

**GORDIAN**<sup>®</sup>

# **Job Order Contract Construction Task Catalog<sup>®</sup>**

CSI Divisions 01-40 August 2024

**DASNY - Dormitory Authority State of New York  
Downstate**





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## About the CTC:

- ☑ This Construction Task Catalog® (CTC) was developed and customized by The Gordian Group, Inc. specifically for **Dormitory Authority State of New York**, priced locally using current labor, material and equipment costs, and published in August 2024.
- ☑ The Gordian Group, Inc. licenses the use of this CTC and other proprietary information and software for the sole purpose of providing Job Order Contracting services to **Dormitory Authority State of New York**. Use of this CTC and other proprietary information and software for any other purpose, or for any other entity, is expressly prohibited without the express written consent of The Gordian Group, Inc.

## MasterFormat™

- ☑ The tasks in this Construction Task Catalog are organized using CSI's *MasterFormat*.



## The Unit Prices Include:

### LABOR COSTS:

- ☑ Labor costs include direct labor through the working foreperson level at straight-time prevailing wage rates including fringe benefits and an allowance for Social Security, Medicare taxes, worker's compensation, unemployment insurance, and employee benefits.
- ☑ Labor costs include unloading equipment, materials, and tools, and transporting the same up or down 2 stories and 125' to reach the project site; layout; measuring and cutting to fit; performing the task;

disposal of excess material; and time for lunch and breaks.

### EQUIPMENT COSTS:

- ☑ Equipment costs include all equipment required to accomplish the task.
- ☑ Mobilization is included for all equipment except large equipment (e.g. cranes, bulldozers, excavators, backhoes, bobcats etc.), which exclude mobilization.
- ☑ Equipment costs include all operating expenses such as fuel, electricity, lubricants, etc.

### MATERIAL COSTS:

- ☑ Material costs include the cost of the material, delivery, and all incidentals and accessories integral to the installation.
- ☑ Material costs include shop drawings prepared by manufacturers, fabricators, contractors or subcontractors.
- ☑ Material costs for roofing, drywall, VCT, carpet, wall covering, ceiling tile, pipe, conduit, concrete, etc. include an allowance for waste. This list is not intended to be all inclusive, but descriptive of the types of construction materials that are typically sold in standard lengths, sizes and weights.
- ☑ Material costs for imported materials (e.g. aggregate, sand, soil, etc.) include delivery up to 15 miles from the closest approved source.

## The Adjustment Factors Include:

The Adjustment Factors include the following costs, unless specifically excluded by the terms of the Contract Documents:

### BUSINESS COSTS:

- ☑ Office overhead, including, but not limited to, office space, office equipment, office and management personnel, office supplies, and employee transportation.

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- Insurance and bonding.
- Profit.
- Job Order development services, Owner meetings, and other administrative services required by the Contract Documents.
- Subcontractor's overhead and profit.
- Cost of financing the work.
- Business risks such as the risk of a lower than expected volume of work, smaller than anticipated Job Orders, poor Subcontractor performance, and inflation or material cost fluctuations.

### PROJECT RELATED COSTS:

- Project trailer, equipment and supplies, and portable toilets for Contractor's use.
- Project management and project supervision.
- Services required to complete project filings and obtain permits.
- Preparation and modification of sketches, drawings, submittals, as-built drawings, and other project records.
- Incidental engineering and architectural services.
- Gang boxes and storage containers for Contractor's tools, equipment and materials.
- Basic safety and warning signage, minor barricades (e.g., construction tape, etc.) and personnel safety equipment (e.g., hard hats, safety harnesses with lifeline or cabling, protective clothing, safety glasses, face shields, etc.).
- Meeting Owner's security requirements.
- All taxes for which a waiver is not available including material sales tax and equipment rental.
- Removing and returning Owner's furniture and furnishings (e.g. chairs, tables, pictures, etc. but excluding modular furniture, furnishings fastened to the wall or floor, safes and other furniture requiring disassembly).
- Sealing windows doors, and other openings with plastic to contain construction dust and debris within the work area, or to protect existing surfaces.

- Working in extreme temperatures (below or above normal) or adverse conditions such as rain, wind, sleet or snow.
- Costs resulting from inadequate supply of building materials, fuel, electricity, or skilled labor.
- Daily clean-up.
- Final professional clean-up.

### PRICE VARIATIONS:

- Contractors may experience direct costs that are different than the unit prices set forth in the Construction Task Catalog. While diligent effort was made to provide accurate, unit prices, it is the Contractor's responsibility to review and analyze the unit prices, and to calculate, prior to bidding, the Adjustment Factors accordingly.

### SUMMARY:

- This list is not exhaustive and is intended to provide general examples of costs to be included in the Contractor's Adjustment Factors.
- The only compensation to be paid to the Contractor for unit price tasks will be:

Unit Price	X	Quantity	X	Adjustment Factor
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- No additional payments of any kind whatsoever will be made.
- All costs in excess of the unit prices, must be included in the Adjustment Factors.

### General Rules:

- Unit prices are for complete and in-place construction and include all labor, equipment and material required to complete the task as described in the CTC.
- If the Contractor uses a crane or other lifting equipment (except a truck mounted boom lift or other equipment as part of the delivery process) to



lift material onto a roof, even if that roof is less than 2 stories, the contractor will be paid for such crane or lifting equipment as a separate task.

- ☑ Unit prices include all fasteners such as anchor bolts, lag bolts, screws, adhesive, wedge anchors, expansion bolts, roofing clips (excluding hurricane clips) required. Fasteners listed separately in the CTC are for use with Owner furnished material and equipment or relocating or reinstalling existing material and equipment.
- ☑ Unit prices exclude more substantial mounting material such as threaded rod or angle iron unless the task description states otherwise.
- ☑ Unit prices for doors and windows, duct work, plumbing fixtures, seamless floors, countertops, roof flashing, pitch pockets, skylights, roof curbs, exterior trim, etc. include sealant and caulking.
- ☑ Unit prices include testing, calibrating, balancing, start-up services and the like required to ensure proper installation, construction and performance of the work (e.g. compaction test for backfill, balancing of heating ventilation and air conditioning, pneumatic or hydrostatic testing, soaping of joints, disinfection and flushing of water lines, etc.). Contractor may be paid for testing, calibrating, balancing, start-up services and the like for Owner supplied materials and equipment, or when working on or tying into existing materials and equipment.
- ☑ For the purpose of calculating the quantity of a task, quantities are calculated on a per project basis. The quantity so determined shall be used for the task and all appropriate modifiers, unless the task states otherwise.
- ☑ Whenever there are alternative tasks that may be selected to complete work, the Contractor shall select the most practical and economical tasks available (e.g. rental of equipment by weeks or months rather than days, or painting by roller or spray rather than brush).

### **DEMOLITION:**

- ☑ Unit prices for demolition include all labor, equipment and material required for the complete removal of the items; clean-up of the area; and transporting the demolished items up or down 2

stories into a truck, dumpster, or to an owner designated area, located within 125' of the project site.

- ☑ Unit prices for demolition exclude costs for hauling (See 01741900), dump fees (See 01741900), dumpsters (See 01741900), and trash chutes (See 01741900).
- ☑ If the item being demolished is attached to another item being removed and can be removed as one item, then that item shall not be priced as a separate demolition task, unless the component alone must be demolished to accomplish the task (e.g. demolition of pipe includes pipe fittings unless the fitting must be demolished separately to accomplish the task; demolition of a wood door includes hinges, hardware, closures, kick plates, etc.).
- ☑ The word "replace" includes removal of the existing item and installation of the new item.
- ☑ The words "remove and relocate" or "remove and reinstall" include removal, cleaning, and installation of the existing item in either the same location or another location.
- ☑ Salvageable materials are the property of the Owner and shall, if directed, be turned over to the Owner.

### **WORKING HEIGHT:**

- ☑ Typical working height for work other than masonry is up to 14' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for work below 14'.
- ☑ Typical working height for masonry work is up to 4' above the finished floor or stationary working surface. The Contractor will not be paid for scaffolding, lifts, or similar equipment for masonry work below 4'.

### **FIELD ENGINEERING:**

- ☑ Surveying tasks shall be used only when the Owner requests the Contractor to perform topographic surveys, property line surveys or to establish horizontal and vertical control points. If the Owner provides horizontal and vertical control points within

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or adjacent to the project site, all other surveying required to complete the work shall be considered construction staking or layout, and the cost thereof is included in the appropriate tasks.

### ASSEMBLIES:

- ☑ Assembly tasks take precedence over individual component tasks.

### RESTRICTED AND CONFINED SPACES:

- ☑ Restricted Working Space is defined as any area with less than 3' vertical or horizontal clearance and includes areas such as crawl spaces, ceiling plenums where the grid is not removed, narrow piping tunnels, and equipment rooms where the space to install the new work is congested as a result of equipment and piping placement that meet these dimensional restrictions. A Restricted Working Space modifier is available for certain mechanical piping and piping accessories tasks and for certain electrical conduit and conduit accessories tasks. Only those tasks with a modifier for Restricted Working Space are eligible for a price adjustment, and then only if the modifier applies to the contemplated tasks. A non pre-priced task will not be allowed because of Restricted Working Space for any CTC task.
- ☑ Confined Working Space is defined according to the OSHA definition 29 CFR 1926.21(b)(6)(i): "Any space having limited means of egress, which is subject to accumulation of toxic or flammable contaminants or has an oxygen deficient atmosphere, including, but not limited to, storage tanks, process vessels, bins, boilers, ventilation and exhaust duct, sewers, underground vaults, tunnels, pipelines and open top spaces more than 4 feet in depth such as pits and tubs." The Contractor shall conform to all OSHA and Owner requirements for working in Confined Working Spaces. Required ventilation and air monitoring equipment tasks shall be priced from the CTC.

### TECHNICAL SPECIFICATIONS:

- ☑ Technical Specifications for tasks shall be interpreted as follows: All labor, material, equipment, spare parts, services, and work required by a Technical Specification shall be considered included in the unit price, unless the task description states otherwise.

### Or Equals:

- ☑ Whenever material, products, or equipment is identified in the CTC, or in the Technical Specifications, by reference to a manufacturer's name, make or model number, the identification is intended to establish a standard. Any material, product, or equipment of another manufacturer may be considered an or-equal provided that, in the opinion of the Owner, the material, product, or equipment so proposed is of equal quality, substance and function to the named item. The Contractor shall not install any proposed material, product, or equipment without the prior written approval of the Owner. The burden of proof, and all costs related thereto, concerning whether the proposed material, product, or equipment is an or-equal, shall be borne by the Contractor.

### Useful Information:

#### UNIT OF MEASURE DEFINITIONS:

**ACR** – Acre, **BAG** – Bag, **BBL** – Barrel, **BCY** - Bank (In-place) Cubic Yards, **BF** - Board Foot, **BOX** - Box (each), **BTU** - British Thermal Unit, **C** - One Hundred, **CCF** - One Hundred Cubic Feet, **CCY** - Compacted Cubic Yards, **CF** - Cubic Foot, **CFM** - Cubic Feet Per Minute, **CI** – Cubic Inch, **CLF** - One Hundred Linear Feet, **CSF** - One Hundred Square Feet, **CSY** - Hundred Square Yards, **CWT** - Hundred Weight, **CY** - Cubic Yard, **CYM** - Cubic Yard Mile, **DAY** – Day, **DRM** - Drum (each), **EA** – Each, **FLR** - Floor (Per Floor), **FT** – Foot,

**GAL** – Gallon, **GSF** - Ground Square Foot, **HR** – Hour, **HWT** - Hundred Carton Weight, **HYR** – Half Year, **IN** – Inch, **JOB** – Job, **LAN** – Lane, **LB** – Pound, **LCY** - Loose (Excavated) Cubic Yards, **LF** - Linear Foot, **LFD** - Linear Feet Per Day, **LIT** – Liter, **LOT** – Lot, **MBF** - One Thousand Board Feet, **MBH** - One Thousand British Thermal Units, **MCF** – One Thousand Cubic Feet, **MF3** - One Thousand Cubic Feet Per Minute, **MGL** – One Thousand Gallons, **MI** – Mile, **MLF** - One Thousand Linear Feet, **MO** – Month, **MSF** - One Thousand Square Feet, **MSY** - One Thousand Square Yards, **MT** – Metric Ton, **MTK** – Metric Ton Kilometer, **M2** – Square Meter, **M3K** – Cubic Meter Kilometer, **NTE** – Note, **OPN** – Opening, **OUT** - Outlet or Output (each), **OZ** – Ounce, **PKG** – Package, **PNT** – Point, **PR** – Pair, **QT** – Quart, **ROL** - Roll (each), **ROM** – Room, **ROW** – Row, **RSR** - Riser (Per Rise), **SEA** – Seat, **SET** – Set, **SF** - Square Foot, **SHT** – Sheet, **SI** - Square Inch, **STP** - Stop (each), **SQ** - Square or One Hundred Square Feet, **SY** - Square Yard, **SYI** – Inches per Square Yard, **TNM** - Tons per Mile, **TON** – Ton, **TRK** – Truck Load, **UI** - United Inch, **UNT** – Unit, **VLf** - Vertical Linear Foot, **WK** – Week, **YD** – Yard, **YR** – Year

(Average)			
Limestone	4380	2690	3220
Riprap Rock (Average)	4500	2610	3150
Granite	4540	2640	3170
Basalt	4950	3020	3640
Clay	3220	2150	3570
Gneiss	4550	2720	3180

**BULK FACTORS FOR DEMOLITION:**

The following bulk factors shall be used to calculate the volume of demolished material to be transported from the project site.

- **Asphalt** = 1.25
- **Concrete** = 1.40

**CONVERSIONS:**

**1 Acre** = 43,560 Square Feet = 4046.8 Square Meters

**1 Board Foot** = 12" x 12" x 1" = 144 Cubic Inches

**1 Centimeter** = 0.3937 Inches = 0.0328 Feet

**1 Cubic Foot** = 0.03704 Cubic Yards = 0.02832 Cubic Meters

**1 Cubic Meter** = 1.3080 Cubic Yards = 35.3147 Cubic Feet

**1 Cubic Yard** = 27 Cubic Feet = 0.7646 Cubic Meters

**1 Foot** = 12 Inches = 0.3048 Meters

**1 Inch** = 2.54 Centimeters = 0.0254 Meters

**1 Kilogram** = 2.2046 Pounds

**1 Kilometer** = 0.6214 Miles = 3280 Feet

**1 Meter** = 100 Centimeters = 3.2808 Feet

**1 Mile** = 5280 Feet = 1.6093 Kilometers

**1 Pound** = 0.4536 Kilograms

**1 Square Foot** = 144 Square Inches = .0929 Square Meters

**MATERIAL WEIGHTS:**

**EARTHEN MATERIAL**

The following engineering values for establishing shrink/swell factors shall be used unless otherwise directed by the Owner.

Material	Material Weight (Lbs Per CY)		
	In-place (Bank)	Loose (Excavated Materials)	Compacted
Earth, Common (Average)	3170	2536	3520
Sand	2880	2590	3240
Earth, Rock Mix. (75% E/ 25% R)	3380	2370	3720
Earth, Rock Mix. (50% E/50% R)	3750	2710	4000
Earth, Rock Mix. (25% E/ 75% R)	4120	3140	3680
Gravel	3280	2730	3570

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**1 Square Meter** = 1.1960 Square Yards = 10.7639 Square Feet

**1 Square Yard** = 9 Square Feet = 0.8361 Square Meters

**1 Ton** = 2000 Pounds = 907.185 Kilograms

**1 Yard** = 3 Feet = 0.9144 Meters

- The industry standard for measuring windows is the United Inch or UI. The UI is determined by adding the width and the height in inches.

## TRADEMARKS

- Gordian JOC Solution, JOC Complete Solution, JOC Complete Solution Plus, PROGEN, eGordian, eziQC, Construction Task Catalog, Catalog of Construction Tasks, DMAP, The Standard for Job Order Contracting and 6 Phase Development and Implementation Process are either registered trademarks or trademarks of The Gordian Group, Inc. The names of actual companies and products mentioned herein may be the trademarks of their respective owners.

Sheet Metal Thickness (inches)				
Gage No.	Steel Sheet	Galvanized Steel Sheet	Stainless Steel Sheet	Aluminum Sheet
10	.135	.138	.141	
11	.120	.123	.125	
12	.105	.108	.109	
13	.090	.093	.094	.072
14	.075	.079	.078	.064
15	.067	.071	.070	.057
16	.060	.064	.063	.051
17	.054	.058	.056	.045
18	.048	.052	.050	.040
19	.042	.046	.044	.036
20	.036	.040	.038	.032
21	.033	.037	.034	.028
22	.030	.034	.031	.025
23	.027	.031	.028	.023
24	.024	.028	.025	.020
25	.021	.025	.022	.018
26	.018	.022	.019	.017

## STANDARD GEOMETRY:

### Circle

- Circumference =  $2 \pi \text{ radius} = \pi \text{ diameter}$
- Area =  $\pi \text{ radius}^2 = \pi (\text{diameter}^2 / 4)$

### Cylinder

- Volume =  $(\pi \text{ radius}^2) \text{height}$
- Surface Area =  $2 \pi \text{ radius}^2 + (2 \pi \text{ radius}) \text{height}$

### Sphere

- Volume =  $(4 \pi \text{ radius}^3) / 3$
- Surface Area =  $4 \pi \text{ radius}^2$

**$\pi = 3.14159$**

### United Inch



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**01 General Requirements**

**01 10 Summary (01)**

**01 11 Summary Of Work (01 10)**

**01 11 13 Work Covered by Contract Documents (01 11)**

Note: For specification publishing. Review specifications for requirements.

01 11 13 00-0001 NTE Work Covered by Contract Documents .....0.00  
Note: For specification publishing. Review specifications for requirements.

**01 20 Price and Payment Procedures (01)**

**01 22 Unit Prices (01 20)**

**01 22 16 Unit Price Payment (01 22)**

**01 22 16 00-0001 Reimbursable Fees (01 22 16)**

Note: Reimbursable fees include but are not limited to permits, special inspections, special insurance, additional warranties, tolls, expedited shipping costs, etc, which are not included in a task or an Adjustment Factor as explained in the Contract or The Construction Task Catalog®.

01 22 16 00-0002 EA Reimbursable Fees .....1.00  
Note: Reimbursable Fees will be paid to the contractor for eligible costs as directed by Owner. Insert the appropriate quantity to adjust the base cost to the actual Reimbursable Fee. If there are multiple Reimbursable Fees, list each one separately and add a comment in the "note" block to identify the Reimbursable Fee (e.g. sidewalk closure, road cut, various permits, extended warranty, expedited shipping costs, etc.). A copy of each receipt, invoice, or proof of payment shall be submitted with the Price Proposal.

**01 22 20 Wage Rates (01 22)**

Note: All Wage Rates, including modifiers, shall always be multiplied by the Day Shift Monday - Friday Adjustment Factor. Include the appropriate modifiers to adjust the Wage Rates for Shift Differential, Time and One Half, and Double Time.

**01 22 20 00-0001 Local Labor/Wage Rates (01 22 20)**

Note: Welders receive the rate prescribed for the craft performing the operation to which the welding is incidental.

01 22 20 00-0002 HR Asbestos Handler .....90.93  
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.  
For Shift Differential, Add 3.02  
For Time And One Half, Add 19.50  
For Double Time, Add 39.00  
For Foreperson, Add 4.55  
For Apprentices, Deduct -18.19

01 22 20 00-0003 HR Boilermaker .....143.07  
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.  
For Shift Differential, Add 5.84  
For Time And One Half, Add 57.78  
For Double Time, Add 115.56  
For Foreperson, Add 7.15  
For Apprentices, Deduct -28.61

01 22 20 00-0004 HR Bricklayer .....135.20  
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.  
For Shift Differential, Add 5.11  
For Time And One Half, Add 29.55  
For Double Time, Add 59.09  
For Foreperson, Add 6.76  
For Apprentices, Deduct -27.04

01 22 20 00-0005 HR Carpenter, Building Commercial .....134.90  
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.  
For Shift Differential, Add 5.27  
For Time And One Half, Add 28.53  
For Double Time, Add 57.05  
For Foreperson, Add 6.75  
For Apprentices, Deduct -26.98

01 22 20 00-0006 HR Carpenter, Heavy Construction Work .....147.78  
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.  
For Shift Differential, Add 5.82  
For Time And One Half, Add 30.30  
For Double Time, Add 60.59  
For Foreperson, Add 7.39  
For Apprentices, Deduct -29.56

01 22 20 00-0007 HR Carpenter, Sidewalk Shed, Scaffold And Hoist .....132.36  
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.  
For Shift Differential, Add 5.20  
For Time And One Half, Add 27.50  
For Double Time, Add 55.00  
For Foreperson, Add 6.62  
For Apprentices, Deduct -26.47

01 22 20 00-0008 HR Carpenter - Wood Water Storage Tank Mechanic .....82.72  
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.  
For Shift Differential, Add 3.16  
For Time And One Half, Add 18.92  
For Double Time, Add 37.83  
For Foreperson, Add 4.14  
For Apprentices, Deduct -16.54

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0009	HR		Carpenter - Wood Water Storage Tank Helper .....70.37 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	2.75	
			<i>For Time And One Half, Add</i>	14.85	
			<i>For Double Time, Add</i>	29.69	
			<i>For Foreperson, Add</i>	3.52	
			<i>For Apprentice, Deduct</i>	-14.07	
01 22 20 00-0010	HR		Cement Mason ..... 126.18 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	4.61	
			<i>For Time And One Half, Add</i>	62.07	
			<i>For Double Time, Add</i>	92.23	
			<i>For Foreperson, Add</i>	6.31	
			<i>For Apprentice, Deduct</i>	-25.24	
01 22 20 00-0011	HR		Dockbuilder - Pile Drivers ..... 144.66 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	5.82	
			<i>For Time And One Half, Add</i>	30.30	
			<i>For Double Time, Add</i>	60.59	
			<i>For Foreperson, Add</i>	7.23	
			<i>For Apprentice, Deduct</i>	-28.93	
01 22 20 00-0012	HR		Driver - Dump Truck ..... 124.08 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	5.17	
			<i>For Time And One Half, Deduct</i>	-11.57	
			<i>For Double Time, Add</i>	19.02	
			<i>For Foreperson, Add</i>	6.20	
			<i>For Apprentice, Deduct</i>	-24.82	
01 22 20 00-0013	HR		Driver - Euclid And Turnapull Operator ..... 127.28 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	5.24	
			<i>For Time And One Half, Deduct</i>	-7.46	
			<i>For Double Time, Add</i>	24.98	
			<i>For Foreperson, Add</i>	6.36	
			<i>For Apprentice, Deduct</i>	-25.46	
01 22 20 00-0014	HR		Driver - Redi-Mix (Sand & Gravel) ..... 114.41 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	4.70	
			<i>For Time And One Half, Deduct</i>	-8.65	
			<i>For Double Time, Add</i>	19.82	
			<i>For Foreperson, Add</i>	5.72	
			<i>For Apprentice, Deduct</i>	-22.88	
01 22 20 00-0015	HR		Driver - Tractor Trailer ..... 126.46 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	5.21	
			<i>For Time And One Half, Deduct</i>	-7.74	
			<i>For Double Time, Add</i>	24.42	
			<i>For Foreperson, Add</i>	6.32	
			<i>For Apprentice, Deduct</i>	-25.29	
01 22 20 00-0016	HR		Electrician ..... 153.04 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	6.40	
			<i>For Time And One Half, Add</i>	34.91	
			<i>For Double Time, Add</i>	65.91	
			<i>For Foreperson, Add</i>	7.65	
			<i>For Apprentice, Deduct</i>	-30.61	
01 22 20 00-0017	HR		Electrician M-Rate ..... 72.08 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Foreperson, Add</i>	3.60	
			<i>For Apprentice, Deduct</i>	-14.42	
			<i>For Shift Differential, Add</i>	2.96	
			<i>For Time And One Half, Add</i>	18.03	
			<i>For Double Time, Add</i>	34.03	
01 22 20 00-0018	HR		Elevator Repair/Maintenance ..... 167.59 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	5.22	
			<i>For Time And One Half, Add</i>	31.58	
			<i>For Double Time, Add</i>	63.16	
			<i>For Foreperson, Add</i>	8.38	
			<i>For Apprentice, Deduct</i>	-33.52	
01 22 20 00-0019	HR		Floor Covering ..... 131.41 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	5.15	
			<i>For Time And One Half, Add</i>	27.53	
			<i>For Double Time, Add</i>	55.05	
			<i>For Foreperson, Add</i>	6.57	
			<i>For Apprentice, Deduct</i>	-26.28	
01 22 20 00-0020	HR		Glazier - Repair And Maintenance ..... 67.19 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	2.77	
			<i>For Time And One Half, Add</i>	13.73	
			<i>For Double Time, Add</i>	27.45	
			<i>For Foreperson, Add</i>	3.36	
			<i>For Apprentice, Deduct</i>	-13.44	
01 22 20 00-0021	HR		Glazier (New Construction, Remodeling, And Alteration) ..... 125.85 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			<i>For Shift Differential, Add</i>	5.24	
			<i>For Time And One Half, Add</i>	24.50	
			<i>For Double Time, Add</i>	49.00	
			<i>For Foreperson, Add</i>	6.29	
			<i>For Apprentice, Deduct</i>	-25.17	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0022 HR Heat And Frost Insulator.....	136.13	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.35	
For Time And One Half, Add	71.54	
For Double Time, Add	107.02	
For Foreperson, Add	6.81	
For Apprentice, Deduct	-27.23	
01 22 20 00-0023 HR Iron Worker - Ornamental.....	176.41	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.67	
For Time And One Half, Add	56.70	
For Double Time, Add	113.40	
For Foreperson, Add	8.82	
For Apprentice, Deduct	-35.28	
01 22 20 00-0024 HR Iron Worker - Structural.....	181.54	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	7.37	
For Time And One Half, Add	73.74	
For Double Time, Add	147.47	
For Foreperson, Add	9.08	
For Apprentice, Deduct	-36.31	
01 22 20 00-0025 HR Laborer.....	122.31	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.95	
For Time And One Half, Add	22.50	
For Double Time, Add	45.00	
01 22 20 00-0026 HR Marble Setter.....	135.89	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.15	
For Time And One Half, Add	51.47	
For Double Time, Add	102.93	
For Foreperson, Add	6.79	
For Apprentice, Deduct	-27.18	
01 22 20 00-0027 HR Mason Tender.....	97.88	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	3.73	
For Time And One Half, Add	20.73	
For Double Time, Add	41.45	
For Foreperson, Add	4.89	
For Apprentice, Deduct	-19.58	
01 22 20 00-0028 HR Mason Tender (Interior Demolition Worker).....	85.80	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	3.23	
For Time And One Half, Add	19.00	
For Double Time, Add	38.00	
For Foreperson, Add	4.29	
For Apprentice, Deduct	-17.16	
01 22 20 00-0029 HR Metallic Lather.....	122.51	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.06	
For Time And One Half, Add	34.98	
For Double Time, Add	78.25	
For Foreperson, Add	6.13	
For Apprentice, Deduct	-24.50	
01 22 20 00-0030 HR Millwright.....	141.52	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.90	
For Time And One Half, Add	29.68	
For Double Time, Add	59.35	
For Foreperson, Add	7.08	
For Apprentice, Deduct	-28.30	
01 22 20 00-0031 HR Mosaic And Terrazzo Mechanic.....	125.21	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.06	
For Time And One Half, Add	26.99	
For Double Time, Add	53.98	
For Foreperson, Add	6.26	
For Apprentice, Deduct	-25.04	
01 22 20 00-0032 HR Operating Engineer - Building Work I.....	140.89	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.52	
For Time And One Half, Add	67.36	
For Double Time, Add	104.12	
For Foreperson, Add	7.04	
For Apprentice, Deduct	-28.18	
01 22 20 00-0033 HR Operating Engineer - Building Work II.....	114.95	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.60	
For Time And One Half, Add	58.19	
For Double Time, Add	85.78	
For Foreperson, Add	5.75	
For Apprentice, Deduct	-22.99	
01 22 20 00-0034 HR Operating Engineer - Building Work III.....	165.98	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	6.41	
For Time And One Half, Add	76.23	
For Double Time, Add	121.86	
For Foreperson, Add	8.30	
For Apprentice, Deduct	-33.20	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0035	HR		Operating Engineer - Building Work IV .....	173.53	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.68	
			For Time And One Half, Add	78.90	
			For Double Time, Add	127.20	
			For Foreperson, Add	8.68	
			For Apprentice, Deduct	-34.71	
01 22 20 00-0036	HR		Operating Engineer - Building Work V .....	152.34	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.93	
			For Time And One Half, Add	71.41	
			For Double Time, Add	112.22	
			For Foreperson, Add	7.62	
			For Apprentice, Deduct	-30.47	
01 22 20 00-0037	HR		Operating Engineer - Building Work VI .....	151.13	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.88	
			For Time And One Half, Add	70.98	
			For Double Time, Add	111.36	
			For Foreperson, Add	7.56	
			For Apprentice, Deduct	-30.23	
01 22 20 00-0038	HR		Operating Engineer - Building Work VII .....	127.89	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.06	
			For Time And One Half, Add	62.77	
			For Double Time, Add	94.93	
			For Foreperson, Add	6.39	
			For Apprentice, Deduct	-25.58	
01 22 20 00-0039	HR		Operating Engineer - Concrete I .....	172.99	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.66	
			For Time And One Half, Add	78.71	
			For Double Time, Add	126.82	
			For Foreperson, Add	8.65	
			For Apprentice, Deduct	-34.60	
01 22 20 00-0040	HR		Operating Engineer - Concrete II .....	118.58	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	4.73	
			For Time And One Half, Add	59.48	
			For Double Time, Add	88.35	
			For Foreperson, Add	5.93	
			For Apprentice, Deduct	-23.72	
01 22 20 00-0041	HR		Operating Engineer - Concrete III .....	146.01	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.70	
			For Time And One Half, Add	69.17	
			For Double Time, Add	107.74	
			For Foreperson, Add	7.30	
			For Apprentice, Deduct	-29.20	
01 22 20 00-0042	HR		Operating Engineer - Paving I .....	164.31	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.35	
			For Time And One Half, Add	75.64	
			For Double Time, Add	120.68	
			For Foreperson, Add	8.22	
			For Apprentice, Deduct	-32.86	
01 22 20 00-0043	HR		Operating Engineer - Paving II .....	161.10	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.24	
			For Time And One Half, Add	74.51	
			For Double Time, Add	118.41	
			For Foreperson, Add	8.06	
			For Apprentice, Deduct	-32.22	
01 22 20 00-0044	HR		Operating Engineer - Paving III .....	142.16	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	5.57	
			For Time And One Half, Add	67.81	
			For Double Time, Add	105.02	
			For Foreperson, Add	7.11	
			For Apprentice, Deduct	-28.43	
01 22 20 00-0045	HR		Operating Engineer - Road & Heavy Construction I .....	168.04	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.48	
			For Time And One Half, Add	76.96	
			For Double Time, Add	123.32	
			For Foreperson, Add	8.40	
			For Apprentice, Deduct	-33.61	
01 22 20 00-0046	HR		Operating Engineer - Road & Heavy Construction II .....	172.63	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.64	
			For Time And One Half, Add	78.58	
			For Double Time, Add	126.56	
			For Foreperson, Add	8.63	
			For Apprentice, Deduct	-34.53	
01 22 20 00-0047	HR		Operating Engineer - Road & Heavy Construction III .....	176.94	
			Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
			For Shift Differential, Add	6.80	
			For Time And One Half, Add	80.11	
			For Double Time, Add	129.61	
			For Foreperson, Add	8.85	
			For Apprentice, Deduct	-35.39	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0048 HR Operating Engineer - Road & Heavy Construction IV ..... 173.59 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 6.68 <i>For Time And One Half, Add</i> 78.92 <i>For Double Time, Add</i> 127.24 <i>For Foreperson, Add</i> 8.68 <i>For Apprentice, Deduct</i> -34.72		
01 22 20 00-0049 HR Operating Engineer - Road & Heavy Construction V ..... 170.93 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 6.58 <i>For Time And One Half, Add</i> 77.98 <i>For Double Time, Add</i> 125.36 <i>For Foreperson, Add</i> 8.55 <i>For Apprentice, Deduct</i> -34.19		
01 22 20 00-0050 HR Operating Engineer - Road & Heavy Construction VI ..... 164.31 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 6.35 <i>For Time And One Half, Add</i> 75.64 <i>For Double Time, Add</i> 120.68 <i>For Foreperson, Add</i> 8.22 <i>For Apprentice, Deduct</i> -32.86		
01 22 20 00-0051 HR Operating Engineer - Road & Heavy Construction VII ..... 140.15 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.50 <i>For Time And One Half, Add</i> 67.10 <i>For Double Time, Add</i> 103.60 <i>For Foreperson, Add</i> 7.01 <i>For Apprentice, Deduct</i> -28.03		
01 22 20 00-0052 HR Operating Engineer - Road & Heavy Construction VIII ..... 117.45 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 4.69 <i>For Time And One Half, Add</i> 59.08 <i>For Double Time, Add</i> 87.55 <i>For Foreperson, Add</i> 5.87 <i>For Apprentice, Deduct</i> -23.49		
01 22 20 00-0053 HR Operating Engineer - Road & Heavy Construction IX ..... 158.18 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 6.13 <i>For Time And One Half, Add</i> 73.48 <i>For Double Time, Add</i> 116.35 <i>For Foreperson, Add</i> 7.91 <i>For Apprentice, Deduct</i> -31.64		
01 22 20 00-0054 HR Operating Engineer - Road & Heavy Construction X ..... 148.52 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.79 <i>For Time And One Half, Add</i> 70.06 <i>For Double Time, Add</i> 109.52 <i>For Foreperson, Add</i> 7.43 <i>For Apprentice, Deduct</i> -29.70		
01 22 20 00-0055 HR Operating Engineer - Road & Heavy Construction XI ..... 123.98 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 4.92 <i>For Time And One Half, Add</i> 61.39 <i>For Double Time, Add</i> 92.17 <i>For Foreperson, Add</i> 6.20 <i>For Apprentice, Deduct</i> -24.80		
01 22 20 00-0056 HR Operating Engineer - Road & Heavy Construction XII ..... 165.65 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 6.40 <i>For Time And One Half, Add</i> 76.12 <i>For Double Time, Add</i> 121.63 <i>For Foreperson, Add</i> 8.28 <i>For Apprentice, Deduct</i> -33.13		
01 22 20 00-0057 HR Operating Engineer - Road & Heavy Construction XIII ..... 161.68 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 6.26 <i>For Time And One Half, Add</i> 74.71 <i>For Double Time, Add</i> 118.82 <i>For Foreperson, Add</i> 8.08 <i>For Apprentice, Deduct</i> -32.34		
01 22 20 00-0058 HR Operating Engineer - Road & Heavy Construction XIV ..... 156.25 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 6.06 <i>For Time And One Half, Add</i> 72.79 <i>For Double Time, Add</i> 114.98 <i>For Foreperson, Add</i> 7.81 <i>For Apprentice, Deduct</i> -31.25		
01 22 20 00-0059 HR Operating Engineer - Road & Heavy Construction XV ..... 117.97 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 4.71 <i>For Time And One Half, Add</i> 59.26 <i>For Double Time, Add</i> 87.92 <i>For Foreperson, Add</i> 5.90 <i>For Apprentice, Deduct</i> -23.59		
01 22 20 00-0060 HR Operating Engineer - Road & Heavy Construction XVI ..... 150.96 Note: For tasks not included in the Construction Task Catalog® and as directed by owner only. <i>For Shift Differential, Add</i> 5.88 <i>For Time And One Half, Add</i> 70.92 <i>For Double Time, Add</i> 111.24 <i>For Foreperson, Add</i> 7.55 <i>For Apprentice, Deduct</i> -30.19		



**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 20 00-0061	HR	Operating Engineer - Road & Heavy Construction XVII.....	151.78	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	5.91	
		For Time And One Half, Add	71.21	
		For Double Time, Add	111.82	
		For Foreperson, Add	7.59	
		For Apprentice, Deduct	-30.36	
01 22 20 00-0062	HR	Operating Engineer - Road & Heavy Construction XVIII.....	201.03	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	7.65	
		For Time And One Half, Add	88.62	
		For Double Time, Add	146.64	
		For Foreperson, Add	10.05	
		For Apprentice, Deduct	-40.21	
01 22 20 00-0063	HR	Operating Engineer - Steel Erection I.....	177.69	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	6.81	
		For Time And One Half, Add	79.92	
		For Double Time, Add	129.99	
		For Foreperson, Add	8.88	
		For Apprentice, Deduct	-35.54	
01 22 20 00-0064	HR	Operating Engineer - Steel Erection II.....	172.20	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	6.62	
		For Time And One Half, Add	77.98	
		For Double Time, Add	126.11	
		For Foreperson, Add	8.61	
		For Apprentice, Deduct	-34.44	
01 22 20 00-0065	HR	Operating Engineer - Steel Erection III.....	115.74	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	4.62	
		For Time And One Half, Add	58.02	
		For Double Time, Add	86.19	
		For Foreperson, Add	5.79	
		For Apprentice, Deduct	-23.15	
01 22 20 00-0066	HR	Operating Engineer - Steel Erection IV.....	111.99	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	4.49	
		For Time And One Half, Add	56.70	
		For Double Time, Add	83.54	
		For Foreperson, Add	5.60	
		For Apprentice, Deduct	-22.40	
01 22 20 00-0067	HR	Painter.....	107.13	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	4.32	
		For Time And One Half, Add	30.10	
		For Double Time, Add	52.10	
		For Foreperson, Add	5.36	
		For Apprentice, Deduct	-21.43	
01 22 20 00-0068	HR	Painter, Structural Steel.....	149.30	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	5.44	
		For Time And One Half, Add	28.00	
		For Double Time, Add	56.00	
		For Foreperson, Add	7.47	
		For Apprentice, Deduct	-29.86	
01 22 20 00-0069	HR	Paperhanger.....	113.72	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	4.56	
		For Time And One Half, Add	45.58	
		For Double Time, Add	91.16	
		For Foreperson, Add	5.69	
		For Apprentice, Deduct	-22.74	
01 22 20 00-0070	HR	Plasterer.....	104.60	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	3.95	
		For Time And One Half, Add	26.50	
		For Double Time, Add	52.99	
		For Foreperson, Add	5.23	
		For Apprentice, Deduct	-20.92	
01 22 20 00-0071	HR	Plumber.....	149.65	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	5.90	
		For Time And One Half, Add	58.98	
		For Double Time, Add	117.95	
		For Foreperson, Add	7.48	
		For Apprentice, Deduct	-29.93	
01 22 20 00-0072	HR	Roofer.....	113.42	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	4.37	
		For Time And One Half, Add	24.25	
		For Double Time, Add	48.50	
		For Foreperson, Add	5.67	
		For Apprentice, Deduct	-22.68	
01 22 20 00-0073	HR	Sheet Metal Worker.....	135.54	
		Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
		For Shift Differential, Add	5.60	
		For Time And One Half, Add	56.02	
		For Double Time, Add	112.03	
		For Foreperson, Add	6.78	
		For Apprentice, Deduct	-27.11	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 20 00-0074 HR Steamfitter .....	149.08	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	6.15	
For Time And One Half, Add	91.30	
For Double Time, Add	122.20	
For Foreperson, Add	7.45	
For Apprentice, Deduct	-29.82	
01 22 20 00-0075 HR Stone Mason - Setter .....	144.90	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.64	
For Time And One Half, Add	28.68	
For Double Time, Add	57.35	
For Foreperson, Add	7.25	
For Apprentice, Deduct	-28.98	
01 22 20 00-0076 HR Taper .....	104.75	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.10	
For Time And One Half, Add	24.24	
For Double Time, Add	48.47	
For Foreperson, Add	5.24	
For Apprentice, Deduct	-20.95	
01 22 20 00-0077 HR Telecommunication Worker .....	89.10	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	3.51	
For Time And One Half, Add	23.52	
For Double Time, Add	47.03	
For Foreperson, Add	4.46	
For Apprentice, Deduct	-17.82	
01 22 20 00-0078 HR Tile Layer - Finisher .....	104.41	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	4.12	
For Time And One Half, Add	24.73	
For Double Time, Add	49.46	
For Foreperson, Add	5.22	
For Apprentice, Deduct	-20.88	
01 22 20 00-0079 HR Tile Layer - Setter .....	129.18	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	5.02	
For Time And One Half, Add	32.20	
For Double Time, Add	64.40	
For Foreperson, Add	6.46	
For Apprentice, Deduct	-25.84	
01 22 20 00-0080 HR Utility Locator .....	49.32	
Note: For tasks not included in the Construction Task Catalog® and as directed by owner only.		
For Shift Differential, Add	1.65	
For Time And One Half, Add	15.78	
For Double Time, Add	31.56	
For Foreperson, Add	2.47	
For Apprentice, Deduct	-9.86	
<b>01 22 20 00-0081 Rates For Services (01 22 20)</b>		
01 22 20 00-0082 HR Watch/Guard Person, Unarmed .....	38.77	
01 22 20 00-0083 HR Watch/Guard Person, Armed .....	56.22	
01 22 20 00-0084 HR Estimator .....	90.00	
01 22 20 00-0085 HR Senior Surveyor (Party Chief) .....	147.52	
01 22 20 00-0086 HR Surveyor (Instrument person) .....	118.95	
01 22 20 00-0087 HR Surveyor (Rod Person) .....	90.01	
01 22 20 00-0088 HR On-Site Certified Materials Testing Technician .....	99.12	
01 22 20 00-0089 HR Certified Industrial Hygienist .....	133.65	
01 22 20 00-0090 HR Firewatch F01, Fireguard F60 .....	25.00	
01 22 20 00-0091 HR Certified Site Safety Manager .....	75.00	
01 22 20 00-0092 HR Certified Site Safety Coordinator .....	50.00	
01 22 20 00-0093 HR Qualified Safety Representative .....	45.00	
01 22 20 00-0094 MI Mileage For Professional Services (Engineering, Surveying, Etcetera) .....	0.67	
Note: For use only when the Owner directs the contractor to use personnel whose base of operations is more than 100 miles from the site. Quantity shall be miles that exceed 100.		
<b>01 22 20 00-0095 Rates For Project Management Services (01 22 20)</b>		
01 22 20 00-0096 HR Project Manager .....	212.50	
<b>01 22 20 00-0097 Rates For Architectural And Engineering Services (01 22 20)</b>		
01 22 20 00-0098 HR Principal Architect .....	270.00	
01 22 20 00-0099 HR Senior Architect .....	212.50	
01 22 20 00-0100 HR Architect .....	162.50	
01 22 20 00-0101 HR Principal Engineer .....	247.50	
01 22 20 00-0102 HR Senior Engineer .....	178.75	
01 22 20 00-0103 HR Engineer .....	142.50	
01 22 20 00-0104 HR Draft Person .....	75.00	
<b>01 22 20 00-0105 Rates For Traffic Control (01 22 20)</b>		
01 22 20 00-0106 HR Flagperson For Traffic Control .....	84.20	
<b>01 22 23 Equipment Usage (01 22)</b>		

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

Note: Includes fuel costs unless otherwise stated. These tasks shall be used for owned, leased or rented equipment. Excludes mobilization unless otherwise stated. See CSI section 01 22 20 00-0105 for traffic control (where required), 01 71 13 00-0000 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0001	<b>Aerial Equipment</b> (01 22 23)	
01 22 23 00-0002	<b>Man Lifts</b> (01 22 23 00-0001)	
	Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-0003	<b>Telescoping Boom Man Lifts With Platform</b> (01 22 23 00-0002)	
01 22 23 00-0004	<b>Engine Powered, Telescoping Boom Man Lifts With Platform</b> (01 22 23 00-0003)	
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.	
01 22 23 00-0005	DAY 40' Engine Powered, Telescoping Boom Man Lift With Platform .....	443.76
	For Four-Wheel Drive, Add .....	99.85
01 22 23 00-0006	WK 40' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,116.57
	For Four-Wheel Drive, Add .....	251.23
01 22 23 00-0007	MO 40' Engine Powered, Telescoping Boom Man Lift With Platform .....	2,505.12
	For Four-Wheel Drive, Add .....	563.65
01 22 23 00-0008	DAY 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	651.33
	For Four-Wheel Drive, Add .....	146.55
01 22 23 00-0009	WK 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,553.18
	For Four-Wheel Drive, Add .....	349.47
01 22 23 00-0010	MO 60' Engine Powered, Telescoping Boom Man Lift With Platform .....	3,399.81
	For Four-Wheel Drive, Add .....	764.96
01 22 23 00-0011	DAY 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,266.88
	For Four-Wheel Drive, Add .....	285.05
01 22 23 00-0012	WK 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	3,070.57
	For Four-Wheel Drive, Add .....	690.88
01 22 23 00-0013	MO 80' Engine Powered, Telescoping Boom Man Lift With Platform .....	6,441.75
	For Four-Wheel Drive, Add .....	1,449.39
01 22 23 00-0014	DAY 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	1,803.69
	For Four-Wheel Drive, Add .....	405.83
01 22 23 00-0015	WK 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	4,343.17
	For Four-Wheel Drive, Add .....	977.21
01 22 23 00-0016	MO 110' Engine Powered, Telescoping Boom Man Lift With Platform .....	10,822.14
	For Four-Wheel Drive, Add .....	2,434.98
01 22 23 00-0017	DAY 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	2,197.35
	For Four-Wheel Drive, Add .....	494.40
01 22 23 00-0018	WK 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	5,604.32
	For Four-Wheel Drive, Add .....	1,260.97
01 22 23 00-0019	MO 120' Engine Powered, Telescoping Boom Man Lift With Platform .....	12,740.35
	For Four-Wheel Drive, Add .....	2,866.58
01 22 23 00-0020	<b>Articulating (Up/Over) Boom Man Lifts With Platform</b> (01 22 23 00-0002)	
01 22 23 00-0021	<b>Engine Powered, Articulating (Up/Over) Boom Man Lifts With Platform</b> (01 22 23 00-0020)	
	Note: Diesel or dual fuel (gasoline or liquid propane gas). Four-wheel drive. For use on unpaved or paved surfaces.	
01 22 23 00-0022	DAY 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	440.03
01 22 23 00-0023	WK 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,104.07
01 22 23 00-0024	MO 34' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,656.17
01 22 23 00-0025	DAY 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	560.04
01 22 23 00-0026	WK 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,224.08
01 22 23 00-0027	MO 45' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	3,038.59
01 22 23 00-0028	DAY 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	720.04
01 22 23 00-0029	WK 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,664.10
01 22 23 00-0030	MO 60' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	3,720.23
01 22 23 00-0031	DAY 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	1,256.08
01 22 23 00-0032	WK 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,960.18
01 22 23 00-0033	MO 80' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	7,198.85
01 22 23 00-0034	DAY 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	2,440.15
01 22 23 00-0035	WK 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	5,760.36
01 22 23 00-0036	MO 125' Engine Powered, Articulating (Up/Over) Boom Man Lift With Platform .....	14,080.88
01 22 23 00-0037	<b>Electric, Articulating (Up/Over) Boom Man Lifts With Platform</b> (01 22 23 00-0020)	
	Note: For use on paved surfaces.	
01 22 23 00-0038	DAY 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	440.03
01 22 23 00-0039	WK 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,104.07
01 22 23 00-0040	MO 30' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,656.17
01 22 23 00-0041	DAY 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	440.03
01 22 23 00-0042	WK 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,104.07
01 22 23 00-0043	MO 35' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,656.17
01 22 23 00-0044	DAY 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	544.03
01 22 23 00-0045	WK 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,176.07
01 22 23 00-0046	MO 40' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,920.18
01 22 23 00-0047	DAY 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	544.03
01 22 23 00-0048	WK 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	1,176.07
01 22 23 00-0049	MO 45' Electric, Articulating (Up/Over) Boom Man Lift With Platform .....	2,920.18
01 22 23 00-0050	<b>Platform Lifts</b> (01 22 23 00-0001)	
	Note: Excludes operator, delivery, set-up, and removal.	
01 22 23 00-0051	<b>Electric, Scissor Platform Lifts</b> (01 22 23 00-0050)	
	Note: For use on paved surfaces.	

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0052	DAY	17' Electric, Scissor Platform Lift .....	187.45	
01 22 23 00-0053	WK	17' Electric, Scissor Platform Lift .....	374.90	
01 22 23 00-0054	MO	17' Electric, Scissor Platform Lift .....	766.84	
01 22 23 00-0055	DAY	20' Electric, Scissor Platform Lift .....	204.49	
01 22 23 00-0056	WK	20' Electric, Scissor Platform Lift .....	408.98	
01 22 23 00-0057	MO	20' Electric, Scissor Platform Lift .....	817.97	
01 22 23 00-0058	DAY	25' Electric, Scissor Platform Lift .....	264.14	
01 22 23 00-0059	WK	25' Electric, Scissor Platform Lift .....	528.27	
01 22 23 00-0060	MO	25' Electric, Scissor Platform Lift .....	1,133.23	
01 22 23 00-0061	DAY	30' Electric, Scissor Platform Lift .....	340.82	
01 22 23 00-0062	WK	30' Electric, Scissor Platform Lift .....	673.12	
01 22 23 00-0063	MO	30' Electric, Scissor Platform Lift .....	1,491.09	
01 22 23 00-0064	DAY	33' Electric, Scissor Platform Lift .....	366.38	
01 22 23 00-0065	WK	33' Electric, Scissor Platform Lift .....	715.72	
01 22 23 00-0066	MO	33' Electric, Scissor Platform Lift .....	1,618.90	
01 22 23 00-0067	DAY	40' Electric, Scissor Platform Lift .....	477.15	
01 22 23 00-0068	WK	40' Electric, Scissor Platform Lift .....	1,184.35	
01 22 23 00-0069	MO	40' Electric, Scissor Platform Lift .....	3,297.43	

**01 22 23 00-0070 Engine Powered, Scissor Platform Lifts (01 22 23 00-0050)**

Note: Diesel or dual fuel (gasoline or liquid propane gas). Two-wheel drive. For use on unpaved or paved surfaces.

01 22 23 00-0071	DAY	25' Engine Powered, Scissor Platform Lift .....	385.02	
		<i>For Four-Wheel Drive, Add</i>	77.00	
01 22 23 00-0072	WK	25' Engine Powered, Scissor Platform Lift .....	752.93	
		<i>For Four-Wheel Drive, Add</i>	150.59	
01 22 23 00-0073	MO	25' Engine Powered, Scissor Platform Lift .....	1,839.54	
		<i>For Four-Wheel Drive, Add</i>	367.91	
01 22 23 00-0074	DAY	33' Engine Powered, Scissor Platform Lift .....	393.58	
		<i>For Four-Wheel Drive, Add</i>	78.72	
01 22 23 00-0075	WK	33' Engine Powered, Scissor Platform Lift .....	898.38	
		<i>For Four-Wheel Drive, Add</i>	179.68	
01 22 23 00-0076	MO	33' Engine Powered, Scissor Platform Lift .....	1,967.88	
		<i>For Four-Wheel Drive, Add</i>	393.58	
01 22 23 00-0077	DAY	40' Engine Powered, Scissor Platform Lift .....	436.36	
		<i>For Four-Wheel Drive, Add</i>	87.27	
01 22 23 00-0078	WK	40' Engine Powered, Scissor Platform Lift .....	1,001.05	
		<i>For Four-Wheel Drive, Add</i>	200.21	
01 22 23 00-0079	MO	40' Engine Powered, Scissor Platform Lift .....	2,224.56	
		<i>For Four-Wheel Drive, Add</i>	444.91	
01 22 23 00-0080	DAY	43' Engine Powered, Scissor Platform Lift .....	462.02	
		<i>For Four-Wheel Drive, Add</i>	92.40	
01 22 23 00-0081	WK	43' Engine Powered, Scissor Platform Lift .....	1,078.06	
		<i>For Four-Wheel Drive, Add</i>	215.61	
01 22 23 00-0082	MO	43' Engine Powered, Scissor Platform Lift .....	2,652.36	
		<i>For Four-Wheel Drive, Add</i>	530.47	
01 22 23 00-0083	DAY	50' Engine Powered, Scissor Platform Lift .....	864.16	
		<i>For Four-Wheel Drive, Add</i>	172.83	
01 22 23 00-0084	WK	50' Engine Powered, Scissor Platform Lift .....	1,899.43	
		<i>For Four-Wheel Drive, Add</i>	379.89	
01 22 23 00-0085	MO	50' Engine Powered, Scissor Platform Lift .....	4,671.58	
		<i>For Four-Wheel Drive, Add</i>	934.32	

**01 22 23 00-0086 Personnel Lifts (01 22 23 00-0001)**

Note: Includes delivery to job site and pick-up when complete. Excludes operator. For use on paved surfaces.

01 22 23 00-0087	DAY	24', Push-Type, Electric Single Man Personnel Lift .....	130.60	
01 22 23 00-0088	WK	24', Push-Type, Electric Single Man Personnel Lift .....	370.03	
01 22 23 00-0089	MO	24', Push-Type, Electric Single Man Personnel Lift .....	747.32	
01 22 23 00-0090	DAY	30', Push-Type, Electric Single Man Personnel Lift .....	181.39	
01 22 23 00-0091	WK	30', Push-Type, Electric Single Man Personnel Lift .....	384.54	
01 22 23 00-0092	MO	30', Push-Type, Electric Single Man Personnel Lift .....	1,305.99	
01 22 23 00-0093	DAY	36', Push-Type, Electric Single Man Personnel Lift .....	304.73	
01 22 23 00-0094	WK	36', Push-Type, Electric Single Man Personnel Lift .....	740.06	
01 22 23 00-0095	MO	36', Push-Type, Electric Single Man Personnel Lift .....	2,162.14	
01 22 23 00-0096	DAY	40', Push-Type, Electric Single Man Personnel Lift .....	326.50	
01 22 23 00-0097	WK	40', Push-Type, Electric Single Man Personnel Lift .....	812.62	
01 22 23 00-0098	MO	40', Push-Type, Electric Single Man Personnel Lift .....	2,445.10	
01 22 23 00-0099	DAY	15', Self-Propelled, Electric Single Man Personnel Lift .....	174.13	
01 22 23 00-0100	WK	15', Self-Propelled, Electric Single Man Personnel Lift .....	348.26	
01 22 23 00-0101	MO	15', Self-Propelled, Electric Single Man Personnel Lift .....	696.53	
01 22 23 00-0102	DAY	20', Self-Propelled, Electric Single Man Personnel Lift .....	174.13	
01 22 23 00-0103	WK	20', Self-Propelled, Electric Single Man Personnel Lift .....	348.26	
01 22 23 00-0104	MO	20', Self-Propelled, Electric Single Man Personnel Lift .....	724.10	

**01 22 23 00-0105 Bucket Trucks (01 22 23 00-0001)**

Note: Includes full-time operator, delivery, and removal.

01 22 23 00-0106	DAY	29' To 33' Bucket Truck With Full-Time Operator .....	1,717.21	
		<i>For Equipment Without Operator, Deduct</i>	-1,018.27	
01 22 23 00-0107	WK	29' To 33' Bucket Truck With Full-Time Operator .....	7,188.16	
		<i>For Equipment Without Operator, Deduct</i>	-5,091.34	
01 22 23 00-0108	MO	29' To 33' Bucket Truck With Full-Time Operator .....	27,399.85	
		<i>For Equipment Without Operator, Deduct</i>	-22,062.49	
01 22 23 00-0109	DAY	38' To 41' Bucket Truck With Full-Time Operator .....	1,806.17	
		<i>For Equipment Without Operator, Deduct</i>	-1,018.27	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0110	WK	38' To 41' Bucket Truck With Full-Time Operator	7,474.09	
		<i>For Equipment Without Operator, Deduct</i>	-5,091.34	
01 22 23 00-0111	MO	38' To 41' Bucket Truck With Full-Time Operator	28,162.33	
		<i>For Equipment Without Operator, Deduct</i>	-22,062.49	
01 22 23 00-0112	DAY	45' To 48' Bucket Truck With Full-Time Operator	2,034.91	
		<i>For Equipment Without Operator, Deduct</i>	-1,018.27	
01 22 23 00-0113	WK	45' To 48' Bucket Truck With Full-Time Operator	7,887.10	
		<i>For Equipment Without Operator, Deduct</i>	-5,091.34	
01 22 23 00-0114	MO	45' To 48' Bucket Truck With Full-Time Operator	29,051.89	
		<i>For Equipment Without Operator, Deduct</i>	-22,062.49	
01 22 23 00-0115	DAY	62' Bucket Truck With Full-Time Operator	2,543.23	
		<i>For Equipment Without Operator, Deduct</i>	-1,018.27	
01 22 23 00-0116	WK	62' Bucket Truck With Full-Time Operator	9,539.14	
		<i>For Equipment Without Operator, Deduct</i>	-5,091.34	
01 22 23 00-0117	MO	62' Bucket Truck With Full-Time Operator	33,499.69	
		<i>For Equipment Without Operator, Deduct</i>	-22,062.49	
01 22 23 00-0118	DAY	85' Bucket Truck With Full-Time Operator	2,797.39	
		<i>For Equipment Without Operator, Deduct</i>	-1,018.27	
01 22 23 00-0119	WK	85' Bucket Truck With Full-Time Operator	10,428.70	
		<i>For Equipment Without Operator, Deduct</i>	-5,091.34	
01 22 23 00-0120	MO	85' Bucket Truck With Full-Time Operator	36,676.69	
		<i>For Equipment Without Operator, Deduct</i>	-22,062.49	
01 22 23 00-0121	Day	105' Bucket Truck With Full-Time Operator	2,924.47	
		<i>For Equipment Without Operator, Deduct</i>	-1,018.27	
01 22 23 00-0122	WK	105' Bucket Truck With Full-Time Operator	10,809.94	
		<i>For Equipment Without Operator, Deduct</i>	-5,091.34	
01 22 23 00-0123	MO	105' Bucket Truck With Full-Time Operator	36,981.68	
		<i>For Equipment Without Operator, Deduct</i>	-22,062.49	

**01 22 23 00-0124 Air Equipment (01 22 23)**

**01 22 23 00-0125 Air Compressors (01 22 23 00-0124)**

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0126	DAY	100 CFM Diesel Powered Portable Air Compressor	149.41	
01 22 23 00-0127	WK	100 CFM Diesel Powered Portable Air Compressor	448.22	
01 22 23 00-0128	MO	100 CFM Diesel Powered Portable Air Compressor	1,245.06	
01 22 23 00-0129	DAY	130 CFM Diesel Powered Portable Air Compressor	179.29	
01 22 23 00-0130	WK	130 CFM Diesel Powered Portable Air Compressor	527.91	
01 22 23 00-0131	MO	130 CFM Diesel Powered Portable Air Compressor	1,494.08	
01 22 23 00-0132	DAY	185 CFM Diesel Powered Portable Air Compressor	239.05	
01 22 23 00-0133	WK	185 CFM Diesel Powered Portable Air Compressor	537.87	
01 22 23 00-0134	MO	185 CFM Diesel Powered Portable Air Compressor	1,185.30	
01 22 23 00-0135	DAY	375 CFM Diesel Powered Portable Air Compressor	338.66	
01 22 23 00-0136	WK	375 CFM Diesel Powered Portable Air Compressor	856.60	
01 22 23 00-0137	MO	375 CFM Diesel Powered Portable Air Compressor	2,041.90	
01 22 23 00-0138	DAY	600 CFM Diesel Powered Portable Air Compressor	753.01	
01 22 23 00-0139	WK	600 CFM Diesel Powered Portable Air Compressor	1,812.81	
01 22 23 00-0140	MO	600 CFM Diesel Powered Portable Air Compressor	4,518.08	
01 22 23 00-0141	DAY	750 CFM Diesel Powered Portable Air Compressor	906.41	
01 22 23 00-0142	WK	750 CFM Diesel Powered Portable Air Compressor	2,231.15	
01 22 23 00-0143	MO	750 CFM Diesel Powered Portable Air Compressor	5,478.22	
01 22 23 00-0144	DAY	825 CFM Diesel Powered Portable Air Compressor	906.41	
01 22 23 00-0145	WK	825 CFM Diesel Powered Portable Air Compressor	2,231.15	
01 22 23 00-0146	MO	825 CFM Diesel Powered Portable Air Compressor	5,478.22	
01 22 23 00-0147	DAY	1,300 CFM Diesel Powered Portable Air Compressor	1,055.81	
01 22 23 00-0148	WK	1,300 CFM Diesel Powered Portable Air Compressor	2,366.61	
01 22 23 00-0149	MO	1,300 CFM Diesel Powered Portable Air Compressor	6,310.97	
01 22 23 00-0150	DAY	1,600 CFM Diesel Powered Portable Air Compressor	1,314.79	
01 22 23 00-0151	WK	1,600 CFM Diesel Powered Portable Air Compressor	2,958.27	
01 22 23 00-0152	MO	1,600 CFM Diesel Powered Portable Air Compressor	7,888.72	

**01 22 23 00-0153 Compaction And Paving Equipment (01 22 23)**

**01 22 23 00-0154 Pavers And Rollers (01 22 23 00-0153)**

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

**01 22 23 00-0155 Pavers (01 22 23 00-0154)**

01 22 23 00-0156	DAY	10' Wide Paving Machine With Full-Time Operator	4,174.71	
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71	
01 22 23 00-0157	WK	10' Wide Paving Machine With Full-Time Operator	17,928.55	
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54	
01 22 23 00-0158	MO	10' Wide Paving Machine With Full-Time Operator	68,715.86	
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69	

**01 22 23 00-0159 Ride-On Self-Propelled, Padfoot Rollers (01 22 23 00-0154)**

01 22 23 00-0160	DAY	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,619.21	
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71	
01 22 23 00-0161	WK	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,228.51	
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54	
01 22 23 00-0162	MO	5 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	29,765.58	
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69	
01 22 23 00-0163	DAY	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	1,867.07	
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71	
01 22 23 00-0164	WK	8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator	7,730.14	
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0165	MO		8 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	31,347.19 -26,643.69	
01 22 23 00-0166	DAY		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,926.09 -1,229.71	
01 22 23 00-0167	WK		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,101.94 -6,148.54	
01 22 23 00-0168	MO		10 To 12 Ton, Single Padfoot Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	32,385.85 -26,643.69	

**01 22 23 00-0169 Static Rollers** (01 22 23 00-0154)

01 22 23 00-0170	DAY		5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,648.72 -1,229.71	
01 22 23 00-0171	WK		5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,482.28 -6,148.54	
01 22 23 00-0172	MO		5 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	30,597.69 -26,643.69	
01 22 23 00-0173	DAY		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,778.55 -1,229.71	
01 22 23 00-0174	WK		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,836.37 -6,148.54	
01 22 23 00-0175	MO		8 To 10 Ton, 2 Drum Articulated Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	31,577.34 -26,643.69	

**01 22 23 00-0176 Ride-On Self-Propelled, Smooth Drum Vibratory Rollers** (01 22 23 00-0154)

01 22 23 00-0177	DAY		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,607.41 -1,229.71	
01 22 23 00-0178	WK		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,263.92 -6,148.54	
01 22 23 00-0179	MO		5 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	29,594.44 -26,643.69	
01 22 23 00-0180	DAY		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,684.13 -1,229.71	
01 22 23 00-0181	WK		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,488.18 -6,148.54	
01 22 23 00-0182	MO		8 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	30,178.69 -26,643.69	
01 22 23 00-0183	DAY		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,837.56 -1,229.71	
01 22 23 00-0184	WK		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,936.69 -6,148.54	
01 22 23 00-0185	MO		11 To 12 Ton, Single Smooth Drum, Ride-On Self-Propelled Vibratory Roller With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	31,364.89 -26,643.69	

**01 22 23 00-0186 Steel Roadway Plates** (01 22 23 00-0153)

Note: 3 day minimum. Excludes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0187 for for placement (set-up) from truck and removal from ground (load on truck), 01 71 13 00-0001 for material delivery on truck.

01 22 23 00-0187	EA		Placement And Removal Of Steel Roadway Plates.....	72.19	
01 22 23 00-0188	DAY		1" x 4' x 8' Steel Plate .....	44.12	
01 22 23 00-0189	WK		1" x 4' x 8' Steel Plate .....	104.18	
01 22 23 00-0190	MO		1" x 4' x 8' Steel Plate .....	137.10	
01 22 23 00-0191	DAY		1" x 4' x 10' Steel Plate .....	58.83	
01 22 23 00-0192	WK		1" x 4' x 10' Steel Plate .....	132.36	
01 22 23 00-0193	MO		1" x 4' x 10' Steel Plate .....	161.78	
01 22 23 00-0194	DAY		1" x 5' x 10' Steel Plate .....	61.28	
01 22 23 00-0195	WK		1" x 5' x 10' Steel Plate .....	138.49	
01 22 23 00-0196	MO		1" x 5' x 10' Steel Plate .....	367.68	
01 22 23 00-0197	DAY		1" x 6' x 8' Steel Plate .....	39.22	
01 22 23 00-0198	WK		1" x 6' x 8' Steel Plate .....	88.24	
01 22 23 00-0199	MO		1" x 6' x 8' Steel Plate .....	235.32	
01 22 23 00-0200	DAY		1" x 6' x 10' Steel Plate .....	73.54	
01 22 23 00-0201	WK		1" x 6' x 10' Steel Plate .....	96.82	
01 22 23 00-0202	MO		1" x 6' x 10' Steel Plate .....	258.60	
01 22 23 00-0203	DAY		1" x 6' x 12' Steel Plate .....	102.95	
01 22 23 00-0204	WK		1" x 6' x 12' Steel Plate .....	131.75	
01 22 23 00-0205	MO		1" x 6' x 12' Steel Plate .....	356.65	
01 22 23 00-0206	DAY		1" x 8' x 10' Steel Plate .....	64.96	
01 22 23 00-0207	WK		1" x 8' x 10' Steel Plate .....	145.85	
01 22 23 00-0208	MO		1" x 8' x 10' Steel Plate .....	388.52	
01 22 23 00-0209	DAY		1" x 8' x 12' Steel Plate .....	117.66	
01 22 23 00-0210	WK		1" x 8' x 12' Steel Plate .....	145.85	
01 22 23 00-0211	MO		1" x 8' x 12' Steel Plate .....	705.95	
01 22 23 00-0212	DAY		1" x 8' x 16' Steel Plate .....	156.88	
01 22 23 00-0213	WK		1" x 8' x 16' Steel Plate .....	352.97	
01 22 23 00-0214	MO		1" x 8' x 16' Steel Plate .....	941.26	
01 22 23 00-0215	LF		Cold Mix For Temporary Ramp Base, 6" At Edge Of Trench Plate .....	3.11	1.50
01 22 23 00-0216	EA		Removal And Resetting Of Steel Roadway Plate .....	40.10	

**01 22 23 00-0217 Earthmoving Equipment** (01 22 23)

**01 22 23 00-0218 Skid-Steer Loaders** (01 22 23 00-0217)

Note: Includes full-time operator and combination bucket and dozer blade attachments. Add extra attachments where necessary. Excludes delivery, set-up, and removal.

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0219 DAY 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,538.99 -1,183.88	
01 22 23 00-0220 WK 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	6,851.01 -5,919.41	
01 22 23 00-0221 MO 700 LB Capacity, 36" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	27,894.35 -25,650.79	
01 22 23 00-0222 DAY 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,632.59 -1,183.88	
01 22 23 00-0223 WK 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,020.39 -5,919.41	
01 22 23 00-0224 MO 1,500 To 1,700 LB Capacity, 60" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	28,265.80 -25,650.79	
01 22 23 00-0225 DAY 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,659.34 -1,183.88	
01 22 23 00-0226 WK 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,264.06 -5,919.41	
01 22 23 00-0227 MO 2,000 To 2,400 LB Capacity, 72" Wide, Skid-Steer Loader With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	28,912.12 -25,650.79	
01 22 23 00-0228 DAY Hydraulic Hammer Attachment For Skid-Steer Loaders .....	297.16	
01 22 23 00-0229 WK Hydraulic Hammer Attachment For Skid-Steer Loaders .....	988.06	
01 22 23 00-0230 MO Hydraulic Hammer Attachment For Skid-Steer Loaders .....	2,629.87	
01 22 23 00-0231 DAY Forklift Attachment For Skid-Steer Loaders .....	63.89	
01 22 23 00-0232 WK Forklift Attachment For Skid-Steer Loaders .....	170.87	
01 22 23 00-0233 MO Forklift Attachment For Skid-Steer Loaders .....	482.88	
01 22 23 00-0234 DAY Backhoe Attachment For Skid-Steer Loaders.....	141.15	
01 22 23 00-0235 WK Backhoe Attachment For Skid-Steer Loaders.....	338.76	
01 22 23 00-0236 MO Backhoe Attachment For Skid-Steer Loaders.....	842.45	
01 22 23 00-0237 DAY Broom Attachment For Skid-Steer Loaders.....	139.67	
01 22 23 00-0238 WK Broom Attachment For Skid-Steer Loaders.....	378.88	
01 22 23 00-0239 MO Broom Attachment For Skid-Steer Loaders.....	1,002.92	
01 22 23 00-0240 DAY Concrete Pump Attachment For Skid-Steer Loaders.....	297.16	
01 22 23 00-0241 WK Concrete Pump Attachment For Skid-Steer Loaders.....	988.06	
01 22 23 00-0242 MO Concrete Pump Attachment For Skid-Steer Loaders.....	2,629.87	
01 22 23 00-0243 DAY Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	121.84	
01 22 23 00-0244 WK Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	335.79	
01 22 23 00-0245 MO Auger Attachment (Excludes Bits And Extensions) For Skid-Steer Loaders.....	916.74	
01 22 23 00-0246 DAY Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	33.58	
01 22 23 00-0247 WK Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	87.86	
01 22 23 00-0248 MO Up To 18" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	258.40	
01 22 23 00-0249 DAY >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	45.21	
01 22 23 00-0250 WK >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	112.40	
01 22 23 00-0251 MO >18" To 48" Diameter, 4' Length, Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	335.92	
01 22 23 00-0252 DAY Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger) .....	65.88	
01 22 23 00-0253 WK Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	200.27	
01 22 23 00-0254 MO Up To 24" Diameter, 4' Length, Rock Tip Auger Bit For Skid-Steer Mounted Augers (Excludes Auger).....	594.32	
01 22 23 00-0255 DAY 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	13.37	
01 22 23 00-0256 WK 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	31.20	
01 22 23 00-0257 MO 2' Length, Auger Bit Extension For Skid-Steer Mounted Augers (Excludes Auger).....	83.20	
<b>01 22 23 00-0258 Bulldozers</b> <small>(01 22 23 00-0217)</small> Note: Includes full-time operator. Excludes delivery, set-up, and removal.		
01 22 23 00-0259 DAY 70 HP, D3 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,687.68 -1,229.71	
01 22 23 00-0260 WK 70 HP, D3 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,954.51 -6,148.54	
01 22 23 00-0261 MO 70 HP, D3 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	32,001.11 -26,643.69	
01 22 23 00-0262 DAY 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	1,903.71 -1,229.71	
01 22 23 00-0263 WK 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	8,827.25 -6,148.54	
01 22 23 00-0264 MO 90 To 105 HP, D4 Or D5 Bulldozer With Full-Time Operator..... <i>For Equipment Without Operator, Deduct</i>	34,679.82 -26,643.69	
01 22 23 00-0265 DAY 140 HP, D6 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,517.22 -1,229.71	
01 22 23 00-0266 WK 140 HP, D6 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	11,281.29 -6,148.54	
01 22 23 00-0267 MO 140 HP, D6 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	42,024.67 -26,643.69	
01 22 23 00-0268 DAY 200 HP, D7 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,061.60 -1,229.71	
01 22 23 00-0269 WK 200 HP, D7 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	13,467.47 -6,148.54	
01 22 23 00-0270 MO 200 HP, D7 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	48,591.83 -26,643.69	
01 22 23 00-0271 DAY 335 HP, D8 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,709.68 -1,229.71	
01 22 23 00-0272 WK 335 HP, D8 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	16,059.77 -6,148.54	
01 22 23 00-0273 MO 335 HP, D8 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	56,368.73 -26,643.69	
01 22 23 00-0274 DAY 460 HP, D9 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	4,072.60 -1,229.71	
01 22 23 00-0275 WK 460 HP, D9 Bulldozer With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	17,502.81 -6,148.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0276	MO		460 HP, D9 Bulldozer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	60,689.23 -26,643.69	
<b>01 22 23 00-0277 Hydraulic Excavators</b> <small>(01 22 23 00-0217)</small>					
Note: Includes full-time operator. Excludes delivery, set-up, and removal.					
01 22 23 00-0278	DAY		3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,599.37 -1,229.71	
01 22 23 00-0279	WK		3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,456.03 -6,148.54	
01 22 23 00-0280	MO		3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	31,024.81 -26,643.69	
01 22 23 00-0281	DAY		1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,703.42 -1,229.71	
01 22 23 00-0282	WK		1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,914.68 -6,148.54	
01 22 23 00-0283	MO		1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	32,859.40 -26,643.69	
01 22 23 00-0284	DAY		5/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,736.28 -1,229.71	
01 22 23 00-0285	WK		5/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,085.82 -6,148.54	
01 22 23 00-0286	MO		5/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,160.61 -26,643.69	
01 22 23 00-0287	DAY		3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,770.50 -1,229.71	
01 22 23 00-0288	WK		3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,243.26 -6,148.54	
01 22 23 00-0289	MO		3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,461.81 -26,643.69	
01 22 23 00-0290	DAY		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,797.89 -1,229.71	
01 22 23 00-0291	WK		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	8,407.56 -6,148.54	
01 22 23 00-0292	MO		7/8 To 1 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	33,763.01 -26,643.69	
01 22 23 00-0293	DAY		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,167.54 -1,229.71	
01 22 23 00-0294	WK		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	9,879.34 -6,148.54	
01 22 23 00-0295	MO		1-1/8 To 1-1/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	37,836.08 -26,643.69	
01 22 23 00-0296	DAY		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,222.31 -1,229.71	
01 22 23 00-0297	WK		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,118.93 -6,148.54	
01 22 23 00-0298	MO		1-3/8 To 1-1/2 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	38,554.86 -26,643.69	
01 22 23 00-0299	DAY		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,324.99 -1,229.71	
01 22 23 00-0300	WK		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,529.66 -6,148.54	
01 22 23 00-0301	MO		1-5/8 To 1-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	39,787.05 -26,643.69	
01 22 23 00-0302	DAY		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,441.36 -1,229.71	
01 22 23 00-0303	WK		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	10,988.31 -6,148.54	
01 22 23 00-0304	MO		2 To 2-3/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	41,156.15 -26,643.69	
01 22 23 00-0305	DAY		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,475.59 -1,229.71	
01 22 23 00-0306	WK		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	11,125.22 -6,148.54	
01 22 23 00-0307	MO		2-1/2 To 2-7/8 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	41,566.88 -26,643.69	
01 22 23 00-0308	DAY		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	2,804.17 -1,229.71	
01 22 23 00-0309	WK		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	12,446.40 -6,148.54	
01 22 23 00-0310	MO		3 To 3-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	45,537.27 -26,643.69	
01 22 23 00-0311	DAY		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	3,276.51 -1,229.71	
01 22 23 00-0312	WK		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	14,322.07 -6,148.54	
01 22 23 00-0313	MO		4 To 5-3/4 CY Hydraulic Excavator With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	51,150.58 -26,643.69	
01 22 23 00-0314	DAY		Thumbs Or Grapple Attachment For Hydraulic Excavators	95.84	
01 22 23 00-0315	WK		Thumbs Or Grapple Attachment For Hydraulic Excavators	369.66	
01 22 23 00-0316	MO		Thumbs Or Grapple Attachment For Hydraulic Excavators	1,095.28	
01 22 23 00-0317	DAY		1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	424.42	
01 22 23 00-0318	WK		1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,122.66	
01 22 23 00-0319	MO		1,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	3,142.08	
01 22 23 00-0320	DAY		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	657.17	
01 22 23 00-0321	WK		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	1,677.15	
01 22 23 00-0322	MO		1,500 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	4,360.58	
01 22 23 00-0323	DAY		3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	917.30	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0324	WK	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	2,471.23
01 22 23 00-0325	MO	3,000 Ft-Lb Hydraulic Hammer Attachment For Hydraulic Excavators	6,927.65
01 22 23 00-0326	DAY	24" Compaction Wheel Attachment For Hydraulic Excavators	191.67
01 22 23 00-0327	WK	24" Compaction Wheel Attachment For Hydraulic Excavators	766.70
01 22 23 00-0328	MO	24" Compaction Wheel Attachment For Hydraulic Excavators	2,300.09
01 22 23 00-0329	DAY	36" Compaction Wheel Attachment For Hydraulic Excavators	273.82
01 22 23 00-0330	WK	36" Compaction Wheel Attachment For Hydraulic Excavators	1,095.28
01 22 23 00-0331	MO	36" Compaction Wheel Attachment For Hydraulic Excavators	3,285.84
01 22 23 00-0332	DAY	48" Compaction Wheel Attachment For Hydraulic Excavators	301.20
01 22 23 00-0333	WK	48" Compaction Wheel Attachment For Hydraulic Excavators	1,191.12
01 22 23 00-0334	MO	48" Compaction Wheel Attachment For Hydraulic Excavators	3,559.66

**01 22 23 00-0335 Loader-Backhoes With Standard Bucket** (01 22 23 00-0217)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0336	DAY	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	1,636.52
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0337	WK	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	7,114.72
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0338	MO	1/2 To 5/8 CY, 65 HP, Loader-Backhoe With Standard Bucket And Full-Time Operator	28,917.48
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69
01 22 23 00-0339	DAY	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	1,680.11
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0340	WK	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	7,267.27
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0341	MO	1 CY, 24" Bucket, 14'-4" Deep, 75 HP, Loader-Backhoe With Full-Time Operator	29,847.33
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69
01 22 23 00-0342	DAY	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	1,747.31
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0343	WK	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	7,434.36
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0344	MO	1-1/2 CY, 24" Bucket, 16'-6" Deep, 90 HP, Loader-Backhoe With Full-Time Operator	30,326.79
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69
01 22 23 00-0345	DAY	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	2,046.97
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0346	WK	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	8,327.89
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0347	MO	1-3/4 CY, 30" Bucket, 18'-0" Deep, 112 HP, Loader-Backhoe With Full-Time Operator	32,883.90
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69

**01 22 23 00-0348 Heavy Duty Construction Loaders** (01 22 23 00-0217)

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0349	DAY	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	1,737.43
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0350	WK	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	8,155.97
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0351	MO	2-1/2 CY, 119 HP, Heavy Duty Construction Loader With Full-Time Operator	32,658.16
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69
01 22 23 00-0352	DAY	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	2,159.22
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0353	WK	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	8,616.82
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0354	MO	3 CY, 135 HP, Heavy Duty Construction Loader With Full-Time Operator	32,892.49
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69
01 22 23 00-0355	DAY	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	2,252.95
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0356	WK	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	8,866.77
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0357	MO	3-1/2 CY, 198 HP, Heavy Duty Construction Loader With Full-Time Operator	33,517.37
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69
01 22 23 00-0358	DAY	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	2,510.71
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0359	WK	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	9,546.32
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0360	MO	4-1/2 CY, 215 HP, Heavy Duty Construction Loader With Full-Time Operator	35,235.79
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69
01 22 23 00-0361	DAY	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	3,174.65
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0362	WK	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	13,912.67
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0363	MO	7-1/3 CY, 330 HP, Heavy Duty Construction Loader With Full-Time Operator	49,920.47
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69
01 22 23 00-0364	DAY	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	7,548.73
		<i>For Equipment Without Operator, Deduct</i>	-1,229.71
01 22 23 00-0365	WK	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	26,667.82
		<i>For Equipment Without Operator, Deduct</i>	-6,148.54
01 22 23 00-0366	MO	13-1/2 CY, 690 HP, Heavy Duty Construction Loader With Full-Time Operator	82,564.28
		<i>For Equipment Without Operator, Deduct</i>	-26,643.69

**01 22 23 00-0367 Shoring** (01 22 23 00-0217)

Note: Includes delivery to job site and pick-up when complete.

**01 22 23 00-0368 Aluminum Hydraulic Shoring** (01 22 23 00-0367)

Note: Includes delivery to job site and pick-up when complete. Excludes sheeting.

01 22 23 00-0369	WK	2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring	120.17
		Note: Up to 88" spread width.	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0370	MO		2' Rails, 1 Cylinder, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	354.46	
01 22 23 00-0371	WK		Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	161.21	
01 22 23 00-0372	MO		Up To 12' Rails, 2 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	475.49	
01 22 23 00-0373	WK		Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	298.93	
01 22 23 00-0374	MO		Up To 16' Rails, 3 Cylinders, Aluminum Hydraulic Shoring ..... Note: Up to 88" spread width.	881.83	
01 22 23 00-0375	EA		Set-up And Removal Of 1 Cylinder Aluminum Hydraulic Shores.....	38.53	
01 22 23 00-0376	EA		Set-up And Removal Of 2 Cylinders Aluminum Hydraulic Shores.....	61.65	
01 22 23 00-0377	EA		Set-up And Removal Of 3 Cylinders Aluminum Hydraulic Shores.....	102.73	

**01 22 23 00-0378**

**Trench Boxes/Trench Shields (01 22 23 00-0217)**

Note: Trenching tasks include moving the trench box in excavation as trenching proceeds. Includes delivery to job site and pick-up when complete. For stackable units, combine multiple units for depth required.

01 22 23 00-0379	WK		4' x 6' Trench Box With Up To 48" Spreaders.....	256.08	
01 22 23 00-0380	MO		4' x 6' Trench Box With Up To 48" Spreaders.....	768.23	
01 22 23 00-0381	WK		6' x 6' Trench Box With Up To 48" Spreaders.....	289.12	
01 22 23 00-0382	MO		6' x 6' Trench Box With Up To 48" Spreaders.....	867.35	
01 22 23 00-0383	WK		8' x 6' Trench Box With Up To 48" Spreaders.....	305.64	
01 22 23 00-0384	MO		8' x 6' Trench Box With Up To 48" Spreaders.....	916.92	
01 22 23 00-0385	WK		4' x 8' Trench Box With Up To 48" Spreaders.....	280.86	
01 22 23 00-0386	MO		4' x 8' Trench Box With Up To 48" Spreaders.....	842.57	
01 22 23 00-0387	WK		6' x 8' Trench Box With Up To 48" Spreaders.....	330.42	
01 22 23 00-0388	MO		6' x 8' Trench Box With Up To 48" Spreaders.....	991.26	
01 22 23 00-0389	WK		8' x 8' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23 00-0390	MO		8' x 8' Trench Box With Up To 48" Spreaders.....	1,115.17	
01 22 23 00-0391	WK		4' x 10' Trench Box With Up To 48" Spreaders.....	313.90	
01 22 23 00-0392	MO		4' x 10' Trench Box With Up To 48" Spreaders.....	941.70	
01 22 23 00-0393	WK		6' x 10' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23 00-0394	MO		6' x 10' Trench Box With Up To 48" Spreaders.....	1,115.17	
01 22 23 00-0395	WK		8' x 10' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23 00-0396	MO		8' x 10' Trench Box With Up To 48" Spreaders.....	1,354.72	
01 22 23 00-0397	WK		4' x 12' Trench Box With Up To 48" Spreaders.....	371.72	
01 22 23 00-0398	MO		4' x 12' Trench Box With Up To 48" Spreaders.....	1,115.17	
01 22 23 00-0399	WK		6' x 12' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23 00-0400	MO		6' x 12' Trench Box With Up To 48" Spreaders.....	1,362.98	
01 22 23 00-0401	WK		8' x 12' Trench Box With Up To 48" Spreaders.....	578.24	
01 22 23 00-0402	MO		8' x 12' Trench Box With Up To 48" Spreaders.....	1,734.70	
01 22 23 00-0403	WK		4' x 14' Trench Box With Up To 48" Spreaders.....	413.02	
01 22 23 00-0404	MO		4' x 14' Trench Box With Up To 48" Spreaders.....	1,239.08	
01 22 23 00-0405	WK		6' x 14' Trench Box With Up To 48" Spreaders.....	536.93	
01 22 23 00-0406	MO		6' x 14' Trench Box With Up To 48" Spreaders.....	1,610.80	
01 22 23 00-0407	WK		8' x 14' Trench Box With Up To 48" Spreaders.....	660.84	
01 22 23 00-0408	MO		8' x 14' Trench Box With Up To 48" Spreaders.....	1,982.52	
01 22 23 00-0409	WK		4' x 16' Trench Box With Up To 48" Spreaders.....	454.33	
01 22 23 00-0410	MO		4' x 16' Trench Box With Up To 48" Spreaders.....	1,362.98	
01 22 23 00-0411	WK		6' x 16' Trench Box With Up To 48" Spreaders.....	619.54	
01 22 23 00-0412	MO		6' x 16' Trench Box With Up To 48" Spreaders.....	1,858.61	
01 22 23 00-0413	WK		8' x 16' Trench Box With Up To 48" Spreaders.....	743.44	
01 22 23 00-0414	MO		8' x 16' Trench Box With Up To 48" Spreaders.....	2,230.34	
01 22 23 00-0415	WK		4' x 20' Trench Box With Up To 48" Spreaders.....	536.93	
01 22 23 00-0416	MO		4' x 20' Trench Box With Up To 48" Spreaders.....	1,610.80	
01 22 23 00-0417	WK		6' x 20' Trench Box With Up To 48" Spreaders.....	743.44	
01 22 23 00-0418	MO		6' x 20' Trench Box With Up To 48" Spreaders.....	2,230.34	
01 22 23 00-0419	WK		8' x 20' Trench Box With Up To 48" Spreaders.....	867.35	
01 22 23 00-0420	MO		8' x 20' Trench Box With Up To 48" Spreaders.....	2,602.06	
01 22 23 00-0421	WK		4' x 24' Trench Box With Up To 48" Spreaders.....	743.44	
01 22 23 00-0422	MO		4' x 24' Trench Box With Up To 48" Spreaders.....	2,230.34	
01 22 23 00-0423	WK		6' x 24' Trench Box With Up To 48" Spreaders.....	908.66	
01 22 23 00-0424	MO		6' x 24' Trench Box With Up To 48" Spreaders.....	2,725.96	
01 22 23 00-0425	WK		8' x 24' Trench Box With Up To 48" Spreaders.....	991.26	
01 22 23 00-0426	MO		8' x 24' Trench Box With Up To 48" Spreaders.....	2,973.78	
01 22 23 00-0427	WK		For Spreaders >48" To 84", Add.....	24.78	
01 22 23 00-0428	MO		For Spreaders >48" To 84", Add.....	74.34	
01 22 23 00-0429	WK		For Spreaders >84" To 120", Add.....	148.69	
01 22 23 00-0430	MO		For Spreaders >84" To 120", Add.....	446.07	
01 22 23 00-0431	WK		For Spreaders >120", Add.....	313.90	
01 22 23 00-0432	MO		For Spreaders >120", Add.....	941.70	
01 22 23 00-0433	WK		8' x 4' Manhole Box.....	390.31	
01 22 23 00-0434	MO		8' x 4' Manhole Box.....	1,170.93	
01 22 23 00-0435	WK		8' x 8' Manhole Box.....	557.58	
01 22 23 00-0436	MO		8' x 8' Manhole Box.....	1,672.75	

**01 22 23 00-0437**

**Trenchers (01 22 23 00-0217)**

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0438	DAY		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,566.01 -1,183.88	
01 22 23 00-0439	WK		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	7,221.03 -5,919.41	
01 22 23 00-0440	MO		4' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	29,233.24 -25,650.79	



**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0441	DAY	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	2,210.85	
		<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
01 22 23 00-0442	WK	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	9,394.39	
		<i>For Equipment Without Operator, Deduct</i>	-5,919.47	
01 22 23 00-0443	MO	5' Maximum Trench Depth, Ride-On Trencher With Full-Time Operator	35,203.99	
		<i>For Equipment Without Operator, Deduct</i>	-25,650.79	

**01 22 23 00-0444 Heavy Equipment (Ground Protection) Mats** (01 22 23 00-0217)

Note: Rental price per mat. Excludes placement, moving, mobilization and demobilization. See CSI section 01 22 23 00-0217 for equipment for offloading/reloading from delivery vehicle, placing, and moving mats, 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

01 22 23 00-0445	Day	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	20.03	
01 22 23 00-0446	WK	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	47.13	
01 22 23 00-0447	MO	16' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	100.15	
01 22 23 00-0448	Day	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	22.39	
01 22 23 00-0449	WK	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	53.02	
01 22 23 00-0450	MO	18' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	111.93	
01 22 23 00-0451	Day	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	24.74	
01 22 23 00-0452	WK	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	58.91	
01 22 23 00-0453	MO	20' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	123.71	
01 22 23 00-0454	Day	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	27.10	
01 22 23 00-0455	WK	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	64.52	
01 22 23 00-0456	MO	24' Width x 4' Length, 8" Thick Hardwood Timbers, Dragline/Excavator Mat	135.49	
01 22 23 00-0457	Day	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	21.21	
01 22 23 00-0458	WK	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	58.91	
01 22 23 00-0459	MO	12' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	106.04	
01 22 23 00-0460	Day	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	24.74	
01 22 23 00-0461	WK	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	58.91	
01 22 23 00-0462	MO	16' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	123.71	
01 22 23 00-0463	Day	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	29.46	
01 22 23 00-0464	WK	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	64.80	
01 22 23 00-0465	MO	20' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	147.28	
01 22 23 00-0466	Day	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	31.81	
01 22 23 00-0467	WK	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	75.74	
01 22 23 00-0468	MO	24' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	159.06	
01 22 23 00-0469	Day	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	34.17	
01 22 23 00-0470	WK	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	81.35	
01 22 23 00-0471	MO	28' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	170.84	
01 22 23 00-0472	Day	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	35.35	
01 22 23 00-0473	WK	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	84.16	
01 22 23 00-0474	MO	30' Width x 4' Length, 12" Thick Hardwood Timbers, Crane Mat	176.73	
01 22 23 00-0475	Day	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	11.33	
01 22 23 00-0476	WK	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	28.34	
01 22 23 00-0477	MO	14' Width x 8' Length, 2-3/4" Thick, Laminated Heavy Equipment Mat (Emtek™)	85.01	
01 22 23 00-0478	Day	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	13.55	
01 22 23 00-0479	WK	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	33.87	
01 22 23 00-0480	MO	14' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	101.62	
01 22 23 00-0481	Day	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	15.47	
01 22 23 00-0482	WK	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	38.68	
01 22 23 00-0483	MO	16' Width x 8' Length, 3-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	116.05	
01 22 23 00-0484	Day	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.49	
01 22 23 00-0485	WK	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.24	
01 22 23 00-0486	MO	14' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	123.71	
01 22 23 00-0487	Day	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	18.85	
01 22 23 00-0488	WK	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	47.13	
01 22 23 00-0489	MO	16' Width x 8' Length, 4-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	141.38	
01 22 23 00-0490	Day	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	21.66	
01 22 23 00-0491	WK	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	54.16	
01 22 23 00-0492	MO	16' Width x 8' Length, 5-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	162.47	
01 22 23 00-0493	Day	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	16.67	
01 22 23 00-0494	WK	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	41.67	
01 22 23 00-0495	MO	24' Width x 4' Length, 6" Thick, Laminated Heavy Equipment Mat (Emtek™)	125.01	
01 22 23 00-0496	Day	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	22.57	
01 22 23 00-0497	WK	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	56.42	
01 22 23 00-0498	MO	30' Width x 4' Length, 6-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	169.25	
01 22 23 00-0499	Day	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	19.51	
01 22 23 00-0500	WK	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	48.78	
01 22 23 00-0501	MO	24' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	146.33	
01 22 23 00-0502	Day	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	32.54	
01 22 23 00-0503	WK	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	81.35	
01 22 23 00-0504	MO	40' Width x 4' Length, 7-1/2" Thick, Laminated Heavy Equipment Mat (Emtek™)	244.05	
01 22 23 00-0505	Day	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	34.69	
01 22 23 00-0506	WK	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	86.72	
01 22 23 00-0507	MO	40' Width x 4' Length, 8" Thick, Laminated Heavy Equipment Mat (Emtek™)	260.15	

**01 22 23 00-0508 Electrical Equipment** (01 22 23)

**01 22 23 00-0509 Trailer Mounted Floodlights** (01 22 23 00-0508)

Note: Includes delivery to job site and pick-up when complete. Excludes operator.

01 22 23 00-0510	DAY	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	169.64	
01 22 23 00-0511	WK	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	376.15	
01 22 23 00-0512	MO	4 x 1,000 Watt Floodlights, 30' Telescoping Tower, Diesel Power Trailer Mounted Light Tower	811.30	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0513 Tripod Mounted Floodlights** (01 22 23 00-0508)  
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0514	DAY 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	60.48	
01 22 23 00-0515	WK 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	143.08	
01 22 23 00-0516	MO 500 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	302.40	
01 22 23 00-0517	DAY 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	60.48	
01 22 23 00-0518	WK 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	177.01	
01 22 23 00-0519	MO 1,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	523.66	
01 22 23 00-0520	DAY 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	67.85	
01 22 23 00-0521	WK 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	184.39	
01 22 23 00-0522	MO 2,000 Watt, 115 Volt, 2 Lamp, Portable Light Stand With Tripod.....	449.91	

**01 22 23 00-0523 Generator Sets** (01 22 23 00-0508)

**01 22 23 00-0524 Portable, Gas Powered Generator Sets** (01 22 23 00-0523)

Note: With 24 hour day-tank. Includes delivery to job site and pick-up when complete. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0631 for reimbursable fuel fees.

01 22 23 00-0525	DAY 3.6 KW, 8 HP Gas Powered Generator Set.....	55.03	
	Note: Fuel consumption: 100% load - 0.54 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	6.88	
	<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	27.52	
01 22 23 00-0526	WK 3.6 KW, 8 HP Gas Powered Generator Set.....	198.35	
	Note: Fuel consumption: 100% load - 0.54 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	24.79	
01 22 23 00-0527	MO 3.6 KW, 8 HP Gas Powered Generator Set.....	550.27	
	Note: Fuel consumption: 100% load - 0.54 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	68.78	
01 22 23 00-0528	DAY 5 KW, 11 HP Gas Powered Generator Set.....	78.06	
	Note: Fuel consumption: 100% load - 0.75 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	9.76	
01 22 23 00-0529	WK 5 KW, 11 HP Gas Powered Generator Set.....	249.54	
	Note: Fuel consumption: 100% load - 0.75 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	31.19	
01 22 23 00-0530	MO 5 KW, 11 HP Gas Powered Generator Set.....	569.47	
	Note: Fuel consumption: 100% load - 0.75 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	71.18	
01 22 23 00-0531	DAY 6.5 KW, 13 HP Gas Powered Generator Set.....	99.82	
	Note: Fuel consumption: 100% load - 0.975 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	12.48	
01 22 23 00-0532	WK 6.5 KW, 13 HP Gas Powered Generator Set.....	268.74	
	Note: Fuel consumption: 100% load - 0.975 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	33.59	
01 22 23 00-0533	MO 6.5 KW, 13 HP Gas Powered Generator Set.....	742.23	
	Note: Fuel consumption: 100% load - 0.975 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	92.78	
01 22 23 00-0534	DAY 10 KW, 18 HP Gas Powered Generator Set.....	111.33	
	Note: Fuel consumption: 100% load - 1.5 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	13.92	
01 22 23 00-0535	WK 10 KW, 18 HP Gas Powered Generator Set.....	300.73	
	Note: Fuel consumption: 100% load - 1.5 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	37.59	
01 22 23 00-0536	MO 10 KW, 18 HP Gas Powered Generator Set.....	863.80	
	Note: Fuel consumption: 100% load - 1.5 gallons per hour		
	<i>For LP Or NG Gas, Add</i>	107.98	

**01 22 23 00-0537 Towable, Diesel Powered Generator Sets** (01 22 23 00-0523)

Note: Includes 24 hour day-tank on sizes up to 180KW, 40 hour day-tank for sizes greater than 180KW To 300 KW and 1000 gallon for sizes greater than 300KW. Multi-voltage transformer unless stated otherwise, trailer mounted including sound attenuation and control panel. Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0631 for reimbursable fuel fees.

01 22 23 00-0538	DAY 20 KW, 60 Hertz Towable Diesel Powered Generator Set .....	229.07	
	Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
	<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	114.54	
	<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	229.07	
01 22 23 00-0539	WK 20 KW, 60 Hertz Towable Diesel Powered Generator Set .....	598.90	
	Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
	<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	299.45	
	<i>For &gt;80 Hours Usage Per Week, Add</i>	598.90	
01 22 23 00-0540	MO 20 KW, 60 Hertz Towable Diesel Powered Generator Set .....	1,631.62	
	Note: Fuel consumption: 100% load - 1.6 gallons per hour, 75% load - 1.3 gallons per hour, 50% load - 0.9 gallons per hour.		
	<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	815.81	
	<i>For &gt;320 Hours Usage Per Month, Add</i>	1,631.62	
01 22 23 00-0541	DAY 30 KW, 60 Hertz Towable Diesel Powered Generator Set .....	379.60	
	Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
	<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	189.80	
	<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	379.60	
01 22 23 00-0542	WK 30 KW, 60 Hertz Towable Diesel Powered Generator Set .....	1,126.54	
	Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
	<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	563.27	
	<i>For &gt;80 Hours Usage Per Week, Add</i>	1,126.54	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0543	MO		30 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,326.55	
			Note: Fuel consumption: 100% load - 2.9 gallons per hour, 75% load - 2.4 gallons per hour, 50% load - 1.8 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,163.28	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	2,326.55	
01 22 23 00-0544	DAY		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	416.33	
			Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	208.17	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	416.33	
01 22 23 00-0545	WK		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,163.28	
			Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	581.64	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	1,163.28	
01 22 23 00-0546	MO		40.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,571.45	
			Note: Fuel consumption: 100% load - 4.0 gallons per hour, 75% load - 3.2 gallons per hour, 50% load - 2.3 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,285.73	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	2,571.45	
01 22 23 00-0547	DAY		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	446.94	
			Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	223.47	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	446.94	
01 22 23 00-0548	WK		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,224.50	
			Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	612.25	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	1,224.50	
01 22 23 00-0549	MO		55.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	2,938.80	
			Note: Fuel consumption: 100% load - 4.8 gallons per hour, 75% load - 3.8 gallons per hour, 50% load - 2.9 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,469.40	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	2,938.80	
01 22 23 00-0550	DAY		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	489.80	
			Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	244.90	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	489.80	
01 22 23 00-0551	WK		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,389.81	
			Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	694.91	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	1,389.81	
01 22 23 00-0552	MO		70.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,306.15	
			Note: Fuel consumption: 100% load - 5.7 gallons per hour, 75% load - 4.3 gallons per hour, 50% load - 3.2 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,653.08	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	3,306.15	
01 22 23 00-0553	DAY		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	551.02	
			Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	275.51	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	551.02	
01 22 23 00-0554	WK		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,469.40	
			Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	734.70	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	1,469.40	
01 22 23 00-0555	MO		80.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	3,673.50	
			Note: Fuel consumption: 100% load - 6.5 gallons per hour, 75% load - 4.9 gallons per hour, 50% load - 3.6 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	1,836.75	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	3,673.50	
01 22 23 00-0556	DAY		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	569.39	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	284.70	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	569.39	
01 22 23 00-0557	WK		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,530.62	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	765.31	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	1,530.62	
01 22 23 00-0558	MO		100.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	4,163.30	
			Note: Fuel consumption: 100% load - 7.4 gallons per hour, 75% load - 5.8 gallons per hour, 50% load - 4.1 gallons per hour.		
			<i>For &gt;160 To 320 Hours Usage Per Month, Add</i>	2,081.65	
			<i>For &gt;320 Hours Usage Per Month, Add</i>	4,163.30	
01 22 23 00-0559	DAY		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	642.86	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			<i>For &gt;8 To 16 Hours Usage Per Day, Add</i>	321.43	
			<i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	642.86	
01 22 23 00-0560	WK		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set.....	1,775.52	
			Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour.		
			<i>For &gt;40 To 80 Hours Usage Per Week, Add</i>	887.76	
			<i>For &gt;80 Hours Usage Per Week, Add</i>	1,775.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0561	MO		120.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 8.7 gallons per hour, 75% load - 6.8 gallons per hour, 50% load - 4.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	4,775.55 2,387.78 4,775.55	
01 22 23 00-0562	DAY		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 7.9 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	673.48 336.74 673.48	
01 22 23 00-0563	WK		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	1,867.36 933.68 1,867.36	
01 22 23 00-0564	MO		140.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 10.2 gallons per hour, 75% load - 7.9 gallons per hour, 50% load - 5.6 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	5,265.35 2,632.68 5,265.35	
01 22 23 00-0565	DAY		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	704.09 352.05 704.09	
01 22 23 00-0566	WK		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,020.42 1,010.21 2,020.42	
01 22 23 00-0567	MO		150.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 10.9 gallons per hour, 75% load - 8.4 gallons per hour, 50% load - 5.9 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	5,510.25 2,755.13 5,510.25	
01 22 23 00-0568	DAY		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	734.70 367.35 734.70	
01 22 23 00-0569	WK		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,142.88 1,071.44 2,142.88	
01 22 23 00-0570	MO		160.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 11.6 gallons per hour, 75% load - 8.9 gallons per hour, 50% load - 6.2 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	5,755.15 2,877.58 5,755.15	
01 22 23 00-0571	DAY		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	734.70 367.35 734.70	
01 22 23 00-0572	WK		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,142.88 1,071.44 2,142.88	
01 22 23 00-0573	MO		175.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 12.7 gallons per hour, 75% load - 9.7 gallons per hour, 50% load - 6.8 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	5,755.15 2,877.58 5,755.15	
01 22 23 00-0574	DAY		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	1,010.21 505.11 1,010.21	
01 22 23 00-0575	WK		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,510.22 1,255.11 2,510.22	
01 22 23 00-0576	MO		200.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 14.4 gallons per hour, 75% load - 11.0 gallons per hour, 50% load - 7.7 gallons per hour. For >160 To 320 Hours Usage Per Month, Add For >320 Hours Usage Per Month, Add	7,347.00 3,673.50 7,347.00	
01 22 23 00-0577	DAY		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >8 To 16 Hours Usage Per Day, Add For >16 To 24 Hours Usage Per Day, Add	1,071.44 535.72 1,071.44	
01 22 23 00-0578	WK		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. For >40 To 80 Hours Usage Per Week, Add For >80 Hours Usage Per Week, Add	2,571.45 1,285.73 2,571.45	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0579	MO		250.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 19.8 gallons per hour, 75% load - 12.3 gallons per hour, 50% load - 8.6 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	7,591.90 3,795.95 7,591.90	
01 22 23 00-0580	DAY		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,132.66 566.33 1,132.66	
01 22 23 00-0581	WK		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	2,632.68 1,316.34 2,632.68	
01 22 23 00-0582	MO		275.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 18.0 gallons per hour, 75% load - 13.6 gallons per hour, 50% load - 9.5 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	7,836.80 3,918.40 7,836.80	
01 22 23 00-0583	DAY		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,169.40 584.70 1,169.40	
01 22 23 00-0584	WK		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	2,816.35 1,408.18 2,816.35	
01 22 23 00-0585	MO		300.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 21.5 gallons per hour, 75% load - 16.1 gallons per hour, 50% load - 11.3 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	8,326.60 4,163.30 8,326.60	
01 22 23 00-0586	DAY		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	1,224.50 612.25 1,224.50	
01 22 23 00-0587	WK		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	3,183.70 1,591.85 3,183.70	
01 22 23 00-0588	MO		350.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 25.1 gallons per hour, 75% load - 18.7 gallons per hour, 50% load - 13.1 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	9,183.75 4,591.88 9,183.75	
01 22 23 00-0589	DAY		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	2,038.96 1,019.48 2,038.96	
01 22 23 00-0590	WK		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	5,271.67 2,635.84 5,271.67	
01 22 23 00-0591	MO		400.0 KW, 60 Hertz Towable Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 28.6 gallons per hour, 75% load - 21.3 gallons per hour, 50% load - 14.9 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	13,941.60 6,970.80 13,941.60	
01 22 23 00-0592	DAY		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	2,614.05 1,307.03 2,614.05	
01 22 23 00-0593	WK		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	6,796.53 3,398.27 6,796.53	
01 22 23 00-0594	MO		500.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 35.7 gallons per hour, 75% load - 26.4 gallons per hour, 50% load - 18.5 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	15,684.30 7,842.15 15,684.30	
01 22 23 00-0595	DAY		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	3,232.71 1,616.36 3,232.71	
01 22 23 00-0596	WK		640.0 KW, 60 Hertz Container Diesel Powered Generator Set..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	8,539.23 4,269.62 8,539.23	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0597	MO	640.0 KW, 60 Hertz Container Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 45.6 gallons per hour, 75% load - 33.5 gallons per hour, 50% load - 20.8 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	20,912.40  10,456.20 20,912.40	
01 22 23 00-0598	DAY	750.0 KW, 60 Hertz Container Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;8 To 16 Hours Usage Per Day, Add</i> <i>For &gt;16 To 24 Hours Usage Per Day, Add</i>	3,494.11  1,747.06 3,494.11	
01 22 23 00-0599	WK	750.0 KW, 60 Hertz Container Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;40 To 80 Hours Usage Per Week, Add</i> <i>For &gt;80 Hours Usage Per Week, Add</i>	8,051.27  4,025.64 8,051.27	
01 22 23 00-0600	MO	750.0 KW, 60 Hertz Container Diesel Powered Generator Set ..... Note: Fuel consumption: 100% load - 53.4 gallons per hour, 75% load - 39.3 gallons per hour, 50% load - 24.4 gallons per hour. <i>For &gt;160 To 320 Hours Usage Per Month, Add</i> <i>For &gt;320 Hours Usage Per Month, Add</i>	24,153.82  12,076.91 24,153.82	
01 22 23 00-0601	EA	Up To 300 KW Generator Set Delivery, Set-Up, Testing And Pick-up.....	1,118.40	
01 22 23 00-0602	EA	350 To 750 KW Generator Set Delivery, Set-Up, Testing And Pick-up .....	1,869.45	

**01 22 23 00-0603 Cabling For Generator Sets** (01 22 23 00-0523)  
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0604	DAY	#1 Banded Cable, 50' With Camlock Ends For Generator Set .....	26.94	
01 22 23 00-0605	WK	#1 Banded Cable, 50' With Camlock Ends For Generator Set .....	47.14	
01 22 23 00-0606	MO	#1 Banded Cable, 50' With Camlock Ends For Generator Set .....	141.43	
01 22 23 00-0607	DAY	50', 4/0 Cable With Camlock Ends For Generator Set .....	13.47	
01 22 23 00-0608	WK	50', 4/0 Cable With Camlock Ends For Generator Set .....	39.18	
01 22 23 00-0609	MO	50', 4/0 Cable With Camlock Ends For Generator Set .....	108.98	

**01 22 23 00-0610 Resistive Loadbanks For Generator Sets** (01 22 23 00-0523)  
 Note: Includes delivery to job site and pick-up when complete. See CSI section 01 22 23 00-0631 for reimbursable fuel fees.

01 22 23 00-0611	DAY	100 KW A/C Resistive Loadbank .....	368.21	
01 22 23 00-0612	WK	100 KW A/C Resistive Loadbank .....	700.33	
01 22 23 00-0613	MO	100 KW A/C Resistive Loadbank .....	1,913.26	
01 22 23 00-0614	DAY	650 KW A/C Resistive Loadbank .....	642.55	
01 22 23 00-0615	WK	650 KW A/C Resistive Loadbank .....	1,718.34	
01 22 23 00-0616	MO	650 KW A/C Resistive Loadbank .....	4,381.05	

**01 22 23 00-0617 Sub-Distribution Panels (Spider Box) For Generator Sets** (01 22 23 00-0523)  
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0618	DAY	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	66.12	
01 22 23 00-0619	WK	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	171.43	
01 22 23 00-0620	MO	50 Amperes, 240 Volt, Single Phase, Sub-Distribution Panel (Spider Box).....	483.68	

**01 22 23 00-0621 Portable Distribution Panels For Generator Sets** (01 22 23 00-0523)  
 Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0622	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	146.94	
01 22 23 00-0623	WK	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	397.96	
01 22 23 00-0624	MO	200 Amperes, 208 Volt, 3 Phase, Portable Spider Box Feeder Panel.....	1,114.30	
01 22 23 00-0625	DAY	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	120.00	
01 22 23 00-0626	WK	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	312.25	
01 22 23 00-0627	MO	100 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	887.76	
01 22 23 00-0628	DAY	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	153.06	
01 22 23 00-0629	WK	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	385.72	
01 22 23 00-0630	MO	200 Amperes, 208 Volt, 3 Phase, Portable Quad Box Panel.....	1,046.95	

**01 22 23 00-0631 Fuel Reimbursement For Generators** (01 22 23 00-0523)

01 22 23 00-0632	EA	Fuel Reimbursement For Generators .....	1.00	
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Note: Purchases made by the contractor for fuel will be reimbursed to the Contractor at the actual cost of the purchase, without mark-up, for which a receipt or bill is received. The Adjustment Factor applied to Reimbursable Fees will be 1.0000. The base cost of the purchase is \$1.00, quantity will adjust cost to actual purchase cost; i.e., quantity of 125 = \$125.00 purchase. If there are multiple purchases, each one shall be listed separately with a comment in the "note" block to identify the purchase.

**01 22 23 00-0633 Welding Machines** (01 22 23 00-0508)  
 Note: Includes delivery to job site and pick-up when complete. Excludes operator.

**01 22 23 00-0634 CC/CV Inverter Welder** (01 22 23 00-0633)  
 Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0631 for reimbursable fuel fees.

01 22 23 00-0635	DAY	250 Amperes, CC Inverter Welder.....	53.24	
01 22 23 00-0636	WK	250 Amperes, CC Inverter Welder.....	116.00	
01 22 23 00-0637	MO	250 Amperes, CC Inverter Welder.....	351.80	
01 22 23 00-0638	DAY	300 Amperes, CC/CV Inverter Welder.....	60.85	
01 22 23 00-0639	WK	300 Amperes, CC/CV Inverter Welder.....	161.64	
01 22 23 00-0640	MO	300 Amperes, CC/CV Inverter Welder.....	427.86	
01 22 23 00-0641	DAY	350 Amperes, CC/CV Inverter Welder.....	62.75	
01 22 23 00-0642	WK	350 Amperes, CC/CV Inverter Welder.....	165.44	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0643	MO		350 Amperes, CC/CV Inverter Welder.....	465.89	
<b>01 22 23 00-0644</b>			<b>MIG Welder</b> <small>(01 22 23 00-0633)</small>		
			Note: Excludes cables, operator and fuel costs. See CSI section 01 22 23 00-0631 for reimbursable fuel fees.		
01 22 23 00-0645	DAY		115 Volt MIG Welder.....	91.28	
01 22 23 00-0646	WK		115 Volt MIG Welder.....	237.70	
01 22 23 00-0647	MO		115 Volt MIG Welder.....	646.54	
<b>01 22 23 00-0648</b>			<b>Diesel Powered Towable Welding Machines</b> <small>(01 22 23 00-0633)</small>		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0649	DAY		250 To 299 Amperes, Diesel Powered Towable Welding Machine .....	171.14	
01 22 23 00-0650	WK		250 To 299 Amperes, Diesel Powered Towable Welding Machine .....	418.35	
01 22 23 00-0651	MO		250 To 299 Amperes, Diesel Powered Towable Welding Machine .....	998.34	
01 22 23 00-0652	DAY		300 To 349 Amperes, Diesel Powered Towable Welding Machine .....	228.19	
01 22 23 00-0653	WK		300 To 349 Amperes, Diesel Powered Towable Welding Machine .....	446.88	
01 22 23 00-0654	MO		300 To 349 Amperes, Diesel Powered Towable Welding Machine .....	1,043.98	
01 22 23 00-0655	DAY		350 To 399 Amperes, Diesel Powered Towable Welding Machine .....	237.70	
01 22 23 00-0656	WK		350 To 399 Amperes, Diesel Powered Towable Welding Machine .....	475.40	
01 22 23 00-0657	MO		350 To 399 Amperes, Diesel Powered Towable Welding Machine .....	1,159.98	
<b>01 22 23 00-0658</b>			<b>Portable Floor Drying Fans</b> <small>(01 22 23 00-0508)</small>		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0659	DAY		2,250 CFM Portable Floor Drying Fan.....	23.67	
01 22 23 00-0660	WK		2,250 CFM Portable Floor Drying Fan.....	109.48	
01 22 23 00-0661	MO		2,250 CFM Portable Floor Drying Fan.....	362.48	
<b>01 22 23 00-0662</b>			<b>Portable Fume Extractors</b> <small>(01 22 23 00-0508)</small>		
			Note: Includes delivery to job site and pick-up when complete. Excludes operator.		
01 22 23 00-0663	DAY		Portable Fume Extractor.....	26.66	
01 22 23 00-0664	WK		Portable Fume Extractor.....	79.97	
<b>01 22 23 00-0665</b>			<b>General Equipment</b> <small>(01 22 23)</small>		
<b>01 22 23 00-0666</b>			<b>Jacks And Bracing</b> <small>(01 22 23 00-0665)</small>		
			Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-0667</b>			<b>Manual Hydraulic Jacks</b> <small>(01 22 23 00-0666)</small>		
01 22 23 00-0668	DAY		12 Ton Manual Hydraulic Bottle Jack.....	1.67	
01 22 23 00-0669	WK		12 Ton Manual Hydraulic Bottle Jack.....	7.93	
01 22 23 00-0670	MO		12 Ton Manual Hydraulic Bottle Jack.....	28.50	
01 22 23 00-0671	DAY		20 Ton Manual Hydraulic Bottle Jack.....	2.92	
01 22 23 00-0672	WK		20 Ton Manual Hydraulic Bottle Jack.....	9.18	
01 22 23 00-0673	MO		20 Ton Manual Hydraulic Bottle Jack.....	34.76	
01 22 23 00-0674	DAY		50 Ton Manual Hydraulic Bottle Jack.....	10.43	
01 22 23 00-0675	WK		50 Ton Manual Hydraulic Bottle Jack.....	40.49	
01 22 23 00-0676	MO		50 Ton Manual Hydraulic Bottle Jack.....	145.66	
01 22 23 00-0677	DAY		100 Ton Manual Hydraulic Bottle Jack.....	14.61	
01 22 23 00-0678	WK		100 Ton Manual Hydraulic Bottle Jack.....	58.43	
01 22 23 00-0679	MO		100 Ton Manual Hydraulic Bottle Jack.....	210.46	
<b>01 22 23 00-0680</b>			<b>Manual Screw Jacks</b> <small>(01 22 23 00-0666)</small>		
01 22 23 00-0681	DAY		10 To 20 Ton Manual Screw Jack .....	18.12	
01 22 23 00-0682	WK		10 To 20 Ton Manual Screw Jack .....	47.97	
01 22 23 00-0683	MO		10 To 20 Ton Manual Screw Jack .....	143.90	
<b>01 22 23 00-0684</b>			<b>Pressure Washers</b> <small>(01 22 23 00-0665)</small>		
			Note: Includes delivery to job site, pick-up when complete and full time operator.		
01 22 23 00-0685	DAY		2,000 PSI Pressure Washer With Full-Time Operator .....	1,086.17	
			<i>For Equipment Without Operator, Deduct</i>	-978.50	
01 22 23 00-0686	WK		2,000 PSI Pressure Washer With Full-Time Operator .....	5,165.83	
			<i>For Equipment Without Operator, Deduct</i>	-4,892.52	
01 22 23 00-0687	MO		2,000 PSI Pressure Washer With Full-Time Operator .....	21,896.61	
			<i>For Equipment Without Operator, Deduct</i>	-21,200.92	
01 22 23 00-0688	DAY		2,500 PSI Pressure Washer With Full-Time Operator .....	1,086.17	
			<i>For Equipment Without Operator, Deduct</i>	-978.50	
01 22 23 00-0689	WK		2,500 PSI Pressure Washer With Full-Time Operator .....	5,165.83	
			<i>For Equipment Without Operator, Deduct</i>	-4,892.52	
01 22 23 00-0690	MO		2,500 PSI Pressure Washer With Full-Time Operator .....	21,896.61	
			<i>For Equipment Without Operator, Deduct</i>	-21,200.92	
01 22 23 00-0691	DAY		3,000 PSI Pressure Washer With Full-Time Operator .....	1,086.17	
			<i>For Equipment Without Operator, Deduct</i>	-978.50	
01 22 23 00-0692	WK		3,000 PSI Pressure Washer With Full-Time Operator .....	5,165.83	
			<i>For Equipment Without Operator, Deduct</i>	-4,892.52	
01 22 23 00-0693	MO		3,000 PSI Pressure Washer With Full-Time Operator .....	21,896.61	
			<i>For Equipment Without Operator, Deduct</i>	-21,200.92	
01 22 23 00-0694	DAY		3,500 PSI Pressure Washer With Full-Time Operator .....	1,094.45	
			<i>For Equipment Without Operator, Deduct</i>	-978.50	
01 22 23 00-0695	WK		3,500 PSI Pressure Washer With Full-Time Operator .....	5,190.67	
			<i>For Equipment Without Operator, Deduct</i>	-4,892.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-0696	MO		3,500 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	21,962.86 -21,200.92	
01 22 23 00-0697	DAY		4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,127.58 -978.50	
01 22 23 00-0698	WK		4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,298.34 -4,892.52	
01 22 23 00-0699	MO		4,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,335.55 -21,200.92	
01 22 23 00-0700	DAY		5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,144.14 -978.50	
01 22 23 00-0701	WK		5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	5,339.75 -4,892.52	
01 22 23 00-0702	MO		5,000 PSI Pressure Washer With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	22,459.78 -21,200.92	
<b>01 22 23 00-0703 Confined Space Entry Equipment (01 22 23 00-0665)</b>					
Note: Includes delivery to job site, set-up, and pick-up when complete.					
01 22 23 00-0704	DAY		Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	41.47	
01 22 23 00-0705	WK		Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	124.40	
01 22 23 00-0706	MO		Ventilation Equipment For Confined Space Note: Includes electric or gas blower and ventilation duct up to 25'.	371.22	
01 22 23 00-0707	DAY		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	65.54	
01 22 23 00-0708	WK		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	196.62	
01 22 23 00-0709	MO		Confined Space Air Monitor, Tripod, Harness, Cables, SCBAs And Complete Assembly	589.86	
01 22 23 00-0710	DAY		Confined Space Air Monitor Personnel Note: Per person day.	1,183.88	
<b>01 22 23 00-0711 Ground Thaw Mobile Equipment And Blankets (01 22 23 00-0665)</b>					
Note: Rental includes self contained boiler equipment with manifold, fuel, all hoses and blankets. Includes delivery to job site and pick-up when complete.					
01 22 23 00-0712	DAY		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	853.50	
01 22 23 00-0713	WK		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	2,829.72	
01 22 23 00-0714	MO		Up To 2,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: Up to 5,000 SF concrete curing area.	10,025.52	
01 22 23 00-0715	DAY		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	1,588.20	
01 22 23 00-0716	WK		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	4,193.58	
01 22 23 00-0717	MO		>2,500 To 3,500 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >5,000 to 7,000 SF concrete curing area.	10,734.89	
01 22 23 00-0718	DAY		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	1,936.56	
01 22 23 00-0719	WK		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	5,249.19	
01 22 23 00-0720	MO		>4,000 To 5,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: >8,000 to 10,000 SF concrete curing area.	11,572.67	
01 22 23 00-0721	DAY		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	2,425.98	
01 22 23 00-0722	WK		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 to 12,000 SF concrete curing area.	5,713.66	
01 22 23 00-0723	MO		>5,000 To 6,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 10,000 To 12,000 SF concrete curing area.	15,168.47	
01 22 23 00-0724	DAY		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	3,034.40	
01 22 23 00-0725	WK		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	7,246.42	
01 22 23 00-0726	MO		11,000 To 12,000 SF Ground Area, Portable Ground Heater For Ground Thaw Note: 22,000 to 24,000 SF concrete curing area.	16,437.32	
01 22 23 00-0727	CSF		Place Hoses And Blankets Over Area Note: Lay hose in loops, 24" on center, over area. Cover the hose with construction blankets.	49.32	
<b>01 22 23 00-0728 Direct Fired Space Heaters (01 22 23 00-0665)</b>					
Note: Includes delivery to job site, set-up, and pick-up when complete. Excludes operator.					
01 22 23 00-0729	DAY		150,000 BTU/Hour Space Heater	63.38	
01 22 23 00-0730	WK		150,000 BTU/Hour Space Heater	182.23	
01 22 23 00-0731	MO		150,000 BTU/Hour Space Heater	515.00	
01 22 23 00-0732	DAY		500,000 BTU/Hour Space Heater	134.69	
01 22 23 00-0733	WK		500,000 BTU/Hour Space Heater	332.77	
01 22 23 00-0734	MO		500,000 BTU/Hour Space Heater	841.42	
<b>01 22 23 00-0735 Material Handling Equipment (01 22 23)</b>					
<b>01 22 23 00-0736 Truck Mounted Hydraulic Cranes (01 22 23 00-0735)</b>					
Note: Includes full-time operator, delivery, set-up, rigging, all necessary counter weights and removal time in rental period. Excludes lattice boom extension.					
01 22 23 00-0737	DAY		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	1,727.39 -1,257.20	
01 22 23 00-0738	WK		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator <i>For Equipment Without Operator, Deduct</i>	7,710.41 -6,286.02	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
01 22 23 00-0739	MO		6 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	31,526.43 -27,239.44	
01 22 23 00-0740	DAY		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,851.85 -1,257.20	
01 22 23 00-0741	WK		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,080.33 -6,286.02	
01 22 23 00-0742	MO		8 To 9 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	32,632.75 -27,239.44	
01 22 23 00-0743	DAY		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	1,976.31 -1,257.20	
01 22 23 00-0744	WK		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,450.26 -6,286.02	
01 22 23 00-0745	MO		14 To 15 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	33,739.07 -27,239.44	
01 22 23 00-0746	DAY		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,142.26 -1,257.20	
01 22 23 00-0747	WK		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	8,948.10 -6,286.02	
01 22 23 00-0748	MO		20 To 25 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	35,225.69 -27,239.44	
01 22 23 00-0749	DAY		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,294.38 -1,257.20	
01 22 23 00-0750	WK		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	9,978.36 -6,286.02	
01 22 23 00-0751	MO		30 To 35 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	38,313.70 -27,239.44	
01 22 23 00-0752	DAY		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,653.93 -1,257.20	
01 22 23 00-0753	WK		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	11,264.46 -6,286.02	
01 22 23 00-0754	MO		40 To 45 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	42,174.76 -27,239.44	
01 22 23 00-0755	DAY		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	2,882.11 -1,257.20	
01 22 23 00-0756	WK		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	12,066.54 -6,286.02	
01 22 23 00-0757	MO		50 To 55 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	44,586.54 -27,239.44	
01 22 23 00-0758	DAY		60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,061.88 -1,257.20	
01 22 23 00-0759	WK		60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	12,716.50 -6,286.02	
01 22 23 00-0760	MO		60 To 65 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	46,533.66 -27,239.44	
01 22 23 00-0761	DAY		70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,241.66 -1,257.20	
01 22 23 00-0762	WK		70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	13,366.47 -6,286.02	
01 22 23 00-0763	MO		70 To 75 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	48,480.78 -27,239.44	
01 22 23 00-0764	DAY		85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,359.21 -1,257.20	
01 22 23 00-0765	WK		85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	13,767.51 -6,286.02	
01 22 23 00-0766	MO		85 To 90 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	49,697.74 -27,239.44	
01 22 23 00-0767	DAY		100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	3,518.24 -1,257.20	
01 22 23 00-0768	WK		100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	14,362.16 -6,286.02	
01 22 23 00-0769	MO		100 To 110 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	51,467.85 -27,239.44	
01 22 23 00-0770	DAY		120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	4,029.91 -1,257.20	
01 22 23 00-0771	WK		120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Half Day Usage, Deduct</i>	15,990.52 -6,286.02	
01 22 23 00-0772	MO		120 To 125 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	56,352.94 -27,239.44	
01 22 23 00-0773	DAY		140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	4,382.55 -1,257.20	
01 22 23 00-0774	WK		140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Half Day Usage, Deduct</i>	17,224.76 -6,286.02	
01 22 23 00-0775	MO		140 To 150 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	60,055.66 -27,239.44	
01 22 23 00-0776	DAY		175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,018.69 -1,257.20	
01 22 23 00-0777	WK		175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Half Day Usage, Deduct</i>	19,451.23 -6,286.02	
01 22 23 00-0778	MO		175 To 185 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	66,735.06 -27,239.44	
01 22 23 00-0779	DAY		200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Equipment Without Operator, Deduct</i>	5,461.22 -1,257.20	
01 22 23 00-0780	WK		200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... <i>For Half Day Usage, Deduct</i>	21,000.08 -6,286.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0781 MO 200 To 210 Ton Lift, Truck Mounted Hydraulic Crane With Full-Time Operator ..... 71,381.61  
 For Equipment Without Operator, Deduct -27,239.44

**01 22 23 00-0782 Cable Controlled Lattice Boom, Mechanical Cranes (01 22 23 00-0735)**

Note: Includes full-time operator and counterweights. Excludes delivery, set-up, and removal. See CSI section 01 71 13 00-0004 for lattice crane delivery.

01 22 23 00-0783 DAY 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator ..... 2,916.68  
 For Equipment Without Operator, Deduct -1,257.20

01 22 23 00-0784 WK 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator ..... 12,204.83  
 For Equipment Without Operator, Deduct -6,286.02

01 22 23 00-0785 MO 75 To 80 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator ..... 44,995.88  
 For Equipment Without Operator, Deduct -27,239.44

01 22 23 00-0786 DAY 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator ..... 4,195.86  
 For Equipment Without Operator, Deduct -1,257.20

01 22 23 00-0787 WK 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator ..... 14,334.50  
 For Equipment Without Operator, Deduct -6,286.02

01 22 23 00-0788 MO 100 To 110 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Mechanical Crane With Full-Time Operator ..... 51,384.87  
 For Equipment Without Operator, Deduct -27,239.44

01 22 23 00-0789 DAY 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator ..... 4,403.30  
 For Equipment Without Operator, Deduct -1,257.20

01 22 23 00-0790 WK 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator ..... 15,848.77  
 For Equipment Without Operator, Deduct -6,286.02

01 22 23 00-0791 MO 125 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator ..... 55,926.32  
 For Equipment Without Operator, Deduct -27,239.44

01 22 23 00-0792 DAY 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator ..... 4,818.17  
 For Equipment Without Operator, Deduct -1,257.20

01 22 23 00-0793 WK 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator ..... 17,363.05  
 For Equipment Without Operator, Deduct -6,286.02

01 22 23 00-0794 MO 150 Ton Lift, Cable Controlled Lattice Boom, Truck Mounted Or Crawler Mechanical Crane With Full-Time Operator ..... 60,462.23  
 For Equipment Without Operator, Deduct -27,239.44

01 22 23 00-0795 DAY 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 5,015.23  
 For Equipment Without Operator, Deduct -1,257.20

01 22 23 00-0796 WK 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 18,877.32  
 For Equipment Without Operator, Deduct -6,286.02

01 22 23 00-0797 MO 200 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 65,009.20  
 For Equipment Without Operator, Deduct -27,239.44

01 22 23 00-0798 DAY 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 5,212.29  
 For Equipment Without Operator, Deduct -1,257.20

01 22 23 00-0799 WK 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 20,391.60  
 For Equipment Without Operator, Deduct -6,286.02

01 22 23 00-0800 MO 250 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 69,556.18  
 For Equipment Without Operator, Deduct -27,239.44

01 22 23 00-0801 DAY 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 5,862.26  
 For Equipment Without Operator, Deduct -1,257.20

01 22 23 00-0802 WK 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 22,721.79  
 For Equipment Without Operator, Deduct -6,286.02

01 22 23 00-0803 MO 300 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 76,537.06  
 For Equipment Without Operator, Deduct -27,239.44

01 22 23 00-0804 DAY 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 9,858.84  
 For Equipment Without Operator, Deduct -1,257.20

01 22 23 00-0805 WK 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 36,965.66  
 For Equipment Without Operator, Deduct -6,286.02

01 22 23 00-0806 MO 500 Ton Lift, Cable Controlled Lattice Boom, Crawler Mechanical Crane With Full-Time Operator ..... 119,285.26  
 For Equipment Without Operator, Deduct -27,239.44

**01 22 23 00-0807 Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklifts (01 22 23 00-0735)**

Note: Includes full-time operator. Excludes delivery, set-up, and removal.

01 22 23 00-0808 DAY 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 1,808.30  
 For Equipment Without Operator, Deduct -1,183.88

01 22 23 00-0809 WK 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 7,447.59  
 For Equipment Without Operator, Deduct -5,919.41

01 22 23 00-0810 MO 5,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 28,937.19  
 For Equipment Without Operator, Deduct -25,650.79

01 22 23 00-0811 DAY 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 1,874.02  
 For Equipment Without Operator, Deduct -1,183.88

01 22 23 00-0812 WK 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 7,595.47  
 For Equipment Without Operator, Deduct -5,919.41

01 22 23 00-0813 MO 6,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 29,265.83  
 For Equipment Without Operator, Deduct -25,650.79

01 22 23 00-0814 DAY 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 1,857.59  
 For Equipment Without Operator, Deduct -1,183.88

01 22 23 00-0815 WK 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 7,669.42  
 For Equipment Without Operator, Deduct -5,919.41

01 22 23 00-0816 MO 8,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 29,758.79  
 For Equipment Without Operator, Deduct -25,650.79

01 22 23 00-0817 DAY 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 2,046.56  
 For Equipment Without Operator, Deduct -1,183.88

01 22 23 00-0818 WK 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 8,162.38  
 For Equipment Without Operator, Deduct -5,919.41

01 22 23 00-0819 MO 10,000 LB Telescopic Boom, Hi-Reach, Rough Terrain Construction Forklift With Full-Time Operator ..... 30,909.03  
 For Equipment Without Operator, Deduct -25,650.79



**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-0820	Straight Mast, Rough Terrain Construction Forklifts (01 22 23 00-0735)		
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0821	DAY 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,589.75	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	81.17	
01 22 23 00-0822	WK 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	7,027.75	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	221.67	
01 22 23 00-0823	MO 5,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	28,187.48	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	507.34	
01 22 23 00-0824	DAY 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,611.11	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	85.45	
01 22 23 00-0825	WK 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	7,086.08	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	233.33	
01 22 23 00-0826	MO 6,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	28,320.99	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	534.04	
01 22 23 00-0827	DAY 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,726.14	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	108.45	
01 22 23 00-0828	WK 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	7,406.51	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	297.42	
01 22 23 00-0829	MO 8,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	29,060.43	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	681.93	
01 22 23 00-0830	DAY 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	1,789.48	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	121.12	
01 22 23 00-0831	WK 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	7,379.06	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	291.93	
01 22 23 00-0832	MO 10,000 LB Straight Mast, Rough Terrain Construction Forklift With Full-Time Operator.....	29,284.40	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	726.72	
<b>01 22 23 00-0833 Straight Mast, Industrial Warehouse Forklifts (01 22 23 00-0735)</b>			
Note: Includes full-time operator. Excludes delivery, set-up, and removal.			
01 22 23 00-0834	DAY 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,528.95	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	69.01	
01 22 23 00-0835	WK 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	6,708.15	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	157.75	
01 22 23 00-0836	MO 5,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	27,540.47	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	377.94	
01 22 23 00-0837	DAY 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,537.17	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	70.66	
01 22 23 00-0838	WK 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	6,732.79	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	162.68	
01 22 23 00-0839	MO 6,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	27,597.98	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	389.44	
01 22 23 00-0840	DAY 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,709.70	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	105.16	
01 22 23 00-0841	WK 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	7,110.73	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	238.26	
01 22 23 00-0842	MO 8,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	28,526.39	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	575.12	
01 22 23 00-0843	DAY 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,726.14	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	108.45	
01 22 23 00-0844	WK 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	7,250.40	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	266.20	
01 22 23 00-0845	MO 12,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	29,019.35	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	673.71	
01 22 23 00-0846	DAY 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	1,874.02	
	<i>For Equipment Without Operator, Deduct</i>	-1,183.88	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	138.03	
01 22 23 00-0847	WK 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	7,488.67	
	<i>For Equipment Without Operator, Deduct</i>	-5,919.41	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	313.85	
01 22 23 00-0848	MO 15,000 LB Straight Mast, Industrial Warehouse Forklift With Full-Time Operator.....	29,430.15	
	<i>For Equipment Without Operator, Deduct</i>	-25,650.79	
	<i>For Propane Instead Of Gas Or Diesel, Add</i>	755.87	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0849**

**Chain Hoists** (01 22 23 00-0735)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0850	DAY	1 Ton, 20' Lift, Manual Chain Hoist	12.52
01 22 23 00-0851	WK	1 Ton, 20' Lift, Manual Chain Hoist	32.55
01 22 23 00-0852	MO	1 Ton, 20' Lift, Manual Chain Hoist	96.40
01 22 23 00-0853	DAY	3 Ton, 20' Lift, Manual Chain Hoist	35.06
01 22 23 00-0854	WK	3 Ton, 20' Lift, Manual Chain Hoist	82.63
01 22 23 00-0855	MO	3 Ton, 20' Lift, Manual Chain Hoist	231.62
01 22 23 00-0856	DAY	5 Ton, 20' Lift, Manual Chain Hoist	45.07
01 22 23 00-0857	WK	5 Ton, 20' Lift, Manual Chain Hoist	121.44
01 22 23 00-0858	MO	5 Ton, 20' Lift, Manual Chain Hoist	338.04
01 22 23 00-0859	DAY	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	88.89
01 22 23 00-0860	WK	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	231.62
01 22 23 00-0861	MO	2 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	626.00
01 22 23 00-0862	DAY	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	90.14
01 22 23 00-0863	WK	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	241.01
01 22 23 00-0864	MO	3 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	657.30
01 22 23 00-0865	DAY	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	92.65
01 22 23 00-0866	WK	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	259.79
01 22 23 00-0867	MO	5 Ton, 20' Lift, 2-Speed, 230/460 Volt, 60 Cycle, Electric Chain Hoist	719.90

**01 22 23 00-0868**

**Roof Mounted Hoists** (01 22 23 00-0735)

01 22 23 00-0869	MO	1,000 LB Capacity, Single Line Operation, Roof Mounted, Bi-Directional Hydraulic Swing Hoist (Reimann & Georger Electric HS-2000)	3,818.96
Note: Left or right swing.			
01 22 23 00-0870	MO	2,000 LB Capacity, Double Line Operation, Roof Mounted, Bi-Directional Hydraulic Swing Hoist (Reimann & Georger Electric HS-2000)	5,057.54
Note: Left or right swing.			
01 22 23 00-0871	MO	1,000 LB Capacity, Single Line Operation, Roof Mounted, Electric Cable Hoist With Supported Scaffold (BetaMax)	3,406.10
01 22 23 00-0872	MO	2,000 LB Capacity, Double Line Operation, Roof Mounted, Electric Cable Hoist With Supported Scaffold (BetaMax)	3,818.96
01 22 23 00-0873	EA	Installation Of Temporary Roof Mounted Hoist	2,956.84
Note: Includes delivery, setup and installation. Excludes electrical hookup.			
01 22 23 00-0874	EA	Removal Of Temporary Roof Mounted Hoist	2,956.84
Note: Includes removal and pickup.			

**01 22 23 00-0875**

**Roof Swing Hoist** (01 22 23 00-0735)

Note: Includes delivery to job site and pick-up when complete.

01 22 23 00-0876	DAY	Up To 400 Lbs, Manual Swing Roof Hoist	102.46
01 22 23 00-0877	WK	Up To 400 Lbs, Manual Swing Roof Hoist	358.59
01 22 23 00-0878	MO	Up To 400 Lbs, Manual Swing Roof Hoist	1,229.46

**01 22 23 00-0879**

**Truck Mounted Digger Derrick** (01 22 23 00-0735)

Note: Includes full-time operator, delivery, set-up, and removal time in rental period. Lifting capacity is reduced.

01 22 23 00-0880	DAY	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	1,911.84	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-1,257.20
01 22 23 00-0881	WK	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	8,249.93	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-6,286.02
01 22 23 00-0882	MO	Up To 47' Sheave Height, 34' Horizontal Reach, 12 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	32,476.53	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-27,239.44
01 22 23 00-0883	DAY	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,046.39	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-1,257.20
01 22 23 00-0884	WK	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	8,653.59	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-6,286.02
01 22 23 00-0885	MO	Up To 48' Sheave Height, 38' Horizontal Reach, 15 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	33,552.97	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-27,239.44
01 22 23 00-0886	DAY	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	2,877.86	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-1,257.20
01 22 23 00-0887	WK	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	11,148.01	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-6,286.02
01 22 23 00-0888	MO	Up To 65' Sheave Height, 55' Horizontal Reach, 21 Ton Capacity, Truck Mounted Hydraulic Digger Derrick With Full-Time Operator	40,204.75	
Note: Includes lifting boom, grapple arm and auger drill.				
For Equipment Without Operator, Deduct				-27,239.44

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-0889 Pumping Equipment** (01 22 23)

**01 22 23 00-0890 Gas Powered Portable Centrifugal Pumps** (01 22 23 00-0889)  
 Note: Includes delivery, set-up, and removal. Excludes operator. See CSI section 01 22 23 00-0914 for larger diameter pumps.

01 22 23 00-0891	DAY	8,500	GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	78.02	
01 22 23 00-0892	WK	8,500	GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	175.54	
01 22 23 00-0893	MO	8,500	GPH, 2" Discharge, 108' Maximum Head, Gas Powered Portable Centrifugal Pump	468.12	
01 22 23 00-0894	DAY	16,500	GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	93.62	
01 22 23 00-0895	WK	16,500	GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	210.65	
01 22 23 00-0896	MO	16,500	GPH, 3" Discharge, 85' Maximum Head, Gas Powered Portable Centrifugal Pump	561.74	

**01 22 23 00-0897 Gas Powered Portable Diaphragm Pumps** (01 22 23 00-0889)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0898	DAY	3,000	GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	89.72	
01 22 23 00-0899	WK	3,000	GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	253.56	
01 22 23 00-0900	MO	3,000	GPH, 2" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	643.66	
01 22 23 00-0901	DAY	5,200	GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	109.23	
01 22 23 00-0902	WK	5,200	GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	292.58	
01 22 23 00-0903	MO	5,200	GPH, 3" Discharge, 25' Maximum Head, Gas Powered Portable Diaphragm Pump	828.96	

**01 22 23 00-0904 Gas Powered Portable Trash Pumps** (01 22 23 00-0889)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0905	DAY	12,000	GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	113.13	
01 22 23 00-0906	WK	12,000	GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	234.06	
01 22 23 00-0907	MO	12,000	GPH, 2" Discharge, 100' Maximum Head, Gas Powered Portable Trash Pump	702.18	
01 22 23 00-0908	DAY	25,000	GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	113.13	
01 22 23 00-0909	WK	25,000	GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	302.33	
01 22 23 00-0910	MO	25,000	GPH, 3" Discharge, 90' Maximum Head, Gas Powered Portable Trash Pump	828.96	
01 22 23 00-0911	DAY	35,000	GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	179.45	
01 22 23 00-0912	WK	35,000	GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	507.13	
01 22 23 00-0913	MO	35,000	GPH, 4" Discharge, 106' Maximum Head, Gas Powered Portable Trash Pump	1,472.63	

**01 22 23 00-0914 Diesel Powered Portable Trash Pumps** (01 22 23 00-0889)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0915	DAY	63,000	GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	351.09	
01 22 23 00-0916	WK	63,000	GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	955.74	
01 22 23 00-0917	MO	63,000	GPH, 4" Discharge, 153' Maximum Head, Diesel Powered Portable Trash Pump	4,164.32	
01 22 23 00-0918	DAY	156,000	GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	536.39	
01 22 23 00-0919	WK	156,000	GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,404.36	
01 22 23 00-0920	MO	156,000	GPH, 6" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	3,735.21	
01 22 23 00-0921	DAY	246,000	GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	729.49	
01 22 23 00-0922	WK	246,000	GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	1,952.45	
01 22 23 00-0923	MO	246,000	GPH, 10" Discharge, 160' Maximum Head, Diesel Powered Portable Trash Pump	5,223.44	
01 22 23 00-0924	DAY	379,000	GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	944.04	
01 22 23 00-0925	WK	379,000	GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	2,410.82	
01 22 23 00-0926	MO	379,000	GPH, 12" Discharge, 104' Maximum Head, Diesel Powered Portable Trash Pump	7,080.32	

**01 22 23 00-0927 Diesel Powered Portable Silenced Environmental Trash Pumps** (01 22 23 00-0889)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0928	DAY	90,000	GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	501.28	
01 22 23 00-0929	WK	90,000	GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,141.04	
01 22 23 00-0930	MO	90,000	GPH, 4" Discharge, 330' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	3,557.71	
01 22 23 00-0931	DAY	136,800	GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	614.41	
01 22 23 00-0932	WK	136,800	GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,531.14	
01 22 23 00-0933	MO	136,800	GPH, 6" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	4,164.32	
01 22 23 00-0934	DAY	246,000	GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	741.19	
01 22 23 00-0935	WK	246,000	GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,192.36	
01 22 23 00-0936	MO	246,000	GPH, 10" Discharge, 158' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	6,114.82	
01 22 23 00-0937	DAY	510,000	GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	1,115.69	
01 22 23 00-0938	WK	510,000	GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	2,849.68	
01 22 23 00-0939	MO	510,000	GPH, 12" Discharge, 200' Maximum Head, Diesel Powered Portable Silenced Environmental Trash Pump	8,367.64	

**01 22 23 00-0940 3 Phase Electric Submersible Pumps** (01 22 23 00-0889)  
 Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0941	DAY	24,000	GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	195.05	
01 22 23 00-0942	WK	24,000	GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	487.62	
01 22 23 00-0943	MO	24,000	GPH, 3" Discharge, 78' Maximum Head, 3 Phase Electric Submersible Pump	1,462.88	
01 22 23 00-0944	DAY	49,800	GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	257.47	
01 22 23 00-0945	WK	49,800	GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	643.66	
01 22 23 00-0946	MO	49,800	GPH, 4" Discharge, 98' Maximum Head, 3 Phase Electric Submersible Pump	1,931.00	

**01 22 23 00-0947 Suction Hose With Couplings** (01 22 23 00-0889)  
 Note: Includes delivery, set-up, and removal.

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-0948	DAY	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	6.00	
01 22 23 00-0949	WK	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	15.00	
01 22 23 00-0950	MO	Up To 2" Inside Diameter, 20' Length, Suction Hose With Couplings.....	46.00	
01 22 23 00-0951	DAY	3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	16.00	
01 22 23 00-0952	WK	3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	41.00	
01 22 23 00-0953	MO	3" Inside Diameter, 20' Length, Suction Hose With Couplings.....	125.00	
01 22 23 00-0954	DAY	4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	24.00	
01 22 23 00-0955	WK	4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	61.00	
01 22 23 00-0956	MO	4" Inside Diameter, 20' Length, Suction Hose With Couplings.....	185.00	
01 22 23 00-0957	DAY	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	30.00	
01 22 23 00-0958	WK	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	75.00	
01 22 23 00-0959	MO	6" Inside Diameter, 20' Length, Suction Hose With Couplings.....	220.00	
01 22 23 00-0960	DAY	10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	70.00	
01 22 23 00-0961	WK	10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	180.00	
01 22 23 00-0962	MO	10" Inside Diameter, 20' Length, Suction Hose With Couplings.....	530.00	
01 22 23 00-0963	DAY	12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	94.00	
01 22 23 00-0964	WK	12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	205.00	
01 22 23 00-0965	MO	12" Inside Diameter, 20' Length, Suction Hose With Couplings.....	615.00	

**01 22 23 00-0966 Discharge Hose With Couplings (01 22 23 00-0889)**

Note: Includes delivery, set-up, and removal.

01 22 23 00-0967	DAY	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	6.00	
01 22 23 00-0968	WK	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	15.00	
01 22 23 00-0969	MO	1-1/2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	46.00	
01 22 23 00-0970	DAY	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	7.00	
01 22 23 00-0971	WK	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	17.00	
01 22 23 00-0972	MO	2" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	53.00	
01 22 23 00-0973	DAY	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	8.00	
01 22 23 00-0974	WK	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	20.00	
01 22 23 00-0975	MO	3" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	61.00	
01 22 23 00-0976	DAY	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	21.00	
01 22 23 00-0977	WK	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	54.00	
01 22 23 00-0978	MO	4" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	155.00	
01 22 23 00-0979	DAY	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	26.00	
01 22 23 00-0980	WK	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	71.00	
01 22 23 00-0981	MO	6" Inside Diameter, 50' Length, Discharge Hose With Couplings.....	195.00	
01 22 23 00-0982	DAY	10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	20.00	
01 22 23 00-0983	WK	10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	50.00	
01 22 23 00-0984	MO	10" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	150.00	
01 22 23 00-0985	DAY	12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	51.00	
01 22 23 00-0986	WK	12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	130.00	
01 22 23 00-0987	MO	12" Inside Diameter, 10' Length, Discharge Hose With Couplings.....	385.00	

**01 22 23 00-0988 Hydraulic Submersible Pumps (01 22 23 00-0889)**

Note: Includes delivery, set-up, and removal. Excludes operator.

**01 22 23 00-0989 Hydraulic Submersible Pumps (01 22 23 00-0888)**

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0990	DAY	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	128.73	
01 22 23 00-0991	WK	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	345.24	
01 22 23 00-0992	MO	60,000 GPH, 4" Discharge, 115' Maximum Head, Hydraulic Submersible Pump.....	965.50	
01 22 23 00-0993	DAY	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	163.84	
01 22 23 00-0994	WK	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	421.31	
01 22 23 00-0995	MO	132,000 GPH, 6" Discharge, 90' Maximum Head, Hydraulic Submersible Pump.....	1,287.33	

**01 22 23 00-0996 Hydraulic Submersible Pump Diesel Power Packs (01 22 23 00-0988)**

Note: Includes delivery, set-up, and removal. Excludes operator.

01 22 23 00-0997	DAY	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	297.45	
01 22 23 00-0998	WK	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	887.48	
01 22 23 00-0999	MO	100 HP, Hydraulic Submersible Pump Diesel Power Pack.....	2,340.60	

**01 22 23 00-1000 Temporary Building Services (01 22 23)**

**01 22 23 00-1001 Boilers (01 22 23 00-1000)**

Note: Excludes operator, delivery, set-up, and removal.

**01 22 23 00-1002 Electric Boilers (01 22 23 00-1001)**

01 22 23 00-1003	MO	40 MBH, 12 KW Electric Boiler Rental.....	2,867.55	
01 22 23 00-1004	MO	60 MBH, 20 KW Electric Boiler Rental.....	3,128.28	
01 22 23 00-1005	MO	95 MBH, 30 KW Electric Boiler Rental.....	3,258.65	
01 22 23 00-1006	MO	135 MBH, 40 KW Electric Boiler Rental.....	3,649.61	
01 22 23 00-1007	MO	165 MBH, 50 KW Electric Boiler Rental.....	5,083.39	
01 22 23 00-1008	MO	215 MBH, 60 KW Electric Boiler Rental.....	5,865.47	
01 22 23 00-1009	MO	365 MBH, 100 KW Electric Boiler Rental.....	7,690.34	
01 22 23 00-1010	MO	510 MBH, 150 KW Electric Boiler Rental.....	9,384.83	

**01 22 23 00-1011 Oil/Gas Fired Boilers (01 22 23 00-1001)**

01 22 23 00-1012	MO	Up To 100 HP, Gas/Oil Dual Fuel Boiler Rental.....	2,526.50	
01 22 23 00-1013	MO	>100 HP To 250 HP, Gas/Oil Dual Fuel Boiler Rental.....	3,284.45	
01 22 23 00-1014	MO	>250 HP To 500 HP, Gas/Oil Dual Fuel Boiler Rental.....	5,305.65	
01 22 23 00-1015	MO	>500 HP To 800 HP, Gas/Oil Dual Fuel Boiler Rental.....	7,326.85	

**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 22 23 00-1016	Oil Fired Boilers (01 22 23 00-1001)		
01 22 23 00-1017	MO 250 HP Oil Fired Boiler Rental.....	8,053.54	
01 22 23 00-1018	MO 350 HP Oil Fired Boiler Rental.....	10,738.06	
01 22 23 00-1019	MO 500 HP Oil Fired Boiler Rental.....	13,422.57	
01 22 23 00-1020	MO 600 HP Oil Fired Boiler Rental.....	14,764.83	
01 22 23 00-1021	Boilers Setup (01 22 23 00-1001)		
01 22 23 00-1022	EA Setup Rental Boiler.....	7,936.29	
	Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.		
01 22 23 00-1023	Chillers (01 22 23 00-1000)		
	Note: Excludes operator, delivery, set-up, and removal.		
01 22 23 00-1024	Air Cooled Chillers (01 22 23 00-1023)		
01 22 23 00-1025	MO 25 Ton Air Cooled Chiller Rental.....	2,542.48	
	For >3 To 6 Month Rental, Deduct	-381.37	
	For >6 Month Rental, Deduct	-635.62	
01 22 23 00-1026	MO 40 Ton Air Cooled Chiller Rental.....	4,067.98	
	For >3 To 6 Month Rental, Deduct	-610.20	
	For >6 Month Rental, Deduct	-1,017.00	
01 22 23 00-1027	MO 60 Ton Air Cooled Chiller Rental.....	4,975.60	
	For >3 To 6 Month Rental, Deduct	-746.34	
	For >6 Month Rental, Deduct	-1,243.90	
01 22 23 00-1028	MO 80 Ton Air Cooled Chiller Rental.....	5,883.22	
	For >3 To 6 Month Rental, Deduct	-882.48	
	For >6 Month Rental, Deduct	-1,470.81	
01 22 23 00-1029	MO 100 Ton Air Cooled Chiller Rental.....	6,790.84	
	For >3 To 6 Month Rental, Deduct	-1,018.63	
	For >6 Month Rental, Deduct	-1,697.71	
01 22 23 00-1030	MO 125 Ton Air Cooled Chiller Rental.....	7,867.32	
	For >3 To 6 Month Rental, Deduct	-1,180.10	
	For >6 Month Rental, Deduct	-1,966.83	
01 22 23 00-1031	MO 155 Ton Air Cooled Chiller Rental.....	9,517.53	
	For >3 To 6 Month Rental, Deduct	-1,427.63	
	For >6 Month Rental, Deduct	-2,379.38	
01 22 23 00-1032	MO 170 Ton Air Cooled Chiller Rental.....	10,177.62	
	For >3 To 6 Month Rental, Deduct	-1,526.64	
	For >6 Month Rental, Deduct	-2,544.41	
01 22 23 00-1033	MO 200 Ton Air Cooled Chiller Rental.....	11,691.60	
	For >3 To 6 Month Rental, Deduct	-1,753.74	
	For >6 Month Rental, Deduct	-2,922.90	
01 22 23 00-1034	MO 250 Ton Air Cooled Chiller Rental.....	13,911.73	
	For >3 To 6 Month Rental, Deduct	-2,086.76	
	For >6 Month Rental, Deduct	-3,477.93	
01 22 23 00-1035	MO 300 Ton Air Cooled Chiller Rental.....	16,233.54	
	Note: Includes trailer.		
	For >3 To 6 Month Rental, Deduct	-2,435.03	
	For >6 Month Rental, Deduct	-4,058.39	
01 22 23 00-1036	MO 400 Ton Air Cooled Chiller Rental.....	21,414.46	
	Note: Includes trailer, pump and 200' of 6" hose.		
	For >3 To 6 Month Rental, Deduct	-3,212.17	
	For >6 Month Rental, Deduct	-5,353.62	
01 22 23 00-1037	MO 500 Ton Air Cooled Chiller Rental.....	26,507.11	
	Note: Includes trailer, pump and 200' of 6" hose.		
	For >3 To 6 Month Rental, Deduct	-3,976.07	
	For >6 Month Rental, Deduct	-6,626.78	
01 22 23 00-1038	EA Setup Air Cooled Chiller Rental Unit.....	5,516.69	
	Note: Includes delivery, setup, installation, refrigerant charge, startup, commissioning, decommissioning, recovery of refrigerant and pickup. Excludes piping and electrical hookup. Excludes crane if off-loaded.		
01 22 23 00-1039	Chiller Rental Accessories (01 22 23 00-1023)		
01 22 23 00-1040	MO 4" x 25' Flexible Water Hose For Chiller Rental.....	45.30	
01 22 23 00-1041	MO 6" x 25' Flexible Water Hose For Chiller Rental.....	56.63	
01 22 23 00-1042	Emergency Cooler/Freezer (01 22 23 00-1000)		
	Note: Excludes utility connection, delivery, set-up, and removal. Cooler 115 Volt or 230 Volt, freezer 208/230 Volt, combo 115 Volt or 230 Volt.		
01 22 23 00-1043	DAY 8 x 6 x 7 Emergency Cooler Rental.....	142.47	
01 22 23 00-1044	WK 8 x 6 x 7 Emergency Cooler Rental.....	759.84	
01 22 23 00-1045	DAY 10 x 7 x 7 Emergency Cooler Rental.....	284.94	
01 22 23 00-1046	WK 10 x 7 x 7 Emergency Cooler Rental.....	1,139.76	
01 22 23 00-1047	MO 10 x 7 x 7 Emergency Cooler Rental.....	2,849.40	
01 22 23 00-1048	DAY 10 x 7 x 7 Emergency Freezer Rental.....	332.43	
01 22 23 00-1049	WK 10 x 7 x 7 Emergency Freezer Rental.....	1,329.72	
01 22 23 00-1050	MO 10 x 7 x 7 Emergency Freezer Rental.....	3,419.28	
01 22 23 00-1051	DAY 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	379.92	
01 22 23 00-1052	WK 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	1,519.68	
01 22 23 00-1053	MO 6 x 8 x 7 Or 6 x 6 x 7, Emergency Combo Cooler/Freezer Rental.....	3,799.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**01 22 23 00-1054 Fuel Oil Tank** (01 22 23 00-1000)  
 Note: Excludes delivery to job site and pick-up when complete. Excludes Off-road fuel costs. See CSI section 01 22 23 00-0631 for reimbursable fuel fees.

01 22 23 00-1055	MO		100 Gallon Portable Double Wall Fuel Oil Tank Rental .....	444.20	
01 22 23 00-1056	MO		275 Gallon Portable Double Wall Fuel Oil Tank Rental .....	690.98	
01 22 23 00-1057	MO		500 Gallon Portable Double Wall Fuel Oil Tank Rental .....	1,727.46	
01 22 23 00-1058	MO		1,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	2,879.10	
01 22 23 00-1059	MO		2,300 Gallon Portable Double Wall Fuel Oil Tank Rental .....	3,800.41	
01 22 23 00-1060	MO		5,000 Gallon Portable Double Wall Fuel Oil Tank Rental .....	6,789.19	

**01 22 23 00-1061 Air Handling Unit (AHU)** (01 22 23 00-1000)  
 Note: Excludes operator, delivery, set-up, and removal.

**01 22 23 00-1062 Air Handling Unit (AHU)** (01 22 23 00-1061)

01 22 23 00-1063	MO		5,000 CFM Air Handling Unit Rental .....	3,154.10	
01 22 23 00-1064	MO		10,000 CFM Air Handling Unit Rental .....	3,261.42	
01 22 23 00-1065	MO		25,000 CFM Air Handling Unit Rental .....	5,359.59	

**01 22 23 00-1066 Air Handling Unit Setup** (01 22 23 00-1061)

01 22 23 00-1067	EA		Setup Rental Air Handling Unit .....	1,113.40	
Note: Includes delivery, setup, installation, startup, commissioning, decommissioning, and pickup. Excludes piping and electrical hookup. Excludes crane.					
01 22 23 00-1068	MO		12" x 100' Flex Duct For AHU Rental .....	308.67	
Note: Includes four (4) 25' sections.					
01 22 23 00-1069	MO		20" x 100' Flex Duct For AHU Rental .....	373.23	
Note: Includes four (4) 25' sections.					

**01 22 23 00-1070 Truck And Trailer Equipment** (01 22 23)

**01 22 23 00-1071 Trucks** (01 22 23 00-1070)  
 Note: Includes driver, delivery, and removal.

**01 22 23 00-1072 Flat Bed Trucks** (01 22 23 00-1071)  
 Note: Includes hydraulic tilt bed.

01 22 23 00-1073	DAY		1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,293.98	
For Equipment Without Operator, Deduct				-1,018.27	
01 22 23 00-1074	WK		1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	5,814.14	
For Equipment Without Operator, Deduct				-5,091.34	
01 22 23 00-1075	MO		1-1/2 Ton Capacity, 8' To 10' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	23,888.11	
For Equipment Without Operator, Deduct				-22,062.49	
01 22 23 00-1076	DAY		3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,413.20	
For Equipment Without Operator, Deduct				-1,018.27	
01 22 23 00-1077	WK		3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	6,119.65	
For Equipment Without Operator, Deduct				-5,091.34	
01 22 23 00-1078	MO		3 Ton Capacity, 12' To 16' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	24,670.51	
For Equipment Without Operator, Deduct				-22,062.49	
01 22 23 00-1079	DAY		6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	1,498.74	
For Equipment Without Operator, Deduct				-1,018.27	
01 22 23 00-1080	WK		6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	6,446.62	
For Equipment Without Operator, Deduct				-5,091.34	
01 22 23 00-1081	MO		6-1/2 Ton Capacity, 16' To 22' Bed, 4 x 2 Flat Bed Truck With Full-Time Truck Driver .....	25,914.92	
For Equipment Without Operator, Deduct				-22,062.49	

**01 22 23 00-1082 Light Duty Trucks** (01 22 23 00-1071)

01 22 23 00-1083	DAY		1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	1,225.18	
For Equipment Without Operator, Deduct				-992.64	
01 22 23 00-1084	WK		1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	5,726.24	
For Equipment Without Operator, Deduct				-4,963.20	
01 22 23 00-1085	MO		1/2 To 3/4 Ton, 4 x 2 Light Duty Conventional Pickup Truck With Full-Time Truck Driver .....	23,105.93	
For Equipment Without Operator, Deduct				-21,507.19	
01 22 23 00-1086	DAY		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	1,268.79	
For Equipment Without Operator, Deduct				-992.64	
01 22 23 00-1087	WK		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	5,857.04	
For Equipment Without Operator, Deduct				-4,963.20	
01 22 23 00-1088	MO		3/4 Ton, 4 x 4 Crew Cab Pickup Truck With Full-Time Truck Driver .....	23,396.61	
For Equipment Without Operator, Deduct				-21,507.19	

**01 22 23 00-1089 Rear Dump Trucks** (01 22 23 00-1071)

01 22 23 00-1090	DAY		4 CY Rear Dump Truck With Full-Time Truck Driver .....	1,529.22	
For Equipment Without Operator, Deduct				-1,018.27	
01 22 23 00-1091	WK		4 CY Rear Dump Truck With Full-Time Truck Driver .....	6,499.05	
For Equipment Without Operator, Deduct				-5,091.34	
01 22 23 00-1092	MO		4 CY Rear Dump Truck With Full-Time Truck Driver .....	25,712.11	
For Equipment Without Operator, Deduct				-22,062.49	
01 22 23 00-1093	DAY		6 CY Rear Dump Truck With Full-Time Truck Driver .....	1,602.21	
For Equipment Without Operator, Deduct				-1,018.27	
01 22 23 00-1094	WK		6 CY Rear Dump Truck With Full-Time Truck Driver .....	6,655.46	
For Equipment Without Operator, Deduct				-5,091.34	
01 22 23 00-1095	MO		6 CY Rear Dump Truck With Full-Time Truck Driver .....	25,816.39	
For Equipment Without Operator, Deduct				-22,062.49	
01 22 23 00-1096	DAY		13 CY Rear Dump Truck With Full-Time Truck Driver .....	2,467.69	
For Equipment Without Operator, Deduct				-1,018.27	



**01 General Requirements**  
**01 20 Price and Payment Procedures**  
**01 22 Unit Prices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 22 23 00-1097	WK		13 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	8,438.57 -5,091.34	
01 22 23 00-1098	MO		13 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	30,821.59 -22,062.49	
01 22 23 00-1099	DAY		18 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	2,612.63 -1,018.27	
01 22 23 00-1100	WK		18 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	8,773.29 -5,091.34	
01 22 23 00-1101	MO		18 CY Rear Dump Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	31,697.50 -22,062.49	
<b>01 22 23 00-1102</b>			<b>Vacuum Trucks</b> (01 22 23 00-1071)		
01 22 23 00-1103	DAY		5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	2,457.27 -1,018.27	
01 22 23 00-1104	WK		5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	9,425.01 -5,091.34	
01 22 23 00-1105	MO		5,000 Gallon Vacuum Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	34,850.78 -22,062.49	
<b>01 22 23 00-1106</b>			<b>Water Trucks</b> (01 22 23 00-1071) Note: Includes pump and 1-1/2" Diameter x 50' water hose. See CSI section 01 22 23 00-0966 for additional discharge hose, 01 22 23 00-1134 for water trailer.		
01 22 23 00-1107	DAY		2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	1,724.19 -1,018.27 14.81	
01 22 23 00-1108	WK		2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	6,950.25 -5,091.34 14.81	
01 22 23 00-1109	MO		2,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	26,454.85 -22,062.49 14.81	
01 22 23 00-1110	DAY		3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	2,069.30 -1,018.27 14.81	
01 22 23 00-1111	WK		3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	7,985.59 -5,091.34 14.81	
01 22 23 00-1112	MO		3,700 To 4,000 Gallon Water Truck With Full-Time Driver ..... <i>For Equipment Without Operator, Deduct</i> <i>For Each 1,000 Gallon Of Purchased Water, Add</i>	29,121.64 -22,062.49 14.81	
<b>01 22 23 00-1113</b>			<b>Asphalt Distribution Trucks</b> (01 22 23 00-1071)		
01 22 23 00-1114	DAY		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	2,295.46 -1,018.27	
01 22 23 00-1115	WK		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	8,906.51 -5,091.34	
01 22 23 00-1116	MO		3,000 Gallon Asphalt Prime Coat Distribution Truck With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	33,341.08 -22,062.49	
<b>01 22 23 00-1117</b>			<b>Traffic Control Truck With Mounted Impact Attenuators/Crash Cushions And Arrow Board</b> (01 22 23 00-1071)		
01 22 23 00-1118	DAY		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	1,738.05 -992.64	
01 22 23 00-1119	WK		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	7,163.12 -4,963.20	
01 22 23 00-1120	MO		Traffic Control Truck With Mounted Impact Attenuator/Crash Cushion And Arrow Board With Full-Time Truck Driver ..... <i>For Equipment Without Operator, Deduct</i>	26,849.62 -21,507.19	
<b>01 22 23 00-1121</b>			<b>Truck Mounted Accessories</b> (01 22 23 00-1070) Note: Includes delivery to job site and pick-up when complete.		
<b>01 22 23 00-1122</b>			<b>Truck Mounted Arrow Boards</b> (01 22 23 00-1121)		
01 22 23 00-1123	DAY		Truck Mounted Arrow Board .....	55.92	
01 22 23 00-1124	WK		Truck Mounted Arrow Board .....	222.39	
01 22 23 00-1125	MO		Truck Mounted Arrow Board .....	792.98	
<b>01 22 23 00-1126</b>			<b>Snow Removal Equipment</b> (01 22 23 00-1121) See CSI section 01 22 23 00-1071 for truck information.		
01 22 23 00-1127	DAY		One Way Type Snow Plow Attachment For Trucks .....	158.67	
01 22 23 00-1128	DAY		Reversible Type Snow Plow Attachment For Trucks .....	169.93	
01 22 23 00-1129	DAY		V Type Snow Plow Attachment For Trucks .....	176.17	
01 22 23 00-1130	DAY		Slide-In, V-Box Hopper, 10 CY Salt/Sand Spreader Attachment For Dump Body Trucks .....	72.86	
01 22 23 00-1131	DAY		Tailgate Mounted, Salt/Sand Spreader Attachment For Pickup Trucks .....	49.14	
01 22 23 00-1132	DAY		Salt/Sand Spreader Attachment For Pickup Trucks .....	49.37	
<b>01 22 23 00-1133</b>			<b>Trailers</b> (01 22 23 00-1070) Note: Includes delivery to job site and pick-up when complete.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 22 23 00-1134			Water Trailers With Pump (01 22 23 00-1133)		
01 22 23 00-1135	DAY		500 To 600 Gallon Water Trailer With Pump	180.40	
01 22 23 00-1136	WK		500 To 600 Gallon Water Trailer With Pump	462.77	
01 22 23 00-1137	MO		500 To 600 Gallon Water Trailer With Pump	1,239.27	

**01 30 Administrative Requirements (01)**

**01 35 Special Procedures (01 30)**

**01 35 29 Health, Safety, and Emergency Response Procedures (01 35)**  
See CSI section 02 90 00 00-0000 for disaster recovery task.

**01 35 29 00-0001 Emergency Response (01 35 29)**  
See CSI section 01 22 20 00-0001 for labor services to load and unload shipping container, 01 22 20 00-0081 for security guards, 01 22 23 00-0000 for portable equipment usage (air compressors, generators, lighting, etc.), 01 52 13 00-0028 for container usage.

01 35 29 00-0002	MI		Trucking Delivery Of 20' Shipping Container	2.68	
01 35 29 00-0003	MI		Trucking Delivery Of 40' Shipping Container	5.35	

**01 35 33 Infection Control Procedures (01 35)**  
See CSI section 02 87 19 00-0000 for Bio-Hazard And Infectious Disease Control Remediation.

**01 40 Quality Requirements (01)**

**01 41 Regulatory Requirements (01 40)**

**01 41 26 Permit Requirements (01 41)**  
See CSI section 01 22 16 00-0001 for reimbursable fees.

**01 42 References (01 40)**

**01 42 13 Abbreviations and Acronyms (01 42)**  
Note: For specification publishing. Review specifications for requirements.

01 42 13 00-0001	NTE		Abbreviations And Acronyms	0.00	
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Note: For specification publishing. Review specifications for requirements.

**01 42 16 Definitions (01 42)**  
Note: For specification publishing. Review specifications for requirements.

01 42 16 00-0001	NTE		Definitions	0.00	
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Note: For specification publishing. Review specifications for requirements.

**01 42 19 Reference Standards (01 42)**  
Note: For specification publishing. Review specifications for requirements.

01 42 19 00-0001	NTE		Reference Standards	0.00	
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Note: For specification publishing. Review specifications for requirements.

**01 42 21 Construction Suppliers or Vendor List (01 42)**  
Note: For specification publishing. Review specifications for requirements.

01 42 21 00-0001	NTE		Construction Suppliers or Vendor List	0.00	
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Note: For specification publishing. Review specifications for requirements.

**01 45 Quality Control (01 40)**

Note: Refer to section specifications for testing included with other sections.

**01 45 23 Testing and Inspecting Services (01 45)**  
Note: Includes collecting and shipping samples for testing, equipment for field tests, and test reports.

**01 45 23 00-0001 Concrete/Cement/Asphalt Testing (01 45 23)**

**01 45 23 00-0002 Concrete Testing (01 45 23 00-0001)**

01 45 23 00-0003	EA		Prepare 6 x 12 Concrete Cylinder And Deliver To Lab	31.50	
01 45 23 00-0004	EA		6 x 12 Cylinder Concrete Compression Test, ASTM C-39 Or ASTM D1633	71.90	
01 45 23 00-0005	EA		Concrete Cores Compression Test, ASTM C-42	147.08	
01 45 23 00-0006	EA		6 x 6 x 18 Concrete Flexural Test, ASTM C-78	214.96	
01 45 23 00-0007	EA		Unit Weight Of Concrete Cylinder, ASTM C-567	79.19	
01 45 23 00-0008	EA		Concrete Mix Design Review	429.91	
01 45 23 00-0009	EA		Trial Concrete Batch Prepared In Laboratory	1,018.22	
01 45 23 00-0010	EA		Concrete Shrinkage, ASTM C-157 Modified	791.94	
01 45 23 00-0011	EA		6 x 12 Concrete Cylinder Splitting Tensile Test, ASTM C-496	122.19	
01 45 23 00-0012	EA		Concrete Slump Test, ASTM C143	56.57	
01 45 23 00-0013	EA		Concrete Air Content Test, ASTM C138, ASTM C173, Or ASTM C231	56.57	

**01 45 23 00-0014 Cement Testing (01 45 23 00-0001)**

01 45 23 00-0015	EA		Cement Grab Sample (CCR Title 24)	56.57	
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Note: Includes sealing and storing 1 year.

01 45 23 00-0016	EA		2" x 2" x 2" Cube Compression Test, All Type Materials	90.51	
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**01 45 23 00-0017 Asphaltic Concrete Testing (01 45 23 00-0001)**

**01 General Requirements****01 40 Quality Requirements****01 45 Quality Control**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 45 23 00-0018	EA		Hveem Asphaltic Concrete Stability Test, CA 366.....	113.14	
01 45 23 00-0019	EA		Marshall Asphaltic Concrete Stability Test (3 Specimens), ASTM D-6926/6927.....	294.15	
01 45 23 00-0020	EA		Stability Tests, Premixed, ASTM D1559.....	113.14	
01 45 23 00-0021	EA		Stability Tests, Lab. Mixed, ASTM D1559.....	294.15	
01 45 23 00-0022	EA		Swell Test, CA 305.....	135.76	
			Note: Includes compaction.		
01 45 23 00-0023	EA		% Asphalt Extraction Test, ASTM D-2172 B.....	339.40	
01 45 23 00-0024	EA		Gradation On Extracted Sample, ASTM D-5444.....	226.27	
01 45 23 00-0025	EA		Maximum Theoretical Unit Weight, ASTM C2041.....	215.71	
01 45 23 00-0026	EA		Unit Weight Sample Requiring Compaction, California Test Method 308.....	45.25	
01 45 23 00-0027	EA		Asphalt Unit Weight On Core Test, CA 308C.....	45.25	
01 45 23 00-0028	HR		Nuclear Field Density Testing, 4 Hour Minimum.....	233.06	
01 45 23 00-0029	EA		Asphalt Film Stripping Test, CTM 302/AASHTO T182/ASTM D1664.....	116.26	
01 45 23 00-0030	EA		Penetration, ASTM D5.....	163.44	
<b>01 45 23 00-0031</b>			<b>Soils/Aggregate Testing (01 45 23)</b>		
<b>01 45 23 00-0032</b>			<b>Field Soils Tests (01 45 23 00-0031)</b>		
01 45 23 00-0033	EA		Plasticity Index Soils Test, ASTM D-4318, Field Soils Test.....	350.72	
01 45 23 00-0034	EA		4" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	497.79	
01 45 23 00-0035	EA		6" Compaction Curves Soils Test, ASTM D-1557, Field Soils Test.....	565.68	
01 45 23 00-0036	EA		Resistance (R) Value Soils Test, CA 301, Field Soils Test.....	452.54	
01 45 23 00-0037	EA		Soils Classification Test, ASTM D-2487, Field Soils Test.....	678.81	
01 45 23 00-0038	SET		Cement Treated Base Laboratory Design, Soil Cement, Field Soils Test.....	1,357.19	
01 45 23 00-0039	EA		Moisture Content, Field Soils Test.....	50.89	
01 45 23 00-0040	EA		UBC Or Swell Test, Field Soils Test.....	135.76	
01 45 23 00-0041	EA		Proctor Compaction 4" Standard Mold ASTM D698, Field Soils Test.....	339.30	
01 45 23 00-0042	EA		Proctor Compaction 6" Standard Mold, Field Soils Test.....	424.12	
01 45 23 00-0043	EA		Density And Classification Test, Field Soils Test.....	103.34	
01 45 23 00-0044	EA		Percolation Test, Field Soils Test.....	258.36	
01 45 23 00-0045	EA		Infiltration Test, Field Soils Test.....	516.71	
<b>01 45 23 00-0046</b>			<b>Aggregate Testing (01 45 23 00-0031)</b>		
01 45 23 00-0047	EA		Coarse Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	113.14	
01 45 23 00-0048	EA		Fine Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	203.64	
01 45 23 00-0049	EA		Combined Aggregate Sieve Analysis Test, ASTM C-136, CA 202.....	282.84	
01 45 23 00-0050	EA		Sieve Analysis, Pit Run, ASTM C136.....	167.93	
			Note: Includes wash.		
01 45 23 00-0051	EA		Specific Special Gravity, Course, ASTM C127.....	179.76	
			Note: Includes absorption test.		
01 45 23 00-0052	EA		Special Gravity, Fine, ASTM C127.....	161.17	
			Note: Includes absorption test.		
01 45 23 00-0053	EA		Coarse Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	239.68	
01 45 23 00-0054	EA		Fine Aggregate Bulk SSD Specific Gravity Test, ASTM C-128.....	226.27	
01 45 23 00-0055	EA		Aggregate Cleanness Value, ASTM C-128, CA 227.....	226.27	
01 45 23 00-0056	EA		Sand Equivalent, Average of 3 Tests, ASTM D2419, CA 217.....	169.70	
01 45 23 00-0057	EA		Fine Aggregate Durability Index, CA 229.....	181.02	
01 45 23 00-0058	EA		Sodium And Magnesium Soundness, ASTM C88.....	475.02	
01 45 23 00-0059	EA		Los Angeles Rattler, ASTM C-131, CA 211.....	362.03	
01 45 23 00-0060	EA		Los Angeles Rattler, ASTM C-535.....	362.03	
01 45 23 00-0061	EA		Unit Weight Of Aggregates, ASTM C29.....	101.82	
01 45 23 00-0062	EA		Organic Impurities In Sand, ASTM C40.....	101.79	
01 45 23 00-0063	EA		Crushed Particle, ASTM California Test Method.....	101.79	
01 45 23 00-0064	EA		Clay Lump And Friable Particles, ASTM C142.....	203.58	
<b>01 45 23 00-0065</b>			<b>Permeability Tests (01 45 23 00-0031)</b>		
<b>01 45 23 00-0066</b>			<b>In-Place Tests (01 45 23 00-0065)</b>		
01 45 23 00-0067	EA		Double Ring Infiltrometer Test, ASTM D3385.....	1,797.60	
01 45 23 00-0068	EA		Unconfined Compressive Strength (Pocket Penetrometer) Test.....	84.82	
<b>01 45 23 00-0069</b>			<b>Lab Tests (01 45 23 00-0065)</b>		
01 45 23 00-0070	EA		Falling Head Rigid Wall Consolidometer Technique CAE.....	838.88	
01 45 23 00-0071	EA		Falling Head Permeability Test EPA-9100.....	838.88	
01 45 23 00-0072	EA		Constant Head Permeability Test For Granular Soils, ASTM D2432.....	479.36	
<b>01 45 23 00-0073</b>			<b>Masonry/Concrete Block/Tile Testing (01 45 23)</b>		
<b>01 45 23 00-0074</b>			<b>Masonry Testing (01 45 23 00-0073)</b>		
01 45 23 00-0075	EA		2" x 4" Cylinder Mortar Compression Test.....	74.67	
01 45 23 00-0076	EA		4" x 4" x 8" Grout Prisms Compression Test.....	74.67	
01 45 23 00-0077	EA		Masonry Cores Compression Test.....	147.08	
01 45 23 00-0078	EA		Composite Grouted Prism Compression Test.....	282.84	
<b>01 45 23 00-0079</b>			<b>Concrete Block Testing (ASTM C140 Or CMA Per Specimen) (01 45 23 00-0073)</b>		
01 45 23 00-0080	EA		Up To 8" x 8" x 16" Concrete Block Compression Test, ASTM C-140.....	181.02	
01 45 23 00-0081	EA		Absorption Test, Moisture Content And Unit Weight.....	124.45	
01 45 23 00-0082	EA		First Unit, Moisture Condition By Relative Humidity, ASTM C427.....	475.02	
01 45 23 00-0083	EA		Moisture Condition By Relative Humidity, ASTM C427, Additional Unit.....	237.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 45 23 00-0084			<b>Metals Testing</b> (01 45 23)		
01 45 23 00-0085			<b>Tank Tightness Testing</b> (01 45 23 00-0084)		
			Note: Includes reporting. Excludes retesting, replacement/installation of, gaskets, nuts/bolts, or any re-piping required to pass the system.		
01 45 23 00-0086	GAL		Up To 20 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks .....	10.61	
01 45 23 00-0087	GAL		>20 To 120 Gallon, Hydrostatic Pressure Testing Of Air Receiving Tanks .....	9.10	
01 45 23 00-0088	EA		Up To 12,000 Gallons, Tank Volumetric Tightness Testing .....	2,731.17	
01 45 23 00-0089	EA		>12,000 To 29,999 Gallons, Tank Volumetric Tightness Testing .....	3,337.03	
01 45 23 00-0090	EA		>29,999 Gallons, Tank Volumetric Tightness Testing .....	4,249.85	

01 45 23 00-0091			<b>Other Testing</b> (01 45 23)		
01 45 23 00-0092			<b>Special Testing</b> (01 45 23 00-0091)		
01 45 23 00-0093	EA		Asphalt Roofing Cut-out Samples, To Determine Unit Weight.....	169.65	
01 45 23 00-0094	EA		Complete Built-Up Roof Analysis, ASTM D2829 Or ASTM D3617 .....	1,017.89	
01 45 23 00-0095	EA		Bacteria Test (Total Coliform Bacteria And E. Coli Bacteria).....	52.88	
01 45 23 00-0096	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Caulk, Analysis Per Sample.....	219.33	
01 45 23 00-0097	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Soil, Analysis Per Sample.....	219.33	
01 45 23 00-0098	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) Using Wipe Sampling, Analysis Per Sample.....	219.33	
01 45 23 00-0099	EA		Testing For The Presence Of Polychlorinated Biphenyl (PCB) In Air, Analysis Per Sample .....	1,206.32	

01 45 23 00-0100			<b>Non-destructive Field Testing Services</b> (01 45 23 00-0091)		
01 45 23 00-0101			<b>Infrared Thermography</b> (01 45 23 00-0100)		
			Note: The following tasks use certified infrared (IR) thermographers, such as Stockton Infrared Thermographic Services, Inc. and United Infrared, Inc., to scan for specific problems and produce a report on the findings. The contractor is entitled to the mobilization charge and the appropriate square foot or hourly task.		

01 45 23 00-0102			<b>Roof Investigation And Moisture Survey Using Infrared Thermography</b> (01 45 23 00-0101)		
			Note: For on the roof surveys.		
01 45 23 00-0103	EA		Roof Investigation And Moisture Survey Using Infrared Thermography, Mobilization Charge.....	3,947.94	
01 45 23 00-0104	CSF		Up To 10,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography .....	6.58	
			<i>For CADD Drawings, Add</i>	1.32	
01 45 23 00-0105	CSF		>10,000 To 50,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography .....	4.39	
			<i>For CADD Drawings, Add</i>	0.88	
01 45 23 00-0106	CSF		>50,000 To 250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	3.29	
			<i>For CADD Drawings, Add</i>	0.66	
			<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.82	
			<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.82	
01 45 23 00-0107	CSF		>250,000 SF, Roof Investigation And Moisture Survey Using Infrared Thermography.....	2.19	
			<i>For CADD Drawings, Add</i>	0.44	
			<i>For Elevated Infrared Thermography Roof Investigation, Add</i>	0.55	
			<i>For Aerial Infrared Thermography Roof Investigation, Add</i>	0.55	

01 45 23 00-0108			<b>Building Moisture Investigation Using Infrared Thermography</b> (01 45 23 00-0101)		
			Note: For finding moisture in walls and windows.		
01 45 23 00-0109	EA		Building Moisture Investigation Using Infrared Thermography, Mobilization Charge.....	2,083.64	
01 45 23 00-0110	CSF		Up To 1,000 SF, Building Moisture Investigation Using Infrared Thermography .....	6.58	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	3.29	
01 45 23 00-0111	CSF		>1,000 To 5,000 SF, Building Moisture Investigation Using Infrared Thermography.....	4.39	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	2.20	
01 45 23 00-0112	CSF		>5,000 SF, Building Moisture Investigation Using Infrared Thermography .....	2.19	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	1.10	

01 45 23 00-0113			<b>General Building Investigation Using Infrared Thermography</b> (01 45 23 00-0101)		
			Note: For finding missing or misplaced insulation, air leakage and delamination.		
01 45 23 00-0114	EA		General Building Investigation Using Infrared Thermography, Mobilization Charge.....	4,276.94	
01 45 23 00-0115	CSF		Up To 1,000 SF, General Building Investigation Using Infrared Thermography .....	6.58	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	3.29	
01 45 23 00-0116	CSF		>1,000 To 5,000 SF, General Building Investigation Using Infrared Thermography.....	4.39	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	2.20	
01 45 23 00-0117	CSF		>5,000 SF, General Building Investigation Using Infrared Thermography .....	2.19	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	1.10	

01 45 23 00-0118			<b>Electrical /Mechanical Equipment Scanning Using Infrared Thermography</b> (01 45 23 00-0101)		
			Note: For diagnosing electrical issues such as loose connections, overloaded or imbalanced circuits, faulty breakers, damaged switches, faulty fuses, etc. For diagnosing electrical issues caused by resistance and mechanical issues caused by friction.		
01 45 23 00-0119	EA		Electrical /Mechanical Equipment Scanning Using Infrared Thermography, Mobilization Charge.....	2,083.64	
01 45 23 00-0120	HR		Electrical /Mechanical Equipment Scanning Using Infrared Thermography .....	274.38	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	41.05	

01 45 23 00-0121			<b>Concrete Block Wall Investigation Using Infrared Thermography</b> (01 45 23 00-0101)		
			Note: For investigating issues with grouted cells, bond beams and other structural components in concrete block walls.		
01 45 23 00-0122	EA		Concrete Block Wall Investigation Using Infrared Thermography, Mobilization Charge .....	2,083.64	
01 45 23 00-0123	CSF		Up To 50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography.....	6.58	
			<i>For Digital Or Analog Recording Of All Items, Add</i>	0.99	

**01 General Requirements****01 40 Quality Requirements****01 45 Quality Control**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

 01 45 23 00-0124 CSF >50,000 SF, Concrete Block Wall Investigation Using Infrared Thermography .....4.39  
 For Digital Or Analog Recording Of All Items, Add .....0.66
**01 45 23 00-0125 Other Non-destructive Field Testing Services (01 45 23 00-0100)**
 01 45 23 00-0126 HR ASNT Certified Level I NDT Consultant .....79.90  
 01 45 23 00-0127 HR ASNT Certified Level II NDT Consultant .....89.08  
 01 45 23 00-0128 HR ASNT Certified Level III NDT Consultant .....103.58  
 01 45 23 00-0129 HR Certified Industrial Radiography Radiation Safety Personnel .....99.12
**01 45 23 00-0130 Concrete Slab Moisture Testing (01 45 23 00-0091)**

01 45 23 00-0131 EA Concrete Slab, Moisture Emission Determination For Floor Covering On Existing Concrete .....161.29

**01 45 29 Testing Laboratory Services (01 45)**

Note: For application to existing materials/site conditions or additional testing over specifications stated tests.

**01 45 29 00-0001 Soil Borings Laboratory Tests (01 45 29)**

See CSI section 02 32 13 00-0000 for soil borings.

 01 45 29 00-0002 EA Atterberg Limits - Liquid Limits (LL) And Plastic Limits (PL), T89, T90, ASTM D4318, Soil Borings Laboratory Test .....155.79  
 01 45 29 00-0003 EA Shrinkage Limit, Soil Borings Laboratory Test .....49.70  
 01 45 29 00-0004 EA Unconfined Compressive Strength of Cohesive Soils, Soil Borings Laboratory Test .....119.84  
 01 45 29 00-0005 EA Consolidation, Soil Borings Laboratory Test .....838.88  
 01 45 29 00-0006 EA Swell Test, Soil Borings Laboratory Test .....131.52  
 01 45 29 00-0007 EA In Place Density, Soil Borings Laboratory Test .....35.95  
 01 45 29 00-0008 EA Moisture Content, ASTM D2216, Soil Borings Laboratory Test .....22.33  
 01 45 29 00-0009 EA Hydrometer Analysis, Soil Borings Laboratory Test .....288.36  
 01 45 29 00-0010 EA Specific Gravity, ASTM D854, Soil Borings Laboratory Test .....100.53  
 01 45 29 00-0011 EA Partial Sieve Analysis, Soil Borings Laboratory Test .....19.88  
 01 45 29 00-0012 EA Laboratory Permeability, Soil Borings Laboratory Test .....994.07  
 01 45 29 00-0013 EA Sieve Analysis, ASTM D422, Soil Borings Laboratory Test .....201.06  
 01 45 29 00-0014 EA Sulfate Soundness, Soil Borings Laboratory Test .....248.52  
 01 45 29 00-0015 EA Los Angeles Abrasion, Soil Borings Laboratory Test .....460.02  
 01 45 29 00-0016 EA Soil Bearing Ratio, ASTM D1883 .....509.11  
 01 45 29 00-0017 EA Compaction Test Subgrade, Soil Borings Laboratory Test .....149.11  
 01 45 29 00-0018 EA Compaction Test Base Course, Soil Borings Laboratory Test .....165.68  
 01 45 29 00-0019 EA In Place Density And Water Content Test By Nuclear Methods, ASTM D6938, Soil Borings Laboratory Test .....355.59  
 01 45 29 00-0020 EA Field Density Sand Cone, AASHTO T-191, ASTM D1556, Soil Borings Laboratory Test .....76.21
**01 50 Temporary Facilities and Controls (01)**

Note: Tasks in this section shall be used as directed by owner.

**01 51 Temporary Utilities (01 50)****01 51 13 Temporary Electricity (01 51)****01 51 13 00-0001 Temporary Disconnect Switch With Fuses (01 51 13)**

Note: Includes all connections and removal after use.

 01 51 13 00-0002 EA Temporary 100 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses .....1,804.45  
 01 51 13 00-0003 EA Temporary 200 Amperes, NEMA 1 Or 3R, Disconnect Switch With Fuses .....2,818.29
**01 51 13 00-0004 Temporary Panelboard Complete With GFCI Circuit Breakers (01 51 13)**

Note: Includes all connections, pigtails and removal after use.

 01 51 13 00-0005 EA Temporary 100 Amperes, Panelboard Complete With GFCI Circuit Breakers .....1,794.70  
 01 51 13 00-0006 EA Temporary 200 Amperes, Panelboard Complete With GFCI Circuit Breakers .....2,579.28
**01 51 13 00-0007 Temporary Conduit And Cable For Temporary Disconnect Switches And Temporary Panelboards (01 51 13)**

Note: Includes all connections, fittings, supports and removal after use.

 01 51 13 00-0008 LF Temporary SER Cable (Conduit As Required) For Temporary Disconnect Switches And Temporary Panelboards .....12.08  
 01 51 13 00-0009 LF Temporary Branch Circuit Conduit And Wiring For Temporary Disconnect Switches And Temporary Panelboards .....13.23
**01 51 26 Temporary Lighting (01 51)****01 51 26 00-0001 Temporary Lighting Devices (01 51 26)**

Note: Includes removal after use.

 01 51 26 00-0002 EA Temporary Exit Light .....339.18  
 01 51 26 00-0003 EA Temporary 10 Light String With Cages .....127.82  
 01 51 26 00-0004 EA Temporary High Bay Light .....488.52
**01 52 Construction Facilities (01 50)**

Note: Tasks in this section shall be used as directed by owner for owner's use.

**01 52 13 Field Offices and Sheds (01 52)****01 52 13 00-0001 Field Offices and Office Trailers (01 52 13)**

Note: Includes toilet, central HVAC, interior doors and partitions. Excludes furniture, utility connections, or service. For Loss Damage Waiver or General Liability Insurance when requested use Reimbursable Fees. Minimum 6 months rental. See CSI section 01 52 13 00-0015 for furniture, skirting, and steps.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0002 MO 8' x 24' Mobile Office, With Toilet.....	243.93	
For Each Delivery And Removal, Two Round Trips, Add	1,365.91	
For Each Set-Up (Block And Level), Add	939.70	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,017.54	
For Office Trailer Without Toilet, Deduct	-48.79	
01 52 13 00-0003 MO 8' x 32' Mobile Office, With Toilet.....	276.44	
For Each Delivery And Removal, Two Round Trips, Add	1,365.91	
For Each Set-Up (Block And Level), Add	939.70	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,017.54	
For Office Trailer Without Toilet, Deduct	-55.29	
01 52 13 00-0004 MO 10' x 36' Mobile Office, With Toilet.....	374.02	
For Each Delivery And Removal, Two Round Trips, Add	2,625.56	
For Each Set-Up (Block And Level), Add	1,466.40	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,522.86	
For Office Trailer Without Toilet, Deduct	-74.80	
01 52 13 00-0005 MO 10' x 40' Mobile Office, With Toilet.....	398.41	
For Each Delivery And Removal, Two Round Trips, Add	2,625.56	
For Each Set-Up (Block And Level), Add	1,466.40	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,522.86	
For Office Trailer Without Toilet, Deduct	-79.68	
01 52 13 00-0006 MO 10' x 44' Mobile Office, With Toilet.....	439.06	
For Each Delivery And Removal, Two Round Trips, Add	2,625.56	
For Each Set-Up (Block And Level), Add	1,466.40	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,522.86	
01 52 13 00-0007 MO 10' x 50' Mobile Office, With Toilet.....	463.46	
For Each Delivery And Removal, Two Round Trips, Add	2,625.56	
For Each Set-Up (Block And Level), Add	1,466.40	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,522.86	
01 52 13 00-0008 MO 12' x 32' Mobile Office, With Toilet.....	376.49	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,522.86	
For Each Delivery And Removal, Two Round Trips, Add	934.17	
For Each Set-Up (Block And Level), Add	568.52	
01 52 13 00-0009 MO 12' x 44' Mobile Office, With Toilet.....	503.36	
For Each Delivery And Removal, Two Round Trips, Add	2,625.56	
For Each Set-Up (Block And Level), Add	1,466.40	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,522.86	
01 52 13 00-0010 MO 12' x 50' Mobile Office, With Toilet.....	599.24	
For Each Delivery And Removal, Two Round Trips, Add	2,625.56	
For Each Set-Up (Block And Level), Add	1,466.40	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,522.86	
01 52 13 00-0011 MO 12' x 60' Mobile Office, With Toilet.....	828.52	
For Each Delivery And Removal, Two Round Trips, Add	2,625.56	
For Each Set-Up (Block And Level), Add	1,466.40	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	1,522.86	
01 52 13 00-0012 MO 24' x 60' Modular Office, With Toilet .....	1,300.91	
For Each Delivery And Removal, Two Round Trips, Add	4,097.75	
For Each Set-Up (Block And Level), Add	2,659.91	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	3,052.62	
01 52 13 00-0013 MO 24' x 72' Modular Office, With Toilet .....	1,561.10	
For Each Delivery And Removal, Two Round Trips, Add	4,097.75	
For Each Set-Up (Block And Level), Add	2,659.91	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	3,052.62	
01 52 13 00-0014 MO 30' x 30' Modular Office, With Toilet .....	816.12	
For Each Delivery And Removal, Two Round Trips, Add	4,097.75	
For Each Set-Up (Block And Level), Add	2,659.91	
For Each Anchoring Into Dirt, Add Per Each Anchor	261.18	
For Each Anchoring Into Asphalt Or Concrete, Add Per Each Anchor	360.03	
For Knockdown, Add	3,052.62	
<b>01 52 13 00-0015 Accessories For Field Office Trailers (01 52 13)</b>		
Note: Costs includes installation or placement in trailer.		
01 52 13 00-0016 MO Desk For Field Office Trailer .....	40.86	
01 52 13 00-0017 MO Rolling Desk Chair For Field Office Trailer .....	25.54	
01 52 13 00-0018 MO File Cabinet For Field Office Trailer .....	30.65	
01 52 13 00-0019 MO Table For Field Office Trailer .....	20.43	
01 52 13 00-0020 MO Folding Chair For Field Office Trailer .....	9.68	



**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 52 Construction Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 52 13 00-0021	MO		Security System With Monitoring For Field Office Trailer.....	128.75	
01 52 13 00-0022	LF		Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	13.42	
01 52 13 00-0023	LF		Insulated Perimeter Trailer Vinyl Skirting For Field Office Trailer.....	31.79	
01 52 13 00-0024	MO		Steps For Field Office Trailer.....	85.52	
01 52 13 00-0025	MO		Steps With Canopy For Field Office Trailer.....	144.21	
01 52 13 00-0026	MO		Fax Machine For Field Office Trailer.....	43.78	
01 52 13 00-0027	MO		Copier For Field Office Trailer.....	81.72	
<b>01 52 13 00-0028</b>			<b>Storage Containers (01 52 13)</b>		
01 52 13 00-0029	MO		8' x 8' x 10' Storage Container.....	175.49	
			For Each Delivery And Removal, Two Round Trips, Add	122.08	
			For >12 Months, Deduct	-52.65	
01 52 13 00-0030	MO		8' x 8' x 20' Storage Container.....	183.47	
			For Each Delivery And Removal, Two Round Trips, Add	134.29	
			For >12 Months, Deduct	-55.04	
01 52 13 00-0031	MO		8' x 8' x 40' Storage Container.....	216.97	
			For Each Delivery And Removal, Two Round Trips, Add	270.46	
			For >12 Months, Deduct	-65.09	
<b>01 52 19</b>			<b>Sanitary Facilities (01 52)</b>		
<b>01 52 19 00-0001</b>			<b>Portable Toilets (01 52 19)</b>		
			Note: Includes set-up, servicing once per week (unless task states otherwise) and removal.		
01 52 19 00-0002	WK		Portable Chemical Toilet.....	56.00	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery And Set-up, Add	35.00	
01 52 19 00-0003	MO		Portable Chemical Toilet.....	167.99	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery And Set-up, Add	35.00	
01 52 19 00-0004	WK		Americans With Disabilities Act Compliant Portable Chemical Toilet.....	66.79	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery And Set-up, Add	35.00	
01 52 19 00-0005	MO		Americans With Disabilities Act Compliant Portable Chemical Toilet.....	195.98	
			For Each Additional Servicing Per Unit Per Week, Add	25.00	
			For Each Delivery And Set-up, Add	35.00	
01 52 19 00-0006	WK		Two Station Portable Handwash.....	55.93	
			For Each Delivery And Set-up, Add	35.00	
01 52 19 00-0007	MO		Two Station Portable Handwash.....	169.65	
			For Each Delivery And Set-up, Add	35.00	
<b>01 53</b>			<b>Temporary Construction (01 50)</b>		
<b>01 53 16</b>			<b>Temporary Decking (01 53)</b>		
<b>01 53 16 00-0001</b>			<b>Temporary Walkways And Railings (01 53 16)</b>		
			Note: Includes removal after use.		
01 53 16 00-0002	SF		Temporary Wood Walkway, 3/4" Plywood On 2 x 6 Stringers.....	8.47	
01 53 16 00-0003	LF		Temporary Wooden Guardrail, 42" High, Posts, Handrail, And Intermediate Rail.....	38.26	
01 53 16 00-0004	LF		Temporary Wood Guardrail Base, 12" x 12" Timber Beam.....	15.70	
01 53 16 00-0005	RSR		Temporary Wood Stairs, Tread And Riser On 2" x 12" Stringers.....	28.85	
<b>01 53 23</b>			<b>Temporary Ramps (01 53)</b>		
<b>01 53 23 00-0001</b>			<b>Temporary Plywood For Wheel Barrow Access (01 53 23)</b>		
			Note: Includes removal after use.		
01 53 23 00-0002	SF		Temporary Plywood For Wheel Barrow Access.....	1.85	0.59
<b>01 54</b>			<b>Construction Aids (01 50)</b>		
<b>01 54 23</b>			<b>Temporary Scaffolding and Platforms (01 54)</b>		
<b>01 54 23 00-0001</b>			<b>Scaffolding (01 54 23)</b>		
			Note: Additional scaffolding rental for work above the normal working height.		
<b>01 54 23 00-0002</b>			<b>Scaffolding Rental - Rental Only (01 54 23 00-0001)</b>		
			Note: Monthly rental of actual scaffolding volume rented. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps and building ties, etc. See CSI section 01 54 23 00-0006 for scaffolding erection and dismantling.		
01 54 23 00-0003	CCF		Scaffolding With Bracing Accessories - Area Based On 5' Wide Sections (CCF / Month).....	31.45	
			For Up To 25, Add	12.58	
			For >25 To 50, Add	7.86	
			For >50 To 150, Add	3.15	
01 54 23 00-0004	CCF		Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month).....	35.37	
			For Up To 25, Add	14.15	
			For >25 To 50, Add	8.84	
			For >50 To 150, Add	3.54	
01 54 23 00-0005	CCF		Scaffolding With Bracing Accessories - Area Based On 3' Wide Sections (CCF / Month).....	47.18	
			For Up To 25, Add	18.87	
			For >25 To 50, Add	11.80	
			For >50 To 150, Add	4.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 54 23 00-0006</b>	<b>Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small>				
	Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0002 for scaffolding rental.				
01 54 23 00-0007	CCF	Up To 20' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	56.90	
01 54 23 00-0008	CCF	>20' To 40' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	74.61	
01 54 23 00-0009	CCF	>40' To 60' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	99.57	
01 54 23 00-0010	CCF	>60' To 80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	109.52	
01 54 23 00-0011	CCF	>80' Height Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	126.12	

<b>01 54 23 00-0012</b>	<b>Heavy Duty Masonry Scaffolding Rental - Rental Only</b> <small>(01 54 23 00-0001)</small>				
	Note: Monthly rental of actual scaffolding volume rented. For projects over 2 stories. Scaffolding is complete with bracing, 2" thick x 12" wide scaffolding planks, scaffolding stairs (where necessary in lieu of planks), standard accessories, base leveling devices, mud sills, climbing ladders and landings, brackets, clamps, flat plate, connectors and building ties, etc. See CSI section 01 54 23 00-0018 for erection.				
01 54 23 00-0013	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 4' Wide Sections (CCF / Month)	.....	69.81	
01 54 23 00-0014	CCF	Heavy Duty Masonry Scaffolding With Bracing Accessories - Area Based On 2' Wide Sections (CCF / Month)	.....	127.98	
01 54 23 00-0015	LF	Aluminum Joists (LF / Month)	.....	11.35	
01 54 23 00-0016	LF	Aluminum Stringers (LF / Month)	.....	16.27	
01 54 23 00-0017	EA	Screw Jack With U-Plate For Stringers (EA / Month)	.....	20.51	

<b>01 54 23 00-0018</b>	<b>Heavy Duty Masonry Scaffolding Erection And Dismantling - Labor Only</b> <small>(01 54 23 00-0001)</small>				
	Note: Includes both initial erection and final dismantling Excludes lifting equipment. The unit of measure is the volume of scaffolding erected. See CSI section 01 54 23 00-0012 for scaffolding rental.				
01 54 23 00-0019	CCF	Up To 20' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	106.21	
01 54 23 00-0020	CCF	>20' To 40' Height Heavy Duty Masonry Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	132.76	
01 54 23 00-0021	CCF	>40' To 60' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	159.31	
01 54 23 00-0022	CCF	>60' To 80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	172.58	
01 54 23 00-0023	CCF	>80' Height Heavy Duty Scaffolding Initial Erection And Final Dismantling, Per CCF Of Scaffolding And Accessories	.....	192.50	

<b>01 54 23 00-0024</b>	<b>Scaffolding Accessories</b> <small>(01 54 23 00-0001)</small>				
	See CSI section 01 54 23 00-0018 for erection.				
01 54 23 00-0025	CSF	Netting for Exterior Building Scaffolding	.....	45.23	
	Note: Includes removal after use.				

<b>01 54 23 00-0026</b>	<b>Rolling Scaffolding</b> <small>(01 54 23)</small>				
	Note: Includes moving and relocating scaffolding on site. Excludes initial erection and final dismantling of scaffold.				
01 54 23 00-0027	DAY	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	.....	11.65	
01 54 23 00-0028	WK	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	.....	46.69	
01 54 23 00-0029	MO	>14' To 20', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	.....	186.74	
01 54 23 00-0030	DAY	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	.....	19.50	
01 54 23 00-0031	WK	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	.....	78.12	
01 54 23 00-0032	MO	>20' To 40', Rolling Scaffolding, Complete With Wheels, Railings, Etc., (5' Wide X 7' Long Section)	.....	312.52	
01 54 23 00-0033	EA	>14' To 20', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	.....	153.96	
01 54 23 00-0034	EA	>20' To 40', Rolling Scaffolding Initial Erection And Final Dismantling For Each Scaffold	.....	192.45	

<b>01 54 23 00-0035</b>	<b>Shoring Posts</b> <small>(01 54 23)</small>				
01 54 23 00-0036	DAY	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	.....	2.13	
01 54 23 00-0037	WK	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	.....	8.53	
01 54 23 00-0038	MO	6'-6" To 11' Extension, 5,000 LB Capacity, Steel Shoring Post	.....	25.58	
01 54 23 00-0039	EA	Initial Erection And Final Dismantling For Each Shoring Post	.....	12.33	
		For >20 To 50, Deduct		-1.85	
		For >50 To 100, Deduct		-4.32	
		For >100, Deduct		-6.78	

<b>01 54 23 00-0040</b>	<b>Temporary Lumber, Single Use</b> <small>(01 54 23)</small>				
	Note: Includes removal after use.				
01 54 23 00-0041	SF	5/16" CD Grade Plywood, Temporary Lumber	.....	2.90	
01 54 23 00-0042	SF	1/2" CD Grade Plywood, Temporary Lumber	.....	3.35	
01 54 23 00-0043	SF	5/8" CD Grade Plywood, Temporary Lumber	.....	3.63	
01 54 23 00-0044	SF	3/4" CD Grade Plywood, Temporary Lumber	.....	3.99	
01 54 23 00-0045	SF	1" CD Grade Plywood, Temporary Lumber	.....	5.86	
01 54 23 00-0046	LF	2" x 4" Temporary Lumber	.....	3.50	
01 54 23 00-0047	LF	2" x 6" Temporary Lumber	.....	4.36	
01 54 23 00-0048	LF	2" x 8" Temporary Lumber	.....	5.26	
01 54 23 00-0049	LF	2" x 10" Temporary Lumber	.....	6.15	
01 54 23 00-0050	LF	2" x 12" Temporary Lumber	.....	7.04	
01 54 23 00-0051	LF	3" x 8" Temporary Lumber	.....	7.04	
01 54 23 00-0052	LF	3" x 10" Temporary Lumber	.....	8.36	
01 54 23 00-0053	LF	3" x 12" Temporary Lumber	.....	9.69	
01 54 23 00-0054	LF	4" x 4" Temporary Lumber	.....	4.60	
01 54 23 00-0055	LF	4" x 6" Temporary Lumber	.....	6.50	
01 54 23 00-0056	LF	6" x 6" Temporary Lumber	.....	8.40	
01 54 23 00-0057	LF	6" x 8" Temporary Lumber	.....	10.90	

**01 General Requirements****01 50 Temporary Facilities and Controls****01 54 Construction Aids**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 54 23 00-0058	LF		12" x 12" Temporary Lumber.....	25.90	
<b>01 54 23 00-0059</b>			<b>Temporary Precast Concrete Blocks</b> (01 54 23) Note: Includes removal after use.		
01 54 23 00-0060	EA		2' x 2' x 2' Temporary Precast Concrete (Ecology) Block .....	144.60	
			Note: Includes removal after use.		
01 54 23 00-0061	EA		2' x 2' x 4' Temporary Precast Concrete (Ecology) Block .....	180.76	
			Note: Includes removal after use.		
01 54 23 00-0062	EA		2' x 2' x 8' Temporary Precast Concrete (Ecology) Block .....	232.13	
			Note: Includes removal after use.		
<b>01 54 26</b>			<b>Temporary Swing Staging</b> (01 54) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
<b>01 54 26 00-0001</b>			<b>Swing Stage</b> (01 54 26) Note: Up to one month rental. Includes connection to existing electrical outlet on roof, and all necessary safety equipment for personnel. Excludes installing roof anchors.		
01 54 26 00-0002	MO		7' Swing Stage, Electric Operated .....	3,068.32	
01 54 26 00-0003	MO		10' Swing Stage, Electric Operated .....	3,221.73	
01 54 26 00-0004	MO		14' Swing Stage, Electric Operated .....	3,375.15	
01 54 26 00-0005	MO		20' Swing Stage, Electric Operated .....	3,528.57	
01 54 26 00-0006	MO		24' Swing Stage, Electric Operated .....	3,681.98	
01 54 26 00-0007	MO		30' Swing Stage, Electric Operated .....	3,835.40	
01 54 26 00-0008	MO		42' Swing Stage, Electric Operated .....	3,988.81	
01 54 26 00-0009	MO		12' Swing Stage, Manually Operated .....	884.79	
01 54 26 00-0010	MO		24' Swing Stage, Manually Operated .....	1,105.99	
01 54 26 00-0011	EA		Swing Stage Platform From Hooks, Erection And Dismantling .....	6,564.91	
			Note: Includes both initial erection and final dismantling of platform. Excludes anchors or temporary roof mounted outrigger system.		
01 54 26 00-0012	EA		Swing Stage Platform And Temporary Roof Mounted Outrigger System Erection And Dismantling .....	9,123.07	
			Note: Includes both initial erection and final dismantling of temporary roof mounted outrigger system.		
01 54 26 00-0013	EA		Move Swing Stage Platform From Hooks To Different Location At Same Roof .....	3,451.97	
01 54 26 00-0014	EA		Move Swing Stage Platform and Temporary Roof Mounted Outrigger System To Different Location At Same Roof .....	4,808.11	
<b>01 55 Vehicular Access and Parking</b> (01 50)					
<b>01 55 26</b>			<b>Traffic Control</b> (01 55)		
<b>01 55 26 00-0001</b>			<b>Temporary Removable Preformed Traffic Black Line Mask</b> (01 55 26) Note: Includes installation and removal after use.		
01 55 26 00-0002	LF		6" Removable Traffic Black Line Mask .....	5.99	
01 55 26 00-0003	LF		8" Removable Traffic Black Line Mask .....	7.10	
<b>01 55 26 00-0004</b>			<b>Temporary Preformed Traffic Line Tape</b> (01 55 26) Note: Includes installation and removal after use.		
01 55 26 00-0005	LF		4" Reflective Removable Traffic Line Tape .....	6.05	
01 55 26 00-0006	LF		6" Reflective Removable Traffic Line Tape .....	8.09	
01 55 26 00-0007	LF		8" Reflective Removable Traffic Line Tape .....	10.00	
<b>01 55 26 00-0008</b>			<b>Temporary Painted Traffic Lines</b> (01 55 26) Note: Includes installation and removal after use.		
01 55 26 00-0009	LF		4" Temporary Painted Traffic Lines .....	2.88	
			<i>For Not Removed, Deduct</i>	-2.08	
01 55 26 00-0010	LF		6" Temporary Painted Traffic Lines .....	3.81	
			<i>For Not Removed, Deduct</i>	-2.83	
01 55 26 00-0011	LF		8" Temporary Painted Traffic Lines .....	4.78	
			<i>For Not Removed, Deduct</i>	-3.60	
<b>01 55 26 00-0012</b>			<b>Temporary Rumble Strips</b> (01 55 26) Note: Includes removal after use.		
01 55 26 00-0013	LF		1/4" High, 4" Wide, Polymer Tape Temporary Rumble Strip .....	14.48	
01 55 26 00-0014	LF		1/2" High, 3-1/2" Wide, Polycarbonate Temporary Rumble Strip .....	10.59	
<b>01 55 26 00-0015</b>			<b>Linear Delineation System, Temporary Or Permanent</b> (01 55 26) Note: High visibility reflective sheeting strips. Scotchlite as manufactured by 3M.		
01 55 26 00-0016	LF		4" Linear Delineation System .....	12.24	
01 55 26 00-0017	LF		6" Linear Delineation System .....	16.33	
<b>01 55 26 00-0018</b>			<b>Temporary Traffic Protection</b> (01 55 26)		
<b>01 55 26 00-0019</b>			<b>Temporary Portable Traffic Control Device Usage</b> (01 55 26 00-0018) Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.		
01 55 26 00-0020	DAY		28" Cone With Reflective Collar .....	0.88	
01 55 26 00-0021	WK		28" Cone With Reflective Collar .....	2.64	
01 55 26 00-0022	MO		28" Cone With Reflective Collar .....	7.92	
01 55 26 00-0023	DAY		Vertical Panel .....	2.66	
01 55 26 00-0024	WK		Vertical Panel .....	7.97	
01 55 26 00-0025	MO		Vertical Panel .....	23.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 55 26 00-0026	DAY	Channelizer Drum.....	2.89		
01 55 26 00-0027	WK	Channelizer Drum.....	8.66		
01 55 26 00-0028	MO	Channelizer Drum.....	25.97		
01 55 26 00-0029	DAY	Stackable Channelizer Panel.....	1.36		
01 55 26 00-0030	WK	Stackable Channelizer Panel.....	4.09		
01 55 26 00-0031	MO	Stackable Channelizer Panel.....	12.28		
01 55 26 00-0032	DAY	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	1.89		
01 55 26 00-0033	WK	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	5.67		
01 55 26 00-0034	MO	Type I Barricade, Up To 3' Wide With Reflective Rail Each Side.....	17.00		
01 55 26 00-0035	DAY	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	4.19		
01 55 26 00-0036	WK	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	12.56		
01 55 26 00-0037	MO	Type II Barricade, Up To 3' Wide With Two Reflective Rails Each Side.....	37.69		
01 55 26 00-0038	DAY	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	4.77		
01 55 26 00-0039	WK	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	14.32		
01 55 26 00-0040	MO	Type III Barricade, Up To 5' Wide With Three Reflective Rails.....	42.96		
01 55 26 00-0041	DAY	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	8.73		
01 55 26 00-0042	WK	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	26.19		
01 55 26 00-0043	MO	Type III Barricade, >5' To 10' Wide With Three Reflective Rails.....	78.57		
01 55 26 00-0044	DAY	Up To 10' Wide A Frame Barricade.....	4.79		
01 55 26 00-0045	WK	Up To 10' Wide A Frame Barricade.....	14.36		
01 55 26 00-0046	MO	Up To 10' Wide A Frame Barricade.....	43.09		
01 55 26 00-0047	DAY	Type A Or C Flasher.....	0.98		
01 55 26 00-0048	WK	Type A Or C Flasher.....	2.93		
01 55 26 00-0049	MO	Type A Or C Flasher.....	8.78		
01 55 26 00-0050	DAY	Type B Flasher (High Intensity).....	5.29		
01 55 26 00-0051	WK	Type B Flasher (High Intensity).....	15.88		
01 55 26 00-0052	MO	Type B Flasher (High Intensity).....	47.65		

**01 55 26 00-0053 Temporary Traffic Barriers Usage (01 55 26 00-0018)**

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.

01 55 26 00-0054	DAY	6' Long Portable Parking Curbs.....	2.28		
01 55 26 00-0055	WK	6' Long Portable Parking Curbs.....	6.84		
01 55 26 00-0056	MO	6' Long Portable Parking Curbs.....	20.52		
01 55 26 00-0057	DAY	6' Long Portable Speed Bumps.....	6.75		
01 55 26 00-0058	WK	6' Long Portable Speed Bumps.....	20.24		
01 55 26 00-0059	MO	6' Long Portable Speed Bumps.....	60.73		
01 55 26 00-0060	DAY	Up To 12.5' Concrete Traffic Barrier.....	16.21		
01 55 26 00-0061	WK	Up To 12.5' Concrete Traffic Barrier.....	48.63		
01 55 26 00-0062	MO	Up To 12.5' Concrete Traffic Barrier.....	145.90		
01 55 26 00-0063	DAY	>12.5' To 20' Concrete Traffic Barrier.....	32.42		
01 55 26 00-0064	WK	>12.5' To 20' Concrete Traffic Barrier.....	97.27		
01 55 26 00-0065	MO	>12.5' To 20' Concrete Traffic Barrier.....	291.80		
01 55 26 00-0066	DAY	6' x 32" Tall Plastic Water Barrier.....	19.36		
01 55 26 00-0067	WK	6' x 32" Tall Plastic Water Barrier.....	58.08		
01 55 26 00-0068	MO	6' x 32" Tall Plastic Water Barrier.....	174.24		
01 55 26 00-0069	DAY	6' x 46" Tall Plastic Water Barrier.....	27.64		
01 55 26 00-0070	WK	6' x 46" Tall Plastic Water Barrier.....	82.93		
01 55 26 00-0071	MO	6' x 46" Tall Plastic Water Barrier.....	248.79		
01 55 26 00-0072	DAY	Sand Filled Crash Attenuator Barrels.....	10.82		
01 55 26 00-0073	WK	Sand Filled Crash Attenuator Barrels.....	32.46		
01 55 26 00-0074	MO	Sand Filled Crash Attenuator Barrels.....	97.38		
01 55 26 00-0075	MO	24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER).....	1,535.44		

Note: Consists of 8 bays with nose piece at the front of the system.

**01 55 26 00-0076 Temporary Portable Signs And Message Displays Usage (01 55 26 00-0018)**

Note: Excludes placing and removing devices. See CSI section 01 55 26 00-0095 for delivery, placing and removal.

01 55 26 00-0077	DAY	Mesh Or Vinyl Roll-up Sign With Stand.....	8.50		
01 55 26 00-0078	WK	Mesh Or Vinyl Roll-up Sign With Stand.....	25.49		
01 55 26 00-0079	MO	Mesh Or Vinyl Roll-up Sign With Stand.....	76.46		
01 55 26 00-0080	DAY	Aluminum Sign And Post.....	4.19		
01 55 26 00-0081	WK	Aluminum Sign And Post.....	12.57		
01 55 26 00-0082	MO	Aluminum Sign And Post.....	37.72		
01 55 26 00-0083	DAY	Aluminum Sign And A Frame Stand.....	5.18		
01 55 26 00-0084	WK	Aluminum Sign And A Frame Stand.....	15.54		
01 55 26 00-0085	MO	Aluminum Sign And A Frame Stand.....	46.63		
01 55 26 00-0086	DAY	Trailer Mounted Flashing Arrow Board.....	139.67		
01 55 26 00-0087	WK	Trailer Mounted Flashing Arrow Board.....	386.59		
01 55 26 00-0088	MO	Trailer Mounted Flashing Arrow Board.....	1,022.58		
01 55 26 00-0089	DAY	Trailer Mounted Portable Variable Message Sign (PVMS).....	313.65		
01 55 26 00-0090	WK	Trailer Mounted Portable Variable Message Sign (PVMS).....	836.40		
01 55 26 00-0091	MO	Trailer Mounted Portable Variable Message Sign (PVMS).....	1,672.80		
01 55 26 00-0092	DAY	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	1,445.01		
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.			
01 55 26 00-0093	WK	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	4,335.03		
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.			
01 55 26 00-0094	MO	Two Head, Trailer Mounted Traffic Signal System (Set Of Two).....	13,005.09		
		Note: Consists of a set of two communicating trailers. Each with two LED traffic light head, solar panels and a battery bank, mounted on a heavy-duty towable trailer.			

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 55 Vehicular Access and Parking**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>01 55 26 00-0095</b>		<b>Place And Remove Temporary Traffic Protection Using Truck</b> <small>(01 55 26 00-0018)</small>	
<small>Note: Includes delivery and return up to 15 miles. See CSI section 01 74 19 00-0034 for delivery &gt;15 miles.</small>			
01 55 26 00-0096	EA	Placement And Removal Of Up To 250 Cones Using Truck.....	5.14
01 55 26 00-0097	EA	Placement And Removal Of >250 Cones Using Truck.....	4.49
01 55 26 00-0098	EA	Placement And Removal Of Up To 250 Panels/Channelizers Using Truck.....	8.48
01 55 26 00-0099	EA	Placement And Removal Of >250 Panels/Channelizers Using Truck.....	7.07
01 55 26 00-0100	EA	Placement And Removal Of Up To 250 Barricades Using Truck.....	12.84
01 55 26 00-0101	EA	Placement And Removal Of >250 Barricades Using Truck.....	10.27
01 55 26 00-0102	EA	Placement And Removal Of Curbs/Speed Bumps Using Truck.....	12.84
01 55 26 00-0103	EA	Placement And Removal Of Portable Sign And Stand Using Truck.....	7.70
01 55 26 00-0104	EA	Placement And Removal Of Aluminum Sign And Post Using Truck.....	32.09
01 55 26 00-0105	EA	Placement And Removal Of Trailer Mounted Boards And Signals Using Truck.....	96.29
01 55 26 00-0106	EA	Placement And Removal Of Up To 12.5' Concrete Traffic Barrier.....	129.90
<small>Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.</small>			
		<i>For 1 Barrier, Add</i>	324.75
		<i>For 2 Barriers, Add</i>	116.91
		<i>For 3 Barriers, Add</i>	38.97
01 55 26 00-0107	EA	Placement And Removal Of >12.5' Concrete Traffic Barrier.....	194.84
<small>Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.</small>			
		<i>For 1 Barrier, Add</i>	487.10
		<i>For 2 Barriers, Add</i>	175.36
		<i>For 3 Barriers, Add</i>	58.45
01 55 26 00-0108	EA	Placement And Removal Of Plastic Water Barrier.....	72.34
<small>Note: Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.</small>			
		<i>For 1 Barrier, Add</i>	162.35
		<i>For 2 Barriers, Add</i>	58.45
		<i>For 3 Barriers, Add</i>	19.48
01 55 26 00-0109	EA	Placement And Removal Of Crash Attenuator Barrels.....	97.42
<small>Note: If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rentals tasks, 01 71 13 00-0000 for mobilization tasks.</small>			
		<i>For 1 Barrier, Add</i>	243.55
		<i>For 2 Barriers, Add</i>	87.68
		<i>For 3 Barriers, Add</i>	29.23
01 55 26 00-0110	EA	Placement And Removal Of 24" Wide x 32" High x 32' Long, Anchorless Water Filler, Non-Redirective, Bi-Directional Impact Attenuator (ABSORB 350® BARRIER).....	714.42
<small>Note: Consists of 8 bays with nose piece at the front of the system attached and anchored in accordance with the manufactures instructions. Includes water. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization.</small>			

**01 55 26 00-0111** **Place And Remove Temporary Traffic Protection From Roadside (Daily)** (01 55 26 00-0018)

01 55 26 00-0112	EA	Placement And Removal Of Up To 250 Cones By Hand From Roadside.....	3.21
01 55 26 00-0113	EA	Placement And Removal Of >250 Cones By Hand From Roadside.....	2.56
01 55 26 00-0114	EA	Placement And Removal Of Up To 250 Panels/Channelizers By Hand From Roadside.....	4.28
01 55 26 00-0115	EA	Placement And Removal Of >250 Panels/Channelizers By Hand From Roadside.....	3.40
01 55 26 00-0116	EA	Placement And Removal Of Up To 250 Barricades By Hand From Roadside.....	6.42
01 55 26 00-0117	EA	Placement And Removal Of >250 Barricades By Hand From Roadside.....	5.14
01 55 26 00-0118	EA	Placement And Removal Of Portable Sign And Stand From Roadside.....	3.86
01 55 26 00-0119	EA	Placement And Removal Of Trailer Mounted Boards And Signals From Roadside.....	48.15
01 55 26 00-0120	EA	Roadside Relocation Of Concrete Traffic Barrier.....	64.94
<small>Note: Excludes flatbed truck. If lifting equipment is not available on site, See CSI section 01 22 23 00-0000 for rental tasks, 01 71 13 00-0000 for mobilization tasks.</small>			

**01 56 Temporary Barriers and Enclosures** (01 50)

Note: Includes removal after use.

**01 56 16 Temporary Dust Barriers** (01 56)

**01 56 16 00-0001 Temporary Sheeting For Protection** (01 56 16)

Note: Includes removal after use.

01 56 16 00-0002	SF	6 Mil, Plastic Sheeting, Applied To Floors.....	0.50
<small>Note: Includes removal after use.</small>			
01 56 16 00-0003	SF	6 Mil, Plastic Sheeting, Applied To Walls.....	0.65
<small>Note: Includes removal after use.</small>			
01 56 16 00-0004	SF	6 Mil, Plastic Sheeting, Applied To Ceilings.....	0.88
<small>Note: Includes removal after use.</small>			
01 56 16 00-0005	SF	6 Mil, Plastic Sheeting, Applied To Scaffolding.....	0.85
<small>Note: Includes removal after use.</small>			
01 56 16 00-0006	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Floors.....	0.58
<small>Note: Includes removal after use.</small>			
01 56 16 00-0007	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Walls.....	0.73
<small>Note: Includes removal after use.</small>			
01 56 16 00-0008	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Ceilings.....	0.96
<small>Note: Includes removal after use.</small>			
01 56 16 00-0009	SF	6 Mil, Fire Retardant, Plastic Sheeting, Applied To Scaffolding.....	0.89
<small>Note: Includes removal after use.</small>			
01 56 16 00-0010	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Floors.....	0.61
<small>Note: Includes removal after use.</small>			
01 56 16 00-0011	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Walls.....	0.76
<small>Note: Includes removal after use.</small>			
01 56 16 00-0012	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Ceilings.....	0.99
<small>Note: Includes removal after use.</small>			
01 56 16 00-0013	SF	6 Mil, Fire Retardant, Anti-static, Plastic Sheeting, Applied To Scaffolding.....	0.92
<small>Note: Includes removal after use.</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0014 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Floors ..... Note: Includes removal after use.	0.60	
01 56 16 00-0015 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Walls ..... Note: Includes removal after use.	0.75	
01 56 16 00-0016 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Ceilings ..... Note: Includes removal after use.	0.98	
01 56 16 00-0017 SF 6 Mil, Reinforced, Plastic Sheeting, Applied To Scaffolding ..... Note: Includes removal after use.	0.91	
01 56 16 00-0018 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Floors ..... Note: Includes removal after use.	0.67	
01 56 16 00-0019 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Walls ..... Note: Includes removal after use.	0.82	
01 56 16 00-0020 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Ceilings ..... Note: Includes removal after use.	1.05	
01 56 16 00-0021 SF 6 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding ..... Note: Includes removal after use.	0.98	
01 56 16 00-0022 SF 10 Mil, Fire Retardant, Reinforced, Plastic Sheeting, Applied To Scaffolding ..... Note: Includes removal after use.	1.11	
 01 56 16 00-0023 Temporary Stud Wall <sup>(01 56 16)</sup> Note: Includes removal after use.		
 01 56 16 00-0024 Temporary Stud Wall With Drywall <sup>(01 56 16 00-0023)</sup> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, drywall taped and finished and removal after use. Excludes paint.		
 01 56 16 00-0025 Temporary Stud Wall With Drywall <sup>(01 56 16 00-0024)</sup>		
01 56 16 00-0026 SF 3/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.24 0.99	
01 56 16 00-0027 SF 1/2" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.24 0.99	
01 56 16 00-0028 SF 5/8" Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.37 0.99	
01 56 16 00-0029 SF 3/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.09 1.10	
01 56 16 00-0030 SF 1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.09 1.10	
01 56 16 00-0031 SF 5/8" Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.35 1.10	
 01 56 16 00-0032 Temporary Stud Wall With Fire Rated Drywall <sup>(01 56 16 00-0024)</sup>		
01 56 16 00-0033 SF 1/2" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.39 0.99	
01 56 16 00-0034 SF 5/8" Type C Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.43 0.99	
01 56 16 00-0035 SF 5/8" Type X Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.35 0.99	
01 56 16 00-0036 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	8.35 0.99	
01 56 16 00-0037 SF 1/2" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.39 1.10	
01 56 16 00-0038 SF 5/8" Type C Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.48 1.10	
01 56 16 00-0039 SF 5/8" Type X Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	10.32 1.10	
01 56 16 00-0040 SF 3/4" Fire Rated (Sheetrock® Ultracode®) Gypsum Board On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	12.33 1.10	
 01 56 16 00-0041 Temporary Stud Wall With Oriented Strand Board (OSB) <sup>(01 56 16 00-0023)</sup> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, oriented strand board (OSB) wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0042 SF 7/16" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.11 0.99	
01 56 16 00-0043 SF 1/2" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.17 0.99	
01 56 16 00-0044 SF 5/8" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use. <i>For Metal Studs 24" On Center, Add/Deduct</i>	7.33 0.99	

**01 General Requirements****01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 16 00-0045	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use.	7.42	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.99	
01 56 16 00-0046	SF		7/16" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	9.84	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.10	
01 56 16 00-0047	SF		1/2" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	9.95	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.10	
01 56 16 00-0048	SF		5/8" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	10.28	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.10	
01 56 16 00-0049	SF		3/4" Oriented Strand Board (OSB) Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	10.46	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.10	
<b>01 56 16 00-0050</b>			<b>Temporary Stud Wall With BC Plywood</b> <small>(01 56 16 00-0023)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, interior/exterior BC plywood wall sheathing, and removal after use. Excludes paint.		
01 56 16 00-0051	SF		3/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use.	7.50	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.99	
01 56 16 00-0052	SF		1/2" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	7.72	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.99	
01 56 16 00-0053	SF		5/8" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	7.88	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.99	
01 56 16 00-0054	SF		3/4" BC Plywood Wall Sheathing On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	8.06	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.99	
01 56 16 00-0055	SF		3/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	10.63	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.10	
01 56 16 00-0056	SF		1/2" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	11.06	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.10	
01 56 16 00-0057	SF		5/8" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	11.39	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.10	
01 56 16 00-0058	SF		3/4" BC Plywood Wall Sheathing On Both Sides, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	11.73	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	1.10	
<b>01 56 16 00-0059</b>			<b>Temporary Stud Wall With Plastic Sheeting</b> <small>(01 56 16 00-0023)</small> Note: Includes 2 x 4 wood studs installed 16" on center, single bottom and top plate, appropriate fastening devices, 6 Mil plastic sheeting, and removal after use.		
01 56 16 00-0060	SF		6 Mil, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	4.06	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0061	SF		6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center..... Note: Includes removal after use.	4.14	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0062	SF		6 Mil, Fire Retardant, Anti-static, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	4.17	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0063	SF		6 Mil, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	4.16	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
01 56 16 00-0064	SF		6 Mil, Fire Retardant, Reinforced, Plastic Sheeting On One Side, Temporary Wood Stud Wall, 16" On Center ..... Note: Includes removal after use.	4.23	
			<i>For Metal Studs 24" On Center, Add/Deduct</i>	0.85	
<b>01 56 16 00-0065</b>			<b>Temporary Doors</b> <small>(01 56 16 00-0023)</small> Note: For temporary stud walls. Includes removal after use.		
01 56 16 00-0066	EA		Temporary Metal Door And Frame ..... Note: Painted with panic hardware, lockset, threshold and smoke seals. Remove after use.	680.40	
<b>01 56 16 00-0067</b>			<b>Temporary Floor Protection</b> <small>(01 56 16)</small> Note: Includes removal after use.		
01 56 16 00-0068	SF		1/8" Thick, Masonite For Temporary Floor Protection..... Note: Includes removal after use.	2.08	
01 56 16 00-0069	SF		1/2" Thick, Plywood For Temporary Floor Protection..... Note: Includes removal after use.	2.12	
01 56 16 00-0070	SF		3/4" Thick, Plywood For Temporary Floor Protection..... Note: Includes removal after use.	2.48	
01 56 16 00-0071	LF		38" Wide, 46 Mil Fiberboard, Ram Board® For Temporary Floor Protection ..... Note: Includes removal after use.	1.16	
01 56 16 00-0072	LF		36" Wide, 9 Mil, Regular Weight Red Rosin Paper, For Temporary Floor Protection ..... Note: Includes removal after use.	0.43	
<b>01 56 16 00-0073</b>			<b>Sticky Mats</b> <small>(01 56 16)</small> Note: Includes removal after use.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 56 16 00-0074	EA 18" x 36", 30 Layer Sticky Mat.....	39.97	
	Note: Includes removal after use.		
	<i>For 60 Layers Instead Of 30, Add</i>	25.36	
01 56 16 00-0075	EA 18" x 46", 30 Layer Sticky Mat.....	45.61	
	Note: Includes removal after use.		
	<i>For 60 Layers Instead Of 30, Add</i>	29.59	
01 56 16 00-0076	EA 24" x 36", 30 Layer Sticky Mat.....	45.61	
	Note: Includes removal after use.		
	<i>For 60 Layers Instead Of 30, Add</i>	29.59	
01 56 16 00-0077	EA 25" x 45", 30 Layer Sticky Mat.....	59.69	
	Note: Includes removal after use.		
	<i>For 60 Layers Instead Of 30, Add</i>	40.15	
01 56 16 00-0078	EA 36" x 36", 30 Layer Sticky Mat.....	65.33	
	Note: Includes removal after use.		
	<i>For 60 Layers Instead Of 30, Add</i>	44.38	
01 56 16 00-0079	EA 36" x 46", 30 Layer Sticky Mat.....	70.96	
	Note: Includes removal after use.		
	<i>For 60 Layers Instead Of 30, Add</i>	48.60	
01 56 16 00-0080	EA 36" x 60", 30 Layer Sticky Mat.....	141.40	
	Note: Includes removal after use.		
	<i>For 60 Layers Instead Of 30, Add</i>	101.43	
01 56 16 00-0081	EA 36" x 72", 30 Layer Sticky Mat.....	168.45	
	Note: Includes removal after use.		

**01 56 26 Temporary Fencing (01 56)**

01 56 26 00-0001	Temporary Fencing (01 56 26) Note: Per ASTM A392-06 Standards		
01 56 26 00-0002	Temporary Chain Link Fence (01 56 26 00-0001) Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.		
01 56 26 00-0003	Temporary Chain Link Fence, Up To 6 Months (01 56 26 00-0002)		
01 56 26 00-0004	LF Temporary 4' High Chain Link Fence And Posts, Up To 6 Months.....	8.31	
	<i>For &gt;100 To 250, Deduct</i>	-0.17	
	<i>For &gt;250 To 500, Deduct</i>	-0.34	
	<i>For &gt;500, Deduct</i>	-0.51	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0005	LF Temporary 6' High Chain Link Fence And Posts, Up To 6 Months.....	9.24	
	<i>For &gt;100 To 250, Deduct</i>	-0.19	
	<i>For &gt;250 To 500, Deduct</i>	-0.38	
	<i>For &gt;500, Deduct</i>	-0.57	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0006	LF Temporary 8' High Chain Link Fence And Posts, Up To 6 Months.....	12.37	
	<i>For &gt;100 To 250, Deduct</i>	-0.32	
	<i>For &gt;250 To 500, Deduct</i>	-0.65	
	<i>For &gt;500, Deduct</i>	-0.97	
	<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0007	LF Temporary 10' High Chain Link Fence And Posts, Up To 6 Months.....	25.69	
	<i>For &gt;100 To 250, Deduct</i>	-0.96	
	<i>For &gt;250 To 500, Deduct</i>	-1.92	
	<i>For &gt;500, Deduct</i>	-2.87	
	<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0008	Temporary Chain Link Fence, >6 To 12 Months (01 56 26 00-0002)		
01 56 26 00-0009	LF Temporary 4' High Chain Link Fence And Posts, >6 To 12 Months.....	8.66	
	<i>For &gt;100 To 250, Deduct</i>	-0.19	
	<i>For &gt;250 To 500, Deduct</i>	-0.37	
	<i>For &gt;500, Deduct</i>	-0.56	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0010	LF Temporary 6' High Chain Link Fence And Posts, >6 To 12 Months.....	9.61	
	<i>For &gt;100 To 250, Deduct</i>	-0.21	
	<i>For &gt;250 To 500, Deduct</i>	-0.42	
	<i>For &gt;500, Deduct</i>	-0.63	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0011	LF Temporary 8' High Chain Link Fence And Posts, >6 To 12 Months.....	13.00	
	<i>For &gt;100 To 250, Deduct</i>	-0.35	
	<i>For &gt;250 To 500, Deduct</i>	-0.71	
	<i>For &gt;500, Deduct</i>	-1.06	
	<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0012	LF Temporary 10' High Chain Link Fence And Posts, >6 To 12 Months.....	27.60	
	<i>For &gt;100 To 250, Deduct</i>	-1.05	
	<i>For &gt;250 To 500, Deduct</i>	-2.11	
	<i>For &gt;500, Deduct</i>	-3.16	
	<i>For Each LF Shade Cloth, Add</i>	4.75	
01 56 26 00-0013	Temporary Chain Link Fence, >12 To 18 Months (01 56 26 00-0002)		
01 56 26 00-0014	LF Temporary 4' High Chain Link Fence And Posts, >12 To 18 Months.....	9.03	
	<i>For &gt;100 To 250, Deduct</i>	-0.21	
	<i>For &gt;250 To 500, Deduct</i>	-0.41	
	<i>For &gt;500, Deduct</i>	-0.62	
	<i>For Each LF Shade Cloth, Add</i>	1.60	

**01 General Requirements****01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 56 26 00-0015	LF	Temporary 6' High Chain Link Fence And Posts, >12 To 18 Months	10.04
		<i>For &gt;100 To 250, Deduct</i>	-0.23
		<i>For &gt;250 To 500, Deduct</i>	-0.46
		<i>For &gt;500, Deduct</i>	-0.69
		<i>For Each LF Shade Cloth, Add</i>	2.55
01 56 26 00-0016	LF	Temporary 8' High Chain Link Fence And Posts, >12 To 18 Months	13.72
		<i>For &gt;100 To 250, Deduct</i>	-0.39
		<i>For &gt;250 To 500, Deduct</i>	-0.78
		<i>For &gt;500, Deduct</i>	-1.17
		<i>For Each LF Shade Cloth, Add</i>	3.60
01 56 26 00-0017	LF	Temporary 10' High Chain Link Fence And Posts, >12 To 18 Months	29.71
		<i>For &gt;100 To 250, Deduct</i>	-1.16
		<i>For &gt;250 To 500, Deduct</i>	-2.32
		<i>For &gt;500, Deduct</i>	-3.48
		<i>For Each LF Shade Cloth, Add</i>	4.75
<b>01 56 26 00-0018</b>		<b>Temporary Chain Link Fence, &gt;18 Months</b> (01 56 26 00-0002)	
01 56 26 00-0019	LF	Temporary 4' High Chain Link Fence And Posts, >18 Months	9.44
		<i>For &gt;100 To 250, Deduct</i>	-0.23
		<i>For &gt;250 To 500, Deduct</i>	-0.45
		<i>For &gt;500, Deduct</i>	-0.68
		<i>For Each LF Shade Cloth, Add</i>	1.60
01 56 26 00-0020	LF	Temporary 6' High Chain Link Fence And Posts, >18 Months	10.48
		<i>For &gt;100 To 250, Deduct</i>	-0.25
		<i>For &gt;250 To 500, Deduct</i>	-0.51
		<i>For &gt;500, Deduct</i>	-0.76
		<i>For Each LF Shade Cloth, Add</i>	2.55
01 56 26 00-0021	LF	Temporary 8' High Chain Link Fence And Posts, >18 Months	14.49
		<i>For &gt;100 To 250, Deduct</i>	-0.43
		<i>For &gt;250 To 500, Deduct</i>	-0.86
		<i>For &gt;500, Deduct</i>	-1.29
		<i>For Each LF Shade Cloth, Add</i>	3.60
01 56 26 00-0022	LF	Temporary 10' High Chain Link Fence And Posts, >18 Months	32.02
		<i>For &gt;100 To 250, Deduct</i>	-1.27
		<i>For &gt;250 To 500, Deduct</i>	-2.55
		<i>For &gt;500, Deduct</i>	-3.82
		<i>For Each LF Shade Cloth, Add</i>	4.75
<b>01 56 26 00-0023</b>		<b>Temporary Chain Link Fence Gates</b> (01 56 26 00-0001)	
		Note: Includes delivery, set-up (driving posts) and removal. Excludes auguring/drilling for posts. See CSI section 02 41 19 13-0024 for core drilling in asphalt or concrete, 32 31 13 13-0001 for augering and backfill of posts.	
<b>01 56 26 00-0024</b>		<b>Temporary Chain Link Fence Gates, Up To 6 Months</b> (01 56 26 00-0023)	
<b>01 56 26 00-0025</b>		<b>4' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> (01 56 26 00-0024)	
01 56 26 00-0026	EA	4' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	307.88
		<i>For Each LF Shade Cloth, Add</i>	16.09
01 56 26 00-0027	EA	10' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	532.36
		<i>For Each LF Shade Cloth, Add</i>	40.21
01 56 26 00-0028	EA	12' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	593.80
		<i>For Each LF Shade Cloth, Add</i>	48.26
01 56 26 00-0029	EA	15' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	677.42
		<i>For Each LF Shade Cloth, Add</i>	60.32
01 56 26 00-0030	EA	20' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	808.29
		<i>For Each LF Shade Cloth, Add</i>	80.43
01 56 26 00-0031	EA	24' Wide, 4' High, Temporary Chain Link Fence Gate, Up To 6 Months	903.16
		<i>For Each LF Shade Cloth, Add</i>	96.51
<b>01 56 26 00-0032</b>		<b>6' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> (01 56 26 00-0024)	
01 56 26 00-0033	EA	4' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	331.25
		<i>For Each LF Shade Cloth, Add</i>	25.64
01 56 26 00-0034	EA	10' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	578.40
		<i>For Each LF Shade Cloth, Add</i>	64.09
01 56 26 00-0035	EA	12' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	646.94
		<i>For Each LF Shade Cloth, Add</i>	76.91
01 56 26 00-0036	EA	15' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	753.73
		<i>For Each LF Shade Cloth, Add</i>	96.13
01 56 26 00-0037	EA	20' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	909.29
		<i>For Each LF Shade Cloth, Add</i>	128.18
01 56 26 00-0038	EA	24' Wide, 6' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,038.98
		<i>For Each LF Shade Cloth, Add</i>	153.81
<b>01 56 26 00-0039</b>		<b>8' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> (01 56 26 00-0024)	
01 56 26 00-0040	EA	4' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	371.02
		<i>For Each LF Shade Cloth, Add</i>	36.19
01 56 26 00-0041	EA	10' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	667.69
		<i>For Shade Cloth, Add</i>	90.48
01 56 26 00-0042	EA	12' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	743.96
		<i>For Shade Cloth, Add</i>	108.57
01 56 26 00-0043	EA	15' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	854.24
		<i>For Shade Cloth, Add</i>	135.72
01 56 26 00-0044	EA	20' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,043.99
		<i>For Shade Cloth, Add</i>	180.96
01 56 26 00-0045	EA	24' Wide, 8' High, Temporary Chain Link Fence Gate, Up To 6 Months	1,224.18
		<i>For Shade Cloth, Add</i>	217.15

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 56 26 00-0046</b>	<b>10' High, Temporary Chain Link Fence Gates, Up To 6 Months</b> (01 56 26 00-0024)		
01 56 26 00-0047	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	446.64	
	For Each LF Shade Cloth, Add	47.75	
01 56 26 00-0048	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	794.86	
	For Each LF Shade Cloth, Add	119.38	
01 56 26 00-0049	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	887.59	
	For Each LF Shade Cloth, Add	143.26	
01 56 26 00-0050	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,017.56	
	For Each LF Shade Cloth, Add	179.07	
01 56 26 00-0051	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,243.95	
	For Each LF Shade Cloth, Add	238.76	
01 56 26 00-0052	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, Up To 6 Months.....	1,451.59	
	For Each LF Shade Cloth, Add	286.52	
<b>01 56 26 00-0053</b>	<b>Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0054</b>	<b>4' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0053)		
01 56 26 00-0055	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	318.65	
	For Each LF Shade Cloth, Add	16.09	
01 56 26 00-0056	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	549.11	
	For Each LF Shade Cloth, Add	40.21	
01 56 26 00-0057	EA 12' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	612.95	
	For Each LF Shade Cloth, Add	48.26	
01 56 26 00-0058	EA 15' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	698.96	
	For Each LF Shade Cloth, Add	60.32	
01 56 26 00-0059	EA 20' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	834.62	
	For Each LF Shade Cloth, Add	80.43	
01 56 26 00-0060	EA 24' Wide, 4' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	931.88	
	For Each LF Shade Cloth, Add	96.51	
<b>01 56 26 00-0061</b>	<b>6' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0053)		
01 56 26 00-0062	EA 4' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	342.51	
	For Each LF Shade Cloth, Add	25.64	
01 56 26 00-0063	EA 10' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	595.92	
	For Each LF Shade Cloth, Add	64.09	
01 56 26 00-0064	EA 12' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	666.96	
	For Each LF Shade Cloth, Add	76.91	
01 56 26 00-0065	EA 15' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	776.25	
	For Each LF Shade Cloth, Add	96.13	
01 56 26 00-0066	EA 20' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	936.82	
	For Each LF Shade Cloth, Add	128.18	
01 56 26 00-0067	EA 24' Wide, 6' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,069.00	
	For Each LF Shade Cloth, Add	153.81	
<b>01 56 26 00-0068</b>	<b>8' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0053)		
01 56 26 00-0069	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	383.41	
	For Each LF Shade Cloth, Add	36.19	
01 56 26 00-0070	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	686.96	
	For Shade Cloth, Add	90.48	
01 56 26 00-0071	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	765.98	
	For Shade Cloth, Add	108.57	
01 56 26 00-0072	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	879.01	
	For Shade Cloth, Add	135.72	
01 56 26 00-0073	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,074.26	
	For Shade Cloth, Add	180.96	
01 56 26 00-0074	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,257.21	
	For Shade Cloth, Add	217.15	
<b>01 56 26 00-0075</b>	<b>10' High, Temporary Chain Link Fence Gates, &gt;6 To 12 Months</b> (01 56 26 00-0053)		
01 56 26 00-0076	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	462.13	
	For Each LF Shade Cloth, Add	47.75	
01 56 26 00-0077	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	818.94	
	For Each LF Shade Cloth, Add	119.38	
01 56 26 00-0078	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	915.12	
	For Each LF Shade Cloth, Add	143.26	
01 56 26 00-0079	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,048.53	
	For Each LF Shade Cloth, Add	179.07	
01 56 26 00-0080	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,281.80	
	For Each LF Shade Cloth, Add	238.76	
01 56 26 00-0081	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >6 To 12 Months.....	1,492.88	
	For Each LF Shade Cloth, Add	286.52	
<b>01 56 26 00-0082</b>	<b>Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0023)		
<b>01 56 26 00-0083</b>	<b>4' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months</b> (01 56 26 00-0082)		
01 56 26 00-0084	EA 4' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	329.96	
	For Each LF Shade Cloth, Add	16.09	
01 56 26 00-0085	EA 10' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months.....	566.71	
	For Each LF Shade Cloth, Add	40.21	



**01 General Requirements****01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
01 56 26 00-0086	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	633.05	
			<i>For Each LF Shade Cloth, Add</i>	48.26	
01 56 26 00-0087	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	721.58	
			<i>For Each LF Shade Cloth, Add</i>	60.32	
01 56 26 00-0088	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	862.27	
			<i>For Each LF Shade Cloth, Add</i>	80.43	
01 56 26 00-0089	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >12 To 18 Months	962.04	
			<i>For Each LF Shade Cloth, Add</i>	96.51	
<b>01 56 26 00-0090</b>			<b>6' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0091	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	354.34	
			<i>For Each LF Shade Cloth, Add</i>	25.64	
01 56 26 00-0092	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	614.31	
			<i>For Each LF Shade Cloth, Add</i>	64.09	
01 56 26 00-0093	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	687.98	
			<i>For Each LF Shade Cloth, Add</i>	76.91	
01 56 26 00-0094	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	799.90	
			<i>For Each LF Shade Cloth, Add</i>	96.13	
01 56 26 00-0095	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	965.72	
			<i>For Each LF Shade Cloth, Add</i>	128.18	
01 56 26 00-0096	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,100.53	
			<i>For Each LF Shade Cloth, Add</i>	153.81	
<b>01 56 26 00-0097</b>			<b>8' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0098	EA		4' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	396.41	
			<i>For Each LF Shade Cloth, Add</i>	36.19	
01 56 26 00-0099	EA		10' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	707.19	
			<i>For Shade Cloth, Add</i>	90.48	
01 56 26 00-0100	EA		12' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	789.10	
			<i>For Shade Cloth, Add</i>	108.57	
01 56 26 00-0101	EA		15' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	905.03	
			<i>For Shade Cloth, Add</i>	135.72	
01 56 26 00-0102	EA		20' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,106.06	
			<i>For Shade Cloth, Add</i>	180.96	
01 56 26 00-0103	EA		24' Wide, 8' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,291.89	
			<i>For Shade Cloth, Add</i>	217.15	
<b>01 56 26 00-0104</b>			<b>10' High, Temporary Chain Link Fence Gates, &gt;12 To 18 Months (01 56 26 00-0082)</b>		
01 56 26 00-0105	EA		4' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	478.39	
			<i>For Each LF Shade Cloth, Add</i>	47.75	
01 56 26 00-0106	EA		10' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	844.23	
			<i>For Each LF Shade Cloth, Add</i>	119.38	
01 56 26 00-0107	EA		12' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	944.02	
			<i>For Each LF Shade Cloth, Add</i>	143.26	
01 56 26 00-0108	EA		15' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,081.04	
			<i>For Each LF Shade Cloth, Add</i>	179.07	
01 56 26 00-0109	EA		20' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,321.54	
			<i>For Each LF Shade Cloth, Add</i>	238.76	
01 56 26 00-0110	EA		24' Wide, 10' High, Temporary Chain Link Fence Gate, >12 To 18 Months	1,536.23	
			<i>For Each LF Shade Cloth, Add</i>	286.52	
<b>01 56 26 00-0111</b>			<b>Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0023)</b>		
<b>01 56 26 00-0112</b>			<b>4' High, Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0111)</b>		
01 56 26 00-0113	EA		4' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	341.27	
			<i>For Each LF Shade Cloth, Add</i>	16.09	
01 56 26 00-0114	EA		10' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	584.30	
			<i>For Each LF Shade Cloth, Add</i>	40.21	
01 56 26 00-0115	EA		12' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	653.16	
			<i>For Each LF Shade Cloth, Add</i>	48.26	
01 56 26 00-0116	EA		15' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	744.20	
			<i>For Each LF Shade Cloth, Add</i>	60.32	
01 56 26 00-0117	EA		20' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	889.91	
			<i>For Each LF Shade Cloth, Add</i>	80.43	
01 56 26 00-0118	EA		24' Wide, 4' High, Temporary Chain Link Fence Gate, >18 Months	992.20	
			<i>For Each LF Shade Cloth, Add</i>	96.51	
<b>01 56 26 00-0119</b>			<b>6' High, Temporary Chain Link Fence Gates, &gt;18 Months (01 56 26 00-0111)</b>		
01 56 26 00-0120	EA		4' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	366.16	
			<i>For Each LF Shade Cloth, Add</i>	25.64	
01 56 26 00-0121	EA		10' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	632.70	
			<i>For Each LF Shade Cloth, Add</i>	64.09	
01 56 26 00-0122	EA		12' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	709.00	
			<i>For Each LF Shade Cloth, Add</i>	76.91	
01 56 26 00-0123	EA		15' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	823.54	
			<i>For Each LF Shade Cloth, Add</i>	96.13	
01 56 26 00-0124	EA		20' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	994.62	
			<i>For Each LF Shade Cloth, Add</i>	128.18	
01 56 26 00-0125	EA		24' Wide, 6' High, Temporary Chain Link Fence Gate, >18 Months	1,132.06	
			<i>For Each LF Shade Cloth, Add</i>	153.81	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>01 56 26 00-0126</b>	<b>8' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0111)</small>		
01 56 26 00-0127	EA 4' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	409.42	
	<i>For Each LF Shade Cloth, Add</i>	36.19	
01 56 26 00-0128	EA 10' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	727.43	
	<i>For Shade Cloth, Add</i>	90.48	
01 56 26 00-0129	EA 12' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	812.22	
	<i>For Shade Cloth, Add</i>	108.57	
01 56 26 00-0130	EA 15' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	931.04	
	<i>For Shade Cloth, Add</i>	135.72	
01 56 26 00-0131	EA 20' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,137.85	
	<i>For Shade Cloth, Add</i>	180.96	
01 56 26 00-0132	EA 24' Wide, 8' High, Temporary Chain Link Fence Gate, >18 Months	1,326.58	
	<i>For Shade Cloth, Add</i>	217.15	

<b>01 56 26 00-0133</b>	<b>10' High, Temporary Chain Link Fence Gates, &gt;18 Months</b> <small>(01 56 26 00-0111)</small>		
01 56 26 00-0134	EA 4' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	494.64	
	<i>For Each LF Shade Cloth, Add</i>	47.75	
01 56 26 00-0135	EA 10' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	869.52	
	<i>For Each LF Shade Cloth, Add</i>	119.38	
01 56 26 00-0136	EA 12' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	972.92	
	<i>For Each LF Shade Cloth, Add</i>	143.26	
01 56 26 00-0137	EA 15' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,113.56	
	<i>For Each LF Shade Cloth, Add</i>	179.07	
01 56 26 00-0138	EA 20' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,361.28	
	<i>For Each LF Shade Cloth, Add</i>	238.76	
01 56 26 00-0139	EA 24' Wide, 10' High, Temporary Chain Link Fence Gate, >18 Months	1,579.59	
	<i>For Each LF Shade Cloth, Add</i>	286.52	

**01 56 26 00-0140** Temporary Chain Link Fence Panels (Portable) (01 56 26 00-0001)  
 Note: Includes delivery, set-up and removal. Excludes sandbags.

<b>01 56 26 00-0141</b>	<b>Temporary Chain Link Fence Panels (Portable), Up To 6 Months</b> <small>(01 56 26 00-0140)</small>		
01 56 26 00-0142	LF Temporary 4' High Chain Link Fence Panels (Portable), Up To 6 Months	8.98	
	<i>For &gt;100 To 250, Deduct</i>	-0.20	
	<i>For &gt;250 To 500, Deduct</i>	-0.41	
	<i>For &gt;500, Deduct</i>	-0.61	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0143	LF Temporary 6' High Chain Link Fence Panels (Portable), Up To 6 Months	9.96	
	<i>For &gt;100 To 250, Deduct</i>	-0.23	
	<i>For &gt;250 To 500, Deduct</i>	-0.45	
	<i>For &gt;500, Deduct</i>	-0.68	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0144	LF Temporary 8' High Chain Link Fence Panels (Portable), Up To 6 Months	13.23	
	<i>For &gt;100 To 250, Deduct</i>	-0.37	
	<i>For &gt;250 To 500, Deduct</i>	-0.73	
	<i>For &gt;500, Deduct</i>	-1.10	
	<i>For Each LF Shade Cloth, Add</i>	3.60	

**01 56 26 00-0145** Temporary Chain Link Fence Panels (Portable), >6 To 12 Months (01 56 26 00-0140)

01 56 26 00-0146	LF Temporary 4' High Chain Link Fence Panels (Portable), >6 To 12 Months	9.32	
	<i>For &gt;100 To 250, Deduct</i>	-0.22	
	<i>For &gt;250 To 500, Deduct</i>	-0.44	
	<i>For &gt;500, Deduct</i>	-0.66	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0147	LF Temporary 6' High Chain Link Fence Panels (Portable), >6 To 12 Months	10.33	
	<i>For &gt;100 To 250, Deduct</i>	-0.25	
	<i>For &gt;250 To 500, Deduct</i>	-0.49	
	<i>For &gt;500, Deduct</i>	-0.74	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0148	LF Temporary 8' High Chain Link Fence Panels (Portable), >6 To 12 Months	13.87	
	<i>For &gt;100 To 250, Deduct</i>	-0.40	
	<i>For &gt;250 To 500, Deduct</i>	-0.80	
	<i>For &gt;500, Deduct</i>	-1.19	
	<i>For Each LF Shade Cloth, Add</i>	3.60	

**01 56 26 00-0149** Temporary Chain Link Fence Panels (Portable), >12 To 18 Months (01 56 26 00-0140)

01 56 26 00-0150	LF Temporary 4' High Chain Link Fence Panels (Portable), >12 To 18 Months	9.67	
	<i>For &gt;100 To 250, Deduct</i>	-0.24	
	<i>For &gt;250 To 500, Deduct</i>	-0.47	
	<i>For &gt;500, Deduct</i>	-0.71	
	<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0151	LF Temporary 6' High Chain Link Fence Panels (Portable), >12 To 18 Months	10.77	
	<i>For &gt;100 To 250, Deduct</i>	-0.27	
	<i>For &gt;250 To 500, Deduct</i>	-0.54	
	<i>For &gt;500, Deduct</i>	-0.80	
	<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0152	LF Temporary 8' High Chain Link Fence Panels (Portable), >12 To 18 Months	14.59	
	<i>For &gt;100 To 250, Deduct</i>	-0.43	
	<i>For &gt;250 To 500, Deduct</i>	-0.87	
	<i>For &gt;500, Deduct</i>	-1.30	
	<i>For Each LF Shade Cloth, Add</i>	3.60	

**01 General Requirements****01 50 Temporary Facilities and Controls****01 56 Temporary Barriers and Enclosures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 26 00-0153			<b>Temporary Chain Link Fence Panels (Portable), &gt;18 Months</b> (01 56 26 00-0140)		
01 56 26 00-0154	LF		Temporary 4' High Chain Link Fence Panels (Portable), >18 Months .....	10.10	
			<i>For &gt;100 To 250, Deduct</i>	-0.26	
			<i>For &gt;250 To 500, Deduct</i>	-0.52	
			<i>For &gt;500, Deduct</i>	-0.78	
			<i>For Each LF Shade Cloth, Add</i>	1.60	
01 56 26 00-0155	LF		Temporary 6' High Chain Link Fence Panels (Portable), >18 Months .....	11.20	
			<i>For &gt;100 To 250, Deduct</i>	-0.29	
			<i>For &gt;250 To 500, Deduct</i>	-0.58	
			<i>For &gt;500, Deduct</i>	-0.87	
			<i>For Each LF Shade Cloth, Add</i>	2.55	
01 56 26 00-0156	LF		Temporary 8' High Chain Link Fence Panels (Portable), >18 Months .....	15.34	
			<i>For &gt;100 To 250, Deduct</i>	-0.47	
			<i>For &gt;250 To 500, Deduct</i>	-0.94	
			<i>For &gt;500, Deduct</i>	-1.41	
			<i>For Each LF Shade Cloth, Add</i>	3.60	
01 56 26 00-0157			<b>Temporary Chain Link Fence Panels (Portable) Sandbags</b> (01 56 26 00-0140)		
01 56 26 00-0158	BAG		Temporary Chain Link Fence Panels (Portable) Sandbag .....	9.04	
			Note: Includes placement and removal.		
01 56 26 00-0159			<b>Temporary Safety Fence</b> (01 56 26)		
			Note: Includes removal after use.		
01 56 26 00-0160	LF		48" High With Posts At 8' On Center, Plastic Mesh Temporary Safety Fence .....	4.18	
<b>01 56 29</b>			<b>Temporary Protective Walkways</b> (01 56)		
01 56 29 00-0001			<b>Temporary Sidewalk Bridge Protection</b> (01 56 29)		
01 56 29 00-0002			<b>Installation of Sidewalk Bridge</b> (01 56 29 00-0001)		
			Note: Excludes material rental. See CSI section 01 56 29 00-0005 for monthly rental x length.		
01 56 29 00-0003	LF		Installation of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	212.41	
			Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
			<i>For 3 Post System, Add</i>	6.00	
			<i>For Each Additional Foot Over 8' Wide, Add</i>	3.00	
			<i>For Each Additional Foot Over 8' High, Add</i>	2.00	
			<i>For Up To 25, Add</i>	212.41	
			<i>For &gt;25 To 50, Add</i>	159.31	
			<i>For &gt;50 To 100, Add</i>	95.58	
01 56 29 00-0004	LF		Installation of Netting for Sidewalk Bridge .....	5.42	
			<i>For Up To 25, Add</i>	5.42	
			<i>For &gt;25 To 50, Add</i>	4.07	
			<i>For &gt;50 To 100, Add</i>	2.44	
01 56 29 00-0005			<b>Monthly Rental of Sidewalk Bridge</b> (01 56 29 00-0001)		
			Note: Minimum three months rental. See CSI section 01 56 29 00-0002 for installation set-up, 01 56 29 00-0016 for removal.		
01 56 29 00-0006	LF		Monthly Rental Of Up To 8' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	15.35	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.30	
			<i>For Up To 25, Add</i>	15.35	
			<i>For &gt;25 To 50, Add</i>	11.51	
			<i>For &gt;50 To 100, Add</i>	6.91	
01 56 29 00-0007	LF		Monthly Rental Of Up To 8' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	17.29	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.59	
			<i>For Up To 25, Add</i>	17.29	
			<i>For &gt;25 To 50, Add</i>	12.97	
			<i>For &gt;50 To 100, Add</i>	7.78	
01 56 29 00-0008	LF		Monthly Rental Of Up To 8' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	19.21	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.88	
			<i>For Up To 25, Add</i>	19.21	
			<i>For &gt;25 To 50, Add</i>	14.41	
			<i>For &gt;50 To 100, Add</i>	8.64	
01 56 29 00-0009	LF		Monthly Rental Of 8' - 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	19.21	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	2.88	
			<i>For Up To 25, Add</i>	19.21	
			<i>For &gt;25 To 50, Add</i>	14.41	
			<i>For &gt;50 To 100, Add</i>	8.64	
01 56 29 00-0010	LF		Monthly Rental Of 8' - 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly .....	21.11	
			Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
			<i>For 3 Post System, Add</i>	3.17	
			<i>For Up To 25, Add</i>	21.11	
			<i>For &gt;25 To 50, Add</i>	15.83	
			<i>For &gt;50 To 100, Add</i>	9.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 56 29 00-0011 LF Monthly Rental Of 8' - 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	24.99	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	3.75	
For Up To 25, Add	24.99	
For >25 To 50, Add	18.74	
For >50 To 100, Add	11.25	
01 56 29 00-0012 LF Monthly Rental Of Over 12' Wide And 8' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	23.07	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	3.46	
For Up To 25, Add	23.07	
For >25 To 50, Add	17.30	
For >50 To 100, Add	10.38	
01 56 29 00-0013 LF Monthly Rental Of Over 12' Wide, 8' - 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	26.91	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	4.04	
For Up To 25, Add	26.91	
For >25 To 50, Add	20.18	
For >50 To 100, Add	12.11	
01 56 29 00-0014 LF Monthly Rental Of Over 12' Wide, Over 12' High, 2 Post System, Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	28.79	
Note: Includes spanning openings, planking and parapet, lighting and maintenance.		
For 3 Post System, Add	4.32	
For Up To 25, Add	28.79	
For >25 To 50, Add	21.59	
For >50 To 100, Add	12.96	
01 56 29 00-0015 LF Monthly Rental of Netting for Sidewalk Bridge.....	2.88	
For Up To 25, Add	2.88	
For >25 To 50, Add	2.16	
For >50 To 100, Add	1.30	
<b>01 56 29 00-0016 Removal of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0017 LF Removal Of Heavy Duty Steel Post And Beam Sidewalk Bridge Assembly.....	44.21	
Note: Includes spanning openings, planking and parapet, lighting, up to 8' wide, up to 8' high, 2 post system.		
For 3 Post System, Add	2.50	
For Each Additional Foot Over 8' Wide, Add	1.25	
For Each Additional Foot Over 8' High, Add	0.75	
For Up To 25, Add	44.21	
For >25 To 50, Add	33.16	
For >50 To 100, Add	19.89	
01 56 29 00-0018 LF Removal Of Netting For Sidewalk Bridge.....	2.71	
For Up To 25, Add	2.71	
For >25 To 50, Add	2.03	
For >50 To 100, Add	1.22	
<b>01 56 29 00-0019 After Hour Emergency Repair Of Sidewalk Bridge (01 56 29 00-0001)</b>		
01 56 29 00-0020 EA Replace Light Fixture, After Hour Emergency Repair Of Sidewalk Bridge.....	307.36	
For Each Additional Replacement Of Light Fixture, Add	153.68	
01 56 29 00-0021 EA Replace Ground Tail, After Hour Emergency Repair Of Sidewalk Bridge.....	204.91	
For Each Additional Replacement Of Ground Tail, Add	102.46	
01 56 29 00-0022 EA Replace Ground Rod And Tail, After Hour Emergency Repair Of Sidewalk Bridge.....	256.14	
For Each Additional Replacement Of Ground Rod And Ground Tail, Add	128.07	
01 56 29 00-0023 LF Replace Rigid Conduit And Wire, After Hour Emergency Repair Of Sidewalk Bridge.....	40.98	
For Each Additional Replacement Rigid Conduit And Wire, Add	20.49	
<b>01 56 29 00-0024 Temporary Safety Nets (01 56 29)</b>		
Note: Includes removal after use.		
01 56 29 00-0025 SF Small Mesh Debris Netting.....	2.60	
Note: Includes 3" molded plastic base plates, plastic cable ties, and 1/4", 7x9 aircraft cable tied off to structure, not including anchors.		
<b>01 56 33 Temporary Security Barriers (01 56)</b>		
<b>01 56 33 00-0001 Board-up Opening With Plywood (01 56 33)</b>		
Note: For use where directed by owner for boarding up door and window openings.		
01 56 33 00-0002 OPNGRemoval Of Protective Barrier To Allow Work In Building, Reseal At End Of Day, Per Opening Per Day.....	18.49	
01 56 33 00-0003 SF 5/8" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	9.82	
01 56 33 00-0004 SF 3/4" Thick Plywood, 2" x 4" Wood Stud Framing And Fasteners, For Board-Up Opening.....	11.39	
<b>01 56 33 00-0005 Temporary Pedestrian Barricade (01 56 33)</b>		
Note: Portable, interlocking galvanized steel fence with pivoting legs.		
01 56 33 00-0006 DAY 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	14.34	
01 56 33 00-0007 WK 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	34.83	
01 56 33 00-0008 MO 3-1/2' x 7-1/2' Galvanized Steel Pedestrian Barricade, Rental.....	104.50	
<b>01 56 39 Temporary Tree and Plant Protection (01 56)</b>		
<b>01 56 39 00-0001 Temporary Tree Guards (01 56 39)</b>		
Note: Includes digging holes and removal after use.		
01 56 39 00-0002 EA Up To 4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	249.42	

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 56 Temporary Barriers and Enclosures**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

01 56 39 00-0003	EA	4' x 4' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	290.72
01 56 39 00-0004	EA	6' x 6' Temporary Tree Guard, 2" x 4" Wood Stud Framing Construction, 4 Uprights Set In Earth 2' Deep, With Double Rail.....	314.86

**01 57 Temporary Controls** (01 50)

**01 57 13 Temporary Erosion and Sediment Control** (01 57)

See CSI section 31 25 00 00-0000 for temporary erosion and sediment control.

**01 57 23 Temporary Storm Water Pollution Control** (01 57)

See CSI section 31 25 00 00-0000 for temporary storm water pollution control.

**01 57 23 00-0001 Temporary Drain Guard** (01 57 23)

Note: Includes removal after use.

01 57 23 00-0002	EA	36" x 48" x 18" Non-Woven Polypropylene Trash and Debris Drain Guard (Ultra-Drain Guard® 9227).....	124.04
01 57 23 00-0003	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9217).....	121.93
		Note: Up to 0.87 gallons oil, up to 40 lbs sediment.	
01 57 23 00-0004	EA	36" x 48" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9219).....	151.62
		Note: Up to 1.38 gallons oil, up to 40 lbs sediment.	
01 57 23 00-0005	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9356).....	149.49
		Note: Up to 1.55 gallons oil, up to 40 lbs sediment.	
01 57 23 00-0006	EA	60" x 60" x 18" Non-Woven Polypropylene Oil and Sediment Drain Guard (Ultra-Drain Guard® 9358).....	181.31
		Note: Up to 2.06 gallons oil, up to 40 lbs sediment.	

**01 57 33 Temporary Security** (01 57)

**01 57 33 00-0001 Temporary Construction Cameras (OxBlue)** (01 57 33)

Note: High resolution image is taken every 10 to 15 minutes. Includes project specific mounting option unless non-penetrating roof mount is required. Includes configuration, installation, removing and cleaning after completion of a project and turning over to the owner.

**01 57 33 00-0002 Temporary Construction Cameras (OxBlue)** (01 57 33 00-0001)

Note: Includes weather-proof aluminum enclosure with environmental controls, integrated industrial cellular modem, wide-angle lens with a 78 degree horizontal field of view, and remotely adjustable optical zoom. Excludes non-penetrating roof mounts.

01 57 33 00-0003	EA	4 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue).....	9,127.04
		<i>For Owner Furnished Materials, Deduct</i>	-8,432.05
		<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	459.00
		<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	4,406.40
		<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	8,262.00
		<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	11,566.80
01 57 33 00-0004	EA	6 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue).....	9,520.46
		<i>For Owner Furnished Materials, Deduct</i>	-8,825.47
		<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	478.00
		<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	4,588.80
		<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	8,604.00
		<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	12,045.60
01 57 33 00-0005	EA	8 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue).....	10,499.93
		<i>For Owner Furnished Materials, Deduct</i>	-9,804.94
		<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	574.00
		<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	5,510.40
		<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	10,332.00
		<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	14,464.80
01 57 33 00-0006	EA	12 MP, High Resolution Temporary Construction Camera With Enclosure (OxBlue).....	11,481.45
		<i>For Owner Furnished Materials, Deduct</i>	-10,786.46
		<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	622.00
		<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	5,971.20
		<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	11,196.00
		<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	15,674.40
01 57 33 00-0007	EA	12 Hour Solar Station For Temporary Construction Cameras (OxBlue).....	7,636.68
		<i>For Owner Furnished Materials, Deduct</i>	-6,864.48
01 57 33 00-0008	EA	24 Hour Solar Station For Temporary Construction Cameras (OxBlue).....	9,597.67
		<i>For Owner Furnished Materials, Deduct</i>	-8,825.47

**01 57 33 00-0009 PTZ Temporary Construction Cameras With Robotic Base (OxBlue)** (01 57 33 00-0001)

Note: Includes robotic base, weather-proof aluminum enclosure with environmental controls, integrated industrial cellular modem, wide-angle lens with a 360 degree total, remotely adjustable field of view, and remotely adjustable optical zoom. Excludes non-penetrating roof mounts.

01 57 33 00-0010	EA	4 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue).....	25,557.91
		<i>For Owner Furnished Materials, Deduct</i>	-24,515.43
		<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	473.00
		<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	4,540.80
		<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	8,514.00
		<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	11,919.60
01 57 33 00-0011	EA	6 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue).....	26,539.43
		<i>For Owner Furnished Materials, Deduct</i>	-25,496.95
		<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	516.00
		<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	4,953.60
		<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	9,288.00
		<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	13,003.20
01 57 33 00-0012	EA	8 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue).....	28,500.42
		<i>For Owner Furnished Materials, Deduct</i>	-27,457.94
		<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	602.00
		<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	5,779.20
		<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	10,836.00
		<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	31,085.67



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 33 00-0013	EA		12 MP, High Resolution PTZ Temporary Construction Camera With Enclosure And Robotic Base (OxBlue).....	30,461.41	
			<i>For Owner Furnished Materials, Deduct</i>	-29,418.93	
			<i>For 1 Month Prepaid Hosting And Wireless Service, Add</i>	622.00	
			<i>For 1 Year Prepaid Hosting And Wireless Service, Add</i>	5,971.20	
			<i>For 2 Years Prepaid Hosting And Wireless Service, Add</i>	11,196.00	
			<i>For 3 Years Prepaid Hosting And Wireless Service, Add</i>	15,674.40	
01 57 33 00-0014	EA		12 Hour Solar Station For PTZ Temporary Construction Cameras With Robotic Base (OxBlue).....	11,558.66	
			<i>For Owner Furnished Materials, Deduct</i>	-10,786.46	
01 57 33 00-0015	EA		24 Hour Solar Station For PTZ Temporary Construction Cameras With Robotic Base (OxBlue).....	15,089.26	
			<i>For Owner Furnished Materials, Deduct</i>	-14,317.06	
<b>01 57 33 00-0016 Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue) (01 57 33 00-0001)</b>					
01 57 33 00-0017	EA		34" x 40" With 8' Mast, Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue).....	947.78	
			<i>For Owner Furnished Materials, Deduct</i>	-793.34	
01 57 33 00-0018	EA		72" x 72" With 8' Mast, Non-Penetrating Roof Mount For Temporary Construction Cameras (OxBlue).....	1,340.06	
			<i>For Owner Furnished Materials, Deduct</i>	-1,185.62	
<b>01 57 33 00-0019 Temporary Construction Cameras (EarthCam) (01 57 33)</b>					
Note: Includes installation, removing and cleaning after completion of a project and turning over to the owner.					
<b>01 57 33 00-0020 HD PTZ Construction Cameras (EarthCam ConstructionCam HD) (01 57 33 00-0019)</b>					
01 57 33 00-0021	EA		HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	12,099.42	
			<i>For Owner Furnished Materials, Deduct</i>	-11,056.94	
01 57 33 00-0022	EA		All Weather 4G Wireless Data Modem With Antenna For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	3,098.35	
			<i>For Owner Furnished Materials, Deduct</i>	-2,866.69	
01 57 33 00-0023	EA		16 GB Image Backup For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	1,178.23	
01 57 33 00-0024	EA		Wall Mount With Pole Adapter For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	915.61	
			<i>For Owner Furnished Materials, Deduct</i>	-776.61	
01 57 33 00-0025	EA		Parapet Mount For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	559.07	
			<i>For Owner Furnished Materials, Deduct</i>	-420.07	
01 57 33 00-0026	EA		12 Hour, Solar System For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	15,158.93	
			<i>For Owner Furnished Materials, Deduct</i>	-14,386.73	
01 57 33 00-0027	EA		120" Non-Penetrating Roof Mount (NPRM) For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	1,586.76	
			<i>For Owner Furnished Materials, Deduct</i>	-1,432.32	
01 57 33 00-0028	SET		NPRM Protective Mat For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	251.24	
			<i>For Owner Furnished Materials, Deduct</i>	-204.91	
01 57 33 00-0029	EA		Configuration And Programming For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	819.64	
01 57 33 00-0030	EA		1 Month, Live Video Hosting And Robotic Software Service For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	1,014.30	
01 57 33 00-0031	EA		1 Month, 4G Wireless Data Service, Bandwidth Upgrade For HD PTZ Construction Camera (EarthCam ConstructionCam HD).....	461.05	
<b>01 57 33 00-0032 HD PTZ Network Cameras (EarthCam NetworkCam HD) (01 57 33 00-0019)</b>					
01 57 33 00-0033	EA		HD PTZ Network Camera (EarthCam NetworkCam HD).....	6,154.98	
			<i>For Owner Furnished Materials, Deduct</i>	-5,112.50	
01 57 33 00-0034	EA		4G Wireless Data Modem With Antenna, Verizon Upgrade For HD PTZ Network Camera (EarthCam NetworkCam HD).....	1,459.07	
			<i>For Owner Furnished Materials, Deduct</i>	-1,227.41	
01 57 33 00-0035	EA		Pole Mount Adapter (EarthCam NetworkCam HD).....	261.95	
			<i>For Owner Furnished Materials, Deduct</i>	-122.95	
01 57 33 00-0036	EA		Parapet Mount For HD PTZ Network Camera (EarthCam NetworkCam HD).....	343.91	
			<i>For Owner Furnished Materials, Deduct</i>	-204.91	
01 57 33 00-0037	EA		12 Hour, Solar System For HD PTZ Network Camera (EarthCam NetworkCam HD).....	15,105.65	
			<i>For Owner Furnished Materials, Deduct</i>	-14,333.45	
01 57 33 00-0038	EA		120" Non-Penetrating Roof Mount (NPRM) For HD PTZ Network Camera (EarthCam NetworkCam HD).....	1,586.76	
			<i>For Owner Furnished Materials, Deduct</i>	-1,432.32	
01 57 33 00-0039	SET		NPRM Protective Mat For HD PTZ Network Camera (EarthCam NetworkCam HD).....	466.40	
			<i>For Owner Furnished Materials, Deduct</i>	-420.07	
01 57 33 00-0040	EA		Configuration And Programming For HD PTZ Network Camera (EarthCam NetworkCam HD).....	614.73	
01 57 33 00-0041	EA		1 Month, Software Support And Archiving Service For HD PTZ Network Camera (EarthCam NetworkCam HD).....	604.48	
01 57 33 00-0042	EA		1 Month, 4G Wireless Data Service, Bandwidth Upgrade For HD PTZ Network Camera (EarthCam NetworkCam HD).....	407.77	
<b>01 57 33 00-0043 PTZ Security Cameras (EarthCam SecurityCam Lite) (01 57 33 00-0019)</b>					
01 57 33 00-0044	EA		PTZ Security Camera (EarthCam SecurityCam Lite).....	4,229.69	
			<i>For Owner Furnished Materials, Deduct</i>	-3,534.70	
01 57 33 00-0045	EA		All Weather 4G Wireless Data Modem With Antenna For PTZ Security Camera (EarthCam SecurityCam Lite).....	2,485.67	
			<i>For Owner Furnished Materials, Deduct</i>	-2,254.01	
01 57 33 00-0046	EA		Universal Pole Mount For PTZ Security Camera (EarthCam SecurityCam Lite).....	341.86	
			<i>For Owner Furnished Materials, Deduct</i>	-202.86	
01 57 33 00-0047	EA		Configuration And Programming For PTZ Security Camera (EarthCam SecurityCam Lite).....	922.10	
01 57 33 00-0048	EA		1 Month, Gold Managed Service For PTZ Security Camera (EarthCam SecurityCam Lite).....	256.14	
01 57 33 00-0049	EA		1 Month, Control Center Lite Software Support Package For PTZ Security Camera (EarthCam SecurityCam Lite).....	255.28	
01 57 33 00-0050	EA		1 Month, Wireless Data Service, Bandwidth Upgrade For PTZ Security Camera (EarthCam SecurityCam Lite).....	235.65	
<b>01 57 33 00-0051 HD Construction Cameras (EarthCam ConstructionCam Lite HD) (01 57 33 00-0019)</b>					
01 57 33 00-0052	EA		HD Construction Camera (EarthCam ConstructionCam Lite HD).....	8,985.65	
			<i>For Owner Furnished Materials, Deduct</i>	-8,290.66	
01 57 33 00-0053	EA		Universal Wall Mount For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	341.86	
			<i>For Owner Furnished Materials, Deduct</i>	-202.86	

**01 General Requirements**  
**01 50 Temporary Facilities and Controls**  
**01 57 Temporary Controls**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 57 33 00-0054	EA		Parapet Mount For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	559.07	
			<i>For Owner Furnished Materials, Deduct</i>	-420.07	
01 57 33 00-0055	EA		12 Hour, Solar System For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	15,525.72	
			<i>For Owner Furnished Materials, Deduct</i>	-14,753.52	
01 57 33 00-0056	EA		120" Non-Penetrating Roof Mount (NPRM) For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	1,586.76	
			<i>For Owner Furnished Materials, Deduct</i>	-1,432.32	
01 57 33 00-0057	SET		NPRM Protective Mat For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	251.24	
			<i>For Owner Furnished Materials, Deduct</i>	-204.91	
01 57 33 00-0058	EA		Configuration And Programming For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	819.64	
01 57 33 00-0059	EA		1 Month, Software Support And Archiving Service For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	829.89	
01 57 33 00-0060	EA		1 Month, Wireless Data Service, Bandwidth Upgrade For HD Construction Camera (EarthCam ConstructionCam Lite HD).....	235.65	
<b>01 57 33 00-0061</b>			<b>Network Video Recorders (EarthCam) (01 57 33 00-0019)</b>		
01 57 33 00-0062	EA		1,000 GB, Hardened Network Video Recorder (EarthCam).....	2,688.53	
			<i>For Owner Furnished Materials, Deduct</i>	-2,456.87	
<b>01 57 33 00-0063</b>			<b>Mobile Trailer Cameras (EarthCam Mobile TrailerCam) (01 57 33 00-0019)</b>		
01 57 33 00-0064	EA		Mobile Trailer Camera (EarthCam Mobile TrailerCam).....	63,511.85	
01 57 33 00-0065	EA		Configuration And Programming For Mobile Trailer Camera (EarthCam Mobile TrailerCam).....	1,844.19	
01 57 33 00-0066	EA		1 Month, Platinum Managed Service For Mobile Trailer Camera (EarthCam Mobile TrailerCam).....	512.28	
01 57 33 00-0067	EA		1 Month, Robotic Camera Software Support Package For Mobile Trailer Camera (EarthCam Mobile TrailerCam).....	682.18	
01 57 33 00-0068	EA		1 Month, Wireless Data Service, Bandwidth Upgrade For Mobile Trailer Camera (EarthCam Mobile TrailerCam).....	235.65	
<b>01 57 33 00-0069</b>			<b>Certified Installation Services (EarthCam) (01 57 33 00-0019)</b>		
01 57 33 00-0070	EA		Certified Installation Service (EarthCam).....	3,585.92	
<b>01 57 33 00-0071</b>			<b>Temporary Construction Camera Protection (01 57 33)</b>		
01 57 33 00-0072	EA		Galvanized Metal, Anchored Temporary CCTV Camera Protection.....	1,383.14	
<b>01 58 Project Identification (01 50)</b>			Note: Includes removal after use.		
<b>01 58 13 Temporary Project Signage (01 58)</b>					
<b>01 58 13 00-0001</b>			<b>Project Sign (01 58 13)</b>		
<b>01 58 13 00-0002</b>			<b>MDO Plywood Signs (01 58 13 00-0001)</b>		
			Note: Excludes posts.		
<b>01 58 13 00-0003</b>			<b>Reflectorized, MDO Plywood Signs (01 58 13 00-0002)</b>		
<b>01 58 13 00-0004</b>			<b>Engineer Grade, Reflectorized, MDO Plywood Signs (01 58 13 00-0003)</b>		
01 58 13 00-0005	EA		Up To 8 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	178.25	33.90
			<i>For High-Intensity Grade, Add</i>	38.65	
			<i>For Diamond Grade, Add</i>	74.55	
01 58 13 00-0006	EA		>8 To 16 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	291.78	35.45
			<i>For High-Intensity Grade, Add</i>	77.31	
			<i>For Diamond Grade, Add</i>	149.10	
01 58 13 00-0007	EA		>16 To 24 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	405.30	36.98
			<i>For High-Intensity Grade, Add</i>	115.97	
			<i>For Diamond Grade, Add</i>	223.65	
01 58 13 00-0008	EA		>24 To 32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	518.83	38.53
			<i>For High-Intensity Grade, Add</i>	154.62	
			<i>For Diamond Grade, Add</i>	298.20	
01 58 13 00-0009	SF		>32 SF, One Or Two Color Design, Engineer Grade, Reflectorized, MDO Plywood Sign.....	16.28	1.23
			<i>For High-Intensity Grade, Add</i>	4.83	
			<i>For Diamond Grade, Add</i>	9.32	
<b>01 58 13 00-0010</b>			<b>Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0002)</b>		
<b>01 58 13 00-0011</b>			<b>One Or Two Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)</b>		
01 58 13 00-0012	EA		Up To 8 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	224.46	33.90
01 58 13 00-0013	EA		>8 To 16 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	264.93	35.45
01 58 13 00-0014	EA		>16 To 24 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	327.65	36.98
01 58 13 00-0015	EA		>24 To 32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	386.91	38.53
01 58 13 00-0016	SF		>32 SF, One Or Two Color Design, Non-Reflectorized, MDO Plywood Sign.....	12.15	1.23
<b>01 58 13 00-0017</b>			<b>Full Color Design, Non-Reflectorized, MDO Plywood Signs (01 58 13 00-0010)</b>		
01 58 13 00-0018	EA		Up To 8 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	228.87	33.90
01 58 13 00-0019	EA		>8 To 16 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	288.71	35.45
01 58 13 00-0020	EA		>16 To 24 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	351.81	36.98
01 58 13 00-0021	EA		>24 To 32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	407.62	38.53
01 58 13 00-0022	SF		>32 SF, Full Color Design, Non-Reflectorized, MDO Plywood Sign.....	12.80	1.23
<b>01 58 13 00-0023</b>			<b>Fabricate And Install New Posts (01 58 13 00-0001)</b>		
			Note: Includes excavation, backfill and compaction. Excludes core drilling.		
01 58 13 00-0024	LF		Galvanized Metal Channel Sign Posts.....	19.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 58 13 00-0025	LF	4" x 4" Pressure Treated Wood Sign Posts		14.92	
01 58 13 00-0026	LF	4" x 6" Pressure Treated Wood Sign Posts		17.89	

01 58 13 00-0027	Owner Supplied Signs <small>(01 58 13 00-0001)</small>				
01 58 13 00-0028	EA	Installation And Removal Of Owner Supplied Project Sign		123.28	

**01 60 Product Requirements (01)**

**01 66 Product Storage and Handling Requirements (01 60)**

**01 66 19 Product Handling Requirements (01 66)**

01 66 19 00-0001	Transfer Delivered Materials Between Floors <small>(01 66 19)</small>				
<small>Note: For moving delivered, owner supplied or existing materials in a building.</small>					
01 66 19 00-0002	CY	Transfer Delivered Material Between Floors Via Stairs, Per Floor		23.71	
<small>Note: Quantity equals volume of materials multiplied by number of floors traveled.</small>					
01 66 19 00-0003	CY	Transfer Delivered Material Between Floors Via Elevator, Per Trip		15.41	
<small>Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.</small>					
01 66 19 00-0004	Transfer Delivered Materials Distances Greater Than 125' <small>(01 66 19)</small>				
<small>Note: For moving delivered, owner supplied or existing materials in a building.</small>					
01 66 19 00-0005	CY	Transfer Delivered Materials Distances Greater Than 125', Per CY Of Material Per 125'		9.63	
01 66 19 00-0006	Transfer Demolition Debris Between Floors <small>(01 66 19)</small>				
<small>Note: Only for use with demolition tasks.</small>					
01 66 19 00-0007	CY	Transfer Demolition Debris Between Floors Via Stairs, Per Floor		23.71	
<small>Note: Quantity equals volume of materials multiplied by number of floors traveled.</small>					
01 66 19 00-0008	CY	Transfer Demolition Debris Between Floors Via Elevator, Per Trip		15.41	
<small>Note: Quantity is not multiplied by number of floors traveled. Includes transfer of materials between elevators, if more than one bank of elevators is required.</small>					
01 66 19 00-0009	Transfer Demolition Debris Distances Greater Than 125' <small>(01 66 19)</small>				
<small>Note: Only for use with demolition tasks.</small>					
01 66 19 00-0010	CY	Transfer Demolition Debris Distances Greater Than 125', Per CY Of Material Per 125'		9.63	
01 66 19 00-0011	Moving Furniture And Furnishings <small>(01 66 19)</small>				
<small>Note: To be used when contractor is required to move furniture and furnishings occupying 55% or more of the total floor space.</small>					
01 66 19 00-0012	SF	Removal, Transportation, Return And Reinstallation Of Office Furniture And Furnishings		1.55	
<small>Note: Includes desks, tables, file cabinets, chairs, storage boxes, bookshelves, office equipment, computers, and other furniture and furnishings. Quantity equals total floor space.</small>					

**01 70 Execution and Closeout Requirements (01)**

**01 71 Examination and Preparation (01 70)**

**01 71 13 Mobilization (01 71)**

01 71 13 00-0001	Equipment Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>				
<small>Note: Excludes flagman for traffic control where necessary. Per each mobilization delivery.</small>					
01 71 13 00-0002	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Rollback Flatbed Truck		585.22	
<small>Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as trenchers, skid-steer loaders (bobcats), industrial warehouse forklifts, sweepers, scissor platform lifts, telescoping and articulating boom man lifts with up to 40' boom lengths, etc.</small>					
01 71 13 00-0003	EA	Equipment Delivery, Pickup, Mobilization And Demobilization Using A Tractor Trailer With Up To 53' Bed		1,635.99	
<small>Note: Includes loading, tie-down of equipment, delivery of equipment, off loading on site, rigging, dismantling, loading for return and transporting away. For equipment such as bulldozers, motor scrapers, hydraulic excavators, gradalls, road graders, loader-backhoes, heavy duty construction loaders, tractors, pavers, rollers, bridge finishers, straight mast construction forklifts, telescoping boom rough terrain construction forklifts, telescoping and articulating boom man lifts with &gt;40' boom lengths, etc.</small>					
01 71 13 00-0004	Crane Delivery, Pickup, Mobilization And Demobilization <small>(01 71 13)</small>				
<small>Note: Includes delivery of equipment, off loading on site and rigging. Pick-up (return) includes dismantling, loading and transporting away. Excludes flagman for traffic control where necessary.</small>					
01 71 13 00-0005	EA	Up To 20 Ton Lift Move On/Off Cost, Hydraulic Crane		624.24	
<small>Note: Includes delivery and pickup.</small>					
				<small>For &gt;30 To 60 Miles, Add</small>	156.06
				<small>For &gt;60 To 100 Miles, Add</small>	249.70
01 71 13 00-0006	EA	>20 To 40 Ton Lift Move On/Off Cost, Hydraulic Crane		1,014.38	
<small>Note: Includes delivery and pickup.</small>					
				<small>For &gt;30 To 60 Miles, Add</small>	253.60
				<small>For &gt;60 To 100 Miles, Add</small>	405.75
01 71 13 00-0007	EA	>40 To 70 Ton Lift Move On/Off Cost, Hydraulic Crane		1,404.53	
<small>Note: Includes delivery and pickup.</small>					
				<small>For &gt;30 To 60 Miles, Add</small>	351.13
				<small>For &gt;60 To 100 Miles, Add</small>	561.81

**01 General Requirements**  
**01 70 Execution and Closeout Requirements**  
**01 71 Examination and Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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01 71 13 00-0008	EA		>70 To 110 Ton Lift Move On/Off Cost, Hydraulic Crane ..... Note: Includes delivery and pickup.	2,262.86	
			For >30 To 60 Miles, Add	565.72	
			For >60 To 100 Miles, Add	905.14	
01 71 13 00-0009	EA		>110 To 125 Ton Lift Move On/Off Cost, Hydraulic Crane ..... Note: Includes delivery and pickup.	2,840.27	
			For >30 To 60 Miles, Add	710.07	
			For >60 To 100 Miles, Add	1,136.11	
01 71 13 00-0010	EA		>125 To 150 Ton Lift Move On/Off Cost, Hydraulic Crane ..... Note: Includes delivery and pickup.	3,534.74	
			For >30 To 60 Miles, Add	883.69	
			For >60 To 100 Miles, Add	1,413.90	
01 71 13 00-0011	EA		>150 To 185 Ton Lift Move On/Off Cost, Hydraulic Crane ..... Note: Includes delivery and pickup.	4,073.14	
			For >30 To 60 Miles, Add	1,018.29	
			For >60 To 100 Miles, Add	1,629.26	
01 71 13 00-0012	EA		>185 To 210 Ton Lift Move On/Off Cost, Hydraulic Crane ..... Note: Includes delivery and pickup.	4,556.92	
			For >30 To 60 Miles, Add	1,139.23	
			For >60 To 100 Miles, Add	1,822.77	
01 71 13 00-0013	EA		75 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	2,418.92	
			For >30 To 60 Miles, Add	604.73	
			For >60 To 100 Miles, Add	967.57	
01 71 13 00-0014	EA		100 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	3,823.45	
			For >30 To 60 Miles, Add	955.86	
			For >60 To 100 Miles, Add	1,529.38	
01 71 13 00-0015	EA		125 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	4,837.83	
			For >30 To 60 Miles, Add	1,209.46	
			For >60 To 100 Miles, Add	1,935.13	
01 71 13 00-0016	EA		150 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	6,008.28	
			For >30 To 60 Miles, Add	1,502.07	
			For >60 To 100 Miles, Add	2,403.31	
01 71 13 00-0017	EA		200 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	7,490.84	
			For >30 To 60 Miles, Add	1,872.71	
			For >60 To 100 Miles, Add	2,996.34	
01 71 13 00-0018	EA		250 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	8,739.31	
			For >30 To 60 Miles, Add	2,184.83	
			For >60 To 100 Miles, Add	3,495.72	
01 71 13 00-0019	EA		300 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	12,484.72	
			For >30 To 60 Miles, Add	3,121.18	
			For >60 To 100 Miles, Add	4,993.89	
01 71 13 00-0020	EA		500 Ton Lift Move On/Off Cost, Cable Controlled Lattice Boom Mechanical Crane ..... Note: Includes delivery, rigging and pickup.	17,119.68	
			For >30 To 60 Miles, Add	4,279.92	
			For >60 To 100 Miles, Add	6,847.87	

**01 71 36 Non-Destructive Concrete Examination (01 71)**

01 71 36 00-0001			<b>Electromagnetic (SIR/GPR) Survey (01 71 36)</b> Note: To locate voids, prior to moving heavy machinery to an area of concern, to locate reinforcing bars, conduits, pipes, etc., prior to core drilling or cutting existing concrete, masonry or asphalt, to locate underground utilities, underground storage tanks, etc. Electromagnetic survey includes Subsurface Interface Radar (SIR) and/or Ground Penetrating Radar (GPR).		
01 71 36 00-0002			<b>Electromagnetic (SIR/GPR) Survey (01 71 36 00-0001)</b>		
01 71 36 00-0003	EA		Up To 1 Hour On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,151.58	
01 71 36 00-0004	EA		>1 To 4 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	1,727.37	
01 71 36 00-0005	EA		>4 To 8 Hours On Site, Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	3,454.74	
01 71 36 00-0006			<b>Reports And Mapping For Electromagnetic (SIR/GPR) Surveys (01 71 36 00-0001)</b>		
01 71 36 00-0007	EA		Standard Report For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes a detailed description of the scope of work, inspection methods, and equipment used. Also includes visuals such as site locations, images of data, and site photos.	383.86	
01 71 36 00-0008	EA		GPS Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt.....	767.72	
01 71 36 00-0009	EA		CAD Mapping Of Located Utilities/Items For Electromagnetic (SIR/GPR) Survey, Earth, Concrete, Masonry Or Asphalt..... Note: Includes additions to the owner provided CAD drawing.	1,727.37	

**01 74 Cleaning and Waste Management (01 70)**

**01 74 19 Construction Waste Management and Disposal (01 74)**

Note: Tasks in this section shall be used as directed by owner.

01 74 19 00-0001			<b>Debris Chutes (01 74 19)</b> Note: Includes hopper sections and entry sections. Used as required for buildings of all heights.		
01 74 19 00-0002			<b>Steel Temporary Debris Chutes (01 74 19 00-0001)</b>		
01 74 19 00-0003	LF		18" Diameter, Steel Temporary Debris Chute.....	44.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
01 74 19 00-004 LF 30" Diameter, Steel Temporary Debris Chute.....	67.04	
<b>01 74 19 00-005 Plastic Temporary Debris Chutes (01 74 19 00-0001)</b>		
01 74 19 00-006 LF 24" Diameter, Plastic Temporary Debris Chute .....	17.54	
<i>For Steel Liner, Add</i>	3.43	
01 74 19 00-007 LF 30" Diameter, Plastic Temporary Debris Chute .....	20.11	
<i>For Steel Liner, Add</i>	3.93	
01 74 19 00-008 LF 36" Diameter, Plastic Temporary Debris Chute .....	22.66	
<i>For Steel Liner, Add</i>	4.44	
<b>01 74 19 00-009 Construction Dumpsters Rental (01 74 19)</b>		
Note: Includes service to delivery and pick-up of dumpster, hauling of debris, rental of dumpster and all applicable non-hazardous disposal fees. Cost of "each" is based on each pick-up. Use modifier for excess tons up to legal state limit. Unacceptable materials include: aerosol cans, all liquids, animals, antifreeze, appliances, asbestos, barrels, batteries, chemical products, computers, contaminated oils (mixed with solvents, gasoline, etc.), dirt, fluorescent tubes, hazardous waste, herbicides and pesticides, industrial waste, lubricating/hydraulic oil, mattresses, medical waste, microwaves, monitors, motor oil, oil filters, other flammable liquids, paint (except completely dried latex paint cans, no liquids), petroleum-contaminated soil/lead paint chips, propane tanks, radioactive material, railroad ties, solvents, televisions, tires, and transmission oil.		
01 74 19 00-010 EA 4 CY Dumpster (1 Ton Capacity), "Construction Debris" .....	466.83	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
<i>For Each Ton Over Indicated Amount, Add</i>	100.00	
01 74 19 00-011 EA 6 CY Dumpster (1 Ton) "Construction Debris" .....	503.45	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
<i>For Each Ton Over Indicated Amount, Add</i>	100.00	
01 74 19 00-012 EA 10 CY Dumpster (1.5 Ton) "Construction Debris" .....	594.98	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
<i>For Each Ton Over Indicated Amount, Add</i>	100.00	
01 74 19 00-013 EA 15 CY Dumpster (2 Ton) "Construction Debris" .....	637.49	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
<i>For Each Ton Over Indicated Amount, Add</i>	100.00	
01 74 19 00-014 EA 20 CY Dumpster (3 Ton) "Construction Debris" .....	750.00	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
<i>For Each Ton Over Indicated Amount, Add</i>	100.00	
01 74 19 00-015 EA 30 CY Dumpster (4 Ton) "Construction Debris" .....	879.96	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
<i>For Each Ton Over Indicated Amount, Add</i>	100.00	
01 74 19 00-016 EA 40 CY Dumpster (6 Ton) "Construction Debris" .....	994.98	
Note: Includes delivery of dumpster, rental cost, pick-up cost, hauling, and disposal fee. Non-hazardous material.		
<i>For Each Ton Over Indicated Amount, Add</i>	100.00	
<b>01 74 19 00-017 Concrete Washout Service (01 74 19)</b>		
01 74 19 00-018 MO Ramplless Concrete Washout Bin .....	645.44	
Note: Includes delivery.		
01 74 19 00-019 MO Ramped Concrete Washout Bin .....	774.53	
Note: Includes delivery.		
01 74 19 00-020 EA Interim Vacuum Service, Concrete Washout Bin .....	634.50	
Note: Includes vacuum and recycle excess clear liquid from the unfilled bin to allow additional space for washout material.		
01 74 19 00-021 EA Vacuum, Pickup, Swap And Dump, Concrete Washout Bin .....	1,374.75	
Note: Includes vacuum the liquid from the full bin and pick up the bin, and recycle all material. An empty bin will be left at the site if the project is not completed.		
<b>01 74 19 00-022 Debris Processing Fee (01 74 19)</b>		
<b>01 74 19 00-023 Material Recycling Fees (01 74 19 00-0022)</b>		
Note: Not to be used with Dumpster Tasks which includes the Landfill Dump Fee. Excludes hauling.		
01 74 19 00-024 CY Drop-Off Asphalt At Recycling Center .....	35.70	
01 74 19 00-025 CY Drop-Off Non Reinforced Concrete At Recycling Center .....	30.67	
01 74 19 00-026 CY Drop-Off Reinforced Concrete At Recycling Center .....	36.79	
01 74 19 00-027 CY Drop-Off Brick/Block At Recycling Center .....	48.68	
01 74 19 00-028 CY Drop-Off Dirt At Recycling Center .....	27.21	
01 74 19 00-029 CY Drop-Off Dimensional Lumber At Re-Cycling Center .....	11.16	
<b>01 74 19 00-030 Landfill Dump Fees (01 74 19 00-0022)</b>		
Note: Does not apply when material is transferred to owner's site or facility, or with use of dumpsters. Excludes hauling. See CSI section 01 74 19 00-0034 for hauling.		
01 74 19 00-031 CY Trees, Stumps And Brush, Landfill Dump Fee .....	46.79	
01 74 19 00-032 CY Mixed Asphalt, Concrete, Gravel And Subgrade Material, Landfill Dump Fee .....	63.65	
01 74 19 00-033 TON Traditional Building Construction Materials, Landfill Dump Fee .....	136.00	
<b>01 74 19 00-034 Hauling (01 74 19)</b>		
Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one way mileage) times the number of cubic yards being transported. For example, to haul 8 CY to a site 14 miles away, the quantity is calculated as follows: 14 miles x 8 CY = 112 CYM. Use both hauling tasks for distances greater than 15 miles. To haul 28 CY to a site 32 miles away, the quantity for the task to haul the first 15 miles is calculated: 15 miles x 28 CY = 420 CYM. The quantity for the additional hauling task over the first 15 miles is calculated: 32 total miles less 15 initial miles equals 17 miles x 28 CY = 476 CYM.		
01 74 19 00-035 CYM Hauling On Paved Roads, First 15 Miles .....	1.41	
01 74 19 00-036 CYM Hauling On Paved Roads, Miles Over Initial 15 Miles .....	0.93	



<b>01</b>	<b>01</b>	<b>General Requirements</b>
	<b>01 95</b>	<b>Residential Construction</b>
	<b>01 74</b>	<b>Cleaning and Waste Management</b>

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**01 95 Residential Construction** (01)

**01 95 07 Residential - Thermal and Moisture Protection** (01 95)

01 95 07 00-0001		Residential Roofing <small>(01 95 07)</small>		
01 95 07 00-0002		Flashing <small>(01 95 07 00-0001)</small>		
01 95 07 00-0003	SF	Residential Aluminum Valley Flashing.....	39.27	3.44
01 95 07 00-0004	SF	Residential Aluminum Step Flashing .....	41.87	4.27
01 95 07 00-0005	SF	Copper Valley Flashing.....	26.18	3.44
01 95 07 00-0006	SF	Residential Copper Step Flashing .....	28.78	4.27

**01 95 08 Residential - Doors and Windows** (01 95)

01 95 08 00-0001		Residential Window Barrier <small>(01 95 08)</small>		
01 95 08 00-0002	SF	Inoperable/Fixed, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR5Z).....	28.41	0.89
01 95 08 00-0003	SF	Operable, 12 Mesh (0.028") Stainless Steel Wire Cloth Infill, Level 5, Steel Narrowline Residential Security Screen (Kane SNR50).....	42.75	0.89

**END OF SECTION 01**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**02 Existing Conditions**

**02 20 Assessment** (02)

**02 25 Existing Material Assessment** (02 20)

**02 25 16 Existing Concrete, Masonry or Asphalt Assessment** (02 25)  
See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

**02 25 16 13 Concrete Assessment Drilling** (02 25 16)  
See CSI section 01 71 36 00-0000 for non-destructive concrete examination.

**02 30 Subsurface Investigation** (02)

**02 32 Geotechnical Investigations** (02 30)

**02 32 13 Subsurface Drilling and Sampling** (02 32)  
See CSI section 01 45 23 00-0000 for testing and lab reports.

<b>02 32 13 00-0001</b>	<b>Mobilization Of Drilling Crew</b> <small>(02 32 13)</small>		
02 32 13 00-0002	EA Mobilization Of Drilling Crew .....		1,532.93
<b>02 32 13 00-0003</b>	<b>Auger Borings</b> <small>(02 32 13)</small>		
02 32 13 00-0004	LF Standard Auger Hole With Split Spoon Sample At 5' Intervals .....		46.17
<b>02 32 13 00-0005</b>	<b>Cased Borings In Earth, With Samples</b> <small>(02 32 13)</small>		
	Note: All types of soils.		
02 32 13 00-0006	LF 2-1/2" Diameter Cased Borings In Earth, With Samples .....		109.19
02 32 13 00-0007	LF 4" Diameter Cased Borings In Earth, With Samples .....		186.67
<b>02 32 13 00-0008</b>	<b>Drilling In Rock, BW Core (2.125")</b> <small>(02 32 13)</small>		
02 32 13 00-0009	LF Drill In Rock, BW Core, With Casing .....		116.76
	Note: Includes sampling.		
02 32 13 00-0010	EA Drill In Rock, With BW Core Boxes .....		10.58
<b>02 32 13 00-0011</b>	<b>Drilling In Rock, NW Core (2.98")</b> <small>(02 32 13)</small>		
02 32 13 00-0012	LF Drill In Rock, NW Core, With Casing .....		150.63
	Note: Includes sampling.		
02 32 13 00-0013	EA Drill In Rock, With NW Core Boxes .....		12.18
<b>02 32 13 00-0014</b>	<b>Test Pits For Boring Activities</b> <small>(02 32 13)</small>		
	Note: Excludes backfill. See CSI section 31 23 16 36-0016 for backfill.		
<b>02 32 13 00-0015</b>	<b>Backhoe Dug Test Pits</b> <small>(02 32 13 00-0014)</small>		
02 32 13 00-0016	CY Excavation For Test Pit, Light Material, Backhoe Excavation .....		89.62
02 32 13 00-0017	CY Excavation For Test Pits, Medium Material, Backhoe Excavation .....		104.55
02 32 13 00-0018	CY Excavation For Test Pit, Heavy Material, Backhoe Excavation .....		139.40
<b>02 32 13 00-0019</b>	<b>Hand-Dug Test Pits</b> <small>(02 32 13 00-0014)</small>		
02 32 13 00-0020	CY Excavation For Test Pit, Light Soil, Hand Excavation .....		273.93
02 32 13 00-0021	CY Excavation For Test Pit, Heavy Soil, Hand Excavation .....		493.07
<b>02 32 13 00-0022</b>	<b>Shelby Tube Sampling</b> <small>(02 32 13)</small>		
02 32 13 00-0023	EA Shelby Tube Sampling .....		55.46
02 32 13 00-0024	EA Penetration Test .....		45.19
<b>02 32 13 00-0025</b>	<b>Grouting</b> <small>(02 32 13)</small>		
02 32 13 00-0026	VLF Boreholes .....		10.51

**02 32 19 Exploratory Excavations** (02 32)

<b>02 32 19 00-0001</b>	<b>Hydro Excavation</b> <small>(02 32 19)</small>		
	Note: Assumes on-site disposal.		
02 32 19 00-0002	EA Hydro Excavation, Mobilization/Demobilization .....		197.53
02 32 19 00-0003	EA Hydro Excavation, Minimum Charge .....		790.12
	Note: For projects where the total charge is less than the "Hydro Excavation Minimum" cost, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 32 19 00-0004	CY Hydro Excavation, Normal Soil Conditions (Hydro-Vac Truck) .....		43.89
	Note: Normal soil conditions consist of silt, sand and gravel.		
02 32 19 00-0005	CY Hydro Excavation, Adverse Soil Conditions (Hydro-Vac Truck) .....		70.23
	Note: Adverse soil conditions consist of clay, glacial till and rocks.		

**02 40 Demolition and Structure Moving** (02)

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**02 41 Demolition** (02 40)**02 41 13 Selective Site Demolition** (02 41)**02 41 13 13 Paving Removal** (02 41 13)**02 41 13 13-0001 By Machine, Break-up And Leave In Place Bituminous And Concrete****Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0018 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0002	SY	Up To 3" By Machine, Break-up And Leave In Place Bituminous Paving .....	9.04
		For >500 To 1,000, Deduct .....	-0.90
		For >1,000 To 2,500, Deduct .....	-1.63
		For >2,500 To 5,000, Deduct .....	-2.35
		For >5,000 To 10,000, Deduct .....	-3.07
		For >10,000, Deduct .....	-3.80
02 41 13 13-0003	SY	>3" To 6" By Machine, Break-up And Leave In Place Bituminous Paving .....	13.56
		For >500 To 1,000, Deduct .....	-1.36
		For >1,000 To 2,500, Deduct .....	-2.44
		For >2,500 To 5,000, Deduct .....	-3.53
		For >5,000 To 10,000, Deduct .....	-4.61
		For >10,000, Deduct .....	-5.70
02 41 13 13-0004	SY	>6" To 9" By Machine, Break-up And Leave In Place Bituminous Paving .....	18.08
		For >500 To 1,000, Deduct .....	-1.81
		For >1,000 To 2,500, Deduct .....	-3.25
		For >2,500 To 5,000, Deduct .....	-4.70
		For >5,000 To 10,000, Deduct .....	-6.15
		For >10,000, Deduct .....	-7.59
02 41 13 13-0005	SY	Up To 3" By Machine, Break-up And Leave In Place Concrete Paving .....	17.00
		For >500 To 1,000, Deduct .....	-1.70
		For >1,000 To 2,500, Deduct .....	-3.06
		For >2,500 To 5,000, Deduct .....	-4.42
		For >5,000 To 10,000, Deduct .....	-5.78
		For >10,000, Deduct .....	-7.14
02 41 13 13-0006	SY	>3" To 6" By Machine, Break-up And Leave In Place Concrete Paving .....	24.01
		For >500 To 1,000, Deduct .....	-2.40
		For >1,000 To 2,500, Deduct .....	-4.32
		For >2,500 To 5,000, Deduct .....	-6.24
		For >5,000 To 10,000, Deduct .....	-8.16
		For >10,000, Deduct .....	-10.08
02 41 13 13-0007	SY	>6" To 9" By Machine, Break-up And Leave In Place Concrete Paving .....	34.01
		For >500 To 1,000, Deduct .....	-3.40
		For >1,000 To 2,500, Deduct .....	-6.12
		For >2,500 To 5,000, Deduct .....	-8.84
		For >5,000 To 10,000, Deduct .....	-11.56
		For >10,000, Deduct .....	-14.28
02 41 13 13-0008	SY	>9" To 14" By Machine, Break-up And Leave In Place Concrete Paving .....	48.01
		For >500 To 1,000, Deduct .....	-4.80
		For >1,000 To 2,500, Deduct .....	-8.64
		For >2,500 To 5,000, Deduct .....	-12.48
		For >5,000 To 10,000, Deduct .....	-16.32
		For >10,000, Deduct .....	-20.16
02 41 13 13-0009	SY	>14" To 19" By Machine, Break-up And Leave In Place Concrete Paving .....	62.80
		For >500 To 1,000, Deduct .....	-6.28
		For >1,000 To 2,500, Deduct .....	-11.30
		For >2,500 To 5,000, Deduct .....	-16.33
		For >5,000 To 10,000, Deduct .....	-21.35
		For >10,000, Deduct .....	-26.38
02 41 13 13-0010	SY	>19" To 24" By Machine, Break-up And Leave In Place Concrete Paving .....	81.63
		For >500 To 1,000, Deduct .....	-8.16
		For >1,000 To 2,500, Deduct .....	-14.69
		For >2,500 To 5,000, Deduct .....	-21.22
		For >5,000 To 10,000, Deduct .....	-27.75
		For >10,000, Deduct .....	-34.28

**02 41 13 13-0011 By Hand, Break-up And Leave In Place Bituminous And Concrete Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles with jackhammer and hand tools. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. These tasks are not to be used in conjunction with any other loading activities or other break-up tasks. Excludes saw cutting (where required) and disposal. See CSI section 02 41 13 13-0037 for breaking-up, removal and loading as a combined operation, 02 41 19 13-0001 for saw cutting.

02 41 13 13-0012	SF	Up To 3" By Hand, Break-up And Leave In Place Bituminous Paving .....	2.37
02 41 13 13-0013	SF	>3" To 6" By Hand, Break-up And Leave In Place Bituminous Paving .....	3.02
02 41 13 13-0014	SF	>6" To 9" By Hand, Break-up And Leave In Place Bituminous Paving .....	4.00
02 41 13 13-0015	SF	Up To 3" By Hand, Break-up And Leave In Place Concrete Paving .....	2.98
02 41 13 13-0016	SF	>3" To 6" By Hand, Break-up And Leave In Place Concrete Paving .....	3.78
02 41 13 13-0017	SF	>6" To 9" By Hand, Break-up And Leave In Place Concrete Paving .....	4.98

**02 41 13 13-0018 By Machine, Break-up And Remove Bituminous And Concrete Paving** (02 41 13 13)

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles, breaking into manageable sizes by machine and loading into truck, dumpster or moving material to stockpile. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 13 13-0019 SY Up To 3" By Machine, Break-up And Remove Bituminous Paving .....	18.98	
For Elevated Slab, Add	9.49	
For >500 To 1,000, Deduct	-1.90	
For >1,000 To 2,500, Deduct	-3.42	
For >2,500 To 5,000, Deduct	-4.93	
For >5,000 To 10,000, Deduct	-6.45	
For >10,000, Deduct	-7.97	
02 41 13 13-0020 SY >3" To 6" By Machine, Break-up And Remove Bituminous Paving .....	25.92	
For Elevated Slab, Add	12.96	
For >500 To 1,000, Deduct	-2.59	
For >1,000 To 2,500, Deduct	-4.67	
For >2,500 To 5,000, Deduct	-6.74	
For >5,000 To 10,000, Deduct	-8.81	
For >10,000, Deduct	-10.89	
02 41 13 13-0021 SY >6" To 9" By Machine, Break-up And Remove Bituminous Paving .....	35.96	
For Elevated Slab, Add	17.98	
For >500 To 1,000, Deduct	-3.60	
For >1,000 To 2,500, Deduct	-6.47	
For >2,500 To 5,000, Deduct	-9.35	
For >5,000 To 10,000, Deduct	-12.23	
For >10,000, Deduct	-15.10	
02 41 13 13-0022 SY >9" To 12" By Machine, Break-up And Remove Bituminous Paving .....	46.92	
For Elevated Slab, Add	23.46	
For >500 To 1,000, Deduct	-4.69	
For >1,000 To 2,500, Deduct	-8.45	
For >2,500 To 5,000, Deduct	-12.20	
For >5,000 To 10,000, Deduct	-15.95	
For >10,000, Deduct	-19.71	
02 41 13 13-0023 SY >12" To 15" By Machine, Break-up And Remove Bituminous Paving .....	65.30	
For Elevated Slab, Add	32.65	
For >500 To 1,000, Deduct	-6.53	
For >1,000 To 2,500, Deduct	-11.75	
For >2,500 To 5,000, Deduct	-16.98	
For >5,000 To 10,000, Deduct	-22.20	
For >10,000, Deduct	-27.43	
02 41 13 13-0024 SY Up To 3" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	21.84	
For Elevated Slab, Add	10.92	
For >500 To 1,000, Deduct	-2.18	
For >1,000 To 2,500, Deduct	-3.93	
For >2,500 To 5,000, Deduct	-5.68	
For >5,000 To 10,000, Deduct	-7.43	
For >10,000, Deduct	-9.17	
02 41 13 13-0025 SY >3" To 6" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	28.57	
For Elevated Slab, Add	14.29	
For >500 To 1,000, Deduct	-2.86	
For >1,000 To 2,500, Deduct	-5.14	
For >2,500 To 5,000, Deduct	-7.43	
For >5,000 To 10,000, Deduct	-9.71	
For >10,000, Deduct	-12.00	
02 41 13 13-0026 SY >6" To 9" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	51.01	
For Elevated Slab, Add	25.51	
For >500 To 1,000, Deduct	-5.10	
For >1,000 To 2,500, Deduct	-9.18	
For >2,500 To 5,000, Deduct	-13.26	
For >5,000 To 10,000, Deduct	-17.34	
For >10,000, Deduct	-21.42	
02 41 13 13-0027 SY >9" To 14" By Machine, Break-up And Remove Non-Reinforced Concrete Paving .....	66.65	
For Elevated Slab, Add	33.33	
For >500 To 1,000, Deduct	-6.67	
For >1,000 To 2,500, Deduct	-12.00	
For >2,500 To 5,000, Deduct	-17.33	
For >5,000 To 10,000, Deduct	-22.66	
For >10,000, Deduct	-27.99	
02 41 13 13-0028 SY Up To 3" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	28.98	
For Elevated Slab, Add	14.49	
For >500 To 1,000, Deduct	-2.90	
For >1,000 To 2,500, Deduct	-5.22	
For >2,500 To 5,000, Deduct	-7.53	
For >5,000 To 10,000, Deduct	-9.85	
For >10,000, Deduct	-12.17	
02 41 13 13-0029 SY >3" To 6" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	37.54	
For Elevated Slab, Add	18.77	
For >500 To 1,000, Deduct	-3.75	
For >1,000 To 2,500, Deduct	-6.76	
For >2,500 To 5,000, Deduct	-9.76	
For >5,000 To 10,000, Deduct	-12.76	
For >10,000, Deduct	-15.77	
02 41 13 13-0030 SY >6" To 9" By Machine, Break-up And Remove Welded Wire Reinforced Concrete Paving .....	62.24	
For Elevated Slab, Add	31.12	
For >500 To 1,000, Deduct	-6.22	
For >1,000 To 2,500, Deduct	-11.20	
For >2,500 To 5,000, Deduct	-16.18	
For >5,000 To 10,000, Deduct	-21.16	
For >10,000, Deduct	-26.14	
02 41 13 13-0031 SY Up To 3" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	31.42	
For Elevated Slab, Add	15.71	
For >500 To 1,000, Deduct	-3.14	
For >1,000 To 2,500, Deduct	-5.66	
For >2,500 To 5,000, Deduct	-8.17	
For >5,000 To 10,000, Deduct	-10.68	
For >10,000, Deduct	-13.20	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 13 13-0032	SY	>3" To 6" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	40.41
		<i>For Elevated Slab, Add</i>	20.21
		<i>For &gt;500 To 1,000, Deduct</i>	-4.04
		<i>For &gt;1,000 To 2,500, Deduct</i>	-7.27
		<i>For &gt;2,500 To 5,000, Deduct</i>	-10.51
		<i>For &gt;5,000 To 10,000, Deduct</i>	-13.74
		<i>For &gt;10,000, Deduct</i>	-16.97
02 41 13 13-0033	SY	>6" To 9" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	72.24
		<i>For Elevated Slab, Add</i>	36.12
		<i>For &gt;500 To 1,000, Deduct</i>	-7.22
		<i>For &gt;1,000 To 2,500, Deduct</i>	-13.00
		<i>For &gt;2,500 To 5,000, Deduct</i>	-18.78
		<i>For &gt;5,000 To 10,000, Deduct</i>	-24.56
		<i>For &gt;10,000, Deduct</i>	-30.34
02 41 13 13-0034	SY	>9" To 14" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	94.28
		<i>For Elevated Slab, Add</i>	47.14
		<i>For &gt;500 To 1,000, Deduct</i>	-9.43
		<i>For &gt;1,000 To 2,500, Deduct</i>	-16.97
		<i>For &gt;2,500 To 5,000, Deduct</i>	-24.51
		<i>For &gt;5,000 To 10,000, Deduct</i>	-32.06
		<i>For &gt;10,000, Deduct</i>	-39.60
02 41 13 13-0035	SY	>14" To 19" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	123.26
		<i>For Elevated Slab, Add</i>	61.63
		<i>For &gt;500 To 1,000, Deduct</i>	-12.33
		<i>For &gt;1,000 To 2,500, Deduct</i>	-22.19
		<i>For &gt;2,500 To 5,000, Deduct</i>	-32.05
		<i>For &gt;5,000 To 10,000, Deduct</i>	-41.91
		<i>For &gt;10,000, Deduct</i>	-51.77
02 41 13 13-0036	SY	>19" To 24" By Machine, Break-up And Remove Rod Reinforced Concrete Paving .....	149.58
		<i>For Elevated Slab, Add</i>	74.79
		<i>For &gt;500 To 1,000, Deduct</i>	-14.96
		<i>For &gt;1,000 To 2,500, Deduct</i>	-26.92
		<i>For &gt;2,500 To 5,000, Deduct</i>	-38.89
		<i>For &gt;5,000 To 10,000, Deduct</i>	-50.86
		<i>For &gt;10,000, Deduct</i>	-62.82

**02 41 13 13-0037 By Hand, Break-up And Remove Bituminous And Concrete Paving (02 41 13 13)**

Note: Includes slabs, pavements, sidewalks and base courses. Includes work around obstacles. Work includes breaking into manageable size with jackhammer and hand tools, removal and loading onto a truck or dumpster. For individual work areas where conventional equipment access is limited or prohibited. Task is only to be used when requested by owner. Removal depth to include base aggregate. Excludes saw cutting (where required) and disposal. See CSI section 02 41 19 13-0001 for saw cutting.

02 41 13 13-0038	SF	Up To 3" By Hand, Break-up And Remove Bituminous Paving .....	5.31
02 41 13 13-0039	SF	>3" To 6" By Hand, Break-up And Remove Bituminous Paving .....	6.98
02 41 13 13-0040	SF	>6" To 9" By Hand, Break-up And Remove Bituminous Paving .....	9.08
02 41 13 13-0041	SF	Up To 3" By Hand, Break-up And Remove Concrete Paving .....	6.64
02 41 13 13-0042	SF	>3" To 6" By Hand, Break-up And Remove Concrete Paving .....	9.16
02 41 13 13-0043	SF	>6" To 9" By Hand, Break-up And Remove Concrete Paving .....	11.73

**02 41 13 13-0044 Grind Concrete (02 41 13 13)**

02 41 13 13-0045	EA	Grind Existing Sidewalks, Up To 1/2" Depth, To Remove Ridges (Tripping Hazard) .....	268.67
		Note: For each location up to 5' wide, feather up to 12" each direction.	
		<i>For &gt;1/2" To 1" Depth Of Grinding, Add</i>	40.30
		<i>For &gt;1" To 1-1/2" Depth Of Grinding, Add</i>	67.17
		<i>For Up To 5, Add</i>	53.73
		<i>For &gt;5 To 10, Add</i>	26.87
		<i>For &gt;25 To 50, Deduct</i>	-26.87
		<i>For &gt;50 To 250, Deduct</i>	-40.30
		<i>For &gt;250, Deduct</i>	-53.73
		<i>For Sidewalks &gt;5', Add</i>	26.87
		<i>For Up To 12" Additional Feathering Per Side, Add</i>	26.87

**02 41 13 15 Hydro Demolition (02 41 13)****02 41 13 15-0001 Hydro Demolition Of Concrete Pavement (02 41 13 15)**

Note: Includes removal but excludes disposal of concrete.

02 41 13 15-0002	SF	Up To 2" Depth, Hydro Demolition, Using 40,000 PSI Water Jet .....	10.05
02 41 13 15-0003	SF	>2" To 4" Depth, Hydro Demolition, Using 40,000 PSI Water Jet .....	12.56
02 41 13 15-0004	SF	>4" To 6" Depth, Hydro Demolition, Using 40,000 PSI Water Jet .....	16.80
02 41 13 15-0005	SF	>6" To 8" Depth, Hydro Demolition, Using 40,000 PSI Water Jet .....	33.44

**02 41 16 Structure Demolition (02 41)****02 41 16 13 Building Demolition (02 41 16)****02 41 16 13-0001 Building Interior Demolition (02 41 16 13)**

Note: Guttered and placed in truck or dumpsters. Based on overall floor area square foot or Gross Square Foot (GSF) including flooring under interior demolished walls. Includes all soft stripping of materials (doors and frames, non-load bearing walls, carpet, moldings, drywall, tile, ceiling, ductwork, piping, light fixtures, etc.), accessible mechanical, electrical, plumbing, overhead sprinkler, fire protection and similar systems. Excludes lead, asbestos or other contaminants or load bearing walls, mechanical, plumbing or electrical equipment such as furnaces, water heaters, plumbing fixtures, sump pumps, switchgear or panel boards. Excludes hauling, dump fees, recycling charges, and/or salvage value.

02 41 16 13-0002	GSF	Residential Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	10.42
02 41 16 13-0003	GSF	Up To 2,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	15.76
02 41 16 13-0004	GSF	>2,000 To 10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....	12.90



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

02 41 16 13-0005	GSF >10,000 SF Commercial Building Interior Demolition, Gutting And Placing Into Dumpster Or Truck .....		11.46
02 41 16 13-0006	<b>Commercial And Residential Structures Demolition</b> <small>(02 41 16 13)</small> Note: Complete demolition of structures. Includes site and building safety preparation, signage, dust control, scattered debris and other site clean-up, demolition equipment, and repair of any damaged adjacent property. Excludes (if required) utility disconnects and capping, underground or above ground storage tank removal, adjacent property protection, adjacent property cleanup, adjacent property work, site paving (asphalt or concrete), recycling fees, gutting/soft stripping (selective removal of materials for reuse) of building, site security, hazardous material abatement (including lead, asbestos, and PCBs), surveys, clearing and grubbing of site, cranes, traffic control, elevator removal, major mechanical equipment such as boilers, chillers, cooling towers, Etc., excavation or backfill, foundations, basement floor, slab-on grade, temporary fencing (installation and removal), hauling, disposal and dump fees for all debris (site and building), earthwork and erosion control. Pricing is by Hundred Cubic Foot (CCF) of complete building volume being demolished. For computing building volume, height is computed at actual floor-to-floor dimensions with attic and basement each computed at half-height, width and length are actual dimensions. Excludes salvage value.		
02 41 16 13-0007	<b>Steel Framed Building Demolition</b> <small>(02 41 16 13-0006)</small> Note: Includes masonry partitions and concrete decks.		
02 41 16 13-0008	CCF By Pneumatic Tools/Hand, Steel Framed Building Demolition .....		92.62
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct		-6.95
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct		-13.89
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct		-20.84
	For Up To 500, Add		27.79
	For >500 To 1,000, Add		18.52
	For >1,000 To 2,000, Add		9.26
	For Volume Of Area Within 15' To An Adjacent Building, Add		30.56
	For No Interior Partitions, Deduct		-23.16
02 41 16 13-0009	CCF By Machine, Steel Framed Building Demolition .....		56.43
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct		-4.23
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct		-8.46
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct		-12.70
	For Up To 500, Add		16.93
	For >500 To 1,000, Add		11.29
	For >1,000 To 2,000, Add		5.64
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		8.46
	For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		14.11
	For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		19.75
	For Volume Of Area Within 15' To An Adjacent Building, Add		18.62
	For No Interior Partitions, Deduct		-14.11
02 41 16 13-0010	<b>Reinforced Concrete Building Demolition</b> <small>(02 41 16 13-0006)</small>		
02 41 16 13-0011	CCF By Pneumatic Tools/Hand, Reinforced Concrete Building Demolition .....		116.23
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct		-8.72
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct		-17.43
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct		-26.15
	For Up To 500, Add		34.87
	For >500 To 1,000, Add		23.25
	For >1,000 To 2,000, Add		11.62
	For Volume Of Area Within 15' To An Adjacent Building, Add		38.36
	For No Interior Partitions, Deduct		-29.06
02 41 16 13-0012	CCF By Machine, Reinforced Concrete Building Demolition .....		74.52
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct		-5.59
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct		-11.18
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct		-16.77
	For Up To 500, Add		22.36
	For >500 To 1,000, Add		14.90
	For >1,000 To 2,000, Add		7.45
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		11.18
	For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		18.63
	For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		26.08
	For Volume Of Area Within 15' To An Adjacent Building, Add		24.59
	For No Interior Partitions, Deduct		-18.63
02 41 16 13-0013	<b>Reinforced Block Masonry Building Demolition</b> <small>(02 41 16 13-0006)</small>		
02 41 16 13-0014	CCF By Pneumatic Tools/Hand, Reinforced Block Masonry Building Demolition .....		98.95
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct		-7.42
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct		-14.84
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct		-22.26
	For Up To 500, Add		29.69
	For >500 To 1,000, Add		19.79
	For >1,000 To 2,000, Add		9.90
	For Volume Of Area Within 15' To An Adjacent Building, Add		32.65
	For No Interior Partitions, Deduct		-24.74
02 41 16 13-0015	CCF By Machine, Reinforced Block Masonry Building Demolition .....		62.58
	For Floor-To-Floor (Or Floor-To-Structure) Heights >12' To 15'; Deduct		-4.69
	For Floor-To-Floor (Or Floor-To-Structure) Heights >15' To 18'; Deduct		-9.39
	For Floor-To-Floor (Or Floor-To-Structure) Heights >18' To 21'; Deduct		-14.08
	For Up To 500, Add		18.77
	For >500 To 1,000, Add		12.52
	For >1,000 To 2,000, Add		6.26
	For Work >3 Stories To 6 Stories (Exclude Volume Below), Add		9.39
	For Work >6 Stories To 10 Stories (Exclude Volume Below), Add		15.65
	For Work >10 Stories To 15 Stories (Exclude Volume Below), Add		21.90
	For Volume Of Area Within 15' To An Adjacent Building, Add		20.65
	For No Interior Partitions, Deduct		-15.65
02 41 16 13-0016	<b>Masonry Construction Building Demolition</b> <small>(02 41 16 13-0006)</small>		

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0017	CCF		By Pneumatic Tools/Hand, Masonry Construction Building Demolition .....	81.67	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-6.13	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-12.25	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-18.38	
			<i>For Up To 500, Add</i>	24.50	
			<i>For &gt;500 To 1,000, Add</i>	16.33	
			<i>For &gt;1,000 To 2,000, Add</i>	8.17	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	26.95	
			<i>For No Interior Partitions, Deduct</i>	-20.42	
02 41 16 13-0018	CCF		By Machine, Masonry Construction Building Demolition .....	50.64	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-3.80	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-7.60	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-11.39	
			<i>For Up To 500, Add</i>	15.19	
			<i>For &gt;500 To 1,000, Add</i>	10.13	
			<i>For &gt;1,000 To 2,000, Add</i>	5.06	
			<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	7.60	
			<i>For Work &gt;6 Stories To 10 Stories (Exclude Volume Below), Add</i>	12.66	
			<i>For Work &gt;10 Stories To 15 Stories (Exclude Volume Below), Add</i>	17.72	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	16.71	
			<i>For No Interior Partitions, Deduct</i>	-12.66	
02 41 16 13-0019			<b>Wood Frame Construction Building Demolition</b> (02 41 16 13-0006)		
02 41 16 13-0020	CCF		By Pneumatic Tools/Hand, Wood Frame Construction Building Demolition .....	70.98	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-5.32	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-10.65	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-15.97	
			<i>For Up To 500, Add</i>	21.29	
			<i>For &gt;500 To 1,000, Add</i>	14.20	
			<i>For &gt;1,000 To 2,000, Add</i>	7.10	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	23.42	
			<i>For No Interior Partitions, Deduct</i>	-17.75	
02 41 16 13-0021	CCF		By Machine, Wood Frame Construction Building Demolition .....	43.33	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;12' To 15', Deduct</i>	-3.25	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;15' To 18', Deduct</i>	-6.50	
			<i>For Floor-To-Floor (Or Floor-To-Structure) Heights &gt;18' To 21', Deduct</i>	-9.75	
			<i>For Up To 500, Add</i>	13.00	
			<i>For &gt;500 To 1,000, Add</i>	8.67	
			<i>For &gt;1,000 To 2,000, Add</i>	4.33	
			<i>For Work &gt;3 Stories To 6 Stories (Exclude Volume Below), Add</i>	6.50	
			<i>For Volume Of Area Within 15' To An Adjacent Building, Add</i>	14.30	
			<i>For No Interior Partitions, Deduct</i>	-10.83	
02 41 16 13-0022			<b>On-Site Sorting Of Material Debris For Recycling</b> (02 41 16 13-0006)		
			Note: Per building volume.		
02 41 16 13-0023	CCF		On-Site Sorting Of Material Debris For Recycling .....	13.55	
			<i>For Up To 500, Add</i>	4.07	
			<i>For &gt;500 To 1,000, Add</i>	2.71	
			<i>For &gt;1,000 To 2,000, Add</i>	1.36	
02 41 16 13-0024			<b>Foundation Demolition</b> (02 41 16 13)		
			Note: Excludes earthwork.		
02 41 16 13-0025			<b>Concrete Foundation Demolition</b> (02 41 16 13-0024)		
02 41 16 13-0026	CF		Non-Reinforced Concrete Foundation Demolition .....	19.97	
			<i>For &gt;135 To 405, Deduct</i>	-1.75	
			<i>For &gt;405 To 810, Deduct</i>	-3.49	
			<i>For &gt;810 To 2025, Deduct</i>	-4.99	
			<i>For &gt;2025, Deduct</i>	-7.99	
02 41 16 13-0027	CF		Reinforced Concrete Foundation Demolition .....	23.97	
			<i>For &gt;135 To 405, Deduct</i>	-2.10	
			<i>For &gt;405 To 810, Deduct</i>	-4.19	
			<i>For &gt;810 To 2025, Deduct</i>	-5.99	
			<i>For &gt;2025, Deduct</i>	-9.59	
02 41 16 13-0028			<b>Concrete Foundation Wall Demolition</b> (02 41 16 13-0024)		
02 41 16 13-0029	SF		4" Thick Non-Reinforced Concrete Foundation Wall Demolition .....	8.56	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.64	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.71	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.00	
			<i>For &gt;8,000, Deduct</i>	-4.71	
02 41 16 13-0030	SF		6" Thick Non-Reinforced Concrete Foundation Wall Demolition .....	11.41	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.86	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.28	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.99	
			<i>For &gt;8,000, Deduct</i>	-6.28	
02 41 16 13-0031	SF		8" Thick Non-Reinforced Concrete Foundation Wall Demolition .....	14.27	
			<i>For &gt;500 To 2,000, Deduct</i>	-1.07	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.85	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-4.99	
			<i>For &gt;8,000, Deduct</i>	-7.85	
02 41 16 13-0032	SF		10" Thick Non-Reinforced Concrete Foundation Wall Demolition .....	17.12	
			<i>For &gt;500 To 2,000, Deduct</i>	-1.28	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-3.42	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-5.99	
			<i>For &gt;8,000, Deduct</i>	-9.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0033 SF 12" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	19.97	
<i>For &gt;500 To 2,000, Deduct</i>	-1.50	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.99	
<i>For &gt;6,000 To 8,000, Deduct</i>	-6.99	
<i>For &gt;8,000, Deduct</i>	-10.98	
02 41 16 13-0034 SF 16" Thick Non-Reinforced Concrete Foundation Wall Demolition.....	22.83	
<i>For &gt;500 To 2,000, Deduct</i>	-1.71	
<i>For &gt;2,000 To 6,000, Deduct</i>	-4.57	
<i>For &gt;6,000 To 8,000, Deduct</i>	-7.99	
<i>For &gt;8,000, Deduct</i>	-12.56	
02 41 16 13-0035 SF 4" Thick Reinforced Concrete Foundation Wall Demolition .....	10.28	
<i>For &gt;500 To 2,000, Deduct</i>	-0.77	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.06	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.60	
<i>For &gt;8,000, Deduct</i>	-5.65	
02 41 16 13-0036 SF 6" Thick Reinforced Concrete Foundation Wall Demolition .....	13.70	
<i>For &gt;500 To 2,000, Deduct</i>	-1.03	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.74	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.80	
<i>For &gt;8,000, Deduct</i>	-7.54	
02 41 16 13-0037 SF 8" Thick Reinforced Concrete Foundation Wall Demolition .....	17.12	
<i>For &gt;500 To 2,000, Deduct</i>	-1.28	
<i>For &gt;2,000 To 6,000, Deduct</i>	-3.42	
<i>For &gt;6,000 To 8,000, Deduct</i>	-5.99	
<i>For &gt;8,000, Deduct</i>	-9.42	
02 41 16 13-0038 SF 10" Thick Reinforced Concrete Foundation Wall Demolition .....	20.26	
<i>For &gt;500 To 2,000, Deduct</i>	-1.52	
<i>For &gt;2,000 To 6,000, Deduct</i>	-4.05	
<i>For &gt;6,000 To 8,000, Deduct</i>	-7.09	
<i>For &gt;8,000, Deduct</i>	-11.14	
02 41 16 13-0039 SF 12" Thick Reinforced Concrete Foundation Wall Demolition .....	23.97	
<i>For &gt;500 To 2,000, Deduct</i>	-1.80	
<i>For &gt;2,000 To 6,000, Deduct</i>	-4.79	
<i>For &gt;6,000 To 8,000, Deduct</i>	-8.39	
<i>For &gt;8,000, Deduct</i>	-13.18	
02 41 16 13-0040 SF 16" Thick Reinforced Concrete Foundation Wall Demolition .....	27.40	
<i>For &gt;500 To 2,000, Deduct</i>	-2.06	
<i>For &gt;2,000 To 6,000, Deduct</i>	-5.48	
<i>For &gt;6,000 To 8,000, Deduct</i>	-9.59	
<i>For &gt;8,000, Deduct</i>	-15.07	
<b>02 41 16 13-0041 Concrete Block Foundation Wall Demolition (02 41 16 13-0024)</b>		
02 41 16 13-0042 SF 4" Thick Non-Reinforced Concrete Block Foundation Wall Demolition .....	6.28	
<i>For &gt;500 To 2,000, Deduct</i>	-0.47	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.26	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.20	
<i>For &gt;8,000, Deduct</i>	-3.45	
02 41 16 13-0043 SF 6" Thick Non-Reinforced Concrete Block Foundation Wall Demolition .....	6.70	
<i>For &gt;500 To 2,000, Deduct</i>	-0.50	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.34	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.35	
<i>For &gt;8,000, Deduct</i>	-3.69	
02 41 16 13-0044 SF 8" Thick Non-Reinforced Concrete Block Foundation Wall Demolition .....	7.56	
<i>For &gt;500 To 2,000, Deduct</i>	-0.57	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.51	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.65	
<i>For &gt;8,000, Deduct</i>	-4.16	
02 41 16 13-0045 SF 10" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	8.70	
<i>For &gt;500 To 2,000, Deduct</i>	-0.65	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.74	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.05	
<i>For &gt;8,000, Deduct</i>	-4.79	
02 41 16 13-0046 SF 12" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	9.71	
<i>For &gt;500 To 2,000, Deduct</i>	-0.73	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.94	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.40	
<i>For &gt;8,000, Deduct</i>	-5.34	
02 41 16 13-0047 SF 16" Thick Non-Reinforced Concrete Block Foundation Wall Demolition.....	12.12	
<i>For &gt;500 To 2,000, Deduct</i>	-0.91	
<i>For &gt;2,000 To 6,000, Deduct</i>	-2.42	
<i>For &gt;6,000 To 8,000, Deduct</i>	-4.24	
<i>For &gt;8,000, Deduct</i>	-6.67	
02 41 16 13-0048 SF 4" Thick Reinforced Concrete Block Foundation Wall Demolition.....	7.54	
<i>For &gt;500 To 2,000, Deduct</i>	-0.57	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.51	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.64	
<i>For &gt;8,000, Deduct</i>	-4.15	
02 41 16 13-0049 SF 6" Thick Reinforced Concrete Block Foundation Wall Demolition.....	8.04	
<i>For &gt;500 To 2,000, Deduct</i>	-0.60	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.61	
<i>For &gt;6,000 To 8,000, Deduct</i>	-2.81	
<i>For &gt;8,000, Deduct</i>	-4.42	
02 41 16 13-0050 SF 8" Thick Reinforced Concrete Block Foundation Wall Demolition.....	9.08	
<i>For &gt;500 To 2,000, Deduct</i>	-0.68	
<i>For &gt;2,000 To 6,000, Deduct</i>	-1.82	
<i>For &gt;6,000 To 8,000, Deduct</i>	-3.18	
<i>For &gt;8,000, Deduct</i>	-4.99	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 16 13-0051	SF		10" Thick Reinforced Concrete Block Foundation Wall Demolition.....	10.44	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.78	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.09	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.65	
			<i>For &gt;8,000, Deduct</i>	-5.74	
02 41 16 13-0052	SF		12" Thick Reinforced Concrete Block Foundation Wall Demolition.....	11.64	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.87	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.33	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-4.07	
			<i>For &gt;8,000, Deduct</i>	-6.40	
02 41 16 13-0053	SF		16" Thick Reinforced Concrete Block Foundation Wall Demolition.....	14.55	
			<i>For &gt;500 To 2,000, Deduct</i>	-1.09	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.91	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-5.09	
			<i>For &gt;8,000, Deduct</i>	-8.00	
<b>02 41 16 13-0054</b>			<b>Brick Foundation Wall Demolition</b> (02 41 16 13-0024)		
02 41 16 13-0055	SF		4" Thick Brick Foundation Wall Demolition .....	6.28	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.47	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.26	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.20	
			<i>For &gt;8,000, Deduct</i>	-3.45	
02 41 16 13-0056	SF		6" Thick Brick Foundation Wall Demolition .....	6.70	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.50	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.34	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.35	
			<i>For &gt;8,000, Deduct</i>	-3.69	
02 41 16 13-0057	SF		8" Thick Brick Foundation Wall Demolition .....	7.56	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.57	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.51	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-2.65	
			<i>For &gt;8,000, Deduct</i>	-4.16	
02 41 16 13-0058	SF		10" Thick Brick Foundation Wall Demolition .....	8.70	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.65	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.74	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.05	
			<i>For &gt;8,000, Deduct</i>	-4.79	
02 41 16 13-0059	SF		12" Thick Brick Foundation Wall Demolition .....	9.71	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.73	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-1.94	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-3.40	
			<i>For &gt;8,000, Deduct</i>	-5.34	
02 41 16 13-0060	SF		16" Thick Brick Foundation Wall Demolition .....	12.12	
			<i>For &gt;500 To 2,000, Deduct</i>	-0.91	
			<i>For &gt;2,000 To 6,000, Deduct</i>	-2.42	
			<i>For &gt;6,000 To 8,000, Deduct</i>	-4.24	
			<i>For &gt;8,000, Deduct</i>	-6.67	
<b>02 41 16 13-0061</b>			<b>Stone Foundation Demolition</b> (02 41 16 13-0024)		
02 41 16 13-0062	CF		Stone Footing Or Foundation Wall Demolition .....	19.97	
			<i>For &gt;135 To 405, Deduct</i>	-1.75	
			<i>For &gt;405 To 810, Deduct</i>	-3.49	
			<i>For &gt;810 To 2025, Deduct</i>	-4.99	
			<i>For &gt;2025, Deduct</i>	-7.99	
<b>02 41 16 13-0063</b>			<b>Other Foundation Demolition</b> (02 41 16 13-0024)		
02 41 16 13-0064	CF		Concrete Footing For Fence, Gate Or Playground Equipment Post, Etc. Demolition .....	20.43	
			Note: Includes excavation.		
			<i>For &gt;135 To 405, Deduct</i>	-1.79	
			<i>For &gt;405 To 810, Deduct</i>	-3.58	
			<i>For &gt;810 To 2025, Deduct</i>	-5.11	
			<i>For &gt;2025, Deduct</i>	-8.17	
<b>02 41 19</b>			<b>Selective Demolition</b> (02 41)		
<b>02 41 19 13</b>			<b>Selective Building Demolition</b> (02 41 19)		
<b>02 41 19 13-0001</b>			<b>Saw Cutting</b> (02 41 19 13)		
			Note: Includes blade wear, water, taping off area, layout, clean-up and mist spray with wet vacuuming for dust control where necessary. For projects where the total saw cutting charge is less than the minimum charge, use task "Saw Cut Minimum Charge" exclusively. Task "Saw Cut Minimum Charge" should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0002	EA		Saw Cut Minimum Charge .....	1,315.91	
			Note: For projects where the total saw cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
02 41 19 13-0003	LF		Bituminous Paving Up To 4" Depth, Saw Cut .....	2.97	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	1.15	
			<i>For &gt;250, Deduct</i>	-0.28	
02 41 19 13-0004	LF		Brick Masonry Up To 4" Depth, Saw Cut .....	11.18	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	4.43	
			<i>For &gt;250, Deduct</i>	-1.10	
02 41 19 13-0005	LF		Concrete Block Up To 4" Depth, Saw Cut .....	10.10	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	3.99	
			<i>For &gt;250, Deduct</i>	-0.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0006	LF		Non-Reinforced Concrete Slab Or Paving Up To 4" Depth, Saw Cut.....	3.41	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	1.31	
			<i>For &gt;250, Deduct</i>	-0.32	
02 41 19 13-0007	LF		Welded Wire Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	4.50	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	1.74	
			<i>For &gt;250, Deduct</i>	-0.43	
02 41 19 13-0008	LF		Rod Reinforced Concrete Slab Up To 4" Depth, Saw Cut .....	7.43	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	2.90	
			<i>For &gt;250, Deduct</i>	-0.72	
02 41 19 13-0009	LF		Plain Concrete Walls Up To 4" Depth, Saw Cut .....	14.28	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	5.66	
			<i>For &gt;250, Deduct</i>	-1.41	
02 41 19 13-0010	LF		Saw Cut Rod Reinforced Concrete Walls Up To 4" Depth.....	19.19	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	7.61	
			<i>For &gt;250, Deduct</i>	-1.90	
02 41 19 13-0011	LF		Concrete And Asphalt Up To 4" Depth, Saw Cut In Streets.....	3.72	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	1.36	
			<i>For &gt;250, Deduct</i>	-0.33	
02 41 19 13-0012	LF		Igneous Stone Pavements Up To 4" Depth, Saw Cut.....	10.13	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	4.00	
			<i>For &gt;250, Deduct</i>	-1.00	
02 41 19 13-0013	LF		Sedimentary Stone Pavements Up To 4" Depth, Saw Cut .....	10.13	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	4.00	
			<i>For &gt;250, Deduct</i>	-1.00	
02 41 19 13-0014	LF		Metamorphic Stone Pavements Up To 4" Depth, Saw Cut.....	10.13	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	4.00	
			<i>For &gt;250, Deduct</i>	-1.00	
02 41 19 13-0015	LF		Terrazzo Stone Pavements Up To 4" Depth, Saw Cut .....	10.13	
			<i>For Each Additional Pass (Depth To 3"), Add</i>	4.00	
			<i>For &gt;250, Deduct</i>	-1.00	

**02 41 19 13-0016 Torch Cutting** (02 41 19 13)

Note: Includes grinding edge

02 41 19 13-0017	LF		Up To 1/2", Torch Cut Steel Plate.....	4.88	
02 41 19 13-0018	LF		>1/2" To 1" Thick, Torch Cut Steel Plate .....	9.78	
02 41 19 13-0019	LF		>1" To 1-1/2" Thick, Torch Cut Steel Plate .....	14.66	
02 41 19 13-0020	LF		>1-1/2" To 2" Thick, Torch Cut Steel Plate .....	19.55	
02 41 19 13-0021	LF		>2" To 2-1/2" Thick, Torch Cut Steel Plate .....	24.43	
02 41 19 13-0022	LF		>2-1/2" To 3" Thick, Torch Cut Steel Plate .....	29.31	
02 41 19 13-0023	EA		Torch Cutting Minimum Charge.....	1,450.88	

Note: For projects where the total torch cutting charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.

**02 41 19 13-0024 Drilling In Existing Materials** (02 41 19 13)

Note: Includes drill bit wear, water, layout, set-up and clean-up.

**02 41 19 13-0025 Concrete Core Drilling** (02 41 19 13-0024)

**02 41 19 13-0026 Up To 4" Thick Concrete Core Drilling** (02 41 19 13-0025)

02 41 19 13-0027	EA		Drill 1" Diameter Core In Up To 4" Concrete.....	54.49	
			<i>For Horizontal Cores, Add</i>	10.80	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.60	
02 41 19 13-0028	EA		Drill 1-1/2" Diameter Core In Up To 4" Concrete .....	60.48	
			<i>For Horizontal Cores, Add</i>	12.00	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.00	
02 41 19 13-0029	EA		Drill 2" Diameter Core In Up To 4" Concrete.....	67.15	
			<i>For Horizontal Cores, Add</i>	13.33	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	26.66	
02 41 19 13-0030	EA		Drill 3" Diameter Core In Up To 4" Concrete.....	95.89	
			<i>For Horizontal Cores, Add</i>	19.05	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.09	
02 41 19 13-0031	EA		Drill 4" Diameter Core In Up To 4" Concrete.....	128.49	
			<i>For Horizontal Cores, Add</i>	25.52	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	51.04	
02 41 19 13-0032	EA		Drill 6" Diameter Core In Up To 4" Concrete.....	143.95	
			<i>For Horizontal Cores, Add</i>	28.57	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	57.14	
02 41 19 13-0033	EA		Drill 8" Diameter Core In Up To 4" Concrete.....	230.08	
			<i>For Horizontal Cores, Add</i>	45.71	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.42	
02 41 19 13-0034	EA		Drill 10" Diameter Core In Up To 4" Concrete.....	287.77	
			<i>For Horizontal Cores, Add</i>	57.14	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.28	
02 41 19 13-0035	EA		Drill 12" Diameter Core In Up To 4" Concrete.....	335.81	
			<i>For Horizontal Cores, Add</i>	66.66	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	133.33	
02 41 19 13-0036	EA		Drill 14" Diameter Core In Up To 4" Concrete.....	383.85	
			<i>For Horizontal Cores, Add</i>	76.18	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.35	
02 41 19 13-0037	EA		Drill 18" Diameter Core In Up To 4" Concrete.....	432.29	
			<i>For Horizontal Cores, Add</i>	85.70	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	171.39	

**02 41 19 13-0038 >4" To 6" Thick Concrete Core Drilling** (02 41 19 13-0025)



**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 19 13-0039	EA	Drill 1" Diameter Core In >4" To 6" Concrete.....	77.87
		<i>For Horizontal Cores, Add</i>	15.42
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.85
02 41 19 13-0040	EA	Drill 1-1/2" Diameter Core In >4" To 6" Concrete.....	86.44
		<i>For Horizontal Cores, Add</i>	17.14
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.28
02 41 19 13-0041	EA	Drill 2" Diameter Core In >4" To 6" Concrete.....	95.96
		<i>For Horizontal Cores, Add</i>	19.04
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.08
02 41 19 13-0042	EA	Drill 3" Diameter Core In >4" To 6" Concrete.....	115.31
		<i>For Horizontal Cores, Add</i>	22.86
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.71
02 41 19 13-0043	EA	Drill 4" Diameter Core In >4" To 6" Concrete.....	144.20
		<i>For Horizontal Cores, Add</i>	28.57
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	57.14
02 41 19 13-0044	EA	Drill 6" Diameter Core In >4" To 6" Concrete.....	192.14
		<i>For Horizontal Cores, Add</i>	38.09
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.18
02 41 19 13-0045	EA	Drill 8" Diameter Core In >4" To 6" Concrete.....	288.00
		<i>For Horizontal Cores, Add</i>	57.14
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	114.28
02 41 19 13-0046	EA	Drill 10" Diameter Core In >4" To 6" Concrete.....	336.43
		<i>For Horizontal Cores, Add</i>	66.66
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	133.33
02 41 19 13-0047	EA	Drill 12" Diameter Core In >4" To 6" Concrete.....	384.61
		<i>For Horizontal Cores, Add</i>	76.18
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.35
02 41 19 13-0048	EA	Drill 14" Diameter Core In >4" To 6" Concrete.....	433.01
		<i>For Horizontal Cores, Add</i>	85.70
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	171.39
02 41 19 13-0049	EA	Drill 18" Diameter Core In >4" To 6" Concrete.....	482.00
		<i>For Horizontal Cores, Add</i>	95.23
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	190.45
<b>02 41 19 13-0050</b>		<b>&gt;6" To 8" Thick Concrete Core Drilling (02 41 19 13-0025)</b>	
02 41 19 13-0051	EA	Drill 1" Diameter Core In >6" To 8" Concrete.....	85.87
		<i>For Horizontal Cores, Add</i>	16.97
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.94
02 41 19 13-0052	EA	Drill 1-1/2" Diameter Core In >6" To 8" Concrete.....	95.30
		<i>For Horizontal Cores, Add</i>	18.86
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	37.71
02 41 19 13-0053	EA	Drill 2" Diameter Core In >6" To 8" Concrete.....	105.77
		<i>For Horizontal Cores, Add</i>	20.95
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	41.90
02 41 19 13-0054	EA	Drill 3" Diameter Core In >6" To 8" Concrete.....	125.20
		<i>For Horizontal Cores, Add</i>	24.76
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	49.52
02 41 19 13-0055	EA	Drill 4" Diameter Core In >6" To 8" Concrete.....	163.71
		<i>For Horizontal Cores, Add</i>	32.38
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.75
02 41 19 13-0056	EA	Drill 6" Diameter Core In >6" To 8" Concrete.....	230.83
		<i>For Horizontal Cores, Add</i>	45.71
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.42
02 41 19 13-0057	EA	Drill 8" Diameter Core In >6" To 8" Concrete.....	383.97
		<i>For Horizontal Cores, Add</i>	76.18
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.35
02 41 19 13-0058	EA	Drill 10" Diameter Core In >6" To 8" Concrete.....	432.62
		<i>For Horizontal Cores, Add</i>	85.70
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	171.39
02 41 19 13-0059	EA	Drill 12" Diameter Core In >6" To 8" Concrete.....	481.09
		<i>For Horizontal Cores, Add</i>	95.23
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	190.45
02 41 19 13-0060	EA	Drill 14" Diameter Core In >6" To 8" Concrete.....	529.75
		<i>For Horizontal Cores, Add</i>	104.73
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	209.46
02 41 19 13-0061	EA	Drill 18" Diameter Core In >6" To 8" Concrete.....	579.30
		<i>For Horizontal Cores, Add</i>	114.27
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	228.55
<b>02 41 19 13-0062</b>		<b>&gt;8" To 10" Thick Concrete Core Drilling (02 41 19 13-0025)</b>	
02 41 19 13-0063	EA	Drill 1" Diameter Core In >8" To 10" Concrete.....	101.56
		<i>For Horizontal Cores, Add</i>	20.06
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.11
02 41 19 13-0064	EA	Drill 1-1/2" Diameter Core In >8" To 10" Concrete.....	112.69
		<i>For Horizontal Cores, Add</i>	22.28
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	44.56
02 41 19 13-0065	EA	Drill 2" Diameter Core In >8" To 10" Concrete.....	125.08
		<i>For Horizontal Cores, Add</i>	24.76
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	49.52
02 41 19 13-0066	EA	Drill 3" Diameter Core In >8" To 10" Concrete.....	144.61
		<i>For Horizontal Cores, Add</i>	28.57
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	57.14
02 41 19 13-0067	EA	Drill 4" Diameter Core In >8" To 10" Concrete.....	164.19
		<i>For Horizontal Cores, Add</i>	32.38
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	64.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0068	EA		Drill 6" Diameter Core In >8" To 10" Concrete.....	231.40	
			<i>For Horizontal Cores, Add</i>	45.71	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.42	
02 41 19 13-0069	EA		Drill 8" Diameter Core In >8" To 10" Concrete.....	384.75	
			<i>For Horizontal Cores, Add</i>	76.18	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.35	
02 41 19 13-0070	EA		Drill 10" Diameter Core In >8" To 10" Concrete.....	433.65	
			<i>For Horizontal Cores, Add</i>	85.70	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	171.39	
02 41 19 13-0071	EA		Drill 12" Diameter Core In >8" To 10" Concrete.....	482.24	
			<i>For Horizontal Cores, Add</i>	95.21	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	190.42	
02 41 19 13-0072	EA		Drill 14" Diameter Core In >8" To 10" Concrete.....	531.31	
			<i>For Horizontal Cores, Add</i>	104.73	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	209.46	
02 41 19 13-0073	EA		Drill 18" Diameter Core In >8" To 10" Concrete.....	581.24	
			<i>For Horizontal Cores, Add</i>	114.25	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	228.50	
<b>02 41 19 13-0074 &gt;10" To 12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>					
02 41 19 13-0075	EA		Drill 1" Diameter Core In >10" To 12" Concrete.....	109.54	
			<i>For Horizontal Cores, Add</i>	21.60	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	43.20	
02 41 19 13-0076	EA		Drill 1-1/2" Diameter Core In >10" To 12" Concrete.....	121.55	
			<i>For Horizontal Cores, Add</i>	24.00	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	48.00	
02 41 19 13-0077	EA		Drill 2" Diameter Core In >10" To 12" Concrete.....	134.88	
			<i>For Horizontal Cores, Add</i>	26.67	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	53.33	
02 41 19 13-0078	EA		Drill 3" Diameter Core In >10" To 12" Concrete.....	144.98	
			<i>For Horizontal Cores, Add</i>	28.57	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	57.14	
02 41 19 13-0079	EA		Drill 4" Diameter Core In >10" To 12" Concrete.....	193.23	
			<i>For Horizontal Cores, Add</i>	38.09	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	76.18	
02 41 19 13-0080	EA		Drill 6" Diameter Core In >10" To 12" Concrete.....	251.04	
			<i>For Horizontal Cores, Add</i>	49.52	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	99.05	
02 41 19 13-0081	EA		Drill 8" Diameter Core In >10" To 12" Concrete.....	404.61	
			<i>For Horizontal Cores, Add</i>	79.99	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	159.98	
02 41 19 13-0082	EA		Drill 10" Diameter Core In >10" To 12" Concrete.....	434.68	
			<i>For Horizontal Cores, Add</i>	85.70	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	171.39	
02 41 19 13-0083	EA		Drill 12" Diameter Core In >10" To 12" Concrete.....	502.66	
			<i>For Horizontal Cores, Add</i>	99.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	198.09	
<b>02 41 19 13-0084 &gt;12" Thick Concrete Core Drilling (02 41 19 13-0025)</b>					
02 41 19 13-0085	IN		Drill 1" Diameter Core In >12" Concrete.....	13.33	
			<i>For Horizontal Cores, Add</i>	2.64	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.28	
02 41 19 13-0086	IN		Drill 1-1/2" Diameter Core In >12" Concrete.....	14.80	
			<i>For Horizontal Cores, Add</i>	2.93	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.87	
02 41 19 13-0087	IN		Drill 2" Diameter Core In >12" Concrete.....	16.43	
			<i>For Horizontal Cores, Add</i>	3.26	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	6.52	
02 41 19 13-0088	IN		Drill 3" Diameter Core In >12" Concrete.....	18.03	
			<i>For Horizontal Cores, Add</i>	3.57	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.14	
02 41 19 13-0089	IN		Drill 4" Diameter Core In >12" Concrete.....	24.03	
			<i>For Horizontal Cores, Add</i>	4.76	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.52	
02 41 19 13-0090	IN		Drill 6" Diameter Core In >12" Concrete.....	31.25	
			<i>For Horizontal Cores, Add</i>	6.19	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	12.39	
02 41 19 13-0091	IN		Drill 8" Diameter Core In >12" Concrete.....	50.43	
			<i>For Horizontal Cores, Add</i>	10.01	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	20.02	
02 41 19 13-0092	IN		Drill 10" Diameter Core In >12" Concrete.....	54.31	
			<i>For Horizontal Cores, Add</i>	10.76	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.52	
02 41 19 13-0093	IN		Drill 12" Diameter Core In >12" Concrete.....	62.56	
			<i>For Horizontal Cores, Add</i>	12.39	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.78	
<b>02 41 19 13-0094 Brick/Concrete Block Core Drilling (02 41 19 13-0024)</b>					
<b>02 41 19 13-0095 Up To 4" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>					
02 41 19 13-0096	EA		Drill 1" Diameter Core In Up To 4" Brick/Concrete Block.....	43.69	
			<i>For Horizontal Cores, Add</i>	8.64	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.28	
02 41 19 13-0097	EA		Drill 1-1/2" Diameter Core In Up To 4" Brick/Concrete Block.....	48.47	
			<i>For Horizontal Cores, Add</i>	9.60	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.19	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 41 19 13-0098	EA	Drill 2" Diameter Core In Up To 4" Brick/Concrete Block	53.82
		<i>For Horizontal Cores, Add</i>	10.67
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	21.33
02 41 19 13-0099	EA	Drill 3" Diameter Core In Up To 4" Brick/Concrete Block	76.85
		<i>For Horizontal Cores, Add</i>	15.24
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.48
02 41 19 13-0100	EA	Drill 4" Diameter Core In Up To 4" Brick/Concrete Block	102.97
		<i>For Horizontal Cores, Add</i>	20.42
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	40.84
02 41 19 13-0101	EA	Drill 6" Diameter Core In Up To 4" Brick/Concrete Block	115.39
		<i>For Horizontal Cores, Add</i>	22.86
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.71
02 41 19 13-0102	EA	Drill 8" Diameter Core In Up To 4" Brick/Concrete Block	184.37
		<i>For Horizontal Cores, Add</i>	36.57
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.14
02 41 19 13-0103	EA	Drill 10" Diameter Core In Up To 4" Brick/Concrete Block	230.63
		<i>For Horizontal Cores, Add</i>	45.71
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.42
02 41 19 13-0104	EA	Drill 12" Diameter Core In Up To 4" Brick/Concrete Block	269.15
		<i>For Horizontal Cores, Add</i>	53.33
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	106.66
02 41 19 13-0105	EA	Drill 14" Diameter Core In Up To 4" Brick/Concrete Block	307.68
		<i>For Horizontal Cores, Add</i>	60.94
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	121.88
02 41 19 13-0106	EA	Drill 18" Diameter Core In Up To 4" Brick/Concrete Block	346.60
		<i>For Horizontal Cores, Add</i>	68.56
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	137.12
<b>02 41 19 13-0107</b>		<b>&gt;4" To 6" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>	
02 41 19 13-0108	EA	Drill 1" Diameter Core In > 4" To 6" Brick/Concrete Block	62.45
		<i>For Horizontal Cores, Add</i>	12.34
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	24.68
02 41 19 13-0109	EA	Drill 1-1/2" Diameter Core In > 4" To 6" Brick/Concrete Block	69.30
		<i>For Horizontal Cores, Add</i>	13.71
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.42
02 41 19 13-0110	EA	Drill 2" Diameter Core In >4" To 6" Brick/Concrete Block	76.92
		<i>For Horizontal Cores, Add</i>	15.23
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.47
02 41 19 13-0111	EA	Drill 3" Diameter Core In >4" To 6" Brick/Concrete Block	92.45
		<i>For Horizontal Cores, Add</i>	18.28
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	36.57
02 41 19 13-0112	EA	Drill 4" Diameter Core In >4" To 6" Brick/Concrete Block	115.64
		<i>For Horizontal Cores, Add</i>	22.86
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.71
02 41 19 13-0113	EA	Drill 6" Diameter Core In >4" To 6" Brick/Concrete Block	154.06
		<i>For Horizontal Cores, Add</i>	30.47
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	60.95
02 41 19 13-0114	EA	Drill 8" Diameter Core In >4" To 6" Brick/Concrete Block	230.86
		<i>For Horizontal Cores, Add</i>	45.71
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	91.42
02 41 19 13-0115	EA	Drill 10" Diameter Core In >4" To 6" Brick/Concrete Block	269.77
		<i>For Horizontal Cores, Add</i>	53.33
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	106.66
02 41 19 13-0116	EA	Drill 12" Diameter Core In >4" To 6" Brick/Concrete Block	308.44
		<i>For Horizontal Cores, Add</i>	60.94
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	121.88
02 41 19 13-0117	EA	Drill 14" Diameter Core In >4" To 6" Brick/Concrete Block	347.32
		<i>For Horizontal Cores, Add</i>	68.56
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	137.12
02 41 19 13-0118	EA	Drill 18" Diameter Core In >4" To 6" Brick/Concrete Block	386.78
		<i>For Horizontal Cores, Add</i>	76.18
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.36
<b>02 41 19 13-0119</b>		<b>&gt;6" To 8" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>	
02 41 19 13-0120	EA	Drill 1" Diameter Core In > 6" To 8" Brick/Concrete Block	68.90
		<i>For Horizontal Cores, Add</i>	13.58
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	27.15
02 41 19 13-0121	EA	Drill 1-1/2" Diameter Core In > 6" To 8" Brick/Concrete Block	76.44
		<i>For Horizontal Cores, Add</i>	15.08
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	30.17
02 41 19 13-0122	EA	Drill 2" Diameter Core In >6" To 8" Brick/Concrete Block	84.82
		<i>For Horizontal Cores, Add</i>	16.76
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	33.52
02 41 19 13-0123	EA	Drill 3" Diameter Core In >6" To 8" Brick/Concrete Block	100.44
		<i>For Horizontal Cores, Add</i>	19.81
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.62
02 41 19 13-0124	EA	Drill 4" Diameter Core In >6" To 8" Brick/Concrete Block	131.33
		<i>For Horizontal Cores, Add</i>	25.90
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	51.80
02 41 19 13-0125	EA	Drill 6" Diameter Core In >6" To 8" Brick/Concrete Block	185.12
		<i>For Horizontal Cores, Add</i>	36.57
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.14
02 41 19 13-0126	EA	Drill 8" Diameter Core In >6" To 8" Brick/Concrete Block	307.80
		<i>For Horizontal Cores, Add</i>	60.94
		<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	121.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0127	EA		Drill 10" Diameter Core In >6" To 8" Brick/Concrete Block	346.93	
			<i>For Horizontal Cores, Add</i>	68.56	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	137.12	
02 41 19 13-0128	EA		Drill 12" Diameter Core In >6" To 8" Brick/Concrete Block	385.87	
			<i>For Horizontal Cores, Add</i>	76.18	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.36	
02 41 19 13-0129	EA		Drill 14" Diameter Core In >6" To 8" Brick/Concrete Block	425.02	
			<i>For Horizontal Cores, Add</i>	83.78	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	167.57	
02 41 19 13-0130	EA		Drill 18" Diameter Core In >6" To 8" Brick/Concrete Block	465.03	
			<i>For Horizontal Cores, Add</i>	91.42	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	182.84	
<b>02 41 19 13-0131 &gt;8" To 10" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>					
02 41 19 13-0132	EA		Drill 1" Diameter Core In > 8" To 10" Brick/Concrete Block	81.50	
			<i>For Horizontal Cores, Add</i>	16.04	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	32.09	
02 41 19 13-0133	EA		Drill 1-1/2" Diameter Core In > 8" To 10" Brick/Concrete Block	90.41	
			<i>For Horizontal Cores, Add</i>	17.83	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	35.65	
02 41 19 13-0134	EA		Drill 2" Diameter Core In >8" To 10" Brick/Concrete Block	100.31	
			<i>For Horizontal Cores, Add</i>	19.81	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	39.61	
02 41 19 13-0135	EA		Drill 3" Diameter Core In >8" To 10" Brick/Concrete Block	116.05	
			<i>For Horizontal Cores, Add</i>	22.86	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.71	
02 41 19 13-0136	EA		Drill 4" Diameter Core In >8" To 10" Brick/Concrete Block	131.81	
			<i>For Horizontal Cores, Add</i>	25.90	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	51.80	
02 41 19 13-0137	EA		Drill 6" Diameter Core In >8" To 10" Brick/Concrete Block	185.69	
			<i>For Horizontal Cores, Add</i>	36.57	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	73.14	
02 41 19 13-0138	EA		Drill 8" Diameter Core In >8" To 10" Brick/Concrete Block	308.58	
			<i>For Horizontal Cores, Add</i>	60.94	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	121.88	
02 41 19 13-0139	EA		Drill 10" Diameter Core In >8" To 10" Brick/Concrete Block	347.96	
			<i>For Horizontal Cores, Add</i>	68.56	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	137.12	
02 41 19 13-0140	EA		Drill 12" Diameter Core In >8" To 10" Brick/Concrete Block	387.03	
			<i>For Horizontal Cores, Add</i>	76.17	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	152.33	
02 41 19 13-0141	EA		Drill 14" Diameter Core In >8" To 10" Brick/Concrete Block	426.58	
			<i>For Horizontal Cores, Add</i>	83.78	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	167.57	
02 41 19 13-0142	EA		Drill 18" Diameter Core In >8" To 10" Brick/Concrete Block	466.99	
			<i>For Horizontal Cores, Add</i>	91.40	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	182.80	
<b>02 41 19 13-0143 &gt;10" To 12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>					
02 41 19 13-0144	EA		Drill 1" Diameter Core In >10" To 12" Brick/Concrete Block	87.94	
			<i>For Horizontal Cores, Add</i>	17.28	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	34.56	
02 41 19 13-0145	EA		Drill 1-1/2" Diameter Core In > 10" To 12" Brick/Concrete Block	97.55	
			<i>For Horizontal Cores, Add</i>	19.20	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	38.40	
02 41 19 13-0146	EA		Drill 2" Diameter Core In >10" To 12" Brick/Concrete Block	108.21	
			<i>For Horizontal Cores, Add</i>	21.33	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	42.66	
02 41 19 13-0147	EA		Drill 3" Diameter Core In >10" To 12" Brick/Concrete Block	116.42	
			<i>For Horizontal Cores, Add</i>	22.86	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	45.71	
02 41 19 13-0148	EA		Drill 4" Diameter Core In >10" To 12" Brick/Concrete Block	155.15	
			<i>For Horizontal Cores, Add</i>	30.47	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	60.95	
02 41 19 13-0149	EA		Drill 6" Diameter Core In >10" To 12" Brick/Concrete Block	201.51	
			<i>For Horizontal Cores, Add</i>	39.62	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	79.24	
02 41 19 13-0150	EA		Drill 8" Diameter Core In >10" To 12" Brick/Concrete Block	324.63	
			<i>For Horizontal Cores, Add</i>	63.99	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	127.99	
02 41 19 13-0151	EA		Drill 10" Diameter Core In >10" To 12" Brick/Concrete Block	348.99	
			<i>For Horizontal Cores, Add</i>	68.56	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	137.12	
02 41 19 13-0152	EA		Drill 12" Diameter Core In >10" To 12" Brick/Concrete Block	403.62	
			<i>For Horizontal Cores, Add</i>	79.24	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	158.47	
<b>02 41 19 13-0153 &gt;12" Thick Brick/Concrete Block Core Drilling (02 41 19 13-0094)</b>					
02 41 19 13-0154	IN		Drill 1" Diameter Core In >12" Brick/Concrete Block	10.69	
			<i>For Horizontal Cores, Add</i>	2.11	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.22	
02 41 19 13-0155	IN		Drill 1-1/2" Diameter Core In >12" Brick/Concrete Block	11.87	
			<i>For Horizontal Cores, Add</i>	2.35	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	4.70	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 41 19 13-0156	IN		Drill 2" Diameter Core In >12" Brick/Concrete Block.....	13.17	
			<i>For Horizontal Cores, Add</i>	2.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.22	
02 41 19 13-0157	IN		Drill 3" Diameter Core In >12" Brick/Concrete Block.....	14.46	
			<i>For Horizontal Cores, Add</i>	2.86	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	5.71	
02 41 19 13-0158	IN		Drill 4" Diameter Core In >12" Brick/Concrete Block.....	19.27	
			<i>For Horizontal Cores, Add</i>	3.81	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	7.62	
02 41 19 13-0159	IN		Drill 6" Diameter Core In >12" Brick/Concrete Block.....	25.06	
			<i>For Horizontal Cores, Add</i>	4.96	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	9.91	
02 41 19 13-0160	IN		Drill 8" Diameter Core In >12" Brick/Concrete Block.....	40.42	
			<i>For Horizontal Cores, Add</i>	8.01	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	16.01	
02 41 19 13-0161	IN		Drill 10" Diameter Core In >12" Brick/Concrete Block.....	43.55	
			<i>For Horizontal Cores, Add</i>	8.61	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	17.21	
02 41 19 13-0162	IN		Drill 12" Diameter Core In >12" Brick/Concrete Block.....	50.17	
			<i>For Horizontal Cores, Add</i>	9.91	
			<i>For Overhead Ceiling Cores (Where Not Accessible From Above), Add</i>	19.82	
<b>02 41 19 13-0163</b>			<b>Asphalt Core Drilling</b> (02 41 19 13-0024)		
<b>02 41 19 13-0164</b>			<b>Up To 2" Thick Asphalt Core Drilling</b> (02 41 19 13-0163)		
02 41 19 13-0165	EA		Drill 1" Diameter Core In Up To 2" Asphalt.....	26.17	
02 41 19 13-0166	EA		Drill 1-1/2" Diameter Core In Up To 2" Asphalt.....	32.72	
02 41 19 13-0167	EA		Drill 2" Diameter Core In Up To 2" Asphalt.....	40.90	
02 41 19 13-0168	EA		Drill 3" Diameter Core In Up To 2" Asphalt.....	50.74	
02 41 19 13-0169	EA		Drill 4" Diameter Core In Up To 2" Asphalt.....	63.84	
02 41 19 13-0170	EA		Drill 6" Diameter Core In Up To 2" Asphalt.....	80.21	
02 41 19 13-0171	EA		Drill 8" Diameter Core In Up To 2" Asphalt.....	99.89	
02 41 19 13-0172	EA		Drill 10" Diameter Core In Up To 2" Asphalt.....	124.41	
02 41 19 13-0173	EA		Drill 12" Diameter Core In Up To 2" Asphalt.....	155.49	
<b>02 41 19 13-0174</b>			<b>&gt;2" To 3" Thick Asphalt Core Drilling</b> (02 41 19 13-0163)		
02 41 19 13-0175	EA		Drill 1" Diameter Core In >2" To 3" Asphalt.....	32.71	
02 41 19 13-0176	EA		Drill 1-1/2" Diameter Core In >2" To 3" Asphalt.....	42.52	
02 41 19 13-0177	EA		Drill 2" Diameter Core In >2" To 3" Asphalt.....	52.33	
02 41 19 13-0178	EA		Drill 3" Diameter Core In >2" To 3" Asphalt.....	65.43	
02 41 19 13-0179	EA		Drill 4" Diameter Core In >2" To 3" Asphalt.....	81.81	
02 41 19 13-0180	EA		Drill 6" Diameter Core In >2" To 3" Asphalt.....	103.07	
02 41 19 13-0181	EA		Drill 8" Diameter Core In >2" To 3" Asphalt.....	127.67	
02 41 19 13-0182	EA		Drill 10" Diameter Core In >2" To 3" Asphalt.....	160.36	
02 41 19 13-0183	EA		Drill 12" Diameter Core In >2" To 3" Asphalt.....	199.61	
<b>02 41 19 13-0184</b>			<b>&gt;3" To 4" Thick Asphalt Core Drilling</b> (02 41 19 13-0163)		
02 41 19 13-0185	EA		Drill 1" Diameter Core In >3" To 4" Asphalt.....	42.53	
02 41 19 13-0186	EA		Drill 1-1/2" Diameter Core In >3" To 4" Asphalt.....	54.00	
02 41 19 13-0187	EA		Drill 2" Diameter Core In >3" To 4" Asphalt.....	67.08	
02 41 19 13-0188	EA		Drill 3" Diameter Core In >3" To 4" Asphalt.....	83.45	
02 41 19 13-0189	EA		Drill 4" Diameter Core In >3" To 4" Asphalt.....	104.76	
02 41 19 13-0190	EA		Drill 6" Diameter Core In >3" To 4" Asphalt.....	130.96	
02 41 19 13-0191	EA		Drill 8" Diameter Core In >3" To 4" Asphalt.....	163.75	
02 41 19 13-0192	EA		Drill 10" Diameter Core In >3" To 4" Asphalt.....	204.63	
02 41 19 13-0193	EA		Drill 12" Diameter Core In >3" To 4" Asphalt.....	255.33	
<b>02 41 19 13-0194</b>			<b>&gt;4" To 6" Thick Asphalt Core Drilling</b> (02 41 19 13-0163)		
02 41 19 13-0195	EA		Drill 1" Diameter Core In >4" To 6" Asphalt.....	55.65	
02 41 19 13-0196	EA		Drill 1-1/2" Diameter Core In >4" To 6" Asphalt.....	68.77	
02 41 19 13-0197	EA		Drill 2" Diameter Core In >4" To 6" Asphalt.....	85.13	
02 41 19 13-0198	EA		Drill 3" Diameter Core In >4" To 6" Asphalt.....	108.09	
02 41 19 13-0199	EA		Drill 4" Diameter Core In >4" To 6" Asphalt.....	134.33	
02 41 19 13-0200	EA		Drill 6" Diameter Core In >4" To 6" Asphalt.....	167.10	
02 41 19 13-0201	EA		Drill 8" Diameter Core In >4" To 6" Asphalt.....	209.78	
02 41 19 13-0202	EA		Drill 10" Diameter Core In >4" To 6" Asphalt.....	262.12	
02 41 19 13-0203	EA		Drill 12" Diameter Core In >4" To 6" Asphalt.....	327.59	
<b>02 41 19 13-0204</b>			<b>Manhole Core Drilling</b> (02 41 19 13-0024)		
02 41 19 13-0205	EA		Drill 4" Diameter Core In Brick Manhole.....	286.61	
02 41 19 13-0206	EA		Drill 5" Diameter Core In Brick Manhole.....	327.54	
02 41 19 13-0207	EA		Drill 6" Diameter Core In Brick Manhole.....	382.01	
02 41 19 13-0208	EA		Drill 8" Diameter Core In Brick Manhole.....	572.92	
02 41 19 13-0209	EA		Drill 2" Diameter Core In Concrete Manhole.....	384.05	
02 41 19 13-0210	EA		Drill 3" Diameter Core In Concrete Manhole.....	408.88	
02 41 19 13-0211	EA		Drill 4" Diameter Core In Concrete Manhole.....	450.07	
02 41 19 13-0212	EA		Drill 5" Diameter Core In Concrete Manhole.....	482.88	
02 41 19 13-0213	EA		Drill 6" Diameter Core In Concrete Manhole.....	572.75	
02 41 19 13-0214	EA		Drill 8" Diameter Core In Concrete Manhole.....	818.07	
02 41 19 13-0215	EA		Drill 2" Diameter Core In Fiberglass Manhole.....	38.11	
02 41 19 13-0216	EA		Drill 3" Diameter Core In Fiberglass Manhole.....	43.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 41 19 13-0217	EA	Drill 4" Diameter Core In Fiberglass Manhole.....	47.66	
02 41 19 13-0218	EA	Drill 5" Diameter Core In Fiberglass Manhole.....	51.99	
02 41 19 13-0219	EA	Drill 6" Diameter Core In Fiberglass Manhole.....	57.20	
02 41 19 13-0220	EA	Drill 8" Diameter Core In Fiberglass Manhole.....	63.55	

**02 41 19 13-0221 Drilling In Concrete Per Inch Of Depth (02 41 19 13-0024)**

Note: Includes layout.

02 41 19 13-0222	IN	1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	2.95	
02 41 19 13-0223	IN	5/16" Diameter Drilling In Concrete Per Inch Of Depth.....	3.13	
02 41 19 13-0224	IN	3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.30	
02 41 19 13-0225	IN	1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	3.54	
02 41 19 13-0226	IN	5/8" Diameter Drilling In Concrete Per Inch Of Depth.....	3.76	
02 41 19 13-0227	IN	3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	4.14	
02 41 19 13-0228	IN	7/8" Diameter Drilling In Concrete Per Inch Of Depth.....	4.47	
02 41 19 13-0229	IN	1" Diameter Drilling In Concrete Per Inch Of Depth.....	4.71	
02 41 19 13-0230	IN	1-1/8" Diameter Drilling In Concrete Per Inch Of Depth.....	5.54	
02 41 19 13-0231	IN	1-1/4" Diameter Drilling In Concrete Per Inch Of Depth.....	5.20	
02 41 19 13-0232	IN	1-3/8" Diameter Drilling In Concrete Per Inch Of Depth.....	5.54	
02 41 19 13-0233	IN	1-1/2" Diameter Drilling In Concrete Per Inch Of Depth.....	5.89	
02 41 19 13-0234	IN	1-3/4" Diameter Drilling In Concrete Per Inch Of Depth.....	6.53	
02 41 19 13-0235	IN	2" Diameter Drilling In Concrete Per Inch Of Depth.....	7.59	

**02 41 19 13-0236 Drilling In Brick/Concrete Block Per Inch Of Depth (02 41 19 13-0024)**

Note: Includes layout.

02 41 19 13-0237	IN	1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.46	
02 41 19 13-0238	IN	5/16" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.61	
02 41 19 13-0239	IN	3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.75	
02 41 19 13-0240	IN	1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	2.94	
02 41 19 13-0241	IN	5/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.14	
02 41 19 13-0242	IN	3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.45	
02 41 19 13-0243	IN	7/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.73	
02 41 19 13-0244	IN	1" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	3.92	
02 41 19 13-0245	IN	1-1/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.14	
02 41 19 13-0246	IN	1-1/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.33	
02 41 19 13-0247	IN	1-3/8" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.63	
02 41 19 13-0248	IN	1-1/2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	4.91	
02 41 19 13-0249	IN	1-3/4" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	5.47	
02 41 19 13-0250	IN	2" Diameter Drilling In Brick/Concrete Block Per Inch Of Depth.....	6.33	

**02 41 19 13-0251 Limestone Core Drilling (02 41 19 13-0024)**

**02 41 19 13-0252 10" To 14" Thick Limestone Core Drilling (02 41 19 13-0251)**

02 41 19 13-0253	EA	Drill 1" Diameter Core In 10" To 14" Limestone.....	82.14	
02 41 19 13-0254	EA	Drill 1-1/2" Diameter Core In 10" To 14" Limestone.....	98.63	
02 41 19 13-0255	EA	Drill 2" Diameter Core In 10" To 14" Limestone.....	106.97	
02 41 19 13-0256	EA	Drill 3" Diameter Core In 10" To 14" Limestone.....	123.66	
02 41 19 13-0257	EA	Drill 4" Diameter Core In 10" To 14" Limestone.....	140.36	
02 41 19 13-0258	EA	Drill 6" Diameter Core In 10" To 14" Limestone.....	197.86	
02 41 19 13-0259	EA	Drill 8" Diameter Core In 10" To 14" Limestone.....	329.09	

**02 41 19 13-0260 15" To 18" Thick Limestone Core Drilling (02 41 19 13-0251)**

02 41 19 13-0261	EA	Drill 1" Diameter Core In 15" To 18" Limestone.....	90.42	
02 41 19 13-0262	EA	Drill 1-1/2" Diameter Core In 15" To 18" Limestone.....	106.95	
02 41 19 13-0263	EA	Drill 2" Diameter Core In 15" To 18" Limestone.....	115.33	
02 41 19 13-0264	EA	Drill 3" Diameter Core In 15" To 18" Limestone.....	123.96	
02 41 19 13-0265	EA	Drill 4" Diameter Core In 15" To 18" Limestone.....	165.21	
02 41 19 13-0266	EA	Drill 6" Diameter Core In 15" To 18" Limestone.....	214.61	
02 41 19 13-0267	EA	Drill 8" Diameter Core In 15" To 18" Limestone.....	346.15	

**02 41 19 13-0268 19" To 24" Thick Limestone Core Drilling (02 41 19 13-0251)**

02 41 19 13-0269	EA	Drill 1" Diameter Core In 19" To 24" Limestone.....	98.69	
02 41 19 13-0270	EA	Drill 1-1/2" Diameter Core In 19" To 24" Limestone.....	115.25	
02 41 19 13-0271	EA	Drill 2" Diameter Core In 19" To 24" Limestone.....	123.68	
02 41 19 13-0272	EA	Drill 3" Diameter Core In 19" To 24" Limestone.....	140.49	
02 41 19 13-0273	EA	Drill 4" Diameter Core In 19" To 24" Limestone.....	198.15	
02 41 19 13-0274	EA	Drill 6" Diameter Core In 19" To 24" Limestone.....	247.64	
02 41 19 13-0275	EA	Drill 8" Diameter Core In 19" To 24" Limestone.....	371.38	

**02 41 19 13-0276 Minimum Charge For Core Drilling (02 41 19 13-0024)**

02 41 19 13-0277	EA	Core Drill Minimum Charge.....	1,063.88	
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Note: For projects where the total core drilling charge is less than the minimum charge, use task "Minimum Charge For Core Drilling" exclusively. Task "Minimum Charge For Core Drilling" should not be used in conjunction with any other tasks in this section. Does not apply to sections "Drilling In Concrete Per Inch Of Depth" or "Drilling In Brick Or Block Per Inch Of Depth" or "Drilling In Wood Or Plastic Per Inch Of Depth".

**02 41 19 13-0278 Cutouts (02 41 19 13)**

Note: Includes cleaning and removal. For vertical heights over 14' add appropriate equipment rental (scaffolding, lifts). Not to be used for openings greater than 24 SF. Excludes saw cutting.

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>02 41 19 13-0279</b>	<b>Reinforced Concrete Slab On Grade Cutouts</b> (02 41 19 13-0278)	
02 41 19 13-0280	SF 4" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	68.36
02 41 19 13-0281	SF 6" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	72.51
02 41 19 13-0282	SF 8" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	76.65
02 41 19 13-0283	SF 10" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	80.79
02 41 19 13-0284	SF 12" Thick Reinforced Concrete Slab On Grade Cutouts, <24 SF .....	82.86
<b>02 41 19 13-0285</b>	<b>Reinforced Concrete Elevated Slab Cutouts</b> (02 41 19 13-0278)	
	Note: Includes cutting and removing steel decking.	
02 41 19 13-0286	SF 4" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	83.31
02 41 19 13-0287	SF 6" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	88.36
02 41 19 13-0288	SF 8" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	93.41
02 41 19 13-0289	SF 10" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	98.46
02 41 19 13-0290	SF 12" Thick Reinforced Concrete Elevated Slab Cutouts, <24 SF .....	100.98
<b>02 41 19 13-0291</b>	<b>Reinforced Concrete Wall Cutouts</b> (02 41 19 13-0278)	
02 41 19 13-0292	SF 4" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	85.45
02 41 19 13-0293	SF 6" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	90.63
02 41 19 13-0294	SF 8" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	95.80
02 41 19 13-0295	SF 10" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	100.98
02 41 19 13-0296	SF 12" Thick Reinforced Concrete Wall Cutouts, <24 SF .....	103.57
<b>02 41 19 13-0297</b>	<b>Brick Wall Cutouts</b> (02 41 19 13-0278)	
	Note: Excludes toothing.	
02 41 19 13-0298	SF 4" Thick Brick Wall Cutouts, <24 SF .....	25.89
02 41 19 13-0299	SF 6" Thick Brick Wall Cutouts, <24 SF .....	42.73
02 41 19 13-0300	SF 8" Thick Brick Wall Cutouts, <24 SF .....	59.50
02 41 19 13-0301	SF 10" Thick Brick Wall Cutouts, <24 SF .....	72.51
02 41 19 13-0302	SF 12" Thick Brick Wall Cutouts, <24 SF .....	86.74
02 41 19 13-0303	SF 16" Thick Brick Wall Cutouts, <24 SF .....	102.28
<b>02 41 19 13-0304</b>	<b>Concrete Block Wall Cutouts</b> (02 41 19 13-0278)	
	Note: Excludes toothing.	
02 41 19 13-0305	SF 4" Thick Concrete Block Wall Cutouts, <24 SF .....	42.83
02 41 19 13-0306	SF 6" Thick Concrete Block Wall Cutouts, <24 SF .....	45.36
02 41 19 13-0307	SF 8" Thick Concrete Block Wall Cutouts, <24 SF .....	47.90
02 41 19 13-0308	SF 10" Thick Concrete Block Wall Cutouts, <24 SF .....	50.50
02 41 19 13-0309	SF 12" Thick Concrete Block Wall Cutouts, <24 SF .....	51.79
02 41 19 13-0310	SF 16" Thick Concrete Block Wall Cutouts, <24 SF .....	54.37
<b>02 41 19 13-0311</b>	<b>Limestone Cutouts</b> (02 41 19 13-0278)	
02 41 19 13-0312	SF 2" Thick Limestone Cutouts, <24 SF .....	72.51
02 41 19 13-0313	SF 4" Thick Limestone Cutouts, <24 SF .....	88.03
02 41 19 13-0314	SF 6" Thick Limestone Cutouts, <24 SF .....	93.22
02 41 19 13-0315	SF 8" Thick Limestone Cutouts, <24 SF .....	98.40
02 41 19 13-0316	SF 10" Thick Limestone Cutouts, <24 SF .....	103.57
02 41 19 13-0317	SF 12" Thick Limestone Cutouts, <24 SF .....	108.75
<b>02 41 19 13-0318</b>	<b>Toothing Masonry Cutouts</b> (02 41 19 13-0278)	
	Note: For use where existing masonry must be removed in a toothing pattern along horizontal and vertical mortar joints. VLF measurement includes all horizontal cutting.	
02 41 19 13-0319	VLF Brick, Soft Old Mortar, Toothing Masonry Cutouts .....	25.89
02 41 19 13-0320	VLF Brick, Hard Mortar, Toothing Masonry Cutouts .....	34.96
02 41 19 13-0321	VLF Concrete Block, Soft Old Mortar, Toothing Masonry Cutouts .....	15.54
02 41 19 13-0322	VLF Concrete Block, Hard Mortar, Toothing Masonry Cutouts .....	20.71
<b>02 41 19 13-0323</b>	<b>Minimum Charge For Cutouts</b> (02 41 19 13-0278)	
	Note: For projects where the total cutouts charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
02 41 19 13-0324	EA Cutouts Minimum Charge .....	517.87
<b>02 41 19 13-0325</b>	<b>Exterior Masonry Removal</b> (02 41 19 13)	
<b>02 41 19 13-0326</b>	<b>Masonry Columns Removal (Interior And Exterior)</b> (02 41 19 13-0325)	
02 41 19 13-0327	VLF 8" x 8" Masonry Column Removal .....	20.55
02 41 19 13-0328	VLF 10" x 10" Masonry Column Removal .....	32.11
02 41 19 13-0329	VLF 12" x 12" Masonry Column Removal .....	41.14
02 41 19 13-0330	VLF 14" x 14" Masonry Column Removal .....	51.49
02 41 19 13-0331	VLF 16" x 16" Masonry Column Removal .....	63.26
02 41 19 13-0332	CF Masonry Column Removal, Per CF Of Masonry Removed; For Other Sizes Over 16" Square .....	35.52
<b>02 41 19 13-0333</b>	<b>Masonry Chimney Removal</b> (02 41 19 13-0325)	
02 41 19 13-0334	CF Up To 3 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	41.67
02 41 19 13-0335	CF >3 To 10 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	31.28
02 41 19 13-0336	CF >10 To 20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	23.94

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	02 41 19 13-0337	CF		>20 CF/VLF Chimney Removal, Per CF Of Masonry Removed .....	16.58	
<b>02 41 19 13-0338</b>				<b>Remove And Reset Precast, Stone Or Masonry Coping</b> (02 41 19 13-0325) Note: Includes removing, cleaning, and resetting coping with new ties and mortar. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
	02 41 19 13-0339	LF		Up To 8" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	24.53	
	02 41 19 13-0340	LF		>8" To 12" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	36.84	
	02 41 19 13-0341	LF		>12" To 24" Wide, Remove And Reset Precast, Stone Or Masonry Coping .....	70.71	
<b>02 41 19 13-0342</b>				<b>Facade Removal</b> (02 41 19 13-0325) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
	02 41 19 13-0343	SF		Brick Or Block Facade Removal .....	7.83	
				<i>For Cleaning and Storage For Reuse, Add</i> .....	11.75	
				<i>For Reinforcing, Add</i> .....	1.17	
<b>02 41 19 13-0344</b>				<b>Exterior Masonry Removal</b> (02 41 19 13-0325) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
	02 41 19 13-0345	SF		Demolish 4" Thick Non-Reinforced Concrete Block Exterior Wall .....	6.88	
	02 41 19 13-0346	SF		Demolish 6" Thick Non-Reinforced Concrete Block Exterior Wall .....	7.75	
	02 41 19 13-0347	SF		Demolish 8" Thick Non-Reinforced Concrete Block Exterior Wall .....	9.38	
	02 41 19 13-0348	SF		Demolish 10" Thick Non-Reinforced Concrete Block Exterior Wall .....	10.26	
	02 41 19 13-0349	SF		Demolish 12" Thick Non-Reinforced Concrete Block Exterior Wall .....	11.26	
	02 41 19 13-0350	SF		Demolish 16" Thick Non-Reinforced Concrete Block Exterior Wall .....	14.09	
	02 41 19 13-0351	SF		Demolish 4" Thick Reinforced Concrete Block Exterior Wall .....	8.13	
	02 41 19 13-0352	SF		Demolish 6" Thick Reinforced Concrete Block Exterior Wall .....	9.31	
	02 41 19 13-0353	SF		Demolish 8" Thick Reinforced Concrete Block Exterior Wall .....	11.26	
	02 41 19 13-0354	SF		Demolish 10" Thick Reinforced Concrete Block Exterior Wall .....	12.31	
	02 41 19 13-0355	SF		Demolish 12" Thick Reinforced Concrete Block Exterior Wall .....	13.51	
	02 41 19 13-0356	SF		Demolish 16" Thick Reinforced Concrete Block Exterior Wall .....	16.90	
	02 41 19 13-0357	SF		Demolish 4" Thick Brick Exterior Wall .....	6.88	
				<i>For Cleaning and Storage For Reuse, Add</i> .....	10.32	
	02 41 19 13-0358	SF		Demolish 6" Thick Brick Exterior Wall .....	7.75	
				<i>For Cleaning and Storage For Reuse, Add</i> .....	11.63	
	02 41 19 13-0359	SF		Demolish 8" Thick Brick Exterior Wall .....	9.38	
				<i>For Cleaning and Storage For Reuse, Add</i> .....	14.07	
	02 41 19 13-0360	SF		Demolish 10" Thick Brick Exterior Wall .....	10.26	
				<i>For Cleaning and Storage For Reuse, Add</i> .....	15.39	
	02 41 19 13-0361	SF		Demolish 12" Thick Brick Exterior Wall .....	11.26	
				<i>For Cleaning and Storage For Reuse, Add</i> .....	16.89	
	02 41 19 13-0362	SF		Demolish 16" Thick Brick Exterior Wall .....	14.09	
				<i>For Cleaning and Storage For Reuse, Add</i> .....	21.14	
	02 41 19 13-0363	CF		Exterior Brick, Concrete Block Or Composite Removal .....	20.02	
				<i>For Cleaning and Storage For Reuse, Add</i> .....	30.03	
<b>02 41 19 13-0364</b>				<b>Parapet Masonry Removal</b> (02 41 19 13-0325) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Salvage modifier includes removing mortar, scraping, cleaning, placement on pallets and storage on site. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
	02 41 19 13-0365	SF		Demolish 8" Thick Concrete Block And Brick Parapet Wall .....	11.26	
	02 41 19 13-0366	SF		Demolish 12" Thick Concrete Block And Brick Parapet Wall .....	12.51	
	02 41 19 13-0367	SF		Demolish 16" Thick Concrete Block And Brick Parapet Wall .....	16.27	
	02 41 19 13-0368	SF		Demolish 18" Thick Concrete Block And Brick Parapet Wall .....	18.77	
	02 41 19 13-0369	SF		Demolish 24" Thick Concrete Block And Brick Parapet Wall .....	21.28	
<b>02 41 19 13-0370</b>				<b>Lintel Removal</b> (02 41 19 13-0325) Note: Includes any saw cutting that may be required for size reduction into manageable pieces for handling and disposal. Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
	02 41 19 13-0371	LF		Demolish Steel Lintel .....	16.50	
	02 41 19 13-0372	LF		Demolish Concrete Or Stone Lintel .....	22.00	
	02 41 19 13-0373	LF		Demolish Steel Shelf Angle .....	17.42	
<b>02 41 19 13-0374</b>				<b>Reinstall Lintel</b> (02 41 19 13-0325) Note: Excludes finished edge saw cutting at the intersection between demolition and undisturbed areas. See CSI section 02 41 19 13-0001 for saw cutting.		
	02 41 19 13-0375	LF		Clean, Prime And Paint Steel Shelf Angle Or Lintel .....	9.65	
	02 41 19 13-0376	LF		Reinstall Existing Concrete Or Stone Lintel .....	22.00	
	02 41 19 13-0377	LF		Reinstall Existing Steel Shelf Angle .....	59.84	
				Note: Includes fasteners.		
	02 41 19 13-0378	LF		Reinstall Existing Steel Lintel .....	24.45	
	02 41 19 13-0379	LF		Removal And Replacement Of Steel Shelf Angle Over Window Openings At Cavity Walls .....	97.30	
	02 41 19 13-0380	LF		Removal And Replacement Of Steel Lintel Over Window Openings .....	171.65	

**02 Existing Conditions****02 40 Demolition and Structure Moving****02 41 Demolition**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**02 41 19 16 Selective Interior Demolition (02 41 19)**

Note: Includes break-up of material, loading into truck or dumpster and clean-up.

02 41 19 16-0001	SF	Demolish Ceiling (02 41 19 16)	
02 41 19 16-0002	SF	Demolish Drywall Ceiling .....	1.36
02 41 19 16-0003	SF	Demolish Furred Plastered Ceiling .....	3.15
02 41 19 16-0004	SF	Demolish Suspended Plastered Ceiling And Suspension System.....	2.41
02 41 19 16-0005		Demolish Interior Partition/Wall (02 41 19 16)	
		Note: Price includes knock down, loading, clean-up.	
02 41 19 16-0006		Demolish Masonry And Concrete Interior Partition/Walls (02 41 19 16-0005)	
		Note: Includes saw cutting, knock down, loading and clean-up.	
02 41 19 16-0007		Demolish Concrete Block Interior Partition/Walls (02 41 19 16-0006)	
02 41 19 16-0008	SF	Demolish 4" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	7.30
02 41 19 16-0009	SF	Demolish 6" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	7.80
02 41 19 16-0010	SF	Demolish 8" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	8.78
02 41 19 16-0011	SF	Demolish 12" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	11.28
02 41 19 16-0012	SF	Demolish 16" Thick Non-Reinforced Concrete Block Interior Partition/Wall.....	14.09
02 41 19 16-0013	SF	Demolish 4" Thick Reinforced Concrete Block Interior Partition/Wall .....	8.75
02 41 19 16-0014	SF	Demolish 6" Thick Reinforced Concrete Block Interior Partition/Wall .....	9.35
02 41 19 16-0015	SF	Demolish 8" Thick Reinforced Concrete Block Interior Partition/Wall .....	10.55
02 41 19 16-0016	SF	Demolish 12" Thick Reinforced Concrete Block Interior Partition/Wall .....	13.53
02 41 19 16-0017	SF	Demolish 16" Thick Reinforced Concrete Block Interior Partition/Wall .....	16.91
02 41 19 16-0018		Demolish Brick Interior Partition/Walls (02 41 19 16-0006)	
02 41 19 16-0019	SF	Demolish 4" Thick Brick Interior Partition/Wall .....	7.30
02 41 19 16-0020	SF	Demolish 8" Thick Brick Interior Partition/Wall .....	8.78
02 41 19 16-0021	SF	Demolish 12" Thick Brick Interior Partition/Wall .....	11.26
02 41 19 16-0022	SF	Demolish 16" Thick Brick Interior Partition/Wall .....	14.09
02 41 19 16-0023		Demolish Glass Block Interior Partition/Walls (02 41 19 16-0006)	
02 41 19 16-0024	SF	Demolish Glass Block Interior Partition/Walls .....	6.26
02 41 19 16-0025		Demolish Concrete Interior Partition/Walls (02 41 19 16-0006)	
		See CSI section 02 41 16 13-0024 for concrete foundation demolition.	
02 41 19 16-0026	SF	Demolish 6" Thick Non-Reinforced Concrete Interior Partition/Wall .....	13.27
02 41 19 16-0027	SF	Demolish 8" Thick Non-Reinforced Concrete Interior Partition/Wall .....	16.58
02 41 19 16-0028	SF	Demolish 12" Thick Non-Reinforced Concrete Interior Partition/Wall .....	23.21
02 41 19 16-0029	SF	Demolish 6" Thick Reinforced Concrete Interior Partition/Wall .....	15.92
02 41 19 16-0030	SF	Demolish 8" Thick Reinforced Concrete Interior Partition/Wall .....	20.02
02 41 19 16-0031	SF	Demolish 12" Thick Reinforced Concrete Interior Partition/Wall .....	27.86
02 41 19 16-0032		Demolish Stud Framed Interior Partition/Walls (02 41 19 16-0005)	
		Note: Includes knock down, loading and clean-up. Includes demo of insulation if required.	
02 41 19 16-0033	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 1 Side .....	4.46
		For Heights >14' To 20', Add	0.67
		For Heights >20', Add	0.89
02 41 19 16-0034	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Drywall 2 Sides.....	5.20
		For Heights >14' To 20', Add	0.78
		For Heights >20', Add	1.04
02 41 19 16-0035	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 1 Side .....	5.70
		For Heights >14' To 20', Add	0.86
		For Heights >20', Add	1.14
02 41 19 16-0036	SF	Demolish Wood Or Metal Framed Interior Partition/Wall With Plaster And Lath 2 Sides .....	7.93
		For Heights >14' To 20', Add	1.19
		For Heights >20', Add	1.59
02 41 19 16-0037	SF	Demolish Plaster And Lath From 1 Side Of An Interior Partition/Wall.....	2.34
		For Heights >14' To 20', Add	0.35
		For Heights >20', Add	0.47
02 41 19 16-0038	SF	Demolish Plaster And Lath From 2 Sides Of An Interior Partition/Wall .....	2.80
		For Heights >14' To 20', Add	0.42
		For Heights >20', Add	0.56
02 41 19 16-0039		Demolish Concrete Stair (02 41 19 16)	
02 41 19 16-0040	CF	Demolish Interior Reinforced Concrete Stairs .....	11.26
02 41 19 16-0041	CF	Demolish Exterior Reinforced Concrete Stairs .....	9.27

**02 42 Removal and Salvage of Construction Materials (02 40)****02 42 21 Salvage of Construction Materials (02 42)**

Note: Includes placement on pallets and storage on site.

**02 42 21 35 Roofing Salvage (02 42 21)**

02 42 21 35-0001		Clay Tile Roofing Remove And Salvage For Re-use (02 42 21 35)	
		Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.	
02 42 21 35-0002	SQ	Removal Of Clay Roof Tile, Salvage For Re-use.....	410.54

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 42 21 47 Flooring Salvage (02 42 21)**

02 42 21 47-0001	Flooring Remove And Salvage For Re-Use (02 42 21 47)		
Note: Includes removing mortar, scraping, cleaning, placement on pallets and storage on site.			
02 42 21 47-0002	SF Removal Of Brick Flooring And Salvage.....	3.73	
02 42 21 47-0003	SF Removal Of Ceramic/Quarry Tile Floor And Salvage .....	3.73	
02 42 21 47-0004	SF Removal Of Terrazzo Flooring And Salvage .....	5.17	
02 42 21 47-0005	SF Removal Of Wood Strip Flooring And Salvage .....	3.02	
02 42 21 47-0006	SF Removal Of Wood Parquet Flooring And Salvage.....	1.60	
02 42 21 47-0007	SF Removal Of Resilient/Linoleum Flooring And Salvage .....	1.15	

**02 43 Structure Moving (02 40)**

**02 43 13 Structure Relocation (02 43)**

Note: Includes disconnection of utilities, moving of structure, one day move (excludes travel expenses and lodging), up to 24' wide. Reset on new foundations and hook up to utilities.

**02 43 13 13 Building Relocation (02 43 13)**

02 43 13 13-0001	Move Relocatable Structures (Trailer, Mobile Facilities, etc.), Complete (02 43 13 13)		
Note: Includes disconnect portable from foundation, separate relocatable unit and attachments as needed for transport, secure all relocatable attachments (awnings, steps, ramps, railing, etc.) for transport, transport relocatable and attachments to new location, including permits and police escort, connect to foundation per approved specifications/details, including welding and/or hurricane anchoring as needed.			
02 43 13 13-0002	SF Up To 800 SF, Move Relocatable Metal Frame Building.....	48.58	
02 43 13 13-0003	SF >800 To 920 SF, Move Relocatable Metal Frame Building.....	45.92	
02 43 13 13-0004	SF >920 SF, Move Relocatable Metal Frame Building.....	42.98	
02 43 13 13-0005	SF Up To 800 SF, Move Relocatable Wood Frame Building .....	38.98	
02 43 13 13-0006	SF >800 To 920 SF, Move Relocatable Wood Frame Building.....	36.43	
02 43 13 13-0007	SF >920 SF, Move Relocatable Wood Frame Building .....	32.23	
02 43 13 13-0008	SF Up To 800 SF, Move Relocatable Wood/Metal Frame Building.....	47.22	
02 43 13 13-0009	SF >800 To 920 SF, Move Relocatable Wood/Metal Frame Building .....	42.98	
02 43 13 13-0010	SF >920 SF, Move Relocatable Wood/Metal Frame Building .....	36.43	

**02 50 Site Remediation (02)**

**02 58 Snow Control (02 50)**

**02 58 13 Snow Fencing (02 58)**

02 58 13 00-0001	Snow/Sand Fence On Steel Posts (02 58 13)		
02 58 13 00-0002	LF Steel Fence Post, 10' On Center With 4' Wood Snow/Sand Fence.....	9.69	2.97

**02 60 Contaminated Site Material Removal (02)**

**02 61 Removal and Disposal of Contaminated Soils (02 60)**

**02 61 13 Excavation and Handling of Contaminated Material (02 61)**

See CSI section 31 23 16 00-0000 for excavation.

02 61 13 00-0001	Removal And Disposal Of Petroleum Contaminated Soil (02 61 13)		
02 61 13 00-0002	CY Remove And Dispose Of Petroleum Contaminated Soil.....	171.65	
Note: Includes loading, hauling up to 25 miles, disposal and fees.			
02 61 13 00-0003	Accessories For Contaminated Soil Stockpile (02 61 13)		
See CSI section 31 25 14 23-0001 for sand bags.			
02 61 13 00-0004	SF 10 Mil Liner For Contaminated Soil Storage .....	1.12	
02 61 13 00-0005	SF 20 Mil Liner For Contaminated Soil Storage .....	1.62	
02 61 13 00-0006	SF 30 Mil Liner For Contaminated Soil Storage .....	1.83	

**02 65 Underground Storage Tank Removal (02 60)**

Note: Petroleum gasoline is classified as a hazardous material; fuel oil is considered a non-hazardous material. See CSI section 01 74 19 00-0034 for hauling, 31 23 16 00-0000 for excavation, 31 41 00 00-0000 for shoring.

02 65 00 00-0001	Monitoring, Sampling, Testing And Analysis (02 65)		
02 65 00 00-0002	Direct-Push Samples For Testing (02 65 00 00-0001)		
02 65 00 00-0003	EA Mobilize Direct-Push Sampling Machine .....	346.32	
02 65 00 00-0004	EA Collection Of Direct-Push Soil Or Water Sample .....	272.55	
02 65 00 00-0005	Field Samples For Testing Underground Storage Tank (02 65 00 00-0001)		
02 65 00 00-0006	EA Collection Of Sludge Sample For Underground Storage Tank .....	26.16	
02 65 00 00-0007	EA Collection Of Pumpable Liquids Sample For Underground Storage Tank .....	26.16	
02 65 00 00-0008	EA Collection Of Soil Sample From Excavated Soil .....	26.16	
02 65 00 00-0009	Lab Tests For Underground Storage Tank Removal (02 65 00 00-0001)		
Note: Includes lab test fees, reports, shipping, handling, chain of custody documents and disposal of sample.			



**02 Existing Conditions****02 60 Contaminated Site Material Removal****02 65 Underground Storage Tank Removal**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 65 00 00-0010	EA		Benzene, Toluene, Ethylbenzene, Xylene 8020, Lab Test ..... Note: The cost is for the in-lab test for Benzene, Toluene, Ethylbenzene, And Xylene using procedure 8020 as detailed in EPA SW-846.	206.92	
02 65 00 00-0011	EA		Flashpoint, Lab Test ..... Note: The cost is for the in-lab test for the flashpoint using procedure 40CFR 261.21 as detailed in EPA SW-846.	80.47	
02 65 00 00-0012	EA		TOX 9020, Lab Test..... Note: The cost is for the in-lab test for total organic halides using procedure 9020 as detailed in EPA SW-846.	193.57	
02 65 00 00-0013	EA		TPH 8015 Modified, Lab Test..... Note: The cost is for the in-lab test for total petroleum hydrocarbons by gas chromatography using procedure 8015 Mod. as detailed in EPA SW-846.	206.92	
02 65 00 00-0014	EA		TRPH 418.1, Lab Test..... Note: The cost is for the in-lab test for total recoverable petroleum hydrocarbons using procedure 418.1 as detailed in EPA SW-846.	160.94	
02 65 00 00-0015	EA		VOC, Lab Test..... Note: The cost is for the in-lab test for volatile organics using procedure 8240 as detailed in EPA SW-846.	436.83	
02 65 00 00-0016	EA		Semi-Volatile Organic, Lab Test..... Note: The cost is for the in-lab test for semi-volatile organics using procedure 8270 as detailed in EPA SW-846.	804.68	
02 65 00 00-0017	EA		Oil And Grease 413.1, Lab Test..... Note: The cost is for the in-lab test for oil and grease using procedure 413.1 as detailed in EPA SW-846.	96.78	
02 65 00 00-0018	EA		TCLP (Extraction) - Metals, Lab Test..... Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	172.43	
02 65 00 00-0019	EA		TCLP (Extraction) - Semi-Volatile Organic, Lab Test..... Note: The cost is for the in-lab test for toxicity characteristics leaching procedures using procedure 1311 as detailed in EPA SW-846.	229.91	
02 65 00 00-0020	EA		Metals 6010 RCRA, Lab Test..... Note: The cost is for the in-lab test for metals using procedure 6010 RCRA as detailed in EPA SW-846.	257.50	
02 65 00 00-0021	EA		Metals (Arsenic) 7060, Lab Test..... Note: The cost is for the in-lab test for the metal arsenic using procedure 7060 as detailed in EPA SW-846.	34.49	
02 65 00 00-0022	EA		Metals (Selenium) 7740, Lab Test..... Note: The cost is for the in-lab test for the metal selenium (SE) using procedure 7740 as detailed in EPA SW-846.	34.49	
02 65 00 00-0023	EA		Metals (Lead) 7421, Lab Test..... Note: The cost is for the in-lab test for the metal lead using procedure 7421 as detailed in EPA SW-846.	34.49	
02 65 00 00-0024	EA		Metals (Mercury) 7470, Lab Test..... Note: The cost is for the in-lab test for the metal mercury using procedure 7470 as detailed in EPA SW-846.	64.37	
02 65 00 00-0025	EA		PNA/PAH 8100, Lab Test..... Note: The cost is for the in-lab test for polynuclear aromatic hydrocarbons using procedure 8100 as detailed in EPA SW-846.	367.86	
02 65 00 00-0026	EA		Fuel Id ASTM D3328-78, Lab Test..... Note: The cost is for the in-lab test to determine the constituents of fuel using the procedure as detailed in ASTM D3328-78.	133.08	
02 65 00 00-0027	EA		pH, Lab Test.....	27.59	
02 65 00 00-0028	EA		Lab Test - Polychlorinated Biphenyl (PCB) In Wastewater.....	344.86	
02 65 00 00-0029	EA		Methyl Tertiary Butyl Ether (MTBE), Lab Test.....	206.92	
02 65 00 00-0030			<b>Remove Tank Contents</b> (02 65)		
02 65 00 00-0031			<b>Transfer Liquid</b> (02 65 00 00-0030) Note: For use to transfer liquids from one tank to another.		
02 65 00 00-0032	GAL		Transfer Reusable Liquid To Different Tank..... Note: Per gallon of material transferred.	0.74	
02 65 00 00-0033			<b>Remove And Dispose Of Liquid From Tank</b> (02 65 00 00-0030)		
02 65 00 00-0034	GAL		Removal and Disposal Of Hazardous Liquids From Tank.....	2.85	
02 65 00 00-0035	GAL		Removal and Disposal Of Non-Hazardous Liquid From Tank.....	1.30	
02 65 00 00-0036			<b>Remove And Dispose Of Solids Or Sludge</b> (02 65 00 00-0030) Note: Includes scraping and solidifying agent.		
02 65 00 00-0037	GAL		Removal and Disposal Of Hazardous Solids Or Sludge From Tank.....	9.30	
02 65 00 00-0038	GAL		Removal and Disposal Of Non-Hazardous Solids Or Sludge From Tank.....	2.26	
02 65 00 00-0039			<b>Purge Vapors, Open And Clean Tank</b> (02 65)		
02 65 00 00-0040			<b>Purge Vapors, Open, And Clean Tank Interior</b> (02 65 00 00-0039) Note: Includes cutting openings in tank, dry ice for purging vapors, pressure washing tank interior and disposal of rinse water.		
02 65 00 00-0041	EA		Purge Vapors, Open And Clean Up To 275 Gal Tank Interior.....	703.52	
02 65 00 00-0042	EA		Purge Vapors, Open And Clean >275 - 500 Gal Tank Interior.....	1,175.49	
02 65 00 00-0043	EA		Purge Vapors, Open And Clean >500 - 1,000 Gal Tank Interior.....	1,813.24	
02 65 00 00-0044	EA		Purge Vapors, Open And Clean >1,000 - 2,000 Gal Tank Interior.....	2,550.97	
02 65 00 00-0045	EA		Purge Vapors, Open And Clean >2,000 - 5,000 Gal Tank Interior.....	4,026.45	
02 65 00 00-0046	EA		Purge Vapors, Open And Clean >5,000 - 10,000 Gal Tank Interior.....	5,901.89	
02 65 00 00-0047			<b>Tank And Piping Removal</b> (02 65) Note: Excludes excavation.		
02 65 00 00-0048			<b>Removal And Disposal Of Piping</b> (02 65 00 00-0047) Note: Includes removal, inspection, loading, transporting pipe to disposal facility or transfer station within 15 miles and disposal fees.		
02 65 00 00-0049	LF		Up To 4", Removal And Disposal Of Piping.....	25.27	
02 65 00 00-0050	LF		>4" To 8", Removal And Disposal Of Piping.....	33.69	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 65 00 00-0051	Remove And Dispose Of Tank <small>(02 65 00 00-0047)</small> Note: Includes removal, inspection, loading and transporting tank to disposal facility or transfer station within 15 miles, and disposal fees. Removal is from excavation for UST, or from building interior for AST.		
02 65 00 00-0052	EA Remove and Dispose of Up To 275 Gal Tank ..... <i>For Each Additional Mile &gt; 15 Miles, Add</i>	1,539.18	2.43
02 65 00 00-0053	EA Remove and Dispose of >275 - 500 Gal Tank..... <i>For Each Additional Mile &gt; 15 Miles, Add</i>	1,868.35	3.12
02 65 00 00-0054	EA Remove and Dispose of >500 - 1,000 Gal Tank..... <i>For Each Additional Mile &gt; 15 Miles, Add</i>	2,613.89	4.86
02 65 00 00-0055	EA Remove and Dispose of >1,000 - 2,000 Gal Tank..... <i>For Each Additional Mile &gt; 15 Miles, Add</i>	3,081.84	5.90
02 65 00 00-0056	EA Remove and Dispose of >2,000 - 5,000 Gal Tank..... <i>For Each Additional Mile &gt; 15 Miles, Add</i>	5,215.23	11.10
02 65 00 00-0057	EA Remove and Dispose of >5,000 - 10,000 Gal Tank..... <i>For Each Additional Mile &gt; 15 Miles, Add</i>	8,320.11	18.74
02 65 00 00-0058	Tank Closure Report <small>(02 65 00 00-0047)</small> Note: Excludes soils tests. See CSI section 02 65 00 00-0009 for soil tests.		
02 65 00 00-0059	EA Prepare Tank Closure Report.....	3,579.05	

**02 80 Facility Remediation** (02)

**02 82 Asbestos Remediation** (02 80)

See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

**02 82 13 Asbestos Abatement** (02 82)

02 82 13 00-0001	Air Monitoring And Bulk Sampling, Asbestos Testing <small>(02 82 13)</small> Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Polarizing Light Microscope (PLM), Phase Contrast Microscope (PCM), and Transmission Electron Microscope (TEM). Excludes sampling time.		
02 82 13 00-0002	HR Certified Asbestos Air Sampling Technician For Bulk Sampling Or Air Monitoring .....	94.95	
02 82 13 00-0003	EA 48 Hours Or Longer Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	62.50	
02 82 13 00-0004	EA Next Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	73.27	
02 82 13 00-0005	EA Same Day Turnaround, (Bulk Point Counting) PLM Test, Asbestos Testing .....	116.38	
02 82 13 00-0006	EA 48 Hours Or Longer Turnaround, (Bulk) TEM Test, Asbestos Testing .....	200.42	
02 82 13 00-0007	EA Next Day Turnaround, (Bulk) TEM Test, Asbestos Testing .....	243.53	
02 82 13 00-0008	EA 48 Hours Or Longer Turnaround, (Air) PCM Test, Asbestos Testing.....	49.57	
02 82 13 00-0009	EA Next Day Turnaround, (Air) PCM Test, Asbestos Testing .....	60.34	
02 82 13 00-0010	EA Same Day Turnaround, (Air) PCM Test, Asbestos Testing .....	81.89	
02 82 13 00-0011	EA 48 Hours Or Longer Turnaround, (Air Point Counting) PLM Test .....	62.50	
02 82 13 00-0012	EA Next Day Turnaround, (Air Point Counting) PLM Test.....	73.27	
02 82 13 00-0013	EA Same Day Turnaround, (Air Point Counting) PLM Test.....	116.38	
02 82 13 00-0014	EA 48 Hours Or Longer Turnaround, (Air) TEM Test, Asbestos Testing.....	200.42	
02 82 13 00-0015	EA Next Day Turnaround, (Air) TEM Test, Asbestos Testing.....	230.60	
02 82 13 00-0016	EA Same Day Turnaround, (Air) TEM Test, Asbestos Testing.....	321.11	

**02 82 33 Removal and Disposal of Asbestos Containing Materials** (02 82)

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, lockdown encapsulant applied to surfaces, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal of waste at transfer facility or final destination, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete abatement and disposal of the ACM in accordance with EPA, OSHA, and local regulations. Where types of ACM are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. For certain types of work, there is a task with a unit of measure of SET for a quantity of less than 10 LF or SF (10 LF to 20 LF for ACM pipe insulation), followed by a series of tasks for other quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.

02 82 33 00-0001	Pipe And Pipe Fittings Insulation, Asbestos Abatement And Disposal <small>(02 82 33)</small>		
02 82 33 00-0002	Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0001)</small> Note: Diameter is outer size of insulation. Treat fittings as additional linear feet of insulation.		
02 82 33 00-0003	Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0002)</small> See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0004	SET Up To 20 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	1,214.60	354.43
02 82 33 00-0005	LF >20 To 250 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	41.93	12.08
02 82 33 00-0006	LF >250 To 500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	31.87	9.06
02 82 33 00-0007	LF >500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	24.32	6.80
02 82 33 00-0008	LF >2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal .....	18.65	5.10
02 82 33 00-0009	LF >10,000 LF, Up To 6" Diameter Pipe Insulation, Asbestos Abatement And Disposal..... <i>For Work In Restricted Working Space, Add</i>	16.43	4.43
02 82 33 00-0010	>6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal <small>(02 82 33 00-0002)</small> See CSI section 02 82 33 00-0017 for projects with less than 10 LF.		
02 82 33 00-0011	SET Up To 20 LF Pipe Insulation, > 6" Diameter .....	1,247.77	354.43

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0012	LF	>20 To 250 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	49.64		
		<i>For Work In Restricted Working Space, Add</i>	23.90		
02 82 33 00-0013	LF	>250 To 500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	38.05		
		<i>For Work In Restricted Working Space, Add</i>	10.42		
02 82 33 00-0014	LF	>500 To 2,500 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	29.37		
		<i>For Work In Restricted Working Space, Add</i>	7.82		
02 82 33 00-0015	LF	>2,500 To 10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	22.85		
		<i>For Work In Restricted Working Space, Add</i>	5.86		
02 82 33 00-0016	LF	>10,000 LF, >6" To 12" Diameter Pipe Insulation, Asbestos Abatement And Disposal.....	20.31		
		<i>For Work In Restricted Working Space, Add</i>	5.10		
<b>02 82 33 00-0017</b>		<b>Glove Bag Method, Pipe Insulation, Asbestos Abatement And Disposal</b> (02 82 33 00-0023)			
		Note: Solid isolation barriers and plastic sheeting for containment construction (except on floor) are not required for glove bag projects unless required by local codes.			
02 82 33 00-0018	SET	Glove Bag For First 3 LF Pipe Insulation, Asbestos Abatement And Disposal.....	769.60		
		<i>For Work In Restricted Working Space, Add</i>	227.90		
02 82 33 00-0019	LF	>3 To 20 LF Additional Glove Bag Work for Pipe Insulation.....	129.93		
		<i>For Work In Restricted Working Space, Add</i>	37.98		
02 82 33 00-0020	LF	>20 To 250 LF Additional Glove Bag Work for Pipe Insulation.....	52.47		
		<i>For Work In Restricted Working Space, Add</i>	14.75		
02 82 33 00-0021	LF	>250 To 500 LF Additional Glove Bag Work for Pipe Insulation.....	40.17		
		<i>For Work In Restricted Working Space, Add</i>	11.06		
02 82 33 00-0022	LF	>500 LF Additional Glove Bag Work for Pipe Insulation.....	30.96		
		<i>For Work In Restricted Working Space, Add</i>	8.29		
<b>02 82 33 00-0023</b>		<b>Thermal Insulation, Asbestos Abatement And Disposal</b> (02 82 33)			
<b>02 82 33 00-0024</b>		<b>Other Thermal Insulation, Up To 3" Thickness, Asbestos Abatement And Disposal</b> (02 82 33 00-0023)			
		Note: e.g., duct, boiler, tank, etc.			
02 82 33 00-0025	SET	Up To 25 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	1,202.15		
02 82 33 00-0026	SF	>25 To 500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	41.10		
02 82 33 00-0027	SF	>500 To 2,500 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	32.55		
02 82 33 00-0028	SF	>2,500 To 10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	24.62		
02 82 33 00-0029	SF	>10,000 SF, Up To 3" Thickness Thermal Insulation, Asbestos Abatement And Disposal.....	18.67		
<b>02 82 33 00-0030</b>		<b>Surfacing Material, Asbestos Abatement And Disposal</b> (02 82 33)			
<b>02 82 33 00-0031</b>		<b>Fireproofing, Asbestos Abatement And Disposal</b> (02 82 33 00-0030)			
		Note: Exposed surface area, includes associated overspray.			
02 82 33 00-0032	SET	Up To 25 SF, Fireproofing, Asbestos Abatement And Disposal.....	1,202.15		
02 82 33 00-0033	SF	>25 To 500 SF, Fireproofing, Asbestos Abatement And Disposal.....	49.15		
02 82 33 00-0034	SF	>500 To 2,500 SF, Fireproofing, Asbestos Abatement And Disposal.....	37.06		
02 82 33 00-0035	SF	>2,500 To 10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	28.00		
02 82 33 00-0036	SF	>10,000 SF, Fireproofing, Asbestos Abatement And Disposal.....	21.21		
<b>02 82 33 00-0037</b>		<b>Acoustical Plaster, Asbestos Abatement And Disposal</b> (02 82 33 00-0030)			
		Note: Remove surface coat from brown coat or remove entire assembly, including lathe and finish materials.			
02 82 33 00-0038	SET	Up To 25 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	1,195.25		
02 82 33 00-0039	SF	>25 To 500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	20.73		
02 82 33 00-0040	SF	>500 To 2,500 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	15.81		
02 82 33 00-0041	SF	>2,500 To 10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	11.87		
02 82 33 00-0042	SF	>10,000 SF, Acoustical Plaster, Asbestos Abatement And Disposal.....	8.92		
<b>02 82 33 00-0043</b>		<b>Gypsum Wall Board, Asbestos Abatement And Disposal</b> (02 82 33 00-0030)			
02 82 33 00-0044	SET	Up To 50 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	1,209.07		
		<i>For Additional Layer, Add</i>	324.89		
02 82 33 00-0045	SF	>50 To 500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	16.06		
		<i>For Additional Layer, Add</i>	4.27		
02 82 33 00-0046	SF	>500 To 2,500 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	11.87		
		<i>For Additional Layer, Add</i>	3.11		
02 82 33 00-0047	SF	>2,500 To 10,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	9.41		
		<i>For Additional Layer, Add</i>	2.44		
02 82 33 00-0048	SF	>10,000 To 50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	7.44		
		<i>For Additional Layer, Add</i>	1.89		
02 82 33 00-0049	SF	>50,000 SF, Single Layer Gypsum Wall Board, Asbestos Abatement And Disposal.....	5.97		
		<i>For Additional Layer, Add</i>	1.49		
<b>02 82 33 00-0050</b>		<b>Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal</b> (02 82 33 00-0030)			
02 82 33 00-0051	SET	Up To 25 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	1,195.25		
02 82 33 00-0052	SF	>25 To 500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	29.99		
02 82 33 00-0053	SF	>500 To 2,500 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	22.11		
02 82 33 00-0054	SF	>2,500 To 10,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	17.39		
02 82 33 00-0055	SF	>10,000 To 50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	13.65		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0056	SF		>50,000 SF, Gypsum Wall Board (Or Backer Board) With Ceramic Tile And Mastic, Asbestos Abatement And Disposal.....	9.91	
<b>02 82 33 00-0057</b>			<b>Stucco, Asbestos Abatement And Disposal (02 82 33 00-0030)</b>		
02 82 33 00-0058	SET		Up To 50 SF, Stucco, Asbestos Abatement And Disposal .....	1,209.07	
02 82 33 00-0059	SF		>50 To 500 SF, Stucco, Asbestos Abatement And Disposal .....	26.24	
02 82 33 00-0060	SF		>500 To 2,500 SF, Stucco, Asbestos Abatement And Disposal .....	19.79	
02 82 33 00-0061	SF		>2,500 To 10,000 SF, Stucco, Asbestos Abatement And Disposal .....	15.00	
02 82 33 00-0062	SF		>10,000 SF, Stucco, Asbestos Abatement And Disposal .....	11.38	
<b>02 82 33 00-0063</b>			<b>Fireproofing For Small Areas, Asbestos Abatement And Disposal (02 82 33 00-0030)</b>		
Note: For asbestos abatement for up to 1 SF sections to expose area for attachments. See CSI section 02 82 33 00-0031 for areas > 1 SF.					
02 82 33 00-0064	EA		Up To 1 SF, Fireproofing For Small Areas, Asbestos Abatement And Disposal.....	197.73	
Note: For asbestos abatement for up to 1 SF sections to expose steel area for welding attachments.					
<b>02 82 33 00-0065</b>			<b>Plywood, Asbestos Abatement And Disposal (02 82 33 00-0030)</b>		
02 82 33 00-0066	SET		Up To 40 SF, Plywood, Asbestos Abatement And Disposal .....	1,203.54	
02 82 33 00-0067	SF		>50 To 500 SF, Plywood, Asbestos Abatement And Disposal .....	17.28	
02 82 33 00-0068	SF		>500 To 2,500 SF, Plywood, Asbestos Abatement And Disposal .....	8.60	
02 82 33 00-0069	SF		>2,500 To 10,000 SF, Plywood, Asbestos Abatement And Disposal .....	5.99	
02 82 33 00-0070	SF		>10,000 SF, Plywood, Asbestos Abatement And Disposal.....	5.17	
<b>02 82 33 00-0071</b>			<b>Flooring Material, Asbestos Abatement And Disposal (02 82 33)</b>		
<b>02 82 33 00-0072</b>			<b>Floor Tile, Linoleum, Carpet Or Base, Asbestos Abatement And Disposal (02 82 33 00-0071)</b>		
<b>02 82 33 00-0073</b>			<b>Floor Tile, Asbestos Abatement And Disposal (02 82 33 00-0072)</b>		
Note: Single layer or first of multiple layers. Excludes mastic.					
02 82 33 00-0074	SET		Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal .....	1,186.95	
			For Each Additional Layer, Add	178.04	
02 82 33 00-0075	SF		>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	8.60	
			For Each Additional Layer, Add	1.29	
02 82 33 00-0076	SF		>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	7.10	
			For Each Additional Layer, Add	1.07	
02 82 33 00-0077	SF		>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	5.72	
			For Each Additional Layer, Add	0.86	
02 82 33 00-0078	SF		>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile, Asbestos Abatement And Disposal.....	4.04	
			For Each Additional Layer, Add	0.61	
<b>02 82 33 00-0079</b>			<b>Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal (02 82 33 00-0072)</b>		
Note: Single layer or first of multiple layers. Excludes mastic.					
02 82 33 00-0080	SET		Up To 100 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal .....	1,186.95	
			For Each Additional Layer, Add	178.04	
02 82 33 00-0081	SF		>100 To 500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	8.60	
			For Each Additional Layer, Add	1.29	
02 82 33 00-0082	SF		>500 To 2,500 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	7.12	
			For Each Additional Layer, Add	1.07	
02 82 33 00-0083	SF		>2,500 To 10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	6.49	
			For Each Additional Layer, Add	0.97	
02 82 33 00-0084	SF		>10,000 SF, Single Layer Or Multiple Layers, Linoleum Or Vinyl Sheet, Asbestos Abatement And Disposal.....	5.30	
			For Each Additional Layer, Add	0.80	
<b>02 82 33 00-0085</b>			<b>Carpet, Asbestos Abatement And Disposal (02 82 33 00-0072)</b>		
02 82 33 00-0086	SET		Up To 100 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	1,186.95	
02 82 33 00-0087	SF		>100 To 500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal .....	6.78	
02 82 33 00-0088	SF		>500 To 2,500 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal .....	5.55	
02 82 33 00-0089	SF		>2,500 To 10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal .....	4.13	
02 82 33 00-0090	SF		>10,000 SF, Carpet With Non-Friable Asbestos Mastic, Asbestos Abatement And Disposal.....	3.21	
<b>02 82 33 00-0091</b>			<b>Wall Or Cove Base, Asbestos Abatement And Disposal (02 82 33 00-0072)</b>		
Note: Up to 12".					
02 82 33 00-0092	SET		Up To 25 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	400.71	
02 82 33 00-0093	LF		>25 To 100 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	5.53	
02 82 33 00-0094	LF		>100 To 500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal .....	3.43	
02 82 33 00-0095	LF		>500 To 2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	2.25	
02 82 33 00-0096	LF		>2,500 LF, Wall Base And Mastic, Asbestos Abatement And Disposal.....	1.66	
<b>02 82 33 00-0097</b>			<b>Mastic, Asbestos Abatement And Disposal (02 82 33 00-0071)</b>		
Note: Applies to single layer or bottom layer only of multiple layers. Non-hydrocarbon with pine, citrus or no odor.					
02 82 33 00-0098	SET		Up To 100 SF, Mastic, Asbestos Abatement And Disposal .....	1,195.25	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0099	SF		>100 To 500 SF, Mastic, Asbestos Abatement And Disposal.....	3.09	
			Note: Applies to bottom layer only if multiple layers.		
02 82 33 00-0100	SF		>500 To 2,500 SF, Mastic, Asbestos Abatement And Disposal.....	2.30	
			Note: Applies to bottom layer only if multiple layers.		

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 82 33 00-0101	SF		>2,500 To 10,000 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	1.81	
02 82 33 00-0102	SF		>10,000 SF, Mastic, Asbestos Abatement And Disposal..... Note: Applies to bottom layer only if multiple layers.	1.47	
02 82 33 00-0103			<b>Roofing, Asbestos Abatement And Disposal (02 82 33)</b>		
02 82 33 00-0104			<b>Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0103)</b> Note: Includes roofing, flashing, sheet metal, insulation, pitch pockets, board etc.		
02 82 33 00-0105			<b>Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0104)</b>		
02 82 33 00-0106	SET		Up To 125 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,250.55	
02 82 33 00-0107	SF		>125 To 1,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	8.10	
02 82 33 00-0108	SF		>1,000 To 5,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.59	
02 82 33 00-0109	SF		>5,000 To 10,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.39	
02 82 33 00-0110	SF		>10,000 To 20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.17	
02 82 33 00-0111	SF		>20,000 SF, Up To 2" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	3.27	
02 82 33 00-0112			<b>&gt;2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0104)</b>		
02 82 33 00-0113	SET		Up To 110 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,303.06	
02 82 33 00-0114	SF		>110 To 1,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.71	
02 82 33 00-0115	SF		>1,000 To 5,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.96	
02 82 33 00-0116	SF		>5,000 To 10,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.64	
02 82 33 00-0117	SF		>10,000 To 20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.25	
02 82 33 00-0118	SF		>20,000 SF, >2" To 5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	4.20	
02 82 33 00-0119			<b>&gt;5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0104)</b>		
02 82 33 00-0120	SET		Up To 110 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	1,363.89	
02 82 33 00-0121	SF		>110 To 1,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	11.21	
02 82 33 00-0122	SF		>1,000 To 5,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	9.27	
02 82 33 00-0123	SF		>5,000 To 10,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	7.79	
02 82 33 00-0124	SF		>10,000 To 20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	6.26	
02 82 33 00-0125	SF		>20,000 SF, >5" Average Thickness, Built-Up Tar And Felt Roofing, Asbestos Abatement And Disposal.....	5.10	
02 82 33 00-0126			<b>Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0103)</b>		
02 82 33 00-0127			<b>Shingles And Felt Roofing, Asbestos Abatement And Disposal (02 82 33 00-0126)</b>		
02 82 33 00-0128	SET		Up To 125 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	1,198.70	
02 82 33 00-0129	SF		>125 To 1,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	7.69	
			<i>For Each Additional Layer, Add</i>	1.54	
02 82 33 00-0130	SF		>1,000 To 5,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	6.18	
			<i>For Each Additional Layer, Add</i>	1.24	
02 82 33 00-0131	SF		>5,000 To 10,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	4.98	
			<i>For Each Additional Layer, Add</i>	1.00	
02 82 33 00-0132	SF		>10,000 To 20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	3.76	
			<i>For Each Additional Layer, Add</i>	0.75	
02 82 33 00-0133	SF		>20,000 SF, Shingles And Felt Roofing, Asbestos Abatement And Disposal..... Note: Single or first of multiple layers.	2.86	
			<i>For Each Additional Layer, Add</i>	0.57	
02 82 33 00-0134			<b>Asbestos-Cement Products, Asbestos Abatement And Disposal (02 82 33)</b>		
02 82 33 00-0135			<b>Interior Asbestos-Cement Board, Asbestos Abatement And Disposal (02 82 33 00-0134)</b> Note: Includes detachment of mounted objects before removal.		
02 82 33 00-0136	SET		Up To 100 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	1,209.06	
02 82 33 00-0137	SF		>100 To 500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	8.33	
02 82 33 00-0138	SF		>500 To 2,500 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	4.31	
02 82 33 00-0139	SF		>2,500 To 10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	3.50	
02 82 33 00-0140	SF		>10,000 SF, Interior Asbestos-Cement Board, Asbestos Abatement And Disposal..... Note: Includes detachment of mounted objects before removal.	3.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 82 33 00-0141	<b>Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal</b> (02 82 33 00-0134)				
02 82 33 00-0142	SET	Up To 100 SF,	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	1,209.06	
02 82 33 00-0143	SF	>100 To 500 SF,	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	7.27	
02 82 33 00-0144	SF	>500 To 2,500 SF,	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.86	
02 82 33 00-0145	SF	>2,500 To 10,000 SF,	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	3.14	
02 82 33 00-0146	SF	>10,000 SF,	Exterior Asbestos-Cement Board, Asbestos Abatement And Disposal	2.77	

02 82 33 00-0147	<b>Up To 12" Diameter Asbestos-Cement Pipe, Asbestos Abatement And Disposal</b> (02 82 33 00-0134)				
02 82 33 00-0148	SET	Up To 10 LF, Up To 12" Diameter	Asbestos-Cement Pipe, Asbestos Abatement And Disposal	1,017.70	
02 82 33 00-0149	LF	>10 To 100 LF, Up To 12" Diameter	Asbestos-Cement Pipe, Asbestos Abatement And Disposal	43.59	
02 82 33 00-0150	LF	>100 To 250 LF, Up To 12" Diameter	Asbestos-Cement Pipe, Asbestos Abatement And Disposal	33.53	
02 82 33 00-0151	LF	>250 To 500 LF, Up To 12" Diameter	Asbestos-Cement Pipe, Asbestos Abatement And Disposal	25.98	
02 82 33 00-0152	LF	>500 To 2,500 LF, Up To 12" Diameter	Asbestos-Cement Pipe, Asbestos Abatement And Disposal	20.31	
02 82 33 00-0153	LF	>2,500 To 10,000 LF, Up To 12" Diameter	Asbestos-Cement Pipe, Asbestos Abatement And Disposal	16.06	
02 82 33 00-0154	LF	>10,000 LF, Up To 12" Diameter	Asbestos-Cement Pipe, Asbestos Abatement And Disposal	15.76	

02 82 33 00-0155	<b>Exterior Transite Siding, Asbestos Abatement And Disposal</b> (02 82 33 00-0134)				
02 82 33 00-0156	SET	Up To 125 SF, Exterior Transite Siding,	Asbestos Abatement And Disposal	1,228.28	
		Note: Single or first of multiple layers.			
02 82 33 00-0157	SF	>125 To 1,000 SF, Exterior Transite Siding,	Asbestos Abatement And Disposal	6.57	
		Note: Single or first of multiple layers.			
02 82 33 00-0158	SF	>1,000 To 5,000 SF, Exterior Transite Siding,	Asbestos Abatement And Disposal	5.31	
		Note: Single or first of multiple layers.			
02 82 33 00-0159	SF	>5,000 To 10,000 SF, Exterior Transite Siding,	Asbestos Abatement And Disposal	4.31	
		Note: Single or first of multiple layers.			
02 82 33 00-0160	SF	>10,000 To 20,000 SF, Exterior Transite Siding,	Asbestos Abatement And Disposal	3.30	
		Note: Single or first of multiple layers.			
02 82 33 00-0161	SF	>20,000 SF, Exterior Transite Siding,	Asbestos Abatement And Disposal	2.55	
		Note: Single or first of multiple layers.			

**02 82 33 00-0162 Asbestos Contaminated Debris, Asbestos Abatement And Disposal** (02 82 33)

02 82 33 00-0164	SET	Up To 10 CF, Asbestos Contaminated Debris,	Asbestos Abatement And Disposal	820.78	
		<i>For Work In Restricted Working Space, Add</i>		236.28	
02 82 33 00-0165	CF	>10 To 100 CF, Asbestos Contaminated Debris,	Asbestos Abatement And Disposal	81.64	
		<i>For Work In Restricted Working Space, Add</i>		23.50	
02 82 33 00-0166	CF	>100 To 250 CF, Asbestos Contaminated Debris,	Asbestos Abatement And Disposal	55.53	
		<i>For Work In Restricted Working Space, Add</i>		15.66	
02 82 33 00-0167	CF	>250 To 500 CF, Asbestos Contaminated Debris,	Asbestos Abatement And Disposal	42.54	
		<i>For Work In Restricted Working Space, Add</i>		11.77	
02 82 33 00-0168	CF	>500 To 2,500 CF, Asbestos Contaminated Debris,	Asbestos Abatement And Disposal	34.64	
		<i>For Work In Restricted Working Space, Add</i>		9.40	
02 82 33 00-0169	CF	>2,500 To 10,000 CF, Asbestos Contaminated Debris,	Asbestos Abatement And Disposal	29.94	
		<i>For Work In Restricted Working Space, Add</i>		7.99	
02 82 33 00-0170	CF	>10,000 CF, Asbestos Contaminated Debris,	Asbestos Abatement And Disposal	27.28	
		<i>For Work In Restricted Working Space, Add</i>		7.19	
02 82 33 00-0171	SF	HEPA Vacuum Asbestos Debris Prior To Abatement,	Asbestos Abatement And Disposal	0.26	
		<i>For Work In Restricted Working Space, Add</i>		0.07	

**02 82 33 00-0172 Other Asbestos Containing Materials, Asbestos Abatement And Disposal** (02 82 33)

02 82 33 00-0173	<b>30" To 36" Fire Door, Asbestos Abatement And Disposal</b> (02 82 33 00-0172)				
02 82 33 00-0174	SET	Up To 1 EA, 30" To 36" Fire Door,	Asbestos Abatement And Disposal	408.73	
02 82 33 00-0175	EA	>1 To 20 EA, 30" To 36" Fire Door,	Asbestos Abatement And Disposal	156.70	
02 82 33 00-0176	EA	>20 EA, 30" To 36" Fire Door,	Asbestos Abatement And Disposal	142.53	

**02 82 33 00-0177 HVAC Duct Flexible Connector (Web Cloth), Asbestos Abatement And Disposal** (02 82 33 00-0172)

02 82 33 00-0178	SET	Up To 10 LF, HVAC Duct Flexible Connector (Web Cloth),	Asbestos Abatement And Disposal	394.49	
02 82 33 00-0179	LF	>10 To 50 LF, HVAC Duct Flexible Connector (Web Cloth),	Asbestos Abatement And Disposal	8.12	
02 82 33 00-0180	LF	>50 To 100 LF, HVAC Duct Flexible Connector (Web Cloth),	Asbestos Abatement And Disposal	6.11	
02 82 33 00-0181	LF	>100 To 250 LF, HVAC Duct Flexible Connector (Web Cloth),	Asbestos Abatement And Disposal	5.26	
02 82 33 00-0182	LF	>250 To 1,000 LF, HVAC Duct Flexible Connector (Web Cloth),	Asbestos Abatement And Disposal	4.54	
02 82 33 00-0183	LF	>1,000 To 2,500 LF, HVAC Duct Flexible Connector (Web Cloth),	Asbestos Abatement And Disposal	3.90	
02 82 33 00-0184	LF	>2,500 LF, HVAC Duct Flexible Connector (Web Cloth),	Asbestos Abatement And Disposal	3.37	

**02 82 33 00-0185 Grout, Asbestos Abatement And Disposal** (02 82 33 00-0172)

		Note: e.g. flue grout.			
02 82 33 00-0186	SET	Up To 10 LF, Grout, Asbestos Abatement And Disposal	394.26		
02 82 33 00-0187	LF	>10 To 50 LF, Grout, Asbestos Abatement And Disposal	15.56		
02 82 33 00-0188	LF	>50 To 100 LF, Grout, Asbestos Abatement And Disposal	10.73		
02 82 33 00-0189	LF	>100 To 250 LF, Grout, Asbestos Abatement And Disposal	9.19		
02 82 33 00-0190	LF	>250 To 1,000 LF, Grout, Asbestos Abatement And Disposal	7.90		
02 82 33 00-0191	LF	>1,000 To 2,500 LF, Grout, Asbestos Abatement And Disposal	6.81		

**02 Existing Conditions****02 80 Facility Remediation****02 82 Asbestos Remediation**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
02 82 33 00-0192	LF	>2,500 LF, Grout, Asbestos Abatement And Disposal.....			5.85
<b>02 82 33 00-0193</b>		<b>Gaskets, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>			
		Note: e.g. rope, web cloth, flat.			
02 82 33 00-0194	SET	Up To 10 LF, Gaskets, Asbestos Abatement And Disposal.....			394.49
02 82 33 00-0195	LF	>10 To 50 LF, Gaskets, Asbestos Abatement And Disposal.....			20.95
02 82 33 00-0196	LF	>50 To 250 LF, Gaskets, Asbestos Abatement And Disposal.....			15.74
02 82 33 00-0197	LF	>250 To 500 LF, Gaskets, Asbestos Abatement And Disposal.....			13.41
02 82 33 00-0198	LF	>500 To 1,500 LF, Gaskets, Asbestos Abatement And Disposal.....			12.08
02 82 33 00-0199	LF	>1,500 To 2,500 LF, Gaskets, Asbestos Abatement And Disposal.....			10.86
02 82 33 00-0200	LF	>2,500 LF, Gaskets, Asbestos Abatement And Disposal.....			10.34
<b>02 82 33 00-0201</b>		<b>Ceiling Tile Including Glue Removal, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>			
		Note: e.g. grid, spline, or glued on.			
02 82 33 00-0202	SET	Up To 50 SF, Ceiling Tile, Asbestos Abatement And Disposal.....			801.42
		Note: Including Glue Removal			
02 82 33 00-0203	SF	>50 To 1,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....			17.01
		Note: Including Glue Removal			
02 82 33 00-0204	SF	>1,000 To 2,500 SF, Ceiling Tile, Asbestos Abatement And Disposal.....			8.33
		Note: Including Glue Removal			
02 82 33 00-0205	SF	>2,500 To 10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....			5.72
		Note: Including Glue Removal			
02 82 33 00-0206	SF	>10,000 SF, Ceiling Tile, Asbestos Abatement And Disposal.....			4.90
		Note: Including Glue Removal			
<b>02 82 33 00-0207</b>		<b>Caulking, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>			
<b>02 82 33 00-0208</b>		<b>Caulking, Interior And Exterior (02 82 33 00-0207)</b>			
		Note: Includes Glazing Compound.			
02 82 33 00-0209	SET	Up To 10 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....			394.26
02 82 33 00-0210	LF	>10 To 50 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....			11.66
02 82 33 00-0211	LF	>50 To 100 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....			8.24
02 82 33 00-0212	LF	>100 To 250 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....			6.15
02 82 33 00-0213	LF	>250 To 1,000 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....			4.63
02 82 33 00-0214	LF	>1,000 To 2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....			3.67
02 82 33 00-0215	LF	>2,500 LF, Non-Friable Asbestos Contaminated Caulking, Asbestos Abatement And Disposal.....			3.19
<b>02 82 33 00-0216</b>		<b>Expansion Joints, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>			
02 82 33 00-0217	SET	Up To 10 LF, Expansion Joints, Asbestos Abatement And Disposal.....			394.26
02 82 33 00-0218	LF	>10 To 50 LF, Expansion Joints, Asbestos Abatement And Disposal.....			20.93
02 82 33 00-0219	LF	>50 To 250 LF, Expansion Joints, Asbestos Abatement And Disposal.....			15.72
02 82 33 00-0220	LF	>250 To 500 LF, Expansion Joints, Asbestos Abatement And Disposal.....			13.39
02 82 33 00-0221	LF	>500 To 1,500 LF, Expansion Joints, Asbestos Abatement And Disposal.....			12.06
02 82 33 00-0222	LF	>2,500 LF, Expansion Joints, Asbestos Abatement And Disposal.....			10.32
<b>02 82 33 00-0223</b>		<b>Brick And Block, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>			
02 82 33 00-0224	SET	Up To 10 CF, Brick And Block, Asbestos Abatement And Disposal.....			820.78
		For Work In Restricted Working Space, Add			236.28
02 82 33 00-0225	CF	>10 To 100 CF, Brick And Block, Asbestos Abatement And Disposal.....			81.64
		For Work In Restricted Working Space, Add			23.50
02 82 33 00-0226	CF	>100 To 250 CF, Brick And Block, Asbestos Abatement And Disposal.....			55.53
		For Work In Restricted Working Space, Add			15.66
02 82 33 00-0227	CF	>250 To 500 CF, Brick And Block, Asbestos Abatement And Disposal.....			42.54
		For Work In Restricted Working Space, Add			11.77
02 82 33 00-0228	CF	>500 To 2,500 CF, Brick And Block, Asbestos Abatement And Disposal.....			34.64
		For Work In Restricted Working Space, Add			9.40
02 82 33 00-0229	CF	>2,500 To 10,000 CF, Brick And Block, Asbestos Abatement And Disposal.....			29.94
		For Work In Restricted Working Space, Add			7.99
02 82 33 00-0230	CF	>10,000 CF, Brick And Block, Asbestos Abatement And Disposal.....			27.28
		For Work In Restricted Working Space, Add			7.19
<b>02 82 33 00-0231</b>		<b>Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>			
<b>02 82 33 00-0232</b>		<b>Wire Insulation, Asbestos Abatement And Disposal (02 82 33 00-0231)</b>			
02 82 33 00-0233	SET	Up To 10 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal.....			394.26
02 82 33 00-0234	LF	>10 To 50 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal.....			4.42
02 82 33 00-0235	LF	>50 To 100 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal.....			3.13
02 82 33 00-0236	LF	>100 To 250 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal.....			2.33
02 82 33 00-0237	LF	>250 To 1,000 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal.....			1.76
02 82 33 00-0238	LF	>1,000 To 2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal.....			1.41
02 82 33 00-0239	LF	>2,500 LF, Asbestos Wire Insulation, Asbestos Abatement And Disposal.....			1.23
<b>02 82 33 00-0240</b>		<b>Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>			
02 82 33 00-0241	SF	Tackboards/Chalkboards/Markerboards With Mastic, Asbestos Abatement And Disposal.....			5.20
02 82 33 00-0242	SF	Mastic On Walls, Asbestos Abatement And Disposal.....			19.83

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>02 82 33 00-0243</b>	<b>Other Material, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>	
02 82 33 00-0244	LF Chemical Countertops, Asbestos Abatement And Disposal .....	27.36
02 82 33 00-0245	EA Chemical Fume Hood, Asbestos Abatement And Disposal .....	1,556.38
02 82 33 00-0246	EA Elevator Brake Lining, Asbestos Abatement And Disposal .....	98.60
02 82 33 00-0247	EA Asbestos Sink Undercoating, Asbestos Abatement And Disposal .....	80.14

<b>02 82 33 00-0248</b>	<b>Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal (02 82 33 00-0172)</b>	
02 82 33 00-0249	SET Up To 4 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	851.30
02 82 33 00-0250	EA >4 To 40 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	86.40
02 82 33 00-0251	EA >40 To 60 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	62.91
02 82 33 00-0252	EA >60 To 125 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	51.21
02 82 33 00-0253	EA >125 To 625 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	44.11
02 82 33 00-0254	EA >625 To 1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	39.88
02 82 33 00-0255	EA >1,500 EA, Asbestos Contaminated Light Fixture, Asbestos Abatement And Disposal .....	37.48

**02 83 Lead Remediation (02 80)**

See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.

**02 83 19 Lead-Based Paint Remediation (02 83)**

**02 83 19 13 Lead-Based Paint Abatement (02 83 19)**

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, bagging, clean-up, vacuuming, transportation for up to 25 miles, disposal, personnel health monitoring, negative air, documentation and other associated costs necessary for the complete removal and disposal of lead contaminated materials in accordance with EPA and local regulations. Where types of Lead are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which task applies. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting.

**02 83 19 13-0001 Lead Sampling And Testing (02 83 19 13)**

Note: Includes packaging of sample for shipping, shipping to testing lab, chain of custody documentation, analysis of sample, lab report, and sample disposal. Excludes sampling time.

02 83 19 13-0002	HR Certified Lead Sampling Technician For Bulk Sampling Or Air Monitoring .....	112.50
02 83 19 13-0003	EA X-Ray Fluorescence (XRF) Lead Testing .....	74.29
	Note: Including Technician, 3 Readings Per Surface And Lab Fee	
02 83 19 13-0004	EA 5 Day Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	71.12
02 83 19 13-0005	EA 48 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	107.76
02 83 19 13-0006	EA 24 Hour Turnaround Toxicity Characteristic Leaching Procedure (TCLP) Lead Test And Lab Fee .....	150.86
02 83 19 13-0007	EA 5 Day Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	28.02
02 83 19 13-0008	EA 24 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	43.10
02 83 19 13-0009	EA 8 Hour Turnaround Total Threshold Leaching Concentration (TTLC) Lead Test And Lab Fee .....	53.88
02 83 19 13-0010	EA 5 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	71.12
02 83 19 13-0011	EA 3 Day Turnaround Soluble Threshold Limit Concentration (STLC) Lead Test And Lab Fee .....	107.76
02 83 19 13-0012	EA 5 Day Turnaround Lead Wipe Samples And Lab Fee .....	11.85
02 83 19 13-0013	EA 24 Hour Turnaround Lead Wipe Samples And Lab Fee .....	16.16
02 83 19 13-0014	EA 8 Hour Turnaround Lead Wipe Samples And Lab Fee .....	23.71
02 83 19 13-0015	EA 5 Day Turnaround Lead Air Samples And Lab Fee .....	11.85
02 83 19 13-0016	EA 24 Hour Turnaround Lead Air Samples And Lab Fee .....	16.16
02 83 19 13-0017	EA 8 Hour Turnaround Lead Air Samples And Lab Fee .....	23.71
02 83 19 13-0018	EA 5 Day Turnaround Lead Water Test and Lab Fee .....	43.10
02 83 19 13-0019	EA 24 Hour Turnaround Lead Water Test and Lab Fee .....	64.65
02 83 19 13-0020	EA 8 Hour Turnaround Lead Water Test and Lab Fee .....	86.20
02 83 19 13-0021	EA 5 Day Turnaround Lead Paint Chip Test and Lab Fee .....	44.57
02 83 19 13-0022	EA 5 Day Turnaround Lead Soil Test and Lab Fee .....	89.15

**02 83 19 13-0023 Chemical Stripping Of Lead Contaminated Material (02 83 19 13)**

Note: Per 0.02" (20 mils) application. Manufacture recommended operating temperatures not to be below 50 degrees. Includes heat gun (where required) for follow up, waste handling, packing and all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.

02 83 19 13-0024	LF Up To 6" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material .....	18.40
	For 0.025" (25 mil) Application, Add	1.07
	For 0.03" (30 mil) Application, Add	1.70
	For 0.125" (125 mil) Application, Add	9.10
02 83 19 13-0025	LF >6" To 12" Wide, Wood Trim, Chemical Stripping Of Lead Contaminated Material .....	37.70
	For 0.025" (25 mil) Application, Add	2.04
	For 0.03" (30 mil) Application, Add	3.15
	For 0.125" (125 mil) Application, Add	13.93
02 83 19 13-0026	SF Cornice, Chemical Stripping Of Lead Contaminated Material .....	19.93
	For 0.025" (25 mil) Application, Add	1.25
	For 0.03" (30 mil) Application, Add	2.03
02 83 19 13-0027	SF Wood Surfaces, Chemical Stripping Of Lead Contaminated Material .....	15.01
	For 0.025" (25 mil) Application, Add	0.95
	For 0.03" (30 mil) Application, Add	1.55
	For 0.125" (125 mil) Application, Add	9.75
02 83 19 13-0028	SF Brick, Concrete Block, Concrete, Chemical Stripping Of Lead Contaminated Material .....	12.25
	For 0.025" (25 mil) Application, Add	0.81
	For 0.03" (30 mil) Application, Add	1.34
	For 0.125" (125 mil) Application, Add	9.06
02 83 19 13-0029	SF Plaster, Stucco and Drywall Surfaces, Chemical Stripping Of Lead Contaminated Material .....	16.96
	For 0.025" (25 mil) Application, Add	1.05
	For 0.03" (30 mil) Application, Add	1.70

**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 83 19 13-0030	SF	Cabinets, Chemical Stripping Of Lead Contaminated Material .....	35.89
		For 0.025" (25 mil) Application, Add	1.99
		For 0.03" (30 mil) Application, Add	3.12
02 83 19 13-0031	SF	Flush Doors, One Side, Chemical Stripping Of Lead Contaminated Material .....	14.34
		For 0.025" (25 mil) Application, Add	0.92
		For 0.03" (30 mil) Application, Add	1.50
02 83 19 13-0032	SF	Raised Panel Doors and Decorative Doors, Chemical Stripping Of Lead Contaminated Material .....	17.65
		For 0.025" (25 mil) Application, Add	1.08
		For 0.03" (30 mil) Application, Add	1.75
02 83 19 13-0033	LF	Door Frames, Chemical Stripping Of Lead Contaminated Material .....	18.44
		For 0.025" (25 mil) Application, Add	1.12
		For 0.03" (30 mil) Application, Add	1.81
02 83 19 13-0034	SF	HVAC Grilles, Chemical Stripping Of Lead Contaminated Material .....	38.36
		For 0.025" (25 mil) Application, Add	2.12
		For 0.03" (30 mil) Application, Add	3.30
02 83 19 13-0035	LF	Up To 2" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	8.18
		For 0.025" (25 mil) Application, Add	0.56
		For 0.03" (30 mil) Application, Add	0.93
		For 0.125" (125 mil) Application, Add	6.55
02 83 19 13-0036	LF	>2" To 4" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	13.19
		For 0.025" (25 mil) Application, Add	0.81
		For 0.03" (30 mil) Application, Add	1.31
		For 0.125" (125 mil) Application, Add	7.80
02 83 19 13-0037	LF	>4" To 8" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	23.64
		For 0.025" (25 mil) Application, Add	1.43
		For 0.03" (30 mil) Application, Add	2.30
		For 0.125" (125 mil) Application, Add	13.41
02 83 19 13-0038	LF	>8" To 12" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	32.43
		For 0.025" (25 mil) Application, Add	1.92
		For 0.03" (30 mil) Application, Add	3.07
		For 0.125" (125 mil) Application, Add	17.11
02 83 19 13-0039	LF	>12" To 16" Diameter Pipes and Conduit, Chemical Stripping Of Lead Contaminated Material .....	58.23
		For 0.025" (25 mil) Application, Add	3.36
		For 0.03" (30 mil) Application, Add	5.32
		For 0.125" (125 mil) Application, Add	28.06
02 83 19 13-0040	SF	Flat And Raised Panel Wood Shutters, Chemical Stripping Of Lead Contaminated Material .....	23.91
		For 0.025" (25 mil) Application, Add	1.76
		For 0.03" (30 mil) Application, Add	2.99
02 83 19 13-0041	SF	Louvered Wood Shutters, Chemical Stripping Of Lead Contaminated Material .....	26.22
		For 0.025" (25 mil) Application, Add	1.88
		For 0.03" (30 mil) Application, Add	3.17
02 83 19 13-0042	SF	Flat Steel Surfaces, Chemical Stripping Of Lead Contaminated Material .....	13.25
		For 0.025" (25 mil) Application, Add	0.86
		For 0.03" (30 mil) Application, Add	1.42
		For 0.125" (125 mil) Application, Add	9.31
02 83 19 13-0043	SF	Corrugated Steel, Chemical Stripping Of Lead Contaminated Material .....	15.07
		For 0.025" (25 mil) Application, Add	0.95
		For 0.03" (30 mil) Application, Add	1.56
		For 0.125" (125 mil) Application, Add	9.77
02 83 19 13-0044	SF	Steel Beams and Columns, Chemical Stripping Of Lead Contaminated Material .....	15.01
		For 0.025" (25 mil) Application, Add	0.95
		For 0.03" (30 mil) Application, Add	1.55
		For 0.125" (125 mil) Application, Add	9.75
02 83 19 13-0045	SF	Windows (Sash, Sill, Jambs, Casing Trim), One Side, 1/1 Light, Chemical Stripping Of Lead Contaminated Material .....	34.82
		For 0.025" (25 mil) Application, Add	1.94
		For 0.03" (30 mil) Application, Add	3.04
02 83 19 13-0046	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 2/2 Light, Chemical Stripping Of Lead Contaminated Material .....	38.13
		For 0.025" (25 mil) Application, Add	2.11
		For 0.03" (30 mil) Application, Add	3.28
02 83 19 13-0047	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 4/4 Light, Chemical Stripping Of Lead Contaminated Material .....	40.36
		For 0.025" (25 mil) Application, Add	2.22
		For 0.03" (30 mil) Application, Add	3.45
02 83 19 13-0048	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 6/6 Light, Chemical Stripping Of Lead Contaminated Material .....	42.62
		For 0.025" (25 mil) Application, Add	2.33
		For 0.03" (30 mil) Application, Add	3.62
02 83 19 13-0049	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 8/8 Light Chemical Stripping Of Lead Contaminated Material .....	44.84
		For 0.025" (25 mil) Application, Add	2.44
		For 0.03" (30 mil) Application, Add	3.79
02 83 19 13-0050	SF	Windows (Sash, Sill, Jambs, Muntins, Casing Trim), One Side, 10/10 Light, Chemical Stripping Of Lead Contaminated Material .....	47.16
		For 0.025" (25 mil) Application, Add	2.56
		For 0.03" (30 mil) Application, Add	3.96
02 83 19 13-0051	SF	Metal Stairs, Chemical Stripping Of Lead Contaminated Material .....	69.51
		For 0.025" (25 mil) Application, Add	3.88
		For 0.03" (30 mil) Application, Add	6.06
		For 0.125" (125 mil) Application, Add	29.38
02 83 19 13-0052	LF	Metal Single Hand Rail, Chemical Stripping Of Lead Contaminated Material .....	12.00
		For 0.025" (25 mil) Application, Add	0.75
		For 0.03" (30 mil) Application, Add	1.22
		For 0.125" (125 mil) Application, Add	7.50
02 83 19 13-0053	SF	Metal Railing And Posts, Chemical Stripping Of Lead Contaminated Material .....	35.26
		Note: The unit of measure "SF" is measured for 'Length x Height'. Work includes both sides of railing.	
		For 0.025" (25 mil) Application, Add	2.06
		For 0.03" (30 mil) Application, Add	3.28
		For 0.125" (125 mil) Application, Add	17.82

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 83 19 13-0054	SF		Metal Picket Fence, Chemical Stripping Of Lead Contaminated Material.....	38.61	
			For 0.025" (25 mil) Application, Add	2.18	
			For 0.03" (30 mil) Application, Add	3.43	
			For 0.125" (125 mil) Application, Add	17.15	
<b>02 83 19 13-0055</b>			<b>Demolish Lead Contaminated Material</b> (02 83 19 13)		
			Note: Includes waste handling, packing, all personnel blood work, lab test fees and monitoring. Industrial coatings often contain other hazardous ingredients in addition to or in place of lead. These might include, but are not be limited to, chromium, cadmium and mercury.		
02 83 19 13-0056	SF		Demolish Plaster Or Stucco, And Lath, Lead Contaminated Material.....	4.46	
02 83 19 13-0057	SF		Demolish Walls, Gypsum Board, Lead Contaminated Material .....	1.44	
02 83 19 13-0058	SF		Demolish Suspended Ceiling System And Tile, Lead Contaminated Material .....	1.79	
02 83 19 13-0059	SF		Demolish Acoustical Ceiling Tile, Lead Contaminated Material .....	1.14	
02 83 19 13-0060	EA		Demolish Ceiling And Recessed Light Fixtures, Lead Contaminated Material .....	85.66	
02 83 19 13-0061	SF		Demolish Non-Load Bearing Partitions Of Plaster Or Stucco, Lath And Studs, Lead Contaminated Material.....	12.69	
02 83 19 13-0062	SF		Demolish Non-Load Bearing Partitions Of Gypsum Board And Studs, Lead Contaminated Material .....	7.11	
02 83 19 13-0063	SF		Demolish Brick, Lead Contaminated Material.....	5.35	
02 83 19 13-0064	SF		Demolish Concrete Block, Lead Contaminated Material.....	6.89	
02 83 19 13-0065	SF		Demolish Tile, Lead Contaminated Material .....	5.19	
02 83 19 13-0066	SF		Demolish Up To 6" Concrete, Lead Contaminated Material .....	7.80	
02 83 19 13-0067	LF		Demolish Wood Balustrades And Railings, Lead Contaminated Material.....	8.89	
02 83 19 13-0068	LF		Demolish Up To 6" Wide Baseboard, Lead Contaminated Material .....	2.31	
02 83 19 13-0069	LF		Demolish >6" To 12" Wide Baseboard, Lead Contaminated Material.....	2.89	
02 83 19 13-0070	SF		Demolish Concrete, Lead Contaminated Material .....	17.67	
02 83 19 13-0071	LF		Demolish Cabinets, Lead Contaminated Material .....	41.16	
02 83 19 13-0072	SF		Demolish Ceilings, Gypsum Board, Lead Contaminated Material .....	2.33	
02 83 19 13-0073	EA		Demolish Doors, Lead Contaminated Material .....	89.29	
02 83 19 13-0074	LF		Demolish Door And Window Trim Or Frames, Lead Contaminated Material.....	2.72	
02 83 19 13-0075	LF		Demolish Up To 1" Diameter Electrical Conduit, Lead Contaminated Material.....	3.52	
02 83 19 13-0076	LF		Demolish >1" To 2" Diameter Electrical Conduit, Lead Contaminated Material.....	5.85	
02 83 19 13-0077	EA		Demolish Up To 6" Diameter Hangers, Lead Contaminated Material.....	21.40	
02 83 19 13-0078	LF		Demolish Up To 2" Diameter Pipes, Lead Contaminated Material .....	8.77	
02 83 19 13-0079	LF		Demolish >2" To 4" Diameter Pipes, Lead Contaminated Material.....	12.80	
02 83 19 13-0080	LF		Demolish >4" To 8" Diameter Pipes, Lead Contaminated Material.....	19.34	
02 83 19 13-0081	LF		Demolish >8" To 12" Diameter Pipes, Lead Contaminated Material.....	35.68	
02 83 19 13-0082	EA		Demolish Radiators, Lead Contaminated Material.....	154.11	
02 83 19 13-0083	EA		Demolish Shutters, Lead Contaminated Material.....	60.05	
02 83 19 13-0084	SF		Demolish Siding, Lead Contaminated Material .....	2.38	
02 83 19 13-0085	SF		Demolish Soffit, Lead Contaminated Material.....	2.03	
02 83 19 13-0086	SF		Demolish Flat Steel Surfaces, Lead Contaminated Material.....	5.56	
02 83 19 13-0087	SF		Demolish Windows, Lead Contaminated Material .....	21.32	
02 83 19 13-0088	SF		Demolish Metal Stair, Lead Contaminated Material.....	10.21	
02 83 19 13-0089	LF		Demolish Single Metal Hand Rail, Lead Contaminated Material .....	7.50	
02 83 19 13-0090	LF		Demolish Metal Railing And Posts, Lead Contaminated Material .....	12.25	
02 83 19 13-0091	SF		Demolish Metal Picket Fence, Lead Contaminated Material .....	3.37	
02 83 19 13-0092	SF		Demolish Plywood, Lead Contaminated Material .....	9.22	
<b>02 83 19 13-0093</b>			<b>Wet Sanding/Light Scraping Of Lead Contaminated Material</b> (02 83 19 13)		
			Note: Remove loose, flaking lead-based paint to prepare for painting.		
02 83 19 13-0094	SF		Wet Sand/Scrape Of Lead Contaminated Material To Prepare For Painting.....	4.29	
<b>02 83 19 13-0095</b>			<b>Lead Abatement Encapsulation</b> (02 83 19 13)		
			Note: Can also be used for asbestos contaminated encapsulation. Spray applied application unless task described otherwise.		
02 83 19 13-0096	SF		Balustrades, Lead Abatement Encapsulation .....	7.65	
02 83 19 13-0097	LF		Up To 6" Wide, Baseboard, Lead Abatement Encapsulation .....	7.67	
02 83 19 13-0098	LF		>6" To 12" Wide, Baseboard, Lead Abatement Encapsulation.....	10.37	
02 83 19 13-0099	SF		Brick, Concrete Block, Concrete, Lead Abatement Encapsulation .....	4.87	
02 83 19 13-0100	SF		Ornate Cabinets, Lead Abatement Encapsulation .....	11.12	
02 83 19 13-0101	SF		Simple Design Cabinets, Lead Abatement Encapsulation .....	9.04	
02 83 19 13-0102	SF		Drywall Ceilings, Lead Abatement Encapsulation.....	3.02	
02 83 19 13-0103	SF		Wood Ceilings, Lead Abatement Encapsulation.....	3.69	
02 83 19 13-0104	SF		Acoustical And Popcorn Ceilings, Lead Abatement Encapsulation .....	3.41	
02 83 19 13-0105	SF		Columns, Lead Abatement Encapsulation .....	5.92	
02 83 19 13-0106	SF		Doors, Lead Abatement Encapsulation .....	11.40	
02 83 19 13-0107	LF		Up To 2" Electrical Conduit, Lead Abatement Encapsulation .....	5.02	
02 83 19 13-0108	SF		Picket Fence (Brush), Lead Abatement Encapsulation.....	3.49	
02 83 19 13-0109	SF		Wood Floors (Roller), Lead Abatement Encapsulation .....	2.89	
02 83 19 13-0110	SF		Grilles, Vents, Lead Abatement Encapsulation .....	8.26	
02 83 19 13-0111	LF		Gutters And Downspouts, Lead Abatement Encapsulation .....	7.65	
02 83 19 13-0112	EA		Hangers, Lead Abatement Encapsulation .....	66.00	
02 83 19 13-0113	LF		Up To 4" Diameter Pipe (Brush), Lead Abatement Encapsulation .....	4.63	
02 83 19 13-0114	LF		>4" To 8" Diameter Pipe (Brush), Lead Abatement Encapsulation .....	6.63	
02 83 19 13-0115	LF		>8" To 12" Diameter Pipe (Brush), Lead Abatement Encapsulation .....	10.23	
02 83 19 13-0116	LF		>12" To 16" Diameter Pipe (Brush), Lead Abatement Encapsulation .....	15.10	
02 83 19 13-0117	EA		Radiators, Lead Abatement Encapsulation.....	167.61	
02 83 19 13-0118	EA		Up To 6" Shutters, Lead Abatement Encapsulation .....	242.09	
02 83 19 13-0119	SF		Siding, Lead Abatement Encapsulation .....	4.19	
02 83 19 13-0120	SF		Up To 12" Soffit, Lead Abatement Encapsulation .....	5.92	
02 83 19 13-0121	SF		Steel, Flat Surfaces And Tanks Up To 12", Lead Abatement Encapsulation .....	4.87	
02 83 19 13-0122	SF		Steel Beams And Metal Decks, Lead Abatement Encapsulation.....	6.41	
02 83 19 13-0123	SF		Trusses, Lead Abatement Encapsulation .....	6.41	
02 83 19 13-0124	SF		Drywall Walls, Lead Abatement Encapsulation.....	2.69	



**02 Existing Conditions****02 80 Facility Remediation****02 83 Lead Remediation**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
02 83 19 13-0125	SF	Wood Walls, Lead Abatement Encapsulation.....	3.31	
02 83 19 13-0126	EA	Window Without Grille, Lead Abatement Encapsulation.....	141.41	
02 83 19 13-0127	EA	Window With Grille, Lead Abatement Encapsulation.....	182.11	
02 83 19 13-0128	LF	Wood Door Frames And Trim, Lead Abatement Encapsulation.....	4.40	
02 83 19 13-0129	LF	Steel Lintels, Lead Abatement Encapsulation.....	5.05	
<b>02 83 33 Removal and Disposal of Material Containing Lead (02 83)</b>				
<b>02 83 33 13 Lead-Based Paint Removal and Disposal (02 83 33)</b>				
<b>02 83 33 13-0001 Remove Loose Dirt And Debris Containing Lead (02 83 33 13)</b>				
02 83 33 13-0002	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Mild Detergent.....	0.36	
02 83 33 13-0003	SF	High Efficiency Particulate Air (HEPA) Vacuum And Wet Cleaning Of Lead Contaminated Area With Tri-Sodium Phosphate.....	0.34	
02 83 33 13-0004	SF	High Efficiency Particulate Air (HEPA) Vacuum And Shampoo Cleaning Of Lead Contaminated Carpeting.....	1.78	
<b>02 83 33 16 Lead Contaminated Ground Water (D008) Removal and Disposal (02 83 33)</b>				
<b>02 83 33 16-0001 Lead Contaminated Ground Water (D008) Removal and Disposal (02 83 33 16)</b>				
02 83 33 16-0002	DRM	55 Gallon Drum, Disposal Of Lead Contaminated Ground Water (D008).....	418.33	
02 83 33 16-0003	EA	Transportation Fee, Disposal Of Lead Contaminated Ground Water (D008).....	669.32	
Note: Includes manifest fee.				
<b>02 84 Polychlorinated Biphenyl Remediation (02 80)</b>				
<b>02 84 16 Handling of Lighting Ballasts and Lamps Containing PBCs and Mercury (02 84)</b>				
<b>02 84 16 00-0001 Removal Of TSCA-Exempt PCB And Non-PCB Ballasts From Demolished Fixtures (02 84 16)</b>				
Note: Includes removal of TSCA-exempt PCB and Non-PCB ballast from demolished lighting fixture and placing ballast in an approved container for recycling.				
02 84 16 00-0002	EA	Removal Of TSCA-Exempt Polychlorinated Biphenyl (PCB) And Non-PCB Ballast From A Demolished Fixture For Recycling.....	12.36	
<b>02 84 16 00-0003 Recycle TSCA-Exempt PCB And Non-PCB Ballasts (02 84 16)</b>				
Note: Non-leaking ballasts. Includes containers, shipping costs and recycling fees. Excludes ballast removal.				
02 84 16 00-0004	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	3.28	
02 84 16 00-0005	EA	Recycle Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	4.18	
02 84 16 00-0006	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	9.87	
02 84 16 00-0007	EA	Recycle TSCA-Exempt Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	20.65	
<b>02 84 16 00-0008 Disposal Of Leaking PCB And Non-PCB Ballasts (02 84 16)</b>				
Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes ballast removal.				
02 84 16 00-0009	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	5.97	
02 84 16 00-0010	EA	Dispose Of Leaking Non-Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	8.22	
02 84 16 00-0011	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From Up To 4' Length Fixtures.....	25.37	
02 84 16 00-0012	EA	Dispose Of Leaking Polychlorinated Biphenyl (PCB) Ballast Removed From >4' To 8' Length Fixtures.....	49.25	
<b>02 84 16 00-0013 Disposal Of Fixtures Contaminated By Leaking PCB Ballasts (02 84 16)</b>				
Note: Disposal at an EPA approved facility. Includes containers, shipping costs and disposal fees. Excludes demolition of fixture, ballast(s) removal and disposal of leaking ballast(s).				
02 84 16 00-0014	EA	Disposal Of Fixture Contaminated By Leaking Polychlorinated Biphenyl (PCB) Ballasts.....	164.50	
<b>02 87 Bio-Hazard Material Remediation (02 80)</b>				
Note: Tasks includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project.				
<b>02 87 13 Mold Remediation (02 87)</b>				
Note: Tasks include materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of mold in accordance with EPA, OSHA, IICRC standards and local regulations. Where types of Mold Remediation are listed by quantity, the quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. For those tasks the contractor will be paid the first task with a unit of measure of EA, plus an additional task to arrive at the appropriate quantity for the project. See CSI section 01 56 16 00-0023 for temporary stud walls, 01 74 19 00-0034 for hauling in excess of 25 miles to transfer or disposal site, 02 89 00 00-0005 for plastic sheeting for containment construction, 02 89 00 00-0012 for decontamination chambers.				
<b>02 87 13 33 Removal and Disposal of Materials with Mold (02 87 13)</b>				
<b>02 87 13 33-0001 Pipe And Pipe Fittings Insulation, Mold Abatement And Disposal (02 87 13 33)</b>				
Note: Treat fittings as additional lf of insulation.				
<b>02 87 13 33-0002 Pipe Insulation, Mold Abatement And Disposal (02 87 13 33-0001)</b>				
Note: Diameter is outer size of insulation.				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**02 87 13 33-0003 Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal** (02 87 13 33-0002)  
 Note: Excludes encased fittings.

02 87 13 33-0004	SET		Up To 20 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	804.19	
02 87 13 33-0005	LF	>20 To 250 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		31.28	
02 87 13 33-0006	LF	>250 To 500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		23.67	
02 87 13 33-0007	LF	>500 To 2,500 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		17.96	
02 87 13 33-0008	LF	>2,500 To 10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		13.68	
02 87 13 33-0009	LF	>10,000 LF, Up To 6" Diameter Pipe Insulation, Mold Abatement And Disposal.....		12.00	

**02 87 13 33-0010 >6" Diameter Pipe Insulation, Mold Abatement And Disposal** (02 87 13 33-0002)

02 87 13 33-0011	SET		Up To 20 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....	853.95	
02 87 13 33-0012	LF	>20 To 250 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		38.34	
02 87 13 33-0013	LF	>250 To 500 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		29.59	
02 87 13 33-0014	LF	>500 To 2,500 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		23.02	
02 87 13 33-0015	LF	>2,500 To 10,000 LF, >6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		18.09	
02 87 13 33-0016	LF	>10,000 LF, > 6" Diameter Pipe Insulation, Mold Abatement And Disposal .....		16.17	

**02 87 13 33-0017 Thermal Insulation, Mold Abatement And Disposal** (02 87 13 33)  
**02 87 13 33-0018 Other Thermal Insulation, Up To 3" Thick, Mold Abatement And Disposal** (02 87 13 33-0017)

02 87 13 33-0019	SET		Up To 50 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....	829.07	
02 87 13 33-0020	SF	>50 To 500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....		18.34	
02 87 13 33-0021	SF	>500 To 2,500 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....		13.96	
02 87 13 33-0022	SF	>2,500 To 10,000 SF, Up To 3" Thick Other Thermal Insulation, Mold Abatement And Disposal .....		10.68	
02 87 13 33-0023	SF	>10,000 SF, Up To 3" Thick Thermal Insulation, Mold Abatement And Disposal .....		8.38	

**02 87 13 33-0024 Surfacing Material, Mold Abatement And Disposal** (02 87 13 33)  
 Note: e.g. fireproofing, acoustical plaster, etc.  
**02 87 13 33-0025 Stucco, Mold Abatement And Disposal** (02 87 13 33-0024)  
 Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0026	SET		Up To 50 SF, Stucco, Mold Abatement And Disposal .....	815.25	
02 87 13 33-0027	SF	>50 To 500 SF, Stucco, Mold Abatement And Disposal .....		18.06	
02 87 13 33-0028	SF	>500 To 2,500 SF, Stucco, Mold Abatement And Disposal .....		13.68	
02 87 13 33-0029	SF	>2,500 To 10,000 SF, Stucco, Mold Abatement And Disposal .....		10.40	
02 87 13 33-0030	SF	>10,000 SF, Stucco, Mold Abatement And Disposal .....		7.95	

**02 87 13 33-0031 Acoustical Plaster, Mold Abatement And Disposal** (02 87 13 33-0024)  
 Note: Remove surface coat from brown coat or remove entire assembly, including lath.

02 87 13 33-0032	SET		Up To 50 SF, Acoustical Plaster, Mold Abatement And Disposal .....	815.25	
02 87 13 33-0033	SF	>50 To 500 SF, Acoustical Plaster, Mold Abatement And Disposal .....		18.06	
02 87 13 33-0034	SF	>500 To 2,500 SF, Acoustical Plaster, Mold Abatement And Disposal .....		13.68	
02 87 13 33-0035	SF	>2,500 To 10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....		10.40	
02 87 13 33-0036	SF	>10,000 SF, Acoustical Plaster, Mold Abatement And Disposal.....		7.95	

**02 87 13 33-0037 Gypsum Board, Mold Abatement And Disposal** (02 87 13 33-0024)

02 87 13 33-0038	SET		Up To 100 SF, Gypsum Board, Mold Abatement And Disposal .....	842.90	
02 87 13 33-0039	SF	>100 To 500 SF, Gypsum Board, Mold Abatement And Disposal .....		6.21	
02 87 13 33-0040	SF	>500 To 2,500 SF, Gypsum Board, Mold Abatement And Disposal .....		4.98	
02 87 13 33-0041	SF	>2,500 To 10,000 SF, Gypsum Board, Mold Abatement And Disposal .....		3.99	
02 87 13 33-0042	SF	>10,000 SF, Gypsum Board, Mold Abatement And Disposal .....		3.01	

**02 87 13 33-0043 Fireproofing, Mold Abatement And Disposal** (02 87 13 33-0024)  
 Note: Exposed surface area, includes associated overspray.

02 87 13 33-0044	SET		Up To 50 SF, Fireproofing, Mold Abatement And Disposal .....	829.07	
02 87 13 33-0045	SF	>50 To 500 SF, Fireproofing, Mold Abatement And Disposal .....		24.95	
02 87 13 33-0046	SF	>500 To 2,500 SF, Fireproofing, Mold Abatement And Disposal.....		18.95	
02 87 13 33-0047	SF	>2,500 To 10,000 SF, Fireproofing, Mold Abatement And Disposal .....		14.41	
02 87 13 33-0048	SF	>10,000 SF, Fireproofing, Mold Abatement And Disposal .....		11.02	

**02 87 13 33-0049 Flooring, Mold Abatement And Disposal** (02 87 13 33)  
 Note: Includes cove base.  
**02 87 13 33-0050 Floor Tile Or Linoleum, Mold Abatement And Disposal** (02 87 13 33-0049)  
**02 87 13 33-0051 Floor Tile Or Linoleum, Mold Abatement And Disposal** (02 87 13 33-0050)  
 Note: Single layer or first of multiple layers.

02 87 13 33-0052	SET		Up To 100 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....	842.90	
02 87 13 33-0053	SF	>100 To 500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....		6.17	
		For Each Additional Layer, Add		1.54	
02 87 13 33-0054	SF	>500 To 2,500 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....		3.58	
		For Each Additional Layer, Add		0.90	
02 87 13 33-0055	SF	>2,500 To 10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal.....		2.19	
		For Each Additional Layer, Add		0.55	
02 87 13 33-0056	SF	>10,000 SF, Single Layer Or First Of Multiple Layers, Floor Tile Or Linoleum, Mold Abatement And Disposal .....		1.76	
		For Each Additional Layer, Add		0.44	

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 87 13 33-0057	Carpet, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0058	Carpet, Glue Down, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0059	SET Up To 100 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	842.90	
02 87 13 33-0060	SF >100 To 500 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	5.18	
02 87 13 33-0061	SF >500 To 2,500 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	3.37	
02 87 13 33-0062	SF >2,500 To 10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	2.34	
02 87 13 33-0063	SF >10,000 SF, Carpet, Glue Down, Mold Abatement And Disposal .....	1.86	
02 87 13 33-0064	Carpet, Padded With Tack Strips, Mold Abatement And Disposal (02 87 13 33-0057)		
02 87 13 33-0065	SET Up To 100 SF, Carpet And Pad, Mold Abatement And Disposal .....	842.90	
	Note: Includes tack strips.		
02 87 13 33-0066	SF >100 To 500 SF, Carpet And Pad, Mold Abatement And Disposal .....	5.80	
	Note: Includes tack strips.		
02 87 13 33-0067	SF >500 To 2,500 SF, Carpet And Pad, Mold Abatement And Disposal .....	4.30	
	Note: Includes tack strips.		
02 87 13 33-0068	SF >2,500 To 10,000 SF, Carpet And Pad, Mold Abatement And Disposal .....	3.46	
	Note: Includes tack strips.		
02 87 13 33-0069	SF >10,000 SF, Carpet And Pad, Mold Abatement And Disposal .....	2.73	
	Note: Includes tack strips.		
02 87 13 33-0070	Subflooring, Mold Abatement And Disposal (02 87 13 33-0049)		
02 87 13 33-0071	SET Up To 75 SF, Subflooring, Mold Abatement And Disposal .....	829.07	
02 87 13 33-0072	SF >75 To 500 SF, Subflooring, Mold Abatement And Disposal .....	7.07	
02 87 13 33-0073	SF >500 To 2,500 SF, Subflooring, Mold Abatement And Disposal .....	4.63	
02 87 13 33-0074	SF >2,500 To 10,000 SF, Subflooring, Mold Abatement And Disposal .....	2.90	
02 87 13 33-0075	SF >10,000 SF, Subflooring, Mold Abatement And Disposal .....	1.96	
02 87 13 33-0076	Siding, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0077	Interior Paneling, Mold Abatement And Disposal (02 87 13 33-0076)		
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0078	SET Up To 100 SF, Interior Paneling, Mold Abatement And Disposal .....	842.90	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0079	SF >100 To 500 SF, Interior Paneling, Mold Abatement And Disposal .....	6.15	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0080	SF >500 To 2,500 SF, Interior Paneling, Mold Abatement And Disposal .....	4.41	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0081	SF >2,500 To 10,000 SF, Interior Paneling, Mold Abatement And Disposal .....	2.69	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0082	SF >10,000 SF, Interior Paneling, Mold Abatement And Disposal .....	2.12	
	Note: Includes detachment of mounted objects before removal.		
02 87 13 33-0083	Exterior Siding, Mold Abatement And Disposal (02 87 13 33-0076)		
02 87 13 33-0084	SET Up To 100 SF, Exterior Siding Board, Mold Abatement And Disposal .....	842.90	
02 87 13 33-0085	SF >100 To 500 SF, Exterior Siding Board, Mold Abatement And Disposal .....	7.58	
02 87 13 33-0086	SF >500 To 2,500 SF, Exterior Siding Board, Mold Abatement And Disposal .....	5.36	
02 87 13 33-0087	SF >2,500 To 10,000 SF, Exterior Siding Board, Mold Abatement And Disposal .....	3.70	
02 87 13 33-0088	SF >10,000 SF, Exterior Siding Board, Mold Abatement And Disposal .....	3.37	
02 87 13 33-0089	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0090	Contaminated Debris, Mold Abatement And Disposal (02 87 13 33-0089)		
02 87 13 33-0091	SET Up To 20 CF, Contaminated Debris, Mold Abatement And Disposal .....	853.95	
02 87 13 33-0092	CF >20 To 100 CF, Contaminated Debris, Mold Abatement And Disposal .....	30.56	
02 87 13 33-0093	CF >100 To 250 CF, Contaminated Debris, Mold Abatement And Disposal .....	21.48	
02 87 13 33-0094	CF >250 To 500 CF, Contaminated Debris, Mold Abatement And Disposal .....	16.94	
02 87 13 33-0095	CF >500 To 2,500 CF, Contaminated Debris, Mold Abatement And Disposal .....	14.21	
02 87 13 33-0096	CF >2,500 To 10,000 CF, Contaminated Debris, Mold Abatement And Disposal .....	9.28	
02 87 13 33-0097	CF >10,000 CF, Contaminated Debris, Mold Abatement And Disposal .....	8.66	
02 87 13 33-0098	Other Mold Containing Materials, Mold Abatement And Disposal (02 87 13 33)		
02 87 13 33-0099	Wood Studs, Mold Abatement And Disposal (02 87 13 33-0098)		
	Note: 2" x 4" or 2" x 6" exposed studs in walls. Excludes surfacing material.		
02 87 13 33-0100	SET Up To 100 LF, Wood Studs, Mold Abatement And Disposal .....	421.44	
02 87 13 33-0101	LF >100 To 500 LF, Wood Studs, Mold Abatement And Disposal .....	3.45	
02 87 13 33-0102	LF >500 To 2,500 LF, Wood Studs, Mold Abatement And Disposal .....	2.60	
02 87 13 33-0103	LF >2,500 To 10,000 LF, Wood Studs, Mold Abatement And Disposal .....	2.06	
02 87 13 33-0104	LF >10,000 LF, Wood Studs, Mold Abatement And Disposal .....	1.60	
02 87 13 33-0105	Ceiling Tile, Mold Abatement And Disposal (02 87 13 33-0098)		
	Note: e.g. grid, spline, or glued on; 12" x 12" to 2' x 4'.		
02 87 13 33-0106	SET Up To 100 SF, Ceiling Tile, Mold Abatement And Disposal .....	842.90	
02 87 13 33-0107	SF >100 To 1,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	10.40	
02 87 13 33-0108	SF >1,000 To 2,500 SF, Ceiling Tile, Mold Abatement And Disposal .....	5.03	
02 87 13 33-0109	SF >2,500 To 10,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	3.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 13 33-0110	SF	>10,000 To 25,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	3.65	
02 87 13 33-0111	SF	>25,000 To 50,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	3.58	
02 87 13 33-0112	SF	>50,000 To 100,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	3.17	
02 87 13 33-0113	SF	>100,000 SF, Ceiling Tile, Mold Abatement And Disposal .....	2.80	

**02 87 13 33-0114 Caulking, Mold Abatement And Disposal (02 87 13 33-0098)**

02 87 13 33-0115	SET	Up To 20 LF, Caulking, Mold Abatement And Disposal.....	197.82	
02 87 13 33-0116	LF	>20 To 50 LF, Caulking, Mold Abatement And Disposal .....	3.99	
02 87 13 33-0117	LF	>50 To 100 LF, Caulking, Mold Abatement And Disposal .....	2.87	
02 87 13 33-0118	LF	>100 To 250 LF, Caulking, Mold Abatement And Disposal .....	2.18	
02 87 13 33-0119	LF	>250 To 1,000 LF, Caulking, Mold Abatement And Disposal .....	1.62	
02 87 13 33-0120	LF	>1,000 To 2,500 LF, Caulking, Mold Abatement And Disposal .....	1.32	
02 87 13 33-0121	LF	>2,500 LF, Caulking, Mold Abatement And Disposal .....	1.15	

**02 87 13 33-0122 Wipe Down Walls, Ceilings And Floors (02 87 13 33-0098)**

02 87 13 33-0123	CSF	Wipe Down Floors With Mild Bleach Solution .....	21.90	
		<i>For &gt;25 To 50, Deduct</i>	-2.19	
		<i>For &gt;50 To 200, Deduct</i>	-5.47	
		<i>For &gt;200, Deduct</i>	-8.75	
02 87 13 33-0124	CSF	Wipe Down Walls With Mild Bleach Solution .....	25.76	
		<i>For &gt;25 To 50, Deduct</i>	-2.57	
		<i>For &gt;50 To 200, Deduct</i>	-6.44	
		<i>For &gt;200, Deduct</i>	-10.30	
02 87 13 33-0125	CSF	Wipe Down Ceilings With Mild Bleach Solution .....	29.30	
		<i>For &gt;25 To 50, Deduct</i>	-2.93	
		<i>For &gt;50 To 200, Deduct</i>	-7.32	
		<i>For &gt;200, Deduct</i>	-11.71	
02 87 13 33-0126	CSF	Wipe Down Countertops With Mild Bleach Solution .....	23.89	
		<i>For &gt;25 To 50, Deduct</i>	-2.39	
02 87 13 33-0127	CSF	Wipe Down Other Surfaces With Mild Bleach Solution .....	30.31	
		<i>For &gt;25 To 50, Deduct</i>	-3.03	
		<i>For &gt;50 To 200, Deduct</i>	-7.57	
		<i>For &gt;200, Deduct</i>	-12.12	

**02 87 16 Excrement Removal (02 87)**

Note: Includes materials, equipment, mobilization, preparation, critical barriers (e.g. electrical outlets, registers, windows, etc.), signage, removal, clean-up, vacuuming, disposal, personnel health monitoring, documentation and other associated costs necessary for the complete removal and disposal of the contaminated material in accordance with EPA and local regulations. The quantity of the entire project, not a particular work area, is to be used in determining which tasks apply. There is a task with a unit of measure of EA for a quantity of less than 10 SF, followed by a series of tasks for additional quantities. For those tasks, the contractor will be paid the first task with a unit of measure of EA, plus each additional task in sequence to arrive at the total quantity for the entire project, not a particular work area.

**02 87 16 13 Bird Excrement Removal (02 87 16)**

**02 87 16 13-0001 Bird Waste Removal (02 87 16 13)**

Note: In addition to items listed the Bio-Hazard Material Remediation note above, includes wetting agents and disinfection of contaminated surfaces.

02 87 16 13-0002	EA	Up To 10 SF, Bird Waste Removal.....	787.60	
		<i>For Work In Restricted Working Space, Add</i>	236.28	
02 87 16 13-0003	SF	>10 To 500 SF, Bird Waste Removal .....	13.13	
		<i>For Work In Restricted Working Space, Add</i>	3.94	
02 87 16 13-0004	SF	>500 To 2,500 SF, Bird Waste Removal .....	11.94	
		<i>For Work In Restricted Working Space, Add</i>	3.58	
02 87 16 13-0005	SF	>2,500 To 10,000 SF, Bird Waste Removal .....	10.85	
		<i>For Work In Restricted Working Space, Add</i>	3.26	
02 87 16 13-0006	SF	>10,000 SF, Bird Waste Removal .....	9.86	
		<i>For Work In Restricted Working Space, Add</i>	2.96	

**02 87 19 Bio-Hazard and Infectious Disease Control Remediation (02 87)**

**02 87 19 00-0001 Barriers For Bio-Hazard And Infectious Disease Control (02 87 19)**

**02 87 19 00-0002 Adjustable Barrier Panel System For Bio-Hazard And Infectious Disease Control (02 87 19 00-0001)**

Note: Panels are opal or transparent. Includes self-leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

02 87 19 00-0003	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000).....	693.68	
02 87 19 00-0004	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001).....	659.01	
02 87 19 00-0005	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002).....	520.35	
02 87 19 00-0006	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1).....	601.24	
02 87 19 00-0007	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003).....	1,173.21	
		Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0008	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004).....	240.17	
02 87 19 00-0009	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005).....	317.96	
02 87 19 00-0010	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006).....	341.07	
02 87 19 00-0011	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007) .....	199.72	
02 87 19 00-0012	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008).....	1,404.31	
		Note: Includes a hydraulic closer and a lever style lockset standard.		
02 87 19 00-0013	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009).....	199.72	
02 87 19 00-0014	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010).....	1,057.66	
		Note: Includes a hydraulic closer and a lever style lockset standard.		

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0015	EA		Closure Strips (Edge Guard 3003)..... Note: To seal panels to existing walls	15.04	
02 87 19 00-0016	EA		Digital Differential Pressure Gauge Kit (Edge Guard 3005).....	324.36	
<b>02 87 19 00-0017</b>			<b>Temporary Sheeting For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001) Note: Includes removal and disposal in approved landfill after use.		
02 87 19 00-0018	SF		6 Mil Plastic Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control .....	0.64	
02 87 19 00-0019	SF		6 Mil Plastic Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control.....	0.85	
02 87 19 00-0020	SF		6 Mil Plastic Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control.....	1.15	
02 87 19 00-0021	SF		6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, For Bio-Hazard And Infectious Disease Control.....	0.75	
02 87 19 00-0022	SF		6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, For Bio-Hazard And Infectious Disease Control .....	0.96	
02 87 19 00-0023	SF		6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, For Bio-Hazard And Infectious Disease Control .....	1.26	
<b>02 87 19 00-0024</b>			<b>Temporary Floor Protection For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001) Note: Includes removal after use.		
02 87 19 00-0025	SF		1/8" Thick, Masonite Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.11	
02 87 19 00-0026	SF		1/2" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.15	
02 87 19 00-0027	SF		3/4" Thick, Plywood Temporary Floor Protection For Bio-Hazard And Infectious Disease Control.....	2.51	
<b>02 87 19 00-0028</b>			<b>Temporary Stud Wall For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001) Note: Includes removal after use.		
02 87 19 00-0029	SF		1/2" Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	7.03	
02 87 19 00-0030	SF		1/2" Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	9.80	
02 87 19 00-0031	SF		5/8" Type Fire Rated Gypsum Board On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	7.22	
02 87 19 00-0032	SF		5/8" Type Fire Rated Gypsum Board On Both Sides, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control .....	10.19	
02 87 19 00-0033	SF		6 Mil, Fire Retardant, Plastic Sheeting On One Side, Temporary Wood Stud Wall For Bio-Hazard And Infectious Disease Control.....	4.01	
<b>02 87 19 00-0034</b>			<b>Isolation Barriers For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001)		
02 87 19 00-0035	GSF		Tent Construction Utilizing Two Layers Of 6 Mil Fire Rated Plastic Sheeting For Bio-Hazard And Infectious Disease Control .....	26.60	
			Note: Includes support frame of 2x4s or PVC piping (ground SF) up to 6' to construct stand-alone tents (floor, walls and ceiling) with airlock.		
02 87 19 00-0036	GSF		Relocate Tent Construction To Different Area .....	3.30	
<b>02 87 19 00-0037</b>			<b>Plexiglass Barriers For Bio-Hazard And Infectious Disease Control</b> (02 87 19 00-0001)		
02 87 19 00-0038	SF		3/8" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	22.60	
02 87 19 00-0039	SF		1/2" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control .....	26.43	
02 87 19 00-0040	SF		3/4" Thick, Clear Acrylic Glazing (Plexiglas) For Bio-Hazard And Infectious Disease Control.....	36.83	
02 87 19 00-0041	PR		Install Pair Of 8" Diameter Glove Iris Port In Barrier For Bio-Hazard And Infectious Disease Control..... Note: Excludes gloves.	1,524.23	
02 87 19 00-0042	PR		Pair Of 8" Diameter Economy Sleeved Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control..... Note: For installation in glove iris port.	546.08	
02 87 19 00-0043	PR		Pair Of 8" Diameter Bellows Type Gloves With Clamping Ring For Bio-Hazard And Infectious Disease Control..... Note: For installation in glove iris port.	868.64	
02 87 19 00-0044	EA		5-5/16" Diameter, Satin Anodized Aluminum, No-Draft Speak-Thru In Barrier For Bio-Hazard And Infectious Disease..... Note: Includes gaskets and mounting screws for installation on glass from 1/4" (6 mm) to 1/2" (12 mm) thick. Require a minimum hole diameter of 2-1/4" (57 mm), and will cover holes up to 4-1/4" (108 mm). Recommended hole diameter is 3-1/2" (89 mm).	162.06	
<b>02 87 19 00-0045</b>			<b>Temporary Portable And Mobile Trailers</b> (02 87 19)		
<b>02 87 19 00-0046</b>			<b>Trailer Delivery</b> (02 87 19 00-0045)		
02 87 19 00-0047	EA		Deliver Trailer Within 25 Miles .....	1,530.21	
<b>02 87 19 00-0048</b>			<b>Portable And Mobile Trailers, Purchase</b> (02 87 19 00-0045) Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0049	EA		8' x 24' Mobile Trailer With Toilet, Purchase .....	13,307.31	
			For Tie-Downs, Add .....	132.13	
02 87 19 00-0050	EA		8' x 32' Mobile Trailer With Toilet, Purchase .....	18,797.31	
			For Tie-Downs, Add .....	132.13	
02 87 19 00-0051	EA		10' x 36' Mobile Trailer With Toilet, Purchase .....	26,815.75	
			For Tie-Downs, Add .....	132.13	
02 87 19 00-0052	EA		10' x 44' Mobile Trailer With Toilet, Purchase .....	33,504.46	
			For Tie-Downs, Add .....	132.13	
02 87 19 00-0053	EA		10' x 50' Mobile Trailer With Toilet, Purchase .....	38,089.94	
			For Tie-Downs, Add .....	132.13	
02 87 19 00-0054	EA		12' x 50' Mobile Trailer With Toilet, Purchase .....	40,046.63	
			For Tie-Downs, Add .....	132.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 87 19 00-0055	EA		12' x 60' Mobile Trailer With Toilet, Purchase For Tie-Downs, Add	44,559.59 132.13	
<b>02 87 19 00-0056</b>			<b>Portable And Mobile Trailers, Rental</b> (02 87 19 00-0045) Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, & phone jacks. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.		
02 87 19 00-0057	MO		8' x 24' Mobile Trailer, With Toilet, Rental For Each Anchoring Into Dirt, Add For Each Anchoring Into Asphalt Or Concrete, Add For Each Delivery And Removal, Two Round Trips, Add For Each Set-Up (Block And Level), Add	243.93 134.27 201.40 762.88 432.08	
02 87 19 00-0058	MO		8' x 32' Mobile Trailer, With Toilet, Rental For Each Anchoring Into Dirt, Add For Each Anchoring Into Asphalt Or Concrete, Add For Each Delivery And Removal, Two Round Trips, Add For Each Set-Up (Block And Level), Add	276.44 134.27 201.40 762.88 432.08	
02 87 19 00-0059	MO		10' x 36' Mobile Trailer, With Toilet, Rental For Each Anchoring Into Dirt, Add For Each Anchoring Into Asphalt Or Concrete, Add For Each Delivery And Removal, Two Round Trips, Add For Each Set-Up (Block And Level), Add	374.02 134.27 201.40 1,080.76 704.97	
02 87 19 00-0060	MO		10' x 44' Mobile Trailer, With Toilet, Rental For Each Anchoring Into Dirt, Add For Each Anchoring Into Asphalt Or Concrete, Add For Each Delivery And Removal, Two Round Trips, Add For Each Set-Up (Block And Level), Add	439.06 134.27 201.40 1,080.76 704.97	
02 87 19 00-0061	MO		10' x 50' Mobile Trailer, With Toilet, Rental For Each Anchoring Into Dirt, Add For Each Anchoring Into Asphalt Or Concrete, Add For Each Delivery And Removal, Two Round Trips, Add For Each Set-Up (Block And Level), Add	463.46 134.27 201.40 1,080.76 704.97	
02 87 19 00-0062	MO		12' x 50' Mobile Trailer, With Toilet, Rental For Each Anchoring Into Dirt, Add For Each Anchoring Into Asphalt Or Concrete, Add For Each Delivery And Removal, Two Round Trips, Add For Each Set-Up (Block And Level), Add	599.24 134.27 201.40 1,080.76 704.97	
02 87 19 00-0063	MO		12' x 60' Mobile Trailer, With Toilet, Rental For Each Anchoring Into Dirt, Add For Each Anchoring Into Asphalt Or Concrete, Add For Each Delivery And Removal, Two Round Trips, Add For Each Set-Up (Block And Level), Add	828.52 134.27 201.40 1,080.76 704.97	
02 87 19 00-0064	MO		24' x 60' Modular Trailer, With Toilet, Rental For Each Delivery And Removal, Two Round Trips, Add For Each Set-Up (Block And Level), Add For Each Anchoring Into Dirt, Add For Each Anchoring Into Asphalt Or Concrete, Add	1,300.91 2,034.36 1,137.05 134.27 201.40	
<b>02 87 19 00-0065</b>			<b>Accessories For Portable And Mobile Trailers</b> (02 87 19 00-0045)		
<b>02 87 19 00-0066</b>			<b>Skirting</b> (02 87 19 00-0065) Note: Includes 2" x 4" wood framing 16" on center.		
02 87 19 00-0067	SF		1'-8" High Vinyl Covered Skirt	5.80	2.34
02 87 19 00-0068	SF		3' High Vinyl Covered Skirt	8.55	3.85
<b>02 87 19 00-0069</b>			<b>Aluminum Modular Access Ramp</b> (02 87 19 00-0065) Note: Includes picketed guardrails, inside grabrails, legs and hardware.		
02 87 19 00-0070	EA		Up To 35" High, Aluminum Modular Access Ramp	3,898.62	44.67
<b>02 87 19 00-0071</b>			<b>Aluminum Modular Stairs</b> (02 87 19 00-0065) Note: Excludes earthwork		
02 87 19 00-0072	EA		Aluminum Steps For Mobile Trailers	1,078.98	
<b>02 87 19 00-0073</b>			<b>Decontamination Chambers For Bio-Hazard And Infectious Disease Control</b> (02 87 19) Note: Includes removal after use.		
02 87 19 00-0074	EA		Portable Personnel Decontamination Wash Facility (3 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,065.26	
02 87 19 00-0075	EA		Portable Personnel Decontamination Wash Facility (5 Stage) For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	1,256.29	
02 87 19 00-0076	EA		Portable Waste Decontamination Unit For Bio-Hazard And Infectious Disease Control Note: Includes connection to negative air system.	656.36	
<b>02 87 19 00-0077</b>			<b>Bio-Hazard And Infectious Disease Control Cleaning, Level 2</b> (02 87 19) Note: Includes worker personal protection equipment suites, gloves and masks. Level 1 Biohazard - Minor bacteria and viruses as well as non-infectious bacteria. Microbes are not known to cause disease in healthy hosts and pose minimal risk to workers and the environment. Level 2 Biohazard - Bacteria and viruses that cause mild disease or are difficult to contract. Microbes are typically indigenous and are associated with diseases of varying severity. They pose moderate risk to workers and the environment. Level 3 Biohazard - Microbes are indigenous or exotic and cause serious or potential lethal diseases through respiratory transmission. Disposal of materials used to wipe down surfaces in approved landfill after use. See CSI section 02 87 19 00-0147 for disposal of material into approved landfill.		
<b>02 87 19 00-0078</b>			<b>Bio-Hazard And Infectious Disease Control Cleaning Mobilization</b> (02 87 19 00-0077)		

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 87 19 00-0079 EA Bio-Hazard And Infectious Disease Control Mobilization And Set-Up.....430.30  
Note: Mobilization and set-up minimum for each site location, for levels 1, 2 or 3.

**02 87 19 00-0080 Bio-Hazard And Infectious Disease Control Cleaning Of Surfaces (02 87 19 00-0077)**

Note: Includes electrostatic spraying of surfaces with mild bleach, wet mop/wipe, disinfect and high efficiency particulate air (HEPA) vacuum surfaces

02 87 19 00-0081 CSF Cleaning Of Floors For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....31.91  
For >25 To 50, Deduct -3.19  
For >50 To 200, Deduct -6.38  
For >200, Deduct -9.56  
For Cleaning Surfaces With Goldshield® GS5, Add 14.86  
For Level 1 Biohazard Cleaning, Deduct -6.38  
For Level 3 Biohazard Cleaning, Add 10.52

02 87 19 00-0082 CSF Cleaning Of Walls For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....37.53  
For >25 To 50, Deduct -3.75  
For >50 To 200, Deduct -7.50  
For >200, Deduct -11.25  
For Cleaning Surfaces With Goldshield® GS5, Add 14.86  
For Level 1 Biohazard Cleaning, Deduct -7.50  
For Level 3 Biohazard Cleaning, Add 12.38

02 87 19 00-0083 CSF Cleaning Of Ceilings For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....42.68  
For >25 To 50, Deduct -4.27  
For >50 To 200, Deduct -8.53  
For >200, Deduct -12.80  
For Cleaning Surfaces With Goldshield® GS5, Add 14.86  
For Level 1 Biohazard Cleaning, Deduct -8.53  
For Level 3 Biohazard Cleaning, Add 14.07

02 87 19 00-0084 CSF Cleaning Of Countertops For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution.....34.81  
For Cleaning Surfaces With Goldshield® GS5, Add 14.86  
For >5 To 10, Deduct -1.74  
For >10 To 50, Deduct -3.48  
For >50, Deduct -6.96  
For Level 1 Biohazard Cleaning, Deduct -6.96  
For Level 3 Biohazard Cleaning, Add 11.48

02 87 19 00-0085 CSF Cleaning Of Other Surfaces For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....44.16  
For >25 To 50, Deduct -4.41  
For >50 To 200, Deduct -8.83  
For >200, Deduct -13.24  
For Cleaning Surfaces With Goldshield® GS5, Add 14.86  
For Level 1 Biohazard Cleaning, Deduct -8.83  
For Level 3 Biohazard Cleaning, Add 14.56

**02 87 19 00-0086 Bio-Hazard And Infectious Disease Control Cleaning Of Equipment And Materials (02 87 19 00-0077)**

Note: Includes spraying of surfaces with mild bleach, wet mop/wipe and disinfect

02 87 19 00-0087 EA Cleaning Of Plumbing Fixture For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....82.46  
For Level 1 Biohazard Cleaning, Deduct -16.49  
For Level 3 Biohazard Cleaning, Add 27.20  
For Cleaning Surfaces With Goldshield® GS5, Add 7.43

02 87 19 00-0088 EA Cleaning Of Restroom Accessory For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....37.84  
For Level 1 Biohazard Cleaning, Deduct -7.56  
For Level 3 Biohazard Cleaning, Add 12.48  
For Cleaning Surfaces With Goldshield® GS5, Add 4.95

02 87 19 00-0089 EA Cleaning Of Kitchen Appliance For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....132.81  
For Level 1 Biohazard Cleaning, Deduct -26.56  
For Level 3 Biohazard Cleaning, Add 43.82  
For Cleaning Surfaces With Goldshield® GS5, Add 7.43

02 87 19 00-0090 EA Cleaning Of Electrical Switch/Receptacle For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution .....8.20  
For Level 1 Biohazard Cleaning, Deduct -1.63  
For Level 3 Biohazard Cleaning, Add 2.70  
For Cleaning Surfaces With Goldshield® GS5, Add 1.49

02 87 19 00-0091 EA Cleaning Of WorkStation, Exterior Wipe For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up .....122.44  
Note: Includes desk, chair, computer, monitor(s), keyboard, mouse, lamp, drawers  
For Level 1 Biohazard Cleaning, Deduct -24.48  
For Level 3 Biohazard Cleaning, Add 40.40  
For Cleaning Surfaces With Goldshield® GS5, Add 7.43

02 87 19 00-0092 EA Cleaning Of Knobs, Latches, And Locks For Bio-Hazard And Infectious Disease Control With Mild Bleach Solution Clean-up .....13.08  
For Level 1 Biohazard Cleaning, Deduct -2.61  
For Level 3 Biohazard Cleaning, Add 4.31  
For Cleaning Surfaces With Goldshield® GS5, Add 1.49

**02 87 19 00-0093 Bio-Hazard And Infectious Disease Control Cleaning Of Ductwork (02 87 19 00-0077)**

02 87 19 00-0094 LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....4.82  
For Level 1 Biohazard Cleaning, Deduct -0.96  
For Level 3 Biohazard Cleaning, Add 1.58

02 87 19 00-0095 LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....6.04  
For Level 1 Biohazard Cleaning, Deduct -1.20  
For Level 3 Biohazard Cleaning, Add 1.97

02 87 19 00-0096 LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning .....8.09  
For Level 1 Biohazard Cleaning, Deduct -1.59  
For Level 3 Biohazard Cleaning, Add 2.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0097	LF		>8 SF Cross Section, Clean Supply/Return Ductwork For Bio-Hazard And Infectious Disease Control Cleaning.....	11.45	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-2.24	
			<i>For Level 3 Biohazard Cleaning, Add</i>	3.70	
02 87 19 00-0098	EA		Clean Duct Coil For Bio-Hazard And Infectious Disease Control Cleaning .....	215.18	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-43.03	
			<i>For Level 3 Biohazard Cleaning, Add</i>	71.00	
02 87 19 00-0099	SF		Clean Duct Dampers And Vane Sets For Bio-Hazard And Infectious Disease Control Cleaning .....	14.97	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-2.99	
			<i>For Level 3 Biohazard Cleaning, Add</i>	4.93	
02 87 19 00-0100	EA		Clean Fan Coil Unit (FCU) Or Variable Air Volume (VAV) Unit For Bio-Hazard And Infectious Disease Control Cleaning .....	143.46	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-28.69	
			<i>For Level 3 Biohazard Cleaning, Add</i>	47.33	
02 87 19 00-0101	EA		Clean Air Handling Unit Fan And Coil For Bio-Hazard And Infectious Disease Control Cleaning .....	430.33	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-86.06	
			<i>For Level 3 Biohazard Cleaning, Add</i>	142.00	
02 87 19 00-0102	EA		Clean Grille/Diffuser/Register For Bio-Hazard And Infectious Disease Control Cleaning .....	35.89	
			Note: Includes removal and reinstallation.		
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-7.17	
			<i>For Level 3 Biohazard Cleaning, Add</i>	11.83	
02 87 19 00-0103	SF		Apply Sporidicin Disinfectant To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.63	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-0.11	
			<i>For Level 3 Biohazard Cleaning, Add</i>	0.19	
02 87 19 00-0104	SF		Apply Goldshield® G55 Anti-microbial Agent To Ductwork And Surfaces After Cleaning For Bio-Hazard And Infectious Disease Control Cleaning.....	0.72	
			<i>For Level 1 Biohazard Cleaning, Deduct</i>	-0.11	
			<i>For Level 3 Biohazard Cleaning, Add</i>	0.19	

**02 87 19 00-0105 Bio-Hazard And Infectious Disease Control Equipment Rental (02 87 19)**

Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.

02 87 19 00-0106	DAY		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	113.60	
02 87 19 00-0107	WK		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	483.86	
02 87 19 00-0108	MO		Up To 5,000 CFM Portable Air Scrubber For Bio-Hazard And Infectious Disease Control Clean-up .....	1,354.82	
02 87 19 00-0109	DAY		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....	159.25	
02 87 19 00-0110	WK		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....	437.93	
02 87 19 00-0111	MO		Industrial High Efficiency Particulate Air (HEPA) Vacuum For Bio-Hazard And Infectious Disease Control Clean-up .....	1,194.37	
02 87 19 00-0112	DAY		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	46.84	
02 87 19 00-0113	WK		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	128.80	
02 87 19 00-0114	MO		Zip Wall Poles (Per 2 Poles) For Bio-Hazard And Infectious Disease Control Clean-up .....	351.28	
02 87 19 00-0115	DAY		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	104.34	
02 87 19 00-0116	WK		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	428.56	
02 87 19 00-0117	MO		Up To 2,000 CFM Portable Negative Air Machine With Pre-Filter And High Efficiency Particulate Air (HEPA) Filter For Bio-Hazard And Infectious Disease Control Clean-up.....	1,294.99	
02 87 19 00-0118	EA		High Efficiency Particulate Air (HEPA) Filter, 99.99% Efficient At 0.3 Micron For Negative Air Machine For Bio-Hazard And Infectious Disease Control Clean-up .....	138.85	
			Note: Required if over 800 hours operation.		
02 87 19 00-0119	DAY		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	444.15	
02 87 19 00-0120	WK		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	888.30	
02 87 19 00-0121	MO		20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,776.60	
02 87 19 00-0122	DAY		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	592.20	
02 87 19 00-0123	WK		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,184.40	
02 87 19 00-0124	MO		20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,368.80	
02 87 19 00-0125	DAY		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	999.92	
02 87 19 00-0126	WK		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,999.84	
02 87 19 00-0127	MO		20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,999.69	
02 87 19 00-0128	DAY		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,333.23	
02 87 19 00-0129	WK		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,666.46	
02 87 19 00-0130	MO		20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	5,332.92	
02 87 19 00-0131	DAY		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,666.54	
02 87 19 00-0132	WK		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	3,333.07	
02 87 19 00-0133	MO		20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	6,666.14	
02 87 19 00-0134	EA		Set-Up 20' x 20' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	131.98	
			Note: Includes staking down tent.		
02 87 19 00-0135	EA		Set-Up 20' x 40' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	263.95	
			Note: Includes staking down tent.		
02 87 19 00-0136	EA		Set-Up 20' x 60' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	791.85	
			Note: Includes staking down tent.		
02 87 19 00-0137	EA		Set-Up 20' x 80' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	1,583.70	
			Note: Includes staking down tent.		
02 87 19 00-0138	EA		Set-Up 20' x 100' High Peak Frame Tent For Bio-Hazard And Infectious Disease Control Clean-up.....	2,639.51	
			Note: Includes staking down tent.		
02 87 19 00-0139	DAY		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	97.12	
02 87 19 00-0140	WK		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	267.08	
02 87 19 00-0141	MO		Portable Dual Sink Wash Station For Bio-Hazard And Infectious Disease Control Clean-up.....	728.41	

**02 87 19 00-0142 Bio-Hazard And Infectious Disease Control Hauling By Truck (02 87 19)**

Note: Includes driver and equipment, ten (10) to fifteen (15) minutes load time, time for travel, dump time and return (roundtrip). The task quantity is the number of miles to the disposal site/transfer station (one-way mileage) using an appropriately sized truck.

**02 Existing Conditions****02 80 Facility Remediation****02 87 Bio-Hazard Material Remediation**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
02 87 19 00-0143	EA	Hauling With 2-3 CY Pick-up Truck, Van Or Trailer, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....		136.95	
		Note: Each first 15 miles per trip			
		For Each Additional Mile Over First 15 Miles, Add Per Mile		1.71	
02 87 19 00-0144	EA	Hauling With 6 To 8 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Control Clean Up.....		193.08	
		Note: Each first 15 miles per trip			
		For Each Additional Mile Over First 15 Miles, Add Per Mile		2.41	
02 87 19 00-0145	EA	Hauling With 10 To 12 CY Dump Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....		201.31	
		Note: Each first 15 miles per trip			
		For Each Additional Mile Over First 15 Miles, Add Per Mile		2.52	
02 87 19 00-0146	EA	Hauling With 16' To 20', Box Or Flat Bed Truck, Up To 15 Miles For Bio-Hazard And Infectious Disease Control Clean Up.....		207.01	
		Note: Each first 15 miles per trip			
		For Each Additional Mile Over First 15 Miles, Add Per Mile		2.59	
<b>02 87 19 00-0147</b>		<b>Bio-Hazard And Infectious Disease Control Disposal</b> <small>(02 87 19)</small>			
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.			
02 87 19 00-0148	CY	Bio-Hazard And Infectious Disease Control Landfill Dump Fee.....		89.57	
<b>02 87 19 00-0149</b>		<b>BLU-MED Response Systems® (BLU-MED) Deployable Medical Facilities™ and Emergency Shelters</b> <small>(02 87 19)</small>			
		Note: Includes delivery and set-up of facility, electrical, lighting and HVAC. Excludes medical equipment.			
02 87 19 00-0150	EA	20' x 32.5' Medical Shelter with 1-phase electrical, 60 Hertz (BLU-MED BM-2032.5-MS/1P).....		46,308.84	
02 87 19 00-0151	EA	7' x 8' Entry Vestibule (BLU-MED BM-MS-VEST).....		4,451.83	
02 87 19 00-0152	EA	Vestibule End Panel with Bump Thru Door (BLU-MED BM-7x8-VEP04).....		7,365.98	
02 87 19 00-0153	SF	Sub Flooring For Medical Shelter (AKS-AB846).....		6.89	
02 87 19 00-0154	EA	Upgrade To Large Roto-Mold Container, Blue (AK-ULC-5).....		2,021.80	
02 87 19 00-0155	EA	Environmental Control Unit-5 Ton, 60 Hertz, Blue (AK-ECU-5T-5).....		33,114.66	
02 87 19 00-0156	EA	3' ECU to Generator Pigtail, 60 Hertz (AKS-AC915).....		1,154.24	
02 87 19 00-0157	EA	Negative Pressure Isolation (NPI) System (AK-NPIS-5).....		52,121.93	
		Note: Including: (1) Germicidal/high efficiency particulate air (HEPA) Filter Unit; (1) Monitor/Alarm with Motorized Damper; (1) Isolation Partition for 20'-Wide Shelter; (1) NPI Accessories Case			
02 87 19 00-0158	EA	6' Step Ladder (AKS-AC595).....		314.86	
02 87 19 00-0159	EA	10 Lbs Sledgehammer (AKS-AA268).....		95.10	
<b>02 87 19 00-0160</b>		<b>Bio-Hazard And Infectious Disease Time And Material Tasks</b> <small>(02 87 19)</small>			
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.			
<b>02 87 19 00-0161</b>		<b>Bio-Hazard And Infectious Disease Control Labor</b> <small>(02 87 19 00-0160)</small>			
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.			
02 87 19 00-0162	HR	General Laborer For Bio-Hazard And Infectious Disease Control Clean Up.....		146.78	
02 87 19 00-0163	HR	Skilled Tradesman For Bio-Hazard And Infectious Disease Control Clean Up.....		161.88	
02 87 19 00-0164	HR	Biohazard Technician For Bio-Hazard And Infectious Disease Control Clean Up.....		102.85	
02 87 19 00-0165	HR	Biohazard Supervisor For Bio-Hazard And Infectious Disease Control Clean Up.....		123.67	
02 87 19 00-0166	HR	Project Manager For Bio-Hazard And Infectious Disease Control Clean Up.....		136.00	
<b>02 87 19 00-0167</b>		<b>Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment</b> <small>(02 87 19 00-0160)</small>			
		Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections.			
02 87 19 00-0168	EA	Tyvek Coveralls For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		15.51	
02 87 19 00-0169	EA	Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		24.14	
02 87 19 00-0170	PR	Polycarbonate Lens Safety Goggles For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		15.65	
02 87 19 00-0171	EA	Dual Cartridge Half-Mask Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		128.34	
02 87 19 00-0172	EA	Cartridge - Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		54.17	
02 87 19 00-0173	EA	Full Face Respirator For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		391.56	
		Note: Respirator Connection Type: Bayonet, 4 pt. Full Face Suspension			
02 87 19 00-0174	EA	14-1/2" Width x 9" Height Polycarbonate Visor Faceshield For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		53.53	
		Note: Includes basic impact ratchet headgear and faceshield safety system. ANSI Z87.1-2010			
02 87 19 00-0175	EA	19" Width x 11" Height Polycarbonate Visor Attachment To Hardhat For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		97.24	
		Note: Includes clear polycarbonate crown and chin guard system for hardhat. The chin guard extends below the chin, the shield extends passed the ear, and the crown extends over the forehead to the front of the hardhat. ANSI Z87.1-2015. Excludes hardhat.			
02 87 19 00-0176	BOX	Box of 100, 5 Mil, Disposable Latex Gloves For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		28.10	
02 87 19 00-0177	EA	Gloves - Rubber (Heavy Duty) For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		24.00	
02 87 19 00-0178	EA	Belt-Mounted, Universal Mask, Powered Air Purifying Respirator (PAPR) System Kit For Bio-Hazard And Infectious Control Clean Up Personal Protection Equipment.....		2,617.30	
		Note: Kit includes NIOSH Approved with Draeger DHR 7000, C420 Blower, Single-Speed Toggle, Battery - LiSO2 (BA5800/U), C420 Breathing Tube Assembly with 75 Degrees Swivel, Decon Belt Assembly 70" x 2", C420 Airflow Indicator (Afi), Microneil Safety M95 Cartridge (2), Molded Case, Black, CBRN Breathing Tube Assembly			

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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02 87 19 00-0179	<b>Bio-Hazard And Infectious Disease Control Expendables</b> <small>(02 87 19 00-0160)</small> Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Bio-Hazard And Infectious Control Clean Up sections. See CSI section 01 56 16 00-0001 for temporary sheeting, 01 56 16 00-0023 for temporary walls.		
02 87 19 00-0180	GAL Bleach For Bio-Hazard And Infectious Disease Control Clean-up .....	12.09	
02 87 19 00-0181	EA N95 Masks For Bio-Hazard And Infectious Disease Control Clean-up .....	4.30	
02 87 19 00-0182	GAL Disinfectant/Anti-microbial For Bio-Hazard And Infectious Disease Control Clean Up .....	118.45	
02 87 19 00-0183	GAL Goldshield® GS5 Anti-microbial Concentrate For Bio-Hazard And Infectious Disease Control Clean-up .....	356.64	
	Note: Mix 1 gallon in 5 gallons of water to produce 6 gallons of ready-to-use product. Use on any surface for bacterial inhibition up to 30 days		
02 87 19 00-0184	QT Hand Sanitizer For Bio-Hazard And Infectious Disease Control Clean-up .....	11.95	
02 87 19 00-0185	EA Sponges - Dry For Bio-Hazard And Infectious Disease Control Clean-up .....	6.14	
02 87 19 00-0186	ROL Tape - Duct, 2" x 50 YD For Bio-Hazard And Infectious Disease Control Clean-up .....	15.42	
02 87 19 00-0187	EA UV Mini Light, Handheld For Bio-Hazard And Infectious Disease Control Clean-up .....	77.92	
02 87 19 00-0188	ROL Visqueen 1 Mil, 12' x 400', For Bio-Hazard And Infectious Disease Control Clean-up .....	62.14	
02 87 19 00-0189	LB Wipes, Terry Cloth 14" x 17" For Bio-Hazard And Infectious Disease Control Clean-up .....	8.71	
02 87 19 00-0190	EA Wyp-Alls, Case, 160 Wipes For Bio-Hazard And Infectious Disease Control Clean-up .....	19.19	
02 87 19 00-0191	ROL 6 Mil, 55 Gallon Trash Bags, 50/Roll For Bio-Hazard And Infectious Disease Control Clean Up .....	191.28	

**02 89 Hazmat Ancillary Tasks and Support** (02 89)

02 89 00 00-0001	<b>Barriers And Protection</b> <small>(02 89)</small> Note: Includes removal and disposal after use.		
02 89 00 00-0002	<b>Isolation Barriers</b> <small>(02 89 00 00-0001)</small> See CSI section 01 56 16 00-0023 for temporary stud walls.		
02 89 00 00-0003	<b>Type C Supplied Air System</b> <small>(02 89 00 00-0001)</small> Note: Includes mobilization, setup, maintenance and removal of equipment. For owner / site inspection use.		
02 89 00 00-0004	EA Type C Supplied Air System .....	892.34	

02 89 00 00-0005	<b>Hazmat Containment Construction Plastic Sheeting</b> <small>(02 89 00 00-0001)</small>		
02 89 00 00-0006	SF 6 Mil Plastic Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.49	
02 89 00 00-0007	SF 6 Mil Plastic Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.64	
02 89 00 00-0008	SF 6 Mil Plastic Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	0.85	
02 89 00 00-0009	SF 6 Mil Plastic Fire Retardant, Anti-static Sheeting, Applied To Floors, Hazmat Containment Construction .....	0.78	
02 89 00 00-0010	SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Walls, Hazmat Containment Construction .....	0.99	
02 89 00 00-0011	SF 6 Mil Plastic Fire Retardant, Anti-static Retardant Sheeting, Applied To Ceilings, Hazmat Containment Construction .....	1.30	

02 89 00 00-0012	<b>Decontamination Chambers</b> <small>(02 89)</small> Note: Includes removal after use.		
02 89 00 00-0013	EA 3 Stage Portable Personnel Decontamination Wash Facility .....	1,079.97	
	Note: Includes connection to negative air system.		
02 89 00 00-0014	EA 5 Stage Portable Personnel Decontamination Wash Facility .....	1,273.96	
	Note: Includes connection to negative air system.		
02 89 00 00-0015	EA Portable Waste Decontamination Unit .....	668.12	
	Note: Includes connection to negative air system.		
	<i>For Dismantling And Relocation To A Different Area, Add</i>	439.63	

**02 90 Disaster Recovery** (02)

Note: The tasks in this division are only to be used when specifically requested by the Owner and are not to be combined with tasks from other divisions of this or other Construction Task Catalogs® unless specifically requested by the Owner.

**02 90 50 Cleaning and Disaster Clean-up** (02 90)

02 90 50 00-0001	<b>Non-Mold Contaminated Wet Material Removal</b> <small>(02 90 50)</small> Note: For materials not requiring mold abatement.		
02 90 50 00-0002	SY Wet Broadloom Carpet Removal For Disaster Clean-up .....	36.20	
02 90 50 00-0003	SY Wet Carpet Tile Removal For Disaster Clean-up .....	8.81	
02 90 50 00-0004	SF Wet Batt Insulation Removal For Disaster Clean-up .....	0.73	
02 90 50 00-0005	SF Wet Ceiling Tile Removal For Disaster Clean-up .....	0.88	
02 90 50 00-0006	SF Single Layer, Wet Gypsum Board Removal For Disaster Clean-up .....	0.86	
02 90 50 00-0007	SF Double Layer, Wet Gypsum Board Removal For Disaster Clean-up .....	1.35	

02 90 50 00-0008	<b>Cleaning</b> <small>(02 90 50)</small> Note: Use "Light Clean" when soot or dust is barely evident. Use "Medium Clean" when paint color can be seen through the soot or dust. Use "Heavy Clean" when paint color cannot be seen. Includes all man power, equipment and expendables required		
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02 90 50 00-0009	<b>Clean Furnishings</b> <small>(02 90 50 00-0008)</small>		
02 90 50 00-0010	EA Office Equipment, Exterior Wipe For Disaster Clean-up .....	29.33	
	<i>For Medium Clean, Add</i>	12.32	
	<i>For Heavy Clean, Add</i>	38.13	
02 90 50 00-0011	SF Bookcase (Per SF Of Face Area), Light Clean For Disaster Clean-up .....	1.63	
	<i>For Medium Clean, Add</i>	0.68	
	<i>For Heavy Clean, Add</i>	2.12	
02 90 50 00-0012	LF Shelving, Light Clean For Disaster Clean-up .....	2.93	
	<i>For Medium Clean, Add</i>	1.23	
	<i>For Heavy Clean, Add</i>	3.81	



**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

02 90 50 00-0013	EA	Plastic Or Metal Chair, Light Clean For Disaster Clean-up	8.47
		<i>For Medium Clean, Add</i>	3.56
		<i>For Heavy Clean, Add</i>	11.01
02 90 50 00-0014	EA	Upholstered Chair, Light Clean For Disaster Clean-up	27.37
		<i>For Medium Clean, Add</i>	11.50
		<i>For Heavy Clean, Add</i>	35.58
02 90 50 00-0015	EA	Upholstered Sofa, Light Clean For Disaster Clean-up	168.82
		<i>For Medium Clean, Add</i>	70.90
		<i>For Heavy Clean, Add</i>	219.47
02 90 50 00-0016	EA	Desk, Light Clean For Disaster Clean-up	34.54
		<i>For Medium Clean, Add</i>	14.51
		<i>For Heavy Clean, Add</i>	44.90
02 90 50 00-0017	EA	Table, Light Clean For Disaster Clean-up	32.59
		<i>For Medium Clean, Add</i>	13.69
		<i>For Heavy Clean, Add</i>	42.37
02 90 50 00-0018	EA	Two Drawer File Cabinet, Light Clean For Disaster Clean-up	7.15
		<i>For Medium Clean, Add</i>	3.00
		<i>For Heavy Clean, Add</i>	9.30
02 90 50 00-0019	EA	Four Drawer File Cabinet, Light Clean For Disaster Clean-up	9.15
		<i>For Medium Clean, Add</i>	3.84
		<i>For Heavy Clean, Add</i>	11.90
02 90 50 00-0020	LF	Base Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.50
		<i>For Medium Clean, Add</i>	3.15
		<i>For Heavy Clean, Add</i>	9.75
02 90 50 00-0021	LF	Base Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	14.66
		<i>For Medium Clean, Add</i>	6.16
		<i>For Heavy Clean, Add</i>	19.06
02 90 50 00-0022	LF	Wall Cabinet, Exterior Wipe, Light Clean For Disaster Clean-up	7.50
		<i>For Medium Clean, Add</i>	3.15
		<i>For Heavy Clean, Add</i>	9.75
02 90 50 00-0023	LF	Wall Cabinet, Exterior And Interior Wipe, Light Clean For Disaster Clean-up	13.04
		<i>For Medium Clean, Add</i>	5.48
		<i>For Heavy Clean, Add</i>	16.95
02 90 50 00-0024	EA	Picture Frame, Glass And Back, Light Clean For Disaster Clean-up	3.13
		<i>For Medium Clean, Add</i>	1.31
		<i>For Heavy Clean, Add</i>	4.07

**02 90 50 00-0025 Clean Hard Surfaces (02 90 50 00-0008)**

02 90 50 00-0026	LF	Wood, Vinyl Or Rubber Baseboard, Light Clean For Disaster Clean-up	0.43
		<i>For Medium Clean, Add</i>	0.18
		<i>For Heavy Clean, Add</i>	0.56
02 90 50 00-0027	EA	Door And Hardware (Per Side), Light Clean For Disaster Clean-up	5.54
		<i>For Medium Clean, Add</i>	2.33
		<i>For Heavy Clean, Add</i>	7.20
02 90 50 00-0028	EA	Detailed Door And Hardware (Per Side), Light Clean For Disaster Clean-up	6.29
		<i>For Medium Clean, Add</i>	2.64
		<i>For Heavy Clean, Add</i>	8.18
02 90 50 00-0029	SF	Overhead Door, Light Clean For Disaster Clean-up	0.44
		<i>For Medium Clean, Add</i>	0.18
		<i>For Heavy Clean, Add</i>	0.57
02 90 50 00-0030	SF	Mirror, Light Clean For Disaster Clean-up	0.33
		<i>For Medium Clean, Add</i>	0.14
		<i>For Heavy Clean, Add</i>	0.43
02 90 50 00-0031	SF	Window, Light Clean For Disaster Clean-up	0.96
		<i>For Medium Clean, Add</i>	0.40
		<i>For Heavy Clean, Add</i>	1.25
02 90 50 00-0032	LF	Handrail, Light Clean For Disaster Clean-up	0.85
		<i>For Medium Clean, Add</i>	0.36
		<i>For Heavy Clean, Add</i>	1.11
02 90 50 00-0033	LF	Bumper Rail, Light Clean For Disaster Clean-up	0.45
		<i>For Medium Clean, Add</i>	0.19
		<i>For Heavy Clean, Add</i>	0.59
02 90 50 00-0034	SF	Hard Floor, Light Clean For Disaster Clean-up	0.37
		<i>For Medium Clean, Add</i>	0.16
		<i>For Heavy Clean, Add</i>	0.48
02 90 50 00-0035	SF	Carpet, Light Clean For Disaster Clean-up	0.40
		<i>For Medium Clean, Add</i>	0.17
		<i>For Heavy Clean, Add</i>	0.52
02 90 50 00-0036	SF	Hard Ceiling, Light Clean For Disaster Clean-up	0.30
		<i>For Medium Clean, Add</i>	0.13
		<i>For Heavy Clean, Add</i>	0.39
02 90 50 00-0037	SF	Suspended Ceiling, Tile And Grid, Light Clean For Disaster Clean-up	0.33
		<i>For Medium Clean, Add</i>	0.14
		<i>For Heavy Clean, Add</i>	0.43
02 90 50 00-0038	SF	Ceramic Tile Wall, Light Clean For Disaster Clean-up	0.27
		<i>For Medium Clean, Add</i>	0.11
		<i>For Heavy Clean, Add</i>	0.35
02 90 50 00-0039	SF	Wall, Light Clean For Disaster Clean-up	0.19
		<i>For Medium Clean, Add</i>	0.08
		<i>For Heavy Clean, Add</i>	0.25
02 90 50 00-0040	SF	Masonry Wall, Light Clean For Disaster Clean-up	0.27
		<i>For Medium Clean, Add</i>	0.11
		<i>For Heavy Clean, Add</i>	0.35
02 90 50 00-0041	EA	Up To 24 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up	68.73
		Note: Includes removal from site, cleaning, and return.	
		<i>For Medium Clean, Add</i>	28.87
		<i>For Heavy Clean, Add</i>	89.35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0042	EA		>24 To 96 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up..... Note: Includes removal from site, cleaning, and return.	85.92	
			<i>For Medium Clean, Add</i>	36.09	
			<i>For Heavy Clean, Add</i>	111.70	
02 90 50 00-0043	EA		>96 To 140 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up..... Note: Includes removal from site, cleaning, and return.	103.10	
			<i>For Medium Clean, Add</i>	43.30	
			<i>For Heavy Clean, Add</i>	134.03	
02 90 50 00-0044	EA		>140 To 216 SF Area Rug, Off-Site Cleaning, Light Clean For Disaster Clean-up.....	120.29	
			<i>For Medium Clean, Add</i>	50.52	
			<i>For Heavy Clean, Add</i>	156.38	
<b>02 90 50 00-0045 Clean Window Treatments (02 90 50 00-0008)</b>					
02 90 50 00-0046	SF		Window Blind, Light Clean For Disaster Clean-up.....	0.75	
			<i>For Medium Clean, Add</i>	0.32	
			<i>For Heavy Clean, Add</i>	0.98	
02 90 50 00-0047	EA		Up To 6' Long Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.53	
			<i>For Medium Clean, Add</i>	0.64	
			<i>For Heavy Clean, Add</i>	1.99	
02 90 50 00-0048	EA		Up To 6' Long Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.75	
			<i>For Medium Clean, Add</i>	0.74	
			<i>For Heavy Clean, Add</i>	2.28	
02 90 50 00-0049	EA		>6' To 8' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.61	
			<i>For Medium Clean, Add</i>	0.68	
			<i>For Heavy Clean, Add</i>	2.09	
02 90 50 00-0050	EA		>6' To 8' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.84	
			<i>For Medium Clean, Add</i>	0.77	
			<i>For Heavy Clean, Add</i>	2.39	
02 90 50 00-0051	EA		>8' To 10' Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	1.97	
			<i>For Medium Clean, Add</i>	0.83	
			<i>For Heavy Clean, Add</i>	2.56	
02 90 50 00-0052	EA		>8' To 10' Lined Drapery (Per Pleat), Light Clean For Disaster Clean-up.....	2.26	
			<i>For Medium Clean, Add</i>	0.95	
			<i>For Heavy Clean, Add</i>	2.94	
<b>02 90 50 00-0053 Clean Appliances (02 90 50 00-0008)</b>					
02 90 50 00-0054	EA		Microwave Oven, Outside, Light Clean For Disaster Clean-up.....	13.50	
			<i>For Medium Clean, Add</i>	5.67	
			<i>For Heavy Clean, Add</i>	17.55	
02 90 50 00-0055	EA		Refrigerator, Outside, Light Clean For Disaster Clean-up.....	31.82	
			<i>For Medium Clean, Add</i>	13.36	
			<i>For Heavy Clean, Add</i>	41.37	
02 90 50 00-0056	EA		Range, Outside, Light Clean For Disaster Clean-up.....	27.50	
			<i>For Medium Clean, Add</i>	11.55	
			<i>For Heavy Clean, Add</i>	35.75	
<b>02 90 50 00-0057 Clean Plumbing (02 90 50 00-0008)</b>					
02 90 50 00-0058	EA		Water Heater, Light Clean For Disaster Clean-up.....	19.55	
			<i>For Medium Clean, Add</i>	8.21	
			<i>For Heavy Clean, Add</i>	25.42	
02 90 50 00-0059	EA		Plumbing Fixture, Light Clean For Disaster Clean-up.....	19.75	
			<i>For Medium Clean, Add</i>	8.30	
			<i>For Heavy Clean, Add</i>	25.68	
02 90 50 00-0060	EA		Restroom Accessory, Light Clean For Disaster Clean-up.....	9.06	
			<i>For Medium Clean, Add</i>	3.81	
			<i>For Heavy Clean, Add</i>	11.78	
<b>02 90 50 00-0061 Clean HVAC (02 90 50 00-0008)</b>					
02 90 50 00-0062	LF		Baseboard Heater, Light Clean For Disaster Clean-up.....	5.84	
			<i>For Medium Clean, Add</i>	2.45	
			<i>For Heavy Clean, Add</i>	7.59	
02 90 50 00-0063	LF		Ductwork, Exterior Wipe, Light Clean For Disaster Clean-up.....	16.29	
			<i>For Medium Clean, Add</i>	6.84	
			<i>For Heavy Clean, Add</i>	21.18	
02 90 50 00-0064	EA		Ductwork, Interior (Per Grille/Register), Light Clean For Disaster Clean-up.....	62.57	
			<i>For Medium Clean, Add</i>	26.28	
			<i>For Heavy Clean, Add</i>	81.34	
02 90 50 00-0065	EA		Grille/Register, Light Clean For Disaster Clean-up.....	5.87	
			<i>For Medium Clean, Add</i>	2.47	
			<i>For Heavy Clean, Add</i>	7.63	
02 90 50 00-0066	EA		Air Handling Unit, Exterior Wipe, Light Clean For Disaster Clean-up.....	40.62	
			<i>For Medium Clean, Add</i>	17.06	
			<i>For Heavy Clean, Add</i>	52.81	
02 90 50 00-0067	EA		Furnace, Exterior Wipe, Light Clean For Disaster Clean-up.....	36.17	
			<i>For Medium Clean, Add</i>	15.19	
			<i>For Heavy Clean, Add</i>	47.02	
<b>02 90 50 00-0068 Clean Electrical (02 90 50 00-0008)</b>					
02 90 50 00-0069	EA		Electric Fan, Light Clean For Disaster Clean-up.....	24.12	
			<i>For Medium Clean, Add</i>	10.13	
			<i>For Heavy Clean, Add</i>	31.36	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 50 Cleaning and Disaster Clean-up**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 50 00-0070	EA		Ceiling Fan, Light Clean For Disaster Clean-up.....	26.07	
			<i>For Medium Clean, Add</i>	10.95	
			<i>For Heavy Clean, Add</i>	33.89	
02 90 50 00-0071	EA		Ceiling Fan And Light, Light Clean For Disaster Clean-up.....	33.90	
			<i>For Medium Clean, Add</i>	14.24	
			<i>For Heavy Clean, Add</i>	44.07	
02 90 50 00-0072	EA		Ceiling Exhaust Fan, Light Clean For Disaster Clean-up.....	23.79	
			<i>For Medium Clean, Add</i>	9.99	
			<i>For Heavy Clean, Add</i>	30.93	
02 90 50 00-0073	EA		2' x 4' Light Fixture, Light Clean For Disaster Clean-up.....	15.65	
			<i>For Medium Clean, Add</i>	6.57	
			<i>For Heavy Clean, Add</i>	20.35	
02 90 50 00-0074	EA		Light Fixture, Light Clean For Disaster Clean-up.....	7.17	
			<i>For Medium Clean, Add</i>	3.01	
			<i>For Heavy Clean, Add</i>	9.32	
02 90 50 00-0075	EA		Smoke Detector, Light Clean For Disaster Clean-up.....	5.54	
			<i>For Medium Clean, Add</i>	2.33	
			<i>For Heavy Clean, Add</i>	7.20	
02 90 50 00-0076	EA		Thermostat, Light Clean For Disaster Clean-up.....	1.96	
			<i>For Medium Clean, Add</i>	0.82	
			<i>For Heavy Clean, Add</i>	2.55	
<b>02 90 50 00-0077</b>			<b>Thermal Fog (02 90 50 00-0008)</b>		
02 90 50 00-0078	CF		Clean And Deodorize Building With Thermal Fog For Disaster Clean-up.....	0.02	
<b>02 90 50 00-0079</b>			<b>Contents Manipulation (02 90 50)</b>		
02 90 50 00-0080	SF		Cover Contents With 6 Mil Plastic Sheeting For Disaster Clean-up.....	0.26	
02 90 50 00-0081	SF		Floor Protection, Adhesive Film For Disaster Clean-up.....	0.31	
02 90 50 00-0082	SF		Move Contents Out And Later Reset For Disaster Clean-up.....	0.52	
02 90 50 00-0083	MO		20' Long Job Site Storage Trailer For Disaster Clean-up.....	197.12	
02 90 50 00-0084	MO		40' Long Job Site Storage Trailer For Disaster Clean-up.....	261.41	
02 90 50 00-0085	EA		Delivery Or Pickup Job Site Storage Trailer For Disaster Clean-up.....	151.60	
<b>02 90 50 00-0086</b>			<b>Board Up And Tarp Up (02 90 50)</b>		
02 90 50 00-0087	SF		Polyethylene Tarp On Roof For Disaster Clean-up.....	0.28	
02 90 50 00-0088	SF		1/2" Temporary Plywood On Roof For Disaster Clean-up.....	1.69	
02 90 50 00-0089	SF		5/8" Temporary Plywood On Roof For Disaster Clean-up.....	1.86	
02 90 50 00-0090	SF		3/4" Temporary Plywood On Roof For Disaster Clean-up.....	2.03	
02 90 50 00-0091	SF		1/2" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.08	
02 90 50 00-0092	SF		5/8" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.25	
02 90 50 00-0093	SF		3/4" Temporary Plywood On Wall Or Windows For Disaster Clean-up.....	2.42	
<b>02 90 50 00-0094</b>			<b>Minimum Charges (02 90 50)</b>		
02 90 50 00-0095	EA		Disaster Cleaning Minimum Charge.....	1,434.69	
02 90 50 00-0096	EA		Disaster Water Extraction Minimum Charge.....	297.49	
02 90 50 00-0097	EA		Disaster Carpet Cleaning Minimum Charge.....	253.80	
<b>02 90 55 Emergency Clean-up (02 90)</b>					
<b>02 90 55 00-0001</b>			<b>Emergency Clean-up (02 90 55)</b>		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
<b>02 90 55 00-0002</b>			<b>Emergency Clean-up Labor (02 90 55 00-0001)</b>		
			Note: Used in the performance of time and material projects. Labor costs are based on workers familiar with and skilled in the performance of the task following restoration requirements. Not to be used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
02 90 55 00-0003	HR		Skilled Tradesman For Emergency Clean Up.....	61.68	
02 90 55 00-0004	HR		Restoration / Document Laborer For Emergency Clean Up.....	43.18	
			<i>For 1.5 Time, Add</i>	21.59	
			<i>For 2.0 Time, Add</i>	43.18	
02 90 55 00-0005	HR		Restoration / Document Supervisor For Emergency Clean Up.....	59.37	
			<i>For 1.5 Time, Add</i>	29.69	
			<i>For 2.0 Time, Add</i>	59.37	
02 90 55 00-0006	HR		Restoration / Document Project Manager For Emergency Clean Up.....	97.15	
			<i>For 1.5 Time, Add</i>	48.58	
			<i>For 2.0 Time, Add</i>	97.15	
02 90 55 00-0007	HR		Assistant Project Manager For Emergency Clean Up.....	80.96	
02 90 55 00-0008	HR		Senior Project Manager For Emergency Clean Up.....	113.34	
02 90 55 00-0009	HR		Project Director / Document Consultant / Account Manager For Emergency Clean Up.....	161.91	
02 90 55 00-0010	HR		Equipment Technician For Emergency Clean Up.....	118.73	
02 90 55 00-0011	HR		Mold Remediation Laborer For Emergency Clean Up.....	59.11	
02 90 55 00-0012	HR		Mold Remediation Supervisor For Emergency Clean Up.....	80.96	
02 90 55 00-0013	HR		Administrative Personnel For Emergency Clean Up.....	37.78	
02 90 55 00-0014	HR		Project Accountant For Emergency Clean Up.....	61.68	
02 90 55 00-0015	HR		Biohazard Technician For Emergency Clean Up.....	85.71	
02 90 55 00-0016	HR		Biohazard Supervisor For Emergency Clean Up.....	103.06	
02 90 55 00-0017	HR		Health And Safety Officer For Emergency Clean Up.....	92.52	
			<i>For 1.5 Time, Add</i>	46.26	
			<i>For 2.0 Time, Add</i>	92.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0018	HR		Resource And Logistics Coordinator For Emergency Clean Up .....	66.82	
			For 1.5 Time, Add	33.41	
			For 2.0 Time, Add	66.82	
02 90 55 00-0019	HR		Loss Control Specialist For Emergency Clean Up .....	64.76	
02 90 55 00-0020	HR		Moisture Control Specialist For Emergency Clean Up .....	53.46	
02 90 55 00-0021	HR		Mobilization Support For Emergency Clean Up .....	32.90	
<b>02 90 55 00-0022</b>			<b>Emergency Clean-up Equipment</b> (02 90 55 00-0001)		
			Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.		
<b>02 90 55 00-0023</b>			<b>General Emergency Clean-up Equipment</b> (02 90 55 00-0022)		
02 90 55 00-0024	DAY		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up .....	113.60	
02 90 55 00-0025	WK		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up .....	433.37	
02 90 55 00-0026	MO		265 CFM Portable Ozone Machine, 12,000 MG/HR For Emergency Clean-up .....	1,186.52	
02 90 55 00-0027	DAY		13" Floor Buffer Rental For Emergency Clean-up .....	56.21	
02 90 55 00-0028	WK		13" Floor Buffer Rental For Emergency Clean-up .....	150.16	
02 90 55 00-0029	MO		13" Floor Buffer Rental For Emergency Clean-up .....	414.54	
02 90 55 00-0030	DAY		17" Floor Buffer Rental For Emergency Clean-up .....	103.64	
02 90 55 00-0031	WK		17" Floor Buffer Rental For Emergency Clean-up .....	264.38	
02 90 55 00-0032	MO		17" Floor Buffer Rental For Emergency Clean-up .....	623.92	
02 90 55 00-0033	DAY		Walk Behind Floor Scrubber Rental For Emergency Clean-up .....	571.05	
02 90 55 00-0034	WK		Walk Behind Floor Scrubber Rental For Emergency Clean-up .....	1,533.38	
02 90 55 00-0035	MO		Walk Behind Floor Scrubber Rental For Emergency Clean-up .....	4,272.30	
02 90 55 00-0036	DAY		Ride-On Floor Scrubber Rental For Emergency Clean-up .....	1,290.15	
02 90 55 00-0037	WK		Ride-On Floor Scrubber Rental For Emergency Clean-up .....	3,405.15	
02 90 55 00-0038	MO		Ride-On Floor Scrubber Rental For Emergency Clean-up .....	9,179.10	
02 90 55 00-0039	DAY		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	93.06	
02 90 55 00-0040	WK		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	264.38	
02 90 55 00-0041	MO		4 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	909.45	
02 90 55 00-0042	DAY		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	86.72	
02 90 55 00-0043	WK		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	232.65	
02 90 55 00-0044	MO		8 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	602.78	
02 90 55 00-0045	DAY		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	138.74	
02 90 55 00-0046	WK		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	395.93	
02 90 55 00-0047	MO		17 to 30 Gallon, Commercial Carpet Extractor Rental For Emergency Clean-up .....	1,106.57	
02 90 55 00-0048	DAY		Truck Mounted Extractor Rental For Emergency Clean-up .....	985.59	
02 90 55 00-0049	WK		Truck Mounted Extractor Rental For Emergency Clean-up .....	2,956.78	
02 90 55 00-0050	MO		Truck Mounted Extractor Rental For Emergency Clean-up .....	8,870.35	
02 90 55 00-0051	DAY		16" Chain Saw Rental For Emergency Clean-up .....	101.52	
02 90 55 00-0052	WK		16" Chain Saw Rental For Emergency Clean-up .....	228.42	
02 90 55 00-0053	MO		16" Chain Saw Rental For Emergency Clean-up .....	609.12	
02 90 55 00-0054	DAY		20" Chain Saw Rental For Emergency Clean-up .....	126.90	
02 90 55 00-0055	WK		20" Chain Saw Rental For Emergency Clean-up .....	285.52	
02 90 55 00-0056	MO		20" Chain Saw Rental For Emergency Clean-up .....	761.40	
02 90 55 00-0057	EA		Cleaning Kit With Mop, Broom And Bucket For Emergency Clean-up .....	95.18	
02 90 55 00-0058	DAY		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up .....	135.36	
02 90 55 00-0059	WK		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up .....	370.12	
02 90 55 00-0060	MO		14" To 16" Electric Cut Off Saw Rental For Emergency Clean-up .....	1,036.35	
02 90 55 00-0061	DAY		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up .....	164.97	
02 90 55 00-0062	WK		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up .....	560.48	
02 90 55 00-0063	MO		12" To 14" Gasoline Cut Off Saw Rental For Emergency Clean-up .....	1,068.08	
02 90 55 00-0064	DAY		Wet Or Dry Portable Cleaning Unit For Emergency Clean-up .....	159.25	
02 90 55 00-0065	WK		Wet Or Dry Portable Cleaning Unit For Emergency Clean-up .....	437.93	
02 90 55 00-0066	MO		Wet Or Dry Portable Cleaning Unit For Emergency Clean-up .....	1,194.37	
02 90 55 00-0067	DAY		Extension Cords - 220 Volt For Emergency Clean-up .....	52.88	
02 90 55 00-0068	WK		Extension Cords - 220 Volt Converter Box For Emergency Clean-up .....	31.72	
02 90 55 00-0069	MO		Demolition Cart, 1 Yard For Emergency Clean-up .....	84.60	
02 90 55 00-0070	DAY		Demolition Cart, 1 Yard For Emergency Clean-up .....	232.65	
02 90 55 00-0071	WK		Demolition Cart, 1 Yard For Emergency Clean-up .....	634.50	
02 90 55 00-0072	MO		Demolition Cart, 1-1/2 Yard For Emergency Clean-up .....	105.75	
02 90 55 00-0073	DAY		Demolition Cart, 1-1/2 Yard For Emergency Clean-up .....	290.81	
02 90 55 00-0074	WK		Demolition Cart, 1-1/2 Yard For Emergency Clean-up .....	793.12	
02 90 55 00-0075	MO		Demolition Kit With Wheel Barrow, Shovel And Broom For Emergency Clean-up .....	158.62	
02 90 55 00-0076	DAY		Dry-Ice Blasting System For Emergency Clean-up .....	1,868.44	
02 90 55 00-0077	WK		Fogger - Mist For Emergency Clean-up .....	46.84	
02 90 55 00-0078	MO		Fogger - Mist For Emergency Clean-up .....	128.80	
02 90 55 00-0079	DAY		Fogger - Mist For Emergency Clean-up .....	351.28	
02 90 55 00-0080	WK		Fogger - Electric Thermal For Emergency Clean-up .....	67.45	
02 90 55 00-0081	MO		Fogger - Electric Thermal For Emergency Clean-up .....	185.48	
02 90 55 00-0082	DAY		Fogger - Electric Thermal For Emergency Clean-up .....	505.85	
02 90 55 00-0083	WK		Fogger - Gas Power Thermal For Emergency Clean-up .....	195.08	
02 90 55 00-0084	MO		Fogger - Gas Power Thermal For Emergency Clean-up .....	536.46	
02 90 55 00-0085	DAY		Fogger - Gas Power Thermal For Emergency Clean-up .....	1,463.07	
02 90 55 00-0086	WK		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up .....	223.04	
02 90 55 00-0087	MO		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up .....	613.35	
02 90 55 00-0088	DAY		Gang Box, Demo/Framing (One Time Per Job) For Emergency Clean-up .....	1,672.78	
02 90 55 00-0089	WK		Hand Trucks/Dollies For Emergency Clean-up .....	25.38	
02 90 55 00-0090	MO		Hand Trucks/Dollies For Emergency Clean-up .....	69.80	
02 90 55 00-0091	DAY		Hand Trucks/Dollies For Emergency Clean-up .....	190.35	
02 90 55 00-0092	WK		Heat Gun - Shrink Wrap For Emergency Clean-up .....	143.95	
02 90 55 00-0093	MO		Heat Gun - Shrinkwrap For Emergency Clean-up .....	395.86	
02 90 55 00-0094	DAY		Heat Gun - Shrinkwrap For Emergency Clean-up .....	1,079.61	
02 90 55 00-0095	WK		High Efficiency Particulate Air (HEPA) Negative Air Machine For Emergency Clean-up .....	196.27	

Note: Includes all filters.

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 90 55 00-0096	DAY	Ladder For Emergency Clean-up.....	35.96	
02 90 55 00-0097	DAY	Lights - Demo, Drop, Stand, String For Emergency Clean-up .....	33.72	
02 90 55 00-0098	DAY	Lights - Wobble For Emergency Clean-up .....	41.22	
02 90 55 00-0099	DAY	Moisture Meter For Emergency Clean-up .....	56.21	
02 90 55 00-0100	WK	Moisture Meter For Emergency Clean-up .....	154.56	
02 90 55 00-0101	MO	Moisture Meter For Emergency Clean-up .....	421.54	
02 90 55 00-0102	DAY	Nail Gun For Emergency Clean-up .....	95.18	
02 90 55 00-0103	WK	Nail Gun For Emergency Clean-up .....	261.73	
02 90 55 00-0104	MO	Nail Gun For Emergency Clean-up .....	713.81	
02 90 55 00-0105	DAY	Ozone Generator For Emergency Clean-up .....	234.19	
02 90 55 00-0106	DAY	PPE (Personal Protective Equipment) Mold Remediation Related For Emergency Clean-up .....	126.90	
02 90 55 00-0107	DAY	Portable Generator, Up To 7,500 Watt For Emergency Clean-up .....	187.35	
02 90 55 00-0108	DAY	Pressure Washer, Hot For Emergency Clean-up.....	281.03	
02 90 55 00-0109	DAY	Pressure Washer, Cold For Emergency Clean-up .....	187.35	
02 90 55 00-0110	DAY	Scaffolding - Per Section For Emergency Clean-up .....	137.48	
02 90 55 00-0111	DAY	Small Tools - Tool Box For Emergency Clean-up .....	52.88	
02 90 55 00-0112	DAY	Soda Blasting Equipment For Emergency Clean-up.....	1,854.04	
02 90 55 00-0113	DAY	Sprayer - Hudson For Emergency Clean-up .....	16.92	
02 90 55 00-0114	WK	Sprayer - Hudson For Emergency Clean-up .....	46.53	
02 90 55 00-0115	MO	Sprayer - Hudson For Emergency Clean-up .....	126.90	
02 90 55 00-0116	DAY	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up .....	114.29	
02 90 55 00-0117	WK	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up .....	336.28	
02 90 55 00-0118	MO	0.47 GPM, Airless Paint Sprayer For Emergency Clean-up .....	1,151.03	
02 90 55 00-0119	DAY	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up .....	225.37	
02 90 55 00-0120	WK	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up .....	531.25	
02 90 55 00-0121	MO	0.60 GPM, Airless Paint Sprayer For Emergency Clean-up .....	1,481.05	
02 90 55 00-0122	DAY	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up .....	241.47	
02 90 55 00-0123	WK	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up .....	603.68	
02 90 55 00-0124	MO	0.80 GPM, Airless Paint Sprayer For Emergency Clean-up .....	1,625.93	
02 90 55 00-0125	DAY	Storage Space (Per SF Per Day) For Emergency Clean-up.....	4.64	
02 90 55 00-0126	DAY	Submersible Pump For Emergency Clean-up.....	46.84	
02 90 55 00-0127	DAY	Trash Pump - 2" Gas Powered For Emergency Clean-up .....	266.78	
02 90 55 00-0128	DAY	Vehicle, Pick-up, SUV, Car For Emergency Clean-up .....	132.43	
02 90 55 00-0129	DAY	Vehicle, Van For Emergency Clean-up.....	215.92	
02 90 55 00-0130	DAY	16' Or 24' Box Truck Vehicle For Emergency Clean-up.....	270.94	
		Note: Includes Mileage		
02 90 55 00-0131	DAY	Trailer - Refrigerated 40' Storage For Emergency Clean-up.....	286.94	
02 90 55 00-0132	DAY	Utility Trailer For Emergency Clean-up .....	238.95	
		Note: Includes Mileage		
02 90 55 00-0133	DAY	Truck Mount, Per Wand Extraction For Emergency Clean-up .....	1,077.69	
02 90 55 00-0134	DAY	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up .....	46.84	
02 90 55 00-0135	WK	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up .....	128.80	
02 90 55 00-0136	MO	High Efficiency Particulate Air (HEPA) Backpack Vacuum For Emergency Clean-up .....	351.28	
02 90 55 00-0137	DAY	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	159.25	
02 90 55 00-0138	WK	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	437.93	
02 90 55 00-0139	MO	12 Gallon, Industrial High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up .....	1,194.37	
02 90 55 00-0140	DAY	Vacuum - Upright For Emergency Clean-up .....	31.67	
02 90 55 00-0141	WK	Vacuum - Upright For Emergency Clean-up .....	87.09	
02 90 55 00-0142	MO	Vacuum - Upright For Emergency Clean-up .....	237.51	
02 90 55 00-0143	DAY	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up .....	65.56	
02 90 55 00-0144	WK	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up .....	162.86	
02 90 55 00-0145	MO	12 To 23 Gallon, Wet/Dry Shop Vacuum For Emergency Clean-up .....	391.28	
02 90 55 00-0146	DAY	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up .....	65.56	
02 90 55 00-0147	WK	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	162.86	
02 90 55 00-0148	MO	55 Gallon Wet/Dry Drum Top Vacuum For Emergency Clean-up.....	412.42	
02 90 55 00-0149	DAY	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	150.16	
02 90 55 00-0150	WK	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	401.85	
02 90 55 00-0151	MO	17 Gallon Wet Vacuum With Pump Discharge For Emergency Clean-up.....	1,120.95	
02 90 55 00-0152	DAY	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up .....	46.84	
02 90 55 00-0153	WK	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up .....	128.80	
02 90 55 00-0154	MO	Zip Wall Poles (Per 2 Poles) For Emergency Clean-up .....	351.28	
02 90 55 00-0155	DAY	10' x 10' Canopy For Emergency Clean-up .....	133.24	
02 90 55 00-0156	WK	10' x 10' Canopy For Emergency Clean-up .....	266.49	
02 90 55 00-0157	MO	10' x 10' Canopy For Emergency Clean-up .....	532.98	
02 90 55 00-0158	DAY	10' x 20' Canopy For Emergency Clean-up .....	266.49	
02 90 55 00-0159	WK	10' x 20' Canopy For Emergency Clean-up .....	532.98	
02 90 55 00-0160	MO	10' x 20' Canopy For Emergency Clean-up .....	1,065.96	
02 90 55 00-0161	DAY	16' x 16' Canopy For Emergency Clean-up .....	334.17	
02 90 55 00-0162	WK	16' x 16' Canopy For Emergency Clean-up .....	668.34	
02 90 55 00-0163	MO	16' x 16' Canopy For Emergency Clean-up .....	1,336.68	
02 90 55 00-0164	DAY	20' x 20' Canopy For Emergency Clean-up .....	444.15	
02 90 55 00-0165	WK	20' x 20' Canopy For Emergency Clean-up .....	888.30	
02 90 55 00-0166	MO	20' x 20' Canopy For Emergency Clean-up .....	1,776.60	
02 90 55 00-0167	DAY	20' x 30' Canopy For Emergency Clean-up .....	507.60	
02 90 55 00-0168	WK	20' x 30' Canopy For Emergency Clean-up .....	1,015.20	
02 90 55 00-0169	MO	20' x 30' Canopy For Emergency Clean-up .....	2,030.40	
02 90 55 00-0170	DAY	20' x 40' Canopy For Emergency Clean-up .....	592.20	
02 90 55 00-0171	WK	20' x 40' Canopy For Emergency Clean-up .....	1,184.40	
02 90 55 00-0172	MO	20' x 40' Canopy For Emergency Clean-up .....	2,368.80	
02 90 55 00-0173	DAY	First Aid Station For Emergency Clean-up.....	319.79	
02 90 55 00-0174	WK	First Aid Station For Emergency Clean-up.....	879.42	
02 90 55 00-0175	MO	First Aid Station For Emergency Clean-up.....	2,398.41	
02 90 55 00-0176	DAY	Portable Eyewash Station For Emergency Clean-up .....	97.12	
02 90 55 00-0177	WK	Portable Eyewash Station For Emergency Clean-up .....	267.08	
02 90 55 00-0178	MO	Portable Eyewash Station For Emergency Clean-up .....	728.41	
02 90 55 00-0179	DAY	2 Way Radio For Emergency Clean-up .....	40.31	



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 90 55 00-0180		Technical/Electronics Restoration Equipment (02 90 55 00-0022)		
02 90 55 00-0181	DAY	Computer - Diagnostic For Emergency Clean-up	52.88	
02 90 55 00-0182	WK	Computer - Diagnostic For Emergency Clean-up	145.41	
02 90 55 00-0183	MO	Computer - Diagnostic For Emergency Clean-up	396.56	
02 90 55 00-0184	DAY	Convection Oven - Large For Emergency Clean-up	837.77	
02 90 55 00-0185	WK	Convection Oven - Large For Emergency Clean-up	2,303.88	
02 90 55 00-0186	MO	Convection Oven - Large For Emergency Clean-up	6,283.31	
02 90 55 00-0187	DAY	Convection Oven - Small For Emergency Clean-up	190.35	
02 90 55 00-0188	WK	Convection Oven - Small For Emergency Clean-up	523.46	
02 90 55 00-0189	MO	Convection Oven - Small For Emergency Clean-up	1,427.62	
02 90 55 00-0190	DAY	Convection Oven - Vacuum For Emergency Clean-up	1,195.72	
02 90 55 00-0191	WK	Convection Oven - Vacuum For Emergency Clean-up	3,288.24	
02 90 55 00-0192	MO	Convection Oven - Vacuum For Emergency Clean-up	8,967.93	
02 90 55 00-0193	DAY	Decontamination Booth For Emergency Clean-up	988.44	
02 90 55 00-0194	WK	Decontamination Booth For Emergency Clean-up	2,718.21	
02 90 55 00-0195	MO	Decontamination Booth For Emergency Clean-up	7,413.30	
02 90 55 00-0196	DAY	DI Water System For Emergency Clean-up	76.77	
02 90 55 00-0197	WK	DI Water System For Emergency Clean-up	211.12	
02 90 55 00-0198	MO	DI Water System For Emergency Clean-up	575.79	
02 90 55 00-0199	DAY	ESD Bench Workstation For Emergency Clean-up	47.02	
02 90 55 00-0200	WK	ESD Bench Workstation For Emergency Clean-up	129.31	
02 90 55 00-0201	MO	ESD Bench Workstation For Emergency Clean-up	352.67	
02 90 55 00-0202	DAY	Heater/Enclosure Control System For Emergency Clean-up	31.72	
02 90 55 00-0203	WK	Heater/Enclosure Control System For Emergency Clean-up	87.24	
02 90 55 00-0204	MO	Heater/Enclosure Control System For Emergency Clean-up	237.94	
02 90 55 00-0205	DAY	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	120.92	
02 90 55 00-0206	WK	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	332.52	
02 90 55 00-0207	MO	Hi-Tech Mobile Cart/Workstation For Emergency Clean-up	906.87	
02 90 55 00-0208	DAY	Micro-Blaster/Dust Collector For Emergency Clean-up	475.88	
02 90 55 00-0209	WK	Micro-Blaster/Dust Collector For Emergency Clean-up	1,308.66	
02 90 55 00-0210	MO	Micro-Blaster/Dust Collector For Emergency Clean-up	3,569.06	
02 90 55 00-0211	DAY	Mobile Laboratory For Emergency Clean-up	1,321.88	
02 90 55 00-0212	WK	Mobile Laboratory For Emergency Clean-up	3,635.16	
02 90 55 00-0213	MO	Mobile Laboratory For Emergency Clean-up	9,914.06	
02 90 55 00-0214	DAY	Nitrogen Enclosure Cabinet For Emergency Clean-up	25.38	
02 90 55 00-0215	WK	Nitrogen Enclosure Cabinet For Emergency Clean-up	69.80	
02 90 55 00-0216	MO	Nitrogen Enclosure Cabinet For Emergency Clean-up	190.35	
02 90 55 00-0217	DAY	Odell Cleaning Station For Emergency Clean-up	740.25	
02 90 55 00-0218	WK	Odell Cleaning Station For Emergency Clean-up	2,035.69	
02 90 55 00-0219	MO	Odell Cleaning Station For Emergency Clean-up	5,551.88	
02 90 55 00-0220	DAY	Parts Washer For Emergency Clean-up	52.88	
02 90 55 00-0221	WK	Parts Washer For Emergency Clean-up	145.41	
02 90 55 00-0222	MO	Parts Washer For Emergency Clean-up	396.56	
02 90 55 00-0223	DAY	Ultrasonic Cleaning System For Emergency Clean-up	359.87	
02 90 55 00-0224	WK	Ultrasonic Cleaning System For Emergency Clean-up	989.64	
02 90 55 00-0225	MO	Ultrasonic Cleaning System For Emergency Clean-up	2,699.02	
02 90 55 00-0226	DAY	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	159.25	
02 90 55 00-0227	WK	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	437.93	
02 90 55 00-0228	MO	Technical High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up	1,194.37	

02 90 55 00-0229		Drying/Dehumidification Equipment (02 90 55 00-0022)		
02 90 55 00-0230	DAY	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	234.19	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.				
02 90 55 00-0231	WK	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	644.02	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.				
02 90 55 00-0232	MO	202 CFM Water Extraction Unit With Dual 3-Stage Vacuums For Emergency Clean-up	1,756.42	
Note: Includes 25' high Pressure solution hose and 25' Vacuum hose.				
02 90 55 00-0233	DAY	3,000 CFM Axial Air Mover For Emergency Clean-up	98.05	
02 90 55 00-0234	WK	3,000 CFM Axial Air Mover For Emergency Clean-up	269.65	
02 90 55 00-0235	MO	3,000 CFM Axial Air Mover For Emergency Clean-up	735.41	
02 90 55 00-0236	DAY	Injectidry System For Emergency Clean-up	290.39	
02 90 55 00-0237	WK	Injectidry System For Emergency Clean-up	798.59	
02 90 55 00-0238	MO	Injectidry System For Emergency Clean-up	2,177.96	
02 90 55 00-0239	DAY	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	187.35	
02 90 55 00-0240	WK	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	515.22	
02 90 55 00-0241	MO	Up To 100 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,405.14	
02 90 55 00-0242	DAY	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	264.38	
02 90 55 00-0243	WK	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	727.03	
02 90 55 00-0244	MO	>100 To 175 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,982.81	
02 90 55 00-0245	DAY	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	258.72	
02 90 55 00-0246	WK	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	711.49	
02 90 55 00-0247	MO	>175 To 250 Pints Water Removal Per Day, Refrigerant Dehumidifier For Emergency Clean-up	1,940.43	
02 90 55 00-0248	DAY	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	276.57	
02 90 55 00-0249	WK	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	760.56	
02 90 55 00-0250	MO	Phoenix 200 Refrigerant Dehumidifier For Emergency Clean-up	2,074.25	
02 90 55 00-0251	DAY	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	276.57	
02 90 55 00-0252	WK	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	760.56	
02 90 55 00-0253	MO	Phoenix 300 Refrigerant Dehumidifier For Emergency Clean-up	2,074.25	
02 90 55 00-0254	DAY	D-500 Desiccant Dehumidifier For Emergency Clean-up	312.25	
02 90 55 00-0255	WK	D-500 Desiccant Dehumidifier For Emergency Clean-up	858.69	
02 90 55 00-0256	MO	D-500 Desiccant Dehumidifier For Emergency Clean-up	2,341.89	
02 90 55 00-0257	DAY	D-750 Desiccant Dehumidifier For Emergency Clean-up	655.73	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 90 55 00-0258	WK	D-750 Desiccant Dehumidifier For Emergency Clean-up	1,803.26	
02 90 55 00-0259	MO	D-750 Desiccant Dehumidifier For Emergency Clean-up	4,917.98	
02 90 55 00-0260	DAY	D-1000 Desiccant Dehumidifier For Emergency Clean-up	1,124.11	
02 90 55 00-0261	WK	D-1000 Desiccant Dehumidifier For Emergency Clean-up	3,091.30	
02 90 55 00-0262	MO	D-1000 Desiccant Dehumidifier For Emergency Clean-up	8,430.82	
02 90 55 00-0263	DAY	D-1500 Desiccant Dehumidifier For Emergency Clean-up	1,730.77	
02 90 55 00-0264	WK	D-1500 Desiccant Dehumidifier For Emergency Clean-up	4,759.62	
02 90 55 00-0265	MO	D-1500 Desiccant Dehumidifier For Emergency Clean-up	12,980.78	
02 90 55 00-0266	DAY	D-2000 Desiccant Dehumidifier For Emergency Clean-up	1,730.77	
02 90 55 00-0267	WK	D-2000 Desiccant Dehumidifier For Emergency Clean-up	4,759.62	
02 90 55 00-0268	MO	D-2000 Desiccant Dehumidifier For Emergency Clean-up	12,980.78	
02 90 55 00-0269	DAY	D-2250 Desiccant Dehumidifier For Emergency Clean-up	1,807.50	
02 90 55 00-0270	WK	D-2250 Desiccant Dehumidifier For Emergency Clean-up	4,970.61	
02 90 55 00-0271	MO	D-2250 Desiccant Dehumidifier For Emergency Clean-up	13,556.22	
02 90 55 00-0272	DAY	D-3000 Desiccant Dehumidifier For Emergency Clean-up	2,248.22	
02 90 55 00-0273	WK	D-3000 Desiccant Dehumidifier For Emergency Clean-up	6,182.60	
02 90 55 00-0274	MO	D-3000 Desiccant Dehumidifier For Emergency Clean-up	16,861.64	
02 90 55 00-0275	DAY	D-4500 Desiccant Dehumidifier For Emergency Clean-up	2,529.25	
02 90 55 00-0276	WK	D-4500 Desiccant Dehumidifier For Emergency Clean-up	6,955.42	
02 90 55 00-0277	MO	D-4500 Desiccant Dehumidifier For Emergency Clean-up	18,969.34	
02 90 55 00-0278	DAY	D-5000 Desiccant Dehumidifier For Emergency Clean-up	2,716.60	
02 90 55 00-0279	WK	D-5000 Desiccant Dehumidifier For Emergency Clean-up	7,470.64	
02 90 55 00-0280	MO	D-5000 Desiccant Dehumidifier For Emergency Clean-up	20,374.48	
02 90 55 00-0281	DAY	D-9000 Desiccant Dehumidifier For Emergency Clean-up	3,568.60	
02 90 55 00-0282	WK	D-9000 Desiccant Dehumidifier For Emergency Clean-up	9,813.65	
02 90 55 00-0283	MO	D-9000 Desiccant Dehumidifier For Emergency Clean-up	26,764.50	
02 90 55 00-0284	DAY	D-10500 Desiccant Dehumidifier For Emergency Clean-up	3,747.03	
02 90 55 00-0285	WK	D-10500 Desiccant Dehumidifier For Emergency Clean-up	10,304.33	
02 90 55 00-0286	MO	D-10500 Desiccant Dehumidifier For Emergency Clean-up	28,102.72	
02 90 55 00-0287	DAY	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	654.96	
02 90 55 00-0288	WK	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,801.14	
02 90 55 00-0289	MO	3.5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,912.21	
02 90 55 00-0290	DAY	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	906.87	
02 90 55 00-0291	WK	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,493.89	
02 90 55 00-0292	MO	5 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,801.52	
02 90 55 00-0293	DAY	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,124.11	
02 90 55 00-0294	WK	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	3,091.30	
02 90 55 00-0295	MO	10 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	8,430.82	
02 90 55 00-0296	DAY	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	1,498.81	
02 90 55 00-0297	WK	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	4,121.73	
02 90 55 00-0298	MO	25 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	11,241.09	
02 90 55 00-0299	DAY	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,529.25	
02 90 55 00-0300	WK	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	6,955.42	
02 90 55 00-0301	MO	50 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	18,969.34	
02 90 55 00-0302	DAY	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	2,810.27	
02 90 55 00-0303	WK	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	7,728.25	
02 90 55 00-0304	MO	80 Ton DX Unit - Heating / Air Conditioning For Emergency Clean-up	21,077.04	
02 90 55 00-0305	DAY	25' Flex Duct For Emergency Clean-up	37.47	
02 90 55 00-0306	WK	25' Flex Duct For Emergency Clean-up	103.04	
02 90 55 00-0307	MO	25' Flex Duct For Emergency Clean-up	281.03	
02 90 55 00-0308	DAY	Hygrothermograph For Emergency Clean-up	52.88	
02 90 55 00-0309	WK	Hygrothermograph For Emergency Clean-up	145.41	
02 90 55 00-0310	MO	Hygrothermograph For Emergency Clean-up	396.56	
02 90 55 00-0311	DAY	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	9,482.88	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0312	WK	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	26,077.91	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		
02 90 55 00-0313	MO	Dehumidification Trailer With 1,500 CFM Desiccant Unit For Emergency Clean-up	71,121.59	
		Note: Includes 400 KW generator, 1500 CFM desiccant DH, 25 Ton DX unit, 1000 gallon fuel tank, and limited electrical distribution.		

**02 90 55 00-0314 Power Equipment** (02 90 55 00-0022)

02 90 55 00-0315	WK	Up to 65 KVA Generator For Emergency Clean-up	1,247.54	
02 90 55 00-0316	WK	>65 to 125 KVA Generator For Emergency Clean-up	2,111.23	
02 90 55 00-0317	WK	>125 to 250 KVA Generator For Emergency Clean-up	2,059.14	
02 90 55 00-0318	WK	>250 to 375 KVA Generator For Emergency Clean-up	3,550.70	
02 90 55 00-0319	WK	>375 Up to 440 KVA Generator For Emergency Clean-up	4,798.25	
02 90 55 00-0320	WK	>440 to 625 KVA Generator For Emergency Clean-up	7,225.05	
02 90 55 00-0321	WK	>625 to 800 KVA Generator For Emergency Clean-up	7,389.30	
02 90 55 00-0322	WK	>800 to 1,000 KVA Generator For Emergency Clean-up	9,884.40	
02 90 55 00-0323	WK	>1,000 to 1,500 KVA Generator For Emergency Clean-up	14,874.58	
02 90 55 00-0324	EA	Generator Cable/Pigtails (Per Section) For Emergency Clean-up	32.24	
02 90 55 00-0325	EA	Sub-Distribution Panel (Spider Box) For Emergency Clean-up	154.50	
02 90 55 00-0326	EA	Electrical Distribution Panel For Emergency Clean-up	359.87	
02 90 55 00-0327	EA	Quad Box Strings (25' Sections) For Emergency Clean-up	58.06	
02 90 55 00-0328	EA	50' Power Cord For Spider Box For Emergency Clean-up	53.74	
02 90 55 00-0329	EA	Pig Tails (Per Each) For Emergency Clean-up	5.29	

**02 90 55 00-0330 Freight Charges** (02 90 55 00-0022)

02 90 55 00-0331	MI	Freight Up To 1 Ton Pick Up Truck For Emergency Clean-up Equipment	2.64	
02 90 55 00-0332	MI	Freight >1 Ton Pick Up Truck For Emergency Clean-up Equipment	4.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0333	MI		Freight 16' Or 24' Box Truck For Emergency Clean-up Equipment.....	4.76	
02 90 55 00-0334	MI		Freight Tractor Trailer For Emergency Clean-up Equipment.....	6.87	
<b>02 90 55 00-0335 Emergency Clean-up Personal Protection Equipment (02 90 55 00-0001)</b>					
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.					
02 90 55 00-0336	EA		Tyvek Coveralls For Emergency Clean-up Personal Protection Equipment.....	15.51	
02 90 55 00-0337	EA		Tyvek Coveralls With Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment.....	18.27	
02 90 55 00-0338	EA		Tyvek Coveralls With Hood, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment.....	19.15	
02 90 55 00-0339	EA		Tyvek Coveralls With Hood, Boots, Elastic Wrists And Ankles For Emergency Clean-up Personal Protection Equipment.....	24.14	
02 90 55 00-0340	EA		Disposable Dual Cartridge Half-Mask Respirator For Emergency Clean-up Personal Protection Equipment.....	128.34	
02 90 55 00-0341	EA		N95 Respirator For Emergency Clean-up Personal Protection Equipment.....	5.37	
02 90 55 00-0342	EA		N95 Respirator With Valve For Emergency Clean-up Personal Protection Equipment.....	7.65	
02 90 55 00-0343	PR		3M Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	51.30	
02 90 55 00-0344	EA		Respirator Cleaning Wipes, Per Box 100 For Emergency Clean-up Personal Protection Equipment.....	41.05	
02 90 55 00-0345	PR		P100 Respirator Cartridges For Emergency Clean-up Personal Protection Equipment.....	51.30	
02 90 55 00-0346	EA		Respirator Cartridge For Emergency Clean-up Personal Protection Equipment.....	54.17	
02 90 55 00-0347	BOX		Dust Mask, Box of 50, For Emergency Clean-up Personal Protection Equipment.....	60.40	
02 90 55 00-0348	PR		Cotton Canvas Gloves For Emergency Clean-up Personal Protection Equipment.....	4.32	
02 90 55 00-0349	BOX		5 Mil, Disposable Latex Gloves, Box of 100, For Emergency Clean-up Personal Protection Equipment.....	28.10	
02 90 55 00-0350	PR		4 Mil, Disposable Nitrile Gloves For Emergency Clean-up Personal Protection Equipment.....	0.57	
02 90 55 00-0351	PR		5 Mil, Disposable Vinyl Gloves For Emergency Clean-up Personal Protection Equipment.....	0.48	
02 90 55 00-0352	PR		17 Mil, Latex Gloves For Emergency Clean-up Personal Protection Equipment.....	2.28	
02 90 55 00-0353	PR		15 Mil, Nitrile Gloves For Emergency Clean-up Personal Protection Equipment.....	5.43	
02 90 55 00-0354	PR		Vinyl Coated Gloves With Knit Lining For Emergency Clean-up Personal Protection Equipment.....	7.44	
02 90 55 00-0355	PR		30 Mil, Polyvinyl Chloride (PVC) And Polyvinyl Chloride (PVC) Blend Gloves For Emergency Clean-up Personal Protection Equipment.....	8.34	
02 90 55 00-0356	PR		Leather Gloves For Emergency Clean-up Personal Protection Equipment.....	14.06	
02 90 55 00-0357	EA		Heavy Duty, Rubber Gloves For Emergency Clean-up Personal Protection Equipment.....	24.00	
02 90 55 00-0358	PR		Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	15.65	
02 90 55 00-0359	PR		Chemical Splash/Impact Resistant, Polycarbonate Lens Safety Goggles For Emergency Clean-up Personal Protection Equipment.....	25.81	
02 90 55 00-0360	PR		Plastic Safety Glasses For Emergency Clean-up Personal Protection Equipment.....	6.85	
02 90 55 00-0361	EA		Safety Harness (Per Person/Day) For Emergency Clean-up Personal Protection Equipment.....	9.37	
<b>02 90 55 00-0362 Emergency Clean-up Expendables (02 90 55 00-0001)</b>					
Note: Used in the performance of time and material projects. Not used in conjunction with tasks in the Cleaning, Contents Manipulation, and Water Emergency Clean-up sections.					
<b>02 90 55 00-0363 General Materials (02 90 55 00-0362)</b>					
02 90 55 00-0364	GAL		Adhesive Remover For Emergency Clean-up.....	112.41	
02 90 55 00-0365	GAL		Bioside-HS Cleaning Solution For Emergency Clean-up.....	36.06	
02 90 55 00-0366	GAL		Biocide Mold Cleaning Solution For Emergency Clean-up.....	46.01	
02 90 55 00-0367	EA		10" x 12" x 15" Cardboard Storage Box For Emergency Clean-up.....	5.92	
02 90 55 00-0368	EA		10" x 12" x 24" Cardboard Storage Box For Emergency Clean-up.....	8.99	
02 90 55 00-0369	EA		10" x 15" x 24" Cardboard Storage Box For Emergency Clean-up.....	8.99	
02 90 55 00-0370	GAL		Bleach For Emergency Clean-up.....	12.09	
02 90 55 00-0371	EA		Small Stainless Brush For Emergency Clean-up.....	7.68	
02 90 55 00-0372	EA		2-1/2 Gallon Buckets For Emergency Clean-up.....	8.93	
02 90 55 00-0373	EA		5 Gallon Bucket For Emergency Clean-up.....	13.54	
02 90 55 00-0374	GAL		Carpet Defoamer For Emergency Clean-up.....	34.82	
02 90 55 00-0375	GAL		Carpet Pre-treat For Emergency Clean-up.....	28.41	
02 90 55 00-0376	GAL		Carpet Spotter For Emergency Clean-up.....	47.60	
02 90 55 00-0377	GAL		Carpet/Upholstery Cleaner For Emergency Clean-up.....	38.39	
02 90 55 00-0378	ROL		Carpet Masking/Shield For Emergency Clean-up.....	110.48	
02 90 55 00-0379	EA		Chemical Sponge For Emergency Clean-up.....	4.43	
02 90 55 00-0380	GAL		Clear Seal For Emergency Clean-up.....	151.14	
02 90 55 00-0381	GAL		Coil Cleaner For Emergency Clean-up.....	76.06	
02 90 55 00-0382	EA		Decontamination Chamber For Emergency Clean-up.....	330.50	
02 90 55 00-0383	GAL		All Purpose Degreaser For Emergency Clean-up.....	49.46	
02 90 55 00-0384	GAL		Heavy Duty Degreaser For Emergency Clean-up.....	56.68	
02 90 55 00-0385	GAL		De-Foamer Liquid For Emergency Clean-up.....	65.01	
02 90 55 00-0386	EA		Deodorization Membrane For Emergency Clean-up.....	121.25	
02 90 55 00-0387	GAL		9-D-9 Smoke Deodorizer For Emergency Clean-up.....	194.32	
02 90 55 00-0388	LB		Deodorizing Gel For Emergency Clean-up.....	45.65	
02 90 55 00-0389	GAL		Deodorizing Liquid For Emergency Clean-up.....	64.30	
02 90 55 00-0390	PAIL		Deodorizing Block For Emergency Clean-up.....	11.48	
02 90 55 00-0391	GAL		Disinfectant/Anti-microbial For Emergency Clean-up.....	118.45	
02 90 55 00-0392	GAL		BruClean Disinfectant For Emergency Clean-up.....	38.69	
02 90 55 00-0393	GAL		Dryclean For Emergency Clean-up.....	50.52	
02 90 55 00-0394	GAL		Duct Sealant Spray For Emergency Clean-up.....	76.14	
02 90 55 00-0395	GAL		Antifungal Duct Sealant For Emergency Clean-up.....	109.98	
02 90 55 00-0396	GAL		Microbial Encapsulant (Fosters 20 - 40) For Emergency Clean-up.....	175.23	
02 90 55 00-0397	PR		Ear Plugs For Emergency Clean-up Personal Protection Equipment.....	0.68	
02 90 55 00-0398	GAL		Encapsulant For Emergency Clean-up.....	125.91	
02 90 55 00-0399	GAL		Aftershock Fiberlocke For Emergency Clean-up.....	110.55	
02 90 55 00-0400	GAL		IAQ 2500 Fiberlocke For Emergency Clean-up.....	130.59	
02 90 55 00-0401	GAL		IAS 6000 Fiberlocke For Emergency Clean-up.....	134.31	
02 90 55 00-0402	ROL		Filter Material For Emergency Clean-up.....	296.42	
02 90 55 00-0403	EA		Blue Paper Collection Bag Filter For Emergency Clean-up.....	7.98	
02 90 55 00-0404	EA		CVAC Filter For High Efficiency Particulate Air (HEPA) Vacuum For Emergency Clean-up.....	633.98	
02 90 55 00-0405	EA		Pre-Filter For Negative Air Machine For Emergency Clean-up.....	3.04	
02 90 55 00-0406	EA		Pleated Filter For Negative Air Machine For Emergency Clean-up.....	13.54	

**02 Existing Conditions****02 90 Disaster Recovery****02 90 55 Emergency Clean-up**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

02 90 55 00-0407	EA	Charcoal Filter For Negative Air Machine For Emergency Clean-up	48.21
02 90 55 00-0408	EA	High Efficiency Particulate Air (HEPA) Filter For Negative Air Machine For Emergency Clean-up	458.54
02 90 55 00-0409	EA	Pleated Dehumidifier Filter For Emergency Clean-up	12.10
02 90 55 00-0410	GAL	Floor Stripper For Emergency Clean-up	23.69
02 90 55 00-0411	GAL	Floor Wax For Emergency Clean-up	33.84
02 90 55 00-0412	GAL	Fogger (Thermal) For Emergency Clean-up	206.09
02 90 55 00-0413	BOX	Furniture Blocks For Emergency Clean-up	166.00
02 90 55 00-0414	EA	Furniture Polish, Per 10 Oz Can For Emergency Clean-up	22.37
02 90 55 00-0415	GAL	Glass Cleaner For Emergency Clean-up	14.92
02 90 55 00-0416	EA	Goof Off Spray, 12 Oz For Emergency Clean-up	19.19
02 90 55 00-0417	EA	Halogen Light Bulbs For Emergency Clean-up	24.16
02 90 55 00-0418	QT	Hand Sanitizer For Emergency Clean-up	11.95
02 90 55 00-0419	EA	Hard Hats For Emergency Clean-up Personal Protection Equipment	9.84
02 90 55 00-0420	BOX	Hog Rings, Box Of 2,500 For Emergency Clean-up	23.38
02 90 55 00-0421	GAL	HVAC Coal Cleaner For Emergency Clean-up	73.32
02 90 55 00-0422	BOX	Inventory Tag, Box Of 1,000 For Emergency Clean-up	164.49
02 90 55 00-0423	EA	Utility Knives For Emergency Clean-up	18.61
02 90 55 00-0424	ROL	13" Lay Flat Tubing (250' Roll) For Emergency Clean-up	141.11
02 90 55 00-0425	ROL	20" Lay Flat Tubing (250' Roll) For Emergency Clean-up	148.97
02 90 55 00-0426	ROL	29" Lay Flat Tubing (250' Roll) For Emergency Clean-up	296.60
02 90 55 00-0427	ROL	39" Lay Flat Tubing (250' Roll) For Emergency Clean-up	428.71
02 90 55 00-0428	GAL	Lemon Oil For Emergency Clean-up	59.95
02 90 55 00-0429	GAL	LPS 1/Mecca Lube For Emergency Clean-up	61.49
02 90 55 00-0430	GAL	LPS 2 For Emergency Clean-up	65.07
02 90 55 00-0431	GAL	LPS Contact Cleaner For Emergency Clean-up	64.77
02 90 55 00-0432	GAL	Light Lubricant Preserve For Emergency Clean-up	171.71
02 90 55 00-0433	GAL	Heavy Lubricant Preserver For Emergency Clean-up	33.84
02 90 55 00-0434	GAL	Machinery Cleaning Solvent For Emergency Clean-up	287.03
02 90 55 00-0435	GAL	Metal Polishing Paste For Emergency Clean-up	31.78
02 90 55 00-0436	GAL	MediClean® Disinfectant For Emergency Clean-up	68.39
02 90 55 00-0437	GAL	Dri-Eaz Milgo Plus Sanitizer For Emergency Clean-up	83.94
02 90 55 00-0438	EA	Mop Heads For Emergency Clean-up	10.65
02 90 55 00-0439	EA	Nylon Scouring Pads For Emergency Clean-up	1.86
02 90 55 00-0440	GAL	Odor Neutralizer For Emergency Clean-up	47.60
02 90 55 00-0441	EA	Packing Paper, 25 LB Bundle For Emergency Clean-up	85.54
02 90 55 00-0442	EA	Paint Brushes For Emergency Clean-up	8.46
02 90 55 00-0443	ROL	Corrugated/Craft Paper, 48" x 250' For Emergency Clean-up	199.48
02 90 55 00-0444	EA	Putty Knives For Emergency Clean-up	7.66
02 90 55 00-0445	ROL	Red Resin Paper, 200' Roll For Emergency Clean-up	43.53
02 90 55 00-0446	GAL	Reodorant For Emergency Clean-up	143.82
02 90 55 00-0447	GAL	Restoracide For Emergency Clean-up	67.46
02 90 55 00-0448	GAL	Rust Remover For Emergency Clean-up	104.92
02 90 55 00-0449	EA	Saltesmo Test Samples For Emergency Clean-up	9.75
02 90 55 00-0450	EA	Sand Bag For Emergency Clean-up Note: Excludes sand material	2.56
02 90 55 00-0451	EA	Scotch-Brite 7447, Per Box 50 For Emergency Clean-up	34.26
02 90 55 00-0452	EA	Small Scrub Brushes For Emergency Clean-up	17.66
02 90 55 00-0453	GAL	Clear Soot Sealant For Emergency Clean-up	121.68
02 90 55 00-0454	GAL	Pigmented Soot Sealant For Emergency Clean-up	328.14
02 90 55 00-0455	ROL	Shrinkwrap Plastic For Emergency Clean-up	75.54
02 90 55 00-0456	EA	Dry Sponges For Emergency Clean-up	6.14
02 90 55 00-0457	EA	Spray Adhesive, Per Can For Emergency Clean-up	7.88
02 90 55 00-0458	EA	Spray Bot./Trigger For Emergency Clean-up	6.53
02 90 55 00-0459	GAL	Stain Remover For Emergency Clean-up	42.99
02 90 55 00-0460	GAL	Stainless Steel Cleaner For Emergency Clean-up	14.85
02 90 55 00-0461	EA	Stainless Steel Polish, Per Can For Emergency Clean-up	19.48
02 90 55 00-0462	LB	Sweeping Compound For Emergency Clean-up	0.70
02 90 55 00-0463	ROL	Duct Tape, 2" x 50 YD For Emergency Clean-up	15.42
02 90 55 00-0464	ROL	Environmental (Teal) Tape, 3/4" x 1,440' For Emergency Clean-up	14.50
02 90 55 00-0465	ROL	HVAC (Aluminum) Tape, 2" x 75' For Emergency Clean-up	37.22
02 90 55 00-0466	ROL	Blue Masking (Painters) Tape, 1-1/2" x 198' For Emergency Clean-up	20.64
02 90 55 00-0467	ROL	Poly Box Tape, 2" x 110 YD For Emergency Clean-up	6.37
02 90 55 00-0468	LB	Terry Towels For Emergency Clean-up	8.71
02 90 55 00-0469	GAL	Thermal Fog For Emergency Clean-up	96.73
02 90 55 00-0470	ROL	1.7 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	47.96
02 90 55 00-0471	ROL	3 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	112.10
02 90 55 00-0472	ROL	4 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	143.82
02 90 55 00-0473	ROL	6 Mil, 55 Gallon Trash Bags, 50/Roll For Emergency Clean-up	191.28
02 90 55 00-0474	EA	Trisodium Phosphate, 20 LB Pail For Emergency Clean-up	61.74
02 90 55 00-0475	EA	Backpack Vacuum Bags For Emergency Clean-up	2.08
02 90 55 00-0476	EA	Upright Vacuum Bags For Emergency Clean-up	2.77
02 90 55 00-0477	GAL	Vinyl And Leather Cleaner For Emergency Clean-up	38.39
02 90 55 00-0478	ROL	1 Mil Visqueen, 12' x 400', For Emergency Clean-up	62.14
02 90 55 00-0479	ROL	4 Mil Visqueen, 32' x 100', For Emergency Clean-up	168.72
02 90 55 00-0480	ROL	6 Mil Visqueen, 32' x 400', For Emergency Clean-up	230.22
02 90 55 00-0481	LB	Wipes, Cotton Cloth For Emergency Clean-up	6.52
02 90 55 00-0482	ROL	12" x 750', Wrap, Bubble/Anti-static For Emergency Clean-up	189.49
02 90 55 00-0483	EA	Wyp-Alls, Case Of 160 Wipes For Emergency Clean-up	19.19
02 90 55 00-0484	EA	Zip Wall Zippers For Emergency Clean-up	28.76
02 90 55 00-0485	EA	Absorbent Matt Roll For Oil And Other Liquids - 15" Wide x 50' Roll Note: 3.3 gallon volume absorption capacity per roll	34.46
02 90 55 00-0486	EA	Oil Only Sorbent Pads - 15" x 19", Light, Package Of 100 Note: 26 OZ volume absorption capacity per pad	51.70
02 90 55 00-0487	EA	Oil Only Sorbent Pads - 15" x 19", Medium, Package Of 100 Note: 33 OZ volume absorption capacity per pad	54.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
02 90 55 00-0488	EA		Oil Only Sorbent Pads - 15" x 19", Heavy, Package Of 100 ..... Note: 45 OZ volume absorption capacity per pad	88.94	
<b>02 90 55 00-0489 Technical/Electronics Restoration Materials (02 90 55 00-0362)</b>					
02 90 55 00-0490	EA		Brush - Brass For Emergency Clean-up .....	6.34	
02 90 55 00-0491	EA		1" Brush, Natural Bristle For Emergency Clean-up.....	2.03	
02 90 55 00-0492	EA		1/2" Brush, Natural Bristle For Emergency Clean-up.....	1.69	
02 90 55 00-0493	EA		1/4" Brush, Natural Bristle For Emergency Clean-up.....	1.44	
02 90 55 00-0494	EA		Brush - Parts For Emergency Clean-up.....	8.80	
02 90 55 00-0495	EA		Brush - Plastic For Emergency Clean-up.....	4.57	
02 90 55 00-0496	EA		Brush - Wire Grout For Emergency Clean-up.....	10.08	
02 90 55 00-0497	EA		Brushing Tool For Emergency Clean-up.....	19.43	
02 90 55 00-0498	EA		Cleaning Swabs, Cotton For Emergency Clean-up .....	0.42	
02 90 55 00-0499	EA		Cleaning Swabs, Foam Tip For Emergency Clean-up .....	0.51	
02 90 55 00-0500	EA		Contact Restorer, Per Can For Emergency Clean-up.....	38.47	
02 90 55 00-0501	EA		Contact Spray, Per Can For Emergency Clean-up.....	26.17	
02 90 55 00-0502	UNT		Corrosion Inhibitor Emitter - 1 CF For Emergency Clean-up .....	4.06	
02 90 55 00-0503	UNT		Corrosion Inhibitor Emitter - 5 CF For Emergency Clean-up .....	11.63	
02 90 55 00-0504	UNT		Corrosion Inhibitor Emitter - 10 CF For Emergency Clean-up .....	15.07	
02 90 55 00-0505	LB		Cotton Cleaning Cloths For Emergency Clean-up.....	23.79	
02 90 55 00-0506	EA		12" x 17" Dust Cloths For Emergency Clean-up.....	0.38	
02 90 55 00-0507	EA		24" x 24" Dust Cloths For Emergency Clean-up.....	1.04	
02 90 55 00-0508	EA		Deoxidizing Agent, Per Can For Emergency Clean-up.....	18.64	
02 90 55 00-0509	GAL		Electronic Grade Detergent For Emergency Clean-up .....	43.18	
02 90 55 00-0510	SHT		Inventory Labels For Emergency Clean-up .....	0.23	
02 90 55 00-0511	GAL		Isopropyl Alcohol For Emergency Clean-up .....	114.44	
02 90 55 00-0512	GAL		Lubrication/Penetrating Oil, Per Can For Emergency Clean-up .....	173.14	
02 90 55 00-0513	GAL		PC Board Detergent For Emergency Clean-up.....	108.66	
02 90 55 00-0514	GAL		Rust Inhibitor, Regular Duty For Emergency Clean-up.....	185.48	
02 90 55 00-0515	GAL		Rust Inhibitor, Moderate Duty For Emergency Clean-up .....	186.87	
02 90 55 00-0516	GAL		Rust Inhibitor, Severe Duty For Emergency Clean-up .....	199.74	
02 90 55 00-0517	LB		Wipes, Lint Free Cloths For Emergency Clean-up.....	7.55	
02 90 55 00-0518	EA		Wire Marker Card For Emergency Clean-up.....	2.96	
02 90 55 00-0519	EA		Steel Wool, 16 Pad Sleeve For Emergency Clean-up .....	1.63	

**END OF SECTION 02**



**02 Existing Conditions**

02 90 Disaster Recovery

02 90 55 Emergency Clean-up

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 03 Concrete

#### 03 01 Maintenance of Concrete <sup>(03)</sup>

##### 03 01 30 Maintenance of Cast-In-Place Concrete <sup>(03 01)</sup>

##### 03 01 30 51 Cleaning of Cast-In-Place Concrete <sup>(03 01 30)</sup>

See CSI section 09 01 90 52-0002 for cleaning of concrete surfaces.

03 01 30 51-0001	Abrasive Blasting <sup>(03 01 30 51)</sup>	
	Note: Includes containment and clean-up of all material. Includes steel ball media.	
03 01 30 51-0002	SF Concrete Floors, Abrasive Shot (Bead) Blasting.....	4.39
	For Up To 100, Add	4.14
	For >100 To 250, Add	1.04
	For >250 To 500, Add	0.52
	For >5,000 To 10,000, Deduct	-0.10
	For >10,000, Deduct	-0.21
03 01 30 51-0003	SF Concrete Walls, Abrasive Shot (Bead) Blasting.....	6.45
	For Up To 100, Add	8.26
	For >100 To 250, Add	2.07
	For >250 To 500, Add	1.03
	For >5,000 To 10,000, Deduct	-0.21
	For >10,000, Deduct	-0.41

##### 03 01 30 71 Rehabilitation of Cast-In-Place Concrete <sup>(03 01 30)</sup>

##### 03 01 30 71-0001 Concrete Resurfacing/Repair <sup>(03 01 30 71)</sup>

See CSI section 09 01 90 52-0002 for surface preparation as required.

##### 03 01 30 71-0002 Concrete Repair <sup>(03 01 30 71-0001)</sup>

##### 03 01 30 71-0003 Decks Or Floors <sup>(03 01 30 71-0002)</sup>

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0004	CF Patch Decks Or Floors With Portland Cement Based Repair Material .....	168.46
03 01 30 71-0005	CF Patch Decks Or Floors With Rapid Set Concrete Repair Material .....	234.90
03 01 30 71-0006	CF Patch Decks Or Floors With Rapid Set Polymer Concrete Methylmethacrylate .....	220.49
03 01 30 71-0007	CF Patch Decks Or Floors With SSI FlexPatch (Other Than Specified).....	475.27

##### 03 01 30 71-0008 Verticals Or Overheads <sup>(03 01 30 71-0002)</sup>

Note: Includes bonding agent and sealant. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0009	CF Patch Verticals Or Overheads With Portland Cement Based Repair Material .....	182.24
03 01 30 71-0010	CF Patch Verticals Or Overheads With Rapid Setting Concrete Repair Material .....	248.68
03 01 30 71-0011	CF Patch Verticals Or Overheads With Rapid Setting Polymer Concrete Methylmethacrylate .....	258.39
03 01 30 71-0012	CF Patch Verticals Or Overheads With SSI FlexPatch (Other Than Specified) .....	508.12
03 01 30 71-0013	SF Patch Verticals Or Overheads With 1/8" To 1/4" Elastomeric Patching Compound.....	10.81
03 01 30 71-0014	SF Patch Verticals Or Overheads With 1/8" To 1/4" Copolymer Cementitious Compound .....	18.87

Note: Rapid Set - WunderFix

##### 03 01 30 71-0015 Edge Repair <sup>(03 01 30 71-0002)</sup>

Note: Includes mesh. Excludes saw cutting, sand blasting and forming.

03 01 30 71-0016	CF Patch Edge, Portland Cement Based Repair Material .....	193.42
03 01 30 71-0017	CF Patch Edge, Rapid Setting Concrete Repair Material .....	259.86
03 01 30 71-0018	CF Patch Edge, Rapid Setting Polymer Concrete Methyl Methacrylate .....	272.55
03 01 30 71-0019	CF Patch Edge, SSI Flex Patch (Other Than Specified) .....	530.09

##### 03 01 30 71-0020 Crack Repair For Concrete <sup>(03 01 30 71-0001)</sup>

##### 03 01 30 71-0021 Non-Structural Crack Repair For Concrete <sup>(03 01 30 71-0020)</sup>

##### 03 01 30 71-0022 Surface Applied, Non-Structural Crack Repair For Concrete <sup>(03 01 30 71-0021)</sup>

Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing sealer with caulk gun, cartridge gun, squeeze bottle, etc. Excludes backer rod and sanding.

03 01 30 71-0023	LF Up To 1/4" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	8.84
	For V-Grooving Crack With Grinder, Add	7.11
03 01 30 71-0024	LF >1/4" To 1/2" Wide, Latex Emulsion, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Squeeze Tube (Quikrete® Concrete Crack Seal).....	11.51
	For V-Grooving Crack With Grinder, Add	6.93
03 01 30 71-0025	LF Up To 1/4" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	8.98
	For V-Grooving Crack With Grinder, Add	7.11
03 01 30 71-0026	LF >1/4" To 1/2" Wide, Sanded Acrylic Latex, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Quikrete® Concrete Repair).....	11.79
	For V-Grooving Crack With Grinder, Add	6.93
03 01 30 71-0027	LF Up To 1/4" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	9.50
	For V-Grooving Crack With Grinder, Add	7.11
03 01 30 71-0028	LF >1/4" To 1/2" Wide, Self Leveling Polyurethane Sealant, Gravity Fed Non-Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Self-Leveling Sealant).....	12.83
	For V-Grooving Crack With Grinder, Add	6.93

**03 Concrete****03 01 Maintenance of Concrete****03 01 30 Maintenance of Cast-In-Place Concrete**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
03 01 30 71-0029	LF	Up To 1/4" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) .....	9.88		
		<i>For V-Grooving Crack With Grinder, Add</i> .....	7.11		
03 01 30 71-0030	LF	>1/4" To 1/2" Wide, Non-Sag Elastomeric Polyurethane Sealant, Gravity Fed Non Structural Crack Repair For Concrete, Surface Applied With Cartridge Tool (Sikaflex® Concrete Fix) .....	13.58		
		<i>For V-Grooving Crack With Grinder, Add</i> .....	6.93		
03 01 30 71-0031		<b>Pressure Injected, Non-Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0021)</small>			
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with polyurethane and restoring the sealed surface to flush conditions. Excludes disposal.			
03 01 30 71-0032	LF	Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (SealBoss 1570) .....	36.51		
		<i>For Cracks Accessible From Both Sides, Add</i> .....	7.41		
03 01 30 71-0033		<b>Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0020)</small>			
03 01 30 71-0034		<b>Surface Applied, Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0033)</small>			
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Excludes disposal.			
03 01 30 71-0035	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35) .....	9.97		
		<i>For V-Grooving Crack With Grinder, Add</i> .....	7.11		
03 01 30 71-0036	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 35) .....	13.77		
		<i>For V-Grooving Crack With Grinder, Add</i> .....	6.93		
03 01 30 71-0037	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied Trowel (Sikadur® 52) .....	9.77		
		<i>For V-Grooving Crack With Grinder, Add</i> .....	7.11		
03 01 30 71-0038	LF	>1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Trowel (Sikadur® 52) .....	13.37		
		<i>For V-Grooving Crack With Grinder, Add</i> .....	6.93		
03 01 30 71-0039	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) .....	11.45		
		<i>For V-Grooving Crack With Grinder, Add</i> .....	7.11		
03 01 30 71-0040	LF	>1/4" To 1/2" Wide, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Concrete, Surface Applied With Caulk Gun (Sikadur® Crack Fix) .....	16.74		
		<i>For V-Grooving Crack With Grinder, Add</i> .....	6.93		
03 01 30 71-0041		<b>Pressure Injected, Structural Crack Repair For Concrete</b> <small>(03 01 30 71-0033)</small>			
		Note: Includes removing all debris and contaminants accessible within the crack using hand tools, water blasting, compressed air or vacuuming. Includes installing injection ports, sealing the crack opening (one side only), injecting the crack with epoxy and restoring the sealed surface to flush conditions. Excludes disposal.			
03 01 30 71-0042	LF	Up To 1/4" Wide, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 35) .....	32.46		
		<i>For Cracks Accessible From Both Sides, Add</i> .....	7.41		
03 01 30 71-0043	LF	Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Concrete, Installed With Automated Injection Equipment (Sikadur® 52) .....	32.26		
		<i>For Cracks Accessible From Both Sides, Add</i> .....	7.41		
03 01 30 71-0044		<b>Spall Concrete Repair</b> <small>(03 01 30 71-0001)</small>			
		Note: Includes removal of defective concrete with chipping hammers, water blasting, cleaning of rebar, formwork, cementitious mortar, curing, and finishing.			
03 01 30 71-0045	SF	Spall Concrete Repair, Up To 3/4" Deep On Vertical/Overhead Surfaces .....	119.07		
		<i>For Up To 100, Add</i> .....	85.94		
		<i>For &gt;100 To 250, Add</i> .....	42.97		
03 01 30 71-0046	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Vertical/Overhead Surfaces .....	136.29		
		<i>For Up To 100, Add</i> .....	95.49		
		<i>For &gt;100 To 250, Add</i> .....	47.75		
03 01 30 71-0047	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Vertical/Overhead Surfaces .....	204.44		
		<i>For Up To 100, Add</i> .....	143.24		
		<i>For &gt;100 To 250, Add</i> .....	71.62		
03 01 30 71-0048	SF	Spall Concrete Repair, >3" To 4" Deep On Vertical/Overhead Surfaces .....	266.20		
		<i>For Up To 100, Add</i> .....	186.20		
		<i>For &gt;100 To 250, Add</i> .....	93.10		
03 01 30 71-0049	SF	Spall Concrete Repair, Up To 3/4" Deep On Floor Surfaces .....	84.69		
		<i>For Up To 100, Add</i> .....	60.16		
		<i>For &gt;100 To 250, Add</i> .....	30.08		
03 01 30 71-0050	SF	Spall Concrete Repair, >3/4" To 1-1/2" Deep On Floor Surfaces .....	98.09		
		<i>For Up To 100, Add</i> .....	66.84		
		<i>For &gt;100 To 250, Add</i> .....	33.42		
03 01 30 71-0051	SF	Spall Concrete Repair, >1-1/2" To 3" Deep On Floor Surfaces .....	147.14		
		<i>For Up To 100, Add</i> .....	100.26		
		<i>For &gt;100 To 250, Add</i> .....	50.13		
03 01 30 71-0052	SF	Spall Concrete Repair, >3" To 4" Deep On Floor Surfaces .....	191.72		
		<i>For Up To 100, Add</i> .....	130.34		
		<i>For &gt;100 To 250, Add</i> .....	65.17		
03 01 30 71-0053		<b>Concrete Rehabilitation</b> <small>(03 01 30 71)</small>			
03 01 30 71-0054		<b>Concrete Crack Repair</b> <small>(03 01 30 71-0053)</small>			
03 01 30 71-0055		<b>Decks Or Floors, Dormant Concrete Crack Repair</b> <small>(03 01 30 71-0054)</small>			
		Note: Includes removing loose materials and cleaning.			
03 01 30 71-0056	CF	Epoxy Injection, Decks Or Floors, Dormant Concrete Crack Repair .....	1,023.19		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 01 30 71-0057	CF	Semi Flexible Polymer, Decks Or Floors, Dormant Concrete Crack Repair .....	755.86
03 01 30 71-0058		<b>Decks Or Floors, Active Concrete Crack Repair</b> (03 01 30 71-0054) Note: Includes chipping, routing, drilling, removing loose materials and cleaning.	
03 01 30 71-0059	CF	Epoxy Injection, Decks Or Floors, Active Concrete Crack Repair .....	1,125.86
03 01 30 71-0060	CF	Semi Flexible Polymer, Decks Or Floors, Active Concrete Crack Repair .....	858.53
03 01 30 71-0061		<b>Verticals And Overheads, Dormant Concrete Crack Repair</b> (03 01 30 71-0054) Note: Includes removing loose materials and cleaning.	
03 01 30 71-0062	CF	Epoxy Injection, Verticals And Overheads, Dormant Concrete Crack Repair.....	1,160.08
03 01 30 71-0063	CF	Semi Flexible Polymer, Verticals And Overheads, Dormant Concrete Crack Repair.....	892.75
03 01 30 71-0064		<b>Verticals And Overheads, Active Concrete Crack Repair</b> (03 01 30 71-0054) Note: Includes chipping, routing, drilling, removing loose materials and cleaning.	
03 01 30 71-0065	CF	Epoxy Injection, Verticals And Overheads, Active Concrete Crack Repair.....	1,320.70
03 01 30 71-0066	CF	Semi Flexible Polymer, Verticals And Overheads, Active Concrete Crack Repair.....	1,053.37
03 01 30 71-0067		<b>Stitched Concrete Crack Repair</b> (03 01 30 71-0054) Note: Includes chipping, routing, drilling, removing loose materials, cleaning and rebar.	
03 01 30 71-0068	CF	Epoxy Injection, Stitched Concrete Crack Repair .....	1,462.33
03 01 30 71-0069		<b>Fiberglass Reinforced Polyester (FRP) Lining In Concrete Pit</b> (03 01 30 71-0053) Note: Sodium Hypochlorite storage pit.	
03 01 30 71-0070	DAY	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Inspection, Two Person Crew.....	1,300.00
03 01 30 71-0071	SF	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Repairs, Inner Surface And Interior Layer Repair..... Note: 50 SF minimum	109.95
03 01 30 71-0072	SF	Concrete Pit Fiberglass Reinforced Polyester (FRP) Lining Replacement .....	133.72
		Note: Includes sandblasting, priming, lining and top coating. Excludes disposal of sandblasting sand.	

**03 01 30 72 Strengthening Of Cast-in-Place Concrete** (03 01 30)

03 01 30 72-0001		Concrete Surface Repairs (03 01 30 72)	
03 01 30 72-0002	SF	Sound The Concrete Surface To Locate Delaminated Areas .....	0.52

**03 05 Common Work Results For Concrete** (03)

**03 05 13 Concrete Admixtures** (03 05)

03 05 13 00-0001		Concrete Admixtures (03 05 13)	
03 05 13 00-0002	CY	Low Range Water Reducing (LRWR), Type A Concrete Admixture .....	6.75
03 05 13 00-0003	CY	Set Retarding, Type B Concrete Admixture .....	4.67
03 05 13 00-0004	CY	1% Calcium Chloride Accelerating, Type C Concrete Admixture.....	7.27
03 05 13 00-0005	CY	2% Calcium Chloride Accelerating, Type C Concrete Admixture.....	14.53
03 05 13 00-0006	CY	1% Non-Chloride Accelerating, Type C Concrete Admixture.....	12.98
03 05 13 00-0007	CY	2% Non-Chloride Accelerating, Type C Concrete Admixture.....	25.96
03 05 13 00-0008	CY	1% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture.....	5.61
03 05 13 00-0009	CY	2% Water Reducing and Retarding (Hydration Stabilizer), Type D Concrete Admixture .....	10.93
03 05 13 00-0010	CY	1% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	7.79
03 05 13 00-0011	CY	2% Water Reducing and Accelerating (High Early Strength), Type E Concrete Admixture .....	15.57
03 05 13 00-0012	CY	Mid Range Water Reducing (MRWR) Superplasticizer, Type A Or E Concrete Admixture .....	5.19
03 05 13 00-0013	CY	High Range Water Reducing (HRWR) Superplasticizer, Type F Concrete Admixture.....	12.46
03 05 13 00-0014	CY	1 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	11.07
03 05 13 00-0015	CY	1-1/2 LB/CY Polyethylene, Polypropylene, Nylon, Synthetic Plastic Fibers, Concrete Admixture .....	16.61
03 05 13 00-0016	CY	25 LB/CY Steel Fibers, Concrete Admixture.....	47.69
03 05 13 00-0017	CY	10% Microsilica (Silica Fume), Concrete Admixture .....	83.06
03 05 13 00-0018	CY	Corrosion Inhibiting Concrete Admixture .....	31.15
03 05 13 00-0019	CY	Winter Service Or Heat, Concrete Add .....	16.61
03 05 13 00-0020	CY	Chilled Water, Concrete Add .....	16.61
03 05 13 00-0021	CY	Subtle Color (See Davis Colors Color Card), Concrete Admixture .....	37.77
03 05 13 00-0022	CY	Standard Color (See Davis Colors Color Card), Concrete Admixture.....	62.95
03 05 13 00-0023	CY	Premium Color (See Davis Colors Color Card), Concrete Admixture .....	120.86
03 05 13 00-0024	CY	Ultra Premium Color (See Davis Colors Color Card), Concrete Admixture .....	167.86

**03 10 Concrete Forming and Accessories** (03)

**03 11 Concrete Forming** (03 10)

**03 11 13 Structural Cast-In-Place Concrete Forming** (03 11)  
Note: Per square foot of formwork.

03 11 13 00-0001		Wood Formwork (03 11 13) Note: For job built wood and/or plywood form systems where metal framed formwork cannot be used. Includes erecting, stripping, stacking, plywood, framing lumber, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.	
03 11 13 00-0002		Foundation Wood Formwork (03 11 13 00-0001) Note: For foundation work below or at grade.	

**03 Concrete****03 10 Concrete Forming and Accessories****03 11 Concrete Forming**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 11 13 00-0003	SF	Continuous Footings Foundation Wood Formwork.....	9.86	
		<i>For &lt;1,000, Add</i>	1.87	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.82	
		<i>For Curved Formwork, Add</i>	3.64	
03 11 13 00-0004	SF	Pile Cap, Pier Or Spread Footings Foundation Wood Formwork.....	11.79	
		<i>For &lt;1,000, Add</i>	2.25	
		<i>For Foundations &gt;8' Below Grade, Add</i>	2.20	
		<i>For Curved Formwork, Add</i>	4.40	
03 11 13 00-0005	SF	Mat Foundation Wood Formwork.....	13.79	
		<i>For &lt;1,000, Add</i>	2.65	
		<i>For Foundations &gt;8' Below Grade, Add</i>	2.60	
		<i>For Curved Formwork, Add</i>	5.20	
03 11 13 00-0006	SF	Grade Beams Or Duct Bank Foundation Wood Formwork .....	11.38	
		<i>For &lt;1,000, Add</i>	2.17	
		<i>For Foundations &gt;8' Below Grade, Add</i>	2.12	
		<i>For Curved Formwork, Add</i>	4.23	
03 11 13 00-0007	SF	Below Grade Walls Foundation Wood Formwork .....	16.12	
		Note: Excludes footing		
		<i>For &lt;1,000, Add</i>	3.07	
		<i>For Foundations &gt;8' Below Grade, Add</i>	2.99	
		<i>For Curved Formwork, Add</i>	5.99	
<b>03 11 13 00-0008</b>		<b>Slab Edge And Block-Out Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0009	LF	Up To 6" High Slab Edge and Block-Out Wood Formwork .....	7.68	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.46	
		<i>For Curved Formwork, Add</i>	2.91	
		<i>For Up To 250, Add</i>	1.48	
03 11 13 00-0010	LF	>6" To 12" High Slab Edge and Block-Out Wood Formwork .....	10.93	
		<i>For Foundations &gt;8' Below Grade, Add</i>	2.03	
		<i>For Curved Formwork, Add</i>	4.05	
		<i>For Up To 250, Add</i>	2.08	
03 11 13 00-0011	SF	>12" High Slab Edge and Block-Out Wood Formwork.....	14.14	
		<i>For Foundations &gt;8' Below Grade, Add</i>	2.63	
		<i>For Curved Formwork, Add</i>	5.25	
		<i>For &lt;1,000, Add</i>	2.69	
<b>03 11 13 00-0012</b>		<b>Column Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0013	LF	Up To 8" Square Column Wood Formwork.....	58.96	
03 11 13 00-0014	LF	>8" To 12" Square Column Wood Formwork.....	85.88	
03 11 13 00-0015	LF	>12" To 18" Square Column Wood Formwork.....	108.36	
03 11 13 00-0016	LF	>18" To 24" Square Column Wood Formwork.....	156.15	
03 11 13 00-0017	LF	>24" To 36" Square Column Wood Formwork.....	224.35	
03 11 13 00-0018	LF	>36" To 48" Square Column Wood Formwork.....	297.12	
<b>03 11 13 00-0019</b>		<b>Above Grade Wall Wood Formwork</b> (03 11 13 00-0001)		
03 11 13 00-0020	SF	Up To 8' High Above Grade Wall Wood Formwork.....	18.05	
		<i>For Curved Formwork, Add</i>	6.76	
		<i>For &lt;1,000, Add</i>	3.46	
03 11 13 00-0021	SF	>8' High Above Grade Wall Wood Formwork .....	21.38	
		<i>For Curved Formwork, Add</i>	8.03	
		<i>For &lt;1,000, Add</i>	4.10	
<b>03 11 13 00-0022</b>		<b>Elevated Beam Wood Formwork</b> (03 11 13 00-0001)		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
03 11 13 00-0023	SF	Bottom of Elevated Beam Wood Formwork .....	23.76	
		<i>For Curved Formwork, Add</i>	8.83	
		<i>For &lt;1,000, Add</i>	4.53	
03 11 13 00-0024	SF	Vertical Sides of Elevated Beam Wood Formwork .....	15.00	
		<i>For Curved Formwork, Add</i>	5.63	
		<i>For &lt;1,000, Add</i>	2.88	
<b>03 11 13 00-0025</b>		<b>Elevated Slab Wood Formwork</b> (03 11 13 00-0001)		
		Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
03 11 13 00-0026	SF	Elevated Slab Wood Formwork .....	13.92	
		<i>For &lt;1,000, Add</i>	2.58	
<b>03 11 13 00-0027</b>		<b>Metal Framed Formwork</b> (03 11 13)		
		Note: For all metal framed and metal form systems. Includes erecting, stripping, stacking, oiling, studs/walers, strongbacks, deadmen, supporting braces, turnbuckles, ties, and clips.		
<b>03 11 13 00-0028</b>		<b>Foundation Metal Framed Formwork</b> (03 11 13 00-0027)		
		Note: For foundation work below or at grade.		
03 11 13 00-0029	SF	Continuous Footings Foundation Metal Framed Formwork .....	9.20	
		<i>For &lt;1,000, Add</i>	1.70	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.64	
		<i>For Curved Formwork, Add</i>	3.27	
03 11 13 00-0030	SF	Pile Cap, Pier Or Spread Footings Foundation Metal Framed Formwork.....	10.21	
		<i>For &lt;1,000, Add</i>	1.90	
		<i>For Foundations &gt;8' Below Grade, Add</i>	1.84	
		<i>For Curved Formwork, Add</i>	3.67	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 11 13 00-0031	SF		Mat Foundation Metal Framed Formwork..... <i>For &lt;1,000, Add</i> <i>For Foundations &gt;8' Below Grade, Add</i> <i>For Curved Formwork, Add</i>	11.42 2.11 2.02 4.05	
	03 11 13 00-0032	SF		Grade Beams Or Duct Bank Foundation Metal Framed Formwork ..... <i>For &lt;1,000, Add</i> <i>For Foundations &gt;8' Below Grade, Add</i> <i>For Curved Formwork, Add</i>	9.62 1.78 1.70 3.40	
	03 11 13 00-0033	SF		Below Grade Walls Foundation Metal Framed Formwork ..... Note: Excludes footing. <i>For &lt;1,000, Add</i> <i>For Foundations &gt;8' Below Grade, Add</i> <i>For Curved Formwork, Add</i>	14.71 2.76 2.66 5.33	
<b>03 11 13 00-0034</b>				<b>Slab Edge And Block-Out Metal Framed Formwork</b> (03 11 13 00-0027)		
	03 11 13 00-0035	LF		Up To 6" High Slab Edge and Block-Out Metal Framed Formwork ..... <i>For Foundations &gt;8' Below Grade, Add</i> <i>For Curved Formwork, Add</i> <i>For &lt;250, Add</i>	6.79 1.33 2.66 1.34	
	03 11 13 00-0036	LF		>6" To 12" High Slab Edge and Block-Out Metal Framed Formwork ..... <i>For Foundations &gt;8' Below Grade, Add</i> <i>For Curved Formwork, Add</i> <i>For &lt;250, Add</i>	8.49 1.65 3.30 1.67	
	03 11 13 00-0037	SF		>12" High Slab Edge and Block-Out Metal Framed Formwork..... <i>For Foundations &gt;8' Below Grade, Add</i> <i>For Curved Formwork, Add</i> <i>For &lt;1,000, Add</i>	9.40 1.82 3.65 1.84	
<b>03 11 13 00-0038</b>				<b>Column Metal Framed Formwork</b> (03 11 13 00-0027)		
<b>03 11 13 00-0039</b>				<b>Square Columns</b> (03 11 13 00-0038)		
	03 11 13 00-0040	LF		Up To 12" Square Column Metal Framed Formwork.....	57.05	
	03 11 13 00-0041	LF		>12" To 16" Square Column Metal Framed Formwork .....	68.86	
	03 11 13 00-0042	LF		>16" To 20" Square Column Metal Framed Formwork .....	80.68	
	03 11 13 00-0043	LF		>20" To 24" Square Column Metal Framed Formwork .....	96.46	
	03 11 13 00-0044	LF		>24" To 30" Square Column Metal Framed Formwork .....	116.15	
	03 11 13 00-0045	LF		>30" To 36" Square Column Metal Framed Formwork .....	139.39	
	03 11 13 00-0046	LF		>36" To 48" Square Column Metal Framed Formwork .....	178.81	
	03 11 13 00-0047	LF		>48" To 60" Square Column Metal Framed Formwork .....	220.43	
<b>03 11 13 00-0048</b>				<b>Round Columns</b> (03 11 13 00-0038)		
	03 11 13 00-0049	LF		Up To 12" Diameter Column Metal Formwork .....	53.98	
	03 11 13 00-0050	LF		>12" To 16" Diameter Column Metal Formwork .....	60.21	
	03 11 13 00-0051	LF		>16" To 20" Diameter Column Metal Formwork .....	69.28	
	03 11 13 00-0052	LF		>20" To 24" Diameter Column Metal Formwork .....	81.08	
	03 11 13 00-0053	LF		>24" To 30" Diameter Column Metal Formwork .....	95.93	
	03 11 13 00-0054	LF		>30" To 36" Diameter Column Metal Formwork .....	110.02	
	03 11 13 00-0055	LF		>36" To 48" Diameter Column Metal Formwork .....	141.82	
	03 11 13 00-0056	LF		>48" To 60" Diameter Column Metal Formwork .....	183.13	
<b>03 11 13 00-0057</b>				<b>Above Grade Wall Metal Framed Formwork</b> (03 11 13 00-0027)		
	03 11 13 00-0058	SF		Up to 8' High Above Grade Wall Metal Framed Formwork ..... <i>For Curved Formwork, Add</i> <i>For &lt;1,000, Add</i>	8.96 3.03 1.61	
	03 11 13 00-0059	SF		>8' High Above Grade Wall Metal Framed Formwork..... <i>For Curved Formwork, Add</i> <i>For &lt;1,000, Add</i>	10.92 3.65 1.94	
<b>03 11 13 00-0060</b>				<b>Elevated Beam Metal Framed Formwork</b> (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated beam.		
	03 11 13 00-0061	SF		Bottom of Elevated Beam Metal Framed Formwork ..... <i>For Curved Formwork, Add</i> <i>For &lt;1,000, Add</i>	8.90 2.83 1.54	
	03 11 13 00-0062	SF		Vertical Sides of Elevated Beam Metal Framed Formwork..... <i>For Curved Formwork, Add</i> <i>For &lt;1,000, Add</i>	6.67 2.22 1.18	
<b>03 11 13 00-0063</b>				<b>Elevated Slab Metal Framed Formwork</b> (03 11 13 00-0027) Note: Includes adjustable shores and column supports and bracing lumber up to 14' for bottom of elevated slab.		
	03 11 13 00-0064	SF		Elevated Slab Metal Framed Formwork..... <i>For &lt;1,000, Add</i>	11.94 1.84	
<b>03 11 13 00-0065</b>				<b>Fiber Tube Formwork</b> (03 11 13) Note: Includes all supporting braces, erecting, aligning, stripping, turnbuckles, ties and clips.		
<b>03 11 13 00-0066</b>				<b>Round Column Fiber Tube Formwork</b> (03 11 13 00-0065)		
	03 11 13 00-0067	LF		6" Diameter Round Fiber Tube Formwork ..... <i>For Plastic Lined, Add</i> <i>For Columns &gt;12' In Length, Add</i>	23.89 0.83 2.39	

**03 Concrete****03 10 Concrete Forming and Accessories****03 11 Concrete Forming**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 11 13 00-0068	LF	8" Diameter Round Fiber Tube Formwork	25.19
		<i>For Plastic Lined, Add</i>	0.99
		<i>For Columns &gt;12' In Length, Add</i>	2.52
03 11 13 00-0069	LF	10" Diameter Round Fiber Tube Formwork	27.98
		<i>For Plastic Lined, Add</i>	1.19
		<i>For Columns &gt;12' In Length, Add</i>	2.80
03 11 13 00-0070	LF	12" Diameter Round Fiber Tube Formwork	34.34
		<i>For Plastic Lined, Add</i>	2.11
		<i>For Columns &gt;12' In Length, Add</i>	3.43
03 11 13 00-0071	LF	14" Diameter Round Fiber Tube Formwork	38.45
		<i>For Plastic Lined, Add</i>	2.67
		<i>For Columns &gt;12' In Length, Add</i>	3.85
03 11 13 00-0072	LF	16" Diameter Round Fiber Tube Formwork	41.71
		<i>For Plastic Lined, Add</i>	3.33
		<i>For Columns &gt;12' In Length, Add</i>	4.17
03 11 13 00-0073	LF	18" Diameter Round Fiber Tube Formwork	44.78
		<i>For Plastic Lined, Add</i>	3.89
		<i>For Columns &gt;12' In Length, Add</i>	4.48
03 11 13 00-0074	LF	20" Diameter Round Fiber Tube Formwork	50.62
		<i>For Plastic Lined, Add</i>	5.29
		<i>For Columns &gt;12' In Length, Add</i>	5.06
03 11 13 00-0075	LF	22" Diameter Round Fiber Tube Formwork	53.00
		<i>For Plastic Lined, Add</i>	5.51
		<i>For Columns &gt;12' In Length, Add</i>	5.30
03 11 13 00-0076	LF	24" Diameter Round Fiber Tube Formwork	55.67
		<i>For Plastic Lined, Add</i>	5.81
		<i>For Columns &gt;12' In Length, Add</i>	5.57
03 11 13 00-0077	LF	26" Diameter Round Fiber Tube Formwork	57.85
		<i>For Plastic Lined, Add</i>	6.27
		<i>For Columns &gt;12' In Length, Add</i>	5.79
03 11 13 00-0078	LF	28" Diameter Round Fiber Tube Formwork	60.04
		<i>For Plastic Lined, Add</i>	6.73
		<i>For Columns &gt;12' In Length, Add</i>	6.00
03 11 13 00-0079	LF	30" Diameter Round Fiber Tube Formwork	62.24
		<i>For Plastic Lined, Add</i>	7.19
		<i>For Columns &gt;12' In Length, Add</i>	6.22
03 11 13 00-0080	LF	36" Diameter Round Fiber Tube Formwork	71.48
		<i>For Plastic Lined, Add</i>	9.25
		<i>For Columns &gt;12' In Length, Add</i>	7.15
03 11 13 00-0081	LF	42" Diameter Round Fiber Tube Formwork	109.96
		<i>For Plastic Lined, Add</i>	20.28
		<i>For Columns &gt;12' In Length, Add</i>	11.00
03 11 13 00-0082	LF	48" Diameter Round Fiber Tube Formwork	133.04
		<i>For Plastic Lined, Add</i>	26.69
		<i>For Columns &gt;12' In Length, Add</i>	13.30
03 11 13 00-0083	LF	54" Diameter Round Fiber Tube Formwork	235.98
		<i>For Plastic Lined, Add</i>	56.74
		<i>For Columns &gt;12' In Length, Add</i>	23.60
03 11 13 00-0084	LF	60" Diameter Round Fiber Tube Formwork	262.41
		<i>For Plastic Lined, Add</i>	64.04
		<i>For Columns &gt;12' In Length, Add</i>	26.24
03 11 13 00-0085		Accessories For Formwork (03 11 13)	
03 11 13 00-0086		Keyway Forms, All Materials (03 11 13 00-0085)	
03 11 13 00-0087	LF	2" x 4" To 2" x 6" Keyway Forms for Concrete Formwork, All Materials	2.70
03 11 13 00-0088		Chamfer Strips, All Materials (03 11 13 00-0085)	
03 11 13 00-0089	LF	1/2" Wide Chamfer Strips for Concrete Formwork, All Materials	2.85
03 11 13 00-0090	LF	3/4" Wide Chamfer Strips for Concrete Formwork, All Materials	3.29
03 11 13 00-0091	LF	1" Wide Chamfer Strips for Concrete Formwork, All Materials	3.81
03 11 13 00-0092		Strip Out Reglets For Concrete Formwork (03 11 13 00-0085)	
03 11 13 00-0093	LF	24 To 26 Gauge Galvanized Steel, Strip Out Reglets For Concrete Formwork	14.42
03 11 13 00-0094		Sleeves And Chases, Plastic Or Sheet Metal (03 11 13 00-0085)	
03 11 13 00-0095	EA	2" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	18.38
03 11 13 00-0096	EA	4" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	23.18
03 11 13 00-0097	EA	6" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	28.12
03 11 13 00-0098	EA	8" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	33.66
03 11 13 00-0099	EA	12" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	43.88
03 11 13 00-0100	EA	18" Diameter Sleeves Or Chases for Concrete Formwork, Plastic or Sheet Metal	110.03
03 11 16		Architectural Cast-In-Place Concrete Forming (03 11)	
03 11 16 13		Concrete Form Liners (03 11 16)	
03 11 16 13-0001		Concrete Form Liners (03 11 16 13)	
03 11 16 13-0002	SF	Concrete Form Liner, Various Patterns And Textures, Add To Formwork	6.57
03 11 23		Permanent Stair Forming (03 11)	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 11 23 00-001 Stairway Wood Formwork (03 11 23)</b>		
03 11 23 00-002	SF Cast On Grade Stairway Wood Formwork.....	23.22
	For Curved Formwork, Add	9.02
	For <1,000, Add	4.56
03 11 23 00-003	SF Elevated Stairway Wood Formwork.....	45.87
	Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.	
	For Curved Formwork, Add	17.51
	For <1,000, Add	8.90
<b>03 11 23 00-004 Stairway Metal Framed Formwork (03 11 23)</b>		
03 11 23 00-005	SF Cast On Grade Stairway Metal Framed Formwork.....	19.35
	For Curved Formwork, Add	7.36
	For <1,000, Add	3.74
03 11 23 00-006	SF Elevated Stairway Metal Framed Formwork.....	35.86
	Note: Includes adjustable column supports and bracing lumber up to 14' for bottom of elevated stair.	
	For Curved Formwork, Add	13.66
	For <1,000, Add	6.94

**03 15 Concrete Accessories (03 10)**

**03 15 13 Waterstops (03 15)**

**03 15 13 13 Non-Expanding Waterstops (03 15 13)**

<b>03 15 13 13-001 Polyvinyl Chloride (PVC) Waterstops (03 15 13 13)</b>		
03 15 13 13-0002	LF 3/16" Thick x 4" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	11.89
03 15 13 13-0003	LF 3/16" Thick x 6" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	13.64
03 15 13 13-0004	LF 3/16" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	17.10
03 15 13 13-0005	LF 3/8" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	19.10
03 15 13 13-0006	LF 1/2" Thick x 9" Wide Ribbed Polyvinyl Chloride (PVC) Waterstop.....	31.60
03 15 13 13-0007	LF 3/16" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	14.66
03 15 13 13-0008	LF 3/8" Thick x 6" Wide Dumbbell Polyvinyl Chloride (PVC) Waterstop.....	17.86
03 15 13 13-0009	LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop.....	35.05
03 15 13 13-0010	LF 3/8" Thick x 9" Wide Plain Polyvinyl Chloride (PVC) Waterstop With Center Bulb.....	26.46

**03 15 13 13-0011 Rubber Waterstops (03 15 13 13)**

03 15 13 13-0012	LF 3/8" Thick x 6" Wide Rubber Dumbbell Waterstop.....	11.54
03 15 13 13-0013	LF 3/8" Thick x 9" Wide Rubber Dumbbell Waterstop.....	13.12
03 15 13 13-0014	LF 1/4" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	11.71
03 15 13 13-0015	LF 1/4" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	15.61
03 15 13 13-0016	LF 3/8" Thick x 6" Wide Rubber Waterstop, With Center Bulb.....	13.38
03 15 13 13-0017	LF 3/8" Thick x 9" Wide Rubber Waterstop, With Center Bulb.....	16.76

**03 15 13 13-0018 Closed Cell Foam Waterstops (03 15 13 13)**

03 15 13 13-0019	LF Waterstop; Closed-Cell, Foamed, Cross-Linked Ethylene Vinyl Acetate, Gray, Epoxy Bonding Agent.....	27.42
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**03 15 13 16 Expanding Waterstops (03 15 13)**

**03 15 13 16-0001 Bentonite Waterstops (03 15 13 16)**

03 15 13 16-0002	LF 3/4" x 3/8" Bentonite Waterstop.....	11.08
03 15 13 16-0003	LF 1-1/4" x 1/2" Bentonite Waterstop.....	17.87
03 15 13 16-0004	LF 1" x 3/4" Bentonite Waterstop.....	20.31
03 15 13 16-0005	LF 1" x 1" Bentonite Waterstop.....	23.47

**03 15 16 Concrete Construction Joints (03 15)**

**03 15 16 00-0001 Poured Expansion Joint (03 15 16)**

03 15 16 00-0002	LF 1/2" x 1" Plain Asphalt Expansion Joint, Poured.....	4.01	
	For Installation In Walls, Add	2.06	
03 15 16 00-0003	LF 1" x 2" Plain Asphalt Expansion Joint, Poured.....	8.21	1.23
	For Installation In Walls, Add	2.31	
03 15 16 00-0004	LF 1/2" x 1" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	3.86	1.23
	For Installation In Walls, Add	2.06	
03 15 16 00-0005	LF 1" x 2" Liquid Neoprene Expansion Joint, Poured, Cold Applied.....	7.59	1.23
	For Installation In Walls, Add	2.31	
03 15 16 00-0006	LF 1/2" x 1" Polyurethane Expansion Joint, Poured, 2 Parts.....	5.16	1.23
	For Installation In Walls, Add	2.31	
03 15 16 00-0007	LF 1" x 2" Polyurethane Expansion Joint, Poured, Poured, 2 Parts.....	9.16	1.23
	For Installation In Walls, Add	3.76	
03 15 16 00-0008	LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Or Cold Applied.....	4.38	1.23
	For Installation In Walls, Add	2.06	
03 15 16 00-0009	LF 1/2" x 1" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	5.23	1.23
	For Installation In Walls, Add	2.06	
03 15 16 00-0010	LF 1" x 2" Rubberized Asphalt Expansion Joint, Poured, Hot Applied Fuel Resistant.....	12.61	1.23
	For Installation In Walls, Add	2.31	

**03 15 16 00-0011 Premolded Expansion Joints (03 15 16)**

**03 15 16 00-0012 Asphalt Saturated Fiber, Premolded Expansion Joints (03 15 16 00-0011)**

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 15 16 00-0013	LF	1/4" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.95	1.37
03 15 16 00-0014	LF	1/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.37	1.43
03 15 16 00-0015	LF	1/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.63	1.50
03 15 16 00-0016	LF	1/4" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.91	1.57
03 15 16 00-0017	LF	3/8" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.21	1.37
03 15 16 00-0018	LF	3/8" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.58	1.43
03 15 16 00-0019	LF	3/8" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.01	1.50
03 15 16 00-0020	LF	3/8" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.63	1.57
03 15 16 00-0021	LF	1/2" x 2" Asphalt Saturated Fiber, Premolded Expansion Joint .....	2.92	1.30
03 15 16 00-0022	LF	1/2" x 3" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.17	1.37
03 15 16 00-0023	LF	1/2" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.47	1.43
03 15 16 00-0024	LF	1/2" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.73	1.50
03 15 16 00-0025	LF	1/2" x 6" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.05	1.57
03 15 16 00-0026	LF	1/2" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.49	1.64
03 15 16 00-0027	LF	1/2" x 10" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.83	1.71
03 15 16 00-0028	LF	1/2" x 12" Asphalt Saturated Fiber, Premolded Expansion Joint .....	5.42	1.77
03 15 16 00-0029	LF	3/4" x 4" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.50	1.43
03 15 16 00-0030	LF	3/4" x 5" Asphalt Saturated Fiber, Premolded Expansion Joint .....	3.99	1.50
03 15 16 00-0031	LF	3/4" x 8" Asphalt Saturated Fiber, Premolded Expansion Joint .....	4.88	1.64
03 15 16 00-0032	SF	1" Asphalt Saturated Fiber, Premolded Expansion Joint .....	8.41	2.26

**03 15 16 00-0033 Cork, Premolded Expansion Joints (03 15 16 00-0011)**

03 15 16 00-0034	LF	1/2" x 4" Cork, Premolded Expansion Joint .....	4.97	1.43
03 15 16 00-0035	LF	1/2" x 6" Cork, Premolded Expansion Joint .....	5.58	1.57
03 15 16 00-0036	LF	1/2" x 8" Cork, Premolded Expansion Joint .....	6.06	1.64
03 15 16 00-0037	LF	1/2" x 10" Cork, Premolded Expansion Joint .....	8.46	1.71
03 15 16 00-0038	LF	1/2" x 12" Cork, Premolded Expansion Joint .....	9.00	1.77
03 15 16 00-0039	SF	1/2" Cork, Premolded Expansion Joint .....	9.96	2.26
03 15 16 00-0040	SF	3/4" Cork, Premolded Expansion Joint .....	11.52	2.26
03 15 16 00-0041	SF	1" Cork, Premolded Expansion Joint .....	12.24	2.26

**03 15 16 00-0042 Flexible Polyethylene Foam, Premolded Expansion Joints (03 15 16 00-0011)**

03 15 16 00-0043	LF	1/4" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.20	1.43
03 15 16 00-0044	LF	1/4" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.33	1.50
03 15 16 00-0045	LF	1/4" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.52	1.57
03 15 16 00-0046	LF	1/4" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	4.08	1.64
03 15 16 00-0047	LF	1/2" x 4" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.29	1.43
03 15 16 00-0048	LF	1/2" x 5" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.43	1.50
03 15 16 00-0049	LF	1/2" x 6" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.58	1.57
03 15 16 00-0050	LF	1/2" x 8" Flexible Polyethylene Foam, Premolded Expansion Joint .....	3.93	1.64

**03 15 16 00-0051 Zip Strip, Premolded Expansion Joints (03 15 16 00-0011)**

03 15 16 00-0052	LF	1" Zip Strip, Premolded Expansion Joint .....	3.23	1.43
03 15 16 00-0053	LF	1-1/2" Zip Strip, Premolded Expansion Joint .....	3.52	1.50
03 15 16 00-0054	LF	2" Zip Strip, Premolded Expansion Joint .....	3.92	1.64

**03 15 16 00-0055 Sponge Rubber, Premolded Expansion Joints (03 15 16 00-0011)**

03 15 16 00-0056	LF	1/2" x 4" Sponge Rubber, Premolded Expansion Joint .....	5.08	1.37
03 15 16 00-0057	LF	1/2" x 6" Sponge Rubber, Premolded Expansion Joint .....	6.09	1.37

**03 15 16 00-0058 Asphalt Felt Control Joints Or Bond Breaker (03 15 16)**

03 15 16 00-0059	SF	Asphalt Felt Control Joint, 30 LB Felt Bond Breaker .....	1.54	1.03
		>1,250, Deduct .....	-0.08	
03 15 16 00-0060	SF	Asphalt Felt Control Joint, 15 LB Felt Bond Breaker .....	1.45	1.03
		>1,250, Deduct .....	-0.07	

**03 15 16 00-0061 Keyed Cold Expansion And Control Joints (03 15 16)****03 15 16 00-0062 24 Gauge Galvanized Steel With Stakes (03 15 16 00-0061)**

03 15 16 00-0063	LF	24 Gauge Galvanized Steel Keyed Joint, 3-1/2" Cold Expansion Or Control Joint .....	7.53	
03 15 16 00-0064	LF	24 Gauge Galvanized Steel Keyed Joint, 4-1/2" Cold Expansion Or Control Joint .....	7.63	
03 15 16 00-0065	LF	24 Gauge Galvanized Steel Keyed Joint, 5-1/2" Cold Expansion Or Control Joint .....	7.89	
03 15 16 00-0066	LF	24 Gauge Galvanized Steel Keyed Joint, 7-1/2" Cold Expansion Or Control Joint .....	8.30	
03 15 16 00-0067	LF	24 Gauge Galvanized Steel Keyed Joint, 9-1/2" Cold Expansion Or Control Joint .....	9.95	

**03 15 19 Cast-In Concrete Anchors (03 15)****03 15 19 00-0001 Cast In Place Anchors (03 15 19)**

Note: For cast in place installations. Includes nut and washer.

**03 15 19 00-0002 J-Type Anchor Bolts (03 15 19 00-0001)**

See CSI section 03 11 13 00-0002 for template.

**03 15 19 00-0003 1/2" And 5/8" Diameter (03 15 19 00-0002)**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0004	EA			1/2" Diameter x 6" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	14.51	
				For Galvanized, Add	3.37	
				For Stainless Steel, Add	23.56	
				For >10 To 50, Deduct	-0.39	
				For >50 To 100, Deduct	-0.95	
				For >100, Deduct	-1.89	
03 15 19 00-0005	EA			1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	16.95	
				For Galvanized, Add	4.29	
				For Stainless Steel, Add	30.03	
				For >10 To 50, Deduct	-0.42	
				For >50 To 100, Deduct	-1.05	
				For >100, Deduct	-2.10	
03 15 19 00-0006	EA			1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	20.89	
				For Galvanized, Add	5.91	
				For Stainless Steel, Add	41.37	
				For >10 To 50, Deduct	-0.45	
				For >50 To 100, Deduct	-1.20	
				For >100, Deduct	-2.41	
03 15 19 00-0007	EA			5/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	24.51	
				For Galvanized, Add	7.72	
				For Stainless Steel, Add	54.04	
				For >10 To 50, Deduct	-0.45	
				For >50 To 100, Deduct	-1.29	
				For >100, Deduct	-2.59	
03 15 19 00-0008	EA			5/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	30.50	
				For Galvanized, Add	10.31	
				For Stainless Steel, Add	72.14	
				For >10 To 50, Deduct	-0.49	
				For >50 To 100, Deduct	-1.50	
				For >100, Deduct	-3.01	
03 15 19 00-0009	EA			5/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	34.43	
				For Galvanized, Add	11.78	
				For Stainless Steel, Add	82.43	
				For >10 To 50, Deduct	-0.54	
				For >50 To 100, Deduct	-1.68	
				For >100, Deduct	-3.35	
<b>03 15 19 00-0010</b>				<b>3/4" And 7/8" Diameter</b> (03 15 19 00-0002) .....		
03 15 19 00-0011	EA			3/4" Diameter x 8" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	34.27	
				For Galvanized, Add	11.70	
				For Stainless Steel, Add	81.87	
				For >10 To 50, Deduct	-0.54	
				For >50 To 100, Deduct	-1.67	
				For >100, Deduct	-3.35	
03 15 19 00-0012	EA			3/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	39.35	
				For Galvanized, Add	13.63	
				For Stainless Steel, Add	95.41	
				For >10 To 50, Deduct	-0.60	
				For >50 To 100, Deduct	-1.89	
				For >100, Deduct	-3.78	
03 15 19 00-0013	EA			3/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	48.50	
				For Galvanized, Add	17.46	
				For Stainless Steel, Add	122.19	
				For >10 To 50, Deduct	-0.68	
				For >50 To 100, Deduct	-2.23	
				For >100, Deduct	-4.46	
03 15 19 00-0014	EA			3/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	59.24	
				For Galvanized, Add	22.00	
				For Stainless Steel, Add	154.00	
				For >10 To 50, Deduct	-0.76	
				For >50 To 100, Deduct	-2.62	
				For >100, Deduct	-5.25	
03 15 19 00-0015	EA			7/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	45.56	
				For Galvanized, Add	15.99	
				For Stainless Steel, Add	111.90	
				For >10 To 50, Deduct	-0.68	
				For >50 To 100, Deduct	-2.16	
				For >100, Deduct	-4.32	
03 15 19 00-0016	EA			7/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	53.82	
				For Galvanized, Add	19.14	
				For Stainless Steel, Add	133.98	
				For >10 To 50, Deduct	-0.78	
				For >50 To 100, Deduct	-2.51	
				For >100, Deduct	-5.02	
03 15 19 00-0017	EA			7/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	69.15	
				For Galvanized, Add	25.51	
				For Stainless Steel, Add	178.57	
				For >10 To 50, Deduct	-0.91	
				For >50 To 100, Deduct	-3.09	
				For >100, Deduct	-6.18	
<b>03 15 19 00-0018</b>				<b>1" And 1-1/8" Diameter</b> (03 15 19 00-0002) .....		
03 15 19 00-0019	EA			1" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	56.89	
				For Galvanized, Add	20.68	
				For Stainless Steel, Add	144.73	
				For >10 To 50, Deduct	-0.78	
				For >50 To 100, Deduct	-2.59	
				For >100, Deduct	-5.18	



**03 Concrete**  
**03 10 Concrete Forming and Accessories**  
**03 15 Concrete Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 15 19 00-0020	EA		1" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	67.89	
			<i>For Galvanized, Add</i>	24.88	
			<i>For Stainless Steel, Add</i>	174.16	
			<i>For &gt;10 To 50, Deduct</i>	-0.91	
			<i>For &gt;50 To 100, Deduct</i>	-3.06	
			<i>For &gt;100, Deduct</i>	-6.11	
03 15 19 00-0021	EA		1" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	84.13	
			<i>For Galvanized, Add</i>	31.19	
			<i>For Stainless Steel, Add</i>	218.33	
			<i>For &gt;10 To 50, Deduct</i>	-1.09	
			<i>For &gt;50 To 100, Deduct</i>	-3.73	
			<i>For &gt;100, Deduct</i>	-7.47	
03 15 19 00-0022	EA		1" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	103.41	
			<i>For Galvanized, Add</i>	38.11	
			<i>For Stainless Steel, Add</i>	266.74	
			<i>For &gt;10 To 50, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-4.63	
			<i>For &gt;100, Deduct</i>	-9.25	
03 15 19 00-0023	EA		1-1/8" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	68.75	
			<i>For Galvanized, Add</i>	25.85	
			<i>For Stainless Steel, Add</i>	180.92	
			<i>For &gt;10 To 50, Deduct</i>	-0.85	
			<i>For &gt;50 To 100, Deduct</i>	-3.00	
			<i>For &gt;100, Deduct</i>	-6.00	
03 15 19 00-0024	EA		1-1/8" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	82.11	
			<i>For Galvanized, Add</i>	31.11	
			<i>For Stainless Steel, Add</i>	217.74	
			<i>For &gt;10 To 50, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-3.55	
			<i>For &gt;100, Deduct</i>	-7.09	
03 15 19 00-0025	EA		1-1/8" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	101.87	
			<i>For Galvanized, Add</i>	38.99	
			<i>For Stainless Steel, Add</i>	272.93	
			<i>For &gt;10 To 50, Deduct</i>	-1.19	
			<i>For &gt;50 To 100, Deduct</i>	-4.34	
			<i>For &gt;100, Deduct</i>	-8.68	
03 15 19 00-0026	EA		1-1/8" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	125.13	
			<i>For Galvanized, Add</i>	47.64	
			<i>For Stainless Steel, Add</i>	333.45	
			<i>For &gt;10 To 50, Deduct</i>	-1.49	
			<i>For &gt;50 To 100, Deduct</i>	-5.37	
			<i>For &gt;100, Deduct</i>	-10.74	
03 15 19 00-0027			<b>1-1/4" And 1-1/2" Diameter</b> <small>(03 15 19 00-0002)</small>		
03 15 19 00-0028	EA		1-1/4" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	83.51	
			<i>For Galvanized, Add</i>	32.31	
			<i>For Stainless Steel, Add</i>	226.14	
			<i>For &gt;10 To 50, Deduct</i>	-0.95	
			<i>For &gt;50 To 100, Deduct</i>	-3.51	
			<i>For &gt;100, Deduct</i>	-7.01	
03 15 19 00-0029	EA		1-1/4" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	99.82	
			<i>For Galvanized, Add</i>	38.89	
			<i>For Stainless Steel, Add</i>	272.20	
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-4.15	
			<i>For &gt;100, Deduct</i>	-8.30	
03 15 19 00-0030	EA		1-1/4" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	123.96	
			<i>For Galvanized, Add</i>	48.75	
			<i>For Stainless Steel, Add</i>	341.25	
			<i>For &gt;10 To 50, Deduct</i>	-1.32	
			<i>For &gt;50 To 100, Deduct</i>	-5.08	
			<i>For &gt;100, Deduct</i>	-10.17	
03 15 19 00-0031	EA		1-1/4" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	152.13	
			<i>For Galvanized, Add</i>	59.54	
			<i>For Stainless Steel, Add</i>	416.75	
			<i>For &gt;10 To 50, Deduct</i>	-1.65	
			<i>For &gt;50 To 100, Deduct</i>	-6.28	
			<i>For &gt;100, Deduct</i>	-12.57	
03 15 19 00-0032	EA		1-1/2" Diameter x 12" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	101.96	
			<i>For Galvanized, Add</i>	40.38	
			<i>For Stainless Steel, Add</i>	282.66	
			<i>For &gt;10 To 50, Deduct</i>	-1.06	
			<i>For &gt;50 To 100, Deduct</i>	-4.14	
			<i>For &gt;100, Deduct</i>	-8.28	
03 15 19 00-0033	EA		1-1/2" Diameter x 18" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	121.93	
			<i>For Galvanized, Add</i>	48.60	
			<i>For Stainless Steel, Add</i>	340.20	
			<i>For &gt;10 To 50, Deduct</i>	-1.24	
			<i>For &gt;50 To 100, Deduct</i>	-4.90	
			<i>For &gt;100, Deduct</i>	-9.81	
03 15 19 00-0034	EA		1-1/2" Diameter x 24" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	151.57	
			<i>For Galvanized, Add</i>	60.95	
			<i>For Stainless Steel, Add</i>	426.62	
			<i>For &gt;10 To 50, Deduct</i>	-1.48	
			<i>For &gt;50 To 100, Deduct</i>	-6.02	
			<i>For &gt;100, Deduct</i>	-12.03	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0035	EA	1-1/2" Diameter x 36" Length, Plain Steel, J-Type Cast In Place Anchor Bolt .....	185.93	
		For Galvanized, Add	74.43	
		For Stainless Steel, Add	520.98	
		For >10 To 50, Deduct	-1.85	
		For >50 To 100, Deduct	-7.43	
		For >100, Deduct	-14.86	
03 15 19 00-0036		L-Type Anchor Bolts <small>(03 15 19 00-0001)</small>		
		See CSI section 03 11 13 00-0002 for template.		
03 15 19 00-0037		3/4" And 7/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0038	EA	3/4" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	29.97	
		For Galvanized, Add	8.94	
		For Stainless Steel, Add	62.58	
		For >10 To 50, Deduct	-0.60	
		For >50 To 100, Deduct	-1.66	
		For >100, Deduct	-3.31	
03 15 19 00-0039	EA	3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	35.67	
		For Galvanized, Add	11.04	
		For Stainless Steel, Add	77.28	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.91	
		For >100, Deduct	-3.82	
03 15 19 00-0040	EA	3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	40.86	
		For Galvanized, Add	12.66	
		For Stainless Steel, Add	88.62	
		For >10 To 50, Deduct	-0.78	
		For >50 To 100, Deduct	-2.19	
		For >100, Deduct	-4.37	
03 15 19 00-0041	EA	3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	44.42	
		For Galvanized, Add	13.15	
		For Stainless Steel, Add	92.02	
		For >10 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.47	
		For >100, Deduct	-4.94	
03 15 19 00-0042	EA	3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	49.34	
		For Galvanized, Add	13.80	
		For Stainless Steel, Add	96.57	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.86	
		For >100, Deduct	-5.73	
03 15 19 00-0043	EA	7/8" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	35.76	
		For Galvanized, Add	11.09	
		For Stainless Steel, Add	77.60	
		For >10 To 50, Deduct	-0.68	
		For >50 To 100, Deduct	-1.91	
		For >100, Deduct	-3.83	
03 15 19 00-0044	EA	7/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	41.37	
		For Galvanized, Add	12.92	
		For Stainless Steel, Add	90.41	
		For >10 To 50, Deduct	-0.78	
		For >50 To 100, Deduct	-2.20	
		For >100, Deduct	-4.40	
03 15 19 00-0045	EA	7/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	47.74	
		For Galvanized, Add	14.81	
		For Stainless Steel, Add	103.64	
		For >10 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.55	
		For >100, Deduct	-5.11	
03 15 19 00-0046	EA	7/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	52.50	
		For Galvanized, Add	15.38	
		For Stainless Steel, Add	107.63	
		For >10 To 50, Deduct	-1.09	
		For >50 To 100, Deduct	-2.94	
		For >100, Deduct	-5.89	
03 15 19 00-0047	EA	7/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	59.50	
		For Galvanized, Add	16.15	
		For Stainless Steel, Add	113.05	
		For >10 To 50, Deduct	-1.36	
		For >50 To 100, Deduct	-3.53	
		For >100, Deduct	-7.06	
03 15 19 00-0048		1" And 1-1/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0049	EA	1" Diameter x 12" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	43.97	
		For Galvanized, Add	14.22	
		For Stainless Steel, Add	99.51	
		For >10 To 50, Deduct	-0.78	
		For >50 To 100, Deduct	-2.26	
		For >100, Deduct	-4.53	
03 15 19 00-0050	EA	1" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt .....	50.10	
		For Galvanized, Add	15.99	
		For Stainless Steel, Add	111.90	
		For >10 To 50, Deduct	-0.91	
		For >50 To 100, Deduct	-2.61	
		For >100, Deduct	-5.22	

## 03 Concrete

## 03 10 Concrete Forming and Accessories

## 03 15 Concrete Accessories

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 15 19 00-0051	EA	1" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	57.50	
		<i>For Galvanized, Add</i>	17.88	
		<i>For Stainless Steel, Add</i>	125.13	
		<i>For &gt;10 To 50, Deduct</i>	-1.09	
		<i>For &gt;50 To 100, Deduct</i>	-3.07	
		<i>For &gt;100, Deduct</i>	-6.14	
03 15 19 00-0052	EA	1" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	61.08	
		<i>For Galvanized, Add</i>	18.72	
		<i>For Stainless Steel, Add</i>	131.01	
		<i>For &gt;10 To 50, Deduct</i>	-1.18	
		<i>For &gt;50 To 100, Deduct</i>	-3.30	
		<i>For &gt;100, Deduct</i>	-6.60	
03 15 19 00-0053	EA	1" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	66.40	
		<i>For Galvanized, Add</i>	19.60	
		<i>For Stainless Steel, Add</i>	137.20	
		<i>For &gt;10 To 50, Deduct</i>	-1.36	
		<i>For &gt;50 To 100, Deduct</i>	-3.70	
		<i>For &gt;100, Deduct</i>	-7.40	
03 15 19 00-0054	EA	1" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	75.64	
		<i>For Galvanized, Add</i>	22.72	
		<i>For Stainless Steel, Add</i>	159.01	
		<i>For &gt;10 To 50, Deduct</i>	-1.51	
		<i>For &gt;50 To 100, Deduct</i>	-4.16	
		<i>For &gt;100, Deduct</i>	-8.31	
03 15 19 00-0055	EA	1" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	89.44	
		<i>For Galvanized, Add</i>	26.59	
		<i>For Stainless Steel, Add</i>	186.10	
		<i>For &gt;10 To 50, Deduct</i>	-1.81	
		<i>For &gt;50 To 100, Deduct</i>	-4.96	
		<i>For &gt;100, Deduct</i>	-9.91	
03 15 19 00-0056	EA	1-1/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	55.52	
		<i>For Galvanized, Add</i>	18.70	
		<i>For Stainless Steel, Add</i>	130.87	
		<i>For &gt;10 To 50, Deduct</i>	-0.91	
		<i>For &gt;50 To 100, Deduct</i>	-2.75	
		<i>For &gt;100, Deduct</i>	-5.50	
03 15 19 00-0057	EA	1-1/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	63.60	
		<i>For Galvanized, Add</i>	20.93	
		<i>For Stainless Steel, Add</i>	146.48	
		<i>For &gt;10 To 50, Deduct</i>	-1.09	
		<i>For &gt;50 To 100, Deduct</i>	-3.22	
		<i>For &gt;100, Deduct</i>	-6.44	
03 15 19 00-0058	EA	1-1/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	67.44	
		<i>For Galvanized, Add</i>	21.90	
		<i>For Stainless Steel, Add</i>	153.27	
		<i>For &gt;10 To 50, Deduct</i>	-1.18	
		<i>For &gt;50 To 100, Deduct</i>	-3.46	
		<i>For &gt;100, Deduct</i>	-6.92	
03 15 19 00-0059		1-1/4" And 1-3/8" Diameter <small>(03 15 19 00-0036)</small>		
03 15 19 00-0060	EA	1-1/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	66.97	
		<i>For Galvanized, Add</i>	22.61	
		<i>For Stainless Steel, Add</i>	158.27	
		<i>For &gt;10 To 50, Deduct</i>	-1.09	
		<i>For &gt;50 To 100, Deduct</i>	-3.31	
		<i>For &gt;100, Deduct</i>	-6.61	
03 15 19 00-0061	EA	1-1/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	80.11	
		<i>For Galvanized, Add</i>	26.46	
		<i>For Stainless Steel, Add</i>	185.19	
		<i>For &gt;10 To 50, Deduct</i>	-1.36	
		<i>For &gt;50 To 100, Deduct</i>	-4.04	
		<i>For &gt;100, Deduct</i>	-8.09	
03 15 19 00-0062	EA	1-1/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	88.57	
		<i>For Galvanized, Add</i>	29.97	
		<i>For Stainless Steel, Add</i>	209.79	
		<i>For &gt;10 To 50, Deduct</i>	-1.43	
		<i>For &gt;50 To 100, Deduct</i>	-4.36	
		<i>For &gt;100, Deduct</i>	-8.72	
03 15 19 00-0063	EA	1-1/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	97.89	
		<i>For Galvanized, Add</i>	33.84	
		<i>For Stainless Steel, Add</i>	236.88	
		<i>For &gt;10 To 50, Deduct</i>	-1.51	
		<i>For &gt;50 To 100, Deduct</i>	-4.71	
		<i>For &gt;100, Deduct</i>	-9.43	
03 15 19 00-0064	EA	1-1/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	107.61	
		<i>For Galvanized, Add</i>	36.81	
		<i>For Stainless Steel, Add</i>	257.64	
		<i>For &gt;10 To 50, Deduct</i>	-1.70	
		<i>For &gt;50 To 100, Deduct</i>	-5.24	
		<i>For &gt;100, Deduct</i>	-10.48	
03 15 19 00-0065	EA	1-1/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	117.68	
		<i>For Galvanized, Add</i>	39.41	
		<i>For Stainless Steel, Add</i>	275.87	
		<i>For &gt;10 To 50, Deduct</i>	-1.94	
		<i>For &gt;50 To 100, Deduct</i>	-5.86	
		<i>For &gt;100, Deduct</i>	-11.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0066	EA		1-1/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	129.70	
			<i>For Galvanized, Add</i>	42.19	
			<i>For Stainless Steel, Add</i>	295.30	
			<i>For &gt;10 To 50, Deduct</i>	-2.27	
			<i>For &gt;50 To 100, Deduct</i>	-6.64	
			<i>For &gt;100, Deduct</i>	-13.28	
03 15 19 00-0067	EA		1-1/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	147.69	
			<i>For Galvanized, Add</i>	46.65	
			<i>For Stainless Steel, Add</i>	326.52	
			<i>For &gt;10 To 50, Deduct</i>	-2.72	
			<i>For &gt;50 To 100, Deduct</i>	-7.77	
			<i>For &gt;100, Deduct</i>	-15.54	
03 15 19 00-0068	EA		1-3/8" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	78.28	
			<i>For Galvanized, Add</i>	28.27	
			<i>For Stainless Steel, Add</i>	197.86	
			<i>For &gt;10 To 50, Deduct</i>	-1.09	
			<i>For &gt;50 To 100, Deduct</i>	-3.59	
			<i>For &gt;100, Deduct</i>	-7.18	
03 15 19 00-0069	EA		1-3/8" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	93.36	
			<i>For Galvanized, Add</i>	33.08	
			<i>For Stainless Steel, Add</i>	231.56	
			<i>For &gt;10 To 50, Deduct</i>	-1.36	
			<i>For &gt;50 To 100, Deduct</i>	-4.37	
			<i>For &gt;100, Deduct</i>	-8.75	
03 15 19 00-0070	EA		1-3/8" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.54	
			<i>For Galvanized, Add</i>	37.46	
			<i>For Stainless Steel, Add</i>	262.19	
			<i>For &gt;10 To 50, Deduct</i>	-1.43	
			<i>For &gt;50 To 100, Deduct</i>	-4.74	
			<i>For &gt;100, Deduct</i>	-9.47	
03 15 19 00-0071	EA		1-3/8" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	114.79	
			<i>For Galvanized, Add</i>	42.29	
			<i>For Stainless Steel, Add</i>	296.03	
			<i>For &gt;10 To 50, Deduct</i>	-1.51	
			<i>For &gt;50 To 100, Deduct</i>	-5.14	
			<i>For &gt;100, Deduct</i>	-10.27	
03 15 19 00-0072	EA		1-3/8" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	126.03	
			<i>For Galvanized, Add</i>	46.02	
			<i>For Stainless Steel, Add</i>	322.11	
			<i>For &gt;10 To 50, Deduct</i>	-1.70	
			<i>For &gt;50 To 100, Deduct</i>	-5.70	
			<i>For &gt;100, Deduct</i>	-11.40	
03 15 19 00-0073	EA		1-3/8" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	137.41	
			<i>For Galvanized, Add</i>	49.28	
			<i>For Stainless Steel, Add</i>	344.93	
			<i>For &gt;10 To 50, Deduct</i>	-1.94	
			<i>For &gt;50 To 100, Deduct</i>	-6.35	
			<i>For &gt;100, Deduct</i>	-12.70	
03 15 19 00-0074	EA		1-3/8" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	151.66	
			<i>For Galvanized, Add</i>	53.17	
			<i>For Stainless Steel, Add</i>	372.16	
			<i>For &gt;10 To 50, Deduct</i>	-2.27	
			<i>For &gt;50 To 100, Deduct</i>	-7.19	
			<i>For &gt;100, Deduct</i>	-14.38	
03 15 19 00-0075	EA		1-3/8" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	171.04	
			<i>For Galvanized, Add</i>	58.32	
			<i>For Stainless Steel, Add</i>	408.24	
			<i>For &gt;10 To 50, Deduct</i>	-2.72	
			<i>For &gt;50 To 100, Deduct</i>	-8.36	
			<i>For &gt;100, Deduct</i>	-16.71	

**03 15 19 00-0076** 1-1/2", 1-3/4", And 2" Diameter (03 15 19 00-0036)

03 15 19 00-0077	EA		1-1/2" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	103.09	
			<i>For Galvanized, Add</i>	39.18	
			<i>For Stainless Steel, Add</i>	274.26	
			<i>For &gt;10 To 50, Deduct</i>	-1.24	
			<i>For &gt;50 To 100, Deduct</i>	-4.43	
			<i>For &gt;100, Deduct</i>	-8.86	
03 15 19 00-0078	EA		1-1/2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	110.82	
			<i>For Galvanized, Add</i>	41.10	
			<i>For Stainless Steel, Add</i>	287.67	
			<i>For &gt;10 To 50, Deduct</i>	-1.43	
			<i>For &gt;50 To 100, Deduct</i>	-4.92	
			<i>For &gt;100, Deduct</i>	-9.84	
03 15 19 00-0079	EA		1-1/2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	122.43	
			<i>For Galvanized, Add</i>	45.22	
			<i>For Stainless Steel, Add</i>	316.51	
			<i>For &gt;10 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-5.46	
			<i>For &gt;100, Deduct</i>	-10.92	
03 15 19 00-0080	EA		1-1/2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt	132.80	
			<i>For Galvanized, Add</i>	49.40	
			<i>For Stainless Steel, Add</i>	345.80	
			<i>For &gt;10 To 50, Deduct</i>	-1.70	
			<i>For &gt;50 To 100, Deduct</i>	-5.87	
			<i>For &gt;100, Deduct</i>	-11.74	

## 03 Concrete

## 03 10 Concrete Forming and Accessories

## 03 15 Concrete Accessories

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 15 19 00-0081	EA	1-1/2" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	143.44	
		<i>For Galvanized, Add</i>	53.59	
		<i>For Stainless Steel, Add</i>	375.10	
		<i>For &gt;10 To 50, Deduct</i>	-1.81	
		<i>For &gt;50 To 100, Deduct</i>	-6.31	
		<i>For &gt;100, Deduct</i>	-12.61	
03 15 19 00-0082	EA	1-1/2" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	157.09	
		<i>For Galvanized, Add</i>	57.63	
		<i>For Stainless Steel, Add</i>	403.38	
		<i>For &gt;10 To 50, Deduct</i>	-2.09	
		<i>For &gt;50 To 100, Deduct</i>	-7.07	
		<i>For &gt;100, Deduct</i>	-14.13	
03 15 19 00-0083	EA	1-1/2" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	174.12	
		<i>For Galvanized, Add</i>	62.34	
		<i>For Stainless Steel, Add</i>	436.35	
		<i>For &gt;10 To 50, Deduct</i>	-2.47	
		<i>For &gt;50 To 100, Deduct</i>	-8.06	
		<i>For &gt;100, Deduct</i>	-16.12	
03 15 19 00-0084	EA	1-1/2" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	198.69	
		<i>For Galvanized, Add</i>	69.13	
		<i>For Stainless Steel, Add</i>	483.88	
		<i>For &gt;10 To 50, Deduct</i>	-3.02	
		<i>For &gt;50 To 100, Deduct</i>	-9.50	
		<i>For &gt;100, Deduct</i>	-19.00	
03 15 19 00-0085	EA	1-3/4" Diameter x 18" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	145.10	
		<i>For Galvanized, Add</i>	58.95	
		<i>For Stainless Steel, Add</i>	412.65	
		<i>For &gt;10 To 50, Deduct</i>	-1.36	
		<i>For &gt;50 To 100, Deduct</i>	-5.67	
		<i>For &gt;100, Deduct</i>	-11.34	
03 15 19 00-0086	EA	1-3/4" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	150.67	
		<i>For Galvanized, Add</i>	60.23	
		<i>For Stainless Steel, Add</i>	421.61	
		<i>For &gt;10 To 50, Deduct</i>	-1.51	
		<i>For &gt;50 To 100, Deduct</i>	-6.03	
		<i>For &gt;100, Deduct</i>	-12.07	
03 15 19 00-0087	EA	1-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	154.40	
		<i>For Galvanized, Add</i>	61.20	
		<i>For Stainless Steel, Add</i>	428.40	
		<i>For &gt;10 To 50, Deduct</i>	-1.60	
		<i>For &gt;50 To 100, Deduct</i>	-6.26	
		<i>For &gt;100, Deduct</i>	-12.52	
03 15 19 00-0088	EA	1-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	175.37	
		<i>For Galvanized, Add</i>	70.69	
		<i>For Stainless Steel, Add</i>	494.80	
		<i>For &gt;10 To 50, Deduct</i>	-1.70	
		<i>For &gt;50 To 100, Deduct</i>	-6.93	
		<i>For &gt;100, Deduct</i>	-13.87	
03 15 19 00-0089	EA	1-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	202.06	
		<i>For Galvanized, Add</i>	81.60	
		<i>For Stainless Steel, Add</i>	571.20	
		<i>For &gt;10 To 50, Deduct</i>	-1.94	
		<i>For &gt;50 To 100, Deduct</i>	-7.97	
		<i>For &gt;100, Deduct</i>	-15.93	
03 15 19 00-0090	EA	1-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	210.67	
		<i>For Galvanized, Add</i>	82.67	
		<i>For Stainless Steel, Add</i>	578.69	
		<i>For &gt;10 To 50, Deduct</i>	-2.27	
		<i>For &gt;50 To 100, Deduct</i>	-8.67	
		<i>For &gt;100, Deduct</i>	-17.33	
03 15 19 00-0091	EA	1-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	232.95	
		<i>For Galvanized, Add</i>	89.28	
		<i>For Stainless Steel, Add</i>	624.93	
		<i>For &gt;10 To 50, Deduct</i>	-2.72	
		<i>For &gt;50 To 100, Deduct</i>	-9.90	
		<i>For &gt;100, Deduct</i>	-19.81	
03 15 19 00-0092	EA	1-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	260.29	
		<i>For Galvanized, Add</i>	96.15	
		<i>For Stainless Steel, Add</i>	673.05	
		<i>For &gt;10 To 50, Deduct</i>	-3.40	
		<i>For &gt;50 To 100, Deduct</i>	-11.61	
		<i>For &gt;100, Deduct</i>	-23.21	
03 15 19 00-0093	EA	2" Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	211.47	
		<i>For Galvanized, Add</i>	89.74	
		<i>For Stainless Steel, Add</i>	628.15	
		<i>For &gt;10 To 50, Deduct</i>	-1.60	
		<i>For &gt;50 To 100, Deduct</i>	-7.69	
		<i>For &gt;100, Deduct</i>	-15.37	
03 15 19 00-0094	EA	2" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	230.30	
		<i>For Galvanized, Add</i>	97.02	
		<i>For Stainless Steel, Add</i>	679.11	
		<i>For &gt;10 To 50, Deduct</i>	-1.81	
		<i>For &gt;50 To 100, Deduct</i>	-8.48	
		<i>For &gt;100, Deduct</i>	-16.96	
03 15 19 00-0095	EA	2" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	253.32	
		<i>For Galvanized, Add</i>	105.74	
		<i>For Stainless Steel, Add</i>	740.18	
		<i>For &gt;10 To 50, Deduct</i>	-2.09	
		<i>For &gt;50 To 100, Deduct</i>	-9.47	
		<i>For &gt;100, Deduct</i>	-18.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 15 19 00-0096	EA	2"	Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	273.42	
			<i>For Galvanized, Add</i>	111.99	
			<i>For Stainless Steel, Add</i>	783.90	
			<i>For &gt;10 To 50, Deduct</i>	-2.47	
			<i>For &gt;50 To 100, Deduct</i>	-10.54	
			<i>For &gt;100, Deduct</i>	-21.09	
03 15 19 00-0097	EA	2"	Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	295.07	
			<i>For Galvanized, Add</i>	120.34	
			<i>For Stainless Steel, Add</i>	842.35	
			<i>For &gt;10 To 50, Deduct</i>	-2.72	
			<i>For &gt;50 To 100, Deduct</i>	-11.46	
			<i>For &gt;100, Deduct</i>	-22.91	
03 15 19 00-0098	EA	2"	Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	317.43	
			<i>For Galvanized, Add</i>	128.50	
			<i>For Stainless Steel, Add</i>	899.47	
			<i>For &gt;10 To 50, Deduct</i>	-3.02	
			<i>For &gt;50 To 100, Deduct</i>	-12.47	
			<i>For &gt;100, Deduct</i>	-24.94	
03 15 19 00-0099	EA	2"	Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	353.71	
			<i>For Galvanized, Add</i>	138.00	
			<i>For Stainless Steel, Add</i>	966.00	
			<i>For &gt;10 To 50, Deduct</i>	-3.89	
			<i>For &gt;50 To 100, Deduct</i>	-14.67	
			<i>For &gt;100, Deduct</i>	-29.34	
03 15 19 00-0100	EA	2"	Diameter x 66" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	381.14	
			<i>For Galvanized, Add</i>	151.72	
			<i>For Stainless Steel, Add</i>	1,062.01	
			<i>For &gt;10 To 50, Deduct</i>	-3.89	
			<i>For &gt;50 To 100, Deduct</i>	-15.36	
			<i>For &gt;100, Deduct</i>	-30.71	
03 15 19 00-0101	EA	2"	Diameter x 72" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	427.95	
			<i>For Galvanized, Add</i>	168.65	
			<i>For Stainless Steel, Add</i>	1,180.52	
			<i>For &gt;10 To 50, Deduct</i>	-4.53	
			<i>For &gt;50 To 100, Deduct</i>	-17.50	
			<i>For &gt;100, Deduct</i>	-35.00	

**03 15 19 00-0102      2-1/2" And 2-3/4" Diameter** (03 15 19 00-0036)

03 15 19 00-0103	EA	2-1/2"	Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	430.74	
			<i>For Galvanized, Add</i>	199.37	
			<i>For Stainless Steel, Add</i>	1,395.59	
			<i>For &gt;10 To 50, Deduct</i>	-1.60	
			<i>For &gt;50 To 100, Deduct</i>	-13.17	
			<i>For &gt;100, Deduct</i>	-26.34	
03 15 19 00-0104	EA	2-1/2"	Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	453.05	
			<i>For Galvanized, Add</i>	208.39	
			<i>For Stainless Steel, Add</i>	1,458.73	
			<i>For &gt;10 To 50, Deduct</i>	-1.81	
			<i>For &gt;50 To 100, Deduct</i>	-14.05	
			<i>For &gt;100, Deduct</i>	-28.09	
03 15 19 00-0105	EA	2-1/2"	Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	493.83	
			<i>For Galvanized, Add</i>	226.00	
			<i>For Stainless Steel, Add</i>	1,581.97	
			<i>For &gt;10 To 50, Deduct</i>	-2.09	
			<i>For &gt;50 To 100, Deduct</i>	-15.48	
			<i>For &gt;100, Deduct</i>	-30.97	
03 15 19 00-0106	EA	2-1/2"	Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	525.79	
			<i>For Galvanized, Add</i>	238.17	
			<i>For Stainless Steel, Add</i>	1,667.19	
			<i>For &gt;10 To 50, Deduct</i>	-2.47	
			<i>For &gt;50 To 100, Deduct</i>	-16.85	
			<i>For &gt;100, Deduct</i>	-33.71	
03 15 19 00-0107	EA	2-1/2"	Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	556.27	
			<i>For Galvanized, Add</i>	250.94	
			<i>For Stainless Steel, Add</i>	1,756.55	
			<i>For &gt;10 To 50, Deduct</i>	-2.72	
			<i>For &gt;50 To 100, Deduct</i>	-17.99	
			<i>For &gt;100, Deduct</i>	-35.97	
03 15 19 00-0108	EA	2-1/2"	Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	590.91	
			<i>For Galvanized, Add</i>	265.24	
			<i>For Stainless Steel, Add</i>	1,856.65	
			<i>For &gt;10 To 50, Deduct</i>	-3.02	
			<i>For &gt;50 To 100, Deduct</i>	-19.31	
			<i>For &gt;100, Deduct</i>	-38.61	
03 15 19 00-0109	EA	2-1/2"	Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	637.46	
			<i>For Galvanized, Add</i>	279.88	
			<i>For Stainless Steel, Add</i>	1,959.13	
			<i>For &gt;10 To 50, Deduct</i>	-3.89	
			<i>For &gt;50 To 100, Deduct</i>	-21.76	
			<i>For &gt;100, Deduct</i>	-43.53	
03 15 19 00-0110	EA	2-3/4"	Diameter x 24" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	485.40	
			<i>For Galvanized, Add</i>	225.70	
			<i>For Stainless Steel, Add</i>	1,579.90	
			<i>For &gt;10 To 50, Deduct</i>	-1.70	
			<i>For &gt;50 To 100, Deduct</i>	-14.69	
			<i>For &gt;100, Deduct</i>	-29.37	

**03 Concrete****03 10 Concrete Forming and Accessories****03 15 Concrete Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 15 19 00-0111	EA	2-3/4" Diameter x 30" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	521.72	
		<i>For Galvanized, Add</i>	241.43	
		<i>For Stainless Steel, Add</i>	1,690.01	
		<i>For &gt;10 To 50, Deduct</i>	-1.94	
		<i>For &gt;50 To 100, Deduct</i>	-15.96	
		<i>For &gt;100, Deduct</i>	-31.92	
03 15 19 00-0112	EA	2-3/4" Diameter x 36" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	559.95	
		<i>For Galvanized, Add</i>	257.31	
		<i>For Stainless Steel, Add</i>	1,801.17	
		<i>For &gt;10 To 50, Deduct</i>	-2.27	
		<i>For &gt;50 To 100, Deduct</i>	-17.40	
		<i>For &gt;100, Deduct</i>	-34.80	
03 15 19 00-0113	EA	2-3/4" Diameter x 42" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	597.62	
		<i>For Galvanized, Add</i>	271.61	
		<i>For Stainless Steel, Add</i>	1,901.27	
		<i>For &gt;10 To 50, Deduct</i>	-2.72	
		<i>For &gt;50 To 100, Deduct</i>	-19.02	
		<i>For &gt;100, Deduct</i>	-38.04	
03 15 19 00-0114	EA	2-3/4" Diameter x 48" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	634.91	
		<i>For Galvanized, Add</i>	287.24	
		<i>For Stainless Steel, Add</i>	2,010.65	
		<i>For &gt;10 To 50, Deduct</i>	-3.02	
		<i>For &gt;50 To 100, Deduct</i>	-20.41	
		<i>For &gt;100, Deduct</i>	-40.81	
03 15 19 00-0115	EA	2-3/4" Diameter x 54" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	686.83	
		<i>For Galvanized, Add</i>	309.42	
		<i>For Stainless Steel, Add</i>	2,165.94	
		<i>For &gt;10 To 50, Deduct</i>	-3.40	
		<i>For &gt;50 To 100, Deduct</i>	-22.27	
		<i>For &gt;100, Deduct</i>	-44.54	
03 15 19 00-0116	EA	2-3/4" Diameter x 60" Length, Plain Steel, L-Type Cast In Place Anchor Bolt.....	743.53	
		<i>For Galvanized, Add</i>	326.44	
		<i>For Stainless Steel, Add</i>	2,285.05	
		<i>For &gt;10 To 50, Deduct</i>	-4.53	
		<i>For &gt;50 To 100, Deduct</i>	-25.39	
		<i>For &gt;100, Deduct</i>	-50.78	

**03 20 Concrete Reinforcing** <sup>(03)</sup>

Note: Includes cutting or torching to size, bending where necessary and tie wires.

**03 21 Reinforcement Bars** <sup>(03 20)</sup>

Note: Includes cutting, bending, tie wire, tying, bar chairs and all non-mechanical splicing. The weights of reinforcing steel shall be used as follows: #2 - 0.167 Lbs./LF, #3 - 0.376 Lbs./LF, #4 - 0.668 Lbs./LF, #5 - 1.043 Lbs./LF, #6 - 1.502 Lbs./LF, #7 - 2.044 Lbs./LF, #8 - 2.670 Lbs./LF, #9 - 3.400 Lbs./LF, #10 - 4.303 Lbs./LF, #11 - 5.313 Lbs./LF, #14 - 7.650 Lbs./LF, #18 - 13.600 Lbs./LF.

**03 21 11 Plain Steel Reinforcement Bars** <sup>(03 21)</sup>**03 21 11 00-0001 Beams And Girders, Steel Reinforcement Bar** <sup>(03 21 11)</sup>

Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

03 21 11 00-0002	LF	#3, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.06	
		<i>For Up To 100, Add</i>	0.65	
		<i>For &gt;100 To 200, Add</i>	0.36	
		<i>For &gt;200 To 500, Add</i>	0.14	
03 21 11 00-0003	LF	#4, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	1.77	
		<i>For Up To 100, Add</i>	1.10	
		<i>For &gt;100 To 200, Add</i>	0.61	
		<i>For &gt;200 To 500, Add</i>	0.24	
03 21 11 00-0004	LF	#5, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	2.64	
		<i>For Up To 100, Add</i>	1.67	
		<i>For &gt;100 To 200, Add</i>	0.92	
		<i>For &gt;200 To 500, Add</i>	0.37	
03 21 11 00-0005	LF	#6, Grade 40, Beams And Girders, Steel Reinforcement Bar.....	3.61	
		<i>For Up To 100, Add</i>	2.33	
		<i>For &gt;100 To 200, Add</i>	1.27	
		<i>For &gt;200 To 500, Add</i>	0.51	
03 21 11 00-0006	LF	#3, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.08	
		<i>For Up To 100, Add</i>	0.67	
		<i>For &gt;100 To 200, Add</i>	0.37	
		<i>For &gt;200 To 500, Add</i>	0.15	
03 21 11 00-0007	LF	#4, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	1.81	
		<i>For Up To 100, Add</i>	1.14	
		<i>For &gt;100 To 200, Add</i>	0.63	
		<i>For &gt;200 To 500, Add</i>	0.25	
03 21 11 00-0008	LF	#5, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	2.69	
		<i>For Up To 100, Add</i>	1.72	
		<i>For &gt;100 To 200, Add</i>	0.94	
		<i>For &gt;200 To 500, Add</i>	0.38	
03 21 11 00-0009	LF	#6, Grade 50, Beams And Girders, Steel Reinforcement Bar.....	3.68	
		<i>For Up To 100, Add</i>	2.40	
		<i>For &gt;100 To 200, Add</i>	1.31	
		<i>For &gt;200 To 500, Add</i>	0.52	
03 21 11 00-0010	LF	#3, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.10	
		<i>For Up To 100, Add</i>	0.69	
		<i>For &gt;100 To 200, Add</i>	0.38	
		<i>For &gt;200 To 500, Add</i>	0.15	
03 21 11 00-0011	LF	#4, Grade 60, Beams And Girders, Steel Reinforcement Bar.....	1.86	
		<i>For Up To 100, Add</i>	1.19	
		<i>For &gt;100 To 200, Add</i>	0.65	
		<i>For &gt;200 To 500, Add</i>	0.26	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0012	LF	#5, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	2.77	
		For Up To 100, Add			1.80	
		For >100 To 200, Add			0.98	
		For >200 To 500, Add			0.39	
03 21 11 00-0013	LF	#6, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	3.80	
		For Up To 100, Add			2.52	
		For >100 To 200, Add			1.37	
		For >200 To 500, Add			0.55	
03 21 11 00-0014	LF	#7, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	4.88	
		For Up To 100, Add			2.61	
		For >100 To 200, Add			1.56	
		For >200 To 400, Add			0.71	
03 21 11 00-0015	LF	#8, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	6.03	
		For Up To 100, Add			3.29	
		For >100 To 200, Add			1.95	
		For >200 To 400, Add			0.90	
03 21 11 00-0016	LF	#9, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	7.38	
		For Up To 100, Add			4.08	
		For >100 To 200, Add			2.41	
		For >200 To 400, Add			1.11	
03 21 11 00-0017	LF	#10, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	8.96	
		For Up To 100, Add			4.11	
		For >100 To 200, Add			2.27	
		For >200 To 300, Add			1.13	
03 21 11 00-0018	LF	#11, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	10.59	
		For Up To 100, Add			4.94	
		For >100 To 200, Add			2.70	
		For >200 To 300, Add			1.35	
03 21 11 00-0019	LF	#14, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	14.55	
		For Up To 100, Add			6.89	
		For >100 To 200, Add			3.75	
		For >200 To 300, Add			1.88	
03 21 11 00-0020	LF	#18, Grade 60, Beams And Girders, Steel Reinforcement Bar		.....	24.67	
		For Up To 100, Add			11.90	
		For >100 To 200, Add			6.43	
		For >200 To 300, Add			3.22	
03 21 11 00-0021	LF	#6, Grade 75, Beams And Girders, Steel Reinforcement Bar		.....	3.91	
		For Up To 100, Add			2.63	
		For >100 To 200, Add			1.42	
		For >200 To 500, Add			0.57	
03 21 11 00-0022	LF	#7, Grade 75, Beams And Girders, Steel Reinforcement Bar		.....	5.03	
		For Up To 100, Add			2.72	
		For >100 To 200, Add			1.62	
		For >200 To 400, Add			0.74	
03 21 11 00-0023	LF	#8, Grade 75, Beams And Girders, Steel Reinforcement Bar		.....	6.23	
		For Up To 100, Add			3.44	
		For >100 To 200, Add			2.03	
		For >200 To 400, Add			0.94	
03 21 11 00-0024	LF	#9, Grade 75, Beams And Girders, Steel Reinforcement Bar		.....	7.63	
		For Up To 100, Add			4.27	
		For >100 To 200, Add			2.51	
		For >200 To 400, Add			1.16	
03 21 11 00-0025	LF	#10, Grade 75, Beams And Girders, Steel Reinforcement Bar		.....	9.28	
		For Up To 100, Add			4.30	
		For >100 To 200, Add			2.36	
		For >200 To 300, Add			1.18	
03 21 11 00-0026	LF	#11, Grade 75, Beams And Girders, Steel Reinforcement Bar		.....	10.98	
		For Up To 100, Add			5.17	
		For >100 To 200, Add			2.82	
		For >200 To 300, Add			1.41	
03 21 11 00-0027	LF	#14, Grade 75, Beams And Girders, Steel Reinforcement Bar		.....	15.11	
		For Up To 100, Add			7.23	
		For >100 To 200, Add			3.92	
		For >200 To 300, Add			1.96	
03 21 11 00-0028	LF	#18, Grade 75, Beams And Girders, Steel Reinforcement Bar		.....	25.67	
		For Up To 100, Add			12.50	
		For >100 To 200, Add			6.73	
		For >200 To 300, Add			3.37	
03 21 11 00-0029	LF	#3, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar		.....	1.13	
		For Up To 100, Add			0.72	
		For >100 To 200, Add			0.39	
		For >200 To 500, Add			0.16	
03 21 11 00-0030	LF	#4, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar		.....	1.89	
		For Up To 100, Add			1.22	
		For >100 To 200, Add			0.67	
		For >200 To 500, Add			0.27	
03 21 11 00-0031	LF	#5, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar		.....	2.83	
		For Up To 100, Add			1.86	
		For >100 To 200, Add			1.01	
		For >200 To 500, Add			0.40	
03 21 11 00-0032	LF	#6, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar		.....	3.88	
		For Up To 100, Add			2.60	
		For >100 To 200, Add			1.41	
		For >200 To 500, Add			0.56	
03 21 11 00-0033	LF	#7, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar		.....	5.00	
		For Up To 100, Add			2.70	
		For >100 To 200, Add			1.61	
		For >200 To 400, Add			0.74	

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0034	LF		#8, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	6.18	
			For Up To 100, Add	3.40	
			For >100 To 200, Add	2.01	
			For >200 To 400, Add	0.93	
03 21 11 00-0035	LF		#9, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	7.56	
			For Up To 100, Add	4.22	
			For >100 To 200, Add	2.48	
			For >200 To 400, Add	1.15	
03 21 11 00-0036	LF		#10, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	9.20	
			For Up To 100, Add	4.25	
			For >100 To 200, Add	2.34	
			For >200 To 300, Add	1.17	
03 21 11 00-0037	LF		#11, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	10.88	
			For Up To 100, Add	5.11	
			For >100 To 200, Add	2.79	
			For >200 To 300, Add	1.40	
03 21 11 00-0038	LF		#14, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	14.97	
			For Up To 100, Add	7.15	
			For >100 To 200, Add	3.88	
			For >200 To 300, Add	1.94	
03 21 11 00-0039	LF		#18, Grade 60, Beams And Girders, Low Alloy Steel Reinforcement Bar .....	25.42	
			For Up To 100, Add	12.35	
			For >100 To 200, Add	6.66	
			For >200 To 300, Add	3.33	
03 21 11 00-0040			<b>Columns, Steel Reinforcement Bar</b> (03 21 11) Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0041	LF		#3, Grade 40, Columns, Steel Reinforcement Bar .....	1.11	
			For Up To 100, Add	0.67	
			For >100 To 200, Add	0.37	
			For >200 To 500, Add	0.15	
03 21 11 00-0042	LF		#4, Grade 40, Columns, Steel Reinforcement Bar .....	1.90	
			For Up To 100, Add	1.15	
			For >100 To 200, Add	0.64	
			For >200 To 500, Add	0.26	
03 21 11 00-0043	LF		#5, Grade 40, Columns, Steel Reinforcement Bar .....	2.80	
			For Up To 100, Add	1.73	
			For >100 To 200, Add	0.96	
			For >200 To 500, Add	0.38	
03 21 11 00-0044	LF		#6, Grade 40, Columns, Steel Reinforcement Bar .....	3.82	
			For Up To 100, Add	2.41	
			For >100 To 200, Add	1.32	
			For >200 To 500, Add	0.53	
03 21 11 00-0045	LF		#3, Grade 50, Columns, Steel Reinforcement Bar .....	1.13	
			For Up To 100, Add	0.69	
			For >100 To 200, Add	0.38	
			For >200 To 500, Add	0.15	
03 21 11 00-0046	LF		#4, Grade 50, Columns, Steel Reinforcement Bar .....	1.94	
			For Up To 100, Add	1.19	
			For >100 To 200, Add	0.66	
			For >200 To 500, Add	0.26	
03 21 11 00-0047	LF		#5, Grade 50, Columns, Steel Reinforcement Bar .....	2.85	
			For Up To 100, Add	1.78	
			For >100 To 200, Add	0.98	
			For >200 To 500, Add	0.39	
03 21 11 00-0048	LF		#6, Grade 50, Columns, Steel Reinforcement Bar .....	3.89	
			For Up To 100, Add	2.48	
			For >100 To 200, Add	1.36	
			For >200 To 500, Add	0.54	
03 21 11 00-0049	LF		#3, Grade 60, Columns, Steel Reinforcement Bar .....	1.15	
			For Up To 100, Add	0.71	
			For >100 To 200, Add	0.39	
			For >200 To 500, Add	0.16	
03 21 11 00-0050	LF		#4, Grade 60, Columns, Steel Reinforcement Bar .....	1.99	
			For Up To 100, Add	1.24	
			For >100 To 200, Add	0.68	
			For >200 To 500, Add	0.27	
03 21 11 00-0051	LF		#5, Grade 60, Columns, Steel Reinforcement Bar .....	2.93	
			For Up To 100, Add	1.86	
			For >100 To 200, Add	1.02	
			For >200 To 500, Add	0.41	
03 21 11 00-0052	LF		#6, Grade 60, Columns, Steel Reinforcement Bar .....	4.01	
			For Up To 100, Add	2.60	
			For >100 To 200, Add	1.42	
			For >200 To 500, Add	0.57	
03 21 11 00-0053	LF		#7, Grade 60, Columns, Steel Reinforcement Bar .....	5.15	
			For Up To 100, Add	2.70	
			For >100 To 200, Add	1.63	
			For >200 To 400, Add	0.74	
03 21 11 00-0054	LF		#8, Grade 60, Columns, Steel Reinforcement Bar .....	6.33	
			For Up To 100, Add	3.39	
			For >100 To 200, Add	2.02	
			For >200 To 400, Add	0.93	
03 21 11 00-0055	LF		#9, Grade 60, Columns, Steel Reinforcement Bar .....	7.74	
			For Up To 100, Add	4.21	
			For >100 To 200, Add	2.50	
			For >200 To 400, Add	1.15	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0056	LF	#10, Grade 60, Columns, Steel Reinforcement Bar		.....	9.37	
		For Up To 100, Add			4.23	
		For >100 To 200, Add			2.35	
		For >200 To 300, Add			1.17	
03 21 11 00-0057	LF	#11, Grade 60, Columns, Steel Reinforcement Bar		.....	11.05	
		For Up To 100, Add			5.07	
		For >100 To 200, Add			2.80	
		For >200 To 300, Add			1.40	
03 21 11 00-0058	LF	#14, Grade 60, Columns, Steel Reinforcement Bar		.....	15.17	
		For Up To 100, Add			7.08	
		For >100 To 200, Add			3.88	
		For >200 To 300, Add			1.94	
03 21 11 00-0059	LF	#18, Grade 60, Columns, Steel Reinforcement Bar		.....	25.62	
		For Up To 100, Add			12.18	
		For >100 To 200, Add			6.62	
		For >200 To 300, Add			3.31	
03 21 11 00-0060	LF	#6, Grade 75, Columns, Steel Reinforcement Bar		.....	4.12	
		For Up To 100, Add			2.71	
		For >100 To 200, Add			1.47	
		For >200 To 500, Add			0.59	
03 21 11 00-0061	LF	#7, Grade 75, Columns, Steel Reinforcement Bar		.....	5.30	
		For Up To 100, Add			2.82	
		For >100 To 200, Add			1.69	
		For >200 To 400, Add			0.77	
03 21 11 00-0062	LF	#8, Grade 75, Columns, Steel Reinforcement Bar		.....	6.53	
		For Up To 100, Add			3.54	
		For >100 To 200, Add			2.10	
		For >200 To 400, Add			0.97	
03 21 11 00-0063	LF	#9, Grade 75, Columns, Steel Reinforcement Bar		.....	7.99	
		For Up To 100, Add			4.40	
		For >100 To 200, Add			2.60	
		For >200 To 400, Add			1.20	
03 21 11 00-0064	LF	#10, Grade 75, Columns, Steel Reinforcement Bar		.....	9.69	
		For Up To 100, Add			4.43	
		For >100 To 200, Add			2.44	
		For >200 To 300, Add			1.22	
03 21 11 00-0065	LF	#11, Grade 75, Columns, Steel Reinforcement Bar		.....	11.44	
		For Up To 100, Add			5.31	
		For >100 To 200, Add			2.91	
		For >200 To 300, Add			1.46	
03 21 11 00-0066	LF	#14, Grade 75, Columns, Steel Reinforcement Bar		.....	15.73	
		For Up To 100, Add			7.42	
		For >100 To 200, Add			4.05	
		For >200 To 300, Add			2.02	
03 21 11 00-0067	LF	#18, Grade 75, Columns, Steel Reinforcement Bar		.....	26.62	
		For Up To 100, Add			12.78	
		For >100 To 200, Add			6.92	
		For >200 To 300, Add			3.46	
03 21 11 00-0068	LF	#3, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	1.18	
		For Up To 100, Add			0.74	
		For >100 To 200, Add			0.41	
		For >200 To 500, Add			0.16	
03 21 11 00-0069	LF	#4, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	2.02	
		For Up To 100, Add			1.27	
		For >100 To 200, Add			0.70	
		For >200 To 500, Add			0.28	
03 21 11 00-0070	LF	#5, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	2.99	
		For Up To 100, Add			1.92	
		For >100 To 200, Add			1.05	
		For >200 To 500, Add			0.42	
03 21 11 00-0071	LF	#6, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	4.09	
		For Up To 100, Add			2.68	
		For >100 To 200, Add			1.46	
		For >200 To 500, Add			0.58	
03 21 11 00-0072	LF	#7, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	5.27	
		For Up To 100, Add			2.79	
		For >100 To 200, Add			1.67	
		For >200 To 400, Add			0.76	
03 21 11 00-0073	LF	#8, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	6.48	
		For Up To 100, Add			3.50	
		For >100 To 200, Add			2.08	
		For >200 To 400, Add			0.96	
03 21 11 00-0074	LF	#9, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	7.92	
		For Up To 100, Add			4.34	
		For >100 To 200, Add			2.57	
		For >200 To 400, Add			1.19	
03 21 11 00-0075	LF	#10, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	9.61	
		For Up To 100, Add			4.38	
		For >100 To 200, Add			2.42	
		For >200 To 300, Add			1.21	
03 21 11 00-0076	LF	#11, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	11.34	
		For Up To 100, Add			5.25	
		For >100 To 200, Add			2.88	
		For >200 To 300, Add			1.44	
03 21 11 00-0077	LF	#14, Grade 60, Columns, Low Alloy Steel Reinforcement Bar		.....	15.59	
		For Up To 100, Add			7.33	
		For >100 To 200, Add			4.00	
		For >200 To 300, Add			2.00	



**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0078	LF		#18, Grade 60, Columns, Low Alloy Steel Reinforcement Bar.....	26.37	
			For Up To 100, Add	12.63	
			For >100 To 200, Add	6.85	
			For >200 To 300, Add	3.42	
<b>03 21 11 00-0079</b>			<b>Footings, Steel Reinforcement Bar</b> <small>(03 21 11)</small>		
			Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
03 21 11 00-0080	LF		#3, Grade 40, Footings, Steel Reinforcement Bar .....	0.95	
			For Up To 100, Add	0.60	
			For >100 To 200, Add	0.33	
			For >200 To 500, Add	0.13	
03 21 11 00-0081	LF		#4, Grade 40, Footings, Steel Reinforcement Bar .....	1.61	
			For Up To 100, Add	1.03	
			For >100 To 200, Add	0.57	
			For >200 To 500, Add	0.23	
03 21 11 00-0082	LF		#5, Grade 40, Footings, Steel Reinforcement Bar .....	2.41	
			For Up To 100, Add	1.58	
			For >100 To 200, Add	0.86	
			For >200 To 500, Add	0.34	
03 21 11 00-0083	LF		#6, Grade 40, Footings, Steel Reinforcement Bar .....	3.29	
			For Up To 100, Add	2.20	
			For >100 To 200, Add	1.19	
			For >200 To 500, Add	0.48	
03 21 11 00-0084	LF		#3, Grade 50, Footings, Steel Reinforcement Bar .....	0.97	
			For Up To 100, Add	0.62	
			For >100 To 200, Add	0.34	
			For >200 To 500, Add	0.14	
03 21 11 00-0085	LF		#4, Grade 50, Footings, Steel Reinforcement Bar .....	1.65	
			For Up To 100, Add	1.07	
			For >100 To 200, Add	0.59	
			For >200 To 500, Add	0.23	
03 21 11 00-0086	LF		#5, Grade 50, Footings, Steel Reinforcement Bar .....	2.46	
			For Up To 100, Add	1.63	
			For >100 To 200, Add	0.88	
			For >200 To 500, Add	0.35	
03 21 11 00-0087	LF		#6, Grade 50, Footings, Steel Reinforcement Bar .....	3.36	
			For Up To 100, Add	2.27	
			For >100 To 200, Add	1.23	
			For >200 To 500, Add	0.49	
03 21 11 00-0088	LF		#3, Grade 60, Footings, Steel Reinforcement Bar .....	0.99	
			For Up To 100, Add	0.64	
			For >100 To 200, Add	0.35	
			For >200 To 500, Add	0.14	
03 21 11 00-0089	LF		#4, Grade 60, Footings, Steel Reinforcement Bar .....	1.70	
			For Up To 100, Add	1.12	
			For >100 To 200, Add	0.61	
			For >200 To 500, Add	0.24	
03 21 11 00-0090	LF		#5, Grade 60, Footings, Steel Reinforcement Bar .....	2.54	
			For Up To 100, Add	1.71	
			For >100 To 200, Add	0.92	
			For >200 To 500, Add	0.37	
03 21 11 00-0091	LF		#6, Grade 60, Footings, Steel Reinforcement Bar .....	3.48	
			For Up To 100, Add	2.39	
			For >100 To 200, Add	1.29	
			For >200 To 500, Add	0.51	
03 21 11 00-0092	LF		#7, Grade 60, Footings, Steel Reinforcement Bar .....	4.49	
			For Up To 100, Add	2.47	
			For >100 To 200, Add	1.46	
			For >200 To 400, Add	0.67	
03 21 11 00-0093	LF		#8, Grade 60, Footings, Steel Reinforcement Bar .....	5.57	
			For Up To 100, Add	3.13	
			For >100 To 200, Add	1.83	
			For >200 To 400, Add	0.85	
03 21 11 00-0094	LF		#9, Grade 60, Footings, Steel Reinforcement Bar .....	6.82	
			For Up To 100, Add	3.89	
			For >100 To 200, Add	2.27	
			For >200 To 400, Add	1.06	
03 21 11 00-0095	LF		#10, Grade 60, Footings, Steel Reinforcement Bar .....	8.31	
			For Up To 100, Add	4.80	
			For >100 To 200, Add	2.79	
			For >200 To 400, Add	1.31	
			For Up To 100, Add	3.92	
			For >100 To 200, Add	2.14	
			For >200 To 300, Add	1.07	
03 21 11 00-0096	LF		#11, Grade 60, Footings, Steel Reinforcement Bar .....	9.88	
			For Up To 100, Add	5.80	
			For >100 To 200, Add	3.35	
			For >200 To 400, Add	1.57	
			For Up To 100, Add	4.72	
			For >100 To 200, Add	2.56	
			For >200 To 300, Add	1.28	
03 21 11 00-0097	LF		#14, Grade 60, Footings, Steel Reinforcement Bar .....	13.64	
			For Up To 100, Add	8.15	
			For >100 To 200, Add	4.67	
			For >200 To 400, Add	2.21	
			For Up To 100, Add	6.62	
			For >100 To 200, Add	3.57	
			For >200 To 300, Add	1.79	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0098	LF	#18, Grade 60, Footings, Steel Reinforcement Bar			23.20	
		For Up To 100, Add			14.12	
		For >100 To 200, Add			8.05	
		For >200 To 400, Add			3.82	
		For Up To 100, Add			11.46	
		For >100 To 200, Add			6.14	
		For >200 To 300, Add			3.07	
03 21 11 00-0099	LF	#6, Grade 75, Footings, Steel Reinforcement Bar			3.59	
		For Up To 100, Add			2.50	
		For >100 To 200, Add			1.34	
		For >200 To 500, Add			0.54	
		For Up To 100, Add			1.96	
		For >100 To 200, Add			1.16	
		For >200 To 400, Add			0.54	
03 21 11 00-0100	LF	#7, Grade 75, Footings, Steel Reinforcement Bar			4.64	
		For Up To 100, Add			2.58	
		For >100 To 200, Add			1.52	
		For >200 To 400, Add			0.70	
03 21 11 00-0101	LF	#8, Grade 75, Footings, Steel Reinforcement Bar			5.77	
		For Up To 100, Add			3.28	
		For >100 To 200, Add			1.91	
		For >200 To 400, Add			0.89	
03 21 11 00-0102	LF	#9, Grade 75, Footings, Steel Reinforcement Bar			7.07	
		For Up To 100, Add			4.07	
		For >100 To 200, Add			2.37	
		For >200 To 400, Add			1.11	
03 21 11 00-0103	LF	#10, Grade 75, Footings, Steel Reinforcement Bar			8.63	
		For Up To 100, Add			4.11	
		For >100 To 200, Add			2.23	
		For >200 To 300, Add			1.12	
03 21 11 00-0104	LF	#11, Grade 75, Footings, Steel Reinforcement Bar			10.27	
		For Up To 100, Add			4.96	
		For >100 To 200, Add			2.68	
		For >200 To 300, Add			1.34	
03 21 11 00-0105	LF	#14, Grade 75, Footings, Steel Reinforcement Bar			14.20	
		For Up To 100, Add			6.96	
		For >100 To 200, Add			3.74	
		For >200 To 300, Add			1.87	
03 21 11 00-0106	LF	#18, Grade 75, Footings, Steel Reinforcement Bar			24.20	
		For Up To 100, Add			12.06	
		For >100 To 200, Add			6.44	
		For >200 To 300, Add			3.22	
03 21 11 00-0107	LF	#3, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			1.02	
		For Up To 100, Add			0.67	
		For >100 To 200, Add			0.37	
		For >200 To 500, Add			0.15	
03 21 11 00-0108	LF	#4, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			1.73	
		For Up To 100, Add			1.15	
		For >100 To 200, Add			0.63	
		For >200 To 500, Add			0.25	
03 21 11 00-0109	LF	#5, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			2.60	
		For Up To 100, Add			1.77	
		For >100 To 200, Add			0.95	
		For >200 To 500, Add			0.38	
03 21 11 00-0110	LF	#6, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			3.56	
		For Up To 100, Add			2.47	
		For >100 To 200, Add			1.33	
		For >200 To 500, Add			0.53	
03 21 11 00-0111	LF	#7, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			4.61	
		For Up To 100, Add			2.56	
		For >100 To 200, Add			1.51	
		For >200 To 400, Add			0.70	
03 21 11 00-0112	LF	#8, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			5.72	
		For Up To 100, Add			3.24	
		For >100 To 200, Add			1.89	
		For >200 To 400, Add			0.88	
03 21 11 00-0113	LF	#9, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			7.00	
		For Up To 100, Add			4.02	
		For >100 To 200, Add			2.34	
		For >200 To 400, Add			1.09	
03 21 11 00-0114	LF	#10, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			8.55	
		For Up To 100, Add			4.06	
		For >100 To 200, Add			2.21	
		For >200 To 300, Add			1.10	
03 21 11 00-0115	LF	#11, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			10.17	
		For Up To 100, Add			4.90	
		For >100 To 200, Add			2.65	
		For >200 To 300, Add			1.32	
03 21 11 00-0116	LF	#14, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			14.06	
		For Up To 100, Add			6.87	
		For >100 To 200, Add			3.70	
		For >200 To 300, Add			1.85	
03 21 11 00-0117	LF	#18, Grade 60, Footings, Low Alloy Steel Reinforcement Bar			23.95	
		For Up To 100, Add			11.91	
		For >100 To 200, Add			6.36	
		For >200 To 300, Add			3.18	

03 21 11 00-0118 Slab On Grade, Steel Reinforcement Bar (03 21 11)  
 Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0119	LF		#3, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	0.92	
			For Up To 100, Add	0.59	
			For >100 To 200, Add	0.32	
			For >200 To 500, Add	0.13	
03 21 11 00-0120	LF		#4, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	1.55	
			For Up To 100, Add	1.01	
			For >100 To 200, Add	0.55	
			For >200 To 500, Add	0.22	
03 21 11 00-0121	LF		#5, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	2.32	
			For Up To 100, Add	1.54	
			For >100 To 200, Add	0.84	
			For >200 To 500, Add	0.33	
03 21 11 00-0122	LF		#6, Grade 40, Slab On Grade, Steel Reinforcement Bar .....	3.18	
			For Up To 100, Add	2.15	
			For >100 To 200, Add	1.16	
			For >200 To 500, Add	0.47	
03 21 11 00-0123	LF		#3, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	0.94	
			For Up To 100, Add	0.61	
			For >100 To 200, Add	0.33	
			For >200 To 500, Add	0.13	
03 21 11 00-0124	LF		#4, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	1.59	
			For Up To 100, Add	1.05	
			For >100 To 200, Add	0.57	
			For >200 To 500, Add	0.23	
03 21 11 00-0125	LF		#5, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	2.37	
			For Up To 100, Add	1.59	
			For >100 To 200, Add	0.86	
			For >200 To 500, Add	0.34	
03 21 11 00-0126	LF		#6, Grade 50, Slab On Grade, Steel Reinforcement Bar .....	3.25	
			For Up To 100, Add	2.22	
			For >100 To 200, Add	1.20	
			For >200 To 500, Add	0.48	
03 21 11 00-0127	LF		#3, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	0.96	
			For Up To 100, Add	0.63	
			For >100 To 200, Add	0.34	
			For >200 To 500, Add	0.14	
03 21 11 00-0128	LF		#4, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	1.64	
			For Up To 100, Add	1.10	
			For >100 To 200, Add	0.60	
			For >200 To 500, Add	0.24	
03 21 11 00-0129	LF		#5, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	2.45	
			For Up To 100, Add	1.67	
			For >100 To 200, Add	0.90	
			For >200 To 500, Add	0.36	
03 21 11 00-0130	LF		#6, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	3.37	
			For Up To 100, Add	2.34	
			For >100 To 200, Add	1.26	
			For >200 To 500, Add	0.50	
03 21 11 00-0131	LF		#7, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	4.37	
			For Up To 100, Add	2.43	
			For >100 To 200, Add	1.43	
			For >200 To 400, Add	0.66	
03 21 11 00-0132	LF		#8, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	5.41	
			For Up To 100, Add	3.07	
			For >100 To 200, Add	1.79	
			For >200 To 400, Add	0.84	
03 21 11 00-0133	LF		#9, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	6.65	
			For Up To 100, Add	3.83	
			For >100 To 200, Add	2.23	
			For >200 To 400, Add	1.04	
03 21 11 00-0134	LF		#10, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	8.10	
			For Up To 100, Add	3.85	
			For >100 To 200, Add	2.09	
			For >200 To 300, Add	1.05	
03 21 11 00-0135	LF		#11, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	9.65	
			For Up To 100, Add	4.65	
			For >100 To 200, Add	2.52	
			For >200 To 300, Add	1.26	
03 21 11 00-0136	LF		#14, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	13.32	
			For Up To 100, Add	6.53	
			For >100 To 200, Add	3.51	
			For >200 To 300, Add	1.75	
03 21 11 00-0137	LF		#18, Grade 60, Slab On Grade, Steel Reinforcement Bar .....	22.73	
			For Up To 100, Add	11.32	
			For >100 To 200, Add	6.05	
			For >200 To 300, Add	3.02	
03 21 11 00-0138	LF		#6, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	3.48	
			For Up To 100, Add	2.45	
			For >100 To 200, Add	1.31	
			For >200 To 500, Add	0.53	
03 21 11 00-0139	LF		#7, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	4.52	
			For Up To 100, Add	2.54	
			For >100 To 200, Add	1.49	
			For >200 To 400, Add	0.69	
03 21 11 00-0140	LF		#8, Grade 75, Slab On Grade, Steel Reinforcement Bar .....	5.61	
			For Up To 100, Add	3.22	
			For >100 To 200, Add	1.87	
			For >200 To 400, Add	0.88	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 21 11 00-0141	LF		#9, Grade 75, Slab On Grade, Steel Reinforcement Bar ..... 6.90 <i>For Up To 100, Add</i> 4.02 <i>For &gt;100 To 200, Add</i> 2.33 <i>For &gt;200 To 400, Add</i> 1.09		
	03 21 11 00-0142	LF		#10, Grade 75, Slab On Grade, Steel Reinforcement Bar ..... 8.42 <i>For Up To 100, Add</i> 4.04 <i>For &gt;100 To 200, Add</i> 2.19 <i>For &gt;200 To 300, Add</i> 1.10		
	03 21 11 00-0143	LF		#11, Grade 75, Slab On Grade, Steel Reinforcement Bar ..... 10.04 <i>For Up To 100, Add</i> 4.89 <i>For &gt;100 To 200, Add</i> 2.63 <i>For &gt;200 To 300, Add</i> 1.32		
	03 21 11 00-0144	LF		#14, Grade 75, Slab On Grade, Steel Reinforcement Bar ..... 13.88 <i>For Up To 100, Add</i> 6.86 <i>For &gt;100 To 200, Add</i> 3.68 <i>For &gt;200 To 300, Add</i> 1.84		
	03 21 11 00-0145	LF		#18, Grade 75, Slab On Grade, Steel Reinforcement Bar ..... 23.73 <i>For Up To 100, Add</i> 11.92 <i>For &gt;100 To 200, Add</i> 6.35 <i>For &gt;200 To 300, Add</i> 3.17		
	03 21 11 00-0146	LF		#3, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 0.99 <i>For Up To 100, Add</i> 0.66 <i>For &gt;100 To 200, Add</i> 0.36 <i>For &gt;200 To 500, Add</i> 0.14		
	03 21 11 00-0147	LF		#4, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 1.67 <i>For Up To 100, Add</i> 1.13 <i>For &gt;100 To 200, Add</i> 0.61 <i>For &gt;200 To 500, Add</i> 0.24		
	03 21 11 00-0148	LF		#5, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 2.51 <i>For Up To 100, Add</i> 1.73 <i>For &gt;100 To 200, Add</i> 0.93 <i>For &gt;200 To 500, Add</i> 0.37		
	03 21 11 00-0149	LF		#6, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 3.45 <i>For Up To 100, Add</i> 2.42 <i>For &gt;100 To 200, Add</i> 1.30 <i>For &gt;200 To 500, Add</i> 0.52		
	03 21 11 00-0150	LF		#7, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 4.49 <i>For Up To 100, Add</i> 2.52 <i>For &gt;100 To 200, Add</i> 1.48 <i>For &gt;200 To 400, Add</i> 0.69		
	03 21 11 00-0151	LF		#8, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 5.56 <i>For Up To 100, Add</i> 3.18 <i>For &gt;100 To 200, Add</i> 1.85 <i>For &gt;200 To 400, Add</i> 0.87		
	03 21 11 00-0152	LF		#9, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 6.83 <i>For Up To 100, Add</i> 3.96 <i>For &gt;100 To 200, Add</i> 2.30 <i>For &gt;200 To 400, Add</i> 1.08		
	03 21 11 00-0153	LF		#10, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 8.34 <i>For Up To 100, Add</i> 4.00 <i>For &gt;100 To 200, Add</i> 2.17 <i>For &gt;200 To 300, Add</i> 1.08		
	03 21 11 00-0154	LF		#11, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 9.94 <i>For Up To 100, Add</i> 4.83 <i>For &gt;100 To 200, Add</i> 2.60 <i>For &gt;200 To 300, Add</i> 1.30		
	03 21 11 00-0155	LF		#14, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 13.74 <i>For Up To 100, Add</i> 6.78 <i>For &gt;100 To 200, Add</i> 3.63 <i>For &gt;200 To 300, Add</i> 1.82		
	03 21 11 00-0156	LF		#18, Grade 60, Slab On Grade, Low Alloy Steel Reinforcement Bar ..... 23.48 <i>For Up To 100, Add</i> 11.77 <i>For &gt;100 To 200, Add</i> 6.27 <i>For &gt;200 To 300, Add</i> 3.14		
	<b>03 21 11 00-0157</b>			<b>Elevated Slabs, Steel Reinforcement Bar</b> <small>(03 21 11)</small>		
				Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
	03 21 11 00-0158	LF		#3, Grade 40, Elevated Slabs, Steel Reinforcement Bar ..... 0.85 <i>For Up To 100, Add</i> 0.56 <i>For &gt;100 To 200, Add</i> 0.31 <i>For &gt;200 To 500, Add</i> 0.12		
	03 21 11 00-0159	LF		#4, Grade 40, Elevated Slabs, Steel Reinforcement Bar ..... 1.43 <i>For Up To 100, Add</i> 0.96 <i>For &gt;100 To 200, Add</i> 0.52 <i>For &gt;200 To 500, Add</i> 0.21		
	03 21 11 00-0160	LF		#5, Grade 40, Elevated Slabs, Steel Reinforcement Bar ..... 2.15 <i>For Up To 100, Add</i> 1.47 <i>For &gt;100 To 200, Add</i> 0.79 <i>For &gt;200 To 500, Add</i> 0.32		
	03 21 11 00-0161	LF		#6, Grade 40, Elevated Slabs, Steel Reinforcement Bar ..... 2.97 <i>For Up To 100, Add</i> 2.07 <i>For &gt;100 To 200, Add</i> 1.11 <i>For &gt;200 To 500, Add</i> 0.44		
	03 21 11 00-0162	LF		#3, Grade 50, Elevated Slabs, Steel Reinforcement Bar ..... 0.87 <i>For Up To 100, Add</i> 0.58 <i>For &gt;100 To 200, Add</i> 0.32 <i>For &gt;200 To 500, Add</i> 0.13		

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0163	LF	#4, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	1.47	
		<i>For Up To 100, Add</i>		1.00	
		<i>For &gt;100 To 200, Add</i>		0.54	
		<i>For &gt;200 To 500, Add</i>		0.22	
03 21 11 00-0164	LF	#5, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	2.20	
		<i>For Up To 100, Add</i>		1.52	
		<i>For &gt;100 To 200, Add</i>		0.82	
		<i>For &gt;200 To 500, Add</i>		0.33	
03 21 11 00-0165	LF	#6, Grade 50, Elevated Slabs, Steel Reinforcement Bar	.....	3.04	
		<i>For Up To 100, Add</i>		2.14	
		<i>For &gt;100 To 200, Add</i>		1.15	
		<i>For &gt;200 To 500, Add</i>		0.46	
03 21 11 00-0166	LF	#3, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	0.89	
		<i>For Up To 100, Add</i>		0.60	
		<i>For &gt;100 To 200, Add</i>		0.33	
		<i>For &gt;200 To 500, Add</i>		0.13	
03 21 11 00-0167	LF	#4, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	1.52	
		<i>For Up To 100, Add</i>		1.05	
		<i>For &gt;100 To 200, Add</i>		0.57	
		<i>For &gt;200 To 500, Add</i>		0.23	
03 21 11 00-0168	LF	#5, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	2.28	
		<i>For Up To 100, Add</i>		1.60	
		<i>For &gt;100 To 200, Add</i>		0.86	
		<i>For &gt;200 To 500, Add</i>		0.34	
03 21 11 00-0169	LF	#6, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	3.16	
		<i>For Up To 100, Add</i>		2.26	
		<i>For &gt;100 To 200, Add</i>		1.21	
		<i>For &gt;200 To 500, Add</i>		0.48	
03 21 11 00-0170	LF	#7, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	4.10	
		<i>For Up To 100, Add</i>		2.34	
		<i>For &gt;100 To 200, Add</i>		1.36	
		<i>For &gt;200 To 400, Add</i>		0.64	
03 21 11 00-0171	LF	#8, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	5.09	
		<i>For Up To 100, Add</i>		2.96	
		<i>For &gt;100 To 200, Add</i>		1.71	
		<i>For &gt;200 To 400, Add</i>		0.80	
03 21 11 00-0172	LF	#9, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	6.29	
		<i>For Up To 100, Add</i>		3.70	
		<i>For &gt;100 To 200, Add</i>		2.14	
		<i>For &gt;200 To 400, Add</i>		1.00	
03 21 11 00-0173	LF	#10, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	7.69	
		<i>For Up To 100, Add</i>		3.73	
		<i>For &gt;100 To 200, Add</i>		2.01	
		<i>For &gt;200 To 300, Add</i>		1.01	
03 21 11 00-0174	LF	#11, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	9.17	
		<i>For Up To 100, Add</i>		4.51	
		<i>For &gt;100 To 200, Add</i>		2.42	
		<i>For &gt;200 To 300, Add</i>		1.21	
03 21 11 00-0175	LF	#14, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	12.72	
		<i>For Up To 100, Add</i>		6.35	
		<i>For &gt;100 To 200, Add</i>		3.39	
		<i>For &gt;200 To 300, Add</i>		1.69	
03 21 11 00-0176	LF	#18, Grade 60, Elevated Slabs, Steel Reinforcement Bar	.....	21.77	
		<i>For Up To 100, Add</i>		11.03	
		<i>For &gt;100 To 200, Add</i>		5.85	
		<i>For &gt;200 To 300, Add</i>		2.93	
03 21 11 00-0177	LF	#6, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	3.27	
		<i>For Up To 100, Add</i>		2.37	
		<i>For &gt;100 To 200, Add</i>		1.26	
		<i>For &gt;200 To 500, Add</i>		0.50	
03 21 11 00-0178	LF	#7, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	4.25	
		<i>For Up To 100, Add</i>		2.45	
		<i>For &gt;100 To 200, Add</i>		1.42	
		<i>For &gt;200 To 400, Add</i>		0.67	
03 21 11 00-0179	LF	#8, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	5.29	
		<i>For Up To 100, Add</i>		3.11	
		<i>For &gt;100 To 200, Add</i>		1.79	
		<i>For &gt;200 To 400, Add</i>		0.84	
03 21 11 00-0180	LF	#9, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	6.54	
		<i>For Up To 100, Add</i>		3.89	
		<i>For &gt;100 To 200, Add</i>		2.24	
		<i>For &gt;200 To 400, Add</i>		1.05	
03 21 11 00-0181	LF	#10, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	8.01	
		<i>For Up To 100, Add</i>		3.92	
		<i>For &gt;100 To 200, Add</i>		2.11	
		<i>For &gt;200 To 300, Add</i>		1.05	
03 21 11 00-0182	LF	#11, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	9.56	
		<i>For Up To 100, Add</i>		4.74	
		<i>For &gt;100 To 200, Add</i>		2.54	
		<i>For &gt;200 To 300, Add</i>		1.27	
03 21 11 00-0183	LF	#14, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	13.28	
		<i>For Up To 100, Add</i>		6.68	
		<i>For &gt;100 To 200, Add</i>		3.56	
		<i>For &gt;200 To 300, Add</i>		1.78	
03 21 11 00-0184	LF	#18, Grade 75, Elevated Slabs, Steel Reinforcement Bar	.....	22.77	
		<i>For Up To 100, Add</i>		11.63	
		<i>For &gt;100 To 200, Add</i>		6.15	
		<i>For &gt;200 To 300, Add</i>		3.08	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 21 11 00-0185	LF		#3, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	0.92	
				For Up To 100, Add	0.63	
				For >100 To 200, Add	0.34	
				For >200 To 500, Add	0.14	
	03 21 11 00-0186	LF		#4, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	1.55	
				For Up To 100, Add	1.08	
				For >100 To 200, Add	0.58	
				For >200 To 500, Add	0.23	
	03 21 11 00-0187	LF		#5, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	2.34	
				For Up To 100, Add	1.66	
				For >100 To 200, Add	0.89	
				For >200 To 500, Add	0.36	
	03 21 11 00-0188	LF		#6, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	3.24	
				For Up To 100, Add	2.34	
				For >100 To 200, Add	1.25	
				For >200 To 500, Add	0.50	
	03 21 11 00-0189	LF		#7, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	4.22	
				For Up To 100, Add	2.43	
				For >100 To 200, Add	1.41	
				For >200 To 400, Add	0.66	
	03 21 11 00-0190	LF		#8, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	5.24	
				For Up To 100, Add	3.07	
				For >100 To 200, Add	1.77	
				For >200 To 400, Add	0.83	
	03 21 11 00-0191	LF		#9, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	6.47	
				For Up To 100, Add	3.84	
				For >100 To 200, Add	2.21	
				For >200 To 400, Add	1.04	
	03 21 11 00-0192	LF		#10, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	7.93	
				For Up To 100, Add	3.87	
				For >100 To 200, Add	2.08	
				For >200 To 300, Add	1.04	
	03 21 11 00-0193	LF		#11, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	9.46	
				For Up To 100, Add	4.68	
				For >100 To 200, Add	2.51	
				For >200 To 300, Add	1.25	
	03 21 11 00-0194	LF		#14, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	13.14	
				For Up To 100, Add	6.60	
				For >100 To 200, Add	3.51	
				For >200 To 300, Add	1.76	
	03 21 11 00-0195	LF		#18, Grade 60, Elevated Slabs, Low Alloy Steel Reinforcement Bar.....	22.52	
				For Up To 100, Add	11.48	
				For >100 To 200, Add	6.08	
				For >200 To 300, Add	3.04	
	<b>03 21 11 00-0196</b>			<b>Walls, Steel Reinforcement Bar</b> <small>(03 21 11)</small>		
				Note: ASTM A-615 Plain Steel and A-706 Low Alloy Steel.		
	03 21 11 00-0197	LF		#3, Grade 40, Walls, Steel Reinforcement Bar.....	0.81	
				For Up To 100, Add	0.55	
				For >100 To 200, Add	0.30	
				For >200 To 500, Add	0.12	
	03 21 11 00-0198	LF		#4, Grade 40, Walls, Steel Reinforcement Bar.....	1.38	
				For Up To 100, Add	0.94	
				For >100 To 200, Add	0.51	
				For >200 To 500, Add	0.20	
	03 21 11 00-0199	LF		#5, Grade 40, Walls, Steel Reinforcement Bar.....	2.07	
				For Up To 100, Add	1.44	
				For >100 To 200, Add	0.77	
				For >200 To 500, Add	0.31	
	03 21 11 00-0200	LF		#6, Grade 40, Walls, Steel Reinforcement Bar.....	2.86	
				For Up To 100, Add	2.03	
				For >100 To 200, Add	1.08	
				For >200 To 500, Add	0.43	
	03 21 11 00-0201	LF		#3, Grade 50, Walls, Steel Reinforcement Bar.....	0.83	
				For Up To 100, Add	0.57	
				For >100 To 200, Add	0.31	
				For >200 To 500, Add	0.12	
	03 21 11 00-0202	LF		#4, Grade 50, Walls, Steel Reinforcement Bar.....	1.42	
				For Up To 100, Add	0.98	
				For >100 To 200, Add	0.53	
				For >200 To 500, Add	0.21	
	03 21 11 00-0203	LF		#5, Grade 50, Walls, Steel Reinforcement Bar.....	2.12	
				For Up To 100, Add	1.49	
				For >100 To 200, Add	0.80	
				For >200 To 500, Add	0.32	
	03 21 11 00-0204	LF		#6, Grade 50, Walls, Steel Reinforcement Bar.....	2.93	
				For Up To 100, Add	2.10	
				For >100 To 200, Add	1.12	
				For >200 To 500, Add	0.45	
	03 21 11 00-0205	LF		#3, Grade 60, Walls, Steel Reinforcement Bar.....	0.85	
				For Up To 100, Add	0.59	
				For >100 To 200, Add	0.32	
				For >200 To 500, Add	0.13	
	03 21 11 00-0206	LF		#4, Grade 60, Walls, Steel Reinforcement Bar.....	1.47	
				For Up To 100, Add	1.03	
				For >100 To 200, Add	0.55	
				For >200 To 500, Add	0.22	

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 21 11 00-0207	LF #5, Grade 60, Walls, Steel Reinforcement Bar	2.20	
	For Up To 100, Add	1.57	
	For >100 To 200, Add	0.84	
	For >200 To 500, Add	0.34	
03 21 11 00-0208	LF #6, Grade 60, Walls, Steel Reinforcement Bar	3.05	
	For Up To 100, Add	2.22	
	For >100 To 200, Add	1.18	
	For >200 To 500, Add	0.47	
03 21 11 00-0209	LF #7, Grade 60, Walls, Steel Reinforcement Bar	3.96	
	For Up To 100, Add	2.29	
	For >100 To 200, Add	1.33	
	For >200 To 400, Add	0.62	
03 21 11 00-0210	LF #8, Grade 60, Walls, Steel Reinforcement Bar	4.95	
	For Up To 100, Add	2.91	
	For >100 To 200, Add	1.68	
	For >200 To 400, Add	0.79	
03 21 11 00-0211	LF #9, Grade 60, Walls, Steel Reinforcement Bar	6.12	
	For Up To 100, Add	3.64	
	For >100 To 200, Add	2.09	
	For >200 To 400, Add	0.99	
03 21 11 00-0212	LF #10, Grade 60, Walls, Steel Reinforcement Bar	7.48	
	For Up To 100, Add	3.67	
	For >100 To 200, Add	1.97	
	For >200 To 300, Add	0.99	
03 21 11 00-0213	LF #11, Grade 60, Walls, Steel Reinforcement Bar	8.93	
	For Up To 100, Add	4.44	
	For >100 To 200, Add	2.37	
	For >200 To 300, Add	1.19	
03 21 11 00-0214	LF #14, Grade 60, Walls, Steel Reinforcement Bar	12.42	
	For Up To 100, Add	6.26	
	For >100 To 200, Add	3.33	
	For >200 To 300, Add	1.66	
03 21 11 00-0215	LF #18, Grade 60, Walls, Steel Reinforcement Bar	21.29	
	For Up To 100, Add	10.88	
	For >100 To 200, Add	5.76	
	For >200 To 300, Add	2.88	
03 21 11 00-0216	LF #6, Grade 75, Walls, Steel Reinforcement Bar	3.16	
	For Up To 100, Add	2.33	
	For >100 To 200, Add	1.23	
	For >200 To 500, Add	0.49	
03 21 11 00-0217	LF #7, Grade 75, Walls, Steel Reinforcement Bar	4.11	
	For Up To 100, Add	2.40	
	For >100 To 200, Add	1.39	
	For >200 To 400, Add	0.65	
03 21 11 00-0218	LF #8, Grade 75, Walls, Steel Reinforcement Bar	5.15	
	For Up To 100, Add	3.06	
	For >100 To 200, Add	1.76	
	For >200 To 400, Add	0.83	
03 21 11 00-0219	LF #9, Grade 75, Walls, Steel Reinforcement Bar	6.37	
	For Up To 100, Add	3.83	
	For >100 To 200, Add	2.19	
	For >200 To 400, Add	1.04	
03 21 11 00-0220	LF #10, Grade 75, Walls, Steel Reinforcement Bar	7.80	
	For Up To 100, Add	3.86	
	For >100 To 200, Add	2.07	
	For >200 To 300, Add	1.03	
03 21 11 00-0221	LF #11, Grade 75, Walls, Steel Reinforcement Bar	9.32	
	For Up To 100, Add	4.67	
	For >100 To 200, Add	2.49	
	For >200 To 300, Add	1.24	
03 21 11 00-0222	LF #14, Grade 75, Walls, Steel Reinforcement Bar	12.98	
	For Up To 100, Add	6.59	
	For >100 To 200, Add	3.50	
	For >200 To 300, Add	1.75	
03 21 11 00-0223	LF #18, Grade 75, Walls, Steel Reinforcement Bar	22.29	
	For Up To 100, Add	11.48	
	For >100 To 200, Add	6.06	
	For >200 To 300, Add	3.03	
03 21 11 00-0224	LF #3, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	0.88	
	For Up To 100, Add	0.62	
	For >100 To 200, Add	0.33	
	For >200 To 500, Add	0.13	
03 21 11 00-0225	LF #4, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	1.50	
	For Up To 100, Add	1.06	
	For >100 To 200, Add	0.57	
	For >200 To 500, Add	0.23	
03 21 11 00-0226	LF #5, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	2.26	
	For Up To 100, Add	1.63	
	For >100 To 200, Add	0.87	
	For >200 To 500, Add	0.35	
03 21 11 00-0227	LF #6, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	3.13	
	For Up To 100, Add	2.30	
	For >100 To 200, Add	1.22	
	For >200 To 500, Add	0.49	
03 21 11 00-0228	LF #7, Grade 60, Walls, Low Alloy Steel Reinforcement Bar	4.08	
	For Up To 100, Add	2.38	
	For >100 To 200, Add	1.38	
	For >200 To 400, Add	0.65	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 21 11 00-0229	LF		#8, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	5.10	
				For Up To 100, Add	3.02	
				For >100 To 200, Add	1.74	
				For >200 To 400, Add	0.82	
	03 21 11 00-0230	LF		#9, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	6.30	
				For Up To 100, Add	3.78	
				For >100 To 200, Add	2.16	
				For >200 To 400, Add	1.02	
	03 21 11 00-0231	LF		#10, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	7.72	
				For Up To 100, Add	3.81	
				For >100 To 200, Add	2.04	
				For >200 To 300, Add	1.02	
	03 21 11 00-0232	LF		#11, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	9.22	
				For Up To 100, Add	4.61	
				For >100 To 200, Add	2.46	
				For >200 To 300, Add	1.23	
	03 21 11 00-0233	LF		#14, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	12.84	
				For Up To 100, Add	6.51	
				For >100 To 200, Add	3.45	
				For >200 To 300, Add	1.73	
	03 21 11 00-0234	LF		#18, Grade 60, Walls, Low Alloy Steel Reinforcement Bar.....	22.04	
				For Up To 100, Add	11.33	
				For >100 To 200, Add	5.98	
				For >200 To 300, Add	2.99	
	03 21 11 00-0235			<b>Mechanical Joint Connection</b> (03 21 11)		
	03 21 11 00-0236			<b>Thermal Type Mechanical Joint Connection</b> (03 21 11 00-0235)		
	03 21 11 00-0237	EA		Thermal Type Mechanical Joint Connection, Add Per Splice.....	333.75	
	03 21 11 00-0238			<b>Screwed Type Mechanical Joint Connection</b> (03 21 11 00-0235)		
	03 21 11 00-0239	EA		Screwed Type Mechanical Joint Connection, Add Per Splice.....	184.33	
	03 21 11 00-0240			<b>Deformed Straight Dowels</b> (03 21 11)		
				Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.		
	03 21 11 00-0241	EA		3/8" Diameter x 24" Long, Deformed Straight Dowel.....	3.44	
				For Up To 12" Length, Deduct	-0.42	
				For >12" To <24" Length, Deduct	-0.21	
	03 21 11 00-0242	EA		1/2" Diameter x 24" Long, Deformed Straight Dowel.....	4.11	
				For Up To 12" Length, Deduct	-0.55	
				For >12" To <24" Length, Deduct	-0.28	
	03 21 11 00-0243	EA		5/8" Diameter x 24" Long, Deformed Straight Dowel.....	5.05	
				For Up To 12" Length, Deduct	-0.87	
				For >12" To <24" Length, Deduct	-0.44	
	03 21 11 00-0244	EA		3/4" Diameter x 24" Long, Deformed Straight Dowel.....	6.19	
				For Up To 12" Length, Deduct	-1.26	
				For >12" To <24" Length, Deduct	-0.63	
	03 21 11 00-0245	EA		7/8" Diameter x 24" Long, Deformed Straight Dowel.....	7.34	
				For Up To 12" Length, Deduct	-1.76	
				For >12" To <24" Length, Deduct	-0.88	
	03 21 11 00-0246	EA		1" Diameter x 24" Long, Deformed Straight Dowel.....	9.27	
				For Up To 12" Length, Deduct	-2.25	
				For >12" To <24" Length, Deduct	-1.12	
	03 21 11 00-0247	EA		1-1/8" Diameter x 24" Long, Deformed Straight Dowel.....	10.93	
				For Up To 12" Length, Deduct	-2.77	
				For >12" To <24" Length, Deduct	-1.39	
	03 21 11 00-0248	EA		1-1/4" Diameter x 24" Long, Deformed Straight Dowel.....	13.44	
				For Up To 12" Length, Deduct	-3.62	
				For >12" To <24" Length, Deduct	-1.81	
	03 21 11 00-0249	EA		1-3/8" Diameter x 24" Long, Deformed Straight Dowel.....	15.97	
				For Up To 12" Length, Deduct	-4.48	
				For >12" To <24" Length, Deduct	-2.24	
	03 21 11 00-0250			<b>Spirals, Reinforcing Steel</b> (03 21 11)		
	03 21 11 00-0251	TON		Up To 15" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,741.28	
				For Grade 75, Add	136.87	
	03 21 11 00-0252	TON		>15" To 24" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,671.29	
				For Grade 75, Add	136.87	
	03 21 11 00-0253	TON		>24" To 36" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,617.92	
				For Grade 75, Add	136.87	
	03 21 11 00-0254	TON		>36" To 48" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,530.59	
				For Grade 75, Add	136.87	
	03 21 11 00-0255	TON		>48" To 64" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,412.53	
				For Grade 75, Add	136.87	
	03 21 11 00-0256	TON		>64" To 84" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,340.61	
				For Grade 75, Add	140.23	
	03 21 11 00-0257	TON		>84" To 96" Diameter, Grade 60, Spirals, Reinforcing Steel.....	4,241.78	
				For Grade 75, Add	140.23	
	03 21 11 00-0258			<b>Accessories For Reinforcing Steel</b> (03 21 11)		
	03 21 11 00-0259			<b>Reinforcing Steel Lap-Weld Splice</b> (03 21 11 00-0258)		
	03 21 11 00-0260	EA		Up To #6 Reinforcing Steel Lap-Weld Splice.....	94.03	

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 11 00-0261 EA >#6 Reinforcing Steel Lap-Weld Splice .....	147.51	
<b>03 21 11 00-0262 Reinforcing Steel Sleeve And Wedge Splice Joint (03 21 11 00-0258)</b>		
03 21 11 00-0263 EA Up To #4 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	51.73	
03 21 11 00-0264 EA #5 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	75.02	
03 21 11 00-0265 EA #6 Reinforcing Steel, Sleeve And Wedge Splice Joint.....	107.62	
<b>03 21 13 Galvanized Reinforcement Steel Bars (03 21)</b>		
<b>03 21 13 00-0001 Beams And Girders, Galvanized Steel Reinforcement Bar (03 21 13)</b>		
Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0002 LF #3, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.25	
For Up To 100, Add	0.84	
For >100 To 200, Add	0.45	
For >200 To 500, Add	0.18	
03 21 13 00-0003 LF #4, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.11	
For Up To 100, Add	1.44	
For >100 To 200, Add	0.78	
For >200 To 500, Add	0.31	
03 21 13 00-0004 LF #5, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	3.16	
For Up To 100, Add	2.19	
For >100 To 200, Add	1.18	
For >200 To 500, Add	0.47	
03 21 13 00-0005 LF #6, Grade 40, Beams And Girders, Galvanized Steel Reinforcement Bar .....	4.36	
For Up To 100, Add	3.08	
For >100 To 200, Add	1.65	
For >200 To 500, Add	0.66	
03 21 13 00-0006 LF #3, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.27	
For Up To 100, Add	0.86	
For >100 To 200, Add	0.46	
For >200 To 500, Add	0.19	
03 21 13 00-0007 LF #4, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.14	
For Up To 100, Add	1.47	
For >100 To 200, Add	0.79	
For >200 To 500, Add	0.32	
03 21 13 00-0008 LF #5, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	3.22	
For Up To 100, Add	2.25	
For >100 To 200, Add	1.21	
For >200 To 500, Add	0.48	
03 21 13 00-0009 LF #6, Grade 50, Beams And Girders, Galvanized Steel Reinforcement Bar .....	4.44	
For Up To 100, Add	3.16	
For >100 To 200, Add	1.69	
For >200 To 500, Add	0.67	
03 21 13 00-0010 LF #3, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	1.29	
For Up To 100, Add	0.88	
For >100 To 200, Add	0.47	
For >200 To 500, Add	0.19	
03 21 13 00-0011 LF #4, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	2.19	
For Up To 100, Add	1.52	
For >100 To 200, Add	0.82	
For >200 To 500, Add	0.33	
03 21 13 00-0012 LF #5, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	3.29	
For Up To 100, Add	2.32	
For >100 To 200, Add	1.24	
For >200 To 500, Add	0.50	
03 21 13 00-0013 LF #6, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	4.55	
For Up To 100, Add	3.27	
For >100 To 200, Add	1.74	
For >200 To 500, Add	0.70	
03 21 13 00-0014 LF #7, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	5.91	
For Up To 100, Add	3.38	
For >100 To 200, Add	1.97	
For >200 To 400, Add	0.92	
03 21 13 00-0015 LF #8, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	7.37	
For Up To 100, Add	4.29	
For >100 To 200, Add	2.48	
For >200 To 400, Add	1.17	
03 21 13 00-0016 LF #9, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	9.08	
For Up To 100, Add	5.36	
For >100 To 200, Add	3.09	
For >200 To 400, Add	1.45	
03 21 13 00-0017 LF #10, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	11.12	
For Up To 100, Add	5.41	
For >100 To 200, Add	2.91	
For >200 To 300, Add	1.46	
03 21 13 00-0018 LF #11, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	13.25	
For Up To 100, Add	6.53	
For >100 To 200, Add	3.50	
For >200 To 300, Add	1.75	
03 21 13 00-0019 LF #14, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	18.39	
For Up To 100, Add	9.20	
For >100 To 200, Add	4.91	
For >200 To 300, Add	2.45	
03 21 13 00-0020 LF #18, Grade 60, Beams And Girders, Galvanized Steel Reinforcement Bar .....	31.49	
For Up To 100, Add	15.99	
For >100 To 200, Add	8.48	
For >200 To 300, Add	4.24	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0021	LF #6, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....		4.66	
	For Up To 100, Add		3.38	
	For >100 To 200, Add		1.80	
	For >200 To 500, Add		0.72	
03 21 13 00-0022	LF #7, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....		6.06	
	For Up To 100, Add		3.49	
	For >100 To 200, Add		2.03	
	For >200 To 400, Add		0.95	
03 21 13 00-0023	LF #8, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....		7.57	
	For Up To 100, Add		4.44	
	For >100 To 200, Add		2.56	
	For >200 To 400, Add		1.21	
03 21 13 00-0024	LF #9, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....		9.33	
	For Up To 100, Add		5.55	
	For >100 To 200, Add		3.19	
	For >200 To 400, Add		1.50	
03 21 13 00-0025	LF #10, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....		11.44	
	For Up To 100, Add		5.60	
	For >100 To 200, Add		3.01	
	For >200 To 300, Add		1.51	
03 21 13 00-0026	LF #11, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....		13.64	
	For Up To 100, Add		6.77	
	For >100 To 200, Add		3.62	
	For >200 To 300, Add		1.81	
03 21 13 00-0027	LF #14, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....		18.95	
	For Up To 100, Add		9.53	
	For >100 To 200, Add		5.07	
	For >200 To 300, Add		2.54	
03 21 13 00-0028	LF #18, Grade 75, Beams And Girders, Galvanized Steel Reinforcement Bar.....		32.48	
	For Up To 100, Add		16.58	
	For >100 To 200, Add		8.78	
	For >200 To 300, Add		4.39	

**03 21 13 00-0029 Columns, Galvanized Steel Reinforcement Bar** (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0030	LF #3, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....		1.30	
	For Up To 100, Add		0.86	
	For >100 To 200, Add		0.47	
	For >200 To 500, Add		0.19	
03 21 13 00-0031	LF #4, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....		2.24	
	For Up To 100, Add		1.49	
	For >100 To 200, Add		0.81	
	For >200 To 500, Add		0.32	
03 21 13 00-0032	LF #5, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....		3.32	
	For Up To 100, Add		2.25	
	For >100 To 200, Add		1.22	
	For >200 To 500, Add		0.49	
03 21 13 00-0033	LF #6, Grade 40, Columns, Galvanized Steel Reinforcement Bar.....		4.57	
	For Up To 100, Add		3.16	
	For >100 To 200, Add		1.70	
	For >200 To 500, Add		0.68	
03 21 13 00-0034	LF #3, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....		1.32	
	For Up To 100, Add		0.88	
	For >100 To 200, Add		0.48	
	For >200 To 500, Add		0.19	
03 21 13 00-0035	LF #4, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....		2.27	
	For Up To 100, Add		1.52	
	For >100 To 200, Add		0.82	
	For >200 To 500, Add		0.33	
03 21 13 00-0036	LF #5, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....		3.38	
	For Up To 100, Add		2.31	
	For >100 To 200, Add		1.25	
	For >200 To 500, Add		0.50	
03 21 13 00-0037	LF #6, Grade 50, Columns, Galvanized Steel Reinforcement Bar.....		4.65	
	For Up To 100, Add		3.24	
	For >100 To 200, Add		1.74	
	For >200 To 500, Add		0.70	
03 21 13 00-0038	LF #3, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....		1.34	
	For Up To 100, Add		0.90	
	For >100 To 200, Add		0.49	
	For >200 To 500, Add		0.19	
03 21 13 00-0039	LF #4, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....		2.32	
	For Up To 100, Add		1.57	
	For >100 To 200, Add		0.85	
	For >200 To 500, Add		0.34	
03 21 13 00-0040	LF #5, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....		3.45	
	For Up To 100, Add		2.38	
	For >100 To 200, Add		1.28	
	For >200 To 500, Add		0.51	
03 21 13 00-0041	LF #6, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....		4.76	
	For Up To 100, Add		3.35	
	For >100 To 200, Add		1.79	
	For >200 To 500, Add		0.72	
03 21 13 00-0042	LF #7, Grade 60, Columns, Galvanized Steel Reinforcement Bar.....		6.18	
	For Up To 100, Add		3.48	
	For >100 To 200, Add		2.04	
	For >200 To 400, Add		0.95	



**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21	13 00-0043	LF	#8, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	7.67	
			For Up To 100, Add	4.40	
			For >100 To 200, Add	2.56	
			For >200 To 400, Add	1.20	
03 21	13 00-0044	LF	#9, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	9.44	
			For Up To 100, Add	5.48	
			For >100 To 200, Add	3.18	
			For >200 To 400, Add	1.49	
03 21	13 00-0045	LF	#10, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	11.53	
			For Up To 100, Add	5.53	
			For >100 To 200, Add	3.00	
			For >200 To 300, Add	1.50	
03 21	13 00-0046	LF	#11, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	13.71	
			For Up To 100, Add	6.67	
			For >100 To 200, Add	3.59	
			For >200 To 300, Add	1.80	
03 21	13 00-0047	LF	#14, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	19.01	
			For Up To 100, Add	9.38	
			For >100 To 200, Add	5.03	
			For >200 To 300, Add	2.51	
03 21	13 00-0048	LF	#18, Grade 60, Columns, Galvanized Steel Reinforcement Bar .....	32.44	
			For Up To 100, Add	16.28	
			For >100 To 200, Add	8.67	
			For >200 To 300, Add	4.33	
03 21	13 00-0049	LF	#6, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	4.87	
			For Up To 100, Add	3.46	
			For >100 To 200, Add	1.85	
			For >200 To 500, Add	0.74	
03 21	13 00-0050	LF	#7, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	6.33	
			For Up To 100, Add	3.59	
			For >100 To 200, Add	2.10	
			For >200 To 400, Add	0.98	
03 21	13 00-0051	LF	#8, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	7.87	
			For Up To 100, Add	4.55	
			For >100 To 200, Add	2.64	
			For >200 To 400, Add	1.24	
03 21	13 00-0052	LF	#9, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	9.69	
			For Up To 100, Add	5.67	
			For >100 To 200, Add	3.28	
			For >200 To 400, Add	1.54	
03 21	13 00-0053	LF	#10, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	11.85	
			For Up To 100, Add	5.72	
			For >100 To 200, Add	3.09	
			For >200 To 300, Add	1.55	
03 21	13 00-0054	LF	#11, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	14.10	
			For Up To 100, Add	6.90	
			For >100 To 200, Add	3.71	
			For >200 To 300, Add	1.86	
03 21	13 00-0055	LF	#14, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	19.57	
			For Up To 100, Add	9.72	
			For >100 To 200, Add	5.20	
			For >200 To 300, Add	2.60	
03 21	13 00-0056	LF	#18, Grade 75, Columns, Galvanized Steel Reinforcement Bar .....	33.43	
			For Up To 100, Add	16.87	
			For >100 To 200, Add	8.97	
			For >200 To 300, Add	4.48	
03 21	13 00-0057		<b>Footings, Galvanized Steel Reinforcement Bar</b> (03 21 13)		
			Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21	13 00-0058	LF	#3, Grade 40, Footings, Galvanized Steel Reinforcement Bar .....	1.14	
			For Up To 100, Add	0.79	
			For >100 To 200, Add	0.43	
			For >200 To 500, Add	0.17	
03 21	13 00-0059	LF	#4, Grade 40, Footings, Galvanized Steel Reinforcement Bar .....	1.95	
			For Up To 100, Add	1.37	
			For >100 To 200, Add	0.74	
			For >200 To 500, Add	0.29	
03 21	13 00-0060	LF	#5, Grade 40, Footings, Galvanized Steel Reinforcement Bar .....	2.93	
			For Up To 100, Add	2.10	
			For >100 To 200, Add	1.12	
			For >200 To 500, Add	0.45	
03 21	13 00-0061	LF	#6, Grade 40, Footings, Galvanized Steel Reinforcement Bar .....	4.04	
			For Up To 100, Add	2.95	
			For >100 To 200, Add	1.57	
			For >200 To 500, Add	0.63	
03 21	13 00-0062	LF	#3, Grade 50, Footings, Galvanized Steel Reinforcement Bar .....	1.16	
			For Up To 100, Add	0.81	
			For >100 To 200, Add	0.44	
			For >200 To 500, Add	0.17	
03 21	13 00-0063	LF	#4, Grade 50, Footings, Galvanized Steel Reinforcement Bar .....	1.98	
			For Up To 100, Add	1.40	
			For >100 To 200, Add	0.75	
			For >200 To 500, Add	0.30	
03 21	13 00-0064	LF	#5, Grade 50, Footings, Galvanized Steel Reinforcement Bar .....	2.99	
			For Up To 100, Add	2.16	
			For >100 To 200, Add	1.15	
			For >200 To 500, Add	0.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
03 21 13 00-0065	LF	#6, Grade 50, Footings, Galvanized Steel Reinforcement Bar	.....	4.12	
		For Up To 100, Add		3.03	
		For >100 To 200, Add		1.61	
		For >200 To 500, Add		0.64	
03 21 13 00-0066	LF	#3, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	1.18	
		For Up To 100, Add		0.83	
		For >100 To 200, Add		0.45	
		For >200 To 500, Add		0.18	
03 21 13 00-0067	LF	#4, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	2.03	
		For Up To 100, Add		1.45	
		For >100 To 200, Add		0.78	
		For >200 To 500, Add		0.31	
03 21 13 00-0068	LF	#5, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	3.06	
		For Up To 100, Add		2.23	
		For >100 To 200, Add		1.18	
		For >200 To 500, Add		0.47	
03 21 13 00-0069	LF	#6, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	4.23	
		For Up To 100, Add		3.14	
		For >100 To 200, Add		1.66	
		For >200 To 500, Add		0.66	
03 21 13 00-0070	LF	#7, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	5.52	
		For Up To 100, Add		3.24	
		For >100 To 200, Add		1.87	
		For >200 To 400, Add		0.88	
03 21 13 00-0071	LF	#8, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	6.91	
		For Up To 100, Add		4.13	
		For >100 To 200, Add		2.37	
		For >200 To 400, Add		1.12	
03 21 13 00-0072	LF	#9, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	8.52	
		For Up To 100, Add		5.16	
		For >100 To 200, Add		2.95	
		For >200 To 400, Add		1.40	
03 21 13 00-0073	LF	#10, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	10.47	
		For Up To 100, Add		5.21	
		For >100 To 200, Add		2.78	
		For >200 To 300, Add		1.39	
03 21 13 00-0074	LF	#11, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	12.54	
		For Up To 100, Add		6.32	
		For >100 To 200, Add		3.36	
		For >200 To 300, Add		1.68	
03 21 13 00-0075	LF	#14, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	17.48	
		For Up To 100, Add		8.93	
		For >100 To 200, Add		4.72	
		For >200 To 300, Add		2.36	
03 21 13 00-0076	LF	#18, Grade 60, Footings, Galvanized Steel Reinforcement Bar	.....	30.02	
		For Up To 100, Add		15.55	
		For >100 To 200, Add		8.19	
		For >200 To 300, Add		4.09	
03 21 13 00-0077	LF	#6, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	4.34	
		For Up To 100, Add		3.25	
		For >100 To 200, Add		1.72	
		For >200 To 500, Add		0.69	
03 21 13 00-0078	LF	#7, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	5.67	
		For Up To 100, Add		3.36	
		For >100 To 200, Add		1.93	
		For >200 To 400, Add		0.91	
03 21 13 00-0079	LF	#8, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	7.11	
		For Up To 100, Add		4.28	
		For >100 To 200, Add		2.45	
		For >200 To 400, Add		1.16	
03 21 13 00-0080	LF	#9, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	8.77	
		For Up To 100, Add		5.35	
		For >100 To 200, Add		3.05	
		For >200 To 400, Add		1.45	
03 21 13 00-0081	LF	#10, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	10.79	
		For Up To 100, Add		5.40	
		For >100 To 200, Add		2.88	
		For >200 To 300, Add		1.44	
03 21 13 00-0082	LF	#11, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	12.93	
		For Up To 100, Add		6.55	
		For >100 To 200, Add		3.48	
		For >200 To 300, Add		1.74	
03 21 13 00-0083	LF	#14, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	18.04	
		For Up To 100, Add		9.26	
		For >100 To 200, Add		4.89	
		For >200 To 300, Add		2.45	
03 21 13 00-0084	LF	#18, Grade 75, Footings, Galvanized Steel Reinforcement Bar	.....	31.01	
		For Up To 100, Add		16.14	
		For >100 To 200, Add		8.48	
		For >200 To 300, Add		4.24	
<b>03 21 13 00-0085</b>		<b>Slab On Grade, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>			
		Note: ASTM A-767 Hot Dipped Galvanized Steel.			
03 21 13 00-0086	LF	#3, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	.....	1.11	
		For Up To 100, Add		0.78	
		For >100 To 200, Add		0.42	
		For >200 To 500, Add		0.17	

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 21 13 00-0087	LF #4, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	1.89	
	For Up To 100, Add	1.35	
	For >100 To 200, Add	0.72	
	For >200 To 500, Add	0.29	
03 21 13 00-0088	LF #5, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	2.84	
	For Up To 100, Add	2.06	
	For >100 To 200, Add	1.10	
	For >200 To 500, Add	0.44	
03 21 13 00-0089	LF #6, Grade 40, Slab On Grade, Galvanized Steel Reinforcement Bar	3.93	
	For Up To 100, Add	2.90	
	For >100 To 200, Add	1.54	
	For >200 To 500, Add	0.62	
03 21 13 00-0090	LF #3, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.13	
	For Up To 100, Add	0.80	
	For >100 To 200, Add	0.43	
	For >200 To 500, Add	0.17	
03 21 13 00-0091	LF #4, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	1.92	
	For Up To 100, Add	1.38	
	For >100 To 200, Add	0.74	
	For >200 To 500, Add	0.29	
03 21 13 00-0092	LF #5, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	2.90	
	For Up To 100, Add	2.12	
	For >100 To 200, Add	1.13	
	For >200 To 500, Add	0.45	
03 21 13 00-0093	LF #6, Grade 50, Slab On Grade, Galvanized Steel Reinforcement Bar	4.01	
	For Up To 100, Add	2.98	
	For >100 To 200, Add	1.58	
	For >200 To 500, Add	0.63	
03 21 13 00-0094	LF #3, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.15	
	For Up To 100, Add	0.82	
	For >100 To 200, Add	0.44	
	For >200 To 500, Add	0.18	
03 21 13 00-0095	LF #4, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	1.97	
	For Up To 100, Add	1.43	
	For >100 To 200, Add	0.76	
	For >200 To 500, Add	0.30	
03 21 13 00-0096	LF #5, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	2.97	
	For Up To 100, Add	2.19	
	For >100 To 200, Add	1.16	
	For >200 To 500, Add	0.46	
03 21 13 00-0097	LF #6, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	4.12	
	For Up To 100, Add	3.09	
	For >100 To 200, Add	1.63	
	For >200 To 500, Add	0.65	
03 21 13 00-0098	LF #7, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	5.40	
	For Up To 100, Add	3.20	
	For >100 To 200, Add	1.84	
	For >200 To 400, Add	0.87	
03 21 13 00-0099	LF #8, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	6.75	
	For Up To 100, Add	4.07	
	For >100 To 200, Add	2.33	
	For >200 To 400, Add	1.10	
03 21 13 00-0100	LF #9, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	8.35	
	For Up To 100, Add	5.10	
	For >100 To 200, Add	2.91	
	For >200 To 400, Add	1.38	
03 21 13 00-0101	LF #10, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	10.26	
	For Up To 100, Add	5.15	
	For >100 To 200, Add	2.74	
	For >200 To 300, Add	1.37	
03 21 13 00-0102	LF #11, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	12.31	
	For Up To 100, Add	6.25	
	For >100 To 200, Add	3.31	
	For >200 To 300, Add	1.66	
03 21 13 00-0103	LF #14, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	17.16	
	For Up To 100, Add	8.83	
	For >100 To 200, Add	4.66	
	For >200 To 300, Add	2.33	
03 21 13 00-0104	LF #18, Grade 60, Slab On Grade, Galvanized Steel Reinforcement Bar	29.55	
	For Up To 100, Add	15.41	
	For >100 To 200, Add	8.09	
	For >200 To 300, Add	4.05	
03 21 13 00-0105	LF #6, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	4.23	
	For Up To 100, Add	3.20	
	For >100 To 200, Add	1.69	
	For >200 To 500, Add	0.68	
03 21 13 00-0106	LF #7, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	5.55	
	For Up To 100, Add	3.31	
	For >100 To 200, Add	1.90	
	For >200 To 400, Add	0.90	
03 21 13 00-0107	LF #8, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	6.95	
	For Up To 100, Add	4.22	
	For >100 To 200, Add	2.41	
	For >200 To 400, Add	1.14	
03 21 13 00-0108	LF #9, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar	8.60	
	For Up To 100, Add	5.29	
	For >100 To 200, Add	3.01	
	For >200 To 400, Add	1.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0109	LF	#10, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar		10.58	
		For Up To 100, Add		5.34	
		For >100 To 200, Add		2.84	
		For >200 To 300, Add		1.42	
03 21 13 00-0110	LF	#11, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar		12.70	
		For Up To 100, Add		6.48	
		For >100 To 200, Add		3.43	
		For >200 To 300, Add		1.72	
03 21 13 00-0111	LF	#14, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar		17.72	
		For Up To 100, Add		9.17	
		For >100 To 200, Add		4.83	
		For >200 To 300, Add		2.41	
03 21 13 00-0112	LF	#18, Grade 75, Slab On Grade, Galvanized Steel Reinforcement Bar		30.54	
		For Up To 100, Add		16.00	
		For >100 To 200, Add		8.39	
		For >200 To 300, Add		4.19	

**03 21 13 00-0113 Elevated Slabs, Galvanized Steel Reinforcement Bar** (03 21 13)

Note: ASTM A-767 Hot Dipped Galvanized Steel.

03 21 13 00-0114	LF	#3, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar		1.04	
		For Up To 100, Add		0.75	
		For >100 To 200, Add		0.40	
		For >200 To 500, Add		0.16	
03 21 13 00-0115	LF	#4, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar		1.77	
		For Up To 100, Add		1.30	
		For >100 To 200, Add		0.69	
		For >200 To 500, Add		0.28	
03 21 13 00-0116	LF	#5, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar		2.67	
		For Up To 100, Add		1.99	
		For >100 To 200, Add		1.05	
		For >200 To 500, Add		0.42	
03 21 13 00-0117	LF	#6, Grade 40, Elevated Slabs, Galvanized Steel Reinforcement Bar		3.72	
		For Up To 100, Add		2.82	
		For >100 To 200, Add		1.49	
		For >200 To 500, Add		0.59	
03 21 13 00-0118	LF	#3, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar		1.06	
		For Up To 100, Add		0.77	
		For >100 To 200, Add		0.41	
		For >200 To 500, Add		0.16	
03 21 13 00-0119	LF	#4, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar		1.80	
		For Up To 100, Add		1.33	
		For >100 To 200, Add		0.71	
		For >200 To 500, Add		0.28	
03 21 13 00-0120	LF	#5, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar		2.73	
		For Up To 100, Add		2.05	
		For >100 To 200, Add		1.08	
		For >200 To 500, Add		0.43	
03 21 13 00-0121	LF	#6, Grade 50, Elevated Slabs, Galvanized Steel Reinforcement Bar		3.80	
		For Up To 100, Add		2.90	
		For >100 To 200, Add		1.53	
		For >200 To 500, Add		0.61	
03 21 13 00-0122	LF	#3, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		1.08	
		For Up To 100, Add		0.79	
		For >100 To 200, Add		0.42	
		For >200 To 500, Add		0.17	
03 21 13 00-0123	LF	#4, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		1.85	
		For Up To 100, Add		1.38	
		For >100 To 200, Add		0.73	
		For >200 To 500, Add		0.29	
03 21 13 00-0124	LF	#5, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		2.80	
		For Up To 100, Add		2.12	
		For >100 To 200, Add		1.12	
		For >200 To 500, Add		0.45	
03 21 13 00-0125	LF	#6, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		3.91	
		For Up To 100, Add		3.01	
		For >100 To 200, Add		1.58	
		For >200 To 500, Add		0.63	
03 21 13 00-0126	LF	#7, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		5.13	
		For Up To 100, Add		3.11	
		For >100 To 200, Add		1.77	
		For >200 To 400, Add		0.84	
03 21 13 00-0127	LF	#8, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		6.43	
		For Up To 100, Add		3.96	
		For >100 To 200, Add		2.25	
		For >200 To 400, Add		1.07	
03 21 13 00-0128	LF	#9, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		7.99	
		For Up To 100, Add		4.98	
		For >100 To 200, Add		2.82	
		For >200 To 400, Add		1.34	
03 21 13 00-0129	LF	#10, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		9.85	
		For Up To 100, Add		5.03	
		For >100 To 200, Add		2.66	
		For >200 To 300, Add		1.33	
03 21 13 00-0130	LF	#11, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar		11.83	
		For Up To 100, Add		6.11	
		For >100 To 200, Add		3.22	
		For >200 To 300, Add		1.61	

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 13 00-0131	LF		#14, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	16.56	
			For Up To 100, Add	8.65	
			For >100 To 200, Add	4.54	
			For >200 To 300, Add	2.27	
03 21 13 00-0132	LF		#18, Grade 60, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	28.59	
			For Up To 100, Add	15.12	
			For >100 To 200, Add	7.90	
			For >200 To 300, Add	3.95	
03 21 13 00-0133	LF		#6, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	4.02	
			For Up To 100, Add	3.12	
			For >100 To 200, Add	1.64	
			For >200 To 500, Add	0.65	
03 21 13 00-0134	LF		#7, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	5.28	
			For Up To 100, Add	3.22	
			For >100 To 200, Add	1.83	
			For >200 To 400, Add	0.87	
03 21 13 00-0135	LF		#8, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	6.63	
			For Up To 100, Add	4.11	
			For >100 To 200, Add	2.33	
			For >200 To 400, Add	1.11	
03 21 13 00-0136	LF		#9, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	8.24	
			For Up To 100, Add	5.16	
			For >100 To 200, Add	2.92	
			For >200 To 400, Add	1.39	
03 21 13 00-0137	LF		#10, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	10.17	
			For Up To 100, Add	5.22	
			For >100 To 200, Add	2.76	
			For >200 To 300, Add	1.38	
03 21 13 00-0138	LF		#11, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	12.22	
			For Up To 100, Add	6.34	
			For >100 To 200, Add	3.34	
			For >200 To 300, Add	1.67	
03 21 13 00-0139	LF		#14, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	17.12	
			For Up To 100, Add	8.99	
			For >100 To 200, Add	4.71	
			For >200 To 300, Add	2.35	
03 21 13 00-0140	LF		#18, Grade 75, Elevated Slabs, Galvanized Steel Reinforcement Bar .....	29.58	
			For Up To 100, Add	15.71	
			For >100 To 200, Add	8.20	
			For >200 To 300, Add	4.10	
03 21 13 00-0141			<b>Walls, Galvanized Steel Reinforcement Bar</b> <small>(03 21 13)</small>		
			Note: ASTM A-767 Hot Dipped Galvanized Steel.		
03 21 13 00-0142	LF		#3, Grade 40, Walls, Galvanized Steel Reinforcement Bar .....	1.00	
			For Up To 100, Add	0.74	
			For >100 To 200, Add	0.39	
			For >200 To 500, Add	0.16	
03 21 13 00-0143	LF		#4, Grade 40, Walls, Galvanized Steel Reinforcement Bar .....	1.72	
			For Up To 100, Add	1.28	
			For >100 To 200, Add	0.68	
			For >200 To 500, Add	0.27	
03 21 13 00-0144	LF		#5, Grade 40, Walls, Galvanized Steel Reinforcement Bar .....	2.59	
			For Up To 100, Add	1.96	
			For >100 To 200, Add	1.03	
			For >200 To 500, Add	0.41	
03 21 13 00-0145	LF		#6, Grade 40, Walls, Galvanized Steel Reinforcement Bar .....	3.61	
			For Up To 100, Add	2.78	
			For >100 To 200, Add	1.46	
			For >200 To 500, Add	0.58	
03 21 13 00-0146	LF		#3, Grade 50, Walls, Galvanized Steel Reinforcement Bar .....	1.02	
			For Up To 100, Add	0.76	
			For >100 To 200, Add	0.40	
			For >200 To 500, Add	0.16	
03 21 13 00-0147	LF		#4, Grade 50, Walls, Galvanized Steel Reinforcement Bar .....	1.75	
			For Up To 100, Add	1.31	
			For >100 To 200, Add	0.69	
			For >200 To 500, Add	0.28	
03 21 13 00-0148	LF		#5, Grade 50, Walls, Galvanized Steel Reinforcement Bar .....	2.65	
			For Up To 100, Add	2.02	
			For >100 To 200, Add	1.06	
			For >200 To 500, Add	0.43	
03 21 13 00-0149	LF		#6, Grade 50, Walls, Galvanized Steel Reinforcement Bar .....	3.69	
			For Up To 100, Add	2.86	
			For >100 To 200, Add	1.50	
			For >200 To 500, Add	0.60	
03 21 13 00-0150	LF		#3, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	1.04	
			For Up To 100, Add	0.78	
			For >100 To 200, Add	0.41	
			For >200 To 500, Add	0.16	
03 21 13 00-0151	LF		#4, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	1.80	
			For Up To 100, Add	1.36	
			For >100 To 200, Add	0.72	
			For >200 To 500, Add	0.29	
03 21 13 00-0152	LF		#5, Grade 60, Walls, Galvanized Steel Reinforcement Bar .....	2.72	
			For Up To 100, Add	2.09	
			For >100 To 200, Add	1.10	
			For >200 To 500, Add	0.44	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 13 00-0153	LF	#6, Grade 60, Walls, Galvanized Steel Reinforcement Bar		3.80	
		For Up To 100, Add		2.97	
		For >100 To 200, Add		1.55	
		For >200 To 500, Add		0.62	
03 21 13 00-0154	LF	#7, Grade 60, Walls, Galvanized Steel Reinforcement Bar		4.99	
		For Up To 100, Add		3.06	
		For >100 To 200, Add		1.74	
		For >200 To 400, Add		0.83	
03 21 13 00-0155	LF	#8, Grade 60, Walls, Galvanized Steel Reinforcement Bar		6.29	
		For Up To 100, Add		3.91	
		For >100 To 200, Add		2.21	
		For >200 To 400, Add		1.06	
03 21 13 00-0156	LF	#9, Grade 60, Walls, Galvanized Steel Reinforcement Bar		7.82	
		For Up To 100, Add		4.92	
		For >100 To 200, Add		2.77	
		For >200 To 400, Add		1.33	
03 21 13 00-0157	LF	#10, Grade 60, Walls, Galvanized Steel Reinforcement Bar		9.64	
		For Up To 100, Add		4.96	
		For >100 To 200, Add		2.62	
		For >200 To 300, Add		1.31	
03 21 13 00-0158	LF	#11, Grade 60, Walls, Galvanized Steel Reinforcement Bar		11.59	
		For Up To 100, Add		6.03	
		For >100 To 200, Add		3.17	
		For >200 To 300, Add		1.59	
03 21 13 00-0159	LF	#14, Grade 60, Walls, Galvanized Steel Reinforcement Bar		16.26	
		For Up To 100, Add		8.56	
		For >100 To 200, Add		4.48	
		For >200 To 300, Add		2.24	
03 21 13 00-0160	LF	#18, Grade 60, Walls, Galvanized Steel Reinforcement Bar		28.11	
		For Up To 100, Add		14.98	
		For >100 To 200, Add		7.80	
		For >200 To 300, Add		3.90	
03 21 13 00-0161	LF	#6, Grade 75, Walls, Galvanized Steel Reinforcement Bar		3.91	
		For Up To 100, Add		3.08	
		For >100 To 200, Add		1.61	
		For >200 To 500, Add		0.64	
03 21 13 00-0162	LF	#7, Grade 75, Walls, Galvanized Steel Reinforcement Bar		5.14	
		For Up To 100, Add		3.17	
		For >100 To 200, Add		1.80	
		For >200 To 400, Add		0.86	
03 21 13 00-0163	LF	#8, Grade 75, Walls, Galvanized Steel Reinforcement Bar		6.49	
		For Up To 100, Add		4.06	
		For >100 To 200, Add		2.29	
		For >200 To 400, Add		1.10	
03 21 13 00-0164	LF	#9, Grade 75, Walls, Galvanized Steel Reinforcement Bar		8.07	
		For Up To 100, Add		5.10	
		For >100 To 200, Add		2.87	
		For >200 To 400, Add		1.38	
03 21 13 00-0165	LF	#10, Grade 75, Walls, Galvanized Steel Reinforcement Bar		9.96	
		For Up To 100, Add		5.15	
		For >100 To 200, Add		2.71	
		For >200 To 300, Add		1.36	
03 21 13 00-0166	LF	#11, Grade 75, Walls, Galvanized Steel Reinforcement Bar		11.98	
		For Up To 100, Add		6.27	
		For >100 To 200, Add		3.29	
		For >200 To 300, Add		1.64	
03 21 13 00-0167	LF	#14, Grade 75, Walls, Galvanized Steel Reinforcement Bar		16.82	
		For Up To 100, Add		8.90	
		For >100 To 200, Add		4.65	
		For >200 To 300, Add		2.32	
03 21 13 00-0168	LF	#18, Grade 75, Walls, Galvanized Steel Reinforcement Bar		29.10	
		For Up To 100, Add		15.57	
		For >100 To 200, Add		8.10	
		For >200 To 300, Add		4.05	

**03 21 16 Epoxy-Coated Reinforcement Steel Bars (03 21)**

**03 21 16 00-0001 Beams And Girders, Epoxy Coated Steel Reinforcement Bar (03 21 16)**

Note: ASTM A-775 Epoxy Coated Steel.

03 21 16 00-0002	LF	#3, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		1.23	
		For Up To 100, Add		0.82	
		For >100 To 200, Add		0.44	
		For >200 To 500, Add		0.18	
03 21 16 00-0003	LF	#4, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		2.07	
		For Up To 100, Add		1.40	
		For >100 To 200, Add		0.76	
		For >200 To 500, Add		0.30	
03 21 16 00-0004	LF	#5, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		3.11	
		For Up To 100, Add		2.14	
		For >100 To 200, Add		1.15	
		For >200 To 500, Add		0.46	
03 21 16 00-0005	LF	#6, Grade 40, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		4.28	
		For Up To 100, Add		3.00	
		For >100 To 200, Add		1.61	
		For >200 To 500, Add		0.64	
03 21 16 00-0006	LF	#3, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar		1.24	
		For Up To 100, Add		0.83	
		For >100 To 200, Add		0.45	
		For >200 To 500, Add		0.18	

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0007	LF	#4, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.11	
		<i>For Up To 100, Add</i>		1.44	
		<i>For &gt;100 To 200, Add</i>		0.78	
		<i>For &gt;200 To 500, Add</i>		0.31	
03 21 16 00-0008	LF	#5, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.16	
		<i>For Up To 100, Add</i>		2.19	
		<i>For &gt;100 To 200, Add</i>		1.18	
		<i>For &gt;200 To 500, Add</i>		0.47	
03 21 16 00-0009	LF	#6, Grade 50, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	4.36	
		<i>For Up To 100, Add</i>		3.08	
		<i>For &gt;100 To 200, Add</i>		1.65	
		<i>For &gt;200 To 500, Add</i>		0.66	
03 21 16 00-0010	LF	#3, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	1.27	
		<i>For Up To 100, Add</i>		0.86	
		<i>For &gt;100 To 200, Add</i>		0.46	
		<i>For &gt;200 To 500, Add</i>		0.19	
03 21 16 00-0011	LF	#4, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	2.15	
		<i>For Up To 100, Add</i>		1.48	
		<i>For &gt;100 To 200, Add</i>		0.80	
		<i>For &gt;200 To 500, Add</i>		0.32	
03 21 16 00-0012	LF	#5, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	3.24	
		<i>For Up To 100, Add</i>		2.27	
		<i>For &gt;100 To 200, Add</i>		1.22	
		<i>For &gt;200 To 500, Add</i>		0.49	
03 21 16 00-0013	LF	#6, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	4.47	
		<i>For Up To 100, Add</i>		3.19	
		<i>For &gt;100 To 200, Add</i>		1.70	
		<i>For &gt;200 To 500, Add</i>		0.68	
03 21 16 00-0014	LF	#7, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	5.80	
		<i>For Up To 100, Add</i>		3.30	
		<i>For &gt;100 To 200, Add</i>		1.93	
		<i>For &gt;200 To 400, Add</i>		0.90	
03 21 16 00-0015	LF	#8, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	7.23	
		<i>For Up To 100, Add</i>		4.19	
		<i>For &gt;100 To 200, Add</i>		2.43	
		<i>For &gt;200 To 400, Add</i>		1.14	
03 21 16 00-0016	LF	#9, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	8.90	
		<i>For Up To 100, Add</i>		5.22	
		<i>For &gt;100 To 200, Add</i>		3.02	
		<i>For &gt;200 To 400, Add</i>		1.42	
03 21 16 00-0017	LF	#10, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	10.89	
		<i>For Up To 100, Add</i>		5.27	
		<i>For &gt;100 To 200, Add</i>		2.85	
		<i>For &gt;200 To 300, Add</i>		1.42	
03 21 16 00-0018	LF	#11, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	12.96	
		<i>For Up To 100, Add</i>		6.36	
		<i>For &gt;100 To 200, Add</i>		3.42	
		<i>For &gt;200 To 300, Add</i>		1.71	
03 21 16 00-0019	LF	#14, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	17.97	
		<i>For Up To 100, Add</i>		8.95	
		<i>For &gt;100 To 200, Add</i>		4.78	
		<i>For &gt;200 To 300, Add</i>		2.39	
03 21 16 00-0020	LF	#18, Grade 60, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	30.75	
		<i>For Up To 100, Add</i>		15.55	
		<i>For &gt;100 To 200, Add</i>		8.26	
		<i>For &gt;200 To 300, Add</i>		4.13	
03 21 16 00-0021	LF	#6, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	4.58	
		<i>For Up To 100, Add</i>		3.30	
		<i>For &gt;100 To 200, Add</i>		1.76	
		<i>For &gt;200 To 500, Add</i>		0.70	
03 21 16 00-0022	LF	#7, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	5.95	
		<i>For Up To 100, Add</i>		3.41	
		<i>For &gt;100 To 200, Add</i>		1.99	
		<i>For &gt;200 To 400, Add</i>		0.93	
03 21 16 00-0023	LF	#8, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	7.42	
		<i>For Up To 100, Add</i>		4.33	
		<i>For &gt;100 To 200, Add</i>		2.50	
		<i>For &gt;200 To 400, Add</i>		1.18	
03 21 16 00-0024	LF	#9, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	9.15	
		<i>For Up To 100, Add</i>		5.41	
		<i>For &gt;100 To 200, Add</i>		3.12	
		<i>For &gt;200 To 400, Add</i>		1.47	
03 21 16 00-0025	LF	#10, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	11.20	
		<i>For Up To 100, Add</i>		5.45	
		<i>For &gt;100 To 200, Add</i>		2.94	
		<i>For &gt;200 To 300, Add</i>		1.47	
03 21 16 00-0026	LF	#11, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	13.35	
		<i>For Up To 100, Add</i>		6.59	
		<i>For &gt;100 To 200, Add</i>		3.53	
		<i>For &gt;200 To 300, Add</i>		1.77	
03 21 16 00-0027	LF	#14, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	18.53	
		<i>For Up To 100, Add</i>		9.28	
		<i>For &gt;100 To 200, Add</i>		4.95	
		<i>For &gt;200 To 300, Add</i>		2.47	
03 21 16 00-0028	LF	#18, Grade 75, Beams And Girders, Epoxy Coated Steel Reinforcement Bar	.....	31.74	
		<i>For Up To 100, Add</i>		16.14	
		<i>For &gt;100 To 200, Add</i>		8.55	
		<i>For &gt;200 To 300, Add</i>		4.28	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0029	<b>Columns, Epoxy Coated Steel Reinforcement Bar</b> (03 21 16) Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0030	LF #3, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar ..... 1.28 For Up To 100, Add 0.84 For >100 To 200, Add 0.46 For >200 To 500, Add 0.18		
03 21 16 00-0031	LF #4, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.20 For Up To 100, Add 1.45 For >100 To 200, Add 0.79 For >200 To 500, Add 0.32		
03 21 16 00-0032	LF #5, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar ..... 3.27 For Up To 100, Add 2.20 For >100 To 200, Add 1.19 For >200 To 500, Add 0.48		
03 21 16 00-0033	LF #6, Grade 40, Columns, Epoxy Coated Steel Reinforcement Bar ..... 4.49 For Up To 100, Add 3.08 For >100 To 200, Add 1.66 For >200 To 500, Add 0.66		
03 21 16 00-0034	LF #3, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar ..... 1.29 For Up To 100, Add 0.85 For >100 To 200, Add 0.46 For >200 To 500, Add 0.18		
03 21 16 00-0035	LF #4, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.24 For Up To 100, Add 1.49 For >100 To 200, Add 0.81 For >200 To 500, Add 0.32		
03 21 16 00-0036	LF #5, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar ..... 3.32 For Up To 100, Add 2.25 For >100 To 200, Add 1.22 For >200 To 500, Add 0.49		
03 21 16 00-0037	LF #6, Grade 50, Columns, Epoxy Coated Steel Reinforcement Bar ..... 4.57 For Up To 100, Add 3.16 For >100 To 200, Add 1.70 For >200 To 500, Add 0.68		
03 21 16 00-0038	LF #3, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 1.32 For Up To 100, Add 0.88 For >100 To 200, Add 0.48 For >200 To 500, Add 0.19		
03 21 16 00-0039	LF #4, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 2.28 For Up To 100, Add 1.53 For >100 To 200, Add 0.83 For >200 To 500, Add 0.33		
03 21 16 00-0040	LF #5, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 3.40 For Up To 100, Add 2.33 For >100 To 200, Add 1.26 For >200 To 500, Add 0.50		
03 21 16 00-0041	LF #6, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 4.68 For Up To 100, Add 3.27 For >100 To 200, Add 1.75 For >200 To 500, Add 0.70		
03 21 16 00-0042	LF #7, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 6.07 For Up To 100, Add 3.39 For >100 To 200, Add 1.99 For >200 To 400, Add 0.92		
03 21 16 00-0043	LF #8, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 7.53 For Up To 100, Add 4.29 For >100 To 200, Add 2.50 For >200 To 400, Add 1.17		
03 21 16 00-0044	LF #9, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 9.26 For Up To 100, Add 5.35 For >100 To 200, Add 3.11 For >200 To 400, Add 1.45		
03 21 16 00-0045	LF #10, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 11.30 For Up To 100, Add 5.39 For >100 To 200, Add 2.93 For >200 To 300, Add 1.46		
03 21 16 00-0046	LF #11, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 13.42 For Up To 100, Add 6.50 For >100 To 200, Add 3.51 For >200 To 300, Add 1.75		
03 21 16 00-0047	LF #14, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 18.59 For Up To 100, Add 9.13 For >100 To 200, Add 4.90 For >200 To 300, Add 2.45		
03 21 16 00-0048	LF #18, Grade 60, Columns, Epoxy Coated Steel Reinforcement Bar ..... 31.70 For Up To 100, Add 15.83 For >100 To 200, Add 8.45 For >200 To 300, Add 4.22		
03 21 16 00-0049	LF #6, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... 4.79 For Up To 100, Add 3.38 For >100 To 200, Add 1.81 For >200 To 500, Add 0.72		
03 21 16 00-0050	LF #7, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... 6.22 For Up To 100, Add 3.51 For >100 To 200, Add 2.05 For >200 To 400, Add 0.95		
03 21 16 00-0051	LF #8, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar ..... 7.72 For Up To 100, Add 4.43 For >100 To 200, Add 2.58 For >200 To 400, Add 1.21		

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0052	LF		#9, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	9.51	
			<i>For Up To 100, Add</i>	5.54	
			<i>For &gt;100 To 200, Add</i>	3.21	
			<i>For &gt;200 To 400, Add</i>	1.50	
03 21 16 00-0053	LF		#10, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	11.61	
			<i>For Up To 100, Add</i>	5.58	
			<i>For &gt;100 To 200, Add</i>	3.02	
			<i>For &gt;200 To 300, Add</i>	1.51	
03 21 16 00-0054	LF		#11, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	13.81	
			<i>For Up To 100, Add</i>	6.73	
			<i>For &gt;100 To 200, Add</i>	3.62	
			<i>For &gt;200 To 300, Add</i>	1.81	
03 21 16 00-0055	LF		#14, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	19.15	
			<i>For Up To 100, Add</i>	9.47	
			<i>For &gt;100 To 200, Add</i>	5.07	
			<i>For &gt;200 To 300, Add</i>	2.54	
03 21 16 00-0056	LF		#18, Grade 75, Columns, Epoxy Coated Steel Reinforcement Bar .....	32.69	
			<i>For Up To 100, Add</i>	16.43	
			<i>For &gt;100 To 200, Add</i>	8.74	
			<i>For &gt;200 To 300, Add</i>	4.37	
03 21 16 00-0057			<b>Footings, Epoxy Coated Steel Reinforcement Bar</b> (03 21 16) Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0058	LF		#3, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.12	
			<i>For Up To 100, Add</i>	0.77	
			<i>For &gt;100 To 200, Add</i>	0.42	
			<i>For &gt;200 To 500, Add</i>	0.17	
03 21 16 00-0059	LF		#4, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.91	
			<i>For Up To 100, Add</i>	1.33	
			<i>For &gt;100 To 200, Add</i>	0.72	
			<i>For &gt;200 To 500, Add</i>	0.29	
03 21 16 00-0060	LF		#5, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.88	
			<i>For Up To 100, Add</i>	2.05	
			<i>For &gt;100 To 200, Add</i>	1.09	
			<i>For &gt;200 To 500, Add</i>	0.44	
03 21 16 00-0061	LF		#6, Grade 40, Footings, Epoxy Coated Steel Reinforcement Bar .....	3.96	
			<i>For Up To 100, Add</i>	2.87	
			<i>For &gt;100 To 200, Add</i>	1.53	
			<i>For &gt;200 To 500, Add</i>	0.61	
03 21 16 00-0062	LF		#3, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.13	
			<i>For Up To 100, Add</i>	0.78	
			<i>For &gt;100 To 200, Add</i>	0.42	
			<i>For &gt;200 To 500, Add</i>	0.17	
03 21 16 00-0063	LF		#4, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.95	
03 21 16 00-0064	LF		#5, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	2.93	
			<i>For Up To 100, Add</i>	2.10	
			<i>For &gt;100 To 200, Add</i>	1.12	
			<i>For &gt;200 To 500, Add</i>	0.45	
03 21 16 00-0065	LF		#6, Grade 50, Footings, Epoxy Coated Steel Reinforcement Bar .....	4.04	
			<i>For Up To 100, Add</i>	2.95	
			<i>For &gt;100 To 200, Add</i>	1.57	
			<i>For &gt;200 To 500, Add</i>	0.63	
03 21 16 00-0066	LF		#3, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.16	
			<i>For Up To 100, Add</i>	0.81	
			<i>For &gt;100 To 200, Add</i>	0.44	
			<i>For &gt;200 To 500, Add</i>	0.17	
03 21 16 00-0067	LF		#4, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	1.99	
			<i>For Up To 100, Add</i>	1.41	
			<i>For &gt;100 To 200, Add</i>	0.76	
			<i>For &gt;200 To 500, Add</i>	0.30	
03 21 16 00-0068	LF		#5, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	3.01	
			<i>For Up To 100, Add</i>	2.18	
			<i>For &gt;100 To 200, Add</i>	1.16	
			<i>For &gt;200 To 500, Add</i>	0.46	
03 21 16 00-0069	LF		#6, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	4.15	
			<i>For Up To 100, Add</i>	3.06	
			<i>For &gt;100 To 200, Add</i>	1.62	
			<i>For &gt;200 To 500, Add</i>	0.65	
03 21 16 00-0070	LF		#7, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	5.41	
			<i>For Up To 100, Add</i>	3.16	
			<i>For &gt;100 To 200, Add</i>	1.83	
			<i>For &gt;200 To 400, Add</i>	0.86	
03 21 16 00-0071	LF		#8, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	6.77	
			<i>For Up To 100, Add</i>	4.03	
			<i>For &gt;100 To 200, Add</i>	2.31	
			<i>For &gt;200 To 400, Add</i>	1.09	
03 21 16 00-0072	LF		#9, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	8.34	
			<i>For Up To 100, Add</i>	5.03	
			<i>For &gt;100 To 200, Add</i>	2.88	
			<i>For &gt;200 To 400, Add</i>	1.36	
03 21 16 00-0073	LF		#10, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	10.24	
			<i>For Up To 100, Add</i>	5.07	
			<i>For &gt;100 To 200, Add</i>	2.72	
			<i>For &gt;200 To 300, Add</i>	1.36	
03 21 16 00-0074	LF		#11, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar .....	12.25	
			<i>For Up To 100, Add</i>	6.14	
			<i>For &gt;100 To 200, Add</i>	3.27	
			<i>For &gt;200 To 300, Add</i>	1.64	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0075	LF	#14, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar			17.06	
		<i>For Up To 100, Add</i>			8.67	
		<i>For &gt;100 To 200, Add</i>			4.60	
		<i>For &gt;200 To 300, Add</i>			2.30	
03 21 16 00-0076	LF	#18, Grade 60, Footings, Epoxy Coated Steel Reinforcement Bar			29.28	
		<i>For Up To 100, Add</i>			15.11	
		<i>For &gt;100 To 200, Add</i>			7.96	
		<i>For &gt;200 To 300, Add</i>			3.98	
03 21 16 00-0077	LF	#6, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar			4.26	
		<i>For Up To 100, Add</i>			3.17	
		<i>For &gt;100 To 200, Add</i>			1.68	
		<i>For &gt;200 To 500, Add</i>			0.67	
03 21 16 00-0078	LF	#7, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar			5.56	
		<i>For Up To 100, Add</i>			3.27	
		<i>For &gt;100 To 200, Add</i>			1.89	
		<i>For &gt;200 To 400, Add</i>			0.89	
03 21 16 00-0079	LF	#8, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar			6.96	
		<i>For Up To 100, Add</i>			4.17	
		<i>For &gt;100 To 200, Add</i>			2.39	
		<i>For &gt;200 To 400, Add</i>			1.13	
03 21 16 00-0080	LF	#9, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar			8.59	
		<i>For Up To 100, Add</i>			5.21	
		<i>For &gt;100 To 200, Add</i>			2.98	
		<i>For &gt;200 To 400, Add</i>			1.41	
03 21 16 00-0081	LF	#10, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar			10.55	
		<i>For Up To 100, Add</i>			5.26	
		<i>For &gt;100 To 200, Add</i>			2.81	
		<i>For &gt;200 To 300, Add</i>			1.40	
03 21 16 00-0082	LF	#11, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar			12.64	
		<i>For Up To 100, Add</i>			6.38	
		<i>For &gt;100 To 200, Add</i>			3.39	
		<i>For &gt;200 To 300, Add</i>			1.70	
03 21 16 00-0083	LF	#14, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar			17.62	
		<i>For Up To 100, Add</i>			9.01	
		<i>For &gt;100 To 200, Add</i>			4.77	
		<i>For &gt;200 To 300, Add</i>			2.38	
03 21 16 00-0084	LF	#18, Grade 75, Footings, Epoxy Coated Steel Reinforcement Bar			30.27	
		<i>For Up To 100, Add</i>			15.70	
		<i>For &gt;100 To 200, Add</i>			8.26	
		<i>For &gt;200 To 300, Add</i>			4.13	
<b>03 21 16 00-0085 Slab On Grade, Epoxy Coated Steel Reinforcement Bar (03 21 16)</b>						
Note: ASTM A-775 Epoxy Coated Steel.						
03 21 16 00-0086	LF	#3, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			1.09	
		<i>For Up To 100, Add</i>			0.76	
		<i>For &gt;100 To 200, Add</i>			0.41	
		<i>For &gt;200 To 500, Add</i>			0.16	
03 21 16 00-0087	LF	#4, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			1.85	
		<i>For Up To 100, Add</i>			1.31	
		<i>For &gt;100 To 200, Add</i>			0.70	
		<i>For &gt;200 To 500, Add</i>			0.28	
03 21 16 00-0088	LF	#5, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			2.79	
		<i>For Up To 100, Add</i>			2.01	
		<i>For &gt;100 To 200, Add</i>			1.07	
		<i>For &gt;200 To 500, Add</i>			0.43	
03 21 16 00-0089	LF	#6, Grade 40, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			3.85	
		<i>For Up To 100, Add</i>			2.82	
		<i>For &gt;100 To 200, Add</i>			1.50	
		<i>For &gt;200 To 500, Add</i>			0.60	
03 21 16 00-0090	LF	#3, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			1.10	
		<i>For Up To 100, Add</i>			0.77	
		<i>For &gt;100 To 200, Add</i>			0.41	
		<i>For &gt;200 To 500, Add</i>			0.17	
03 21 16 00-0091	LF	#4, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			1.89	
		<i>For Up To 100, Add</i>			1.35	
		<i>For &gt;100 To 200, Add</i>			0.72	
		<i>For &gt;200 To 500, Add</i>			0.29	
03 21 16 00-0092	LF	#5, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			2.84	
		<i>For Up To 100, Add</i>			2.06	
		<i>For &gt;100 To 200, Add</i>			1.10	
		<i>For &gt;200 To 500, Add</i>			0.44	
03 21 16 00-0093	LF	#6, Grade 50, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			3.93	
		<i>For Up To 100, Add</i>			2.90	
		<i>For &gt;100 To 200, Add</i>			1.54	
		<i>For &gt;200 To 500, Add</i>			0.62	
03 21 16 00-0094	LF	#3, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			1.13	
		<i>For Up To 100, Add</i>			0.80	
		<i>For &gt;100 To 200, Add</i>			0.43	
		<i>For &gt;200 To 500, Add</i>			0.17	
03 21 16 00-0095	LF	#4, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			1.93	
		<i>For Up To 100, Add</i>			1.39	
		<i>For &gt;100 To 200, Add</i>			0.74	
		<i>For &gt;200 To 500, Add</i>			0.30	
03 21 16 00-0096	LF	#5, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar			2.92	
		<i>For Up To 100, Add</i>			2.14	
		<i>For &gt;100 To 200, Add</i>			1.14	
		<i>For &gt;200 To 500, Add</i>			0.45	

**03 Concrete**  
**03 20 Concrete Reinforcing**  
**03 21 Reinforcement Bars**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0097	LF		#6, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.04	
			<i>For Up To 100, Add</i>	3.01	
			<i>For &gt;100 To 200, Add</i>	1.59	
			<i>For &gt;200 To 500, Add</i>	0.64	
03 21 16 00-0098	LF		#7, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.29	
			<i>For Up To 100, Add</i>	3.12	
			<i>For &gt;100 To 200, Add</i>	1.80	
			<i>For &gt;200 To 400, Add</i>	0.85	
03 21 16 00-0099	LF		#8, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.61	
			<i>For Up To 100, Add</i>	3.97	
			<i>For &gt;100 To 200, Add</i>	2.27	
			<i>For &gt;200 To 400, Add</i>	1.08	
03 21 16 00-0100	LF		#9, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.17	
			<i>For Up To 100, Add</i>	4.97	
			<i>For &gt;100 To 200, Add</i>	2.83	
			<i>For &gt;200 To 400, Add</i>	1.34	
03 21 16 00-0101	LF		#10, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	10.03	
			<i>For Up To 100, Add</i>	5.01	
			<i>For &gt;100 To 200, Add</i>	2.67	
			<i>For &gt;200 To 300, Add</i>	1.34	
03 21 16 00-0102	LF		#11, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	12.02	
			<i>For Up To 100, Add</i>	6.08	
			<i>For &gt;100 To 200, Add</i>	3.23	
			<i>For &gt;200 To 300, Add</i>	1.61	
03 21 16 00-0103	LF		#14, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	16.74	
			<i>For Up To 100, Add</i>	8.58	
			<i>For &gt;100 To 200, Add</i>	4.53	
			<i>For &gt;200 To 300, Add</i>	2.27	
03 21 16 00-0104	LF		#18, Grade 60, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	28.81	
			<i>For Up To 100, Add</i>	14.96	
			<i>For &gt;100 To 200, Add</i>	7.87	
			<i>For &gt;200 To 300, Add</i>	3.93	
03 21 16 00-0105	LF		#6, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	4.15	
			<i>For Up To 100, Add</i>	3.12	
			<i>For &gt;100 To 200, Add</i>	1.65	
			<i>For &gt;200 To 500, Add</i>	0.66	
03 21 16 00-0106	LF		#7, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	5.44	
			<i>For Up To 100, Add</i>	3.23	
			<i>For &gt;100 To 200, Add</i>	1.86	
			<i>For &gt;200 To 400, Add</i>	0.88	
03 21 16 00-0107	LF		#8, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	6.80	
			<i>For Up To 100, Add</i>	4.11	
			<i>For &gt;100 To 200, Add</i>	2.35	
			<i>For &gt;200 To 400, Add</i>	1.11	
03 21 16 00-0108	LF		#9, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	8.42	
			<i>For Up To 100, Add</i>	5.16	
			<i>For &gt;100 To 200, Add</i>	2.93	
			<i>For &gt;200 To 400, Add</i>	1.39	
03 21 16 00-0109	LF		#10, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	10.34	
			<i>For Up To 100, Add</i>	5.20	
			<i>For &gt;100 To 200, Add</i>	2.77	
			<i>For &gt;200 To 300, Add</i>	1.38	
03 21 16 00-0110	LF		#11, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	12.41	
			<i>For Up To 100, Add</i>	6.31	
			<i>For &gt;100 To 200, Add</i>	3.34	
			<i>For &gt;200 To 300, Add</i>	1.67	
03 21 16 00-0111	LF		#14, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	17.30	
			<i>For Up To 100, Add</i>	8.91	
			<i>For &gt;100 To 200, Add</i>	4.70	
			<i>For &gt;200 To 300, Add</i>	2.35	
03 21 16 00-0112	LF		#18, Grade 75, Slab On Grade, Epoxy Coated Steel Reinforcement Bar.....	29.80	
			<i>For Up To 100, Add</i>	15.56	
			<i>For &gt;100 To 200, Add</i>	8.17	
			<i>For &gt;200 To 300, Add</i>	4.08	
03 21 16 00-0113			<b>Elevated Slabs, Epoxy Coated Steel Reinforcement Bar</b> <small>(03 21 16)</small>		
			Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0114	LF		#3, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.02	
			<i>For Up To 100, Add</i>	0.73	
			<i>For &gt;100 To 200, Add</i>	0.39	
			<i>For &gt;200 To 500, Add</i>	0.16	
03 21 16 00-0115	LF		#4, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.73	
			<i>For Up To 100, Add</i>	1.26	
			<i>For &gt;100 To 200, Add</i>	0.67	
			<i>For &gt;200 To 500, Add</i>	0.27	
03 21 16 00-0116	LF		#5, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.62	
			<i>For Up To 100, Add</i>	1.94	
			<i>For &gt;100 To 200, Add</i>	1.03	
			<i>For &gt;200 To 500, Add</i>	0.41	
03 21 16 00-0117	LF		#6, Grade 40, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.64	
			<i>For Up To 100, Add</i>	2.74	
			<i>For &gt;100 To 200, Add</i>	1.45	
			<i>For &gt;200 To 500, Add</i>	0.58	
03 21 16 00-0118	LF		#3, Grade 50, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.03	
			<i>For Up To 100, Add</i>	0.74	
			<i>For &gt;100 To 200, Add</i>	0.40	
			<i>For &gt;200 To 500, Add</i>	0.16	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0119	LF	#4,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.77	
				For Up To 100, Add	1.30	
				For >100 To 200, Add	0.69	
				For >200 To 500, Add	0.28	
03 21 16 00-0120	LF	#5,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.67	
				For Up To 100, Add	1.99	
				For >100 To 200, Add	1.05	
				For >200 To 500, Add	0.42	
03 21 16 00-0121	LF	#6,		Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.72	
				For Up To 100, Add	2.82	
				For >100 To 200, Add	1.49	
				For >200 To 500, Add	0.59	
03 21 16 00-0122	LF	#3,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.06	
				For Up To 100, Add	0.77	
				For >100 To 200, Add	0.41	
				For >200 To 500, Add	0.16	
03 21 16 00-0123	LF	#4,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	1.81	
				For Up To 100, Add	1.34	
				For >100 To 200, Add	0.71	
				For >200 To 500, Add	0.28	
03 21 16 00-0124	LF	#5,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	2.75	
				For Up To 100, Add	2.07	
				For >100 To 200, Add	1.09	
				For >200 To 500, Add	0.44	
03 21 16 00-0125	LF	#6,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.83	
				For Up To 100, Add	2.93	
				For >100 To 200, Add	1.54	
				For >200 To 500, Add	0.62	
03 21 16 00-0126	LF	#7,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.02	
				For Up To 100, Add	3.03	
				For >100 To 200, Add	1.73	
				For >200 To 400, Add	0.82	
03 21 16 00-0127	LF	#8,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.29	
				For Up To 100, Add	3.86	
				For >100 To 200, Add	2.19	
				For >200 To 400, Add	1.04	
03 21 16 00-0128	LF	#9,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	7.81	
				For Up To 100, Add	4.84	
				For >100 To 200, Add	2.74	
				For >200 To 400, Add	1.31	
03 21 16 00-0129	LF	#10,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	9.62	
				For Up To 100, Add	4.89	
				For >100 To 200, Add	2.59	
				For >200 To 300, Add	1.30	
03 21 16 00-0130	LF	#11,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	11.54	
				For Up To 100, Add	5.93	
				For >100 To 200, Add	3.13	
				For >200 To 300, Add	1.57	
03 21 16 00-0131	LF	#14,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	16.14	
				For Up To 100, Add	8.40	
				For >100 To 200, Add	4.41	
				For >200 To 300, Add	2.21	
03 21 16 00-0132	LF	#18,		Grade 60, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	27.85	
				For Up To 100, Add	14.68	
				For >100 To 200, Add	7.68	
				For >200 To 300, Add	3.84	
03 21 16 00-0133	LF	#6,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	3.94	
				For Up To 100, Add	3.04	
				For >100 To 200, Add	1.60	
				For >200 To 500, Add	0.64	
03 21 16 00-0134	LF	#7,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	5.17	
				For Up To 100, Add	3.14	
				For >100 To 200, Add	1.79	
				For >200 To 400, Add	0.85	
03 21 16 00-0135	LF	#8,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	6.48	
				For Up To 100, Add	4.00	
				For >100 To 200, Add	2.27	
				For >200 To 400, Add	1.08	
03 21 16 00-0136	LF	#9,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	8.06	
				For Up To 100, Add	5.03	
				For >100 To 200, Add	2.84	
				For >200 To 400, Add	1.36	
03 21 16 00-0137	LF	#10,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	9.93	
				For Up To 100, Add	5.07	
				For >100 To 200, Add	2.68	
				For >200 To 300, Add	1.34	
03 21 16 00-0138	LF	#11,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	11.93	
				For Up To 100, Add	6.17	
				For >100 To 200, Add	3.25	
				For >200 To 300, Add	1.62	
03 21 16 00-0139	LF	#14,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	16.70	
				For Up To 100, Add	8.73	
				For >100 To 200, Add	4.58	
				For >200 To 300, Add	2.29	
03 21 16 00-0140	LF	#18,		Grade 75, Elevated Slabs, Epoxy Coated Steel Reinforcement Bar.....	28.84	
				For Up To 100, Add	15.27	
				For >100 To 200, Add	7.97	
				For >200 To 300, Add	3.99	

## 03 Concrete

## 03 20 Concrete Reinforcing

## 03 21 Reinforcement Bars

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 21 16 00-0141			Walls, Epoxy Coated Steel Reinforcement Bar (03 21 16) Note: ASTM A-775 Epoxy Coated Steel.		
03 21 16 00-0142	LF		#3, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.98	
			For Up To 100, Add	0.72	
			For >100 To 200, Add	0.38	
			For >200 To 500, Add	0.15	
03 21 16 00-0143	LF		#4, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.68	
			For Up To 100, Add	1.24	
			For >100 To 200, Add	0.66	
			For >200 To 500, Add	0.26	
03 21 16 00-0144	LF		#5, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.54	
			For Up To 100, Add	1.91	
			For >100 To 200, Add	1.01	
			For >200 To 500, Add	0.40	
03 21 16 00-0145	LF		#6, Grade 40, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.53	
			For Up To 100, Add	2.70	
			For >100 To 200, Add	1.42	
			For >200 To 500, Add	0.57	
03 21 16 00-0146	LF		#3, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	0.99	
			For Up To 100, Add	0.73	
			For >100 To 200, Add	0.39	
			For >200 To 500, Add	0.15	
03 21 16 00-0147	LF		#4, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.72	
			For Up To 100, Add	1.28	
			For >100 To 200, Add	0.68	
			For >200 To 500, Add	0.27	
03 21 16 00-0148	LF		#5, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.59	
			For Up To 100, Add	1.96	
			For >100 To 200, Add	1.03	
			For >200 To 500, Add	0.41	
03 21 16 00-0149	LF		#6, Grade 50, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.61	
			For Up To 100, Add	2.78	
			For >100 To 200, Add	1.46	
			For >200 To 500, Add	0.58	
03 21 16 00-0150	LF		#3, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.02	
			For Up To 100, Add	0.76	
			For >100 To 200, Add	0.40	
			For >200 To 500, Add	0.16	
03 21 16 00-0151	LF		#4, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	1.76	
			For Up To 100, Add	1.32	
			For >100 To 200, Add	0.70	
			For >200 To 500, Add	0.28	
03 21 16 00-0152	LF		#5, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	2.67	
			For Up To 100, Add	2.04	
			For >100 To 200, Add	1.07	
			For >200 To 500, Add	0.43	
03 21 16 00-0153	LF		#6, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.72	
			For Up To 100, Add	2.89	
			For >100 To 200, Add	1.51	
			For >200 To 500, Add	0.61	
03 21 16 00-0154	LF		#7, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	4.88	
			For Up To 100, Add	2.98	
			For >100 To 200, Add	1.70	
			For >200 To 400, Add	0.81	
03 21 16 00-0155	LF		#8, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.15	
			For Up To 100, Add	3.81	
			For >100 To 200, Add	2.16	
			For >200 To 400, Add	1.03	
03 21 16 00-0156	LF		#9, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	7.64	
			For Up To 100, Add	4.78	
			For >100 To 200, Add	2.70	
			For >200 To 400, Add	1.29	
03 21 16 00-0157	LF		#10, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	9.41	
			For Up To 100, Add	4.82	
			For >100 To 200, Add	2.55	
			For >200 To 300, Add	1.27	
03 21 16 00-0158	LF		#11, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	11.30	
			For Up To 100, Add	5.86	
			For >100 To 200, Add	3.08	
			For >200 To 300, Add	1.54	
03 21 16 00-0159	LF		#14, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	15.84	
			For Up To 100, Add	8.31	
			For >100 To 200, Add	4.35	
			For >200 To 300, Add	2.18	
03 21 16 00-0160	LF		#18, Grade 60, Walls, Epoxy Coated Steel Reinforcement Bar.....	27.37	
			For Up To 100, Add	14.53	
			For >100 To 200, Add	7.58	
			For >200 To 300, Add	3.79	
03 21 16 00-0161	LF		#6, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	3.83	
			For Up To 100, Add	3.00	
			For >100 To 200, Add	1.57	
			For >200 To 500, Add	0.63	
03 21 16 00-0162	LF		#7, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	5.03	
			For Up To 100, Add	3.09	
			For >100 To 200, Add	1.76	
			For >200 To 400, Add	0.84	
03 21 16 00-0163	LF		#8, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar.....	6.34	
			For Up To 100, Add	3.95	
			For >100 To 200, Add	2.23	
			For >200 To 400, Add	1.07	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 21 16 00-0164	LF	#9, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	7.89	
		For Up To 100, Add		4.97	
		For >100 To 200, Add		2.80	
		For >200 To 400, Add		1.34	
03 21 16 00-0165	LF	#10, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	9.72	
		For Up To 100, Add		5.01	
		For >100 To 200, Add		2.64	
		For >200 To 300, Add		1.32	
03 21 16 00-0166	LF	#11, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	11.69	
		For Up To 100, Add		6.09	
		For >100 To 200, Add		3.20	
		For >200 To 300, Add		1.60	
03 21 16 00-0167	LF	#14, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	16.40	
		For Up To 100, Add		8.64	
		For >100 To 200, Add		4.52	
		For >200 To 300, Add		2.26	
03 21 16 00-0168	LF	#18, Grade 75, Walls, Epoxy Coated Steel Reinforcement Bar	.....	28.36	
		For Up To 100, Add		15.13	
		For >100 To 200, Add		7.88	
		For >200 To 300, Add		3.94	

**03 21 16 00-0169 Epoxy Coated Deformed Straight Dowels (03 21 16)**

Note: Excludes drilling. See CSI section 02 41 19 13-0221 for drilling in concrete.

03 21 16 00-0170	EA	3/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	5.71	
		For Up To 12" Length, Deduct		-0.59	
		For >12" To <24" Length, Deduct		-0.29	
03 21 16 00-0171	EA	1/2" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	6.73	
		For Up To 12" Length, Deduct		-0.89	
		For >12" To <24" Length, Deduct		-0.44	
03 21 16 00-0172	EA	5/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	8.38	
		For Up To 12" Length, Deduct		-1.33	
		For >12" To <24" Length, Deduct		-0.66	
03 21 16 00-0173	EA	3/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	10.43	
		For Up To 12" Length, Deduct		-1.76	
		For >12" To <24" Length, Deduct		-0.88	
03 21 16 00-0174	EA	7/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	12.57	
		For Up To 12" Length, Deduct		-2.40	
		For >12" To <24" Length, Deduct		-1.20	
03 21 16 00-0175	EA	1" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	14.64	
		For Up To 12" Length, Deduct		-2.96	
		For >12" To <24" Length, Deduct		-1.48	
03 21 16 00-0176	EA	1-1/8" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	17.28	
		For Up To 12" Length, Deduct		-3.58	
		For >12" To <24" Length, Deduct		-1.79	
03 21 16 00-0177	EA	1-1/4" Diameter x 24" Long, Epoxy Coated Deformed Straight Dowel	.....	20.81	
		For Up To 12" Length, Deduct		-4.33	
		For >12" To <24" Length, Deduct		-2.17	

**03 22 Fabric and Grid Reinforcing (03 20)**

**03 22 11 Plain Steel Welded Wire Fabric Reinforcing (03 22)**

Note: Includes cutting, tie wire, tying, overlap, bar chairs and all non-mechanical splicing.

**03 22 11 00-0001 Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 11)**

Note: Includes bar chairs. Under 5 tons. ASTM A-185

03 22 11 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	.....	1.31	
		For >5 Ton, Deduct		-0.20	
03 22 11 00-0003	SF	6" x 6" x #8, 30 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	.....	1.50	
		For >5 Ton, Deduct		-0.23	
03 22 11 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	.....	1.69	
		For >5 Ton, Deduct		-0.25	
03 22 11 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	.....	1.97	
		For >5 Ton, Deduct		-0.29	
03 22 11 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	.....	1.56	
		For >5 Ton, Deduct		-0.24	
03 22 11 00-0007	SF	4" x 4" x #8, 44 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	.....	1.74	
		For >5 Ton, Deduct		-0.26	
03 22 11 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	.....	2.14	
		For >5 Ton, Deduct		-0.30	
03 22 11 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	.....	2.49	
		For >5 Ton, Deduct		-0.35	
03 22 11 00-0010	SF	2" x 2" x #12, 37 LB/CSF, Plain Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W0.9 x W0.9)	.....	2.27	
		For >5 Ton, Deduct		-0.31	

**03 22 13 Galvanized Welded Wire Fabric Reinforcing (03 22)**

**03 22 13 00-0001 Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (03 22 13)**

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	.....	1.44	
		For >5 Ton, Deduct		-0.21	
03 22 13 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	.....	1.65	
		For >5 Ton, Deduct		-0.24	
03 22 13 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	.....	1.88	
		For >5 Ton, Deduct		-0.27	
03 22 13 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	.....	2.24	
		For >5 Ton, Deduct		-0.32	

**03 Concrete****03 20 Concrete Reinforcing****03 22 Fabric and Grid Reinforcing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

03 22 13 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.73	
		<i>For &gt;5 Ton, Deduct</i>	-0.25	
03 22 13 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.96	
		<i>For &gt;5 Ton, Deduct</i>	-0.28	
03 22 13 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	2.48	
		<i>For &gt;5 Ton, Deduct</i>	-0.34	
03 22 13 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	2.91	
		<i>For &gt;5 Ton, Deduct</i>	-0.39	

**03 22 13 00-0010 Galvanized Welded Wire Reinforcement Wrap Placed In Beams And Columns** <sup>(03 22 13)</sup>

Note: Includes bar chairs. Under 5 tons.

03 22 13 00-0011	SF	2" x 2" x #14, 21 LB/CSF, Galvanized Welded Wire Fabric Reinforcing Wrap Placed In Beams And Columns (W0.5 x W0.5)	5.25	
		<i>For &gt;5 Ton, Deduct</i>	-0.83	

**03 22 16 Epoxy-Coated Welded Wire Fabric Reinforcing** <sup>(03 22)</sup>**03 22 16 00-0001 Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs** <sup>(03 22 16)</sup>

Note: Includes bar chairs. Under 5 tons.

03 22 16 00-0002	SF	6" x 6" x #10, 21 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.42	
		<i>For &gt;5 Ton, Deduct</i>	-0.21	
03 22 16 00-0003	SF	6" x 6" x #8, 29 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.63	
		<i>For &gt;5 Ton, Deduct</i>	-0.24	
03 22 16 00-0004	SF	6" x 6" x #6, 42 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	1.86	
		<i>For &gt;5 Ton, Deduct</i>	-0.27	
03 22 16 00-0005	SF	6" x 6" x #4, 58 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	2.20	
		<i>For &gt;5 Ton, Deduct</i>	-0.31	
03 22 16 00-0006	SF	4" x 4" x #10, 31 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W1.4 x W1.4)	1.71	
		<i>For &gt;5 Ton, Deduct</i>	-0.25	
03 22 16 00-0007	SF	4" x 4" x #8, 43 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.1 x W2.1)	1.93	
		<i>For &gt;5 Ton, Deduct</i>	-0.28	
03 22 16 00-0008	SF	4" x 4" x #6, 62 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W2.9 x W2.9)	2.44	
		<i>For &gt;5 Ton, Deduct</i>	-0.33	
03 22 16 00-0009	SF	4" x 4" x #4, 85 LB/CSF, Epoxy Coated Welded Wire Fabric Reinforcing Placed In Floors Or Slabs (W4.0 x W4.0)	2.86	
		<i>For &gt;5 Ton, Deduct</i>	-0.39	

**03 30 Cast-In-Place Concrete** <sup>(03)</sup>**03 30 53 Miscellaneous Cast-in-Place Concrete** <sup>(03 30)</sup>**03 30 53 00-0001 Place Concrete Duct Bank** <sup>(03 30 53)</sup>

03 30 53 00-0002	CY	Pour Ductbank, 3000 PSI Concrete	197.07	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.07	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.04	
		<i>For 3,500 PSI Concrete, Add</i>	7.48	
		<i>For 3,750 PSI Concrete, Add</i>	10.17	
		<i>For 4,000 PSI Concrete, Add</i>	12.86	
		<i>For 4,500 PSI Concrete, Add</i>	14.95	
		<i>For 5,000 PSI Concrete, Add</i>	17.04	
		<i>For 6,000 PSI Concrete, Add</i>	40.37	
		<i>For 7,500 PSI Concrete, Add</i>	100.24	
		<i>For White Cement Concrete, Add</i>	17.94	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.44	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.95	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	52.33	
		<i>For Up To 20, Add</i>	19.03	
		<i>For &gt;20 To 50, Add</i>	7.14	
		<i>For &gt;100 To 200, Deduct</i>	-3.94	
		<i>For &gt;200 To 400, Deduct</i>	-7.88	
		<i>For &gt;400, Deduct</i>	-11.82	
		<i>For DOT Class D, Add</i>	64.43	
		<i>For DOT Class E, Add</i>	56.06	
		<i>For DOT Class F, Add</i>	64.88	
		<i>For DOT Class G, Add</i>	62.34	

**03 30 53 00-0003 Place Concrete Thrust Blocks And Backfill** <sup>(03 30 53)</sup>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 30 53 00-0004	CY	Direct Chute, Place 3,000 PSI Concrete Thrust Blocks.....		256.90	
		<i>For 2,000 PSI Concrete, Deduct</i>		-8.07	
		<i>For 2,500 PSI Concrete, Deduct</i>		-4.04	
		<i>For 3,500 PSI Concrete, Add</i>		7.48	
		<i>For 3,750 PSI Concrete, Add</i>		10.17	
		<i>For 4,000 PSI Concrete, Add</i>		12.86	
		<i>For 4,500 PSI Concrete, Add</i>		14.95	
		<i>For 5,000 PSI Concrete, Add</i>		17.04	
		<i>For 6,000 PSI Concrete, Add</i>		40.37	
		<i>For 7,500 PSI Concrete, Add</i>		100.24	
		<i>For White Cement Concrete, Add</i>		17.94	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		19.44	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		14.95	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		52.33	
		<i>For Up To 20, Add</i>		42.96	
		<i>For &gt;20 To 50, Add</i>		16.11	
		<i>For &gt;100 To 200, Deduct</i>		-5.14	
		<i>For &gt;200 To 400, Deduct</i>		-10.28	
		<i>For &gt;400, Deduct</i>		-15.41	
		<i>For DOT Class D, Add</i>		64.43	
		<i>For DOT Class E, Add</i>		56.06	
		<i>For DOT Class F, Add</i>		64.88	
		<i>For DOT Class G, Add</i>		62.34	

**03 30 53 00-0005 Hand Mix And Place Concrete (03 30 53)**

03 30 53 00-0006	CF	Hand Mix And Place 3,000 PSI Concrete.....		23.22	
		Note: For use where conventional equipment access is limited or when directed by the owner. Includes local aggregate, sand, bagged cement (Type I) and water.			
		<i>For Up To 25 CF, Add</i>		2.64	
		<i>For 2,000 PSI Concrete, Deduct</i>		-0.35	
		<i>For 2,500 PSI Concrete, Deduct</i>		-0.17	
		<i>For 3,500 PSI Concrete, Add</i>		0.32	
		<i>For 3,750 PSI Concrete, Add</i>		0.43	
		<i>For 4,000 PSI Concrete, Add</i>		0.55	
		<i>For 4,500 PSI Concrete, Add</i>		0.64	
		<i>For 5,000 PSI Concrete, Add</i>		0.73	
		<i>For 6,000 PSI Concrete, Add</i>		1.73	
		<i>For 7,500 PSI Concrete, Add</i>		4.28	
		<i>For White Cement Concrete, Add</i>		0.77	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>		0.83	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>		0.64	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>		2.24	
		<i>For DOT Class D, Add</i>		2.75	
		<i>For DOT Class E, Add</i>		2.40	
		<i>For DOT Class F, Add</i>		2.77	
		<i>For DOT Class G, Add</i>		2.66	

**03 31 Structural Concrete (03 30)**

**03 31 13 Heavyweight Structural Concrete (03 31)**

Note: Includes delivery, fuel charge and placement of material. See CSI section 02 41 00 00-0000 for demolition, 03 05 13 00-0001 for admixtures, 03 11 00 00-0000 for forming, 03 20 00 00-0000 for reinforcing, 03 31 13 00-0078 for small concrete purchases (short load), 03 35 00 00-0000 for finishing, 03 39 00 00-0000 for curing.

**03 31 13 00-0001 Concrete Slab Assemblies (03 31 13)**

**03 31 13 00-0002 3,000 PSI Slab On Grade Concrete Slabs Assemblies (03 31 13 00-0001)**

Note: Includes forms, welded wire reinforcement (where necessary), #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float, and finish for slabs. Excludes excavation, base, earthwork, and expansion joints along existing slab. See CSI section 03 05 13 00-0001 for color additive alternative, 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0003	SF	4" 3,000 PSI Slab On Grade Concrete Slab Assembly.....		9.07	
		<i>For 2,000 PSI Concrete, Deduct</i>		-0.20	
		<i>For 2,500 PSI Concrete, Deduct</i>		-0.10	
		<i>For 3,500 PSI Concrete, Add</i>		0.07	
		<i>For 4,000 PSI Concrete, Add</i>		0.23	
		<i>For 4,500 PSI Concrete, Add</i>		0.29	
		<i>For 5,000 PSI Concrete, Add</i>		0.33	
		<i>For Reinforcing Rods Are At 18" On Center, Deduct</i>		-0.57	
		<i>For Reinforcing Rods Are At 24" On Center, Deduct</i>		-0.82	
		<i>For Up To 500, Add</i>		3.99	
		<i>For &gt;500 To 1,000, Add</i>		2.72	
		<i>For &gt;1,000 To 2,000, Add</i>		1.45	
		<i>For &gt;2,000 To 5,000, Add</i>		0.73	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.18	
		<i>For &gt;20,000 To 35,000, Deduct</i>		-0.41	
		<i>For &gt;35,000 To 50,000, Deduct</i>		-0.64	
		<i>For &gt;50,000 To 70,000, Deduct</i>		-0.86	
		<i>For &gt;70,000, Deduct</i>		-1.09	

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 31 Structural Concrete**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 31 13 00-0004	SF	5" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	9.80	
		For 2,000 PSI Concrete, Deduct	-0.22	
		For 2,500 PSI Concrete, Deduct	-0.11	
		For 3,500 PSI Concrete, Add	0.08	
		For 4,000 PSI Concrete, Add	0.26	
		For 4,500 PSI Concrete, Add	0.33	
		For 5,000 PSI Concrete, Add	0.37	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.57	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.82	
		For Up To 500, Add	4.23	
		For >500 To 1,000, Add	2.89	
		For >1,000 To 2,000, Add	1.55	
		For >2,000 To 5,000, Add	0.77	
		For >10,000 To 20,000, Deduct	-0.21	
		For >20,000 To 35,000, Deduct	-0.45	
		For >35,000 To 50,000, Deduct	-0.70	
		For >50,000 To 70,000, Deduct	-0.94	
		For >70,000, Deduct	-1.19	
03 31 13 00-0005	SF	6" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	10.89	
		For 2,000 PSI Concrete, Deduct	-0.26	
		For 2,500 PSI Concrete, Deduct	-0.13	
		For 3,500 PSI Concrete, Add	0.09	
		For 4,000 PSI Concrete, Add	0.30	
		For 4,500 PSI Concrete, Add	0.38	
		For 5,000 PSI Concrete, Add	0.44	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.57	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.82	
		For Up To 500, Add	4.61	
		For >500 To 1,000, Add	3.15	
		For >1,000 To 2,000, Add	1.70	
		For >2,000 To 5,000, Add	0.85	
		For >10,000 To 20,000, Deduct	-0.24	
		For >20,000 To 35,000, Deduct	-0.51	
		For >35,000 To 50,000, Deduct	-0.79	
		For >50,000 To 70,000, Deduct	-1.06	
		For >70,000, Deduct	-1.33	
03 31 13 00-0006	SF	7" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	11.85	
		For 2,000 PSI Concrete, Deduct	-0.30	
		For 2,500 PSI Concrete, Deduct	-0.15	
		For 3,500 PSI Concrete, Add	0.11	
		For 4,000 PSI Concrete, Add	0.35	
		For 4,500 PSI Concrete, Add	0.44	
		For 5,000 PSI Concrete, Add	0.50	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.57	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.82	
		For Up To 500, Add	4.89	
		For >500 To 1,000, Add	3.36	
		For >1,000 To 2,000, Add	1.82	
		For >2,000 To 5,000, Add	0.91	
		For >10,000 To 20,000, Deduct	-0.28	
		For >20,000 To 35,000, Deduct	-0.57	
		For >35,000 To 50,000, Deduct	-0.87	
		For >50,000 To 70,000, Deduct	-1.17	
		For >70,000, Deduct	-1.46	
03 31 13 00-0007	SF	8" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	12.71	
		For 2,000 PSI Concrete, Deduct	-0.33	
		For 2,500 PSI Concrete, Deduct	-0.17	
		For 3,500 PSI Concrete, Add	0.12	
		For 4,000 PSI Concrete, Add	0.39	
		For 4,500 PSI Concrete, Add	0.49	
		For 5,000 PSI Concrete, Add	0.56	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.57	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.82	
		For Up To 500, Add	5.17	
		For >500 To 1,000, Add	3.55	
		For >1,000 To 2,000, Add	1.93	
		For >2,000 To 5,000, Add	0.96	
		For >10,000 To 20,000, Deduct	-0.31	
		For >20,000 To 35,000, Deduct	-0.62	
		For >35,000 To 50,000, Deduct	-0.94	
		For >50,000 To 70,000, Deduct	-1.26	
		For >70,000, Deduct	-1.58	
03 31 13 00-0008	SF	10" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	14.83	
		For 2,000 PSI Concrete, Deduct	-0.42	
		For 2,500 PSI Concrete, Deduct	-0.21	
		For 3,500 PSI Concrete, Add	0.15	
		For 4,000 PSI Concrete, Add	0.49	
		For 4,500 PSI Concrete, Add	0.61	
		For 5,000 PSI Concrete, Add	0.71	
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.57	
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.82	
		For Up To 500, Add	5.80	
		For >500 To 1,000, Add	3.99	
		For >1,000 To 2,000, Add	2.19	
		For >2,000 To 5,000, Add	1.10	
		For >10,000 To 20,000, Deduct	-0.39	
		For >20,000 To 35,000, Deduct	-0.76	
		For >35,000 To 50,000, Deduct	-1.13	
		For >50,000 To 70,000, Deduct	-1.50	
		For >70,000, Deduct	-1.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

03 31 13 00-0009	SF	12" 3,000 PSI Slab On Grade Concrete Slab Assembly.....	16.51		
		For 2,000 PSI Concrete, Deduct	-0.48		
		For 2,500 PSI Concrete, Deduct	-0.24		
		For 3,500 PSI Concrete, Add	0.17		
		For 4,000 PSI Concrete, Add	0.56		
		For 4,500 PSI Concrete, Add	0.71		
		For 5,000 PSI Concrete, Add	0.81		
		For Reinforcing Rods Are At 18" On Center, Deduct	-0.57		
		For Reinforcing Rods Are At 24" On Center, Deduct	-0.82		
		For Up To 500, Add	6.33		
		For >500 To 1,000, Add	4.37		
		For >1,000 To 2,000, Add	2.41		
		For >2,000 To 5,000, Add	1.20		
		For >10,000 To 20,000, Deduct	-0.45		
		For >20,000 To 35,000, Deduct	-0.86		
		For >35,000 To 50,000, Deduct	-1.27		
		For >50,000 To 70,000, Deduct	-1.68		
		For >70,000, Deduct	-2.10		

03 31 13 00-0010 Concrete Delivery And Placement<sup>(03 31 13)</sup>  
 Note: Includes cleaning out equipment and standard concrete placement tests.

03 31 13 00-0011 Place 3000 PSI Concrete By Direct Chute<sup>(03 31 13 00-0010)</sup>  
 Note: Tasks for concrete placement "By Concrete Pump" exclude the pumping equipment. See CSI section 03 37 16 00-0001 for concrete pumping equipment.

03 31 13 00-0012 Place Concrete Pile Caps<sup>(03 31 13 00-0011)</sup>

03 31 13 00-0013	CY	Direct Chute, Place 3,000 PSI Concrete Pile Caps .....	228.47		
		For 2,000 PSI Concrete, Deduct	-8.07		
		For 2,500 PSI Concrete, Deduct	-4.04		
		For 3,500 PSI Concrete, Add	7.48		
		For 3,750 PSI Concrete, Add	10.17		
		For 4,000 PSI Concrete, Add	12.86		
		For 4,500 PSI Concrete, Add	14.95		
		For 5,000 PSI Concrete, Add	17.04		
		For 6,000 PSI Concrete, Add	40.37		
		For 7,500 PSI Concrete, Add	100.24		
		For White Cement Concrete, Add	17.94		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44		
		For High Early Strength, Type 3 ASTM C150, Add	14.95		
		For Lightweight Aggregate, ASTM C330, Add	52.33		
		For Up To 20, Add	31.59		
		For >20 To 50, Add	11.85		
		For >100 To 200, Deduct	-4.57		
		For >200 To 400, Deduct	-9.14		
		For >400, Deduct	-13.71		
		For DOT Class D, Add	64.43		
		For DOT Class E, Add	56.06		
		For DOT Class F, Add	64.88		
		For DOT Class G, Add	62.34		

03 31 13 00-0014	CY	Concrete Pump, Place 3,000 PSI Concrete Pile Caps .....	237.16		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct	-8.75		
		For 2,500 PSI Concrete, Deduct	-4.37		
		For 3,500 PSI Concrete, Add	8.10		
		For 3,750 PSI Concrete, Add	11.01		
		For 4,000 PSI Concrete, Add	13.93		
		For 4,500 PSI Concrete, Add	16.20		
		For 5,000 PSI Concrete, Add	18.46		
		For 6,000 PSI Concrete, Add	43.73		
		For 7,500 PSI Concrete, Add	108.59		
		For White Cement Concrete, Add	19.44		
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05		
		For High Early Strength, Type 3 ASTM C150, Add	16.20		
		For Lightweight Aggregate, ASTM C330, Add	56.69		
		For Up To 20, Add	30.08		
		For >20 To 50, Add	11.28		
		For >100 To 200, Deduct	-4.74		
		For >200 To 400, Deduct	-9.49		
		For >400, Deduct	-14.23		
		For DOT Class D, Add	69.80		
		For DOT Class E, Add	60.74		
		For DOT Class F, Add	70.29		
		For DOT Class G, Add	67.54		

03 31 13 00-0015 Place Concrete Continuous Footings<sup>(03 31 13 00-0011)</sup>

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0016	CY	Direct Chute, Place 3,000 PSI Concrete Continuous Footings.....	219.70	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.07	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.04	
		<i>For 3,500 PSI Concrete, Add</i>	7.48	
		<i>For 3,750 PSI Concrete, Add</i>	10.17	
		<i>For 4,000 PSI Concrete, Add</i>	12.86	
		<i>For 4,500 PSI Concrete, Add</i>	14.95	
		<i>For 5,000 PSI Concrete, Add</i>	17.04	
		<i>For 6,000 PSI Concrete, Add</i>	40.37	
		<i>For 7,500 PSI Concrete, Add</i>	100.24	
		<i>For White Cement Concrete, Add</i>	17.94	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.44	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.95	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	52.33	
		<i>For Up To 20, Add</i>	28.08	
		<i>For &gt;20 To 50, Add</i>	10.53	
		<i>For &gt;100 To 200, Deduct</i>	-4.39	
		<i>For &gt;200 To 400, Deduct</i>	-8.79	
		<i>For &gt;400, Deduct</i>	-13.18	
		<i>For DOT Class D, Add</i>	64.43	
		<i>For DOT Class E, Add</i>	56.06	
		<i>For DOT Class F, Add</i>	64.88	
		<i>For DOT Class G, Add</i>	62.34	
03 31 13 00-0017	CY	Concrete Pump, Place 3,000 PSI Concrete Continuous Footings.....	228.81	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.75	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.37	
		<i>For 3,500 PSI Concrete, Add</i>	8.10	
		<i>For 3,750 PSI Concrete, Add</i>	11.01	
		<i>For 4,000 PSI Concrete, Add</i>	13.93	
		<i>For 4,500 PSI Concrete, Add</i>	16.20	
		<i>For 5,000 PSI Concrete, Add</i>	18.46	
		<i>For 6,000 PSI Concrete, Add</i>	43.73	
		<i>For 7,500 PSI Concrete, Add</i>	108.59	
		<i>For White Cement Concrete, Add</i>	19.44	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.05	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.20	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	56.69	
		<i>For Up To 20, Add</i>	26.74	
		<i>For &gt;20 To 50, Add</i>	10.03	
		<i>For &gt;100 To 200, Deduct</i>	-4.58	
		<i>For &gt;200 To 400, Deduct</i>	-9.15	
		<i>For &gt;400, Deduct</i>	-13.73	
		<i>For DOT Class D, Add</i>	69.80	
		<i>For DOT Class E, Add</i>	60.74	
		<i>For DOT Class F, Add</i>	70.29	
		<i>For DOT Class G, Add</i>	67.54	

**03 31 13 00-0018 Place Concrete Spread Footings (03 31 13 00-0011)**

03 31 13 00-0019	CY	Direct Chute, Place 3,000 PSI Concrete Spread Footings.....	267.95	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.07	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.04	
		<i>For 3,500 PSI Concrete, Add</i>	7.48	
		<i>For 3,750 PSI Concrete, Add</i>	10.17	
		<i>For 4,000 PSI Concrete, Add</i>	12.86	
		<i>For 4,500 PSI Concrete, Add</i>	14.95	
		<i>For 5,000 PSI Concrete, Add</i>	17.04	
		<i>For 6,000 PSI Concrete, Add</i>	40.37	
		<i>For 7,500 PSI Concrete, Add</i>	100.24	
		<i>For White Cement Concrete, Add</i>	17.94	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.44	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.95	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	52.33	
		<i>For Up To 20, Add</i>	47.38	
		<i>For &gt;20 To 50, Add</i>	17.77	
		<i>For &gt;100 To 200, Deduct</i>	-5.36	
		<i>For &gt;200 To 400, Deduct</i>	-10.72	
		<i>For &gt;400, Deduct</i>	-16.08	
		<i>For DOT Class D, Add</i>	64.43	
		<i>For DOT Class E, Add</i>	56.06	
		<i>For DOT Class F, Add</i>	64.88	
		<i>For DOT Class G, Add</i>	62.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0020	CY	Concrete Pump, Place 3,000 PSI Concrete Spread Footings .....	274.78		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.75	
		For 2,500 PSI Concrete, Deduct		-4.37	
		For 3,500 PSI Concrete, Add		8.10	
		For 3,750 PSI Concrete, Add		11.01	
		For 4,000 PSI Concrete, Add		13.93	
		For 4,500 PSI Concrete, Add		16.20	
		For 5,000 PSI Concrete, Add		18.46	
		For 6,000 PSI Concrete, Add		43.73	
		For 7,500 PSI Concrete, Add		108.59	
		For White Cement Concrete, Add		19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		21.05	
		For High Early Strength, Type 3 ASTM C150, Add		16.20	
		For Lightweight Aggregate, ASTM C330, Add		56.69	
		For Up To 20, Add		45.13	
		For >20 To 50, Add		16.92	
		For >100 To 200, Deduct		-5.50	
		For >200 To 400, Deduct		-10.99	
		For >400, Deduct		-16.49	
		For DOT Class D, Add		69.80	
		For DOT Class E, Add		60.74	
		For DOT Class F, Add		70.29	
		For DOT Class G, Add		67.54	

**03 31 13 00-0021 Place Concrete Mat Foundation** (03 31 13 00-0011)

03 31 13 00-0022	CY	Direct Chute, Place 3,000 PSI Concrete Mat Foundation.....	170.56		
		For 2,000 PSI Concrete, Deduct		-8.07	
		For 2,500 PSI Concrete, Deduct		-4.04	
		For 3,500 PSI Concrete, Add		7.48	
		For 3,750 PSI Concrete, Add		10.17	
		For 4,000 PSI Concrete, Add		12.86	
		For 4,500 PSI Concrete, Add		14.95	
		For 5,000 PSI Concrete, Add		17.04	
		For 6,000 PSI Concrete, Add		40.37	
		For 7,500 PSI Concrete, Add		100.24	
		For White Cement Concrete, Add		19.94	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.44	
		For High Early Strength, Type 3 ASTM C150, Add		14.95	
		For Lightweight Aggregate, ASTM C330, Add		52.33	
		For Up To 20, Add		8.42	
		For >20 To 50, Add		3.16	
		For >100 To 200, Deduct		-3.41	
		For >200 To 400, Deduct		-6.82	
		For >400, Deduct		-10.23	
		For DOT Class D, Add		64.43	
		For DOT Class E, Add		56.06	
		For DOT Class F, Add		64.88	
		For DOT Class G, Add		62.34	
03 31 13 00-0023	CY	Concrete Pump, Place 3,000 PSI Concrete Mat Foundation.....	179.51		
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.75	
		For 2,500 PSI Concrete, Deduct		-4.37	
		For 3,500 PSI Concrete, Add		8.10	
		For 3,750 PSI Concrete, Add		11.01	
		For 4,000 PSI Concrete, Add		13.93	
		For 4,500 PSI Concrete, Add		16.20	
		For 5,000 PSI Concrete, Add		18.46	
		For 6,000 PSI Concrete, Add		43.73	
		For 7,500 PSI Concrete, Add		108.59	
		For White Cement Concrete, Add		19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		21.05	
		For High Early Strength, Type 3 ASTM C150, Add		16.20	
		For Lightweight Aggregate, ASTM C330, Add		56.69	
		For Up To 20, Add		7.02	
		For >20 To 50, Add		2.63	
		For >100 To 200, Deduct		-3.59	
		For >200 To 400, Deduct		-7.18	
		For >400, Deduct		-10.77	
		For DOT Class D, Add		69.80	
		For DOT Class E, Add		60.74	
		For DOT Class F, Add		70.29	
		For DOT Class G, Add		67.54	

**03 31 13 00-0024 Place Concrete Grade Beams** (03 31 13 00-0011)

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0025	CY	Direct Chute, Place 3000 PSI Concrete Grade Beam .....	205.65	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.07	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.04	
		<i>For 3,500 PSI Concrete, Add</i>	7.48	
		<i>For 3,750 PSI Concrete, Add</i>	10.17	
		<i>For 4,000 PSI Concrete, Add</i>	12.86	
		<i>For 4,500 PSI Concrete, Add</i>	14.95	
		<i>For 5,000 PSI Concrete, Add</i>	17.04	
		<i>For 6,000 PSI Concrete, Add</i>	40.37	
		<i>For 7,500 PSI Concrete, Add</i>	100.24	
		<i>For White Cement Concrete, Add</i>	17.94	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.44	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.95	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	52.33	
		<i>For Up To 20, Add</i>	22.46	
		<i>For &gt;20 To 50, Add</i>	8.42	
		<i>For &gt;100 To 200, Deduct</i>	-4.11	
		<i>For &gt;200 To 400, Deduct</i>	-8.23	
		<i>For &gt;400, Deduct</i>	-12.34	
		<i>For DOT Class D, Add</i>	64.43	
		<i>For DOT Class E, Add</i>	56.06	
		<i>For DOT Class F, Add</i>	64.88	
		<i>For DOT Class G, Add</i>	62.34	
03 31 13 00-0026	CY	Concrete Pump, Place 3000 PSI Concrete Grade Beam.....	215.44	
		Note: Excludes pumping equipment.		
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.75	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.37	
		<i>For 3,500 PSI Concrete, Add</i>	8.10	
		<i>For 3,750 PSI Concrete, Add</i>	11.01	
		<i>For 4,000 PSI Concrete, Add</i>	13.93	
		<i>For 4,500 PSI Concrete, Add</i>	16.20	
		<i>For 5,000 PSI Concrete, Add</i>	18.46	
		<i>For 6,000 PSI Concrete, Add</i>	43.73	
		<i>For 7,500 PSI Concrete, Add</i>	108.59	
		<i>For White Cement Concrete, Add</i>	19.44	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.05	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.20	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	56.69	
		<i>For Up To 20, Add</i>	21.39	
		<i>For &gt;20 To 50, Add</i>	8.02	
		<i>For &gt;100 To 200, Deduct</i>	-4.31	
		<i>For &gt;200 To 400, Deduct</i>	-8.62	
		<i>For &gt;400, Deduct</i>	-12.93	
		<i>For DOT Class D, Add</i>	69.80	
		<i>For DOT Class E, Add</i>	60.74	
		<i>For DOT Class F, Add</i>	70.29	
		<i>For DOT Class G, Add</i>	67.54	
03 31 13 00-0027		<b>Place Concrete Slab On Grade</b> (03 31 13 00-0011)		
03 31 13 00-0028	CY	Up To 6", Direct Chute, Place 3000 PSI Concrete Slab On Grade .....	206.97	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.07	
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.04	
		<i>For 3,500 PSI Concrete, Add</i>	7.48	
		<i>For 3,750 PSI Concrete, Add</i>	10.17	
		<i>For 4,000 PSI Concrete, Add</i>	12.86	
		<i>For 4,500 PSI Concrete, Add</i>	14.95	
		<i>For 5,000 PSI Concrete, Add</i>	17.04	
		<i>For 6,000 PSI Concrete, Add</i>	40.37	
		<i>For 7,500 PSI Concrete, Add</i>	100.24	
		<i>For White Cement Concrete, Add</i>	17.94	
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.44	
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.95	
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	52.33	
		<i>For Up To 20, Add</i>	22.99	
		<i>For &gt;20 To 50, Add</i>	8.62	
		<i>For &gt;100 To 200, Deduct</i>	-4.14	
		<i>For &gt;200 To 400, Deduct</i>	-8.28	
		<i>For &gt;400, Deduct</i>	-12.42	
		<i>For DOT Class D, Add</i>	64.43	
		<i>For DOT Class E, Add</i>	56.06	
		<i>For DOT Class F, Add</i>	64.88	
		<i>For DOT Class G, Add</i>	62.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0029	CY	>6", Direct Chute, Place 3000 PSI Concrete Slab On Grade .....		193.11	
		For 2,000 PSI Concrete, Deduct		-8.07	
		For 2,500 PSI Concrete, Deduct		-4.04	
		For 3,500 PSI Concrete, Add		7.48	
		For 3,750 PSI Concrete, Add		10.17	
		For 4,000 PSI Concrete, Add		12.86	
		For 4,500 PSI Concrete, Add		14.95	
		For 5,000 PSI Concrete, Add		17.04	
		For 6,000 PSI Concrete, Add		40.37	
		For 7,500 PSI Concrete, Add		100.24	
		For White Cement Concrete, Add		17.94	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.44	
		For High Early Strength, Type 3 ASTM C150, Add		14.95	
		For Lightweight Aggregate, ASTM C330, Add		52.33	
		For Up To 20, Add		17.44	
		For >20 To 50, Add		6.54	
		For >100 To 200, Deduct		-3.86	
		For >200 To 400, Deduct		-7.72	
		For >400, Deduct		-11.59	
		For DOT Class D, Add		64.43	
		For DOT Class E, Add		56.06	
		For DOT Class F, Add		64.88	
		For DOT Class G, Add		62.34	
03 31 13 00-0030	CY	Up To 6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade .....		209.86	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.75	
		For 2,500 PSI Concrete, Deduct		-4.37	
		For 3,500 PSI Concrete, Add		8.10	
		For 3,750 PSI Concrete, Add		11.01	
		For 4,000 PSI Concrete, Add		13.93	
		For 4,500 PSI Concrete, Add		16.20	
		For 5,000 PSI Concrete, Add		18.46	
		For 6,000 PSI Concrete, Add		43.73	
		For 7,500 PSI Concrete, Add		108.59	
		For White Cement Concrete, Add		19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		21.05	
		For High Early Strength, Type 3 ASTM C150, Add		16.20	
		For Lightweight Aggregate, ASTM C330, Add		56.69	
		For Up To 20, Add		19.16	
		For >20 To 50, Add		7.19	
		For >100 To 200, Deduct		-4.20	
		For >200 To 400, Deduct		-8.39	
		For >400, Deduct		-12.59	
		For DOT Class D, Add		69.80	
		For DOT Class E, Add		60.74	
		For DOT Class F, Add		70.29	
		For DOT Class G, Add		67.54	
03 31 13 00-0031	CY	>6", Concrete Pump, Place 3000 PSI Concrete Slab On Grade .....		198.30	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.75	
		For 2,500 PSI Concrete, Deduct		-4.37	
		For 3,500 PSI Concrete, Add		8.10	
		For 3,750 PSI Concrete, Add		11.01	
		For 4,000 PSI Concrete, Add		13.93	
		For 4,500 PSI Concrete, Add		16.20	
		For 5,000 PSI Concrete, Add		18.46	
		For 6,000 PSI Concrete, Add		43.73	
		For 7,500 PSI Concrete, Add		108.59	
		For White Cement Concrete, Add		19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		21.05	
		For High Early Strength, Type 3 ASTM C150, Add		16.20	
		For Lightweight Aggregate, ASTM C330, Add		56.69	
		For Up To 20, Add		14.54	
		For >20 To 50, Add		5.45	
		For >100 To 200, Deduct		-3.97	
		For >200 To 400, Deduct		-7.93	
		For >400, Deduct		-11.90	
		For DOT Class D, Add		69.80	
		For DOT Class E, Add		60.74	
		For DOT Class F, Add		70.29	
		For DOT Class G, Add		67.54	

03 31 13 00-0032 Place Concrete Stairs (03 31 13 00-0011)

## 03 Concrete

## 03 30 Cast-In-Place Concrete

## 03 31 Structural Concrete

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0033	CY	Direct Chute, Place 3,000 PSI On Grade Concrete Stairs .....	408.13
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.07
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.04
		<i>For 3,500 PSI Concrete, Add</i>	7.48
		<i>For 3,750 PSI Concrete, Add</i>	10.17
		<i>For 4,000 PSI Concrete, Add</i>	12.86
		<i>For 4,500 PSI Concrete, Add</i>	14.95
		<i>For 5,000 PSI Concrete, Add</i>	17.04
		<i>For 6,000 PSI Concrete, Add</i>	40.37
		<i>For 7,500 PSI Concrete, Add</i>	100.24
		<i>For White Cement Concrete, Add</i>	17.94
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.44
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.95
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	52.33
		<i>For Up To 20, Add</i>	103.45
		<i>For &gt;20 To 50, Add</i>	38.79
		<i>For &gt;100 To 200, Deduct</i>	-8.16
		<i>For &gt;200 To 400, Deduct</i>	-16.33
		<i>For &gt;400, Deduct</i>	-24.49
		<i>For DOT Class D, Add</i>	64.43
		<i>For DOT Class E, Add</i>	56.06
		<i>For DOT Class F, Add</i>	64.88
		<i>For DOT Class G, Add</i>	62.34
03 31 13 00-0034	CY	Concrete Pump, Place 3,000 PSI On Grade Concrete Stairs .....	377.52
		Note: Excludes pumping equipment.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.75
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.37
		<i>For 3,500 PSI Concrete, Add</i>	8.10
		<i>For 3,750 PSI Concrete, Add</i>	11.01
		<i>For 4,000 PSI Concrete, Add</i>	13.93
		<i>For 4,500 PSI Concrete, Add</i>	16.20
		<i>For 5,000 PSI Concrete, Add</i>	18.46
		<i>For 6,000 PSI Concrete, Add</i>	43.73
		<i>For 7,500 PSI Concrete, Add</i>	108.59
		<i>For White Cement Concrete, Add</i>	19.44
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	21.05
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	16.20
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	56.69
		<i>For Up To 20, Add</i>	86.22
		<i>For &gt;20 To 50, Add</i>	32.33
		<i>For &gt;100 To 200, Deduct</i>	-7.55
		<i>For &gt;200 To 400, Deduct</i>	-15.10
		<i>For &gt;400, Deduct</i>	-22.65
		<i>For DOT Class D, Add</i>	69.80
		<i>For DOT Class E, Add</i>	60.74
		<i>For DOT Class F, Add</i>	70.29
		<i>For DOT Class G, Add</i>	67.54

## 03 31 13 00-0035 Place Concrete Superstructure By Method Indicated (03 31 13 00-0010)

See CSI section 03 37 16 00-0001 for concrete pump truck.

## 03 31 13 00-0036 Place Elevated Concrete Beams (03 31 13 00-0035)

03 31 13 00-0037	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Beams .....	387.35
		Note: Excludes crane and bucket.	
		<i>For 2,000 PSI Concrete, Deduct</i>	-8.07
		<i>For 2,500 PSI Concrete, Deduct</i>	-4.04
		<i>For 3,500 PSI Concrete, Add</i>	7.48
		<i>For 3,750 PSI Concrete, Add</i>	10.17
		<i>For 4,000 PSI Concrete, Add</i>	12.86
		<i>For 4,500 PSI Concrete, Add</i>	14.95
		<i>For 5,000 PSI Concrete, Add</i>	17.04
		<i>For 6,000 PSI Concrete, Add</i>	40.37
		<i>For 7,500 PSI Concrete, Add</i>	100.24
		<i>For White Cement Concrete, Add</i>	17.94
		<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	19.44
		<i>For High Early Strength, Type 3 ASTM C150, Add</i>	14.95
		<i>For Lightweight Aggregate, ASTM C330, Add</i>	52.33
		<i>For Up To 20, Add</i>	95.14
		<i>For &gt;20 To 50, Add</i>	35.68
		<i>For &gt;100 To 200, Deduct</i>	-7.75
		<i>For &gt;200 To 400, Deduct</i>	-15.49
		<i>For &gt;400, Deduct</i>	-23.24
		<i>For DOT Class D, Add</i>	64.43
		<i>For DOT Class E, Add</i>	56.06
		<i>For DOT Class F, Add</i>	64.88
		<i>For DOT Class G, Add</i>	62.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0038	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Beams.....		295.66	
		Note: Excludes pumping equipment.			
		For 2,000 PSI Concrete, Deduct		-8.75	
		For 2,500 PSI Concrete, Deduct		-4.37	
		For 3,500 PSI Concrete, Add		8.10	
		For 3,750 PSI Concrete, Add		11.01	
		For 4,000 PSI Concrete, Add		13.93	
		For 4,500 PSI Concrete, Add		16.20	
		For 5,000 PSI Concrete, Add		18.46	
		For 6,000 PSI Concrete, Add		43.73	
		For 7,500 PSI Concrete, Add		108.59	
		For White Cement Concrete, Add		19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		21.05	
		For High Early Strength, Type 3 ASTM C150, Add		16.20	
		For Lightweight Aggregate, ASTM C330, Add		56.69	
		For Up To 20, Add		53.48	
		For >20 To 50, Add		20.06	
		For >100 To 200, Deduct		-5.91	
		For >200 To 400, Deduct		-11.83	
		For >400, Deduct		-17.74	
		For DOT Class D, Add		69.80	
		For DOT Class E, Add		60.74	
		For DOT Class F, Add		70.29	
		For DOT Class G, Add		67.54	

**03 31 13 00-0039 Place Elevated Concrete Slab** (03 31 13 00-0035)

03 31 13 00-0040	CY	Pour Elevated Slab, < 6", Crane And Bucket, 3000 PSI Concrete.....		374.68	
		Note: Excludes crane and bucket.			
		For 2,000 PSI Concrete, Deduct		-8.07	
		For 2,500 PSI Concrete, Deduct		-4.04	
		For 3,500 PSI Concrete, Add		7.48	
		For 3,750 PSI Concrete, Add		10.17	
		For 4,000 PSI Concrete, Add		12.86	
		For 4,500 PSI Concrete, Add		14.95	
		For 5,000 PSI Concrete, Add		17.04	
		For 6,000 PSI Concrete, Add		40.37	
		For 7,500 PSI Concrete, Add		100.24	
		For White Cement Concrete, Add		17.94	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.44	
		For High Early Strength, Type 3 ASTM C150, Add		14.95	
		For Lightweight Aggregate, ASTM C330, Add		52.33	
		For Up To 20, Add		90.07	
		For >20 To 50, Add		33.78	
		For >100 To 200, Deduct		-7.49	
		For >200 To 400, Deduct		-14.99	
		For >400, Deduct		-22.48	
		For DOT Class D, Add		64.43	
		For DOT Class E, Add		56.06	
		For DOT Class F, Add		64.88	
		For DOT Class G, Add		62.34	
03 31 13 00-0041	CY	Pour Elevated Slab, >= 6", Crane And Bucket, 3000 PSI Concrete.....		314.07	
		Note: Excludes crane and bucket.			
		For 2,000 PSI Concrete, Deduct		-8.07	
		For 2,500 PSI Concrete, Deduct		-4.04	
		For 3,500 PSI Concrete, Add		7.48	
		For 3,750 PSI Concrete, Add		10.17	
		For 4,000 PSI Concrete, Add		12.86	
		For 4,500 PSI Concrete, Add		14.95	
		For 5,000 PSI Concrete, Add		17.04	
		For 6,000 PSI Concrete, Add		40.37	
		For 7,500 PSI Concrete, Add		100.24	
		For White Cement Concrete, Add		17.94	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add		19.44	
		For High Early Strength, Type 3 ASTM C150, Add		14.95	
		For Lightweight Aggregate, ASTM C330, Add		52.33	
		For Up To 20, Add		65.83	
		For >20 To 50, Add		24.69	
		For >100 To 200, Deduct		-6.28	
		For >200 To 400, Deduct		-12.56	
		For >400, Deduct		-18.84	
		For DOT Class D, Add		64.43	
		For DOT Class E, Add		56.06	
		For DOT Class F, Add		64.88	
		For DOT Class G, Add		62.34	

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0042	CY	Pour Elevated Slab, Up To 6", Concrete Pump, 3000 PSI Concrete .....	224.91	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.75	
		For 2,500 PSI Concrete, Deduct	-4.37	
		For 3,500 PSI Concrete, Add	8.10	
		For 3,750 PSI Concrete, Add	11.01	
		For 4,000 PSI Concrete, Add	13.93	
		For 4,500 PSI Concrete, Add	16.20	
		For 5,000 PSI Concrete, Add	18.46	
		For 6,000 PSI Concrete, Add	43.73	
		For 7,500 PSI Concrete, Add	108.59	
		For White Cement Concrete, Add	19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
		For High Early Strength, Type 3 ASTM C150, Add	16.20	
		For Lightweight Aggregate, ASTM C330, Add	56.69	
		For Up To 20, Add	25.18	
		For >20 To 50, Add	9.44	
		For >100 To 200, Deduct	-4.50	
		For >200 To 400, Deduct	-9.00	
		For >400, Deduct	-13.49	
		For DOT Class D, Add	69.80	
		For DOT Class E, Add	60.74	
		For DOT Class F, Add	70.29	
		For DOT Class G, Add	67.54	
03 31 13 00-0043	CY	Pour Elevated Slab, >6", Concrete Pump, 3000 PSI Concrete .....	209.72	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.75	
		For 2,500 PSI Concrete, Deduct	-4.37	
		For 3,500 PSI Concrete, Add	8.10	
		For 3,750 PSI Concrete, Add	11.01	
		For 4,000 PSI Concrete, Add	13.93	
		For 4,500 PSI Concrete, Add	16.20	
		For 5,000 PSI Concrete, Add	18.46	
		For 6,000 PSI Concrete, Add	43.73	
		For 7,500 PSI Concrete, Add	108.59	
		For White Cement Concrete, Add	19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
		For High Early Strength, Type 3 ASTM C150, Add	16.20	
		For Lightweight Aggregate, ASTM C330, Add	56.69	
		For Up To 20, Add	19.10	
		For >20 To 50, Add	7.16	
		For >100 To 200, Deduct	-4.19	
		For >200 To 400, Deduct	-8.39	
		For >400, Deduct	-12.58	
		For DOT Class D, Add	69.80	
		For DOT Class E, Add	60.74	
		For DOT Class F, Add	70.29	
		For DOT Class G, Add	67.54	
03 31 13 00-0044		<b>Place Concrete Columns (03 31 13 00-0035)</b>		
03 31 13 00-0045	CY	12" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns .....	417.07	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-8.07	
		For 2,500 PSI Concrete, Deduct	-4.04	
		For 3,500 PSI Concrete, Add	7.48	
		For 3,750 PSI Concrete, Add	10.17	
		For 4,000 PSI Concrete, Add	12.86	
		For 4,500 PSI Concrete, Add	14.95	
		For 5,000 PSI Concrete, Add	17.04	
		For 6,000 PSI Concrete, Add	40.37	
		For 7,500 PSI Concrete, Add	100.24	
		For White Cement Concrete, Add	17.94	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
		For High Early Strength, Type 3 ASTM C150, Add	14.95	
		For Lightweight Aggregate, ASTM C330, Add	52.33	
		For Up To 20, Add	107.03	
		For >20 To 50, Add	40.14	
		For >100 To 200, Deduct	-8.34	
		For >200 To 400, Deduct	-16.68	
		For >400, Deduct	-25.02	
		For DOT Class D, Add	64.43	
		For DOT Class E, Add	56.06	
		For DOT Class F, Add	64.88	
		For DOT Class G, Add	62.34	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	03 31	13 00-0046	CY	18" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns ..... 344.07		
				Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-8.07	
				For 2,500 PSI Concrete, Deduct	-4.04	
				For 3,500 PSI Concrete, Add	7.48	
				For 3,750 PSI Concrete, Add	10.17	
				For 4,000 PSI Concrete, Add	12.86	
				For 4,500 PSI Concrete, Add	14.95	
				For 5,000 PSI Concrete, Add	17.04	
				For 6,000 PSI Concrete, Add	40.37	
				For 7,500 PSI Concrete, Add	100.24	
				For White Cement Concrete, Add	17.94	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
				For High Early Strength, Type 3 ASTM C150, Add	14.95	
				For Lightweight Aggregate, ASTM C330, Add	52.33	
				For Up To 20, Add	77.83	
				For >20 To 50, Add	29.19	
				For >100 To 200, Deduct	-6.88	
				For >200 To 400, Deduct	-13.76	
				For >400, Deduct	-20.64	
				For DOT Class D, Add	64.43	
				For DOT Class E, Add	56.06	
				For DOT Class F, Add	64.88	
				For DOT Class G, Add	62.34	
	03 31	13 00-0047	CY	24" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns ..... 302.38		
				Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-8.07	
				For 2,500 PSI Concrete, Deduct	-4.04	
				For 3,500 PSI Concrete, Add	7.48	
				For 3,750 PSI Concrete, Add	10.17	
				For 4,000 PSI Concrete, Add	12.86	
				For 4,500 PSI Concrete, Add	14.95	
				For 5,000 PSI Concrete, Add	17.04	
				For 6,000 PSI Concrete, Add	40.37	
				For 7,500 PSI Concrete, Add	100.24	
				For White Cement Concrete, Add	17.94	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
				For High Early Strength, Type 3 ASTM C150, Add	14.95	
				For Lightweight Aggregate, ASTM C330, Add	52.33	
				For Up To 20, Add	61.15	
				For >20 To 50, Add	22.93	
				For >100 To 200, Deduct	-6.05	
				For >200 To 400, Deduct	-12.10	
				For >400, Deduct	-18.14	
				For DOT Class D, Add	64.43	
				For DOT Class E, Add	56.06	
				For DOT Class F, Add	64.88	
				For DOT Class G, Add	62.34	
	03 31	13 00-0048	CY	36" Square Or Round, By Crane And Bucket, Place 3000 PSI Concrete Columns ..... 256.53		
				Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-8.07	
				For 2,500 PSI Concrete, Deduct	-4.04	
				For 3,500 PSI Concrete, Add	7.48	
				For 3,750 PSI Concrete, Add	10.17	
				For 4,000 PSI Concrete, Add	12.86	
				For 4,500 PSI Concrete, Add	14.95	
				For 5,000 PSI Concrete, Add	17.04	
				For 6,000 PSI Concrete, Add	40.37	
				For 7,500 PSI Concrete, Add	100.24	
				For White Cement Concrete, Add	17.94	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
				For High Early Strength, Type 3 ASTM C150, Add	14.95	
				For Lightweight Aggregate, ASTM C330, Add	52.33	
				For Up To 20, Add	42.81	
				For >20 To 50, Add	16.05	
				For >100 To 200, Deduct	-5.13	
				For >200 To 400, Deduct	-10.26	
				For >400, Deduct	-15.39	
				For DOT Class D, Add	64.43	
				For DOT Class E, Add	56.06	
				For DOT Class F, Add	64.88	
				For DOT Class G, Add	62.34	

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

03 31 13 00-0049	CY	12" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	306.36	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.75	
		For 2,500 PSI Concrete, Deduct	-4.37	
		For 3,500 PSI Concrete, Add	8.10	
		For 3,750 PSI Concrete, Add	11.01	
		For 4,000 PSI Concrete, Add	13.93	
		For 4,500 PSI Concrete, Add	16.20	
		For 5,000 PSI Concrete, Add	18.46	
		For 6,000 PSI Concrete, Add	43.73	
		For 7,500 PSI Concrete, Add	108.59	
		For White Cement Concrete, Add	19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
		For High Early Strength, Type 3 ASTM C150, Add	16.20	
		For Lightweight Aggregate, ASTM C330, Add	56.69	
		For Up To 20, Add	57.76	
		For >20 To 50, Add	21.66	
		For >100 To 200, Deduct	-6.13	
		For >200 To 400, Deduct	-12.25	
		For >400, Deduct	-18.38	
		For DOT Class D, Add	69.80	
		For DOT Class E, Add	60.74	
		For DOT Class F, Add	70.29	
		For DOT Class G, Add	67.54	
03 31 13 00-0050	CY	18" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	266.92	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.75	
		For 2,500 PSI Concrete, Deduct	-4.37	
		For 3,500 PSI Concrete, Add	8.10	
		For 3,750 PSI Concrete, Add	11.01	
		For 4,000 PSI Concrete, Add	13.93	
		For 4,500 PSI Concrete, Add	16.20	
		For 5,000 PSI Concrete, Add	18.46	
		For 6,000 PSI Concrete, Add	43.73	
		For 7,500 PSI Concrete, Add	108.59	
		For White Cement Concrete, Add	19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
		For High Early Strength, Type 3 ASTM C150, Add	16.20	
		For Lightweight Aggregate, ASTM C330, Add	56.69	
		For Up To 20, Add	41.98	
		For >20 To 50, Add	15.74	
		For >100 To 200, Deduct	-5.34	
		For >200 To 400, Deduct	-10.68	
		For >400, Deduct	-16.02	
		For DOT Class D, Add	69.80	
		For DOT Class E, Add	60.74	
		For DOT Class F, Add	70.29	
		For DOT Class G, Add	67.54	
03 31 13 00-0051	CY	24" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns .....	238.71	
		Note: Excludes pumping equipment.		
		For 2,000 PSI Concrete, Deduct	-8.75	
		For 2,500 PSI Concrete, Deduct	-4.37	
		For 3,500 PSI Concrete, Add	8.10	
		For 3,750 PSI Concrete, Add	11.01	
		For 4,000 PSI Concrete, Add	13.93	
		For 4,500 PSI Concrete, Add	16.20	
		For 5,000 PSI Concrete, Add	18.46	
		For 6,000 PSI Concrete, Add	43.73	
		For 7,500 PSI Concrete, Add	108.59	
		For White Cement Concrete, Add	19.44	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
		For High Early Strength, Type 3 ASTM C150, Add	16.20	
		For Lightweight Aggregate, ASTM C330, Add	56.69	
		For Up To 20, Add	30.70	
		For >20 To 50, Add	11.51	
		For >100 To 200, Deduct	-4.77	
		For >200 To 400, Deduct	-9.55	
		For >400, Deduct	-14.32	
		For DOT Class D, Add	69.80	
		For DOT Class E, Add	60.74	
		For DOT Class F, Add	70.29	
		For DOT Class G, Add	67.54	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31 13 00-0052	CY			36" Square Or Round, By Concrete Pump, Place 3,000 PSI Concrete Columns ..... 226.13		
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-8.75	
				For 2,500 PSI Concrete, Deduct	-4.37	
				For 3,500 PSI Concrete, Add	8.10	
				For 3,750 PSI Concrete, Add	11.01	
				For 4,000 PSI Concrete, Add	13.93	
				For 4,500 PSI Concrete, Add	16.20	
				For 5,000 PSI Concrete, Add	18.46	
				For 6,000 PSI Concrete, Add	43.73	
				For 7,500 PSI Concrete, Add	108.59	
				For White Cement Concrete, Add	19.44	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
				For High Early Strength, Type 3 ASTM C150, Add	16.20	
				For Lightweight Aggregate, ASTM C330, Add	56.69	
				For Up To 20, Add	25.67	
				For >20 To 50, Add	9.63	
				For >100 To 200, Deduct	-4.52	
				For >200 To 400, Deduct	-9.05	
				For >400, Deduct	-13.57	
				For DOT Class D, Add	69.80	
				For DOT Class E, Add	60.74	
				For DOT Class F, Add	70.29	
				For DOT Class G, Add	67.54	

**03 31 13 00-0053 Place Concrete Walls** (03 31 13 00-0035)

03 31 13 00-0054	CY			8" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls ..... 470.73		
				Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-8.07	
				For 2,500 PSI Concrete, Deduct	-4.04	
				For 3,500 PSI Concrete, Add	7.48	
				For 3,750 PSI Concrete, Add	10.17	
				For 4,000 PSI Concrete, Add	12.86	
				For 4,500 PSI Concrete, Add	14.95	
				For 5,000 PSI Concrete, Add	17.04	
				For 6,000 PSI Concrete, Add	40.37	
				For 7,500 PSI Concrete, Add	100.24	
				For White Cement Concrete, Add	17.94	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
				For High Early Strength, Type 3 ASTM C150, Add	14.95	
				For Lightweight Aggregate, ASTM C330, Add	52.33	
				For Up To 20, Add	128.49	
				For >20 To 50, Add	48.18	
				For >100 To 200, Deduct	-9.41	
				For >200 To 400, Deduct	-18.83	
				For >400, Deduct	-28.24	
				For DOT Class D, Add	64.43	
				For DOT Class E, Add	56.06	
				For DOT Class F, Add	64.88	
				For DOT Class G, Add	62.34	
03 31 13 00-0055	CY			12" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls ..... 433.79		
				Note: Excludes crane and bucket.		
				For 2,000 PSI Concrete, Deduct	-8.07	
				For 2,500 PSI Concrete, Deduct	-4.04	
				For 3,500 PSI Concrete, Add	7.48	
				For 3,750 PSI Concrete, Add	10.17	
				For 4,000 PSI Concrete, Add	12.86	
				For 4,500 PSI Concrete, Add	14.95	
				For 5,000 PSI Concrete, Add	17.04	
				For 6,000 PSI Concrete, Add	40.37	
				For 7,500 PSI Concrete, Add	100.24	
				For White Cement Concrete, Add	17.94	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
				For High Early Strength, Type 3 ASTM C150, Add	14.95	
				For Lightweight Aggregate, ASTM C330, Add	52.33	
				For Up To 20, Add	113.72	
				For >20 To 50, Add	42.64	
				For >100 To 200, Deduct	-8.68	
				For >200 To 400, Deduct	-17.35	
				For >400, Deduct	-26.03	
				For DOT Class D, Add	64.43	
				For DOT Class E, Add	56.06	
				For DOT Class F, Add	64.88	
				For DOT Class G, Add	62.34	

## 03 Concrete

## 03 30 Cast-In-Place Concrete

## 03 31 Structural Concrete

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0056	CY	15" Thick, By Crane And Bucket, Place 3000 PSI Concrete Walls .....	420.25	
		Note: Excludes crane and bucket.		
		For 2,000 PSI Concrete, Deduct	-8.07	
		For 2,500 PSI Concrete, Deduct	-4.04	
		For 3,500 PSI Concrete, Add	7.48	
		For 3,750 PSI Concrete, Add	10.17	
		For 4,000 PSI Concrete, Add	12.86	
		For 4,500 PSI Concrete, Add	14.95	
		For 5,000 PSI Concrete, Add	17.04	
		For 6,000 PSI Concrete, Add	40.37	
		For 7,500 PSI Concrete, Add	100.24	
		For White Cement Concrete, Add	17.94	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
		For High Early Strength, Type 3 ASTM C150, Add	14.95	
		For Lightweight Aggregate, ASTM C330, Add	52.33	
		For Up To 20, Add	108.30	
		For >20 To 50, Add	40.61	
		For >100 To 200, Deduct	-8.41	
		For >200 To 400, Deduct	-16.81	
		For >400, Deduct	-25.22	
		For DOT Class D, Add	64.43	
		For DOT Class E, Add	56.06	
		For DOT Class F, Add	64.88	
		For DOT Class G, Add	62.34	
03 31 13 00-0057	CY	Up To 8" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	291.64	
		For 2,000 PSI Concrete, Deduct	-8.07	
		For 2,500 PSI Concrete, Deduct	-4.04	
		For 3,500 PSI Concrete, Add	7.48	
		For 3,750 PSI Concrete, Add	10.17	
		For 4,000 PSI Concrete, Add	12.86	
		For 4,500 PSI Concrete, Add	14.95	
		For 5,000 PSI Concrete, Add	17.04	
		For 6,000 PSI Concrete, Add	40.37	
		For 7,500 PSI Concrete, Add	100.24	
		For White Cement Concrete, Add	17.94	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
		For High Early Strength, Type 3 ASTM C150, Add	14.95	
		For Lightweight Aggregate, ASTM C330, Add	52.33	
		For Up To 20, Add	56.86	
		For >20 To 50, Add	21.32	
		For >100 To 200, Deduct	-5.83	
		For >200 To 400, Deduct	-11.67	
		For >400, Deduct	-17.50	
		For DOT Class D, Add	64.43	
		For DOT Class E, Add	56.06	
		For DOT Class F, Add	64.88	
		For DOT Class G, Add	62.34	
03 31 13 00-0058	CY	12" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	263.21	
		For 2,000 PSI Concrete, Deduct	-8.07	
		For 2,500 PSI Concrete, Deduct	-4.04	
		For 3,500 PSI Concrete, Add	7.48	
		For 3,750 PSI Concrete, Add	10.17	
		For 4,000 PSI Concrete, Add	12.86	
		For 4,500 PSI Concrete, Add	14.95	
		For 5,000 PSI Concrete, Add	17.04	
		For 6,000 PSI Concrete, Add	40.37	
		For 7,500 PSI Concrete, Add	100.24	
		For White Cement Concrete, Add	17.94	
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
		For High Early Strength, Type 3 ASTM C150, Add	14.95	
		For Lightweight Aggregate, ASTM C330, Add	52.33	
		For Up To 20, Add	45.48	
		For >20 To 50, Add	17.06	
		For >100 To 200, Deduct	-5.26	
		For >200 To 400, Deduct	-10.53	
		For >400, Deduct	-15.79	
		For DOT Class D, Add	64.43	
		For DOT Class E, Add	56.06	
		For DOT Class F, Add	64.88	
		For DOT Class G, Add	62.34	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
03 31	13	00-0059	CY	15" Thick, By Direct Chute, Place 3,000 PSI Concrete Walls .....	249.00	
				For 2,000 PSI Concrete, Deduct	-8.07	
				For 2,500 PSI Concrete, Deduct	-4.04	
				For 3,500 PSI Concrete, Add	7.48	
				For 3,750 PSI Concrete, Add	10.17	
				For 4,000 PSI Concrete, Add	12.86	
				For 4,500 PSI Concrete, Add	14.95	
				For 5,000 PSI Concrete, Add	17.04	
				For 6,000 PSI Concrete, Add	40.37	
				For 7,500 PSI Concrete, Add	100.24	
				For White Cement Concrete, Add	17.94	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
				For High Early Strength, Type 3 ASTM C150, Add	14.95	
				For Lightweight Aggregate, ASTM C330, Add	52.33	
				For Up To 20, Add	39.80	
				For >20 To 50, Add	14.93	
				For >100 To 200, Deduct	-4.98	
				For >200 To 400, Deduct	-9.96	
				For >400, Deduct	-14.94	
				For DOT Class D, Add	64.43	
				For DOT Class E, Add	56.06	
				For DOT Class F, Add	64.88	
				For DOT Class G, Add	62.34	
03 31	13	00-0060	CY	Up To 8" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	297.33	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-8.75	
				For 2,500 PSI Concrete, Deduct	-4.37	
				For 3,500 PSI Concrete, Add	8.10	
				For 3,750 PSI Concrete, Add	11.01	
				For 4,000 PSI Concrete, Add	13.93	
				For 4,500 PSI Concrete, Add	16.20	
				For 5,000 PSI Concrete, Add	18.46	
				For 6,000 PSI Concrete, Add	43.73	
				For 7,500 PSI Concrete, Add	108.59	
				For White Cement Concrete, Add	19.44	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
				For High Early Strength, Type 3 ASTM C150, Add	16.20	
				For Lightweight Aggregate, ASTM C330, Add	56.69	
				For Up To 20, Add	54.15	
				For >20 To 50, Add	20.31	
				For >100 To 200, Deduct	-5.95	
				For >200 To 400, Deduct	-11.89	
				For >400, Deduct	-17.84	
				For DOT Class D, Add	69.80	
				For DOT Class E, Add	60.74	
				For DOT Class F, Add	70.29	
				For DOT Class G, Add	67.54	
03 31	13	00-0061	CY	12" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	270.26	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-8.75	
				For 2,500 PSI Concrete, Deduct	-4.37	
				For 3,500 PSI Concrete, Add	8.10	
				For 3,750 PSI Concrete, Add	11.01	
				For 4,000 PSI Concrete, Add	13.93	
				For 4,500 PSI Concrete, Add	16.20	
				For 5,000 PSI Concrete, Add	18.46	
				For 6,000 PSI Concrete, Add	43.73	
				For 7,500 PSI Concrete, Add	108.59	
				For White Cement Concrete, Add	19.44	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
				For High Early Strength, Type 3 ASTM C150, Add	16.20	
				For Lightweight Aggregate, ASTM C330, Add	56.69	
				For Up To 20, Add	43.32	
				For >20 To 50, Add	16.25	
				For >100 To 200, Deduct	-5.41	
				For >200 To 400, Deduct	-10.81	
				For >400, Deduct	-16.22	
				For DOT Class D, Add	69.80	
				For DOT Class E, Add	60.74	
				For DOT Class F, Add	70.29	
				For DOT Class G, Add	67.54	

**03 Concrete****03 30 Cast-In-Place Concrete****03 31 Structural Concrete**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

03 31 13 00-0062	CY	15" Thick, By Concrete Pump, Place 3,000 PSI Concrete Walls .....	256.73
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.75
		For 2,500 PSI Concrete, Deduct	-4.37
		For 3,500 PSI Concrete, Add	8.10
		For 3,750 PSI Concrete, Add	11.01
		For 4,000 PSI Concrete, Add	13.93
		For 4,500 PSI Concrete, Add	16.20
		For 5,000 PSI Concrete, Add	18.46
		For 6,000 PSI Concrete, Add	43.73
		For 7,500 PSI Concrete, Add	108.59
		For White Cement Concrete, Add	19.44
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05
		For High Early Strength, Type 3 ASTM C150, Add	16.20
		For Lightweight Aggregate, ASTM C330, Add	56.69
		For Up To 20, Add	37.91
		For >20 To 50, Add	14.22
		For >100 To 200, Deduct	-5.13
		For >200 To 400, Deduct	-10.27
		For >400, Deduct	-15.40
		For DOT Class D, Add	69.80
		For DOT Class E, Add	60.74
		For DOT Class F, Add	70.29
		For DOT Class G, Add	67.54

**03 31 13 00-0063 Place Elevated Concrete Stairs (03 31 13 00-0035)**

03 31 13 00-0064	CY	Concrete Pump, Place 3,000 PSI Elevated Concrete Stairs .....	401.43
		Note: Excludes pumping equipment.	
		For 2,000 PSI Concrete, Deduct	-8.75
		For 2,500 PSI Concrete, Deduct	-4.37
		For 3,500 PSI Concrete, Add	8.10
		For 3,750 PSI Concrete, Add	11.01
		For 4,000 PSI Concrete, Add	13.93
		For 4,500 PSI Concrete, Add	16.20
		For 5,000 PSI Concrete, Add	18.46
		For 6,000 PSI Concrete, Add	43.73
		For 7,500 PSI Concrete, Add	108.59
		For White Cement Concrete, Add	19.44
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05
		For High Early Strength, Type 3 ASTM C150, Add	16.20
		For Lightweight Aggregate, ASTM C330, Add	56.69
		For Up To 20, Add	95.79
		For >20 To 50, Add	35.92
		For >100 To 200, Deduct	-8.03
		For >200 To 400, Deduct	-16.06
		For >400, Deduct	-24.09
		For DOT Class D, Add	69.80
		For DOT Class E, Add	60.74
		For DOT Class F, Add	70.29
		For DOT Class G, Add	67.54

03 31 13 00-0065	CY	Crane And Bucket, Place 3000 PSI Elevated Concrete Stairs .....	635.87
		Note: Excludes crane and bucket.	
		For 2,000 PSI Concrete, Deduct	-8.07
		For 2,500 PSI Concrete, Deduct	-4.04
		For 3,500 PSI Concrete, Add	7.48
		For 3,750 PSI Concrete, Add	10.17
		For 4,000 PSI Concrete, Add	12.86
		For 4,500 PSI Concrete, Add	14.95
		For 5,000 PSI Concrete, Add	17.04
		For 6,000 PSI Concrete, Add	40.37
		For 7,500 PSI Concrete, Add	100.24
		For White Cement Concrete, Add	17.94
		For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44
		For High Early Strength, Type 3 ASTM C150, Add	14.95
		For Lightweight Aggregate, ASTM C330, Add	52.33
		For Up To 20, Add	194.55
		For >20 To 50, Add	72.96
		For >100 To 200, Deduct	-12.72
		For >200 To 400, Deduct	-25.43
		For >400, Deduct	-38.15
		For DOT Class D, Add	64.43
		For DOT Class E, Add	56.06
		For DOT Class F, Add	64.88
		For DOT Class G, Add	62.34

**03 31 13 00-0066 Place Concrete Coping (03 31 13 00-0035)**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 31	13 00-0067	CY		Direct Chute, Place 3,000 PSI Concrete Coping .....	434.93	
				For 2,000 PSI Concrete, Deduct	-8.07	
				For 2,500 PSI Concrete, Deduct	-4.04	
				For 3,500 PSI Concrete, Add	7.48	
				For 3,750 PSI Concrete, Add	10.17	
				For 4,000 PSI Concrete, Add	12.86	
				For 4,500 PSI Concrete, Add	14.95	
				For 5,000 PSI Concrete, Add	17.04	
				For 6,000 PSI Concrete, Add	40.37	
				For 7,500 PSI Concrete, Add	100.24	
				For White Cement Concrete, Add	17.94	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	19.44	
				For High Early Strength, Type 3 ASTM C150, Add	14.95	
				For Lightweight Aggregate, ASTM C330, Add	52.33	
				For Up To 20, Add	114.17	
				For >20 To 50, Add	42.81	
				For >100 To 200, Deduct	-8.70	
				For >200 To 400, Deduct	-17.40	
				For >400, Deduct	-26.10	
				For DOT Class D, Add	64.43	
				For DOT Class E, Add	56.06	
				For DOT Class F, Add	64.88	
				For DOT Class G, Add	62.34	
03 31	13 00-0068	CY		Concrete Pump, Place 3,000 PSI Concrete Coping .....	594.28	
				Note: Excludes pumping equipment.		
				For 2,000 PSI Concrete, Deduct	-8.75	
				For 2,500 PSI Concrete, Deduct	-4.37	
				For 3,500 PSI Concrete, Add	8.10	
				For 3,750 PSI Concrete, Add	11.01	
				For 4,000 PSI Concrete, Add	13.93	
				For 4,500 PSI Concrete, Add	16.20	
				For 5,000 PSI Concrete, Add	18.46	
				For 6,000 PSI Concrete, Add	43.73	
				For 7,500 PSI Concrete, Add	108.59	
				For White Cement Concrete, Add	19.44	
				For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	21.05	
				For High Early Strength, Type 3 ASTM C150, Add	16.20	
				For Lightweight Aggregate, ASTM C330, Add	56.69	
				For Up To 20, Add	172.93	
				For >20 To 50, Add	64.85	
				For >100 To 200, Deduct	-11.89	
				For >200 To 400, Deduct	-23.77	
				For >400, Deduct	-35.66	
				For DOT Class D, Add	69.80	
				For DOT Class E, Add	60.74	
				For DOT Class F, Add	70.29	
				For DOT Class G, Add	67.54	

**03 31 13 00-0069**

**Concrete Carts** (03 31 13 00-0010)

Note: Used to place concrete were necessary.

03 31	13 00-0070	CY		50' Haul, Non-Motorized, Concrete Buggy.....	34.52	
				150' Haul, Non-Motorized, Concrete Buggy.....	46.22	
				250' Haul, Non-Motorized, Concrete Buggy.....	61.65	
				50' Haul, Motorized, Concrete Buggy .....	15.17	
				150' Haul, Motorized, Concrete Buggy .....	20.34	
				250' Haul, Motorized, Concrete Buggy .....	27.13	

**03 31 13 00-0076**

**Concrete Bucket** (03 31 13 00-0010)

Note: Excludes crane rental. Use "Direct Chute" concrete tasks from appropriate section to place into bucket and place concrete.

03 31	13 00-0077	DAY		2 CY Concrete Bucket Rental.....	235.91	
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**03 31 13 00-0078**

**Delivery Fee For Small Concrete Purchases (Short Load)** (03 31 13)

03 31	13 00-0079	EA		Up To 3 CY, Delivery Fee For Small Concrete Purchases (Short Load) .....	150.00	
				>3 To <7 CY, Delivery Fee For Small Concrete Purchases (Short Load).....	75.00	

**03 31 16**

**Lightweight Structural Concrete** (03 31)

**03 31 16 00-0001**

**Low Density Cellular / Foam Concrete Fill** (03 31 16)

03 31	16 00-0002	CY		Lightweight Low Density Pervious Cellular/Foam Concrete, 100 To 120 PCF Density Range.....	344.92	
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**03 35 Concrete Finishing** (03 30)

**03 35 13**

**High-Tolerance Concrete Floor Finishing** (03 35)

**03 35 13 00-0001**

**Floor Finishes** (03 35 13)

Note: Task is for final finish type and includes all required prior finishes.

03 35	13 00-0002	SF		Screed, Concrete Floor Finish .....	1.41	
				For Up To 100, Add	2.82	
				For >100 To 250, Add	0.71	
				For >250 To 500, Add	0.35	
				For >5,000 To 10,000, Deduct	-0.07	
				For >10,000, Deduct	-0.14	

**03 Concrete****03 30 Cast-In-Place Concrete****03 35 Concrete Finishing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

03 35 13 00-0003	SF	Darby, Concrete Floor Finish .....	1.70	
		<i>For Up To 100, Add</i> .....	3.40	
		<i>For &gt;100 To 250, Add</i> .....	0.85	
		<i>For &gt;250 To 500, Add</i> .....	0.43	
		<i>For &gt;5,000 To 10,000, Deduct</i> .....	-0.09	
		<i>For &gt;10,000, Deduct</i> .....	-0.17	
03 35 13 00-0004	SF	Broom, Concrete Floor Finish .....	1.87	
		<i>For Up To 100, Add</i> .....	3.74	
		<i>For &gt;100 To 250, Add</i> .....	0.94	
		<i>For &gt;250 To 500, Add</i> .....	0.47	
		<i>For &gt;5,000 To 10,000, Deduct</i> .....	-0.09	
		<i>For &gt;10,000, Deduct</i> .....	-0.19	
03 35 13 00-0005	SF	Final Float, Concrete Floor Finish .....	2.16	
		<i>For Up To 100, Add</i> .....	4.32	
		<i>For &gt;100 To 250, Add</i> .....	1.08	
		<i>For &gt;250 To 500, Add</i> .....	0.54	
		<i>For &gt;5,000 To 10,000, Deduct</i> .....	-0.11	
		<i>For &gt;10,000, Deduct</i> .....	-0.22	
03 35 13 00-0006	SF	Steel Trowel, Concrete Floor Finish .....	2.43	
		<i>For Up To 100, Add</i> .....	4.86	
		<i>For &gt;100 To 250, Add</i> .....	1.22	
		<i>For &gt;250 To 500, Add</i> .....	0.61	
		<i>For &gt;5,000 To 10,000, Deduct</i> .....	-0.12	
		<i>For &gt;10,000, Deduct</i> .....	-0.24	

**03 35 16 Heavy-Duty Concrete Floor Finishing (03 35)**

03 35 16 00-0001		Shake On Floor Hardeners (03 35 16)		
03 35 16 00-0002	SF	0.3 LB/SF, Metallic, Shake On Floor Hardener .....	1.59	
03 35 16 00-0003	SF	0.65 LB/SF, Metallic, Shake On Floor Hardener .....	2.33	
03 35 16 00-0004	SF	0.3 LB/SF, Non-Metallic, Shake On Floor Hardener .....	1.53	
03 35 16 00-0005	SF	0.65 LB/SF, Non-Metallic, Shake On Floor Hardener .....	1.75	

**03 35 19 Colored Concrete Finishing (03 35)**

03 35 19 00-0001		Concrete Surface Treatments (03 35 19)		
03 35 19 00-0002	SF	Acrylic Latex Bonding Agent .....	0.71	
03 35 19 00-0003	SF	Epoxy Resin Bonding Agent .....	3.85	
03 35 19 00-0004	SF	Clear Acrylic Sealer, Hardener And Dustproof .....	0.46	
03 35 19 00-0005	SF	Colored Acrylic Sealer, Hardener And Dustproof .....	0.49	

**03 35 23 Exposed Aggregate Concrete Finishing (03 35)**

03 35 23 00-0001		Exposed Aggregate, Concrete Finish (03 35 23)		
03 35 23 00-0002	SF	Exposed Aggregate, Concrete Floor Finish .....	4.83	

**03 35 26 Grooved Concrete Surface Finishing (03 35)**

03 35 26 00-0001		Ramp, Grooved Concrete Surface Finishing (03 35 26)		
03 35 26 00-0002	SF	Ramp, Grooved Concrete Surface Finishing .....	5.38	

**03 35 33 Stamped Concrete Finishing (03 35)**

03 35 33 00-0001		Stamped Concrete Finishes (03 35 33)		
03 35 33 00-0002	SF	Up To 2,500 SF Stamped Concrete Finish .....	5.58	
03 35 33 00-0003	SF	>2,500 To 10,000 SF Stamped Concrete Finish .....	5.05	
03 35 33 00-0004	SF	>10,000 SF Stamped Concrete Finish .....	4.83	

**03 35 43 Polished Concrete Finishing (03 35)**

03 35 43 00-0001		Concrete Floor Polishing System (03 35 43)		
		Note: The floor polishing system below may consist of one or multiple applications of each task/step below depending on existing conditions and desired results.		
03 35 43 00-0002	SF	Mechanically Grind Concrete Floor With 40 Grit Metal Bonded Diamond Wheels .....	2.63	
		<i>For Up To 500, Add</i> .....	5.02	
		<i>For &gt;500 To 1,000, Add</i> .....	4.66	
		<i>For &gt;1,000 To 2,500, Add</i> .....	3.08	
		<i>For &gt;2,500 To 4,000, Add</i> .....	1.61	
		<i>For &gt;8,000 To 15,000, Deduct</i> .....	-0.62	
		<i>For &gt;15,000 To 25,000, Deduct</i> .....	-0.79	
		<i>For &gt;25,000, Deduct</i> .....	-1.11	
03 35 43 00-0003	SF	Mechanically Grind Concrete Floor With 80 Grit Metal Bonded Diamond Wheels .....	2.11	
		<i>For Up To 500, Add</i> .....	4.02	
		<i>For &gt;500 To 1,000, Add</i> .....	3.73	
		<i>For &gt;1,000 To 2,500, Add</i> .....	2.46	
		<i>For &gt;2,500 To 4,000, Add</i> .....	1.28	
		<i>For &gt;8,000 To 15,000, Deduct</i> .....	-0.50	
		<i>For &gt;15,000 To 25,000, Deduct</i> .....	-0.63	
		<i>For &gt;25,000, Deduct</i> .....	-0.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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03 35 43 00-0004	SF	Mechanically Grind Concrete Floor With 100 Grit Resin Bonded Diamond Wheels .....	1.76		
		For Up To 500, Add	3.34		
		For >500 To 1,000, Add	3.10		
		For >1,000 To 2,500, Add	2.05		
		For >2,500 To 4,000, Add	1.07		
		For >8,000 To 15,000, Deduct	-0.41		
		For >15,000 To 25,000, Deduct	-0.52		
		For >25,000, Deduct	-0.74		
03 35 43 00-0005	SF	Mechanically Grind Concrete Floor With 150 Grit Metal Bonded Diamond Wheels.....	1.65		
		For Up To 500, Add	3.12		
		For >500 To 1,000, Add	2.90		
		For >1,000 To 2,500, Add	1.92		
		For >2,500 To 4,000, Add	1.00		
		For >8,000 To 15,000, Deduct	-0.39		
		For >15,000 To 25,000, Deduct	-0.49		
		For >25,000, Deduct	-0.69		
03 35 43 00-0006	SF	Mechanically Grind Concrete Floor With 200 Grit Resin Bonded Diamond Wheels .....	1.51		
		For Up To 500, Add	2.85		
		For >500 To 1,000, Add	2.65		
		For >1,000 To 2,500, Add	1.75		
		For >2,500 To 4,000, Add	0.91		
		For >8,000 To 15,000, Deduct	-0.35		
		For >15,000 To 25,000, Deduct	-0.45		
		For >25,000, Deduct	-0.63		
03 35 43 00-0007	SF	Mechanically Grind Concrete Floor With 400 Grit Resin Bonded Diamond Wheels .....	1.51		
		For Up To 500, Add	2.85		
		For >500 To 1,000, Add	2.65		
		For >1,000 To 2,500, Add	1.75		
		For >2,500 To 4,000, Add	0.91		
		For >8,000 To 15,000, Deduct	-0.35		
		For >15,000 To 25,000, Deduct	-0.45		
		For >25,000, Deduct	-0.63		
03 35 43 00-0008	SF	Mechanically Grind Concrete Floor With 800 Grit Resin Bonded Diamond Wheels .....	1.51		
		For Up To 500, Add	2.85		
		For >500 To 1,000, Add	2.65		
		For >1,000 To 2,500, Add	1.75		
		For >2,500 To 4,000, Add	0.91		
		For >8,000 To 15,000, Deduct	-0.35		
		For >15,000 To 25,000, Deduct	-0.45		
		For >25,000, Deduct	-0.63		
03 35 43 00-0009	SF	Mechanically Grind Concrete Floor With 1,500 Grit Resin Bonded Diamond Wheels .....	1.51		
		For Up To 500, Add	2.85		
		For >500 To 1,000, Add	2.65		
		For >1,000 To 2,500, Add	1.75		
		For >2,500 To 4,000, Add	0.91		
		For >8,000 To 15,000, Deduct	-0.35		
		For >15,000 To 25,000, Deduct	-0.45		
		For >25,000, Deduct	-0.63		
03 35 43 00-0010	SF	High Speed Burnish Concrete Floor With Diamond Pads.....	0.36		
		For Up To 500, Add	0.62		
		For >500 To 1,000, Add	0.58		
		For >1,000 To 2,500, Add	0.38		
		For >2,500 To 4,000, Add	0.20		
		For >8,000 To 15,000, Deduct	-0.08		
		For >15,000 To 25,000, Deduct	-0.10		
		For >25,000, Deduct	-0.14		
03 35 43 00-0011	SF	Apply 1 Coat Of Concrete Densifier For Concrete Floor Polishing .....	0.70		
		For Up To 500, Add	0.78		
		For >500 To 1,000, Add	0.72		
		For >1,000 To 2,500, Add	0.48		
		For >2,500 To 4,000, Add	0.25		
		For >8,000 To 15,000, Deduct	-0.10		
		For >15,000 To 25,000, Deduct	-0.12		
		For >25,000, Deduct	-0.17		
03 35 43 00-0012	SF	Apply 2 Coats Of Concrete Densifier With Stain Protector For Concrete Floor Polishing.....	1.19		
		For Up To 500, Add	1.14		
		For >500 To 1,000, Add	1.06		
		For >1,000 To 2,500, Add	0.70		
		For >2,500 To 4,000, Add	0.37		
		For >8,000 To 15,000, Deduct	-0.14		
		For >15,000 To 25,000, Deduct	-0.18		
		For >25,000, Deduct	-0.25		
03 35 43 00-0013	SF	Concrete Floor Polishing Final Clean Up.....	0.21		
		For Up To 500, Add	0.41		
		For >500 To 1,000, Add	0.38		
		For >1,000 To 2,500, Add	0.25		
		For >2,500 To 4,000, Add	0.13		
		For >8,000 To 15,000, Deduct	-0.05		
		For >15,000 To 25,000, Deduct	-0.06		
		For >25,000, Deduct	-0.09		

**03 35 63 Slip-Resistant Floor Finishing (03 35)**

**03 35 63 00-0001 Slip-Resistant Floor Finishing (03 35 63)**

03 35 63 00-0002	SF	Aluminum Oxide Abrasive Floor Finish, 0.25 LB/SF .....	2.01		
		For Up To 100, Add	2.68		
		For >100 To 250, Add	0.67		
		For >250 To 500, Add	0.34		
		For >5,000 To 10,000, Deduct	-0.07		
		For >10,000, Deduct	-0.13		

**03 Concrete**  
**03 30 Cast-In-Place Concrete**  
**03 35 Concrete Finishing**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

03 35 63 00-0003	SF	Silicone Carbide Abrasive Floor Finish 0.25 LB/SF .....	1.69	
		<i>For Up To 100, Add</i>	2.68	
		<i>For &gt;100 To 250, Add</i>	0.67	
		<i>For &gt;250 To 500, Add</i>	0.34	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
		<i>For &gt;10,000, Deduct</i>	-0.13	

**03 35 66 Acid Etch Floor Finishing (03 35)**

**03 35 66 00-0001 Acid Etch Floor (03 35 66)**

03 35 66 00-0002	SF	Concrete Floor Finishes, Etch With Acid And Rinse .....	1.12	
		<i>For Up To 100, Add</i>	1.30	
		<i>For &gt;100 To 250, Add</i>	0.33	
		<i>For &gt;250 To 500, Add</i>	0.16	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
		<i>For &gt;10,000, Deduct</i>	-0.07	

**03 35 83 Concrete Wall Finishing (03 35)**

**03 35 83 00-0001 Wall Finishes (03 35 83)**

03 35 83 00-0002	SF	Burlap Rub With Grout, New Concrete Wall Finishes .....	2.45	
		<i>For Up To 100, Add</i>	4.72	
		<i>For &gt;100 To 250, Add</i>	1.18	
		<i>For &gt;250 To 500, Add</i>	0.59	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
		<i>For &gt;10,000, Deduct</i>	-0.24	
03 35 83 00-0003	SF	1/16" Float Finish, New Concrete Wall Finishes .....	3.66	
		<i>For Up To 100, Add</i>	7.06	
		<i>For &gt;100 To 250, Add</i>	1.77	
		<i>For &gt;250 To 500, Add</i>	0.88	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
		<i>For &gt;10,000, Deduct</i>	-0.35	
03 35 83 00-0004	SF	Etch With Acid And Rinse, New Concrete Wall Finishes .....	1.25	
		<i>For Up To 100, Add</i>	1.56	
		<i>For &gt;100 To 250, Add</i>	0.39	
		<i>For &gt;250 To 500, Add</i>	0.20	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
		<i>For &gt;10,000, Deduct</i>	-0.08	
03 35 83 00-0005	SF	Bush Hammer Green Concrete, New Concrete Wall Finishes .....	7.52	
		<i>For Up To 100, Add</i>	14.96	
		<i>For &gt;100 To 250, Add</i>	3.74	
		<i>For &gt;250 To 500, Add</i>	1.87	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.37	
		<i>For &gt;10,000, Deduct</i>	-0.75	
03 35 83 00-0006	SF	Bush Hammer Cured Concrete, New Concrete Wall Finishes .....	11.65	
		<i>For Up To 100, Add</i>	23.12	
		<i>For &gt;100 To 250, Add</i>	5.78	
		<i>For &gt;250 To 500, Add</i>	2.89	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.58	
		<i>For &gt;10,000, Deduct</i>	-1.16	
03 35 83 00-0007	SF	Break Ties And Patch, New Concrete Wall Finishes .....	1.38	
		<i>For Up To 100, Add</i>	2.54	
		<i>For &gt;100 To 250, Add</i>	0.64	
		<i>For &gt;250 To 500, Add</i>	0.32	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.06	
		<i>For &gt;10,000, Deduct</i>	-0.13	
03 35 83 00-0008	SF	Carborundum Dry Rub, New Concrete Wall Finishes .....	4.83	
		<i>For Up To 100, Add</i>	9.44	
		<i>For &gt;100 To 250, Add</i>	2.36	
		<i>For &gt;250 To 500, Add</i>	1.18	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.24	
		<i>For &gt;10,000, Deduct</i>	-0.47	
03 35 83 00-0009	SF	Carborundum Wet Rub, New Concrete Wall Finishes .....	7.37	
		<i>For Up To 100, Add</i>	14.52	
		<i>For &gt;100 To 250, Add</i>	3.63	
		<i>For &gt;250 To 500, Add</i>	1.82	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.36	
		<i>For &gt;10,000, Deduct</i>	-0.73	
03 35 83 00-0010	SF	Up To 1/4" Penetration Abrasive Media Blasting, New Concrete Wall Finishes .....	7.01	
		Note: 4.5 Lbs of sand or abrasive media material per SF		
		<i>For Up To 100, Add</i>	11.70	
		<i>For &gt;100 To 250, Add</i>	2.93	
		<i>For &gt;250 To 500, Add</i>	1.46	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.29	
		<i>For &gt;10,000, Deduct</i>	-0.59	
03 35 83 00-0011	SF	>1/4" To 1/2" Penetration Abrasive Media Blasting, New Concrete Wall Finishes .....	14.02	
		Note: 9 Lbs of sand abrasive media material per SF		
		<i>For Up To 100, Add</i>	23.40	
		<i>For &gt;100 To 250, Add</i>	5.85	
		<i>For &gt;250 To 500, Add</i>	2.93	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.59	
		<i>For &gt;10,000, Deduct</i>	-1.17	

**03 37 Specialty Placed Concrete (03 30)**

Note: Includes gun finish. Not to be used for pumping concrete tasks. See CSI section 03 35 00 00-0000 for finishing.

**03 37 13 Shotcrete (03 37)**



<b>Concrete</b>	<b>03</b>	<b>03</b>
Cast-In-Place Concrete	03 30	
Specialty Placed Concrete	03 37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>03 37 13 00-0001</b>	<b>Shotcrete, Fiber Reinforced, Structural Repair</b> (03 37 13)	
03 37 13 00-0002	SF 1" Thick Shotcrete, Fiber Reinforced .....	4.26
	For Up To 25, Add	0.84
	For >25 To 50, Add	0.49
	For >50 To 150, Add	0.21
03 37 13 00-0003	SF 2" Thick Shotcrete, Fiber Reinforced .....	7.95
	For Up To 25, Add	1.54
	For >25 To 50, Add	0.89
	For >50 To 150, Add	0.37
03 37 13 00-0004	SF 3" Thick Shotcrete, Fiber Reinforced .....	11.18
	For Up To 25, Add	2.12
	For >25 To 50, Add	1.23
	For >50 To 150, Add	0.50
03 37 13 00-0005	SF 4" Thick Shotcrete, Fiber Reinforced .....	14.02
	For Up To 25, Add	2.61
	For >25 To 50, Add	1.50
	For >50 To 150, Add	0.60
03 37 13 00-0006	SF 6" Thick Shotcrete, Fiber Reinforced .....	18.74
	For Up To 25, Add	3.34
	For >25 To 50, Add	1.91
	For >50 To 150, Add	0.73

<b>03 37 13 00-0007</b>	<b>Gunite (Dry Mix Shotcrete), Sprayed</b> (03 37 13)	
	See CSI section 03 22 11 00-0001 for wire mesh reinforcing.	
03 37 13 00-0008	SF 1" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	4.83
	For Radius Or Irregular Surface, Add	1.52
	For Up To 25, Add	1.05
	For >25 To 50, Add	0.62
	For >50 To 150, Add	0.29
03 37 13 00-0009	SF 2" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	8.86
	For Radius Or Irregular Surface, Add	2.73
	For Up To 25, Add	1.91
	For >25 To 50, Add	1.13
	For >50 To 150, Add	0.51
03 37 13 00-0010	SF 3" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	12.27
	For Radius Or Irregular Surface, Add	3.68
	For Up To 25, Add	2.61
	For >25 To 50, Add	1.53
	For >50 To 150, Add	0.69
03 37 13 00-0011	SF 4" Thick Gunite (Dry Mix Shotcrete), Sprayed .....	15.13
	For Radius Or Irregular Surface, Add	4.42
	For Up To 25, Add	3.17
	For >25 To 50, Add	1.86
	For >50 To 150, Add	0.83

**03 37 16 Pumped Concrete** (03 37)

<b>03 37 16 00-0001</b>	<b>Concrete Pumping With Boom Truck Or Trailer</b> (03 37 16)	
	Note: Includes truck rental, operator, and local travel delivery. For delivery/set-up of equipment add one hour, for clean-up of equipment add one hour. Use four hours as the minimum cost including set-up and clean-up. Excludes concrete, use "Concrete Pump" concrete tasks from appropriate section to place into pump hopper and place concrete. Sizes are measured at a 30 degree vertical reach. See CSI section 03 31 13 00-0010 for concrete placement.	
03 37 16 00-0002	HR 55' To 60' Boom Truck For Concrete Placement (95 CY Per Hour Rating) .....	224.12
03 37 16 00-0003	HR 70' To 80' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	235.45
03 37 16 00-0004	HR 90' To 100' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	276.37
03 37 16 00-0005	HR 105' To 115' Boom Truck For Concrete Placement (117 CY Per Hour Rating) .....	301.84
03 37 16 00-0006	HR 120' To 130' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	328.13
03 37 16 00-0007	HR 135' To 140' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	383.80
03 37 16 00-0008	HR 148' To 155' Boom Truck For Concrete Placement (170 CY Per Hour Rating) .....	417.01
03 37 16 00-0009	HR 170' To 175' Boom Truck For Concrete Placement (182 CY Per Hour Rating) .....	497.46
03 37 16 00-0010	HR 35 CY/HR, 66 HP Trailer Mounted Concrete Pump .....	167.04
	Note: Includes hoses	

**03 39 Concrete Curing** (03 39)

**03 39 13 Water Concrete Curing** (03 39)

<b>03 39 13 00-0001</b>	<b>Water Concrete Curing</b> (03 39 13)	
03 39 13 00-0002	SF Water Based Curing, Sealing, Hardening And Dustproofing Compound .....	0.44
	Note: Coverage rates: rough finish = 300 SF/GAL, broom finish = 300 to 400 SF/GAL, steel troweled = 500 to 600 SF/GAL, and vertical surface = 400 - 500 SF/GAL.	

**03 39 23 Membrane Concrete Curing** (03 39)

**03 39 23 23 Sheet Membrane Concrete Curing** (03 39 23)

<b>03 39 23 23-0001</b>	<b>Warm Weather Concrete Curing Blankets</b> (03 39 23 23)	
03 39 23 23-0002	CSF Warm Weather Concrete Curing Blankets .....	39.85
<b>03 39 23 23-0003</b>	<b>Cold Weather Concrete Curing Blankets</b> (03 39 23 23)	
03 39 23 23-0004	CSF Electric, Cold Weather Concrete Curing Blanket .....	321.93
03 39 23 23-0005	CSF Non-Electric, Cold Weather Concrete Curing Blanket .....	46.26

<b>03</b>	<b>Concrete</b>
<b>03 30</b>	<b>Cast-In-Place Concrete</b>
<b>03 39</b>	<b>Concrete Curing</b>

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

### 03 40 Precast Concrete <sup>(03)</sup>

Note: Precast concrete material prices are based on a precast operation producing large quantities of precast products. Includes the concrete panel, delivery to construction site and overhead/mobilization charges for the precast plant.

#### 03 48 Precast Concrete Specialties <sup>(03 40)</sup>

##### 03 48 16 Precast Concrete Splash Blocks <sup>(03 48)</sup>

##### 03 48 16 00-0001 Precast Concrete Splash Blocks <sup>(03 48 16)</sup>

03 48 16 00-0002	EA	Precast Concrete Splash Blocks, 20" x 12" x 3" .....	43.00	5.55
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##### 03 48 54 Precast Concrete Blocks <sup>(03 48)</sup>

##### 03 48 54 00-0001 Precast Interlocking Concrete Blocks <sup>(03 48 54)</sup>

Note: Includes lifting loop

03 48 54 00-0002	EA	2' x 2' x 2' Precast Interlocking Concrete (Ecology) Block .....	155.57	57.08
03 48 54 00-0003	EA	2' x 2' x 3' Precast Interlocking Concrete (Ecology) Block .....	188.39	64.21
03 48 54 00-0004	EA	2' x 2' x 4' Precast Interlocking Concrete (Ecology) Block .....	221.22	71.34
03 48 54 00-0005	EA	2' x 2' x 6' Precast Interlocking Concrete (Ecology) Block .....	301.85	78.48
03 48 54 00-0006	EA	2' x 2' x 8' Precast Interlocking Concrete (Ecology) Block .....	361.08	85.61

### 03 50 Cast Decks and Underlayment <sup>(03)</sup>

#### 03 54 Cast Underlayment <sup>(03 50)</sup>

Note: Includes primer. Excludes sandblasting existing smooth finished concrete surface (where necessary).

##### 03 54 16 Hydraulic Cement Underlayment <sup>(03 54)</sup>

##### 03 54 16 00-0001 Self Leveling Cementitious Underlayment For Floors <sup>(03 54 16)</sup>

Note: Includes primer.

03 54 16 00-0002	SF	1/8" Thick Self Leveling Cementitious Underlayment For Floors .....	1.68	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0003	SF	1/4" Thick Self Leveling Cementitious Underlayment For Floors .....	2.74	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0004	SF	3/8" Thick Self Leveling Cementitious Underlayment For Floors .....	3.44	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0005	SF	1/2" Thick Self Leveling Cementitious Underlayment For Floors .....	4.86	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0006	SF	5/8" Thick Self Leveling Cementitious Underlayment For Floors .....	5.70	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.20	
		For >100 To 250 SF, Add	0.10	
03 54 16 00-0007	SF	3/4" Thick Self Leveling Cementitious Underlayment For Floors .....	7.04	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.23	
		For >100 To 250 SF, Add	0.11	
03 54 16 00-0008	SF	1" Thick Self Leveling Cementitious Underlayment For Floors .....	9.15	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.23	
		For >100 To 250 SF, Add	0.11	
03 54 16 00-0009	SF	1-1/4" Thick Self Leveling Cementitious Underlayment For Floors .....	12.04	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.26	
		For >100 To 250 SF, Add	0.13	
03 54 16 00-0010	SF	1-1/2" Thick Self Leveling Cementitious Underlayment For Floors .....	13.47	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.26	
		For >100 To 250 SF, Add	0.13	
03 54 16 00-0011	SF	1-3/4" Thick Self Leveling Cementitious Underlayment For Floors .....	17.83	
		Note: Including Surface Preparation		
		For Up To 100 SF, Add	0.32	
		For >100 To 250 SF, Add	0.16	

### 03 60 Grouting <sup>(03)</sup>

#### 03 61 Cementitious Grouting <sup>(03 60)</sup>

Note: 1 part cement to 3 parts sand by volume.

##### 03 61 16 Cementitious Flowable Grout <sup>(03 61)</sup>

##### 03 61 16 00-0001 Cementitious Flowable Grout <sup>(03 61 16)</sup>

03 61 16 00-0002	CY	Cementitious Flowable Grout.....	517.44	
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#### 03 62 Non-Shrink Grouting <sup>(03 60)</sup>

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**03 62 13 Non-Metallic Non-Shrink Grouting (03 62)**

03 62 13 00-0001	Fluid Type, Non-Metallic Non-Shrink Grouting For Bases (03 62 13)		
03 62 13 00-0002	SF 1" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases .....		32.50
03 62 13 00-0003	SF 2" Deep, Fluid Type, Non-Metallic Non-Shrink Grout For Bases .....		45.91
03 62 13 00-0004	Non-Metallic Non-Shrink Grouting For Bases (03 62 13)		
03 62 13 00-0005	SF 1" Deep, Non-Metallic Non-Shrink Grout For Bases .....		48.80
03 62 13 00-0006	SF 2" Deep, Non-Metallic Non-Shrink Grout For Bases .....		75.46
03 62 13 00-0007	Non-Metallic Non-Shrink Grouting For Joints (03 62 13)		
03 62 13 00-0008	1/2" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)		
03 62 13 00-0009	LF 4" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....		2.64
03 62 13 00-0010	LF 6" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....		3.40
03 62 13 00-0011	LF 8" Deep x 1/2" Thick, Non-Metallic Non-Shrink Grout For Joints .....		4.51
03 62 13 00-0012	1" Joint Thickness, Non-Metallic Non-Shrink Grout For Joints (03 62 13 00-0007)		
03 62 13 00-0013	LF 4" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....		3.77
03 62 13 00-0014	LF 6" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....		4.94
03 62 13 00-0015	LF 8" Deep x 1" Thick, Non-Metallic Non-Shrink Grout For Joints .....		6.55

**03 62 16 Metallic Non-Shrink Grouting (03 62)**

03 62 16 00-0001	Metallic Non-Shrink Grouting For Bases (03 62 16)		
03 62 16 00-0002	SF 1" Deep, Metallic Non-Shrink Grout For Bases .....		43.40
03 62 16 00-0003	SF 2" Deep, Metallic Non-Shrink Grout For Bases .....		65.00
03 62 16 00-0004	Metallic Non-Shrink Grouting For Joints (03 62 16)		
03 62 16 00-0005	1/2" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)		
03 62 16 00-0006	LF 4" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....		2.30
03 62 16 00-0007	LF 6" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....		2.89
03 62 16 00-0008	LF 8" Deep x 1/2" Thick, Metallic Non-Shrink Grout For Joints .....		3.85
03 62 16 00-0009	1" Joint Thickness, Metallic Non-Shrink Grout For Joints (03 62 16 00-0004)		
03 62 16 00-0010	LF 4" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....		3.11
03 62 16 00-0011	LF 6" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....		3.92
03 62 16 00-0012	LF 8" Deep x 1" Thick, Metallic Non-Shrink Grout For Joints .....		5.21

**03 63 Epoxy Grouting (03 60)**

03 63 00 00-0001	Spray On Concrete Epoxy Grout (03 63)		
	Note: (Sika 224) per thickness per coat.		
03 63 00 00-0002	SF 1/4" Thick Coat Spray On Concrete Epoxy Grout .....		4.67
	For Color, Add		1.12
03 63 00 00-0003	SF 3/8" Thick Coat Spray On Concrete Epoxy Grout .....		6.39
	For Color, Add		1.69
03 63 00 00-0004	SF 1/2" Thick Coat Spray On Concrete Epoxy Grout .....		8.13
	For Color, Add		2.25
03 63 00 00-0005	SF 5/8" Thick Coat Spray On Concrete Epoxy Grout .....		9.66
	For Color, Add		2.82
03 63 00 00-0006	SF 3/4" Thick Coat Spray On Concrete Epoxy Grout .....		11.21
	For Color, Add		3.38
03 63 00 00-0007	SF 1" Thick Coat Spray On Concrete Epoxy Grout .....		14.43
	For Color, Add		4.51

**03 64 Injection Grouting (03 60)**

Note: By volume of void filled. Includes injection ports.

**03 64 23 Epoxy Injection Grouting (03 64)**

03 64 23 00-0001	Pressure Injected Epoxy Grout (03 64 23)		
03 64 23 00-0002	CF Pressure Injected Epoxy Grout .....		1,378.86
	For >4, Deduct		-144.38

**03 64 26 Cementitious Injection Grouting (03 64)**

03 64 26 00-0001	Pressure Injected Cementitious Grout (03 64 26)		
03 64 26 00-0002	CF Pressure Injected Cementitious Grout .....		252.60
	For >4, Deduct		-61.94

**03 80 Concrete Cutting and Boring (03)**

**03 81 Concrete Cutting (03 80)**

**03 Concrete****03 80 Concrete Cutting and Boring****03 81 Concrete Cutting**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**03 81 13 Flat Concrete Sawing** (03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

**03 81 16 Track Mounted Concrete Wall Sawing** (03 81)

See CSI section 02 41 19 13-0001 for saw cutting.

**03 82 Concrete Boring** (03 80)**03 82 13 Concrete Core Drilling** (03 82)

See CSI section 02 41 19 13-0024 for core drilling.

**END OF SECTION 03**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 04 Masonry

### 04 01 Maintenance of Masonry <sup>(04)</sup>

#### 04 01 20 Maintenance of Unit Masonry <sup>(04 01)</sup>

Note: For use on existing brick. Includes clean-up of debris. Excludes disposal.

##### 04 01 20 41 Unit Masonry Stabilization <sup>(04 01 20)</sup>

##### 04 01 20 41-0001 Unit Masonry Stabilization (Helifix®) <sup>(04 01 20 41)</sup>

##### 04 01 20 41-0002 Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing solid masonry. Includes drilling, cementitious grout and patching surface.

##### 04 01 20 41-0003 304 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0004	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....	24.07
		For Up To 10, Add	13.58
		For >10 To 50, Add	6.79
04 01 20 41-0005	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....	32.28
		For Up To 10, Add	13.58
		For >10 To 50, Add	6.79
04 01 20 41-0006	EA	8mm Diameter, 900mm Length, 304 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....	41.20
		For Up To 10, Add	13.58
		For >10 To 50, Add	6.79

##### 04 01 20 41-0007 316 Stainless Steel Helical Pin, Grouted Ties For Stabilizing Solid Masonry (Helifix® CemTie) <sup>(04 01 20 41-0002)</sup>

04 01 20 41-0008	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....	25.85
		For Up To 10, Add	13.58
		For >10 To 50, Add	6.79
04 01 20 41-0009	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....	35.44
		For Up To 10, Add	13.58
		For >10 To 50, Add	6.79
04 01 20 41-0010	EA	8mm Diameter, 900mm Length, 316 Stainless Steel Helical Pin, Grouted Tie For Stabilizing Solid Masonry (Helifix® CemTie).....	45.94
		For Up To 10, Add	13.58
		For >10 To 50, Add	6.79

##### 04 01 20 41-0011 Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0001)</sup>

Note: Austenitic stainless steel. For stabilizing cracked masonry. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout. Excludes repairing vertical crack.

##### 04 01 20 41-0012 304 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>

04 01 20 41-0013	EA	4.5mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	71.62
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0014	EA	4.5mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	76.29
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0015	EA	4.5mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	184.55
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0016	EA	6mm Diameter, 1m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	71.62
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0017	EA	6mm Diameter, 1.2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	76.29
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0018	EA	6mm Diameter, 1.5m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	81.60
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0019	EA	6mm Diameter, 2m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	91.57
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0020	EA	6mm Diameter, 7m Length, 304 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	184.55
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16

##### 04 01 20 41-0021 316 Stainless Steel Helical Pin, Ties For Stitching Masonry Cracks (Helifix® Helibar) <sup>(04 01 20 41-0011)</sup>

04 01 20 41-0022	EA	4.5mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar).....	74.17
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 01 20 41-0023	EA	4.5mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	79.68
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0024	EA	4.5mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	205.72
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0025	EA	6mm Diameter, 1m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	74.17
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0026	EA	6mm Diameter, 1.2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	79.68
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0027	EA	6mm Diameter, 1.5m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	85.83
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0028	EA	6mm Diameter, 2m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	97.50
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16
04 01 20 41-0029	EA	6mm Diameter, 7m Length, 316 Stainless Steel Helical Pin, Tie For Stitching Masonry Cracks (Helifix® Helibar)	205.72
		For Up To 10, Add	54.32
		For >10 To 50, Add	27.16

**04 01 20 41-0030 Mechanical Repair Anchors (Helifix® TorkFix)** (04 01 20 41-0001)

Note: Austenitic stainless steel. For stabilizing masonry veneer walls to inner wythes of brick, concrete block, wood studs or steel studs. Includes drilling and patching surface.

**04 01 20 41-0031 304 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)** (04 01 20 41-0030)

04 01 20 41-0032	EA	4-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0033	EA	5-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.51
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0034	EA	6-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.35
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0035	EA	7-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.19
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0036	EA	8-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.02
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0037	EA	9-1/2" Length, Brick To Brick/Concrete Block, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.86
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0038	EA	4-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0039	EA	5-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.51
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0040	EA	6-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	14.35
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0041	EA	7-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	15.19
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0042	EA	8-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	16.02
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0043	EA	10-1/2" Length, Brick To Wood Frame/Steel Stud, 304 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	17.70
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0044	EA	4-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	12.68
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0045	EA	6-1/2" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	14.35
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0046	EA	8" Length, 304 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix)	15.60
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08

**04 01 20 41-0047 316 Stainless Steel, Mechanical Repair Anchors (Helifix® TorkFix)** (04 01 20 41-0030)

04 01 20 41-0048	EA	4-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	12.68
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08
04 01 20 41-0049	EA	5-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix)	13.51
		For Up To 10, Add	8.15
		For >10 To 50, Add	4.08



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0050 EA 6-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.35	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0051 EA 7-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.19	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0052 EA 8-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.02	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0053 EA 9-1/2" Length, Brick To Brick/Concrete Block, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	18.86	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0054 EA 4-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	12.68	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0055 EA 5-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	13.51	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0056 EA 6-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	14.35	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0057 EA 7-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	15.19	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0058 EA 8-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	16.02	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0059 EA 10-1/2" Length, Brick To Wood Frame/Steel Stud, 316 Stainless Steel, Mechanical Repair Anchor (Helifix® TorkFix).....	17.70	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0060 EA 4-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	12.68	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0061 EA 6-1/2" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	14.35	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
04 01 20 41-0062 EA 8" Length, 316 Stainless Steel, Veneer Panel Anchor (Helifix® TorkFix).....	15.60	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
<b>04 01 20 41-0063 Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0001)</b>		
<i>Note: Austenitic stainless steel. For pinning stucco, terracotta, granite, marble, etc., to concrete block, brick or solid concrete. Includes drilling and patching surface.</i>		
<b>04 01 20 41-0064 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)</b>		
04 01 20 41-0065 EA 8mm Diameter, 115mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	10.71	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
For Metal Stud Clip, Add	2.73	
04 01 20 41-0066 EA 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.01	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
For Metal Stud Clip, Add	2.73	
04 01 20 41-0067 EA 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.07	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
For Metal Stud Clip, Add	2.73	
04 01 20 41-0068 EA 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.19	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
For Metal Stud Clip, Add	2.73	
04 01 20 41-0069 EA 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.41	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
For Metal Stud Clip, Add	2.73	
04 01 20 41-0070 EA 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.60	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
For Metal Stud Clip, Add	2.73	
04 01 20 41-0071 EA 8mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.69	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
For Metal Stud Clip, Add	2.73	

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

04 01 20 41-0072	EA	8mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.81	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0073	EA	8mm Diameter, 325mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.34	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0074	EA	8mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.42	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0075	EA	8mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.06	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0076	EA	8mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	13.60	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0077	EA	8mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	14.07	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0078	EA	8mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	15.71	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0079	EA	8mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	17.17	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0080	EA	8mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	19.11	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0081	EA	10mm Diameter, 125mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	10.81	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0082	EA	10mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.14	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0083	EA	10mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.43	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0084	EA	10mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.69	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0085	EA	10mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.86	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0086	EA	10mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	11.97	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0087	EA	10mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.17	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0088	EA	10mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.25	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0089	EA	10mm Diameter, 350mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®)	12.62	
		<i>For Up To 10, Add</i>	8.15	
		<i>For &gt;10 To 50, Add</i>	4.08	
		<i>For Metal Stud Clip, Add</i>	2.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0090	EA		10mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.17	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0091	EA		10mm Diameter, 450mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.62	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0092	EA		10mm Diameter, 500mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.19	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0093	EA		10mm Diameter, 550mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	17.26	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0094	EA		10mm Diameter, 600mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.99	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0095	EA		10mm Diameter, 700mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.66	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0096	EA		8mm Tapered To 6.5mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.52	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0097	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.71	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0098	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.83	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0099	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	11.93	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0100	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.19	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0101	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.62	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0102	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.78	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0103	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	13.20	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0104	EA		10mm Tapered To 8mm Diameter, 155mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.01	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0105	EA		10mm Tapered To 8mm Diameter, 170mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.38	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0106	EA		10mm Tapered To 8mm Diameter, 195mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.64	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	
04 01 20 41-0107	EA		10mm Tapered To 8mm Diameter, 220mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.81	
			<i>For Up To 10, Add</i>	8.15	
			<i>For &gt;10 To 50, Add</i>	4.08	
			<i>For Metal Stud Clip, Add</i>	2.73	

## 04 Masonry

## 04 01 Maintenance of Masonry

## 04 01 20 Maintenance of Unit Masonry

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 01 20 41-0108	EA	10mm Tapered To 8mm Diameter, 245mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.93
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0109	EA	10mm Tapered To 8mm Diameter, 300mm Length, 304 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.20
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0110	EA	304 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	5.59
		Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.	
		<i>For Up To 10, Add</i>	4.07
		<i>For &gt;10 To 50, Add</i>	2.04

## 04 01 20 41-0111 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) (04 01 20 41-0063)

04 01 20 41-0112	EA	8mm Diameter, 115mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.19
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0113	EA	8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.56
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0114	EA	8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.64
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0115	EA	8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	11.79
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0116	EA	8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	12.06
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0117	EA	8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	12.29
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0118	EA	8mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	12.41
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0119	EA	8mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	12.56
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0120	EA	8mm Diameter, 325mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	13.11
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0121	EA	8mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	13.21
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0122	EA	8mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	14.01
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0123	EA	8mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	14.69
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0124	EA	8mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	15.28
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73
04 01 20 41-0125	EA	8mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®) .....	17.32
		<i>For Up To 10, Add</i>	8.15
		<i>For &gt;10 To 50, Add</i>	4.08
		<i>For Metal Stud Clip, Add</i>	2.73

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
04 01 20 41-0126	EA	8mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	18.99		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0127	EA	8mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.41		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0128	EA	10mm Diameter, 125mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.38		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0129	EA	10mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	11.75		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0130	EA	10mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.12		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0131	EA	10mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.44		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0132	EA	10mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.65		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0133	EA	10mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	12.79		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0134	EA	10mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.04		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0135	EA	10mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.14		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0136	EA	10mm Diameter, 350mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	13.58		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0137	EA	10mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.19		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0138	EA	10mm Diameter, 450mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	14.75		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0139	EA	10mm Diameter, 500mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	15.46		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0140	EA	10mm Diameter, 550mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	19.31		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0141	EA	10mm Diameter, 600mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	21.15		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0142	EA	10mm Diameter, 700mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix®).....	24.49		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		
04 01 20 41-0143	EA	8mm Tapered To 6.5mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric).....	12.28		
		<i>For Up To 10, Add</i>	8.15		
		<i>For &gt;10 To 50, Add</i>	4.08		
		<i>For Metal Stud Clip, Add</i>	2.73		

**04 Masonry****04 01 Maintenance of Masonry****04 01 20 Maintenance of Unit Masonry**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0144	EA		8mm Tapered To 6.5mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.49	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0145	EA		8mm Tapered To 6.5mm Diameter, 185mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.64	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0146	EA		8mm Tapered To 6.5mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.75	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0147	EA		8mm Tapered To 6.5mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.09	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0148	EA		8mm Tapered To 6.5mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.62	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0149	EA		8mm Tapered To 6.5mm Diameter, 270mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.80	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0150	EA		8mm Tapered To 6.5mm Diameter, 295mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	14.32	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0151	EA		10mm Tapered To 8mm Diameter, 155mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	12.82	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0152	EA		10mm Tapered To 8mm Diameter, 170mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.28	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0153	EA		10mm Tapered To 8mm Diameter, 195mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.60	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0154	EA		10mm Tapered To 8mm Diameter, 220mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.81	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0155	EA		10mm Tapered To 8mm Diameter, 245mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	13.95	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0156	EA		10mm Tapered To 8mm Diameter, 300mm Length, 316 Stainless Steel Helical Pin, Dry Mechanical Pinning And Remedial Tying System (Helifix® DryFix® Asymmetric) .....	14.30	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
			<i>For Metal Stud Clip, Add</i> .....	2.73	
04 01 20 41-0157	EA		316 Stainless Steel, Seismic Connector (Helifix® DryFix®) .....	5.96	
			Note: For installation over the DryFix® helical pin. Excludes removal of grout from the horizontal mortar joint and installation of Helibar or 9 gauge continuous wire.		
			<i>For Up To 10, Add</i> .....	4.07	
			<i>For &gt;10 To 50, Add</i> .....	2.04	
04 01 20 41-0158			<b>Concrete Patching Pins (Helifix® PatchPin)</b> (04 01 20 41-0001) Note: Austenitic stainless steel. For patching reinforced concrete. Includes drilling. Excludes patching mortar.		
04 01 20 41-0159			<b>304 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b> (04 01 20 41-0158)		
04 01 20 41-0160	EA		8mm Diameter, 70mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	9.54	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
04 01 20 41-0161	EA		8mm Diameter, 102mm Length, 304 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	9.59	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	
04 01 20 41-0162			<b>316 Stainless Steel Helical Pin, Concrete Patching Pins (Helifix® PatchPin)</b> (04 01 20 41-0158)		
04 01 20 41-0163	EA		8mm Diameter, 70mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	9.80	
			<i>For Up To 10, Add</i> .....	8.15	
			<i>For &gt;10 To 50, Add</i> .....	4.08	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 01 20 41-0164 EA 8mm Diameter, 102mm Length, 316 Stainless Steel Helical Pin, Concrete Patching Pin (Helifix® PatchPin) .....	9.86	
For Up To 10, Add	8.15	
For >10 To 50, Add	4.08	
<b>04 01 20 41-0165 Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0001)</b>		
Note: Austenitic stainless steel. For creating movement joints in existing walls. Includes removing horizontal mortar and re-pointing mortar bed. Includes cementitious grout.		
<b>04 01 20 41-0166 304 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)</b>		
04 01 20 41-0167 EA 6mm Diameter, 400mm Length, 304 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	62.30	
For Up To 10, Add	54.32	
For >10 To 50, Add	27.16	
<b>04 01 20 41-0168 316 Stainless Steel Helical Pin, Movement Joint Ties (Helifix® Movement Joint Tie) (04 01 20 41-0165)</b>		
04 01 20 41-0169 EA 6mm Diameter, 400mm Length, 316 Stainless Steel Helical Pin, Movement Joint Tie With De-Bond Sleeve (Helifix® Movement Joint Tie) .....	63.48	
For Up To 10, Add	54.32	
For >10 To 50, Add	27.16	
<b>04 01 20 41-0170 Unit Masonry Stabilization (04 01 20 41)</b>		
<b>04 01 20 41-0171 Repair Bulging Or Loose Masonry (04 01 20 41-0170)</b>		
04 01 20 41-0172 SF Repair Bulging Or Loose Masonry Using Existing Masonry .....	104.15	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and reinstalling brick and mortar.		
04 01 20 41-0173 SF Repair Bulging Or Loose Masonry Using New Masonry .....	110.26	
Note: Includes saw cutting, toothing, removing loose masonry, installing anchor and installing new brick and mortar.		
<b>04 01 20 51 Unit Masonry Maintenance (04 01 20)</b>		
<b>04 01 20 51-0001 Repair Masonry (04 01 20 51)</b>		
Note: Includes mortar for repair.		
04 01 20 51-0002 SF Patch And Repair Terra Cotta Walls Or Coping .....	23.29	
Note: Including Replacement Of Damaged Material		
04 01 20 51-0003 LF Up To 1/4" Wide, Water Activated Polyurethane Foam Grout, Non-Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (SealBoss 1570) .....	43.36	
For Cracks Accessible From Both Sides, Add	8.78	
04 01 20 51-0004 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Structural Crack Repair For Masonry, Installed With Automated Injection Equipment (Sikadur® 52) .....	39.11	
For Cracks Accessible From Both Sides, Add	8.78	
04 01 20 51-0005 LF Up To 1/4" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied Trowel (Sikadur® 52) .....	11.00	
For V-Grooving Crack With Grinder, Add	8.12	
04 01 20 51-0006 LF >1/4" To 1/2" Wide, Moisture Tolerant, Low Viscosity, High Strength Epoxy Resin, Gravity Fed Structural Crack Repair For Masonry, Surface Applied With Trowel (Sikadur® 52) .....	14.61	
For V-Grooving Crack With Grinder, Add	7.71	
<b>04 01 20 51-0007 Grind Unit Masonry (04 01 20 51)</b>		
04 01 20 51-0008 SF Grind Smooth Masonry Wall .....	4.82	
<b>04 01 20 52 Unit Masonry Cleaning (04 01 20)</b>		
See CSI section 09 01 90 52-0002 for cleaning of unit masonry surfaces.		
<b>04 01 20 91 Unit Masonry Restoration (04 01 20)</b>		
See CSI section 03 01 30 71-0053 for crack repair.		
<b>04 01 20 91-0001 Cut And Repoint Masonry (04 01 20 91)</b>		
Note: Remove existing mortar to 3/4" depth. Repoint with pointing mortar. Includes pointing mortar, cutting, rinsing and cleaning joint.		
04 01 20 91-0002 SF Cut And Repoint, Hard Mortar, Running Bond, Brick .....	13.35	
For Common Or American Bond, Add	0.51	
For Flemish Bond, Add	1.78	
For English Bond, Add	2.93	
For >250 To 1,000, Deduct	-0.64	
For >1,000, Deduct	-1.30	
04 01 20 91-0003 SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Brick .....	9.24	
For Common Or American Bond, Add	0.35	
For Flemish Bond, Add	1.21	
For English Bond, Add	1.98	
For >250 To 1,000, Deduct	-0.43	
For >1,000, Deduct	-0.89	
04 01 20 91-0004 SF Cut And Repoint, Hard Mortar, Running Bond, Concrete Block .....	6.56	
For Common Or American Bond, Add	0.24	
For >250 To 1,000, Deduct	-0.30	
For >1,000, Deduct	-0.63	
04 01 20 91-0005 SF Cut And Repoint, Soft, Loose Or Crumbling Mortar, Running Bond, Concrete Block .....	4.66	
For Common Or American Bond, Add	0.16	
For >250 To 1,000, Deduct	-0.20	
For >1,000, Deduct	-0.44	
04 01 20 91-0006 LF Cut And Repoint Brick/Block, Irregular Shapes And Other Than Complete SF Area .....	3.81	

<b>04</b>	<b>Masonry</b>
<b>04 01</b>	<b>Maintenance of Masonry</b>
<b>04 01 20</b>	<b>Maintenance of Unit Masonry</b>

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**04 01 50 Maintenance of Refractory Masonry** (04 01)

**04 01 50 52 Refractory Masonry Cleaning** (04 01 50)

**04 01 50 52-0001 Chimney Cleaning** (04 01 50 52)

04 01 50 52-0002	LF	Up To 2 SF Cross Section Chimney Cleaning .....	9.87
04 01 50 52-0003	LF	>2 To 4 SF Cross Section Chimney Cleaning.....	19.73
04 01 50 52-0004	LF	>4 SF Cross Section Chimney Cleaning.....	29.59

**04 05 Common Work Results for Masonry** (04)

**04 05 13 Masonry Mortaring** (04 05)

**04 05 13 26 Engineered Masonry Mortaring** (04 05 13)

Note: Mortar, sand and standard supplements are included in the cost of brick, block, stone, simulated or synthetic masonry units.

**04 05 13 26-0001 Portland Cement** (04 05 13 26)

04 05 13 26-0002	CF	Normal Portland Cement (Type I) .....	12.42
04 05 13 26-0003	CF	Modified Portland Cement (Type II) .....	6.19
04 05 13 26-0004	CF	High Early Strength Portland Cement (Type III).....	6.57
04 05 13 26-0005	CF	White Non-Staining Portland Cement (Type I).....	13.76

**04 05 16 Masonry Grouting** (04 05)

**04 05 16 26 Engineered Masonry Grouting** (04 05 16)

Note: Excludes reinforcement.

**04 05 16 26-0001 Grout Bond Beams And Lintels, Grout Fill** (04 05 16 26)

Note: Excludes block.

04 05 16 26-0002	LF	Grout Bond Beams And Lintels - 6" Block, Grout Fill Only, 0.1125 CF/LF, 8" Deep .....	5.28
04 05 16 26-0003	LF	Grout Bond Beams And Lintels - 8" Block, Grout Fill Only, 0.20 CF/LF, 8" Deep .....	5.72
04 05 16 26-0004	LF	Grout Bond Beams And Lintels - 10" Block, Grout Fill Only, 0.25 CF/LF, 8" Deep .....	6.33
04 05 16 26-0005	LF	Grout Bond Beams And Lintels, 12" Block, Grout Fill Only, 0.30 CF/LF, 8" Deep .....	7.02

**04 05 16 26-0006 Grout Concrete Block Cores, Grout Fill** (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0007	SF	Grout Concrete Block Cores- 4" Block, Grout Fill Block Solid (0.067 CF/SF) .....	4.28
04 05 16 26-0008	SF	Grout Concrete Block Cores- 6" Block, Grout Fill Block Solid (0.175 CF/SF) .....	6.03
04 05 16 26-0009	SF	Grout Concrete Block Cores- 8" Block, Grout Fill Block Solid (0.258 CF/SF) .....	8.59
04 05 16 26-0010	SF	Grout Concrete Block Cores- 10" Block, Grout Fill Block Solid (0.34 CF/SF) .....	10.49
04 05 16 26-0011	SF	Grout Concrete Block Cores- 12" Block, Grout Fill Block Solid (0.422 CF/SF) .....	12.34

**04 05 16 26-0012 Grout Cavity Walls, Grout Fill** (04 05 16 26)

Note: Per SF of face area filled.

04 05 16 26-0013	SF	Grout Cavity Walls - 2" Space, Grout Fill (0.167 CF/SF) .....	4.82
04 05 16 26-0014	SF	Grout Cavity Walls - 3" Space, Grout Fill (0.250 CF/SF) .....	6.76
04 05 16 26-0015	SF	Grout Cavity Walls - 4" Space, Grout Fill (0.333 CF/SF) .....	8.46
04 05 16 26-0016	SF	Grout Cavity Walls - 6" Space, Grout Fill (0.500 CF/SF) .....	11.35

**04 05 16 26-0017 Grout Frames, Grout Fill** (04 05 16 26)

04 05 16 26-0018	LF	Grout Door Frames - Grout Fill .....	7.40
04 05 16 26-0019	LF	Grout Window Frames - Grout Fill .....	6.29

**04 05 16 26-0020 Sand Filled Walls** (04 05 16 26)

**04 05 16 26-0021 Sand Fill Cavity Walls, Sand Fill** (04 05 16 26-0020)

Note: Per SF of face area filled.

04 05 16 26-0022	SF	Sand Fill Cavity Walls - 2" Space, Sand Fill (0.167 CF/SF) .....	4.24
04 05 16 26-0023	SF	Sand Fill Cavity Walls - 3" Space, Sand Fill (0.250 CF/SF) .....	5.83
04 05 16 26-0024	SF	Sand Fill Cavity Walls - 4" Space, Sand Fill (0.333 CF/SF) .....	7.17
04 05 16 26-0025	SF	Sand Fill Cavity Walls - 6" Space, Sand Fill (0.500 CF/SF) .....	9.51

**04 05 19 Masonry Anchorage and Reinforcing** (04 05)

**04 05 19 13 Continuous Joint Reinforcing** (04 05 19)

Note: Includes cutting and bending.

04 05 19 13-0001		Continuous Joint Reinforcing (04 05 19 13)
04 05 19 13-0002		Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0001)
04 05 19 13-0003		Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0002)
04 05 19 13-0004		Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement (04 05 19 13-0003)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0005	CLF	#4	(For 4" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	75.05	
			<i>For Hot-Dipped Galvanized, Add</i>	10.91	
			<i>For Stainless Steel, Add</i>	43.64	
04 05 19 13-0006	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	79.79	
			<i>For Hot-Dipped Galvanized, Add</i>	11.46	
			<i>For Stainless Steel, Add</i>	45.84	
04 05 19 13-0007	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	86.20	
			<i>For Hot-Dipped Galvanized, Add</i>	12.08	
			<i>For Stainless Steel, Add</i>	48.32	
04 05 19 13-0008	CLF	#10	(For 10" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	93.81	
			<i>For Hot-Dipped Galvanized, Add</i>	12.78	
			<i>For Stainless Steel, Add</i>	51.12	
04 05 19 13-0009	CLF	#12	(For 12" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.76	
			<i>For Hot-Dipped Galvanized, Add</i>	13.47	
			<i>For Stainless Steel, Add</i>	53.86	
04 05 19 13-0010	CLF	#13	(For 13" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	109.49	
			<i>For Hot-Dipped Galvanized, Add</i>	13.80	
			<i>For Stainless Steel, Add</i>	55.20	
04 05 19 13-0011	CLF	#14	(For 14" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.35	
			<i>For Hot-Dipped Galvanized, Add</i>	14.19	
			<i>For Stainless Steel, Add</i>	56.74	
04 05 19 13-0012	CLF	#16	(For 16" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.45	
			<i>For Hot-Dipped Galvanized, Add</i>	19.50	
			<i>For Stainless Steel, Add</i>	78.00	
04 05 19 13-0013	CLF	#18	(For 18" Walls), Mill Galvanized, Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	157.19	
			<i>For Hot-Dipped Galvanized, Add</i>	30.14	
			<i>For Stainless Steel, Add</i>	120.56	
<b>04 05 19 13-0014</b>			<b>Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0015	CLF	#4	(For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	87.15	
			<i>For Hot-Dipped Galvanized, Add</i>	16.96	
			<i>For Stainless Steel, Add</i>	67.84	
04 05 19 13-0016	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	92.02	
			<i>For Hot-Dipped Galvanized, Add</i>	17.58	
			<i>For Stainless Steel, Add</i>	70.30	
04 05 19 13-0017	CLF	#8	(For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.56	
			<i>For Hot-Dipped Galvanized, Add</i>	18.26	
			<i>For Stainless Steel, Add</i>	73.04	
04 05 19 13-0018	CLF	#10	(For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	106.04	
			<i>For Hot-Dipped Galvanized, Add</i>	18.90	
			<i>For Stainless Steel, Add</i>	75.58	
04 05 19 13-0019	CLF	#12	(For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.96	
			<i>For Hot-Dipped Galvanized, Add</i>	19.57	
			<i>For Stainless Steel, Add</i>	78.26	
04 05 19 13-0020	CLF	#13	(For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.74	
			<i>For Hot-Dipped Galvanized, Add</i>	19.94	
			<i>For Stainless Steel, Add</i>	79.74	
04 05 19 13-0021	CLF	#14	(For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.53	
			<i>For Hot-Dipped Galvanized, Add</i>	20.27	
			<i>For Stainless Steel, Add</i>	81.06	
04 05 19 13-0022	CLF	#16	(For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	146.52	
			<i>For Hot-Dipped Galvanized, Add</i>	27.54	
			<i>For Stainless Steel, Add</i>	110.16	
04 05 19 13-0023	CLF	#18	(For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	184.77	
			<i>For Hot-Dipped Galvanized, Add</i>	43.94	
			<i>For Stainless Steel, Add</i>	175.76	
<b>04 05 19 13-0024</b>			<b>Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0025	CLF	#4	(For 4" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	98.88	
			<i>For Hot-Dipped Galvanized, Add</i>	22.83	
			<i>For Stainless Steel, Add</i>	91.30	
04 05 19 13-0026	CLF	#6	(For 6" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	105.47	
			<i>For Hot-Dipped Galvanized, Add</i>	24.08	
			<i>For Stainless Steel, Add</i>	96.30	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0027	CLF #8 (For 8" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	112.08	
	<i>For Hot-Dipped Galvanized, Add</i>	25.33	
	<i>For Stainless Steel, Add</i>	101.32	
04 05 19 13-0028	CLF #10 (For 10" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.92	
	<i>For Hot-Dipped Galvanized, Add</i>	26.84	
	<i>For Stainless Steel, Add</i>	107.34	
04 05 19 13-0029	CLF #12 (For 12" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	131.71	
	<i>For Hot-Dipped Galvanized, Add</i>	28.32	
	<i>For Stainless Steel, Add</i>	113.28	
04 05 19 13-0030	CLF #13 (For 13" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	140.14	
	<i>For Hot-Dipped Galvanized, Add</i>	29.12	
	<i>For Stainless Steel, Add</i>	116.48	
04 05 19 13-0031	CLF #14 (For 14" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	144.92	
	<i>For Hot-Dipped Galvanized, Add</i>	29.81	
	<i>For Stainless Steel, Add</i>	119.22	
04 05 19 13-0032	CLF #16 (For 16" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	153.80	
	<i>For Hot-Dipped Galvanized, Add</i>	31.18	
	<i>For Stainless Steel, Add</i>	124.70	
04 05 19 13-0033	CLF #18 (For 18" Walls), Mill Galvanized, Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	200.50	
	<i>For Hot-Dipped Galvanized, Add</i>	51.80	
	<i>For Stainless Steel, Add</i>	207.18	
<b>04 05 19 13-0034</b>	<b>Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b>		
	<small>(04 05 19 13-0003)</small>		
04 05 19 13-0035	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	102.91	
	<i>For Hot-Dipped Galvanized, Add</i>	24.84	
	<i>For Stainless Steel, Add</i>	99.36	
04 05 19 13-0036	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	107.64	
	<i>For Hot-Dipped Galvanized, Add</i>	25.38	
	<i>For Stainless Steel, Add</i>	101.52	
04 05 19 13-0037	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	114.04	
	<i>For Hot-Dipped Galvanized, Add</i>	26.00	
	<i>For Stainless Steel, Add</i>	104.00	
04 05 19 13-0038	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	121.65	
	<i>For Hot-Dipped Galvanized, Add</i>	26.70	
	<i>For Stainless Steel, Add</i>	106.80	
04 05 19 13-0039	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.61	
	<i>For Hot-Dipped Galvanized, Add</i>	27.39	
	<i>For Stainless Steel, Add</i>	109.54	
04 05 19 13-0040	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	137.34	
	<i>For Hot-Dipped Galvanized, Add</i>	27.72	
	<i>For Stainless Steel, Add</i>	110.88	
04 05 19 13-0041	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.18	
	<i>For Hot-Dipped Galvanized, Add</i>	28.10	
	<i>For Stainless Steel, Add</i>	112.40	
04 05 19 13-0042	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	158.28	
	<i>For Hot-Dipped Galvanized, Add</i>	33.42	
	<i>For Stainless Steel, Add</i>	133.66	
<b>04 05 19 13-0043</b>	<b>Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b>		
	<small>(04 05 19 13-0003)</small>		
04 05 19 13-0044	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	115.00	
	<i>For Hot-Dipped Galvanized, Add</i>	30.89	
	<i>For Stainless Steel, Add</i>	123.54	
04 05 19 13-0045	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	119.89	
	<i>For Hot-Dipped Galvanized, Add</i>	31.51	
	<i>For Stainless Steel, Add</i>	126.02	
04 05 19 13-0046	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.42	
	<i>For Hot-Dipped Galvanized, Add</i>	32.19	
	<i>For Stainless Steel, Add</i>	128.76	
04 05 19 13-0047	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.91	
	<i>For Hot-Dipped Galvanized, Add</i>	32.83	
	<i>For Stainless Steel, Add</i>	131.32	
04 05 19 13-0048	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	142.83	
	<i>For Hot-Dipped Galvanized, Add</i>	33.50	
	<i>For Stainless Steel, Add</i>	133.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0049	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.59	
			<i>For Hot-Dipped Galvanized, Add</i>	33.86	
			<i>For Stainless Steel, Add</i>	135.44	
04 05 19 13-0050	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	154.38	
			<i>For Hot-Dipped Galvanized, Add</i>	34.20	
			<i>For Stainless Steel, Add</i>	136.78	
04 05 19 13-0051	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	174.38	
			<i>For Hot-Dipped Galvanized, Add</i>	41.47	
			<i>For Stainless Steel, Add</i>	165.88	
04 05 19 13-0052	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	212.64	
			<i>For Hot-Dipped Galvanized, Add</i>	57.88	
			<i>For Stainless Steel, Add</i>	231.50	
<b>04 05 19 13-0053</b>			<b>Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0054	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	126.71	
			<i>For Hot-Dipped Galvanized, Add</i>	36.74	
			<i>For Stainless Steel, Add</i>	146.96	
04 05 19 13-0055	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	133.32	
			<i>For Hot-Dipped Galvanized, Add</i>	38.00	
			<i>For Stainless Steel, Add</i>	152.00	
04 05 19 13-0056	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	139.93	
			<i>For Hot-Dipped Galvanized, Add</i>	39.26	
			<i>For Stainless Steel, Add</i>	157.02	
04 05 19 13-0057	CLF	#10	(For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.75	
			<i>For Hot-Dipped Galvanized, Add</i>	40.75	
			<i>For Stainless Steel, Add</i>	163.00	
04 05 19 13-0058	CLF	#12	(For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	159.57	
			<i>For Hot-Dipped Galvanized, Add</i>	42.25	
			<i>For Stainless Steel, Add</i>	169.00	
04 05 19 13-0059	CLF	#13	(For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	167.99	
			<i>For Hot-Dipped Galvanized, Add</i>	43.05	
			<i>For Stainless Steel, Add</i>	172.18	
04 05 19 13-0060	CLF	#14	(For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	172.77	
			<i>For Hot-Dipped Galvanized, Add</i>	43.73	
			<i>For Stainless Steel, Add</i>	174.92	
04 05 19 13-0061	CLF	#16	(For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	181.64	
			<i>For Hot-Dipped Galvanized, Add</i>	45.10	
			<i>For Stainless Steel, Add</i>	180.38	
04 05 19 13-0062	CLF	#18	(For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement	228.35	
			<i>For Hot-Dipped Galvanized, Add</i>	65.72	
			<i>For Stainless Steel, Add</i>	262.88	
<b>04 05 19 13-0063</b>			<b>Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>		
04 05 19 13-0064	CLF	#4	(For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	130.76	
			<i>For Hot-Dipped Galvanized, Add</i>	38.77	
			<i>For Stainless Steel, Add</i>	155.06	
04 05 19 13-0065	CLF	#6	(For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	135.49	
			<i>For Hot-Dipped Galvanized, Add</i>	39.31	
			<i>For Stainless Steel, Add</i>	157.22	
04 05 19 13-0066	CLF	#8	(For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	141.89	
			<i>For Hot-Dipped Galvanized, Add</i>	39.93	
			<i>For Stainless Steel, Add</i>	159.70	
04 05 19 13-0067	CLF	#10	(For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	149.50	
			<i>For Hot-Dipped Galvanized, Add</i>	40.63	
			<i>For Stainless Steel, Add</i>	162.50	
04 05 19 13-0068	CLF	#12	(For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	158.46	
			<i>For Hot-Dipped Galvanized, Add</i>	41.31	
			<i>For Stainless Steel, Add</i>	165.24	
04 05 19 13-0069	CLF	#13	(For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	165.19	
			<i>For Hot-Dipped Galvanized, Add</i>	41.65	
			<i>For Stainless Steel, Add</i>	166.58	
04 05 19 13-0070	CLF	#14	(For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement	170.03	
			<i>For Hot-Dipped Galvanized, Add</i>	42.03	
			<i>For Stainless Steel, Add</i>	168.10	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0071	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	186.13
	<i>For Hot-Dipped Galvanized, Add</i> .....	47.34
	<i>For Stainless Steel, Add</i> .....	189.36
04 05 19 13-0072	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	212.87
	<i>For Hot-Dipped Galvanized, Add</i> .....	57.99
	<i>For Stainless Steel, Add</i> .....	231.94
<b>04 05 19 13-0073</b>	<b>Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>	
04 05 19 13-0074	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	142.85
	<i>For Hot-Dipped Galvanized, Add</i> .....	44.81
	<i>For Stainless Steel, Add</i> .....	179.24
04 05 19 13-0075	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	147.74
	<i>For Hot-Dipped Galvanized, Add</i> .....	45.43
	<i>For Stainless Steel, Add</i> .....	181.72
04 05 19 13-0076	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	154.27
	<i>For Hot-Dipped Galvanized, Add</i> .....	46.12
	<i>For Stainless Steel, Add</i> .....	184.46
04 05 19 13-0077	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, Four-Wire, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	161.75
	<i>For Hot-Dipped Galvanized, Add</i> .....	46.75
	<i>For Stainless Steel, Add</i> .....	187.00
04 05 19 13-0078	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	170.68
	<i>For Hot-Dipped Galvanized, Add</i> .....	47.42
	<i>For Stainless Steel, Add</i> .....	189.68
04 05 19 13-0079	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	177.44
	<i>For Hot-Dipped Galvanized, Add</i> .....	47.79
	<i>For Stainless Steel, Add</i> .....	191.14
04 05 19 13-0080	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	182.23
	<i>For Hot-Dipped Galvanized, Add</i> .....	48.12
	<i>For Stainless Steel, Add</i> .....	192.48
04 05 19 13-0081	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	202.22
	<i>For Hot-Dipped Galvanized, Add</i> .....	55.39
	<i>For Stainless Steel, Add</i> .....	221.56
04 05 19 13-0082	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	240.48
	<i>For Hot-Dipped Galvanized, Add</i> .....	71.80
	<i>For Stainless Steel, Add</i> .....	287.18
<b>04 05 19 13-0083</b>	<b>Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0003)</small>	
04 05 19 13-0084	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	154.56
	<i>For Hot-Dipped Galvanized, Add</i> .....	50.67
	<i>For Stainless Steel, Add</i> .....	202.66
04 05 19 13-0085	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	161.16
	<i>For Hot-Dipped Galvanized, Add</i> .....	51.92
	<i>For Stainless Steel, Add</i> .....	207.68
04 05 19 13-0086	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	167.78
	<i>For Hot-Dipped Galvanized, Add</i> .....	53.18
	<i>For Stainless Steel, Add</i> .....	212.72
04 05 19 13-0087	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	177.60
	<i>For Hot-Dipped Galvanized, Add</i> .....	54.68
	<i>For Stainless Steel, Add</i> .....	218.70
04 05 19 13-0088	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	187.41
	<i>For Hot-Dipped Galvanized, Add</i> .....	56.17
	<i>For Stainless Steel, Add</i> .....	224.68
04 05 19 13-0089	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	195.83
	<i>For Hot-Dipped Galvanized, Add</i> .....	56.97
	<i>For Stainless Steel, Add</i> .....	227.86
04 05 19 13-0090	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	200.61
	<i>For Hot-Dipped Galvanized, Add</i> .....	57.65
	<i>For Stainless Steel, Add</i> .....	230.60
04 05 19 13-0091	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	209.49
	<i>For Hot-Dipped Galvanized, Add</i> .....	59.02
	<i>For Stainless Steel, Add</i> .....	236.08
04 05 19 13-0092	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type, Masonry Wall Reinforcement.....	256.19
	<i>For Hot-Dipped Galvanized, Add</i> .....	79.64
	<i>For Stainless Steel, Add</i> .....	318.56



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0093	Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>		
04 05 19 13-0094	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0095	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	106.19	
	<i>For Hot-Dipped Galvanized, Add</i> .....	18.55	
	<i>For Stainless Steel, Add</i> .....	74.18	
04 05 19 13-0096	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	117.27	
	<i>For Hot-Dipped Galvanized, Add</i> .....	20.25	
	<i>For Stainless Steel, Add</i> .....	81.00	
04 05 19 13-0097	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	127.96	
	<i>For Hot-Dipped Galvanized, Add</i> .....	21.76	
	<i>For Stainless Steel, Add</i> .....	87.02	
04 05 19 13-0098	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	137.38	
	<i>For Hot-Dipped Galvanized, Add</i> .....	22.63	
	<i>For Stainless Steel, Add</i> .....	90.50	
04 05 19 13-0099	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	142.82	
	<i>For Hot-Dipped Galvanized, Add</i> .....	23.43	
	<i>For Stainless Steel, Add</i> .....	93.70	
04 05 19 13-0100	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	153.32	
	<i>For Hot-Dipped Galvanized, Add</i> .....	25.22	
	<i>For Stainless Steel, Add</i> .....	100.86	
04 05 19 13-0101	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	162.40	
	<i>For Hot-Dipped Galvanized, Add</i> .....	26.69	
	<i>For Stainless Steel, Add</i> .....	106.74	
04 05 19 13-0102	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0103	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	121.26	
	<i>For Hot-Dipped Galvanized, Add</i> .....	26.08	
	<i>For Stainless Steel, Add</i> .....	104.32	
04 05 19 13-0104	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	132.37	
	<i>For Hot-Dipped Galvanized, Add</i> .....	27.80	
	<i>For Stainless Steel, Add</i> .....	111.20	
04 05 19 13-0105	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	142.89	
	<i>For Hot-Dipped Galvanized, Add</i> .....	29.22	
	<i>For Stainless Steel, Add</i> .....	116.88	
04 05 19 13-0106	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	152.48	
	<i>For Hot-Dipped Galvanized, Add</i> .....	30.18	
	<i>For Stainless Steel, Add</i> .....	120.70	
04 05 19 13-0107	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	157.89	
	<i>For Hot-Dipped Galvanized, Add</i> .....	30.96	
	<i>For Stainless Steel, Add</i> .....	123.84	
04 05 19 13-0108	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	168.39	
	<i>For Hot-Dipped Galvanized, Add</i> .....	32.75	
	<i>For Stainless Steel, Add</i> .....	131.00	
04 05 19 13-0109	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	177.67	
	<i>For Hot-Dipped Galvanized, Add</i> .....	34.32	
	<i>For Stainless Steel, Add</i> .....	137.28	
04 05 19 13-0110	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement <small>(04 05 19 13-0093)</small>		
04 05 19 13-0111	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	128.58	
	<i>For Hot-Dipped Galvanized, Add</i> .....	29.74	
	<i>For Stainless Steel, Add</i> .....	118.96	
04 05 19 13-0112	CLF #10 (For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	141.43	
	<i>For Hot-Dipped Galvanized, Add</i> .....	32.33	
	<i>For Stainless Steel, Add</i> .....	129.32	
04 05 19 13-0113	CLF #12 (For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement.....	154.19	
	<i>For Hot-Dipped Galvanized, Add</i> .....	34.87	
	<i>For Stainless Steel, Add</i> .....	139.48	
04 05 19 13-0114	CLF #13 (For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	164.58	
	<i>For Hot-Dipped Galvanized, Add</i> .....	36.23	
	<i>For Stainless Steel, Add</i> .....	144.90	
04 05 19 13-0115	CLF #14 (For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement .....	170.89	
	<i>For Hot-Dipped Galvanized, Add</i> .....	37.46	
	<i>For Stainless Steel, Add</i> .....	149.84	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0116	CLF #16 (For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	183.09
	<i>For Hot-Dipped Galvanized, Add</i>	40.10
	<i>For Stainless Steel, Add</i>	160.40
04 05 19 13-0117	CLF #18 (For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Tabs, Masonry Wall Reinforcement	194.41
	<i>For Hot-Dipped Galvanized, Add</i>	42.69
	<i>For Stainless Steel, Add</i>	170.76
04 05 19 13-0118	Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>	
04 05 19 13-0119	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>	
04 05 19 13-0120	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	146.76
	<i>For Hot-Dipped Galvanized, Add</i>	38.83
	<i>For Stainless Steel, Add</i>	155.32
04 05 19 13-0121	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	156.80
	<i>For Hot-Dipped Galvanized, Add</i>	40.02
	<i>For Stainless Steel, Add</i>	160.06
04 05 19 13-0122	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	166.89
	<i>For Hot-Dipped Galvanized, Add</i>	41.22
	<i>For Stainless Steel, Add</i>	164.88
04 05 19 13-0123	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	181.08
	<i>For Hot-Dipped Galvanized, Add</i>	42.56
	<i>For Stainless Steel, Add</i>	170.22
04 05 19 13-0124	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	190.67
	<i>For Hot-Dipped Galvanized, Add</i>	43.89
	<i>For Stainless Steel, Add</i>	175.56
04 05 19 13-0125	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	200.89
	<i>For Hot-Dipped Galvanized, Add</i>	45.93
	<i>For Stainless Steel, Add</i>	183.72
04 05 19 13-0126	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>	
04 05 19 13-0127	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	170.38
	<i>For Hot-Dipped Galvanized, Add</i>	50.64
	<i>For Stainless Steel, Add</i>	202.56
04 05 19 13-0128	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	180.46
	<i>For Hot-Dipped Galvanized, Add</i>	51.85
	<i>For Stainless Steel, Add</i>	207.38
04 05 19 13-0129	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	190.85
	<i>For Hot-Dipped Galvanized, Add</i>	53.20
	<i>For Stainless Steel, Add</i>	212.80
04 05 19 13-0130	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	204.74
	<i>For Hot-Dipped Galvanized, Add</i>	54.39
	<i>For Stainless Steel, Add</i>	217.54
04 05 19 13-0131	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	214.37
	<i>For Hot-Dipped Galvanized, Add</i>	55.74
	<i>For Stainless Steel, Add</i>	222.96
04 05 19 13-0132	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	223.21
	<i>For Hot-Dipped Galvanized, Add</i>	57.09
	<i>For Stainless Steel, Add</i>	228.36
04 05 19 13-0133	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0118)</small>	
04 05 19 13-0134	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	172.12
	<i>For Hot-Dipped Galvanized, Add</i>	51.51
	<i>For Stainless Steel, Add</i>	206.04
04 05 19 13-0135	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.50
	<i>For Hot-Dipped Galvanized, Add</i>	53.37
	<i>For Stainless Steel, Add</i>	213.46
04 05 19 13-0136	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	194.86
	<i>For Hot-Dipped Galvanized, Add</i>	55.21
	<i>For Stainless Steel, Add</i>	220.82
04 05 19 13-0137	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	210.82
	<i>For Hot-Dipped Galvanized, Add</i>	57.43
	<i>For Stainless Steel, Add</i>	229.70

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0138 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	222.15	
<i>For Hot-Dipped Galvanized, Add</i>	59.63	
<i>For Stainless Steel, Add</i>	238.52	
04 05 19 13-0139 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement .....	232.67	
<i>For Hot-Dipped Galvanized, Add</i>	61.82	
<i>For Stainless Steel, Add</i>	247.28	
<b>04 05 19 13-0140 Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0141 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0142 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	158.84	
<i>For Hot-Dipped Galvanized, Add</i>	41.04	
<i>For Stainless Steel, Add</i>	164.14	
04 05 19 13-0143 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	168.86	
<i>For Hot-Dipped Galvanized, Add</i>	42.21	
<i>For Stainless Steel, Add</i>	168.82	
04 05 19 13-0144 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	182.72	
<i>For Hot-Dipped Galvanized, Add</i>	43.38	
<i>For Stainless Steel, Add</i>	173.50	
04 05 19 13-0145 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	192.41	
<i>For Hot-Dipped Galvanized, Add</i>	44.76	
<i>For Stainless Steel, Add</i>	179.04	
04 05 19 13-0146 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	201.23	
<i>For Hot-Dipped Galvanized, Add</i>	46.10	
<i>For Stainless Steel, Add</i>	184.40	
04 05 19 13-0147 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	210.87	
<i>For Hot-Dipped Galvanized, Add</i>	48.79	
<i>For Stainless Steel, Add</i>	195.16	
<b>04 05 19 13-0148 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0149 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	182.50	
<i>For Hot-Dipped Galvanized, Add</i>	52.87	
<i>For Stainless Steel, Add</i>	211.46	
04 05 19 13-0150 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	192.55	
<i>For Hot-Dipped Galvanized, Add</i>	54.05	
<i>For Stainless Steel, Add</i>	216.20	
04 05 19 13-0151 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	206.74	
<i>For Hot-Dipped Galvanized, Add</i>	55.39	
<i>For Stainless Steel, Add</i>	221.54	
04 05 19 13-0152 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	216.04	
<i>For Hot-Dipped Galvanized, Add</i>	56.58	
<i>For Stainless Steel, Add</i>	226.30	
04 05 19 13-0153 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	224.88	
<i>For Hot-Dipped Galvanized, Add</i>	57.93	
<i>For Stainless Steel, Add</i>	231.70	
04 05 19 13-0154 CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	234.82	
<i>For Hot-Dipped Galvanized, Add</i>	60.77	
<i>For Stainless Steel, Add</i>	243.06	
<b>04 05 19 13-0155 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0140)</small>		
04 05 19 13-0156 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	184.17	
<i>For Hot-Dipped Galvanized, Add</i>	53.70	
<i>For Stainless Steel, Add</i>	214.80	
04 05 19 13-0157 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	195.56	
<i>For Hot-Dipped Galvanized, Add</i>	55.56	
<i>For Stainless Steel, Add</i>	222.22	
04 05 19 13-0158 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	210.82	
<i>For Hot-Dipped Galvanized, Add</i>	57.43	
<i>For Stainless Steel, Add</i>	229.70	
04 05 19 13-0159 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement .....	222.15	
<i>For Hot-Dipped Galvanized, Add</i>	59.63	
<i>For Stainless Steel, Add</i>	238.52	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0160	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	232.67
	<i>For Hot-Dipped Galvanized, Add</i>	61.82
	<i>For Stainless Steel, Add</i>	247.28
04 05 19 13-0161	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	243.21
	<i>For Hot-Dipped Galvanized, Add</i>	64.96
	<i>For Stainless Steel, Add</i>	259.84
04 05 19 13-0162	Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0002)</small>	
04 05 19 13-0163	9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>	
04 05 19 13-0164	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	151.05
	<i>For Hot-Dipped Galvanized, Add</i>	37.14
	<i>For Stainless Steel, Add</i>	148.56
	<i>For Seismic Hook And Eye, Add</i>	15.97
04 05 19 13-0165	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	160.67
	<i>For Hot-Dipped Galvanized, Add</i>	38.11
	<i>For Stainless Steel, Add</i>	152.44
	<i>For Seismic Hook And Eye, Add</i>	16.39
04 05 19 13-0166	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.26
	<i>For Hot-Dipped Galvanized, Add</i>	39.15
	<i>For Stainless Steel, Add</i>	156.58
	<i>For Seismic Hook And Eye, Add</i>	16.83
04 05 19 13-0167	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	183.39
	<i>For Hot-Dipped Galvanized, Add</i>	40.25
	<i>For Stainless Steel, Add</i>	161.00
	<i>For Seismic Hook And Eye, Add</i>	17.31
04 05 19 13-0168	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	191.84
	<i>For Hot-Dipped Galvanized, Add</i>	41.41
	<i>For Stainless Steel, Add</i>	165.62
	<i>For Seismic Hook And Eye, Add</i>	17.80
04 05 19 13-0169	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	198.17
	<i>For Hot-Dipped Galvanized, Add</i>	42.44
	<i>For Stainless Steel, Add</i>	169.76
	<i>For Seismic Hook And Eye, Add</i>	18.25
04 05 19 13-0170	3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>	
04 05 19 13-0171	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	173.24
	<i>For Hot-Dipped Galvanized, Add</i>	48.24
	<i>For Stainless Steel, Add</i>	192.94
	<i>For Seismic Hook And Eye, Add</i>	20.74
04 05 19 13-0172	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	182.43
	<i>For Hot-Dipped Galvanized, Add</i>	48.99
	<i>For Stainless Steel, Add</i>	195.96
	<i>For Seismic Hook And Eye, Add</i>	21.07
04 05 19 13-0173	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	196.09
	<i>For Hot-Dipped Galvanized, Add</i>	50.06
	<i>For Stainless Steel, Add</i>	200.24
	<i>For Seismic Hook And Eye, Add</i>	21.53
04 05 19 13-0174	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	205.08
	<i>For Hot-Dipped Galvanized, Add</i>	51.10
	<i>For Stainless Steel, Add</i>	204.38
	<i>For Seismic Hook And Eye, Add</i>	21.97
04 05 19 13-0175	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	213.29
	<i>For Hot-Dipped Galvanized, Add</i>	52.13
	<i>For Stainless Steel, Add</i>	208.52
	<i>For Seismic Hook And Eye, Add</i>	22.42
04 05 19 13-0176	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	222.03
	<i>For Hot-Dipped Galvanized, Add</i>	54.37
	<i>For Stainless Steel, Add</i>	217.48
	<i>For Seismic Hook And Eye, Add</i>	23.38
04 05 19 13-0177	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement <small>(04 05 19 13-0162)</small>	
04 05 19 13-0178	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	174.88
	<i>For Hot-Dipped Galvanized, Add</i>	49.06
	<i>For Stainless Steel, Add</i>	196.22
	<i>For Seismic Hook And Eye, Add</i>	21.09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0179 CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	186.10	
<i>For Hot-Dipped Galvanized, Add</i>	50.83	
<i>For Stainless Steel, Add</i>	203.30	
<i>For Seismic Hook And Eye, Add</i>	21.85	
04 05 19 13-0180 CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	201.13	
<i>For Hot-Dipped Galvanized, Add</i>	52.58	
<i>For Stainless Steel, Add</i>	210.32	
<i>For Seismic Hook And Eye, Add</i>	22.61	
04 05 19 13-0181 CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	212.26	
<i>For Hot-Dipped Galvanized, Add</i>	54.69	
<i>For Stainless Steel, Add</i>	218.74	
<i>For Seismic Hook And Eye, Add</i>	23.51	
04 05 19 13-0182 CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	222.61	
<i>For Hot-Dipped Galvanized, Add</i>	56.79	
<i>For Stainless Steel, Add</i>	227.16	
<i>For Seismic Hook And Eye, Add</i>	24.42	
04 05 19 13-0183 CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	231.05	
<i>For Hot-Dipped Galvanized, Add</i>	58.88	
<i>For Stainless Steel, Add</i>	235.52	
<i>For Seismic Hook And Eye, Add</i>	25.32	
<b>04 05 19 13-0184 Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0002)</small>		
<b>04 05 19 13-0185 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0186 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	163.15	
<i>For Hot-Dipped Galvanized, Add</i>	39.35	
<i>For Stainless Steel, Add</i>	157.40	
<i>For Seismic Hook And Eye, Add</i>	16.92	
04 05 19 13-0187 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	176.57	
<i>For Hot-Dipped Galvanized, Add</i>	40.30	
<i>For Stainless Steel, Add</i>	161.20	
<i>For Seismic Hook And Eye, Add</i>	17.33	
04 05 19 13-0188 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	185.39	
<i>For Hot-Dipped Galvanized, Add</i>	41.25	
<i>For Stainless Steel, Add</i>	165.00	
<i>For Seismic Hook And Eye, Add</i>	17.74	
04 05 19 13-0189 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	193.97	
<i>For Hot-Dipped Galvanized, Add</i>	42.47	
<i>For Stainless Steel, Add</i>	169.88	
<i>For Seismic Hook And Eye, Add</i>	18.26	
04 05 19 13-0190 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	200.44	
<i>For Hot-Dipped Galvanized, Add</i>	43.58	
<i>For Stainless Steel, Add</i>	174.30	
<i>For Seismic Hook And Eye, Add</i>	18.74	
<b>04 05 19 13-0191 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0184)</small>		
04 05 19 13-0192 CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	184.53	
<i>For Hot-Dipped Galvanized, Add</i>	50.04	
<i>For Stainless Steel, Add</i>	200.16	
<i>For Seismic Hook And Eye, Add</i>	21.52	
04 05 19 13-0193 CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	198.12	
<i>For Hot-Dipped Galvanized, Add</i>	51.08	
<i>For Stainless Steel, Add</i>	204.30	
<i>For Seismic Hook And Eye, Add</i>	21.96	
04 05 19 13-0194 CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	207.25	
<i>For Hot-Dipped Galvanized, Add</i>	52.18	
<i>For Stainless Steel, Add</i>	208.72	
<i>For Seismic Hook And Eye, Add</i>	22.44	
04 05 19 13-0195 CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	215.16	
<i>For Hot-Dipped Galvanized, Add</i>	53.07	
<i>For Stainless Steel, Add</i>	212.26	
<i>For Seismic Hook And Eye, Add</i>	22.82	
04 05 19 13-0196 CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	221.83	
<i>For Hot-Dipped Galvanized, Add</i>	54.27	
<i>For Stainless Steel, Add</i>	217.08	
<i>For Seismic Hook And Eye, Add</i>	23.34	



**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0197	3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement (04 05 19 13-0184)	
04 05 19 13-0198	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	186.74
	<i>For Hot-Dipped Galvanized, Add</i>	51.15
	<i>For Stainless Steel, Add</i>	204.58
	<i>For Seismic Hook And Eye, Add</i>	21.99
04 05 19 13-0199	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	201.80
	<i>For Hot-Dipped Galvanized, Add</i>	52.92
	<i>For Stainless Steel, Add</i>	211.66
	<i>For Seismic Hook And Eye, Add</i>	22.75
04 05 19 13-0200	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	212.26
	<i>For Hot-Dipped Galvanized, Add</i>	54.69
	<i>For Stainless Steel, Add</i>	218.74
	<i>For Seismic Hook And Eye, Add</i>	23.51
04 05 19 13-0201	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	222.61
	<i>For Hot-Dipped Galvanized, Add</i>	56.79
	<i>For Stainless Steel, Add</i>	227.16
	<i>For Seismic Hook And Eye, Add</i>	24.42
04 05 19 13-0202	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Ladder-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	231.05
	<i>For Hot-Dipped Galvanized, Add</i>	58.88
	<i>For Stainless Steel, Add</i>	235.52
	<i>For Seismic Hook And Eye, Add</i>	25.32
04 05 19 13-0203	Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0001)	
04 05 19 13-0204	Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0203)	
04 05 19 13-0205	Two-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)	
04 05 19 13-0206	CLF #4 (For 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	84.17
	<i>For Hot-Dipped Galvanized, Add</i>	15.47
	<i>For Stainless Steel, Add</i>	61.88
04 05 19 13-0207	CLF #6 (For 6" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	88.15
	<i>For Hot-Dipped Galvanized, Add</i>	15.64
	<i>For Stainless Steel, Add</i>	62.56
04 05 19 13-0208	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	94.55
	<i>For Hot-Dipped Galvanized, Add</i>	16.26
	<i>For Stainless Steel, Add</i>	65.02
04 05 19 13-0209	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	102.37
	<i>For Hot-Dipped Galvanized, Add</i>	17.06
	<i>For Stainless Steel, Add</i>	68.24
04 05 19 13-0210	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	111.75
	<i>For Hot-Dipped Galvanized, Add</i>	17.96
	<i>For Stainless Steel, Add</i>	71.84
04 05 19 13-0211	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	118.78
	<i>For Hot-Dipped Galvanized, Add</i>	18.45
	<i>For Stainless Steel, Add</i>	73.78
04 05 19 13-0212	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	123.61
	<i>For Hot-Dipped Galvanized, Add</i>	19.15
	<i>For Stainless Steel, Add</i>	76.60
04 05 19 13-0213	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	145.24
	<i>For Hot-Dipped Galvanized, Add</i>	26.90
	<i>For Stainless Steel, Add</i>	107.60
04 05 19 13-0214	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	153.76
	<i>For Hot-Dipped Galvanized, Add</i>	28.44
	<i>For Stainless Steel, Add</i>	113.74
04 05 19 13-0215	CLF #20 (For 20" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	202.11
	<i>For Hot-Dipped Galvanized, Add</i>	49.19
	<i>For Stainless Steel, Add</i>	196.76
04 05 19 13-0216	Two-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement (04 05 19 13-0204)	
04 05 19 13-0217	CLF #4 (For 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	96.14
	<i>For Hot-Dipped Galvanized, Add</i>	21.46
	<i>For Stainless Steel, Add</i>	85.82
04 05 19 13-0218	CLF #6 (For 6" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	100.38
	<i>For Hot-Dipped Galvanized, Add</i>	21.76
	<i>For Stainless Steel, Add</i>	87.02



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0219	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	106.78	
			<i>For Hot-Dipped Galvanized, Add</i>	22.37	
			<i>For Stainless Steel, Add</i>	89.48	
04 05 19 13-0220	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.56	
			<i>For Hot-Dipped Galvanized, Add</i>	23.16	
			<i>For Stainless Steel, Add</i>	92.62	
04 05 19 13-0221	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	123.78	
			<i>For Hot-Dipped Galvanized, Add</i>	23.98	
			<i>For Stainless Steel, Add</i>	95.90	
04 05 19 13-0222	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.96	
			<i>For Hot-Dipped Galvanized, Add</i>	24.55	
			<i>For Stainless Steel, Add</i>	98.18	
04 05 19 13-0223	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.60	
			<i>For Hot-Dipped Galvanized, Add</i>	25.15	
			<i>For Stainless Steel, Add</i>	100.58	
04 05 19 13-0224	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	161.35	
			<i>For Hot-Dipped Galvanized, Add</i>	34.96	
			<i>For Stainless Steel, Add</i>	139.82	
04 05 19 13-0225	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	169.87	
			<i>For Hot-Dipped Galvanized, Add</i>	36.49	
			<i>For Stainless Steel, Add</i>	145.96	
04 05 19 13-0226	CLF	#20	(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	234.77	
			<i>For Hot-Dipped Galvanized, Add</i>	68.94	
			<i>For Stainless Steel, Add</i>	275.76	
<b>04 05 19 13-0227</b>			<b>Two-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b>		
			<small>(04 05 19 13-0204)</small>		
04 05 19 13-0228	CLF	#4	(For 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.45	
			<i>For Hot-Dipped Galvanized, Add</i>	30.61	
			<i>For Stainless Steel, Add</i>	122.44	
04 05 19 13-0229	CLF	#6	(For 6" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	119.31	
			<i>For Hot-Dipped Galvanized, Add</i>	31.00	
			<i>For Stainless Steel, Add</i>	123.98	
04 05 19 13-0230	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	125.68	
			<i>For Hot-Dipped Galvanized, Add</i>	32.13	
			<i>For Stainless Steel, Add</i>	128.52	
04 05 19 13-0231	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.62	
			<i>For Hot-Dipped Galvanized, Add</i>	33.69	
			<i>For Stainless Steel, Add</i>	134.74	
04 05 19 13-0232	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	146.31	
			<i>For Hot-Dipped Galvanized, Add</i>	35.62	
			<i>For Stainless Steel, Add</i>	142.48	
04 05 19 13-0233	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.91	
			<i>For Hot-Dipped Galvanized, Add</i>	36.51	
			<i>For Stainless Steel, Add</i>	146.02	
04 05 19 13-0234	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	160.96	
			<i>For Hot-Dipped Galvanized, Add</i>	37.83	
			<i>For Stainless Steel, Add</i>	151.30	
04 05 19 13-0235	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	197.65	
			<i>For Hot-Dipped Galvanized, Add</i>	53.10	
			<i>For Stainless Steel, Add</i>	212.40	
04 05 19 13-0236	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	209.12	
			<i>For Hot-Dipped Galvanized, Add</i>	56.11	
			<i>For Stainless Steel, Add</i>	224.42	
04 05 19 13-0237	CLF	#20	(For 20" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	297.74	
			<i>For Hot-Dipped Galvanized, Add</i>	97.01	
			<i>For Stainless Steel, Add</i>	388.02	
<b>04 05 19 13-0238</b>			<b>Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b>		
			<small>(04 05 19 13-0204)</small>		
04 05 19 13-0239	CLF	#4	(For 4" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	102.91	
			<i>For Hot-Dipped Galvanized, Add</i>	24.84	
			<i>For Stainless Steel, Add</i>	99.36	
04 05 19 13-0240	CLF	#6	(For 6" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	107.64	
			<i>For Hot-Dipped Galvanized, Add</i>	25.38	
			<i>For Stainless Steel, Add</i>	101.52	
04 05 19 13-0241	CLF	#8	(For 8" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	114.04	
			<i>For Hot-Dipped Galvanized, Add</i>	26.00	
			<i>For Stainless Steel, Add</i>	104.00	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0242	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	121.65
	<i>For Hot-Dipped Galvanized, Add</i> .....	26.70
	<i>For Stainless Steel, Add</i> .....	106.80
04 05 19 13-0243	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	130.61
	<i>For Hot-Dipped Galvanized, Add</i> .....	27.39
	<i>For Stainless Steel, Add</i> .....	109.54
04 05 19 13-0244	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	137.34
	<i>For Hot-Dipped Galvanized, Add</i> .....	27.72
	<i>For Stainless Steel, Add</i> .....	110.88
04 05 19 13-0245	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	142.18
	<i>For Hot-Dipped Galvanized, Add</i> .....	28.10
	<i>For Stainless Steel, Add</i> .....	112.40
04 05 19 13-0246	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	158.28
	<i>For Hot-Dipped Galvanized, Add</i> .....	33.42
	<i>For Stainless Steel, Add</i> .....	133.66

**04 05 19 13-0247 Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement**

04 05 19 13-0248	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	115.00
	<i>For Hot-Dipped Galvanized, Add</i> .....	30.89
	<i>For Stainless Steel, Add</i> .....	123.54
04 05 19 13-0249	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	119.89
	<i>For Hot-Dipped Galvanized, Add</i> .....	31.51
	<i>For Stainless Steel, Add</i> .....	126.02
04 05 19 13-0250	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	126.42
	<i>For Hot-Dipped Galvanized, Add</i> .....	32.19
	<i>For Stainless Steel, Add</i> .....	128.76
04 05 19 13-0251	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	133.91
	<i>For Hot-Dipped Galvanized, Add</i> .....	32.83
	<i>For Stainless Steel, Add</i> .....	131.32
04 05 19 13-0252	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	142.83
	<i>For Hot-Dipped Galvanized, Add</i> .....	33.50
	<i>For Stainless Steel, Add</i> .....	133.98
04 05 19 13-0253	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	149.59
	<i>For Hot-Dipped Galvanized, Add</i> .....	33.86
	<i>For Stainless Steel, Add</i> .....	135.44
04 05 19 13-0254	CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	154.38
	<i>For Hot-Dipped Galvanized, Add</i> .....	34.20
	<i>For Stainless Steel, Add</i> .....	136.78
04 05 19 13-0255	CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	174.38
	<i>For Hot-Dipped Galvanized, Add</i> .....	41.47
	<i>For Stainless Steel, Add</i> .....	165.88
04 05 19 13-0256	CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	212.64
	<i>For Hot-Dipped Galvanized, Add</i> .....	57.88
	<i>For Stainless Steel, Add</i> .....	231.50

**04 05 19 13-0257 Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement**

04 05 19 13-0258	CLF #4 (For 4" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	126.71
	<i>For Hot-Dipped Galvanized, Add</i> .....	36.74
	<i>For Stainless Steel, Add</i> .....	146.96
04 05 19 13-0259	CLF #6 (For 6" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	133.32
	<i>For Hot-Dipped Galvanized, Add</i> .....	38.00
	<i>For Stainless Steel, Add</i> .....	152.00
04 05 19 13-0260	CLF #8 (For 8" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	139.93
	<i>For Hot-Dipped Galvanized, Add</i> .....	39.26
	<i>For Stainless Steel, Add</i> .....	157.02
04 05 19 13-0261	CLF #10 (For 10" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	149.75
	<i>For Hot-Dipped Galvanized, Add</i> .....	40.75
	<i>For Stainless Steel, Add</i> .....	163.00
04 05 19 13-0262	CLF #12 (For 12" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	159.57
	<i>For Hot-Dipped Galvanized, Add</i> .....	42.25
	<i>For Stainless Steel, Add</i> .....	169.00
04 05 19 13-0263	CLF #13 (For 13" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement.....	167.99
	<i>For Hot-Dipped Galvanized, Add</i> .....	43.05
	<i>For Stainless Steel, Add</i> .....	172.18

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0264 CLF #14 (For 14" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	172.77	
<i>For Hot-Dipped Galvanized, Add</i>	43.73	
<i>For Stainless Steel, Add</i>	174.92	
04 05 19 13-0265 CLF #16 (For 16" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	181.64	
<i>For Hot-Dipped Galvanized, Add</i>	45.10	
<i>For Stainless Steel, Add</i>	180.38	
04 05 19 13-0266 CLF #18 (For 18" Walls), Mill Galvanized, Three-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	228.35	
<i>For Hot-Dipped Galvanized, Add</i>	65.72	
<i>For Stainless Steel, Add</i>	262.88	
<b>04 05 19 13-0267 Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0268 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	130.76	
<i>For Hot-Dipped Galvanized, Add</i>	38.77	
<i>For Stainless Steel, Add</i>	155.06	
04 05 19 13-0269 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	135.49	
<i>For Hot-Dipped Galvanized, Add</i>	39.31	
<i>For Stainless Steel, Add</i>	157.22	
04 05 19 13-0270 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	141.89	
<i>For Hot-Dipped Galvanized, Add</i>	39.93	
<i>For Stainless Steel, Add</i>	159.70	
04 05 19 13-0271 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	149.50	
<i>For Hot-Dipped Galvanized, Add</i>	40.63	
<i>For Stainless Steel, Add</i>	162.50	
04 05 19 13-0272 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	158.46	
<i>For Hot-Dipped Galvanized, Add</i>	41.31	
<i>For Stainless Steel, Add</i>	165.24	
04 05 19 13-0273 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	165.19	
<i>For Hot-Dipped Galvanized, Add</i>	41.65	
<i>For Stainless Steel, Add</i>	166.58	
04 05 19 13-0274 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.03	
<i>For Hot-Dipped Galvanized, Add</i>	42.03	
<i>For Stainless Steel, Add</i>	168.10	
04 05 19 13-0275 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	186.13	
<i>For Hot-Dipped Galvanized, Add</i>	47.34	
<i>For Stainless Steel, Add</i>	189.36	
04 05 19 13-0276 CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	212.87	
<i>For Hot-Dipped Galvanized, Add</i>	57.99	
<i>For Stainless Steel, Add</i>	231.94	
<b>04 05 19 13-0277 Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>		
04 05 19 13-0278 CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.56	
<i>For Hot-Dipped Galvanized, Add</i>	50.67	
<i>For Stainless Steel, Add</i>	202.66	
04 05 19 13-0279 CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	161.16	
<i>For Hot-Dipped Galvanized, Add</i>	51.92	
<i>For Stainless Steel, Add</i>	207.68	
04 05 19 13-0280 CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	167.78	
<i>For Hot-Dipped Galvanized, Add</i>	53.18	
<i>For Stainless Steel, Add</i>	212.72	
04 05 19 13-0281 CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.60	
<i>For Hot-Dipped Galvanized, Add</i>	54.68	
<i>For Stainless Steel, Add</i>	218.70	
04 05 19 13-0282 CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	187.41	
<i>For Hot-Dipped Galvanized, Add</i>	56.17	
<i>For Stainless Steel, Add</i>	224.68	
04 05 19 13-0283 CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	195.83	
<i>For Hot-Dipped Galvanized, Add</i>	56.97	
<i>For Stainless Steel, Add</i>	227.86	
04 05 19 13-0284 CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	200.61	
<i>For Hot-Dipped Galvanized, Add</i>	57.65	
<i>For Stainless Steel, Add</i>	230.60	
04 05 19 13-0285 CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	209.49	
<i>For Hot-Dipped Galvanized, Add</i>	59.02	
<i>For Stainless Steel, Add</i>	236.08	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 05 19 13-0286	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type, Masonry Wall Reinforcement	256.19
	<i>For Hot-Dipped Galvanized, Add</i>	79.64
	<i>For Stainless Steel, Add</i>	318.56
<b>04 05 19 13-0287</b>	<b>Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0204)</small>	
04 05 19 13-0288	CLF #4 (For 4" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	142.85
	<i>For Hot-Dipped Galvanized, Add</i>	44.81
	<i>For Stainless Steel, Add</i>	179.24
04 05 19 13-0289	CLF #6 (For 6" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	147.74
	<i>For Hot-Dipped Galvanized, Add</i>	45.43
	<i>For Stainless Steel, Add</i>	181.72
04 05 19 13-0290	CLF #8 (For 8" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	154.27
	<i>For Hot-Dipped Galvanized, Add</i>	46.12
	<i>For Stainless Steel, Add</i>	184.46
04 05 19 13-0291	CLF #10 (For 10" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	161.75
	<i>For Hot-Dipped Galvanized, Add</i>	46.75
	<i>For Stainless Steel, Add</i>	187.00
04 05 19 13-0292	CLF #12 (For 12" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	170.68
	<i>For Hot-Dipped Galvanized, Add</i>	47.42
	<i>For Stainless Steel, Add</i>	189.68
04 05 19 13-0293	CLF #13 (For 13" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	177.44
	<i>For Hot-Dipped Galvanized, Add</i>	47.79
	<i>For Stainless Steel, Add</i>	191.14
04 05 19 13-0294	CLF #14 (For 14" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	182.23
	<i>For Hot-Dipped Galvanized, Add</i>	48.12
	<i>For Stainless Steel, Add</i>	192.48
04 05 19 13-0295	CLF #16 (For 16" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	202.22
	<i>For Hot-Dipped Galvanized, Add</i>	55.39
	<i>For Stainless Steel, Add</i>	221.56
04 05 19 13-0296	CLF #18 (For 18" Walls), Mill Galvanized, Four-Wire, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type, Masonry Wall Reinforcement	240.48
	<i>For Hot-Dipped Galvanized, Add</i>	71.80
	<i>For Stainless Steel, Add</i>	287.18
<b>04 05 19 13-0297</b>	<b>Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>	
<b>04 05 19 13-0298</b>	<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>	
04 05 19 13-0299	CLF #8 (For 8" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	117.59
	<i>For Hot-Dipped Galvanized, Add</i>	24.25
	<i>For Stainless Steel, Add</i>	96.98
04 05 19 13-0300	CLF #10 (For 10" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	127.60
	<i>For Hot-Dipped Galvanized, Add</i>	25.42
	<i>For Stainless Steel, Add</i>	101.66
04 05 19 13-0301	CLF #12 (For 12" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	138.25
	<i>For Hot-Dipped Galvanized, Add</i>	26.90
	<i>For Stainless Steel, Add</i>	107.60
04 05 19 13-0302	CLF #13 (For 13" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	147.97
	<i>For Hot-Dipped Galvanized, Add</i>	27.92
	<i>For Stainless Steel, Add</i>	111.68
04 05 19 13-0303	CLF #14 (For 14" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	153.51
	<i>For Hot-Dipped Galvanized, Add</i>	28.77
	<i>For Stainless Steel, Add</i>	115.08
04 05 19 13-0304	CLF #16 (For 16" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	164.54
	<i>For Hot-Dipped Galvanized, Add</i>	30.83
	<i>For Stainless Steel, Add</i>	123.30
04 05 19 13-0305	CLF #18 (For 18" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	174.79
	<i>For Hot-Dipped Galvanized, Add</i>	32.88
	<i>For Stainless Steel, Add</i>	131.52
<b>04 05 19 13-0306</b>	<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0297)</small>	
04 05 19 13-0307	CLF #8 (For 8" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	132.69
	<i>For Hot-Dipped Galvanized, Add</i>	31.80
	<i>For Stainless Steel, Add</i>	127.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0308	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	142.73	
			<i>For Hot-Dipped Galvanized, Add</i>	32.98	
			<i>For Stainless Steel, Add</i>	131.92	
04 05 19 13-0309	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	153.32	
			<i>For Hot-Dipped Galvanized, Add</i>	34.44	
			<i>For Stainless Steel, Add</i>	137.74	
04 05 19 13-0310	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	163.07	
			<i>For Hot-Dipped Galvanized, Add</i>	35.47	
			<i>For Stainless Steel, Add</i>	141.88	
04 05 19 13-0311	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	168.52	
			<i>For Hot-Dipped Galvanized, Add</i>	36.28	
			<i>For Stainless Steel, Add</i>	145.10	
04 05 19 13-0312	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	179.58	
			<i>For Hot-Dipped Galvanized, Add</i>	38.35	
			<i>For Stainless Steel, Add</i>	153.38	
04 05 19 13-0313	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	189.90	
			<i>For Hot-Dipped Galvanized, Add</i>	40.44	
			<i>For Stainless Steel, Add</i>	161.74	
<b>04 05 19 13-0314</b>			<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement</b>		
			<small>(04 05 19 13-0297)</small>		
04 05 19 13-0315	CLF	#8	(For 8" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	146.69	
			<i>For Hot-Dipped Galvanized, Add</i>	38.80	
			<i>For Stainless Steel, Add</i>	155.18	
04 05 19 13-0316	CLF	#10	(For 10" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	158.04	
			<i>For Hot-Dipped Galvanized, Add</i>	40.64	
			<i>For Stainless Steel, Add</i>	162.54	
04 05 19 13-0317	CLF	#12	(For 12" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	170.76	
			<i>For Hot-Dipped Galvanized, Add</i>	43.16	
			<i>For Stainless Steel, Add</i>	172.62	
04 05 19 13-0318	CLF	#13	(For 13" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	181.18	
			<i>For Hot-Dipped Galvanized, Add</i>	44.53	
			<i>For Stainless Steel, Add</i>	178.10	
04 05 19 13-0319	CLF	#14	(For 14" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	187.76	
			<i>For Hot-Dipped Galvanized, Add</i>	45.90	
			<i>For Stainless Steel, Add</i>	183.58	
04 05 19 13-0320	CLF	#16	(For 16" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	200.87	
			<i>For Hot-Dipped Galvanized, Add</i>	48.99	
			<i>For Stainless Steel, Add</i>	195.96	
04 05 19 13-0321	CLF	#18	(For 18" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Tabs, Masonry Wall Reinforcement	212.12	
			<i>For Hot-Dipped Galvanized, Add</i>	51.55	
			<i>For Stainless Steel, Add</i>	206.18	
<b>04 05 19 13-0322</b>			<b>Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b>		
			<small>(04 05 19 13-0203)</small>		
<b>04 05 19 13-0323</b>			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b>		
			<small>(04 05 19 13-0322)</small>		
04 05 19 13-0324	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	164.67	
			<i>For Hot-Dipped Galvanized, Add</i>	47.79	
			<i>For Stainless Steel, Add</i>	191.14	
04 05 19 13-0325	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	173.01	
			<i>For Hot-Dipped Galvanized, Add</i>	48.12	
			<i>For Stainless Steel, Add</i>	192.48	
04 05 19 13-0326	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	183.03	
			<i>For Hot-Dipped Galvanized, Add</i>	49.29	
			<i>For Stainless Steel, Add</i>	197.16	
04 05 19 13-0327	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	197.66	
			<i>For Hot-Dipped Galvanized, Add</i>	50.85	
			<i>For Stainless Steel, Add</i>	203.38	
04 05 19 13-0328	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	208.25	
			<i>For Hot-Dipped Galvanized, Add</i>	52.68	
			<i>For Stainless Steel, Add</i>	210.72	
04 05 19 13-0329	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	218.87	
			<i>For Hot-Dipped Galvanized, Add</i>	54.92	
			<i>For Stainless Steel, Add</i>	219.68	



**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 13-0330			<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0322)</small>		
04 05 19 13-0331	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	188.03	
			<i>For Hot-Dipped Galvanized, Add</i>	59.47	
			<i>For Stainless Steel, Add</i>	237.86	
04 05 19 13-0332	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	196.70	
			<i>For Hot-Dipped Galvanized, Add</i>	59.97	
			<i>For Stainless Steel, Add</i>	239.86	
04 05 19 13-0333	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	206.72	
			<i>For Hot-Dipped Galvanized, Add</i>	61.14	
			<i>For Stainless Steel, Add</i>	244.54	
04 05 19 13-0334	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	221.28	
			<i>For Hot-Dipped Galvanized, Add</i>	62.66	
			<i>For Stainless Steel, Add</i>	250.62	
04 05 19 13-0335	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	231.58	
			<i>For Hot-Dipped Galvanized, Add</i>	64.35	
			<i>For Stainless Steel, Add</i>	257.38	
04 05 19 13-0336	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	241.12	
			<i>For Hot-Dipped Galvanized, Add</i>	66.05	
			<i>For Stainless Steel, Add</i>	264.18	
04 05 19 13-0337			<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0322)</small>		
04 05 19 13-0338	CLF	#8	(For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	200.83	
			<i>For Hot-Dipped Galvanized, Add</i>	65.87	
			<i>For Stainless Steel, Add</i>	263.46	
04 05 19 13-0339	CLF	#10	(For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	209.50	
			<i>For Hot-Dipped Galvanized, Add</i>	66.37	
			<i>For Stainless Steel, Add</i>	265.46	
04 05 19 13-0340	CLF	#12	(For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	220.86	
			<i>For Hot-Dipped Galvanized, Add</i>	68.21	
			<i>For Stainless Steel, Add</i>	272.82	
04 05 19 13-0341	CLF	#14	(For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	237.19	
			<i>For Hot-Dipped Galvanized, Add</i>	70.61	
			<i>For Stainless Steel, Add</i>	282.44	
04 05 19 13-0342	CLF	#16	(For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	250.19	
			<i>For Hot-Dipped Galvanized, Add</i>	73.65	
			<i>For Stainless Steel, Add</i>	294.60	
04 05 19 13-0343	CLF	#18	(For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Composite Walls, Masonry Wall Reinforcement	263.08	
			<i>For Hot-Dipped Galvanized, Add</i>	77.03	
			<i>For Stainless Steel, Add</i>	308.10	
04 05 19 13-0344			<b>Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
04 05 19 13-0345			<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0344)</small>		
04 05 19 13-0346	CLF	#10	(For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	176.78	
			<i>For Hot-Dipped Galvanized, Add</i>	50.01	
			<i>For Stainless Steel, Add</i>	200.02	
04 05 19 13-0347	CLF	#12	(For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	185.17	
			<i>For Hot-Dipped Galvanized, Add</i>	50.36	
			<i>For Stainless Steel, Add</i>	201.44	
04 05 19 13-0348	CLF	#14	(For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	198.96	
			<i>For Hot-Dipped Galvanized, Add</i>	51.50	
			<i>For Stainless Steel, Add</i>	205.98	
04 05 19 13-0349	CLF	#16	(For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	208.95	
			<i>For Hot-Dipped Galvanized, Add</i>	53.03	
			<i>For Stainless Steel, Add</i>	212.12	
04 05 19 13-0350	CLF	#18	(For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	218.84	
			<i>For Hot-Dipped Galvanized, Add</i>	54.91	
			<i>For Stainless Steel, Add</i>	219.62	
04 05 19 13-0351	CLF	#20	(For 14" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement	226.91	
			<i>For Hot-Dipped Galvanized, Add</i>	56.81	
			<i>For Stainless Steel, Add</i>	227.24	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0352	<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0344)</small>		
04 05 19 13-0353	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	200.08	
	<i>For Hot-Dipped Galvanized, Add</i>	61.66	
	<i>For Stainless Steel, Add</i>	246.62	
04 05 19 13-0354	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	208.76	
	<i>For Hot-Dipped Galvanized, Add</i>	62.16	
	<i>For Stainless Steel, Add</i>	248.62	
04 05 19 13-0355	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	222.62	
	<i>For Hot-Dipped Galvanized, Add</i>	63.33	
	<i>For Stainless Steel, Add</i>	253.30	
04 05 19 13-0356	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	232.61	
	<i>For Hot-Dipped Galvanized, Add</i>	64.86	
	<i>For Stainless Steel, Add</i>	259.44	
04 05 19 13-0357	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	242.13	
	<i>For Hot-Dipped Galvanized, Add</i>	66.55	
	<i>For Stainless Steel, Add</i>	266.20	
04 05 19 13-0358	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	250.40	
	<i>For Hot-Dipped Galvanized, Add</i>	68.56	
	<i>For Stainless Steel, Add</i>	274.22	
04 05 19 13-0359	<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0344)</small>		
04 05 19 13-0360	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	212.91	
	<i>For Hot-Dipped Galvanized, Add</i>	68.07	
	<i>For Stainless Steel, Add</i>	272.28	
04 05 19 13-0361	CLF #12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	221.56	
	<i>For Hot-Dipped Galvanized, Add</i>	68.56	
	<i>For Stainless Steel, Add</i>	274.22	
04 05 19 13-0362	CLF #14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	236.82	
	<i>For Hot-Dipped Galvanized, Add</i>	70.43	
	<i>For Stainless Steel, Add</i>	281.70	
04 05 19 13-0363	CLF #16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	248.52	
	<i>For Hot-Dipped Galvanized, Add</i>	72.82	
	<i>For Stainless Steel, Add</i>	291.26	
04 05 19 13-0364	CLF #18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	260.71	
	<i>For Hot-Dipped Galvanized, Add</i>	75.84	
	<i>For Stainless Steel, Add</i>	303.36	
04 05 19 13-0365	CLF #20 (For 14" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Adjustable Tabs For Cavity Walls, Masonry Wall Reinforcement.....	269.58	
	<i>For Hot-Dipped Galvanized, Add</i>	78.15	
	<i>For Stainless Steel, Add</i>	312.58	
04 05 19 13-0366	<b>Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>		
04 05 19 13-0367	<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>		
04 05 19 13-0368	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	167.80	
	<i>For Hot-Dipped Galvanized, Add</i>	45.52	
	<i>For Stainless Steel, Add</i>	182.06	
	<i>For Seismic Hook And Eye, Add</i>	19.57	
04 05 19 13-0369	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	176.11	
	<i>For Hot-Dipped Galvanized, Add</i>	45.83	
	<i>For Stainless Steel, Add</i>	183.32	
	<i>For Seismic Hook And Eye, Add</i>	19.71	
04 05 19 13-0370	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.60	
	<i>For Hot-Dipped Galvanized, Add</i>	46.82	
	<i>For Stainless Steel, Add</i>	187.26	
	<i>For Seismic Hook And Eye, Add</i>	20.13	
04 05 19 13-0371	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	199.36	
	<i>For Hot-Dipped Galvanized, Add</i>	48.24	
	<i>For Stainless Steel, Add</i>	192.94	
	<i>For Seismic Hook And Eye, Add</i>	20.74	
04 05 19 13-0372	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	208.44	
	<i>For Hot-Dipped Galvanized, Add</i>	49.71	
	<i>For Stainless Steel, Add</i>	198.82	
	<i>For Seismic Hook And Eye, Add</i>	21.37	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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04 05 19 13-0373	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	216.31
	<i>For Hot-Dipped Galvanized, Add</i>	51.51
	<i>For Stainless Steel, Add</i>	206.04
	<i>For Seismic Hook And Eye, Add</i>	22.15
<b>04 05 19 13-0374</b>	<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>	
04 05 19 13-0375	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	189.25
	<i>For Hot-Dipped Galvanized, Add</i>	56.24
	<i>For Stainless Steel, Add</i>	224.96
	<i>For Seismic Hook And Eye, Add</i>	24.18
04 05 19 13-0376	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	197.80
	<i>For Hot-Dipped Galvanized, Add</i>	56.68
	<i>For Stainless Steel, Add</i>	226.70
	<i>For Seismic Hook And Eye, Add</i>	24.37
04 05 19 13-0377	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	211.12
	<i>For Hot-Dipped Galvanized, Add</i>	57.58
	<i>For Stainless Steel, Add</i>	230.30
	<i>For Seismic Hook And Eye, Add</i>	24.76
04 05 19 13-0378	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	220.75
	<i>For Hot-Dipped Galvanized, Add</i>	58.93
	<i>For Stainless Steel, Add</i>	235.72
	<i>For Seismic Hook And Eye, Add</i>	25.34
04 05 19 13-0379	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	229.80
	<i>For Hot-Dipped Galvanized, Add</i>	60.39
	<i>For Stainless Steel, Add</i>	241.54
	<i>For Seismic Hook And Eye, Add</i>	25.97
04 05 19 13-0380	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	237.26
	<i>For Hot-Dipped Galvanized, Add</i>	61.99
	<i>For Stainless Steel, Add</i>	247.94
	<i>For Seismic Hook And Eye, Add</i>	26.65
<b>04 05 19 13-0381</b>	<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0366)</small>	
04 05 19 13-0382	CLF #8 (For 4" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	202.21
	<i>For Hot-Dipped Galvanized, Add</i>	62.72
	<i>For Stainless Steel, Add</i>	250.88
	<i>For Seismic Hook And Eye, Add</i>	26.97
04 05 19 13-0383	CLF #10 (For 6" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	210.86
	<i>For Hot-Dipped Galvanized, Add</i>	63.21
	<i>For Stainless Steel, Add</i>	252.82
	<i>For Seismic Hook And Eye, Add</i>	27.18
04 05 19 13-0384	CLF #12 (For 8" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	225.89
	<i>For Hot-Dipped Galvanized, Add</i>	64.96
	<i>For Stainless Steel, Add</i>	259.84
	<i>For Seismic Hook And Eye, Add</i>	27.93
04 05 19 13-0385	CLF #14 (For 10" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	237.39
	<i>For Hot-Dipped Galvanized, Add</i>	67.25
	<i>For Stainless Steel, Add</i>	269.00
	<i>For Seismic Hook And Eye, Add</i>	28.92
04 05 19 13-0386	CLF #16 (For 12" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	249.31
	<i>For Hot-Dipped Galvanized, Add</i>	70.14
	<i>For Stainless Steel, Add</i>	280.56
	<i>For Seismic Hook And Eye, Add</i>	30.16
04 05 19 13-0387	CLF #18 (For 14" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Composite Walls, Masonry Wall Reinforcement.....	259.99
	<i>For Hot-Dipped Galvanized, Add</i>	73.35
	<i>For Stainless Steel, Add</i>	293.40
	<i>For Seismic Hook And Eye, Add</i>	31.54
<b>04 05 19 13-0388</b>	<b>Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0203)</small>	
<b>04 05 19 13-0389</b>	<b>9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall</b> <small>(04 05 19 13-0388)</small>	
04 05 19 13-0390	CLF #10 (For 4" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	179.75
	<i>For Hot-Dipped Galvanized, Add</i>	47.65
	<i>For Stainless Steel, Add</i>	190.60
	<i>For Seismic Hook And Eye, Add</i>	20.49

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 13-0391	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	191.94	
		<i>For Hot-Dipped Galvanized, Add</i>	47.99	
		<i>For Stainless Steel, Add</i>	191.94	
		<i>For Seismic Hook And Eye, Add</i>	20.63	
04 05 19 13-0392	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	200.97	
		<i>For Hot-Dipped Galvanized, Add</i>	49.04	
		<i>For Stainless Steel, Add</i>	196.16	
		<i>For Seismic Hook And Eye, Add</i>	21.09	
04 05 19 13-0393	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	210.11	
		<i>For Hot-Dipped Galvanized, Add</i>	50.54	
		<i>For Stainless Steel, Add</i>	202.16	
		<i>For Seismic Hook And Eye, Add</i>	21.73	
04 05 19 13-0394	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 9 Gauge Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement .....	217.85	
		<i>For Hot-Dipped Galvanized, Add</i>	52.28	
		<i>For Stainless Steel, Add</i>	209.12	
		<i>For Seismic Hook And Eye, Add</i>	22.48	
04 05 19 13-0395		<b>3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0396	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	202.88	
		<i>For Hot-Dipped Galvanized, Add</i>	59.22	
		<i>For Stainless Steel, Add</i>	236.86	
		<i>For Seismic Hook And Eye, Add</i>	25.46	
04 05 19 13-0397	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	215.13	
		<i>For Hot-Dipped Galvanized, Add</i>	59.58	
		<i>For Stainless Steel, Add</i>	238.32	
		<i>For Seismic Hook And Eye, Add</i>	25.62	
04 05 19 13-0398	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	224.09	
		<i>For Hot-Dipped Galvanized, Add</i>	60.60	
		<i>For Stainless Steel, Add</i>	242.40	
		<i>For Seismic Hook And Eye, Add</i>	26.06	
04 05 19 13-0399	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	232.97	
		<i>For Hot-Dipped Galvanized, Add</i>	61.97	
		<i>For Stainless Steel, Add</i>	247.88	
		<i>For Seismic Hook And Eye, Add</i>	26.65	
04 05 19 13-0400	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 9 Gauge Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	240.04	
		<i>For Hot-Dipped Galvanized, Add</i>	63.38	
		<i>For Stainless Steel, Add</i>	253.50	
		<i>For Seismic Hook And Eye, Add</i>	27.25	
04 05 19 13-0401		<b>3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement</b> <small>(04 05 19 13-0388)</small>		
04 05 19 13-0402	CLF	#10 (For 4" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	214.11	
		<i>For Hot-Dipped Galvanized, Add</i>	64.83	
		<i>For Stainless Steel, Add</i>	259.32	
		<i>For Seismic Hook And Eye, Add</i>	27.88	
04 05 19 13-0403	CLF	#12 (For 6" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	226.56	
		<i>For Hot-Dipped Galvanized, Add</i>	65.30	
		<i>For Stainless Steel, Add</i>	261.18	
		<i>For Seismic Hook And Eye, Add</i>	28.08	
04 05 19 13-0404	CLF	#14 (For 8" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	237.02	
		<i>For Hot-Dipped Galvanized, Add</i>	67.07	
		<i>For Stainless Steel, Add</i>	268.26	
		<i>For Seismic Hook And Eye, Add</i>	28.84	
04 05 19 13-0405	CLF	#16 (For 10" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	247.71	
		<i>For Hot-Dipped Galvanized, Add</i>	69.34	
		<i>For Stainless Steel, Add</i>	277.36	
		<i>For Seismic Hook And Eye, Add</i>	29.82	
04 05 19 13-0406	CLF	#18 (For 12" + 2" + 4" Walls), Mill Galvanized, 3/16" Side Rods, 3/16" Cross Rods, Truss-Type With Hook And Eye Ties For Cavity Walls, Masonry Wall Reinforcement.....	257.75	
		<i>For Hot-Dipped Galvanized, Add</i>	72.23	
		<i>For Stainless Steel, Add</i>	288.92	
		<i>For Seismic Hook And Eye, Add</i>	31.06	
04 05 19 16		<b>Masonry Anchors</b> <small>(04 05 19)</small>		
04 05 19 16-0001		<b>Rectangular, Wire Masonry Wall Ties</b> <small>(04 05 19 16)</small>		
04 05 19 16-0002		<b>Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Ties</b> <small>(04 05 19 16-0001)</small>		
04 05 19 16-0003	EA	2" Width x 4" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.79	
04 05 19 16-0004	EA	2" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	1.90	
04 05 19 16-0005	EA	2" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.01	
04 05 19 16-0006	EA	2" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.14	

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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04 05 19 16-0007	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.27
04 05 19 16-0008	EA	4" Width x 6" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.01
04 05 19 16-0009	EA	4" Width x 8" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.14
04 05 19 16-0010	EA	4" Width x 10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.27
04 05 19 16-0011	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Rectangular, Wire Masonry Wall Tie.....	2.40
<b>04 05 19 16-0012</b>		<b>Mill Galvanized, Rectangular, Wire Masonry Wall Ties (04 05 19 16-0001)</b>	
04 05 19 16-0013	EA	2" Width x 4" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.60
04 05 19 16-0014	EA	2" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.64
04 05 19 16-0015	EA	2" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.69
04 05 19 16-0016	EA	2" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.76
04 05 19 16-0017	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.83
04 05 19 16-0018	EA	4" Width x 6" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.69
04 05 19 16-0019	EA	4" Width x 8" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.76
04 05 19 16-0020	EA	4" Width x 10" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.83
04 05 19 16-0021	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Rectangular, Wire Masonry Wall Tie .....	1.91
<b>04 05 19 16-0022</b>		<b>Z-Type, Wire Masonry Wall Ties (04 05 19 16)</b>	
<b>04 05 19 16-0023</b>		<b>Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)</b>	
04 05 19 16-0024	EA	6" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.60
04 05 19 16-0025	EA	8" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.67
04 05 19 16-0026	EA	10" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.86
04 05 19 16-0027	EA	12" Length, 2" Bends, 3/16" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.95
04 05 19 16-0028	EA	6" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.97
04 05 19 16-0029	EA	8" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	2.09
04 05 19 16-0030	EA	10" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	2.24
04 05 19 16-0031	EA	12" Length, 2" Bends, 1/4" Diameter, Hot-Dipped Galvanized, Z-Type, Wire Masonry Wall Tie .....	2.33
<b>04 05 19 16-0032</b>		<b>Mill Galvanized, Z-Type, Wire Masonry Wall Ties (04 05 19 16-0022)</b>	
04 05 19 16-0033	EA	6" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.46
04 05 19 16-0034	EA	8" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.48
04 05 19 16-0035	EA	10" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.63
04 05 19 16-0036	EA	12" Length, 2" Bends, 3/16" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.67
04 05 19 16-0037	EA	6" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.68
04 05 19 16-0038	EA	8" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.76
04 05 19 16-0039	EA	10" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.83
04 05 19 16-0040	EA	12" Length, 2" Bends, 1/4" Diameter, Mill Galvanized, Z-Type, Wire Masonry Wall Tie .....	1.93
<b>04 05 19 16-0041</b>		<b>Wire Beam Ties (04 05 19 16)</b>	
<b>04 05 19 16-0042</b>		<b>Hot-Dipped Galvanized, Wire Beam Ties (04 05 19 16-0041)</b>	
04 05 19 16-0043	EA	2" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	2.13
04 05 19 16-0044	EA	4" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	2.18
04 05 19 16-0045	EA	6" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	2.22
04 05 19 16-0046	EA	8" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	2.27
04 05 19 16-0047	EA	10" Width x 12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Beam Tie .....	2.36
<b>04 05 19 16-0048</b>		<b>Mill Galvanized, Wire Beam Ties (04 05 19 16-0041)</b>	
04 05 19 16-0049	EA	2" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	2.52
04 05 19 16-0050	EA	4" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	2.63
04 05 19 16-0051	EA	6" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	2.75
04 05 19 16-0052	EA	8" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	2.80
04 05 19 16-0053	EA	10" Width x 12" Length, 3/16" Diameter, Mill Galvanized, Wire Beam Tie .....	2.89
<b>04 05 19 16-0054</b>		<b>Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16)</b>	
<b>04 05 19 16-0055</b>		<b>Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)</b>	
04 05 19 16-0056	EA	6" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.36
04 05 19 16-0057	EA	7" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.46
04 05 19 16-0058	EA	8" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.49
04 05 19 16-0059	EA	9" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.58
04 05 19 16-0060	EA	10" Total Length, 3/16" Diameter, Hot-Dipped Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.61
<b>04 05 19 16-0061</b>		<b>Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Ties (04 05 19 16-0054)</b>	
04 05 19 16-0062	EA	6" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.01
04 05 19 16-0063	EA	7" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.07
04 05 19 16-0064	EA	8" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.10
04 05 19 16-0065	EA	9" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.15
04 05 19 16-0066	EA	10" Total Length, 3/16" Diameter, Mill Galvanized, Adjustable Double Pintle, Wire Masonry Wall Tie .....	2.17
<b>04 05 19 16-0067</b>		<b>Corrugated Buck (Brick) Anchors (04 05 19 16)</b>	
<b>04 05 19 16-0068</b>		<b>Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchors (04 05 19 16-0067)</b>	
04 05 19 16-0069	EA	3-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	2.85
04 05 19 16-0070	EA	4-1/2" Length, 1-1/4" Width, 16 Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor .....	2.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

04 05 19 16-0071	EA	5-1/2"	Length, 1-1/4"	Width, 16	Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor		3.06
04 05 19 16-0072	EA	6-1/2"	Length, 1-1/4"	Width, 16	Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor		3.17
04 05 19 16-0073	EA	7-1/2"	Length, 1-1/4"	Width, 16	Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor		3.28
04 05 19 16-0074	EA	3-1/2"	Length, 1-1/4"	Width, 14	Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor		2.94
04 05 19 16-0075	EA	4-1/2"	Length, 1-1/4"	Width, 14	Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor		3.06
04 05 19 16-0076	EA	5-1/2"	Length, 1-1/4"	Width, 14	Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor		3.17
04 05 19 16-0077	EA	6-1/2"	Length, 1-1/4"	Width, 14	Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor		3.29
04 05 19 16-0078	EA	7-1/2"	Length, 1-1/4"	Width, 14	Gauge, Hot-Dipped Galvanized, Corrugated Buck (Brick) Anchor		3.41

**04 05 19 16-0079 Mill Galvanized, Corrugated Buck (Brick) Anchors** (04 05 19 16-0067)

04 05 19 16-0080	EA	3-1/2"	Length, 1-1/4"	Width, 16	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.47
04 05 19 16-0081	EA	4-1/2"	Length, 1-1/4"	Width, 16	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.55
04 05 19 16-0082	EA	5-1/2"	Length, 1-1/4"	Width, 16	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.62
04 05 19 16-0083	EA	6-1/2"	Length, 1-1/4"	Width, 16	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.70
04 05 19 16-0084	EA	7-1/2"	Length, 1-1/4"	Width, 16	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.78
04 05 19 16-0085	EA	3-1/2"	Length, 1-1/4"	Width, 14	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.54
04 05 19 16-0086	EA	4-1/2"	Length, 1-1/4"	Width, 14	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.62
04 05 19 16-0087	EA	5-1/2"	Length, 1-1/4"	Width, 14	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.71
04 05 19 16-0088	EA	6-1/2"	Length, 1-1/4"	Width, 14	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.79
04 05 19 16-0089	EA	7-1/2"	Length, 1-1/4"	Width, 14	Gauge, Mill Galvanized, Corrugated Buck (Brick) Anchor		2.88

**04 05 19 16-0090 Corrugated Wall Ties** (04 05 19 16)

**04 05 19 16-0091 Hot-Dipped Galvanized, Corrugated Wall Ties** (04 05 19 16-0090)

04 05 19 16-0092	EA	7/8"	Width, 7"	Length, 28	Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie		1.45
04 05 19 16-0093	EA	7/8"	Width, 7"	Length, 26	Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie		1.54
04 05 19 16-0094	EA	7/8"	Width, 7"	Length, 24	Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie		1.58
04 05 19 16-0095	EA	7/8"	Width, 7"	Length, 22	Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie		1.61
04 05 19 16-0096	EA	7/8"	Width, 7"	Length, 16	Gauge, Hot-Dipped Galvanized, Corrugated Wall Tie		1.91

**04 05 19 16-0097 Mill Galvanized, Corrugated Wall Ties** (04 05 19 16-0090)

04 05 19 16-0098	EA	7/8"	Width, 7"	Length, 26	Gauge, Mill Galvanized, Corrugated Wall Tie		1.49
04 05 19 16-0099	EA	7/8"	Width, 7"	Length, 24	Gauge, Mill Galvanized, Corrugated Wall Tie		1.51
04 05 19 16-0100	EA	7/8"	Width, 7"	Length, 22	Gauge, Mill Galvanized, Corrugated Wall Tie		1.54
04 05 19 16-0101	EA	7/8"	Width, 7"	Length, 16	Gauge, Mill Galvanized, Corrugated Wall Tie		1.77

**04 05 19 16-0102 Stainless Steel, Corrugated Wall Ties** (04 05 19 16-0090)

04 05 19 16-0103	EA	7/8"	Width, 7"	Length, 28	Gauge, Stainless Steel, Corrugated Wall Tie		1.76
04 05 19 16-0104	EA	7/8"	Width, 7"	Length, 26	Gauge, Stainless Steel, Corrugated Wall Tie		1.82
04 05 19 16-0105	EA	7/8"	Width, 7"	Length, 24	Gauge, Stainless Steel, Corrugated Wall Tie		1.89
04 05 19 16-0106	EA	7/8"	Width, 7"	Length, 22	Gauge, Stainless Steel, Corrugated Wall Tie		1.95
04 05 19 16-0107	EA	7/8"	Width, 7"	Length, 16	Gauge, Stainless Steel, Corrugated Wall Tie		2.28

**04 05 19 16-0108 Wire Mesh Wall Ties** (04 05 19 16)

Note: 1/2" square mesh.

04 05 19 16-0109	EA	3"	Width, 8"	Length, 16	Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie		2.90
04 05 19 16-0110	EA	3"	Width, 12"	Length, 16	Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie		3.52
04 05 19 16-0111	EA	6"	Width, 8"	Length, 16	Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie		4.16
04 05 19 16-0112	EA	6"	Width, 12"	Length, 16	Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie		5.32
04 05 19 16-0113	EA	10"	Width, 8"	Length, 16	Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie		5.01
04 05 19 16-0114	EA	10"	Width, 12"	Length, 16	Gauge, Hot-Dipped Galvanized, Wire Mesh Wall Tie		6.15

**04 05 19 16-0115 Triangle Brick Ties** (04 05 19 16)

**04 05 19 16-0116 Hot-Dipped Galvanized, Triangle Brick Ties** (04 05 19 16-0115)

04 05 19 16-0117	EA	3"	Length, 3/16"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		2.57
04 05 19 16-0118	EA	3-1/2"	Length, 3/16"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		2.62
04 05 19 16-0119	EA	4"	Length, 3/16"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		2.67
04 05 19 16-0120	EA	4-1/2"	Length, 3/16"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		2.77
04 05 19 16-0121	EA	5"	Length, 3/16"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		2.82
04 05 19 16-0122	EA	6"	Length, 3/16"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		2.98
04 05 19 16-0123	EA	7"	Length, 3/16"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.08
04 05 19 16-0124	EA	9"	Length, 3/16"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.31
04 05 19 16-0125	EA	3"	Length, 1/4"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.06
04 05 19 16-0126	EA	3-1/2"	Length, 1/4"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.09
04 05 19 16-0127	EA	4"	Length, 1/4"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.13
04 05 19 16-0128	EA	4-1/2"	Length, 1/4"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.22
04 05 19 16-0129	EA	5"	Length, 1/4"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.26
04 05 19 16-0130	EA	6"	Length, 1/4"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.41
04 05 19 16-0131	EA	7"	Length, 1/4"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.49
04 05 19 16-0132	EA	9"	Length, 1/4"	Diameter, Hot-Dipped Galvanized, Triangle Brick Tie		3.73

**04 05 19 16-0133 Mill Galvanized, Triangle Brick Ties** (04 05 19 16-0115)

04 05 19 16-0134	EA	3"	Length, 3/16"	Diameter, Mill Galvanized, Triangle Brick Tie		2.34
04 05 19 16-0135	EA	3-1/2"	Length, 3/16"	Diameter, Mill Galvanized, Triangle Brick Tie		2.35
04 05 19 16-0136	EA	4"	Length, 3/16"	Diameter, Mill Galvanized, Triangle Brick Tie		2.37
04 05 19 16-0137	EA	4-1/2"	Length, 3/16"	Diameter, Mill Galvanized, Triangle Brick Tie		2.45
04 05 19 16-0138	EA	5"	Length, 3/16"	Diameter, Mill Galvanized, Triangle Brick Tie		2.46

**04 Masonry****04 05 Common Work Results for Masonry****04 05 19 Masonry Anchorage and Reinforcing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 16-0139	EA	6" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.57
04 05 19 16-0140	EA	7" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.60
04 05 19 16-0141	EA	9" Length, 3/16" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.68
04 05 19 16-0142	EA	3" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.62
04 05 19 16-0143	EA	3-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.65
04 05 19 16-0144	EA	4" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.68
04 05 19 16-0145	EA	4-1/2" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.77
04 05 19 16-0146	EA	5" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.79
04 05 19 16-0147	EA	6" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.91
04 05 19 16-0148	EA	7" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	2.96
04 05 19 16-0149	EA	9" Length, 1/4" Diameter, Mill Galvanized, Triangle Brick Tie.....	3.10
<b>04 05 19 16-0150</b>		<b>Seismic Veneer Anchors (04 05 19 16)</b>	
04 05 19 16-0151	EA	3-1/2" Length, 1-1/4" Width, Stainless Steel, Seismic Notch Veneer Anchor.....	6.51
		Note: For horizontal wire attachment. Excludes wire.	
<b>04 05 19 16-0152</b>		<b>Slip-Set, Joint Stabilization Anchors (04 05 19 16)</b>	
		Note: For restraining lateral movement at control joints. Field bendable.	
04 05 19 16-0153	EA	9-5/8" Length, 1-5/8" Width, Mill Galvanized, Slip-Set, Joint Stabilization Anchor.....	8.36
04 05 19 16-0154	EA	9-5/8" Length, 1-5/8" Width, Hot-Dipped Galvanized, Slip-Set, Joint Stabilization Anchor.....	9.06
04 05 19 16-0155	EA	9-5/8" Length, 1-5/8" Width, Stainless Steel, Slip-Set, Joint Stabilization Anchor.....	6.51
<b>04 05 19 16-0156</b>		<b>Strap Partition Top Anchors (04 05 19 16)</b>	
04 05 19 16-0157	EA	12 Gauge Strap, 3/8" Rod, Hot-Dipped Galvanized, Partition Top Anchor.....	4.83
04 05 19 16-0158	EA	12 Gauge Strap, 3/8" Rod, Stainless Steel, Partition Top Anchor.....	6.83
<b>04 05 19 16-0159</b>		<b>Rigid Partition Anchors (04 05 19 16)</b>	
<b>04 05 19 16-0160</b>		<b>Hot-Dipped Galvanized, Rigid Partition Anchors (04 05 19 16-0159)</b>	
04 05 19 16-0161	EA	1" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.66
04 05 19 16-0162	EA	1-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.96
04 05 19 16-0163	EA	1-1/2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.33
04 05 19 16-0164	EA	1-3/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.67
04 05 19 16-0165	EA	2" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.00
04 05 19 16-0166	EA	2-1/4" Width, 8" Length, 1/8" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.34
04 05 19 16-0167	EA	1" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	5.01
04 05 19 16-0168	EA	1-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	6.08
04 05 19 16-0169	EA	1-1/2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	7.16
04 05 19 16-0170	EA	1-3/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	8.24
04 05 19 16-0171	EA	2" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	9.31
04 05 19 16-0172	EA	2-1/4" Width, 8" Length, 1/4" Thick, Hot-Dipped Galvanized, U Or Z Style, Rigid Partition Anchor.....	10.39
<b>04 05 19 16-0173</b>		<b>Mill Galvanized, Rigid Partition Anchors (04 05 19 16-0159)</b>	
04 05 19 16-0174	EA	1" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.36
04 05 19 16-0175	EA	1-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.62
04 05 19 16-0176	EA	1-1/2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	3.89
04 05 19 16-0177	EA	1-3/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.15
04 05 19 16-0178	EA	2" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.41
04 05 19 16-0179	EA	2-1/4" Width, 8" Length, 1/8" Thick, Mill Galvanized, U Or Z Style, Rigid Partition Anchor.....	4.67
<b>04 05 19 16-0180</b>		<b>Screw-On Masonry Veneer Anchor Plates (04 05 19 16)</b>	
04 05 19 16-0181	EA	12 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	2.36
04 05 19 16-0182	EA	14 Gauge, Hot-Dipped Galvanized, Screw-On Masonry Veneer Anchor Plate.....	2.48
<b>04 05 19 16-0183</b>		<b>Wire Column Ties (04 05 19 16)</b>	
<b>04 05 19 16-0184</b>		<b>Hot-Dipped Galvanized, Wire Column Ties (04 05 19 16-0183)</b>	
04 05 19 16-0185	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.83
04 05 19 16-0186	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.01
04 05 19 16-0187	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.14
04 05 19 16-0188	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.32
04 05 19 16-0189	EA	10" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	2.98
04 05 19 16-0190	EA	12" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.14
04 05 19 16-0191	EA	14" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.25
04 05 19 16-0192	EA	16" Length, 3/16" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.37
04 05 19 16-0193	EA	3" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	3.77
04 05 19 16-0194	EA	5" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	4.08
04 05 19 16-0195	EA	7" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	4.29
04 05 19 16-0196	EA	9" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	4.58
04 05 19 16-0197	EA	10" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	4.08
04 05 19 16-0198	EA	12" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	4.29
04 05 19 16-0199	EA	14" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	4.47
04 05 19 16-0200	EA	16" Length, 1/4" Diameter, Hot-Dipped Galvanized, Wire Column Tie.....	4.67
<b>04 05 19 16-0201</b>		<b>Mill Galvanized, Wire Column Ties (04 05 19 16-0183)</b>	
04 05 19 16-0202	EA	3" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.51
04 05 19 16-0203	EA	5" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.62



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 05 19 16-0204	EA		7" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.69	
04 05 19 16-0205	EA		9" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.80	
04 05 19 16-0206	EA		10" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.56	
04 05 19 16-0207	EA		12" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.67	
04 05 19 16-0208	EA		14" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.74	
04 05 19 16-0209	EA		16" Length, 3/16" Diameter, Mill Galvanized, Wire Column Tie.....	2.83	
04 05 19 16-0210	EA		3" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	3.21	
04 05 19 16-0211	EA		5" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	3.41	
04 05 19 16-0212	EA		7" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	3.50	
04 05 19 16-0213	EA		9" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	3.70	
04 05 19 16-0214	EA		10" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	3.12	
04 05 19 16-0215	EA		12" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	3.46	
04 05 19 16-0216	EA		14" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	3.59	
04 05 19 16-0217	EA		16" Length, 1/4" Diameter, Mill Galvanized, Wire Column Tie.....	3.70	
<b>04 05 19 16-0218</b>			<b>Dovetail Anchors, Slots And Ties (04 05 19 16)</b>		
<b>04 05 19 16-0219</b>			<b>Dovetail Anchor Slots (04 05 19 16-0218)</b>		
<b>04 05 19 16-0220</b>			<b>Hot-Dipped Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0221	LF		24 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.18	
04 05 19 16-0222	LF		22 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	5.71	
04 05 19 16-0223	LF		20 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	6.02	
04 05 19 16-0224	LF		18 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	6.17	
04 05 19 16-0225	LF		16 Gauge, Hot-Dipped Galvanized, Dovetail Anchor Slot.....	6.53	
<b>04 05 19 16-0226</b>			<b>Mill Galvanized, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0227	LF		24 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	4.13	
04 05 19 16-0228	LF		22 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	4.80	
04 05 19 16-0229	LF		20 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	4.95	
04 05 19 16-0230	LF		18 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	5.18	
04 05 19 16-0231	LF		16 Gauge, Mill Galvanized, Dovetail Anchor Slot.....	5.33	
<b>04 05 19 16-0232</b>			<b>304 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0233	LF		24 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	4.69	
04 05 19 16-0234	LF		22 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.13	
04 05 19 16-0235	LF		20 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.28	
04 05 19 16-0236	LF		18 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	5.78	
04 05 19 16-0237	LF		16 Gauge, 304 Stainless Steel, Dovetail Anchor Slot.....	6.26	
<b>04 05 19 16-0238</b>			<b>316 Stainless Steel, Dovetail Anchor Slot (04 05 19 16-0219)</b>		
04 05 19 16-0239	LF		24 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.03	
04 05 19 16-0240	LF		22 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.37	
04 05 19 16-0241	LF		20 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	5.70	
04 05 19 16-0242	LF		18 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	6.13	
04 05 19 16-0243	LF		16 Gauge, 316 Stainless Steel, Dovetail Anchor Slot.....	6.38	
<b>04 05 19 16-0244</b>			<b>Dovetail Corrugated Brick Ties (04 05 19 16-0218)</b>		
<b>04 05 19 16-0245</b>			<b>Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)</b>		
04 05 19 16-0246	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.88	
04 05 19 16-0247	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.05	
04 05 19 16-0248	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.22	
04 05 19 16-0249	EA		3-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	1.92	
04 05 19 16-0250	EA		5-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.24	
04 05 19 16-0251	EA		7-1/2" Length, 1" Width, 14 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.48	
04 05 19 16-0252	EA		3-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.01	
04 05 19 16-0253	EA		5-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.23	
04 05 19 16-0254	EA		7-1/2" Length, 1" Width, 12 Gauge, Hot-Dipped Galvanized, Dovetail Corrugated Brick Tie.....	2.45	
<b>04 05 19 16-0255</b>			<b>Mill Galvanized, Dovetail Corrugated Brick Tie (04 05 19 16-0244)</b>		
04 05 19 16-0256	EA		3-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.73	
04 05 19 16-0257	EA		5-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.83	
04 05 19 16-0258	EA		7-1/2" Length, 1" Width, 16 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.94	
04 05 19 16-0259	EA		3-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.81	
04 05 19 16-0260	EA		5-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	2.02	
04 05 19 16-0261	EA		7-1/2" Length, 1" Width, 14 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	2.19	
04 05 19 16-0262	EA		3-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	1.85	
04 05 19 16-0263	EA		5-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	2.10	
04 05 19 16-0264	EA		7-1/2" Length, 1" Width, 12 Gauge, Mill Galvanized, Dovetail Corrugated Brick Tie.....	2.27	
<b>04 05 19 16-0265</b>			<b>Dovetail Stone Anchors (04 05 19 16-0218)</b>		
<b>04 05 19 16-0266</b>			<b>Hot-Dipped Galvanized, Dovetail Stone Anchors (04 05 19 16-0265)</b>		
04 05 19 16-0267	EA		3-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.24	
04 05 19 16-0268	EA		5-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.41	
04 05 19 16-0269	EA		7-1/2" Length, 1" Width, 16 Gauge, Hot-Dipped Galvanized, Dovetail Stone Anchor.....	2.59	

**04 Masonry**  
**04 05 Common Work Results for Masonry**  
**04 05 19 Masonry Anchorage and Reinforcing**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 05 19 16-0270		Dovetail Partition Top Anchors <small>(04 05 19 16-0218)</small>		
04 05 19 16-0271	EA	3/8" Rod, Hot-Dipped Galvanized, Dovetail Partition Top Anchor.....	5.05	
04 05 19 16-0272	EA	3/8" Rod, Stainless Steel, Dovetail Partition Top Anchor.....	7.38	
04 05 19 16-0273		Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0218)</small>		
04 05 19 16-0274		Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0273)</small>		
04 05 19 16-0275	EA	3" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.31	
04 05 19 16-0276	EA	5" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.54	
04 05 19 16-0277	EA	7" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.69	
04 05 19 16-0278	EA	9" Length, 3/16" Diameter, Hot-Dipped Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.85	
04 05 19 16-0279		Mill Galvanized, Dovetail Flexible Triangle Brick Ties <small>(04 05 19 16-0273)</small>		
04 05 19 16-0280	EA	3" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	2.99	
04 05 19 16-0281	EA	5" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.01	
04 05 19 16-0282	EA	7" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.11	
04 05 19 16-0283	EA	9" Length, 3/16" Diameter, Mill Galvanized, Dovetail Flexible Triangle Brick Tie.....	3.36	
04 05 19 26		<b>Masonry Reinforcing Bars</b> <small>(04 05 19)</small>		
		Note: Includes cutting and bending.		
04 05 19 26-0001		Plain Steel Masonry Reinforcement Bar <small>(04 05 19 26)</small>		
04 05 19 26-0002	LF	#3, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.56	
04 05 19 26-0003	LF	#4, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.52	
04 05 19 26-0004	LF	#5, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.53	
04 05 19 26-0005	LF	#6, Grade 40, Horizontal Placed, Steel Masonry Reinforcement Bar.....	4.56	
04 05 19 26-0006	LF	#3, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.58	
04 05 19 26-0007	LF	#4, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.56	
04 05 19 26-0008	LF	#5, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.58	
04 05 19 26-0009	LF	#6, Grade 50, Horizontal Placed, Steel Masonry Reinforcement Bar.....	4.63	
04 05 19 26-0010	LF	#3, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	1.60	
04 05 19 26-0011	LF	#4, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	2.61	
04 05 19 26-0012	LF	#5, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	3.66	
04 05 19 26-0013	LF	#6, Grade 60, Horizontal Placed, Steel Masonry Reinforcement Bar.....	4.75	
04 05 19 26-0014	LF	#3, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.87	
04 05 19 26-0015	LF	#4, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	2.98	
04 05 19 26-0016	LF	#5, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	4.17	
04 05 19 26-0017	LF	#6, Grade 40, Vertical Placed, Steel Masonry Reinforcement Bar.....	5.35	
04 05 19 26-0018	LF	#3, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.89	
04 05 19 26-0019	LF	#4, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.02	
04 05 19 26-0020	LF	#5, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	4.22	
04 05 19 26-0021	LF	#6, Grade 50, Vertical Placed, Steel Masonry Reinforcement Bar.....	5.42	
04 05 19 26-0022	LF	#3, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	1.91	
04 05 19 26-0023	LF	#4, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	3.07	
04 05 19 26-0024	LF	#5, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	4.30	
04 05 19 26-0025	LF	#6, Grade 60, Vertical Placed, Steel Masonry Reinforcement Bar.....	5.54	
04 05 19 26-0026		Galvanized Steel Masonry Reinforcement Bar <small>(04 05 19 26)</small>		
04 05 19 26-0027	LF	#3, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.75	
04 05 19 26-0028	LF	#4, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.86	
04 05 19 26-0029	LF	#5, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	4.05	
04 05 19 26-0030	LF	#6, Grade 40, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	5.31	
04 05 19 26-0031	LF	#3, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.77	
04 05 19 26-0032	LF	#4, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.89	
04 05 19 26-0033	LF	#5, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	4.11	
04 05 19 26-0034	LF	#6, Grade 50, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	5.39	
04 05 19 26-0035	LF	#3, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	1.79	
04 05 19 26-0036	LF	#4, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.94	
04 05 19 26-0037	LF	#5, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	4.18	
04 05 19 26-0038	LF	#6, Grade 60, Horizontal Placed, Galvanized Steel Masonry Reinforcement Bar.....	5.50	
04 05 19 26-0039	LF	#3, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.06	
04 05 19 26-0040	LF	#4, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.32	
04 05 19 26-0041	LF	#5, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	4.69	
04 05 19 26-0042	LF	#6, Grade 40, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	6.10	
04 05 19 26-0043	LF	#3, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.08	
04 05 19 26-0044	LF	#4, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.35	
04 05 19 26-0045	LF	#5, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	4.75	
04 05 19 26-0046	LF	#6, Grade 50, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	6.18	
04 05 19 26-0047	LF	#3, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	2.10	
04 05 19 26-0048	LF	#4, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	3.40	
04 05 19 26-0049	LF	#5, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	4.82	
04 05 19 26-0050	LF	#6, Grade 60, Vertical Placed, Galvanized Steel Masonry Reinforcement Bar.....	6.29	
04 05 19 26-0051		Epoxy-Coated Masonry Reinforcement Bar <small>(04 05 19 26)</small>		
04 05 19 26-0052	LF	#3, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.73	
04 05 19 26-0053	LF	#4, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.82	
04 05 19 26-0054	LF	#5, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	4.00	
04 05 19 26-0055	LF	#6, Grade 40, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	5.23	
04 05 19 26-0056	LF	#3, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 05 19 26-0057	LF	#4, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.86		
04 05 19 26-0058	LF	#5, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	4.05		
04 05 19 26-0059	LF	#6, Grade 50, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	5.31		
04 05 19 26-0060	LF	#3, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	1.77		
04 05 19 26-0061	LF	#4, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.91		
04 05 19 26-0062	LF	#5, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	4.13		
04 05 19 26-0063	LF	#6, Grade 60, Horizontal Placed, Epoxy-Coated Masonry Reinforcement Bar.....	5.42		
04 05 19 26-0064	LF	#3, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.04		
04 05 19 26-0065	LF	#4, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.28		
04 05 19 26-0066	LF	#5, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	4.64		
04 05 19 26-0067	LF	#6, Grade 40, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	6.02		
04 05 19 26-0068	LF	#3, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.05		
04 05 19 26-0069	LF	#4, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.32		
04 05 19 26-0070	LF	#5, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	4.69		
04 05 19 26-0071	LF	#6, Grade 50, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	6.10		
04 05 19 26-0072	LF	#3, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	2.08		
04 05 19 26-0073	LF	#4, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	3.37		
04 05 19 26-0074	LF	#5, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	4.77		
04 05 19 26-0075	LF	#6, Grade 60, Vertical Placed, Epoxy-Coated Masonry Reinforcement Bar.....	6.21		

**04 05 23 Masonry Accessories (04 05)**

**04 05 23 13 Masonry Control and Expansion Joints (04 05 23)**

04 05 23 13-0001		Masonry Control Joints (04 05 23 13)			
04 05 23 13-0002		Rubber, Masonry Control Joints (04 05 23 13-0001)			
04 05 23 13-0003	LF	1-5/8" Width, T-Style, Rubber, Masonry Control Joint.....	8.13		1.37
04 05 23 13-0004	LF	2-5/8" Width, Rubber, Masonry Control Joint.....	7.91		1.37
04 05 23 13-0005	LF	6-7/8" Width, Rubber, Masonry Control Joint.....	16.52		1.37

**04 05 23 13-0006 Polyvinyl Chloride (PVC), Masonry Control Joints (04 05 23 13-0001)**

04 05 23 13-0007	LF	1-5/8" Width, T-Style, Polyvinyl Chloride (PVC), Masonry Control Joint.....	5.06		1.37
04 05 23 13-0008	LF	2-5/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	5.24		1.37
04 05 23 13-0009	LF	4-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	6.62		1.37
04 05 23 13-0010	LF	6-7/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	7.34		1.37
04 05 23 13-0011	LF	11-1/8" Width, Polyvinyl Chloride (PVC), Masonry Control Joint.....	6.95		1.37

**04 05 23 16 Masonry Embedded Flashing (04 05 23)**

04 05 23 16-0001		Lead Coated Copper Through Wall Flashing (04 05 23 16)			
04 05 23 16-0002		Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)			
04 05 23 16-0003	SF	2 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.07		2.07
04 05 23 16-0004	SF	3 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.12		2.07
04 05 23 16-0005	SF	5 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	14.04		2.07
04 05 23 16-0006	SF	7 Ounce, Mastic Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	16.62		2.07

**04 05 23 16-0007 Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)**

04 05 23 16-0008	SF	2 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.09		2.07
04 05 23 16-0009	SF	3 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	12.04		2.07
04 05 23 16-0010	SF	5 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	15.41		2.07
04 05 23 16-0011	SF	7 Ounce, Fabric Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	18.51		2.07

**04 05 23 16-0012 Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing (04 05 23 16-0001)**

04 05 23 16-0013	SF	2 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	10.30		2.07
04 05 23 16-0014	SF	3 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	11.62		2.07
04 05 23 16-0015	SF	5 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	13.51		2.07
04 05 23 16-0016	SF	7 Ounce, Paper Backed 2 Sides, Lead Coated Copper Through Wall Flashing.....	17.46		2.07

**04 05 23 16-0017 Copper Through Wall Flashing (04 05 23 16)**

**04 05 23 16-0018 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)**

04 05 23 16-0019	SF	2 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	8.48		1.93
04 05 23 16-0020	SF	3 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	9.26		1.93
04 05 23 16-0021	SF	5 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	11.40		1.93
04 05 23 16-0022	SF	7 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	13.29		1.93
04 05 23 16-0023	SF	10 Ounce, 2 Sides Coated With Asphalt, Thru-Wall Copper Flashing.....	14.09		1.93

**04 05 23 16-0024 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing (04 05 23 16-0017)**

04 05 23 16-0025	SF	2 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	9.25		1.93
04 05 23 16-0026	SF	3 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	9.93		1.93
04 05 23 16-0027	SF	5 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	12.41		1.93
04 05 23 16-0028	SF	7 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	14.67		1.93
04 05 23 16-0029	SF	10 Ounce, 2 Sides Glass Fabric And Asphalt, Thru-Wall Copper Flashing.....	16.01		1.93

**04 Masonry****04 05 Common Work Results for Masonry****04 05 23 Masonry Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>04 05 23 16-0030</b>	<b>1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0031	SF 2 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.57	1.93
04 05 23 16-0032	SF 3 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	9.35	1.93
04 05 23 16-0033	SF 5 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	11.48	1.93
04 05 23 16-0034	SF 7 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	13.37	1.93
04 05 23 16-0035	SF 10 Ounce, 1 Side Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	14.17	1.93
<b>04 05 23 16-0036</b>	<b>2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0037	SF 2 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	8.67	1.93
04 05 23 16-0038	SF 3 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	9.62	1.93
04 05 23 16-0039	SF 5 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	11.01	1.93
04 05 23 16-0040	SF 7 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	13.91	1.93
04 05 23 16-0041	SF 10 Ounce, 2 Sides Kraft Paper And Asphalt, Thru-Wall Copper Flashing .....	10.06	1.93
<b>04 05 23 16-0042</b>	<b>2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
04 05 23 16-0043	SF 3 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	11.84	1.93
04 05 23 16-0044	SF 5 Ounce, 2 Sides Kraft Paper Reinforced With Glass Fabric And Asphalt, Thru-Wall Copper Flashing .....	14.70	1.93
<b>04 05 23 16-0045</b>	<b>2 Sides Glass Fabric, Thru-Wall Copper Flashing</b> (04 05 23 16-0017)		
	Note: Glass fabric is bonded to both sides with a non-asphaltic adhesive.		
04 05 23 16-0046	SF 3 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	10.19	1.93
04 05 23 16-0047	SF 5 Ounce, 2 Sides Glass Fabric, Thru-Wall Copper Flashing .....	12.74	1.93
<b>04 05 23 16-0048</b>	<b>Stainless Steel Through Wall Flashing</b> (04 05 23 16)		
<b>04 05 23 16-0049</b>	<b>Paper Backed 2 Sides, Stainless Steel Through Wall Flashing</b> (04 05 23 16-0048)		
04 05 23 16-0050	SF 0.005" Thick Paper Backed 2 Sides, Stainless Steel Through Wall Flashing .....	7.13	1.93
<b>04 05 23 16-0051</b>	<b>Polyvinyl Chloride (PVC) Through Wall Flashing</b> (04 05 23 16)		
04 05 23 16-0052	SF 0.010" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.56	1.83
04 05 23 16-0053	SF 0.020" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	4.92	1.83
04 05 23 16-0054	SF 0.030" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	5.34	1.83
04 05 23 16-0055	SF 0.056" Thick Black Polyvinyl Chloride (PVC) Through Wall Flashing .....	6.72	1.83

**04 05 23 19 Masonry Cavity Drainage, Weepholes, and Vents** (04 05 23)

<b>04 05 23 19-0001</b>	<b>Brick Vents, 4" Deep, With Insect Screen</b> (04 05 23 19)		
	Note: 0.100" nominal wall thickness, three mortar ribs on top and bottom of frame.		
04 05 23 19-0002	EA 8-1/8" x 2-3/8" Aluminum Brick Vent .....	90.38	
04 05 23 19-0003	EA 8-1/8" x 4-3/4" Aluminum Brick Vent .....	111.98	
04 05 23 19-0004	EA 8-1/8" x 7-3/4" Aluminum Brick Vent .....	141.03	
04 05 23 19-0005	EA 12" x 2-3/8" Aluminum Brick Vent .....	110.12	
04 05 23 19-0006	EA 12" x 4-3/4" Aluminum Brick Vent .....	135.88	
04 05 23 19-0007	EA 12" x 7-3/4" Aluminum Brick Vent .....	171.63	
04 05 23 19-0008	EA 16-1/2" x 2-3/8" Aluminum Brick Vent .....	129.87	
04 05 23 19-0009	EA 16-1/2" x 4-3/4" Aluminum Brick Vent .....	175.51	
04 05 23 19-0010	EA 16-1/2" x 7-3/4" Aluminum Brick Vent .....	213.99	
04 05 23 19-0011	EA 24" x 2-3/8" Aluminum Brick Vent .....	175.49	
04 05 23 19-0012	EA 24" x 4-3/4" Aluminum Brick Vent .....	228.37	
04 05 23 19-0013	EA 24" x 7-3/4" Aluminum Brick Vent .....	280.33	

**04 20 Unit Masonry** (04)

Note: Includes finishing joints (pointing) and cleaning of new brick and mortar. Cutting of new bricks/blocks to size. Weep holes and wicking material.

**04 21 Clay Unit Masonry** (04 20)**04 21 13 Brick Masonry** (04 21)

Note: Includes brick and mortar. See CSI section 04 05 19 13-0000 for reinforcing, 04 05 19 16-0000 for masonry anchors.

<b>04 21 13 00-0001</b>	<b>Brick Masonry</b> (04 21 13)		
04 21 13 00-0002	SF Standard Size Red Brick, Running Bond .....	31.26	
	Note: Standard size brick, 3-5/8" x 2-1/4" x 8". (6.55 Bricks/SF)		
	For Buff Or Gray, Add	1.02	
	For Common Or American Bond, Add	1.01	
	For English Bond, Add	2.01	
	For Flemish Bond, Add	4.08	
	For Curved Wall, Add	5.03	
	For Stacked Bond, Add	2.82	
	For Corbels, Add	18.86	
	For Severe Weather (SW) Brick, Add	0.92	
	For <10, Small Area Replacements (Individual Areas), Add	38.02	
	For Glazed Brick, Add	21.42	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 21 13 00-0003 SF Engineer Standard Size Red Brick, Running Bond.....	32.15	
Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8". (5.39 Bricks/SF)		
For Buff Or Gray, Add	1.26	
For Common Or American Bond, Add	0.98	
For English Bond, Add	1.97	
For Flemish Bond, Add	4.06	
For Curved Wall, Add	4.91	
For Stacked Bond, Add	2.84	
For Corbels, Add	18.43	
For Severe Weather (SW) Brick, Add	1.14	
For <10, Small Area Replacements (Individual Areas), Add	37.23	
For Glazed Brick, Add	26.53	
04 21 13 00-0004 SF Modular Size Red Brick, Running Bond.....	31.26	
Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8". (6.75 Bricks/SF)		
For Buff Or Gray, Add	1.02	
For Common Or American Bond, Add	1.01	
For English Bond, Add	2.01	
For Flemish Bond, Add	4.08	
For Curved Wall, Add	5.03	
For Stacked Bond, Add	2.82	
For Corbels, Add	18.86	
For Severe Weather (SW) Brick, Add	0.92	
For <10, Small Area Replacements (Individual Areas), Add	38.02	
For Glazed Brick, Add	21.42	
04 21 13 00-0005 SF Engineer Modular Size Red Brick, Running Bond .....	32.15	
Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8". (5.63 Bricks/SF)		
For Buff Or Gray, Add	1.26	
For Common Or American Bond, Add	0.98	
For English Bond, Add	1.97	
For Flemish Bond, Add	4.06	
For Curved Wall, Add	4.91	
For Stacked Bond, Add	2.84	
For Corbels, Add	18.43	
For Severe Weather (SW) Brick, Add	1.14	
For <10, Small Area Replacements (Individual Areas), Add	37.23	
For Glazed Brick, Add	26.53	
04 21 13 00-0006 SF Economy Size Red Brick, Running Bond.....	31.95	
Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8". (4.5 Bricks/SF)		
For Buff Or Gray, Add	1.23	
For Common Or American Bond, Add	0.98	
For English Bond, Add	1.97	
For Flemish Bond, Add	4.05	
For Curved Wall, Add	4.91	
For Stacked Bond, Add	2.83	
For Corbels, Add	18.43	
For Severe Weather (SW) Brick, Add	1.11	
For <10, Small Area Replacements (Individual Areas), Add	37.22	
For Glazed Brick, Add	25.83	
04 21 13 00-0007 SF Utility Size Red Brick, Running Bond.....	23.48	
Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8". (3.0 Bricks/SF)		
For Buff Or Gray, Add	1.05	
For Common Or American Bond, Add	0.69	
For English Bond, Add	1.37	
For Flemish Bond, Add	2.89	
For Curved Wall, Add	3.43	
For Stacked Bond, Add	2.03	
For Corbels, Add	12.87	
For Severe Weather (SW) Brick, Add	0.95	
For <10, Small Area Replacements (Individual Areas), Add	26.06	
For Glazed Brick, Add	22.12	
04 21 13 00-0008 SF Double Utility Size Red Brick, Running Bond .....	21.59	
Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8". (1.5 Bricks/SF)		
For Buff Or Gray, Add	0.74	
For Common Or American Bond, Add	0.69	
For English Bond, Add	1.37	
For Flemish Bond, Add	2.80	
For Curved Wall, Add	3.43	
For Stacked Bond, Add	1.94	
For Corbels, Add	12.87	
For Severe Weather (SW) Brick, Add	0.66	
For <10, Small Area Replacements (Individual Areas), Add	25.96	
For Glazed Brick, Add	15.51	
04 21 13 00-0009 SF Norman Size Red Brick, Running Bond.....	32.53	
Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8". (4.5 Bricks/SF)		
For Buff Or Gray, Add	1.33	
For Common Or American Bond, Add	0.98	
For English Bond, Add	1.97	
For Flemish Bond, Add	4.08	
For Curved Wall, Add	4.91	
For Stacked Bond, Add	2.86	
For Corbels, Add	18.43	
For Severe Weather (SW) Brick, Add	1.19	
For <10, Small Area Replacements (Individual Areas), Add	37.25	
For Glazed Brick, Add	27.86	



**04 Masonry****04 20 Unit Masonry****04 21 Clay Unit Masonry**MINOR  
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04 21 13 00-0010	SF	Roman Size Red Brick, Running Bond .....	34.20	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8". (6.0 Bricks/SF)		
		For Buff Or Gray, Add	1.61	
		For Common Or American Bond, Add	0.98	
		For English Bond, Add	1.97	
		For Flemish Bond, Add	4.17	
		For Curved Wall, Add	4.91	
		For Stacked Bond, Add	2.94	
		For Corbels, Add	18.43	
		For Severe Weather (SW) Brick, Add	1.44	
		For <10, Small Area Replacements (Individual Areas), Add	37.34	
		For Glazed Brick, Add	33.71	
<b>04 21 13 00-0011</b>		<b>Fire Brick (04 21 13)</b>		
04 21 13 00-0012	SF	Running Bond, Red Fire Brick .....	35.88	
		For Buff Or Gray, Add	1.89	
		For Common Or American Bond, Add	0.98	
		For English Bond, Add	1.97	
		For Flemish Bond, Add	4.25	
		For Stacked Bond, Add	3.02	
		For <10, Small Area Replacements (Individual Areas), Add	37.42	
<b>04 21 13 00-0013</b>		<b>Window Sill (04 21 13)</b>		
04 21 13 00-0014	LF	Standard Size Red Brick, Window Sill .....	28.60	
		Note: Standard size brick, 3-5/8" x 2-1/4" x 8", placed on edge.		
		For Buff Or Gray, Add	0.28	
04 21 13 00-0015	LF	Engineer Standard Size Red Brick, Window Sill .....	28.81	
		Note: Engineer standard size brick, 3-5/8" x 2-3/4" x 8", placed on edge.		
		For Buff Or Gray, Add	0.32	
04 21 13 00-0016	LF	Modular Size Red Brick, Window Sill .....	28.60	
		Note: Modular size brick, 3-5/8" x 2-1/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.28	
04 21 13 00-0017	LF	Engineer Modular Size Red Brick, Window Sill .....	28.94	
		Note: Engineer modular size brick, 3-5/8" x 2-3/4" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.34	
04 21 13 00-0018	LF	Economy Size Red Brick, Window Sill .....	29.83	
		Note: Economy size brick, 3-5/8" x 3-5/8" x 7-5/8", placed on edge.		
		For Buff Or Gray, Add	0.49	
04 21 13 00-0019	LF	Utility Size Red Brick, Window Sill .....	30.01	
		Note: Utility size brick, 3-5/8" x 3-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.52	
04 21 13 00-0020	LF	Double Utility Size Red Brick, Window Sill .....	30.01	
		Note: Double utility size brick, 3-5/8" x 7-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.52	
04 21 13 00-0021	LF	Norman Size Red Brick, Window Sill .....	29.06	
		Note: Norman size brick, 3-5/8" x 2-1/4" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.36	
04 21 13 00-0022	LF	Roman Size Red Brick, Window Sill .....	29.15	
		Note: Roman size brick, 3-5/8" x 1-5/8" x 11-5/8", placed on edge.		
		For Buff Or Gray, Add	0.38	
<b>04 21 19</b>		<b>Clay Tile Masonry (04 21)</b>		
04 21 19 00-0001		Scored Face, Hollow, Clay Backing Tile (04 21 19)		
04 21 19 00-0002		Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0003	SF	4" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	28.48	
		For Smooth Face, One Side, Add	1.73	
		For Smooth Face, Two Sides, Add	2.88	
04 21 19 00-0004	SF	6" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	30.90	
		For Smooth Face, One Side, Add	1.91	
		For Smooth Face, Two Sides, Add	3.20	
04 21 19 00-0005	SF	8" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	34.54	
		For Smooth Face, One Side, Add	2.21	
		For Smooth Face, Two Sides, Add	3.72	
04 21 19 00-0006	SF	10" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	46.91	
		For Smooth Face, One Side, Add	3.37	
		For Smooth Face, Two Sides, Add	5.80	
04 21 19 00-0007	SF	12" Thick Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	61.23	
		For Smooth Face, One Side, Add	4.67	
		For Smooth Face, Two Sides, Add	8.12	
04 21 19 00-0008		Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile (04 21 19 00-0001)		
04 21 19 00-0009	SF	3" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	23.94	
		For Smooth Face, One Side, Add	1.40	
		For Smooth Face, Two Sides, Add	2.31	
04 21 19 00-0010	SF	4" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	28.43	
		For Smooth Face, One Side, Add	1.80	
		For Smooth Face, Two Sides, Add	3.03	
04 21 19 00-0011	SF	6" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	29.22	
		For Smooth Face, One Side, Add	1.83	
		For Smooth Face, Two Sides, Add	3.07	
04 21 19 00-0012	SF	8" Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	43.90	
		For Smooth Face, One Side, Add	3.21	
		For Smooth Face, Two Sides, Add	5.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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04 21 19 00-0013	SF	12"	Thick Non-Load Bearing, Scored Face, Hollow, Clay Backing Tile .....	59.41	
			<i>For Smooth Face, One Side, Add</i>	4.62	
			<i>For Smooth Face, Two Sides, Add</i>	8.05	

**04 21 26 Glazed Structural Clay Tile Masonry (04 21)**

Note: Includes tile and mortar in all colors.

04 21 26 00-0001			6T Series Structural Glazed Clay Tile (04 21 26)		
04 21 26 00-0002			Glazed On One Side 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)		
04 21 26 00-0003	SF	2"	Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" .....	38.42	
			<i>For Stacked Bond, Add</i>	2.69	
04 21 26 00-0004	SF	4"	Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" .....	42.43	
			<i>For Stacked Bond, Add</i>	2.69	
04 21 26 00-0005	SF	6"	Thick 1 Sided 6T Series Structural Glazed Clay Tile, 5-1/3" x 12" .....	50.92	
			<i>For Stacked Bond, Add</i>	2.81	

**04 21 26 00-0006 Special Shapes 6T Series Structural Glazed Clay Tile (04 21 26 00-0001)**

04 21 26 00-0007	LF		Bullnose, Jamb Or Sill Shapes 6T Series Structural Glazed Clay Tile .....	40.92	
			<i>For Stacked Bond, Add</i>	3.18	
04 21 26 00-0008	LF	2" Or 4"	Cove Base 6T Series Structural Glazed Clay Tile .....	47.60	
			<i>For Stacked Bond, Add</i>	3.18	

**04 21 26 00-0009 8W Series Structural Glazed Clay Tile (04 21 26)**

04 21 26 00-0010			Glazed On One Side 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)		
04 21 26 00-0011	SF	2"	Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" .....	29.40	
			<i>For Stacked Bond, Add</i>	1.71	
04 21 26 00-0012	SF	4"	Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" .....	36.00	
			<i>For Stacked Bond, Add</i>	1.83	
04 21 26 00-0013	SF	6"	Thick 1 Sided 8W Series Structural Glazed Clay Tile, 8" x 16" .....	48.64	
			<i>For Stacked Bond, Add</i>	1.96	

**04 21 26 00-0014 Special Shapes 8W Series Structural Glazed Clay Tile (04 21 26 00-0009)**

04 21 26 00-0015	LF		Bullnose, Jamb Or Sill Shapes 8W Series Structural Glazed Clay Tile .....	39.94	
			<i>For Stacked Bond, Add</i>	2.20	
04 21 26 00-0016	LF	2" Or 4"	Cove Base 8W Series Structural Glazed Clay Tile .....	39.88	
			<i>For Stacked Bond, Add</i>	2.20	

**04 21 26 00-0017 4W Series Structural Glazed Clay Tile (04 21 26)**

04 21 26 00-0018			Glazed On One Side 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)		
04 21 26 00-0019	SF	2"	Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" .....	39.93	
			<i>For Stacked Bond, Add</i>	2.69	
04 21 26 00-0020	SF	4"	Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" .....	41.93	
			<i>For Stacked Bond, Add</i>	2.69	
04 21 26 00-0021	SF	6"	Thick 1 Sided 4W Series Structural Glazed Tile, 8" x 8" .....	51.18	
			<i>For Stacked Bond, Add</i>	2.81	

**04 21 26 00-0022 Special Shapes 4W Series Structural Glazed Clay Tile (04 21 26 00-0017)**

04 21 26 00-0023	LF		Bullnose, Jamb Or Sill Shapes 4W Series Structural Glazed Clay Tile .....	42.14	
			<i>For Stacked Bond, Add</i>	3.18	
04 21 26 00-0024	LF	2" Or 4"	Cove Base 4W Series Structural Glazed Clay Tile .....	47.49	
			<i>For Stacked Bond, Add</i>	3.18	

**04 21 26 00-0025 6T Series Sound Absorbing Structural Glazed Tile (04 21 26)**

04 21 26 00-0026	SF	4"	Thick, 6T Sound Absorbing Structural Glazed Tile .....	41.43	
04 21 26 00-0027	SF	6"	Thick, 6T Sound Absorbing Structural Glazed Tile .....	44.65	
04 21 26 00-0028	SF	8"	Thick, 6T Sound Absorbing Structural Glazed Tile .....	52.13	

**04 21 26 00-0029 8T Series Sound Absorbing Structural Glazed Tile (04 21 26)**

04 21 26 00-0030	SF	4"	Thick, 8T Sound Absorbing Structural Glazed Tile .....	43.63	
04 21 26 00-0031	SF	6"	Thick, 8T Sound Absorbing Structural Glazed Tile .....	48.93	
04 21 26 00-0032	SF	8"	Thick, 8T Acoustical Glazed Tile .....	58.28	

**04 21 29 Terra Cotta Masonry (04 21)**

04 21 29 00-0001			Coping (04 21 29)		
			Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts.		
04 21 29 00-0002	SF		Terra Cotta Coping .....	133.55	51.43

**04 22 Concrete Unit Masonry (04 20)**

Note: Includes block and mortar. Excludes horizontal and vertical reinforcing. See CSI section 04 05 19 13-0000 for joint reinforcing.

**04 22 23 Architectural Concrete Unit Masonry (04 22)**

**04 22 23 13 Exposed Aggregate Concrete Unit Masonry (04 22 23)**

**04 Masonry****04 20 Unit Masonry****04 22 Concrete Unit Masonry**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23	13-0001		Concrete Blocks (04 22 23 13)		
04 22 23	13-0002		Lightweight Concrete Blocks (04 22 23 13-0001)		
04 22 23	13-0003		Cored, Lightweight, Concrete Blocks (04 22 23 13-0002)		
04 22 23	13-0004	SF	4" x 8" x 16", Cored, Lightweight, Concrete Block ..... 15.29		
			For Stacked Bond, Add	3.38	
			For Scored Block, Add	0.46	
			For Curved Wall Application, Add	2.60	
			For <10, Small Area Replacements (Individual Areas), Add	19.66	
04 22 23	13-0005	SF	6" x 8" x 16", Cored, Lightweight, Concrete Block ..... 16.99		
			For Stacked Bond, Add	3.66	
			For Scored Block, Add	0.59	
			For Curved Wall Application, Add	2.81	
			For <10, Small Area Replacements (Individual Areas), Add	21.31	
04 22 23	13-0006	SF	8" x 8" x 16", Cored, Lightweight, Concrete Block ..... 18.38		
			For Stacked Bond, Add	3.92	
			For Scored Block, Add	0.66	
			For Curved Wall Application, Add	3.02	
			For <10, Small Area Replacements (Individual Areas), Add	22.88	
04 22 23	13-0007	SF	10" x 8" x 16", Cored, Lightweight, Concrete Block ..... 20.19		
			For Stacked Bond, Add	4.11	
			For Scored Block, Add	0.88	
			For Curved Wall Application, Add	3.16	
			For <10, Small Area Replacements (Individual Areas), Add	24.03	
04 22 23	13-0008	SF	12" x 8" x 16", Cored, Lightweight, Concrete Block ..... 23.82		
			For Stacked Bond, Add	4.97	
			For Scored Block, Add	0.94	
			For Curved Wall Application, Add	3.82	
			For <10, Small Area Replacements (Individual Areas), Add	29.00	
04 22 23	13-0009		Solid, Lightweight, Concrete Blocks (04 22 23 13-0002)		
04 22 23	13-0010	SF	4" x 8" x 16", Solid, Lightweight, Concrete Block ..... 16.40		
			For Stacked Bond, Add	3.47	
			For Scored Block, Add	0.61	
			For Curved Wall Application, Add	2.67	
			For <10, Small Area Replacements (Individual Areas), Add	20.23	
04 22 23	13-0011	SF	6" x 8" x 16", Solid, Lightweight, Concrete Block ..... 17.99		
			For Stacked Bond, Add	3.81	
			For Scored Block, Add	0.67	
			For Curved Wall Application, Add	2.93	
			For <10, Small Area Replacements (Individual Areas), Add	22.24	
04 22 23	13-0012	SF	8" x 8" x 16", Solid, Lightweight, Concrete Block ..... 19.00		
			For Stacked Bond, Add	4.05	
			For Scored Block, Add	0.69	
			For Curved Wall Application, Add	3.11	
			For <10, Small Area Replacements (Individual Areas), Add	23.60	
04 22 23	13-0013	SF	10" x 8" x 16", Solid, Lightweight, Concrete Block ..... 21.05		
			For Stacked Bond, Add	4.24	
			For Scored Block, Add	0.95	
			For Curved Wall Application, Add	3.26	
			For <10, Small Area Replacements (Individual Areas), Add	24.79	
04 22 23	13-0014	SF	12" x 8" x 16", Solid, Lightweight, Concrete Block ..... 24.82		
			For Stacked Bond, Add	5.13	
			For Scored Block, Add	1.02	
			For Curved Wall Application, Add	3.95	
			For <10, Small Area Replacements (Individual Areas), Add	29.99	
04 22 23	13-0015		Normal Weight Concrete Blocks (04 22 23 13-0001)		
04 22 23	13-0016		Cored, Normal Weight, Concrete Blocks (04 22 23 13-0015)		
04 22 23	13-0017	SF	4" x 8" x 16", Cored, Normal Weight, Concrete Block ..... 15.63		
			For Stacked Bond, Add	3.47	
			For Scored Block, Add	0.46	
			For Curved Wall Application, Add	2.67	
			For <10, Small Area Replacements (Individual Areas), Add	20.17	
			For 3,500 PSI, Add	0.48	
			For 5,000 PSI, Add	0.83	
04 22 23	13-0018	SF	6" x 8" x 16", Cored, Normal Weight, Concrete Block ..... 17.29		
			For Stacked Bond, Add	3.81	
			For Scored Block, Add	0.53	
			For Curved Wall Application, Add	2.93	
			For <10, Small Area Replacements (Individual Areas), Add	22.19	
			For 3,500 PSI, Add	0.55	
			For 5,000 PSI, Add	0.95	
04 22 23	13-0019	SF	8" x 8" x 16", Cored, Normal Weight, Concrete Block ..... 18.60		
			For Stacked Bond, Add	4.05	
			For Scored Block, Add	0.61	
			For Curved Wall Application, Add	3.11	
			For <10, Small Area Replacements (Individual Areas), Add	23.57	
			For 3,500 PSI, Add	0.64	
			For 5,000 PSI, Add	1.09	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 13-0020 SF 10" x 8" x 16", Cored, Normal Weight, Concrete Block.....	22.14	
For Stacked Bond, Add	4.24	
For Scored Block, Add	1.17	
For Curved Wall Application, Add	3.26	
For <10, Small Area Replacements (Individual Areas), Add	24.87	
For 3,500 PSI, Add	1.23	
For 5,000 PSI, Add	2.11	
04 22 23 13-0021 SF 12" x 8" x 16", Cored, Normal Weight, Concrete Block.....	25.78	
For Stacked Bond, Add	5.13	
For Scored Block, Add	1.21	
For Curved Wall Application, Add	3.95	
For <10, Small Area Replacements (Individual Areas), Add	30.06	
For 3,500 PSI, Add	1.27	
For 5,000 PSI, Add	2.17	
<b>04 22 23 13-0022 Solid, Normal Weight, Concrete Blocks (04 22 23 13-0015)</b>		
04 22 23 13-0023 SF 4" x 8" x 16", Solid, Normal Weight, Concrete Block.....	16.62	
For Stacked Bond, Add	3.56	
For Scored Block, Add	0.59	
For Curved Wall Application, Add	2.74	
For <10, Small Area Replacements (Individual Areas), Add	20.75	
For 3,500 PSI, Add	0.62	
For 5,000 PSI, Add	1.05	
04 22 23 13-0024 SF 6" x 8" x 16", Solid, Normal Weight, Concrete Block.....	17.80	
For Stacked Bond, Add	3.92	
For Scored Block, Add	0.54	
For Curved Wall Application, Add	3.02	
For <10, Small Area Replacements (Individual Areas), Add	22.84	
For 3,500 PSI, Add	0.57	
For 5,000 PSI, Add	0.98	
04 22 23 13-0025 SF 8" x 8" x 16", Solid, Normal Weight, Concrete Block.....	19.19	
For Stacked Bond, Add	4.17	
For Scored Block, Add	0.63	
For Curved Wall Application, Add	3.21	
For <10, Small Area Replacements (Individual Areas), Add	24.30	
For 3,500 PSI, Add	0.66	
For 5,000 PSI, Add	1.13	
04 22 23 13-0026 SF 10" x 8" x 16", Solid, Normal Weight, Concrete Block.....	21.04	
For Stacked Bond, Add	4.38	
For Scored Block, Add	0.84	
For Curved Wall Application, Add	3.37	
For <10, Small Area Replacements (Individual Areas), Add	25.56	
For 3,500 PSI, Add	0.88	
For 5,000 PSI, Add	1.52	
04 22 23 13-0027 SF 12" x 8" x 16", Solid, Normal Weight, Concrete Block.....	24.81	
For Stacked Bond, Add	5.31	
For Scored Block, Add	0.88	
For Curved Wall Application, Add	4.08	
For <10, Small Area Replacements (Individual Areas), Add	30.96	
For 3,500 PSI, Add	0.92	
For 5,000 PSI, Add	1.58	
<b>04 22 23 13-0028 Bond Beam Or Lintel Concrete Blocks (04 22 23 13)</b>		
<b>04 22 23 13-0029 Lightweight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)</b>		
Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0030 LF 6" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	17.67	
For Stacked Bond, Add	3.66	
For Grout And Fill With 2 #5 Rebar, Add	10.64	
For Scored Block, Add	0.72	
For Curved Wall Application, Add	2.81	
04 22 23 13-0031 LF 8" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	19.45	
For Stacked Bond, Add	3.92	
For Grout And Fill With 2 #5 Rebar, Add	11.91	
For Scored Block, Add	0.87	
For Curved Wall Application, Add	3.02	
04 22 23 13-0032 LF 12" x 8" x 16", Lightweight, Bond Beam Or Lintel Concrete Block.....	23.74	
For Stacked Bond, Add	4.97	
For Grout And Fill With 2 #5 Rebar, Add	14.19	
For Scored Block, Add	0.93	
For Curved Wall Application, Add	3.82	
<b>04 22 23 13-0033 Normal Weight, Bond Beam Or Lintel Concrete Blocks (04 22 23 13-0028)</b>		
Note: Excludes concrete fill and reinforcing. See CSI section 04 05 16 26-0000 for concrete fill.		
04 22 23 13-0034 LF 6" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	17.75	
For Stacked Bond, Add	3.81	
For Grout And Fill With 2 #5 Rebar, Add	10.42	
For Scored Block, Add	0.62	
For Curved Wall Application, Add	2.93	
For 3,500 PSI, Add	0.65	
For 5,000 PSI, Add	1.11	
04 22 23 13-0035 LF 8" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	19.40	
For Stacked Bond, Add	4.05	
For Grout And Fill With 2 #5 Rebar, Add	11.62	
For Scored Block, Add	0.77	
For Curved Wall Application, Add	3.11	
For 3,500 PSI, Add	0.81	
For 5,000 PSI, Add	1.38	

**04 Masonry****04 20 Unit Masonry****04 22 Concrete Unit Masonry**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

04 22 23 13-0036	LF 12" x 8" x 16", Normal Weight, Bond Beam Or Lintel Concrete Block .....	23.86
	For Stacked Bond, Add	5.13
	For Grout And Fill With 2 #5 Rebar, Add	13.99
	For Scored Block, Add	0.82
	For Curved Wall Application, Add	3.95
	For 3,500 PSI, Add	0.87
	For 5,000 PSI, Add	1.48

**04 22 23 23 Prefaced Concrete Unit Masonry (04 22 23)****04 22 23 23-0001 Ground Face Concrete Blocks (04 22 23 23)**

04 22 23 23-0002	SF 4" x 8" x 16", Ground Face, Concrete Block .....	19.98
	For Stacked Bond, Add	4.24
	For Scored Block, Add	0.74
	For Curved Wall Application, Add	3.26
	For <10, Small Area Replacements (Individual Areas), Add	24.71
04 22 23 23-0003	SF 6" x 8" x 16", Ground Face, Concrete Block .....	22.54
	For Stacked Bond, Add	4.77
	For Scored Block, Add	0.84
	For Curved Wall Application, Add	3.67
	For <10, Small Area Replacements (Individual Areas), Add	27.81
04 22 23 23-0004	SF 8" x 8" x 16", Ground Face, Concrete Block .....	24.35
	For Stacked Bond, Add	5.04
	For Scored Block, Add	1.00
	For Curved Wall Application, Add	3.87
	For <10, Small Area Replacements (Individual Areas), Add	29.43
04 22 23 23-0005	SF 10" x 8" x 16", Ground Face, Concrete Block .....	26.02
	For Stacked Bond, Add	5.34
	For Scored Block, Add	1.10
	For Curved Wall Application, Add	4.11
	For <10, Small Area Replacements (Individual Areas), Add	31.21
04 22 23 23-0006	SF 12" x 8" x 16", Ground Face, Concrete Block .....	30.67
	For Stacked Bond, Add	6.41
	For Scored Block, Add	1.20
	For Curved Wall Application, Add	4.93
	For <10, Small Area Replacements (Individual Areas), Add	37.46

**04 22 23 26 Sound-Absorbing Concrete Unit Masonry (04 22 23)****04 22 23 26-0001 Slotted, Acoustical Concrete Block (04 22 23 26)**

04 22 23 26-0002	SF 4" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	26.49
	For Stacked Bond, Add	4.24
	For Curved Wall Application, Add	3.26
	For <10, Small Area Replacements (Individual Areas), Add	25.20
04 22 23 26-0003	SF 6" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	29.66
	For Stacked Bond, Add	4.60
	For Curved Wall Application, Add	3.54
	For <10, Small Area Replacements (Individual Areas), Add	27.45
04 22 23 26-0004	SF 8" x 8" x 16", .45 - .55 NRC, Slotted, Acoustical Concrete Block .....	34.11
	For Stacked Bond, Add	5.04
	For Curved Wall Application, Add	3.87
	For <10, Small Area Replacements (Individual Areas), Add	30.16

**04 22 23 29 Split-Face Concrete Unit Masonry (04 22 23)****04 22 23 29-0001 Split Face, Concrete Blocks (04 22 23 29)****04 22 23 29-0002 Plain Or Scored, Split Face, Concrete Blocks (04 22 23 29-0001)**

04 22 23 29-0003	SF 4" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	20.42
	For Stacked Bond, Add	4.24
	For Curved Wall Application, Add	3.26
	For <10, Small Area Replacements (Individual Areas), Add	24.74
04 22 23 29-0004	SF 6" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	23.05
	For Stacked Bond, Add	4.77
	For Curved Wall Application, Add	3.67
	For <10, Small Area Replacements (Individual Areas), Add	27.85
04 22 23 29-0005	SF 8" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	24.93
	For Stacked Bond, Add	5.04
	For Curved Wall Application, Add	3.87
	For <10, Small Area Replacements (Individual Areas), Add	29.47
04 22 23 29-0006	SF 10" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	26.71
	For Stacked Bond, Add	5.34
	For Curved Wall Application, Add	4.11
	For <10, Small Area Replacements (Individual Areas), Add	31.26
04 22 23 29-0007	SF 12" x 8" x 16", Plain Or Scored, Split Face, Concrete Block .....	31.08
	For Stacked Bond, Add	6.41
	For Curved Wall Application, Add	4.93
	For <10, Small Area Replacements (Individual Areas), Add	37.49

**04 22 23 29-0008 Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Blocks (04 22 23 29-0001)**

04 22 23 29-0009	SF 4" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block .....	21.46
	For Stacked Bond, Add	4.24
	For Grout And Fill With 2 #5 Rebar, Add	13.32
	For Curved Wall Application, Add	3.26
	For <10, Small Area Replacements (Individual Areas), Add	24.82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
04 22 23 29-0010 SF 6" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	24.23	
For Stacked Bond, Add	4.77	
For Grout And Fill With 2 #5 Rebar, Add	15.07	
For Curved Wall Application, Add	3.67	
For <10, Small Area Replacements (Individual Areas), Add	27.94	
04 22 23 29-0011 SF 8" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	26.32	
For Stacked Bond, Add	5.04	
For Grout And Fill With 2 #5 Rebar, Add	16.64	
For Curved Wall Application, Add	3.87	
For <10, Small Area Replacements (Individual Areas), Add	29.58	
04 22 23 29-0012 SF 10" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	28.26	
For Stacked Bond, Add	5.34	
For Grout And Fill With 2 #5 Rebar, Add	18.00	
For Curved Wall Application, Add	4.11	
For <10, Small Area Replacements (Individual Areas), Add	31.37	
04 22 23 29-0013 SF 12" x 8" x 16", Plain Or Scored, Split Face, Bond Beam Or Lintel Concrete Block.....	32.68	
For Stacked Bond, Add	6.41	
For Grout And Fill With 2 #5 Rebar, Add	20.35	
For Curved Wall Application, Add	4.93	
For <10, Small Area Replacements (Individual Areas), Add	37.61	
<b>04 22 23 29-0014 Split Rib, Concrete Block (04 22 23 29)</b>		
<b>04 22 23 29-0015 Split Rib, Concrete Block (04 22 23 29-0014)</b>		
04 22 23 29-0016 SF 4" x 8" x 16", Split Rib, Concrete Block.....	20.09	
For Stacked Bond, Add	4.24	
For Curved Wall Application, Add	3.26	
For <10, Small Area Replacements (Individual Areas), Add	24.72	
04 22 23 29-0017 SF 6" x 8" x 16", Split Rib, Concrete Block.....	23.82	
For Stacked Bond, Add	4.77	
For Curved Wall Application, Add	3.67	
For <10, Small Area Replacements (Individual Areas), Add	27.91	
04 22 23 29-0018 SF 8" x 8" x 16", Split Rib, Concrete Block.....	25.33	
For Stacked Bond, Add	5.04	
For Curved Wall Application, Add	3.87	
For <10, Small Area Replacements (Individual Areas), Add	29.50	
04 22 23 29-0019 SF 10" x 8" x 16", Split Rib, Concrete Block.....	27.04	
For Stacked Bond, Add	5.34	
For Curved Wall Application, Add	4.11	
For <10, Small Area Replacements (Individual Areas), Add	31.28	
04 22 23 29-0020 SF 12" x 8" x 16", Split Rib, Concrete Block.....	31.80	
For Stacked Bond, Add	6.41	
For Curved Wall Application, Add	4.93	
For <10, Small Area Replacements (Individual Areas), Add	37.54	
<b>04 22 23 31 Glazed Concrete Masonry Unit (04 22 23)</b>		
<b>04 22 23 31-0001 One Glazed Face, Concrete Blocks (04 22 23 31)</b>		
<b>04 22 23 31-0002 One Glazed Face, Concrete Blocks (04 22 23 31-0001)</b>		
04 22 23 31-0003 SF 4" x 8" x 16", One Glazed Face, Concrete Block.....	34.08	
For Stacked Bond, Add	4.11	
For Curved Wall Application, Add	3.16	
For <10, Small Area Replacements (Individual Areas), Add	25.07	
04 22 23 31-0004 SF 6" x 8" x 16", One Glazed Face, Concrete Block.....	36.54	
For Stacked Bond, Add	4.52	
For Curved Wall Application, Add	3.48	
For <10, Small Area Replacements (Individual Areas), Add	27.54	
04 22 23 31-0005 SF 8" x 8" x 16", One Glazed Face, Concrete Block.....	38.68	
For Stacked Bond, Add	4.77	
For Curved Wall Application, Add	3.67	
For <10, Small Area Replacements (Individual Areas), Add	29.02	
04 22 23 31-0006 SF 10" x 8" x 16", One Glazed Face, Concrete Block.....	40.97	
For Stacked Bond, Add	5.04	
For Curved Wall Application, Add	3.87	
For <10, Small Area Replacements (Individual Areas), Add	30.68	
04 22 23 31-0007 SF 12" x 8" x 16", One Glazed Face, Concrete Block.....	45.88	
For Stacked Bond, Add	6.04	
For Curved Wall Application, Add	4.64	
For <10, Small Area Replacements (Individual Areas), Add	36.53	
<b>04 22 23 31-0008 Two Glazed Faces, Concrete Blocks (04 22 23 31)</b>		
<b>04 22 23 31-0009 Two Glazed Faces, Concrete Blocks (04 22 23 31-0008)</b>		
04 22 23 31-0010 SF 4" x 8" x 16", Two Glazed Faces, Concrete Block.....	45.16	
For Stacked Bond, Add	4.68	
For Curved Wall Application, Add	3.60	
For <10, Small Area Replacements (Individual Areas), Add	29.05	
04 22 23 31-0011 SF 6" x 8" x 16", Two Glazed Faces, Concrete Block.....	47.42	
For Stacked Bond, Add	5.04	
For Curved Wall Application, Add	3.87	
For <10, Small Area Replacements (Individual Areas), Add	31.16	
04 22 23 31-0012 SF 8" x 8" x 16", Two Glazed Faces, Concrete Block.....	50.65	
For Stacked Bond, Add	5.56	
For Curved Wall Application, Add	4.28	
For <10, Small Area Replacements (Individual Areas), Add	34.28	

**04 Masonry**  
**04 20 Unit Masonry**  
**04 23 Glass Unit Masonry**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**04 23 Glass Unit Masonry** (04 20)

**04 23 13 Vertical Glass Unit Masonry** (04 23)

Note: Includes 1/4" mortar joints and caulking. Excludes joint reinforcement and anchors.

**04 23 13 00-0001 Glass Block Unit Masonry** (04 23 13)

04 23 13 00-0002	SF	6" x 6" x 4" Plain Glass Block.....	86.97	
		For Solar Reflective (Suntrol) Blocks, Add	15.90	
		For Essex (Horizontal Striated) Blocks, Add	9.08	
		For Sculptured Or Patterned Blocks, Add	15.90	
		For Colored Glass, Add	45.42	
		For Thinline Block, Deduct	-11.36	
		For >1,000 To 5,000, Deduct	-6.40	
		For >5,000, Deduct	-10.74	
04 23 13 00-0003	SF	8" x 8" x 4" Plain Glass Block.....	62.70	
		For Solar Reflective (Suntrol) Blocks, Add	11.25	
		For Essex (Horizontal Striated) Blocks, Add	6.43	
		For Sculptured Or Patterned Blocks, Add	11.25	
		For Colored Glass, Add	32.15	
		For Thinline Block, Deduct	-8.04	
		For >1,000 To 5,000, Deduct	-4.65	
		For >5,000, Deduct	-7.77	
04 23 13 00-0004	SF	12" x 12" x 4" Plain Glass Block.....	69.19	
		For Solar Reflective (Suntrol) Blocks, Add	14.38	
		For Essex (Horizontal Striated) Blocks, Add	8.22	
		For Sculptured Or Patterned Blocks, Add	14.38	
		For Colored Glass, Add	41.08	
		For Thinline Block, Deduct	-10.27	
		For >1,000 To 5,000, Deduct	-4.85	
		For >5,000, Deduct	-8.30	

**04 23 13 00-0005 Solid Glass Block (Vistabrik®)** (04 23 13)

04 23 13 00-0006	SF	3" x 8" x 3" Solid Glass Block (Vistabrik®).....	767.79	
04 23 13 00-0007	SF	4" x 8" x 3" Solid Glass Block (Vistabrik®).....	583.79	
04 23 13 00-0008	SF	6" x 8" x 3" Solid Glass Block (Vistabrik®).....	401.97	
04 23 13 00-0009	SF	8" x 8" x 3" Solid Glass Block (Vistabrik®).....	281.76	

**04 40 Stone Assemblies** (04)

Note: Includes pointing and cleaning of new stone and mortar. All stone prices include material and mortar.

**04 42 Exterior Stone Cladding** (04 40)

**04 42 43 Stone Panels for Curtain Walls** (04 42)

**04 42 43 00-0001 Smooth Limestone Panels** (04 42 43)

Note: Up to 12' x 5' panels.

04 42 43 00-0002	SF	1-1/2" Thick Smooth Limestone Panels.....	70.61	43.08
04 42 43 00-0003	SF	2" Thick Smooth Limestone Panels.....	74.70	45.16
04 42 43 00-0004	SF	3" Thick Smooth Limestone Panels.....	78.98	47.24
04 42 43 00-0005	SF	4" Thick Smooth Limestone Panels.....	90.62	51.95

**04 43 Stone Masonry** (04 40)

**04 43 16 Stone Fabrications** (04 43)

**04 43 16 00-0001 Limestone** (04 43 16)

**04 43 16 00-0002 Limestone Coping** (04 43 16 00-0001)

Note: Measured from the highest point. Includes drilling into existing materials, caulk and ties.

04 43 16 00-0003	SF	2-1/2" Thick Limestone Coping.....	33.33	11.08
04 43 16 00-0004	SF	3" Thick Limestone Coping.....	36.95	11.78
04 43 16 00-0005	SF	3-1/2" Thick Limestone Coping.....	40.57	12.46
04 43 16 00-0006	SF	4" Thick Limestone Coping.....	42.80	12.88
04 43 16 00-0007	SF	5" Thick Limestone Coping.....	48.66	13.16
04 43 16 00-0008	SF	6" Thick Limestone Coping.....	67.66	13.85
04 43 16 00-0009	CF	>6" Thick Limestone Coping.....	112.52	28.70

**04 43 16 00-0010 Limestone Items** (04 43 16 00-0001)

04 43 16 00-0011	CF	Sawn Edge Limestone Block, Sill, Lintel, Jamb And Other Trim.....	212.62	107.63
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**04 43 16 00-0012 Granite** (04 43 16)

**04 43 16 00-0013 Granite Stair Treads** (04 43 16 00-0012)

04 43 16 00-0014	SF	2" Thick Granite Stair Tread.....	74.47	10.39
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**04 43 16 00-0015 Slate** (04 43 16)

**04 43 16 00-0016 Slate Stair Treads** (04 43 16 00-0015)

04 43 16 00-0017	SF	2" Thick Slate Stair Tread.....	47.30	10.39
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MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>04 43 16 00-0018 Slate Panels Or Sills</b> <small>(04 43 16 00-0015)</small>			
04 43 16 00-0019	SF	1" Thick Slate Panels.....	72.46
04 43 16 00-0020	SF	2" Thick Slate Panels.....	81.98
<b>04 43 16 00-0021 Slate Sills Or Stools</b> <small>(04 43 16 00-0015)</small>			
04 43 16 00-0022	LF	6" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	33.14
04 43 16 00-0023	LF	10" Wide, 1" Thick Slate Sills Or Stools With Sand Finish.....	39.19
04 43 16 00-0024	LF	6" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	38.34
04 43 16 00-0025	LF	10" Wide, 2" Thick Slate Sills Or Stools With Sand Finish.....	51.32
<b>04 43 16 00-0026 Bluestone</b> <small>(04 43 16)</small>			
<b>04 43 16 00-0027 Bluestone Stair Treads</b> <small>(04 43 16 00-0026)</small>			
<b>04 43 16 00-0028 1" Thick, Bluestone Stair Treads</b> <small>(04 43 16 00-0027)</small>			
04 43 16 00-0029	LF	8" Depth, 1" Thick, Bluestone Stair Tread.....	35.11
04 43 16 00-0030	LF	10" Depth, 1" Thick, Bluestone Stair Tread.....	37.40
04 43 16 00-0031	LF	12" Depth, 1" Thick, Bluestone Stair Tread.....	39.54
04 43 16 00-0032	LF	14" Depth, 1" Thick, Bluestone Stair Tread.....	43.58
04 43 16 00-0033	LF	16" Depth, 1" Thick, Bluestone Stair Tread.....	47.62
04 43 16 00-0034	LF	18" Depth, 1" Thick, Bluestone Stair Tread.....	51.78
<b>04 43 16 00-0035 1-1/2" Thick, Bluestone Stair Treads</b> <small>(04 43 16 00-0027)</small>			
04 43 16 00-0036	LF	8" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	38.64
04 43 16 00-0037	LF	10" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	40.93
04 43 16 00-0038	LF	12" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	43.06
04 43 16 00-0039	LF	14" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	47.22
04 43 16 00-0040	LF	16" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	51.40
04 43 16 00-0041	LF	18" Depth, 1-1/2" Thick, Bluestone Stair Tread.....	55.68
<b>04 43 16 00-0042 2" Thick, Bluestone Stair Treads</b> <small>(04 43 16 00-0027)</small>			
04 43 16 00-0043	LF	8" Depth, 2" Thick, Bluestone Stair Tread.....	42.68
04 43 16 00-0044	LF	10" Depth, 2" Thick, Bluestone Stair Tread.....	44.37
04 43 16 00-0045	LF	12" Depth, 2" Thick, Bluestone Stair Tread.....	47.05
04 43 16 00-0046	LF	14" Depth, 2" Thick, Bluestone Stair Tread.....	51.58
04 43 16 00-0047	LF	16" Depth, 2" Thick, Bluestone Stair Tread.....	56.39
04 43 16 00-0048	LF	18" Depth, 2" Thick, Bluestone Stair Tread.....	60.50
<b>04 43 16 00-0049 Bluestone Coping</b> <small>(04 43 16 00-0026)</small>			
04 43 16 00-0050	SF	2" Thick Bluestone Coping.....	56.69
04 43 16 00-0051	SF	3" Thick Bluestone Coping.....	126.40

**04 50 Refractory Masonry** (04)

**04 51 Flue Liner Masonry** (04 50)

Note: Includes mortar joints.

<b>04 51 00 00-0001 Rectangular Flue Liners</b> <small>(04 51)</small>			
04 51 00 00-0002	VLF	4" x 8" Clay Flue Liners.....	22.17
04 51 00 00-0003	VLF	8" x 8" Clay Flue Liners.....	29.91
04 51 00 00-0004	VLF	8" x 12" Clay Flue Liners.....	34.28
04 51 00 00-0005	VLF	12" x 12" Clay Flue Liners.....	42.53
04 51 00 00-0006	VLF	12" x 16" Clay Flue Liners.....	51.18
04 51 00 00-0007	VLF	12" x 18" Clay Flue Liners.....	57.93
04 51 00 00-0008	VLF	16" x 16" Clay Flue Liners.....	63.36
04 51 00 00-0009	VLF	16" x 20" Clay Flue Liners.....	77.29
04 51 00 00-0010	VLF	18" x 18" Clay Flue Liners.....	82.47
04 51 00 00-0011	VLF	20" x 20" Clay Flue Liners.....	105.48
04 51 00 00-0012	VLF	20" x 24" Clay Flue Liners.....	114.82
04 51 00 00-0013	VLF	24" x 24" Clay Flue Liners.....	135.50
<b>04 51 00 00-0014 Round Flue Liners</b> <small>(04 51)</small>			
04 51 00 00-0015	VLF	6" Diameter Clay Flue Liners.....	52.35
04 51 00 00-0016	VLF	8" Diameter Clay Flue Liners.....	74.56
04 51 00 00-0017	VLF	10" Diameter Clay Flue Liners.....	97.20
04 51 00 00-0018	VLF	12" Diameter Clay Flue Liners.....	117.80
04 51 00 00-0019	VLF	15" Diameter Clay Flue Liners.....	143.65
04 51 00 00-0020	VLF	18" Diameter Clay Flue Liners.....	155.21
04 51 00 00-0021	VLF	21" Diameter Clay Flue Liners.....	197.54
04 51 00 00-0022	VLF	24" Diameter Clay Flue Liners.....	242.17
04 51 00 00-0023	VLF	27" Diameter Clay Flue Liners.....	279.33
04 51 00 00-0024	VLF	30" Diameter Clay Flue Liners.....	317.58
04 51 00 00-0025	VLF	33" Diameter Clay Flue Liners.....	333.77
04 51 00 00-0026	VLF	36" Diameter Clay Flue Liners.....	338.56

**04 Masonry**  
**04 50 Refractory Masonry**  
**04 51 Flue Liner Masonry**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

04 51 00 00-0027	Standard Chimney Block <small>(04 51)</small>		
	Note: Includes refractory mortar. Excludes flue liners.		
04 51 00 00-0028	EA 14" x 14" x 8" Concrete Block Chimney Unit .....	38.05	
04 51 00 00-0029	EA 14" x 18" x 8" Concrete Block Chimney Unit .....	41.42	
04 51 00 00-0030	EA 16" x 16" x 8" Concrete Block Chimney Unit .....	41.71	
04 51 00 00-0031	EA 17" x 17" x 8" Concrete Block Chimney Unit .....	43.72	
04 51 00 00-0032	EA 16" x 20" x 8" Concrete Block Chimney Unit .....	45.97	
04 51 00 00-0033	EA 17" x 21" x 8" Concrete Block Chimney Unit .....	48.36	
04 51 00 00-0034	EA 21" x 21" x 8" Concrete Block Chimney Unit .....	54.53	

**04 70 Manufactured Masonry (04)**

**04 72 Cast Stone Masonry (04 70)**

04 72 00 00-0001	Precast Concrete Lintels <small>(04 72)</small>		
04 72 00 00-0002	Solid Precast Concrete Lintels <small>(04 72 00 00-0001)</small>		
04 72 00 00-0003	LF 4" x 8", Solid Precast Concrete Lintel .....	20.37	
04 72 00 00-0004	LF 6" x 8", Solid Precast Concrete Lintel .....	25.57	
04 72 00 00-0005	LF 8" x 8", Solid Precast Concrete Lintel .....	31.32	

04 72 00 00-0006	U Shaped Precast Concrete Lintels <small>(04 72 00 00-0001)</small>		
	Note: Excludes concrete fill and field added reinforcing. See CSI section 04 05 16 26-0001 for concrete fill.		
04 72 00 00-0007	LF 6" x 8", U Shaped Precast Concrete Lintel .....	21.81	
04 72 00 00-0008	LF 8" x 8", U Shaped Precast Concrete Lintel .....	26.23	
04 72 00 00-0009	LF 12" x 8", U Shaped Precast Concrete Lintel .....	42.03	

04 72 00 00-0010	Precast Concrete Coping <small>(04 72)</small>		
	Note: Includes caulk and ties. Excludes drilling into existing materials or other anchoring bolts. See CSI section 04 21 29 00-0001 for terra cotta coping.		

04 72 00 00-0011	Precast Concrete Coping <small>(04 72 00 00-0010)</small>		
	Note: Measured at highest point.		
04 72 00 00-0012	SF 2" Thick Precast Concrete Coping .....	63.09	15.54
04 72 00 00-0013	SF 2-1/2" Thick Precast Concrete Coping .....	70.44	16.74
04 72 00 00-0014	SF 3" Thick Precast Concrete Coping .....	81.01	17.94
04 72 00 00-0015	SF 3-1/2" Thick Precast Concrete Coping .....	86.72	19.13
04 72 00 00-0016	SF 4" Thick Precast Concrete Coping .....	92.48	20.33
04 72 00 00-0017	SF 5" Thick Precast Concrete Coping .....	109.25	21.53
04 72 00 00-0018	SF 6" Thick Precast Concrete Coping .....	123.93	22.72

04 72 00 00-0019	Precast Concrete Window Sills <small>(04 72)</small>		
	Note: Includes caulk and ties.		

04 72 00 00-0020	Precast Concrete Window Sills <small>(04 72 00 00-0019)</small>		
04 72 00 00-0021	LF 6" Wide Precast Concrete Window Sill .....	45.87	11.95
04 72 00 00-0022	LF 10" Wide Precast Concrete Window Sill .....	67.20	11.95
04 72 00 00-0023	LF 14" Wide Precast Concrete Window Sill .....	78.67	11.95

**END OF SECTION 04**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 05 Metals

### 05 01 Maintenance of Metals <sup>(05)</sup>

#### 05 01 50 Maintenance of Metal Fabrications <sup>(05 01)</sup>

- 05 01 50 51 Cleaning of Metal Fabrications <sup>(05 01 50)</sup>**  
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.
- 05 01 50 61 Repair of Metal Fabrications <sup>(05 01 50)</sup>**  
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.
- 05 01 50 63 Refinishing of Metal Fabrications <sup>(05 01 50)</sup>**  
See CSI section 05 12 23 00-0113 for field applied cold galvanizing, 05 12 23 00-0115 for metal grinding.

#### 05 01 70 Maintenance of Decorative Metal <sup>(05 01)</sup>

- 05 01 70 51 Cleaning of Decorative Metal <sup>(05 01 70)</sup>**  
See CSI section 09 01 90 52-0016 for cleaning of metal surfaces.
- 05 01 70 61 Repair of Decorative Metal <sup>(05 01 70)</sup>**  
See CSI section 05 05 21 00-0001 for welding, 05 05 23 00-1580 for torch cutting.
- 05 01 70 63 Refinishing of Decorative Metal <sup>(05 01 70)</sup>**  
See CSI section 05 12 23 00-0113 for field applied cold galvanizing, 05 12 23 00-0115 for metal grinding.

### 05 05 Common Work Results for Metals <sup>(05)</sup>

#### 05 05 19 Post-Installed Concrete Anchors <sup>(05 05)</sup>

See CSI section 03 15 19 00-0000 for cast-in concrete anchors.

05 05 19 00-0001	Concrete And Masonry Anchors <sup>(05 05 19)</sup>	
05 05 19 00-0002	Expansion Anchors <sup>(05 05 19 00-0001)</sup> Note: Includes drilling.	
05 05 19 00-0003	Wedge Expansion Bolt Anchors <sup>(05 05 19 00-0002)</sup>	
05 05 19 00-0004	Zinc Plated Steel, Wedge Anchor Expansion Bolt <sup>(05 05 19 00-0003)</sup> Note: Includes nut and washer.	
05 05 19 00-0005	EA 1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	14.48
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-1.37
	For >100, Deduct	-2.74
05 05 19 00-0006	EA 1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	14.64
	For >10 To 50, Deduct	-0.67
	For >50 To 100, Deduct	-1.38
	For >100, Deduct	-2.75
05 05 19 00-0007	EA 1/4" Diameter x 3-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	15.10
	For >10 To 50, Deduct	-0.69
	For >50 To 100, Deduct	-1.41
	For >100, Deduct	-2.83
05 05 19 00-0008	EA 3/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	17.82
	For >10 To 50, Deduct	-0.82
	For >50 To 100, Deduct	-1.67
	For >100, Deduct	-3.35
05 05 19 00-0009	EA 3/8" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	17.93
	For >10 To 50, Deduct	-0.82
	For >50 To 100, Deduct	-1.68
	For >100, Deduct	-3.36
05 05 19 00-0010	EA 3/8" Diameter x 3" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	17.97
	For >10 To 50, Deduct	-0.82
	For >50 To 100, Deduct	-1.68
	For >100, Deduct	-3.36
05 05 19 00-0011	EA 3/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	18.43
	For >10 To 50, Deduct	-0.82
	For >50 To 100, Deduct	-1.69
	For >100, Deduct	-3.38
05 05 19 00-0012	EA 1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	25.88
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.39
	For >100, Deduct	-4.79
05 05 19 00-0013	EA 1/2" Diameter x 3-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	25.97
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.40
	For >100, Deduct	-4.79
05 05 19 00-0014	EA 1/2" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.16
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.40
	For >100, Deduct	-4.80
05 05 19 00-0015	EA 1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	26.68
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.41
	For >100, Deduct	-4.83
05 05 19 00-0016	EA 1/2" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	27.38
	For >10 To 50, Deduct	-1.17
	For >50 To 100, Deduct	-2.43
	For >100, Deduct	-4.86

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 19 Post-Installed Concrete Anchors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 19 00-0017	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	33.95	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.01	
		<i>For &gt;100, Deduct</i>	-6.01	
05 05 19 00-0018	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.10	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.01	
		<i>For &gt;100, Deduct</i>	-6.02	
05 05 19 00-0019	EA	5/8" Diameter x 5" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	34.42	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.02	
		<i>For &gt;100, Deduct</i>	-6.03	
05 05 19 00-0020	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	35.05	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.03	
		<i>For &gt;100, Deduct</i>	-6.07	
05 05 19 00-0021	EA	5/8" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	35.67	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.05	
		<i>For &gt;100, Deduct</i>	-6.10	
05 05 19 00-0022	EA	5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	40.62	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.17	
		<i>For &gt;100, Deduct</i>	-6.34	
05 05 19 00-0023	EA	5/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	44.87	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.28	
		<i>For &gt;100, Deduct</i>	-6.56	
05 05 19 00-0024	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.08	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.59	
		<i>For &gt;100, Deduct</i>	-7.19	
05 05 19 00-0025	EA	3/4" Diameter x 4-3/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.21	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.60	
		<i>For &gt;100, Deduct</i>	-7.19	
05 05 19 00-0026	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	41.97	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.62	
		<i>For &gt;100, Deduct</i>	-7.23	
05 05 19 00-0027	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	42.88	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.64	
		<i>For &gt;100, Deduct</i>	-7.28	
05 05 19 00-0028	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	43.92	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.66	
		<i>For &gt;100, Deduct</i>	-7.33	
05 05 19 00-0029	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	47.88	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.76	
		<i>For &gt;100, Deduct</i>	-7.53	
05 05 19 00-0030	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	53.16	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.89	
		<i>For &gt;100, Deduct</i>	-7.79	
05 05 19 00-0031	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	59.11	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-4.04	
		<i>For &gt;100, Deduct</i>	-8.09	
05 05 19 00-0032	EA	7/8" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	56.76	
		<i>For &gt;10 To 50, Deduct</i>	-1.86	
		<i>For &gt;50 To 100, Deduct</i>	-4.20	
		<i>For &gt;100, Deduct</i>	-8.41	
05 05 19 00-0033	EA	7/8" Diameter x 8" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	59.89	
		<i>For &gt;10 To 50, Deduct</i>	-1.86	
		<i>For &gt;50 To 100, Deduct</i>	-4.28	
		<i>For &gt;100, Deduct</i>	-8.56	
05 05 19 00-0034	EA	7/8" Diameter x 10" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	64.04	
		<i>For &gt;10 To 50, Deduct</i>	-1.86	
		<i>For &gt;50 To 100, Deduct</i>	-4.39	
		<i>For &gt;100, Deduct</i>	-8.77	
05 05 19 00-0035	EA	1" Diameter x 6" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	69.88	
		<i>For &gt;10 To 50, Deduct</i>	-2.40	
		<i>For &gt;50 To 100, Deduct</i>	-5.35	
		<i>For &gt;100, Deduct</i>	-10.70	
05 05 19 00-0036	EA	1" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	75.78	
		<i>For &gt;10 To 50, Deduct</i>	-2.40	
		<i>For &gt;50 To 100, Deduct</i>	-5.50	
		<i>For &gt;100, Deduct</i>	-11.00	
05 05 19 00-0037	EA	1" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	81.62	
		<i>For &gt;10 To 50, Deduct</i>	-2.40	
		<i>For &gt;50 To 100, Deduct</i>	-5.64	
		<i>For &gt;100, Deduct</i>	-11.29	
05 05 19 00-0038	EA	1-1/4" Diameter x 9" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt	91.23	
		<i>For &gt;10 To 50, Deduct</i>	-3.08	
		<i>For &gt;50 To 100, Deduct</i>	-6.89	
		<i>For &gt;100, Deduct</i>	-13.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0039	EA		1-1/4" Diameter x 12" Length, Zinc Plated Steel, Wedge Anchor Expansion Bolt .....	95.44	
			<i>For &gt;10 To 50, Deduct</i>	-3.08	
			<i>For &gt;50 To 100, Deduct</i>	-7.00	
			<i>For &gt;100, Deduct</i>	-14.00	
<b>05 05 19 00-0040</b>			<b>304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt</b> <small>(05 05 19 00-0003)</small>		
			Note: Includes nut and washer.		
05 05 19 00-0041	EA		1/4" Diameter x 1-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	15.67	
			<i>For &gt;10 To 50, Deduct</i>	-0.67	
			<i>For &gt;50 To 100, Deduct</i>	-1.40	
			<i>For &gt;100, Deduct</i>	-2.80	
05 05 19 00-0042	EA		1/4" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.18	
			<i>For &gt;10 To 50, Deduct</i>	-0.67	
			<i>For &gt;50 To 100, Deduct</i>	-1.41	
			<i>For &gt;100, Deduct</i>	-2.83	
05 05 19 00-0043	EA		1/4" Diameter x 3-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.86	
			<i>For &gt;10 To 50, Deduct</i>	-0.69	
			<i>For &gt;50 To 100, Deduct</i>	-1.46	
			<i>For &gt;100, Deduct</i>	-2.92	
05 05 19 00-0044	EA		3/8" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.09	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.73	
			<i>For &gt;100, Deduct</i>	-3.46	
05 05 19 00-0045	EA		3/8" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.53	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.74	
			<i>For &gt;100, Deduct</i>	-3.49	
05 05 19 00-0046	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	20.84	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.75	
			<i>For &gt;100, Deduct</i>	-3.50	
05 05 19 00-0047	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	23.23	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.81	
			<i>For &gt;100, Deduct</i>	-3.62	
05 05 19 00-0048	EA		1/2" Diameter x 2-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.05	
			<i>For &gt;10 To 50, Deduct</i>	-1.17	
			<i>For &gt;50 To 100, Deduct</i>	-2.52	
			<i>For &gt;100, Deduct</i>	-5.05	
05 05 19 00-0049	EA		1/2" Diameter x 3-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	31.88	
			<i>For &gt;10 To 50, Deduct</i>	-1.17	
			<i>For &gt;50 To 100, Deduct</i>	-2.54	
			<i>For &gt;100, Deduct</i>	-5.09	
05 05 19 00-0050	EA		1/2" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	32.36	
			<i>For &gt;10 To 50, Deduct</i>	-1.17	
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100, Deduct</i>	-5.11	
05 05 19 00-0051	EA		1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.54	
			<i>For &gt;10 To 50, Deduct</i>	-1.17	
			<i>For &gt;50 To 100, Deduct</i>	-2.61	
			<i>For &gt;100, Deduct</i>	-5.22	
05 05 19 00-0052	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	37.82	
			<i>For &gt;10 To 50, Deduct</i>	-1.17	
			<i>For &gt;50 To 100, Deduct</i>	-2.69	
			<i>For &gt;100, Deduct</i>	-5.39	
05 05 19 00-0053	EA		5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	44.46	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.27	
			<i>For &gt;100, Deduct</i>	-6.54	
05 05 19 00-0054	EA		5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	46.60	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.32	
			<i>For &gt;100, Deduct</i>	-6.64	
05 05 19 00-0055	EA		5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	48.90	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.38	
			<i>For &gt;100, Deduct</i>	-6.76	
05 05 19 00-0056	EA		5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	51.97	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.46	
			<i>For &gt;100, Deduct</i>	-6.91	
05 05 19 00-0057	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	65.43	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.79	
			<i>For &gt;100, Deduct</i>	-7.58	
05 05 19 00-0058	EA		3/4" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	53.08	
			<i>For &gt;10 To 50, Deduct</i>	-1.71	
			<i>For &gt;50 To 100, Deduct</i>	-3.89	
			<i>For &gt;100, Deduct</i>	-7.79	
05 05 19 00-0059	EA		3/4" Diameter x 4-3/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.41	
			<i>For &gt;10 To 50, Deduct</i>	-1.71	
			<i>For &gt;50 To 100, Deduct</i>	-4.00	
			<i>For &gt;100, Deduct</i>	-8.00	
05 05 19 00-0060	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	61.11	
			<i>For &gt;10 To 50, Deduct</i>	-1.71	
			<i>For &gt;50 To 100, Deduct</i>	-4.09	
			<i>For &gt;100, Deduct</i>	-8.19	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 19 Post-Installed Concrete Anchors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 19 00-0061	EA	3/4" Diameter x 6-1/4" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	61.57	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-4.11	
		<i>For &gt;100, Deduct</i>	-8.21	
05 05 19 00-0062	EA	3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	65.04	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-4.19	
		<i>For &gt;100, Deduct</i>	-8.38	
05 05 19 00-0063	EA	3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	74.06	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-4.42	
		<i>For &gt;100, Deduct</i>	-8.83	
05 05 19 00-0064	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	86.78	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-4.74	
		<i>For &gt;100, Deduct</i>	-9.47	
05 05 19 00-0065	EA	7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	87.34	
		<i>For &gt;10 To 50, Deduct</i>	-1.86	
		<i>For &gt;50 To 100, Deduct</i>	-4.97	
		<i>For &gt;100, Deduct</i>	-9.94	
05 05 19 00-0066	EA	1" Diameter x 6" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	126.80	
		<i>For &gt;10 To 50, Deduct</i>	-2.40	
		<i>For &gt;50 To 100, Deduct</i>	-6.77	
		<i>For &gt;100, Deduct</i>	-13.55	
05 05 19 00-0067	EA	1" Diameter x 9" Length, 304/18-8 Stainless Steel, Wedge Anchor Expansion Bolt.....	145.61	
		<i>For &gt;10 To 50, Deduct</i>	-2.40	
		<i>For &gt;50 To 100, Deduct</i>	-7.24	
		<i>For &gt;100, Deduct</i>	-14.49	

## 05 05 19 00-0068 316 Stainless Steel, Wedge Anchor Expansion Bolt (05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0069	EA	1/4" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	16.11	
		<i>For &gt;10 To 50, Deduct</i>	-0.67	
		<i>For &gt;50 To 100, Deduct</i>	-1.41	
		<i>For &gt;100, Deduct</i>	-2.83	
05 05 19 00-0070	EA	1/4" Diameter x 3-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	17.05	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.46	
		<i>For &gt;100, Deduct</i>	-2.93	
05 05 19 00-0071	EA	3/8" Diameter x 2-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	21.52	
		<i>For &gt;10 To 50, Deduct</i>	-0.82	
		<i>For &gt;50 To 100, Deduct</i>	-1.77	
		<i>For &gt;100, Deduct</i>	-3.53	
05 05 19 00-0072	EA	3/8" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.27	
		<i>For &gt;10 To 50, Deduct</i>	-0.82	
		<i>For &gt;50 To 100, Deduct</i>	-1.79	
		<i>For &gt;100, Deduct</i>	-3.57	
05 05 19 00-0073	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	22.46	
		<i>For &gt;10 To 50, Deduct</i>	-0.82	
		<i>For &gt;50 To 100, Deduct</i>	-1.79	
		<i>For &gt;100, Deduct</i>	-3.58	
05 05 19 00-0074	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	26.07	
		<i>For &gt;10 To 50, Deduct</i>	-0.82	
		<i>For &gt;50 To 100, Deduct</i>	-1.88	
		<i>For &gt;100, Deduct</i>	-3.76	
05 05 19 00-0075	EA	1/2" Diameter x 2-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	34.50	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.61	
		<i>For &gt;100, Deduct</i>	-5.22	
05 05 19 00-0076	EA	1/2" Diameter x 3-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	36.60	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.66	
		<i>For &gt;100, Deduct</i>	-5.33	
05 05 19 00-0077	EA	1/2" Diameter x 4-1/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	40.41	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.76	
		<i>For &gt;100, Deduct</i>	-5.52	
05 05 19 00-0078	EA	1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	41.36	
		<i>For &gt;10 To 50, Deduct</i>	-1.17	
		<i>For &gt;50 To 100, Deduct</i>	-2.78	
		<i>For &gt;100, Deduct</i>	-5.56	
05 05 19 00-0079	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	56.13	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.56	
		<i>For &gt;100, Deduct</i>	-7.12	
05 05 19 00-0080	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	57.27	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.59	
		<i>For &gt;100, Deduct</i>	-7.18	
05 05 19 00-0081	EA	3/4" Diameter x 4-3/4" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	69.39	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-4.30	
		<i>For &gt;100, Deduct</i>	-8.60	
05 05 19 00-0082	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Wedge Anchor Expansion Bolt.....	74.15	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-4.42	
		<i>For &gt;100, Deduct</i>	-8.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**05 05 19 00-0083 Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt** (05 05 19 00-0003)

Note: Includes nut and washer.

05 05 19 00-0084	EA		1/2" Diameter x 2-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	29.09	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.47	
			For >100, Deduct	-4.95	
05 05 19 00-0085	EA		1/2" Diameter x 4-1/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	30.61	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.51	
			For >100, Deduct	-5.03	
05 05 19 00-0086	EA		1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	32.14	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.55	
			For >100, Deduct	-5.10	
05 05 19 00-0087	EA		1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	32.90	
			For >10 To 50, Deduct	-1.17	
			For >50 To 100, Deduct	-2.57	
			For >100, Deduct	-5.14	
05 05 19 00-0088	EA		5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	39.72	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.15	
			For >100, Deduct	-6.30	
05 05 19 00-0089	EA		5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	37.89	
			For >10 To 50, Deduct	-1.44	
			For >50 To 100, Deduct	-3.10	
			For >100, Deduct	-6.21	
05 05 19 00-0090	EA		3/4" Diameter x 4-3/4" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	51.29	
			For >10 To 50, Deduct	-1.71	
			For >50 To 100, Deduct	-3.85	
			For >100, Deduct	-7.70	
05 05 19 00-0091	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	52.97	
			For >10 To 50, Deduct	-1.71	
			For >50 To 100, Deduct	-3.89	
			For >100, Deduct	-7.78	
05 05 19 00-0092	EA		3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt .....	61.21	
			For >10 To 50, Deduct	-1.71	
			For >50 To 100, Deduct	-4.10	
			For >100, Deduct	-8.19	
05 05 19 00-0093	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	65.62	
			For >10 To 50, Deduct	-2.40	
			For >50 To 100, Deduct	-5.24	
			For >100, Deduct	-10.49	
05 05 19 00-0094	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	70.37	
			For >10 To 50, Deduct	-2.40	
			For >50 To 100, Deduct	-5.36	
			For >100, Deduct	-10.73	
05 05 19 00-0095	EA		1" Diameter x 12" Length, Hot Dipped Galvanized Steel, Wedge Anchor Expansion Bolt.....	75.07	
			For >10 To 50, Deduct	-2.40	
			For >50 To 100, Deduct	-5.48	
			For >100, Deduct	-10.96	

**05 05 19 00-0096 Concrete Sleeve Anchors** (05 05 19 00-0002)

**05 05 19 00-0097 Zinc Plated Steel, Concrete Sleeve Anchors** (05 05 19 00-0096)

Note: Includes nut and washer.

05 05 19 00-0098	EA		1/4" Diameter x 5/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	14.51	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.40	
			For >100, Deduct	-2.79	
05 05 19 00-0099	EA		1/4" Diameter x 1-3/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	14.73	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.40	
			For >100, Deduct	-2.80	
05 05 19 00-0100	EA		1/4" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	15.01	
			For >10 To 50, Deduct	-0.69	
			For >50 To 100, Deduct	-1.41	
			For >100, Deduct	-2.82	
05 05 19 00-0101	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	15.30	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.93	
05 05 19 00-0102	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	15.51	
			For >10 To 50, Deduct	-0.72	
			For >50 To 100, Deduct	-1.47	
			For >100, Deduct	-2.94	
05 05 19 00-0103	EA		3/8" Diameter x 1-7/8" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	17.33	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.66	
			For >100, Deduct	-3.32	
05 05 19 00-0104	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	17.72	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.67	
			For >100, Deduct	-3.34	
05 05 19 00-0105	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor .....	18.08	
			For >10 To 50, Deduct	-0.82	
			For >50 To 100, Deduct	-1.68	
			For >100, Deduct	-3.36	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 19 Post-Installed Concrete Anchors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 19 00-0106	EA	1/2" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.04	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-2.37	
		<i>For &gt;100, Deduct</i>	-4.74	
05 05 19 00-0107	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.51	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-2.38	
		<i>For &gt;100, Deduct</i>	-4.77	
05 05 19 00-0108	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	25.93	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-2.39	
		<i>For &gt;100, Deduct</i>	-4.79	
05 05 19 00-0109	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	26.42	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-2.41	
		<i>For &gt;100, Deduct</i>	-4.81	
05 05 19 00-0110	EA	5/8" Diameter x 2-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	31.47	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-2.94	
		<i>For &gt;100, Deduct</i>	-5.88	
05 05 19 00-0111	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.19	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-2.96	
		<i>For &gt;100, Deduct</i>	-5.92	
05 05 19 00-0112	EA	5/8" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	32.74	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-2.97	
		<i>For &gt;100, Deduct</i>	-5.95	
05 05 19 00-0113	EA	5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Sleeve Anchor	34.30	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.01	
		<i>For &gt;100, Deduct</i>	-6.03	
05 05 19 00-0114	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	38.76	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.53	
		<i>For &gt;100, Deduct</i>	-7.07	
05 05 19 00-0115	EA	3/4" Diameter x 4-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	40.11	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.57	
		<i>For &gt;100, Deduct</i>	-7.14	
05 05 19 00-0116	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Concrete Sleeve Anchor	41.32	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.60	
		<i>For &gt;100, Deduct</i>	-7.20	
05 05 19 00-0117	EA	3/4" Diameter x 6-1/4" Length, Zinc Plated Steel, Concrete Sleeve Anchor	43.26	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.65	
		<i>For &gt;100, Deduct</i>	-7.29	

## 05 05 19 00-0118 304/18-8 Stainless Steel, Concrete Sleeve Anchors (05 05 19 00-0096)

Note: Includes nut and washer.

05 05 19 00-0119	EA	1/4" Diameter x 1-3/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	16.50	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.45	
		<i>For &gt;100, Deduct</i>	-2.89	
05 05 19 00-0120	EA	3/8" Diameter x 1-7/8" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	21.48	
		<i>For &gt;10 To 50, Deduct</i>	-0.82	
		<i>For &gt;50 To 100, Deduct</i>	-1.76	
		<i>For &gt;100, Deduct</i>	-3.53	
05 05 19 00-0121	EA	3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	23.50	
		<i>For &gt;10 To 50, Deduct</i>	-0.82	
		<i>For &gt;50 To 100, Deduct</i>	-1.82	
		<i>For &gt;100, Deduct</i>	-3.63	
05 05 19 00-0122	EA	1/2" Diameter x 2-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	31.94	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-2.54	
		<i>For &gt;100, Deduct</i>	-5.09	
05 05 19 00-0123	EA	1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	35.58	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-2.63	
		<i>For &gt;100, Deduct</i>	-5.27	
05 05 19 00-0124	EA	5/8" Diameter x 4-1/4" Length, 304/18-8 Stainless Steel, Concrete Sleeve Anchor	48.56	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.37	
		<i>For &gt;100, Deduct</i>	-6.74	

## 05 05 19 00-0125 Concrete Strike Anchors (05 05 19 00-0002)

Note: Includes nut and washer.

05 05 19 00-0126	EA	1/4" Diameter x 1-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	15.61	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.42	
		<i>For &gt;100, Deduct</i>	-2.85	
05 05 19 00-0127	EA	1/4" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	15.99	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.43	
		<i>For &gt;100, Deduct</i>	-2.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0128	EA		5/16" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	16.66	
			<i>For &gt;10 To 50, Deduct</i>	-0.72	
			<i>For &gt;50 To 100, Deduct</i>	-1.50	
			<i>For &gt;100, Deduct</i>	-3.00	
05 05 19 00-0129	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	18.23	
			<i>For &gt;10 To 50, Deduct</i>	-0.72	
			<i>For &gt;50 To 100, Deduct</i>	-1.54	
			<i>For &gt;100, Deduct</i>	-3.08	
05 05 19 00-0130	EA		3/8" Diameter x 2-3/8" Length, Zinc Plated Steel, Concrete Strike Anchor	19.04	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.70	
			<i>For &gt;100, Deduct</i>	-3.41	
05 05 19 00-0131	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	20.22	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.73	
			<i>For &gt;100, Deduct</i>	-3.47	
05 05 19 00-0132	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	21.13	
			<i>For &gt;10 To 50, Deduct</i>	-0.82	
			<i>For &gt;50 To 100, Deduct</i>	-1.76	
			<i>For &gt;100, Deduct</i>	-3.51	
05 05 19 00-0133	EA		1/2" Diameter x 2-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	27.95	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.44	
			<i>For &gt;100, Deduct</i>	-4.89	
05 05 19 00-0134	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Concrete Strike Anchor	28.66	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.46	
			<i>For &gt;100, Deduct</i>	-4.92	
05 05 19 00-0135	EA		1/2" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	30.72	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.51	
			<i>For &gt;100, Deduct</i>	-5.03	
05 05 19 00-0136	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	33.40	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.58	
			<i>For &gt;100, Deduct</i>	-5.16	
05 05 19 00-0137	EA		5/8" Diameter x 4" Length, Zinc Plated Steel, Concrete Strike Anchor	37.67	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.10	
			<i>For &gt;100, Deduct</i>	-6.19	
05 05 19 00-0138	EA		5/8" Diameter x 4-3/4" Length, Zinc Plated Steel, Concrete Strike Anchor	40.14	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.16	
			<i>For &gt;100, Deduct</i>	-6.32	
05 05 19 00-0139	EA		5/8" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	42.32	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.21	
			<i>For &gt;100, Deduct</i>	-6.43	
05 05 19 00-0140	EA		3/4" Diameter x 5" Length, Zinc Plated Steel, Concrete Strike Anchor	49.06	
			<i>For &gt;10 To 50, Deduct</i>	-1.71	
			<i>For &gt;50 To 100, Deduct</i>	-3.79	
			<i>For &gt;100, Deduct</i>	-7.58	
05 05 19 00-0141	EA		3/4" Diameter x 6" Length, Zinc Plated Steel, Concrete Strike Anchor	51.37	
			<i>For &gt;10 To 50, Deduct</i>	-1.71	
			<i>For &gt;50 To 100, Deduct</i>	-3.85	
			<i>For &gt;100, Deduct</i>	-7.70	
05 05 19 00-0142			<b>Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0002)</small>		
05 05 19 00-0143			<b>Zinc Plated Steel, Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0142)</small>		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0144	EA		1/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	20.14	
			<i>For &gt;10 To 50, Deduct</i>	-0.96	
			<i>For &gt;50 To 100, Deduct</i>	-1.94	
			<i>For &gt;100, Deduct</i>	-3.88	
05 05 19 00-0145	EA		3/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	24.66	
			<i>For &gt;10 To 50, Deduct</i>	-1.17	
			<i>For &gt;50 To 100, Deduct</i>	-2.37	
			<i>For &gt;100, Deduct</i>	-4.74	
05 05 19 00-0146	EA		1/2" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	30.29	
			<i>For &gt;10 To 50, Deduct</i>	-1.38	
			<i>For &gt;50 To 100, Deduct</i>	-2.82	
			<i>For &gt;100, Deduct</i>	-5.65	
05 05 19 00-0147	EA		5/8" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	34.59	
			<i>For &gt;10 To 50, Deduct</i>	-1.51	
			<i>For &gt;50 To 100, Deduct</i>	-3.13	
			<i>For &gt;100, Deduct</i>	-6.27	
05 05 19 00-0148	EA		3/4" Bolt Diameter, Zinc Plated Steel, Multi-Set Drop-In Anchor	41.88	
			<i>For &gt;10 To 50, Deduct</i>	-1.72	
			<i>For &gt;50 To 100, Deduct</i>	-3.63	
			<i>For &gt;100, Deduct</i>	-7.26	
05 05 19 00-0149			<b>304/18-8 Stainless Steel, Multi-Set Drop-In Anchors</b> <small>(05 05 19 00-0142)</small>		
			Note: Excludes bolt, nut and washer.		
05 05 19 00-0150	EA		1/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	24.29	
			<i>For &gt;10 To 50, Deduct</i>	-0.96	
			<i>For &gt;50 To 100, Deduct</i>	-2.04	
			<i>For &gt;100, Deduct</i>	-4.09	

**05 Metals****05 05 Common Work Results for Metals****05 05 19 Post-Installed Concrete Anchors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 19 00-0151	EA	3/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	32.55
		<i>For &gt;10 To 50, Deduct</i>	-1.17
		<i>For &gt;50 To 100, Deduct</i>	-2.57
		<i>For &gt;100, Deduct</i>	-5.13
05 05 19 00-0152	EA	1/2" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	40.58
		<i>For &gt;10 To 50, Deduct</i>	-1.38
		<i>For &gt;50 To 100, Deduct</i>	-3.08
		<i>For &gt;100, Deduct</i>	-6.16
05 05 19 00-0153	EA	5/8" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	51.16
		<i>For &gt;10 To 50, Deduct</i>	-1.51
		<i>For &gt;50 To 100, Deduct</i>	-3.55
		<i>For &gt;100, Deduct</i>	-7.10
05 05 19 00-0154	EA	3/4" Bolt Diameter, 304/18-8 Stainless Steel, Multi-Set Drop-In Anchor	70.37
		<i>For &gt;10 To 50, Deduct</i>	-1.72
		<i>For &gt;50 To 100, Deduct</i>	-4.34
		<i>For &gt;100, Deduct</i>	-8.68

**05 05 19 00-0155 Single Bolt Expansion Anchors** (05 05 19 00-0002)

Note: Excludes bolt, nut and washer.

05 05 19 00-0156	EA	1/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	14.84
		<i>For &gt;10 To 50, Deduct</i>	-0.69
		<i>For &gt;50 To 100, Deduct</i>	-1.40
		<i>For &gt;100, Deduct</i>	-2.81
05 05 19 00-0157	EA	5/16" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	15.92
		<i>For &gt;10 To 50, Deduct</i>	-0.72
		<i>For &gt;50 To 100, Deduct</i>	-1.48
		<i>For &gt;100, Deduct</i>	-2.97
05 05 19 00-0158	EA	3/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	18.00
		<i>For &gt;10 To 50, Deduct</i>	-0.82
		<i>For &gt;50 To 100, Deduct</i>	-1.68
		<i>For &gt;100, Deduct</i>	-3.36
05 05 19 00-0159	EA	1/2" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	26.42
		<i>For &gt;10 To 50, Deduct</i>	-1.16
		<i>For &gt;50 To 100, Deduct</i>	-2.41
		<i>For &gt;100, Deduct</i>	-4.81
05 05 19 00-0160	EA	5/8" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	37.37
		<i>For &gt;10 To 50, Deduct</i>	-1.44
		<i>For &gt;50 To 100, Deduct</i>	-3.09
		<i>For &gt;100, Deduct</i>	-6.18
05 05 19 00-0161	EA	3/4" Bolt Diameter, Zinc Plated Steel, Single Bolt Expansion Anchor	45.19
		<i>For &gt;10 To 50, Deduct</i>	-1.71
		<i>For &gt;50 To 100, Deduct</i>	-3.70
		<i>For &gt;100, Deduct</i>	-7.39

**05 05 19 00-0162 Concrete Lag Shield Anchors** (05 05 19 00-0002)

Note: Excludes lag bolt and washer.

05 05 19 00-0163	EA	1/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	14.80
		<i>For &gt;10 To 50, Deduct</i>	-0.69
		<i>For &gt;50 To 100, Deduct</i>	-1.40
		<i>For &gt;100, Deduct</i>	-2.81
05 05 19 00-0164	EA	5/16" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	17.60
		<i>For &gt;10 To 50, Deduct</i>	-0.82
		<i>For &gt;50 To 100, Deduct</i>	-1.67
		<i>For &gt;100, Deduct</i>	-3.34
05 05 19 00-0165	EA	3/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	18.43
		<i>For &gt;10 To 50, Deduct</i>	-0.82
		<i>For &gt;50 To 100, Deduct</i>	-1.69
		<i>For &gt;100, Deduct</i>	-3.38
05 05 19 00-0166	EA	1/2" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	25.97
		<i>For &gt;10 To 50, Deduct</i>	-1.16
		<i>For &gt;50 To 100, Deduct</i>	-2.39
		<i>For &gt;100, Deduct</i>	-4.79
05 05 19 00-0167	EA	5/8" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	35.89
		<i>For &gt;10 To 50, Deduct</i>	-1.44
		<i>For &gt;50 To 100, Deduct</i>	-3.05
		<i>For &gt;100, Deduct</i>	-6.11
05 05 19 00-0168	EA	3/4" Bolt Diameter, Zinc Plated Steel, Concrete Lag Shield Anchor	39.86
		<i>For &gt;10 To 50, Deduct</i>	-1.71
		<i>For &gt;50 To 100, Deduct</i>	-3.56
		<i>For &gt;100, Deduct</i>	-7.12

**05 05 19 00-0169 Chemical And Adhesive Anchors** (05 05 19 00-0001)**05 05 19 00-0170 Chemically Adhered Anchor Rods** (05 05 19 00-0169)

Note: Includes drilling hole, injected adhesive or pre-placed adhesive cartridge, nut and washer. Zinc coated carbon steel.

05 05 19 00-0171	EA	1/4" x 1-9/16" Long Chemically Adhered Anchor Rod	19.52
		<i>For &gt;10 To 50, Deduct</i>	-0.76
		<i>For &gt;50 To 100, Deduct</i>	-1.62
		<i>For &gt;100, Deduct</i>	-3.25
05 05 19 00-0172	EA	5/16" x 2-3/8" Long Chemically Adhered Anchor Rod	22.89
		<i>For &gt;10 To 50, Deduct</i>	-0.83
		<i>For &gt;50 To 100, Deduct</i>	-1.81
		<i>For &gt;100, Deduct</i>	-3.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 19 00-0173	EA		3/8" x 2-3/4" Long Chemically Adhered Anchor Rod .....	28.38	
			<i>For &gt;10 To 50, Deduct</i>	-1.03	
			<i>For &gt;50 To 100, Deduct</i>	-2.26	
			<i>For &gt;100, Deduct</i>	-4.52	
05 05 19 00-0174	EA		1/2" x 3-11/16" Long Chemically Adhered Anchor Rod .....	33.47	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.58	
			<i>For &gt;100, Deduct</i>	-5.16	
05 05 19 00-0175	EA		1/2" x 5-1/2" Long Chemically Adhered Anchor Rod .....	35.80	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.64	
			<i>For &gt;100, Deduct</i>	-5.28	
05 05 19 00-0176	EA		5/8" x 7" Long Chemically Adhered Anchor Rod.....	44.30	
			<i>For &gt;10 To 50, Deduct</i>	-1.44	
			<i>For &gt;50 To 100, Deduct</i>	-3.26	
			<i>For &gt;100, Deduct</i>	-6.53	
05 05 19 00-0177	EA		3/4" x 9-1/2" Long Chemically Adhered Anchor Rod .....	58.31	
			<i>For &gt;10 To 50, Deduct</i>	-1.71	
			<i>For &gt;50 To 100, Deduct</i>	-4.02	
			<i>For &gt;100, Deduct</i>	-8.05	
05 05 19 00-0178	EA		7/8" x 10" Long Chemically Adhered Anchor Rod.....	69.97	
			<i>For &gt;10 To 50, Deduct</i>	-1.85	
			<i>For &gt;50 To 100, Deduct</i>	-4.53	
			<i>For &gt;100, Deduct</i>	-9.05	
05 05 19 00-0179	EA		1" x 11-3/4" Long Chemically Adhered Anchor Rod .....	96.23	
			<i>For &gt;10 To 50, Deduct</i>	-2.40	
			<i>For &gt;50 To 100, Deduct</i>	-6.01	
			<i>For &gt;100, Deduct</i>	-12.02	
05 05 19 00-0180	EA		1-1/4" x 14" Long Chemically Adhered Anchor Rod .....	140.19	
			<i>For &gt;10 To 50, Deduct</i>	-3.03	
			<i>For &gt;50 To 100, Deduct</i>	-8.05	
			<i>For &gt;100, Deduct</i>	-16.10	
<b>05 05 19 00-0181</b>			<b>Chemical Adhesives For Bolts, Dowels Or Threaded Rod</b> <small>(05 05 19 00-0169)</small>		
			Note: Injected or drop in cartridge. Sizes listed are for the diameter of the bolt, dowel or rod to be anchored. Includes drilling. Drill a hole 1/16" to 1/4" larger than the diameter of the thread and a depth a minimum of 4-1/2 times the diameter of the bolt. Excludes bolt, dowel or rod.		
05 05 19 00-0182	EA		1/4" Chemical Adhesive For Bolt Or Threaded Rod .....	15.69	
			<i>For &gt;10 To 50, Deduct</i>	-0.76	
			<i>For &gt;50 To 100, Deduct</i>	-1.53	
			<i>For &gt;100, Deduct</i>	-3.06	
05 05 19 00-0183	EA		5/16" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	17.20	
			<i>For &gt;10 To 50, Deduct</i>	-0.83	
			<i>For &gt;50 To 100, Deduct</i>	-1.67	
			<i>For &gt;100, Deduct</i>	-3.34	
05 05 19 00-0184	EA		3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	20.17	
			<i>For &gt;10 To 50, Deduct</i>	-0.96	
			<i>For &gt;50 To 100, Deduct</i>	-1.95	
			<i>For &gt;100, Deduct</i>	-3.90	
05 05 19 00-0185	EA		1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	24.54	
			<i>For &gt;10 To 50, Deduct</i>	-1.16	
			<i>For &gt;50 To 100, Deduct</i>	-2.36	
			<i>For &gt;100, Deduct</i>	-4.72	
05 05 19 00-0186	EA		5/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	28.00	
			<i>For &gt;10 To 50, Deduct</i>	-1.25	
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100, Deduct</i>	-5.14	
05 05 19 00-0187	EA		3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	35.97	
			<i>For &gt;10 To 50, Deduct</i>	-1.53	
			<i>For &gt;50 To 100, Deduct</i>	-3.19	
			<i>For &gt;100, Deduct</i>	-6.38	
05 05 19 00-0188	EA		7/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	39.97	
			<i>For &gt;10 To 50, Deduct</i>	-1.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.46	
			<i>For &gt;100, Deduct</i>	-6.91	
05 05 19 00-0189	EA		1" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	50.33	
			<i>For &gt;10 To 50, Deduct</i>	-1.98	
			<i>For &gt;50 To 100, Deduct</i>	-4.22	
			<i>For &gt;100, Deduct</i>	-8.44	
05 05 19 00-0190	EA		1-1/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	56.12	
			<i>For &gt;10 To 50, Deduct</i>	-2.14	
			<i>For &gt;50 To 100, Deduct</i>	-4.61	
			<i>For &gt;100, Deduct</i>	-9.23	
05 05 19 00-0191	EA		1-1/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	65.77	
			<i>For &gt;10 To 50, Deduct</i>	-2.42	
			<i>For &gt;50 To 100, Deduct</i>	-5.28	
			<i>For &gt;100, Deduct</i>	-10.56	
05 05 19 00-0192	EA		1-3/8" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	74.49	
			<i>For &gt;10 To 50, Deduct</i>	-2.64	
			<i>For &gt;50 To 100, Deduct</i>	-5.83	
			<i>For &gt;100, Deduct</i>	-11.65	
05 05 19 00-0193	EA		1-1/2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	86.39	
			<i>For &gt;10 To 50, Deduct</i>	-2.88	
			<i>For &gt;50 To 100, Deduct</i>	-6.48	
			<i>For &gt;100, Deduct</i>	-12.95	
05 05 19 00-0194	EA		1-3/4" Chemical Adhesive For Bolt, Dowel Or Threaded Rod .....	110.87	
			<i>For &gt;10 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-7.84	
			<i>For &gt;100, Deduct</i>	-15.68	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 19 Post-Installed Concrete Anchors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 19 00-0195	EA 2" Chemical Adhesive For Bolt, Dowel Or Threaded Rod.....	168.18	
	For >10 To 50, Deduct	-4.08	
	For >50 To 100, Deduct	-10.33	
	For >100, Deduct	-20.66	
<b>05 05 19 00-0196</b>	<b>Grout Concrete Anchor Bolt Or Threaded Rod (05 05 19 00-0169)</b>		
05 05 19 00-0197	EA Grout Concrete Anchor Bolt or Threaded Rod.....	6.49	
	For >10 To 50, Deduct	-0.32	
	For >50 To 100, Deduct	-0.64	
	For >100, Deduct	-1.28	
<b>05 05 19 00-0198</b>	<b>Other Concrete And Masonry Anchors (05 05 19 00-0001)</b>		
<b>05 05 19 00-0199</b>	<b>Tapcon Masonry Screws (05 05 19 00-0198)</b>		
	Note: Includes drilling. Countersunk or hex head.		
05 05 19 00-0200	EA 3/16" x 1-1/4" Tapcon Masonry Screw.....	14.20	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.78	
05 05 19 00-0201	EA 3/16" x 2-1/4" Tapcon Masonry Screw.....	14.32	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.78	
05 05 19 00-0202	EA 3/16" x 3-1/4" Tapcon Masonry Screw.....	14.57	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.40	
	For >100, Deduct	-2.79	
05 05 19 00-0203	EA 1/4" x 1-1/4" Tapcon Masonry Screw.....	14.34	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.78	
05 05 19 00-0204	EA 1/4" x 2-1/4" Tapcon Masonry Screw.....	14.48	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.39	
	For >100, Deduct	-2.79	
05 05 19 00-0205	EA 1/4" x 3-1/4" Tapcon Masonry Screw.....	14.77	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.40	
	For >100, Deduct	-2.80	
<b>05 05 19 00-0206</b>	<b>Large Diameter, Self-Threading Concrete Fasteners (05 05 19 00-0198)</b>		
	Note: Includes drilling. Zinc plated.		
05 05 19 00-0207	EA 3/8" x 1-3/4", Large Diameter, Self-Threading Concrete Fastener.....	15.63	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.42	
	For >100, Deduct	-2.85	
05 05 19 00-0208	EA 3/8" x 2-1/2", Large Diameter, Self-Threading Concrete Fastener.....	16.30	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.44	
	For >100, Deduct	-2.88	
05 05 19 00-0209	EA 3/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	16.48	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.44	
	For >100, Deduct	-2.89	
05 05 19 00-0210	EA 3/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	16.81	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.45	
	For >100, Deduct	-2.91	
05 05 19 00-0211	EA 3/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	17.08	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.46	
	For >100, Deduct	-2.92	
05 05 19 00-0212	EA 1/2" x 3", Large Diameter, Self-Threading Concrete Fastener.....	17.66	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.47	
	For >100, Deduct	-2.95	
05 05 19 00-0213	EA 1/2" x 4", Large Diameter, Self-Threading Concrete Fastener.....	18.38	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.49	
	For >100, Deduct	-2.98	
05 05 19 00-0214	EA 1/2" x 5", Large Diameter, Self-Threading Concrete Fastener.....	19.04	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.51	
	For >100, Deduct	-3.02	
05 05 19 00-0215	EA 1/2" x 6", Large Diameter, Self-Threading Concrete Fastener.....	20.89	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.56	
	For >100, Deduct	-3.11	
05 05 19 00-0216	EA 5/8" x 3", Large Diameter, Self-Threading Concrete Fastener.....	21.11	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.56	
	For >100, Deduct	-3.12	
05 05 19 00-0217	EA 5/8" x 4", Large Diameter, Self-Threading Concrete Fastener.....	22.24	
	For >10 To 50, Deduct	-0.69	
	For >50 To 100, Deduct	-1.59	
	For >100, Deduct	-3.18	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 19 00-0218	EA	5/8" x 5", Large Diameter, Self-Threading Concrete Fastener.....	23.40	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.62	
		<i>For &gt;100, Deduct</i>	-3.24	
05 05 19 00-0219	EA	5/8" x 6", Large Diameter, Self-Threading Concrete Fastener.....	24.15	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.64	
		<i>For &gt;100, Deduct</i>	-3.27	
05 05 19 00-0220	EA	3/4" x 4-1/2", Large Diameter, Self-Threading Concrete Fastener.....	23.82	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.63	
		<i>For &gt;100, Deduct</i>	-3.26	
05 05 19 00-0221	EA	3/4" x 5-1/2", Large Diameter, Self-Threading Concrete Fastener.....	24.89	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.66	
		<i>For &gt;100, Deduct</i>	-3.31	
05 05 19 00-0222	EA	3/4" x 6-1/4", Large Diameter, Self-Threading Concrete Fastener.....	27.40	
		<i>For &gt;10 To 50, Deduct</i>	-0.69	
		<i>For &gt;50 To 100, Deduct</i>	-1.72	
		<i>For &gt;100, Deduct</i>	-3.44	
05 05 19 00-0223	<b>Pin Bolt Drives</b> <small>(05 05 19 00-0198)</small>			
	Note: Includes drilling. Zinc plated.			
05 05 19 00-0224	EA	1/4" x 1" Pin Bolt Drive.....	8.92	
		<i>For &gt;10 To 50, Deduct</i>	-0.41	
		<i>For &gt;50 To 100, Deduct</i>	-0.84	
		<i>For &gt;100, Deduct</i>	-1.69	
05 05 19 00-0225	EA	1/4" x 1-1/4" Pin Bolt Drive.....	8.92	
		<i>For &gt;10 To 50, Deduct</i>	-0.41	
		<i>For &gt;50 To 100, Deduct</i>	-0.84	
		<i>For &gt;100, Deduct</i>	-1.69	
05 05 19 00-0226	EA	1/4" x 1-1/2" Pin Bolt Drive.....	9.01	
		<i>For &gt;10 To 50, Deduct</i>	-0.41	
		<i>For &gt;50 To 100, Deduct</i>	-0.84	
		<i>For &gt;100, Deduct</i>	-1.69	
05 05 19 00-0227	EA	1/4" x 2" Pin Bolt Drive.....	9.03	
		<i>For &gt;10 To 50, Deduct</i>	-0.41	
		<i>For &gt;50 To 100, Deduct</i>	-0.85	
		<i>For &gt;100, Deduct</i>	-1.69	
05 05 19 00-0228	<b>Powder Actuated, Shot-In Place Anchors</b> <small>(05 05 19 00-0198)</small>			
05 05 19 00-0229	EA	0.15" Diameter x 1/2" Length, Stud Powder Actuated Anchor .....	2.27	
		<i>For &gt;10 To 50, Deduct</i>	-0.09	
		<i>For &gt;50 To 100, Deduct</i>	-0.20	
		<i>For &gt;100, Deduct</i>	-0.39	
05 05 19 00-0230	EA	0.15" Diameter x 3/4" Length, Stud Powder Actuated Anchor .....	2.41	
		<i>For &gt;10 To 50, Deduct</i>	-0.10	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;100, Deduct</i>	-0.41	
05 05 19 00-0231	EA	0.15"/0.18" Diameter x 1" Length, Stud Powder Actuated Anchor .....	2.61	
		<i>For &gt;10 To 50, Deduct</i>	-0.10	
		<i>For &gt;50 To 100, Deduct</i>	-0.22	
		<i>For &gt;100, Deduct</i>	-0.44	
05 05 19 00-0232	EA	0.15"/0.18" Diameter x 1-1/4" Length, Stud Powder Actuated Anchor.....	2.91	
		<i>For &gt;10 To 50, Deduct</i>	-0.11	
		<i>For &gt;50 To 100, Deduct</i>	-0.24	
		<i>For &gt;100, Deduct</i>	-0.48	
05 05 19 00-0233	EA	0.15"/0.18" Diameter x 1-7/8" Length, Stud Powder Actuated Anchor.....	3.09	
		<i>For &gt;10 To 50, Deduct</i>	-0.11	
		<i>For &gt;50 To 100, Deduct</i>	-0.24	
		<i>For &gt;100, Deduct</i>	-0.48	
05 05 19 00-0234	<b>Powder Actuated, Shot-In Place Anchors With Exposed Thread</b> <small>(05 05 19 00-0198)</small>			
05 05 19 00-0235	EA	0.145" Diameter x 1" Long Shank, 3/4" Thread Length, 1/4" - 20 Treaded Stud Powder Actuated Anchor.....	2.75	
		<i>For &gt;10 To 50, Deduct</i>	-0.10	
		<i>For &gt;50 To 100, Deduct</i>	-0.21	
		<i>For &gt;100, Deduct</i>	-0.43	
05 05 19 00-0236	EA	0.205" Diameter x 1-1/6" Long Shank, 1" Thread Length, 3/8" - 16 Treaded Stud Powder Actuated Anchor.....	3.77	
		<i>For &gt;10 To 50, Deduct</i>	-0.12	
		<i>For &gt;50 To 100, Deduct</i>	-0.27	
		<i>For &gt;100, Deduct</i>	-0.54	

**05 05 21 Fastening Methods for Metal** (05 05)

05 05 21 00-0001	Welding	<small>(05 05 21)</small>		
05 05 21 00-0002	<b>Minimum Charge For Welding</b> <small>(05 05 21 00-0001)</small>			
05 05 21 00-0003	EA	Welding Minimum Charge .....	785.30	
		Note: For projects where the total welding charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
05 05 21 00-0004	<b>Spot Welding</b> <small>(05 05 21 00-0001)</small>			
	See CSI section 05 05 21 00-0007 for a series of welds.			

**05 Metals****05 05 Common Work Results for Metals****05 05 21 Fastening Methods for Metal**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 05 21 00-0005	EA	Up To 15 Spot Weldings, Welds Up To 1" Length Each .....	20.28	
		<i>For Aluminum Welding, Add</i>	3.14	
		<i>For Stainless Steel Welding, Add</i>	5.20	
05 05 21 00-0006	EA	>15 Spot Weldings, Welds Up To 1" Length Each .....	15.81	
		<i>For Aluminum Welding, Add</i>	2.47	
		<i>For Stainless Steel Welding, Add</i>	4.08	

**05 05 21 00-0007 Field Welding (Seam And Stitch Welding) (05 05 21 00-0007)****05 05 21 00-0008 Vertical Fillet Welds (05 05 21 00-0007)**

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0009	LF	1/8" Vertical Fillet Weld .....	12.70	
		<i>For Aluminum Welding, Add</i>	2.40	
		<i>For Stainless Steel Welding, Add</i>	3.80	
		<i>For Up To 25, Add</i>	4.24	
		<i>For &gt;25 To 50, Add</i>	3.01	
05 05 21 00-0010	LF	3/16" Vertical Fillet Weld .....	24.76	
		<i>For Aluminum Welding, Add</i>	4.33	
		<i>For Stainless Steel Welding, Add</i>	6.96	
		<i>For Up To 25, Add</i>	8.41	
		<i>For &gt;25 To 50, Add</i>	5.99	
05 05 21 00-0011	LF	1/4" Vertical Fillet Weld .....	37.17	
		<i>For Aluminum Welding, Add</i>	6.51	
		<i>For Stainless Steel Welding, Add</i>	10.46	
		<i>For Up To 25, Add</i>	12.62	
		<i>For &gt;25 To 50, Add</i>	8.98	
05 05 21 00-0012	LF	5/16" Vertical Fillet Weld .....	49.03	
		<i>For Aluminum Welding, Add</i>	8.61	
		<i>For Stainless Steel Welding, Add</i>	13.83	
		<i>For Up To 25, Add</i>	16.64	
		<i>For &gt;25 To 50, Add</i>	11.84	
05 05 21 00-0013	LF	3/8" Vertical Fillet Weld .....	61.94	
		<i>For Aluminum Welding, Add</i>	10.85	
		<i>For Stainless Steel Welding, Add</i>	17.43	
		<i>For Up To 25, Add</i>	21.03	
		<i>For &gt;25 To 50, Add</i>	14.97	
05 05 21 00-0014	LF	7/16" Vertical Fillet Weld .....	72.35	
		<i>For Aluminum Welding, Add</i>	12.08	
		<i>For Stainless Steel Welding, Add</i>	19.63	
		<i>For Up To 25, Add</i>	24.81	
		<i>For &gt;25 To 50, Add</i>	17.68	
05 05 21 00-0015	LF	1/2" Vertical Fillet Weld .....	84.67	
		<i>For Aluminum Welding, Add</i>	14.87	
		<i>For Stainless Steel Welding, Add</i>	23.88	
		<i>For Up To 25, Add</i>	28.73	
		<i>For &gt;25 To 50, Add</i>	20.45	
05 05 21 00-0016	LF	9/16" Vertical Fillet Weld .....	99.32	
		<i>For Aluminum Welding, Add</i>	16.84	
		<i>For Stainless Steel Welding, Add</i>	27.25	
		<i>For Up To 25, Add</i>	33.95	
		<i>For &gt;25 To 50, Add</i>	24.18	
05 05 21 00-0017	LF	5/8" Vertical Fillet Weld .....	115.12	
		<i>For Aluminum Welding, Add</i>	19.57	
		<i>For Stainless Steel Welding, Add</i>	31.65	
		<i>For Up To 25, Add</i>	39.33	
		<i>For &gt;25 To 50, Add</i>	28.01	
05 05 21 00-0018	LF	3/4" Vertical Fillet Weld .....	154.97	
		<i>For Aluminum Welding, Add</i>	27.19	
		<i>For Stainless Steel Welding, Add</i>	43.68	
		<i>For Up To 25, Add</i>	52.59	
		<i>For &gt;25 To 50, Add</i>	37.43	
05 05 21 00-0019	LF	7/8" Vertical Fillet Weld .....	229.92	
		<i>For Aluminum Welding, Add</i>	38.89	
		<i>For Stainless Steel Welding, Add</i>	62.98	
		<i>For Up To 25, Add</i>	78.64	
		<i>For &gt;25 To 50, Add</i>	56.01	
05 05 21 00-0020	LF	1" Vertical Fillet Weld .....	309.07	
		<i>For Aluminum Welding, Add</i>	53.73	
		<i>For Stainless Steel Welding, Add</i>	86.49	
		<i>For Up To 25, Add</i>	105.10	
		<i>For &gt;25 To 50, Add</i>	74.81	

**05 05 21 00-0021 Horizontal Or Flat Fillet Welds (05 05 21 00-0007)**

Note: For existing steel and moment connections. Includes tack welds for proper alignment until the final welds are made.

05 05 21 00-0022	LF	1/8" Horizontal Or Flat Fillet Weld .....	10.66	
		<i>For Aluminum Welding, Add</i>	2.10	
		<i>For Stainless Steel Welding, Add</i>	3.29	
		<i>For Up To 25, Add</i>	3.52	
		<i>For &gt;25 To 50, Add</i>	2.50	
05 05 21 00-0023	LF	3/16" Horizontal Or Flat Fillet Weld .....	20.93	
		<i>For Aluminum Welding, Add</i>	3.79	
		<i>For Stainless Steel Welding, Add</i>	6.04	
		<i>For Up To 25, Add</i>	7.06	
		<i>For &gt;25 To 50, Add</i>	5.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 21 00-0024	LF		1/4" Horizontal Or Flat Fillet Weld.....	31.30	
			For Aluminum Welding, Add	5.67	
			For Stainless Steel Welding, Add	9.04	
			For Up To 25, Add	10.55	
			For >25 To 50, Add	7.50	
05 05 21 00-0025	LF		5/16" Horizontal Or Flat Fillet Weld.....	41.35	
			For Aluminum Welding, Add	7.53	
			For Stainless Steel Welding, Add	12.00	
			For Up To 25, Add	13.92	
			For >25 To 50, Add	9.90	
05 05 21 00-0026	LF		3/8" Horizontal Or Flat Fillet Weld.....	52.21	
			For Aluminum Welding, Add	9.45	
			For Stainless Steel Welding, Add	15.07	
			For Up To 25, Add	17.60	
			For >25 To 50, Add	12.51	
05 05 21 00-0027	LF		7/16" Horizontal Or Flat Fillet Weld.....	60.78	
			For Aluminum Welding, Add	10.41	
			For Stainless Steel Welding, Add	16.82	
			For Up To 25, Add	20.73	
			For >25 To 50, Add	14.76	
05 05 21 00-0028	LF		1/2" Horizontal Or Flat Fillet Weld.....	71.29	
			For Aluminum Welding, Add	12.96	
			For Stainless Steel Welding, Add	20.65	
			For Up To 25, Add	24.01	
			For >25 To 50, Add	17.07	
05 05 21 00-0029	LF		9/16" Horizontal Or Flat Fillet Weld.....	83.58	
			For Aluminum Welding, Add	14.61	
			For Stainless Steel Welding, Add	23.48	
			For Up To 25, Add	28.39	
			For >25 To 50, Add	20.21	
05 05 21 00-0030	LF		5/8" Horizontal Or Flat Fillet Weld.....	97.22	
			For Aluminum Welding, Add	17.27	
			For Stainless Steel Welding, Add	27.66	
			For Up To 25, Add	32.91	
			For >25 To 50, Add	23.41	
05 05 21 00-0031	LF		3/4" Horizontal Or Flat Fillet Weld.....	130.62	
			For Aluminum Welding, Add	23.73	
			For Stainless Steel Welding, Add	37.83	
			For Up To 25, Add	43.99	
			For >25 To 50, Add	31.28	
05 05 21 00-0032	LF		7/8" Horizontal Or Flat Fillet Weld.....	192.34	
			For Aluminum Welding, Add	32.96	
			For Stainless Steel Welding, Add	53.22	
			For Up To 25, Add	65.61	
			For >25 To 50, Add	46.72	
05 05 21 00-0033	LF		1" Horizontal Or Flat Fillet Weld.....	259.59	
			For Aluminum Welding, Add	46.67	
			For Stainless Steel Welding, Add	74.56	
			For Up To 25, Add	87.64	
			For >25 To 50, Add	62.32	

**05 05 23 Metal Fastenings** (05 05)

05 05 23 00-0001	Hex Bolts	<small>(05 05 23)</small>			
Note: For owner furnished materials or where requested by the owner. Excludes drilling through wood, steel, concrete, brick or block. See CSI section 02 41 19 13-0221 for drilling into concrete, 02 41 19 13-0236 for drilling into brick or block, 05 05 23 00-1567 for drilling through steel.					
05 05 23 00-0002	A307B Heavy Hex Bolts	<small>(05 05 23 00-0001)</small>			
Note: Includes A307B heavy hex nut and two structural washers.					
05 05 23 00-0003	Plain Finish A307B Heavy Hex Bolts	<small>(05 05 23 00-0002)</small>			
05 05 23 00-0004	EA		1/2" Diameter x 1-1/2" Long, Plain Finish A307B Heavy Hex Bolt.....	22.08	2.30
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-1.99	
			For >100, Deduct	-3.98	
05 05 23 00-0005	EA		1/2" Diameter x 3" Long, Plain Finish A307B Heavy Hex Bolt.....	23.74	2.30
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-2.03	
			For >100, Deduct	-4.07	
05 05 23 00-0006	EA		5/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	23.78	2.30
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-2.03	
			For >100, Deduct	-4.07	
05 05 23 00-0007	EA		5/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	28.05	2.63
			For >10 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.35	
			For >100, Deduct	-4.69	
05 05 23 00-0008	EA		3/4" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt.....	26.57	2.30
			For >10 To 50, Deduct	-0.96	
			For >50 To 100, Deduct	-2.10	
			For >100, Deduct	-4.21	
05 05 23 00-0009	EA		3/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt.....	31.51	2.63
			For >10 To 50, Deduct	-1.10	
			For >50 To 100, Deduct	-2.43	
			For >100, Deduct	-4.86	
05 05 23 00-0010	EA		3/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt.....	38.35	2.75
			For >10 To 50, Deduct	-1.15	
			For >50 To 100, Deduct	-2.68	
			For >100, Deduct	-5.36	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0011	EA	3/4" Diameter x 8" Long, Plain Finish A307B Heavy Hex Bolt	41.04	2.89
		<i>For &gt;10 To 50, Deduct</i>	-1.21	
		<i>For &gt;50 To 100, Deduct</i>	-2.83	
		<i>For &gt;100, Deduct</i>	-5.67	
05 05 23 00-0012	EA	7/8" Diameter x 2" Long, Plain Finish A307B Heavy Hex Bolt	31.17	2.50
		<i>For &gt;10 To 50, Deduct</i>	-1.04	
		<i>For &gt;50 To 100, Deduct</i>	-2.34	
		<i>For &gt;100, Deduct</i>	-4.68	
05 05 23 00-0013	EA	7/8" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	36.88	2.75
		<i>For &gt;10 To 50, Deduct</i>	-1.14	
		<i>For &gt;50 To 100, Deduct</i>	-2.64	
		<i>For &gt;100, Deduct</i>	-5.28	
05 05 23 00-0014	EA	1" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	42.53	2.89
		<i>For &gt;10 To 50, Deduct</i>	-1.21	
		<i>For &gt;50 To 100, Deduct</i>	-2.87	
		<i>For &gt;100, Deduct</i>	-5.74	
05 05 23 00-0015	EA	1" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	57.88	3.04
		<i>For &gt;10 To 50, Deduct</i>	-1.27	
		<i>For &gt;50 To 100, Deduct</i>	-3.35	
		<i>For &gt;100, Deduct</i>	-6.69	
05 05 23 00-0016	EA	1-1/4" Diameter x 4" Long, Plain Finish A307B Heavy Hex Bolt	67.43	3.43
		<i>For &gt;10 To 50, Deduct</i>	-1.43	
		<i>For &gt;50 To 100, Deduct</i>	-3.83	
		<i>For &gt;100, Deduct</i>	-7.66	
05 05 23 00-0017	EA	1-1/4" Diameter x 6" Long, Plain Finish A307B Heavy Hex Bolt	75.41	3.67
		<i>For &gt;10 To 50, Deduct</i>	-1.53	
		<i>For &gt;50 To 100, Deduct</i>	-4.18	
		<i>For &gt;100, Deduct</i>	-8.37	

05 05 23 00-0018 Galvanized A307B Heavy Hex Bolts (05 05 23 00-0002)

05 05 23 00-0019	EA	1/2" Diameter x 1-1/2" Long, Galvanized A307B Heavy Hex Bolt	22.89	2.30
		<i>For &gt;10 To 50, Deduct</i>	-0.96	
		<i>For &gt;50 To 100, Deduct</i>	-2.01	
		<i>For &gt;100, Deduct</i>	-4.02	
05 05 23 00-0020	EA	1/2" Diameter x 3" Long, Galvanized A307B Heavy Hex Bolt	24.28	2.30
		<i>For &gt;10 To 50, Deduct</i>	-0.96	
		<i>For &gt;50 To 100, Deduct</i>	-2.05	
		<i>For &gt;100, Deduct</i>	-4.09	
05 05 23 00-0021	EA	5/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	25.79	2.30
		<i>For &gt;10 To 50, Deduct</i>	-0.96	
		<i>For &gt;50 To 100, Deduct</i>	-2.08	
		<i>For &gt;100, Deduct</i>	-4.17	
05 05 23 00-0022	EA	5/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	30.06	2.63
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.40	
		<i>For &gt;100, Deduct</i>	-4.79	
05 05 23 00-0023	EA	3/4" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	28.86	2.30
		<i>For &gt;10 To 50, Deduct</i>	-0.96	
		<i>For &gt;50 To 100, Deduct</i>	-2.16	
		<i>For &gt;100, Deduct</i>	-4.32	
05 05 23 00-0024	EA	3/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	35.73	2.63
		<i>For &gt;10 To 50, Deduct</i>	-1.10	
		<i>For &gt;50 To 100, Deduct</i>	-2.54	
		<i>For &gt;100, Deduct</i>	-5.07	
05 05 23 00-0025	EA	3/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	45.63	2.75
		<i>For &gt;10 To 50, Deduct</i>	-1.15	
		<i>For &gt;50 To 100, Deduct</i>	-2.86	
		<i>For &gt;100, Deduct</i>	-5.72	
05 05 23 00-0026	EA	3/4" Diameter x 8" Long, Galvanized A307B Heavy Hex Bolt	52.82	2.89
		<i>For &gt;10 To 50, Deduct</i>	-1.21	
		<i>For &gt;50 To 100, Deduct</i>	-3.13	
		<i>For &gt;100, Deduct</i>	-6.26	
05 05 23 00-0027	EA	7/8" Diameter x 2" Long, Galvanized A307B Heavy Hex Bolt	37.15	2.50
		<i>For &gt;10 To 50, Deduct</i>	-1.04	
		<i>For &gt;50 To 100, Deduct</i>	-2.49	
		<i>For &gt;100, Deduct</i>	-4.98	
05 05 23 00-0028	EA	7/8" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	43.62	2.75
		<i>For &gt;10 To 50, Deduct</i>	-1.14	
		<i>For &gt;50 To 100, Deduct</i>	-2.81	
		<i>For &gt;100, Deduct</i>	-5.61	
05 05 23 00-0029	EA	1" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	51.22	2.89
		<i>For &gt;10 To 50, Deduct</i>	-1.21	
		<i>For &gt;50 To 100, Deduct</i>	-3.09	
		<i>For &gt;100, Deduct</i>	-6.18	
05 05 23 00-0030	EA	1" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	73.65	3.04
		<i>For &gt;10 To 50, Deduct</i>	-1.27	
		<i>For &gt;50 To 100, Deduct</i>	-3.74	
		<i>For &gt;100, Deduct</i>	-7.48	
05 05 23 00-0031	EA	1-1/4" Diameter x 4" Long, Galvanized A307B Heavy Hex Bolt	74.49	3.43
		<i>For &gt;10 To 50, Deduct</i>	-1.43	
		<i>For &gt;50 To 100, Deduct</i>	-4.01	
		<i>For &gt;100, Deduct</i>	-8.01	
05 05 23 00-0032	EA	1-1/4" Diameter x 6" Long, Galvanized A307B Heavy Hex Bolt	91.74	3.67
		<i>For &gt;10 To 50, Deduct</i>	-1.53	
		<i>For &gt;50 To 100, Deduct</i>	-4.59	
		<i>For &gt;100, Deduct</i>	-9.18	

05 05 23 00-0033 A325 High Strength Structural Bolts (05 05 23 00-0001)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 05 23 00-0034</b>		<b>Plain Finish A325 High Strength Structural Bolts</b> (05 05 23 00-0033) Note: Includes A325 heavy hex nut and structural washer.		
05 05 23 00-0035	EA	1/2" Diameter x 1-1/2" Long, Plain Finish A325 High Strength Structural Bolt.....	21.69	2.30
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-1.98	
		For >100, Deduct	-3.96	
05 05 23 00-0036	EA	1/2" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	22.06	2.30
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-1.99	
		For >100, Deduct	-3.98	
05 05 23 00-0037	EA	5/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	23.23	2.30
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.02	
		For >100, Deduct	-4.04	
05 05 23 00-0038	EA	5/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	28.08	2.63
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.35	
		For >100, Deduct	-4.70	
05 05 23 00-0039	EA	5/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	31.85	2.75
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.52	
		For >100, Deduct	-5.03	
05 05 23 00-0040	EA	3/4" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	24.86	2.30
		For >10 To 50, Deduct	-0.96	
		For >50 To 100, Deduct	-2.06	
		For >100, Deduct	-4.12	
05 05 23 00-0041	EA	3/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	29.81	2.63
		For >10 To 50, Deduct	-1.10	
		For >50 To 100, Deduct	-2.39	
		For >100, Deduct	-4.78	
05 05 23 00-0042	EA	3/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	33.39	2.75
		For >10 To 50, Deduct	-1.15	
		For >50 To 100, Deduct	-2.55	
		For >100, Deduct	-5.11	
05 05 23 00-0043	EA	3/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	40.00	2.89
		For >10 To 50, Deduct	-1.21	
		For >50 To 100, Deduct	-2.81	
		For >100, Deduct	-5.62	
05 05 23 00-0044	EA	7/8" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	28.49	2.50
		For >10 To 50, Deduct	-1.04	
		For >50 To 100, Deduct	-2.28	
		For >100, Deduct	-4.55	
05 05 23 00-0045	EA	7/8" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	34.02	2.75
		For >10 To 50, Deduct	-1.14	
		For >50 To 100, Deduct	-2.57	
		For >100, Deduct	-5.13	
05 05 23 00-0046	EA	7/8" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	38.31	2.89
		For >10 To 50, Deduct	-1.21	
		For >50 To 100, Deduct	-2.77	
		For >100, Deduct	-5.53	
05 05 23 00-0047	EA	7/8" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	41.30	3.04
		For >10 To 50, Deduct	-1.27	
		For >50 To 100, Deduct	-2.93	
		For >100, Deduct	-5.86	
05 05 23 00-0048	EA	1" Diameter x 2" Long, Plain Finish A325 High Strength Structural Bolt.....	31.11	2.60
		For >10 To 50, Deduct	-1.08	
		For >50 To 100, Deduct	-2.40	
		For >100, Deduct	-4.80	
05 05 23 00-0049	EA	1" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	36.92	2.89
		For >10 To 50, Deduct	-1.21	
		For >50 To 100, Deduct	-2.73	
		For >100, Deduct	-5.46	
05 05 23 00-0050	EA	1" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	42.08	3.04
		For >10 To 50, Deduct	-1.27	
		For >50 To 100, Deduct	-2.95	
		For >100, Deduct	-5.90	
05 05 23 00-0051	EA	1" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	52.45	3.23
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.33	
		For >100, Deduct	-6.67	
05 05 23 00-0052	EA	1-1/4" Diameter x 3" Long, Plain Finish A325 High Strength Structural Bolt.....	50.40	3.23
		For >10 To 50, Deduct	-1.35	
		For >50 To 100, Deduct	-3.28	
		For >100, Deduct	-6.57	
05 05 23 00-0053	EA	1-1/4" Diameter x 4" Long, Plain Finish A325 High Strength Structural Bolt.....	56.59	3.43
		For >10 To 50, Deduct	-1.43	
		For >50 To 100, Deduct	-3.56	
		For >100, Deduct	-7.12	
05 05 23 00-0054	EA	1-1/4" Diameter x 6" Long, Plain Finish A325 High Strength Structural Bolt.....	65.66	3.67
		For >10 To 50, Deduct	-1.53	
		For >50 To 100, Deduct	-3.94	
		For >100, Deduct	-7.88	
05 05 23 00-0055	EA	1-1/4" Diameter x 8" Long, Plain Finish A325 High Strength Structural Bolt.....	76.22	3.93
		For >10 To 50, Deduct	-1.63	
		For >50 To 100, Deduct	-4.36	
		For >100, Deduct	-8.71	

**05 05 23 00-0056 Galvanized A325 High Strength Structural Bolts** (05 05 23 00-0033)  
 Note: Includes A325 heavy hex nut and structural washer.

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0057	EA 1/2" Diameter x 1-1/2" Long, Galvanized A325 High Strength Structural Bolt .....	22.43	2.30
	For >10 To 50, Deduct	-0.96	
	For >50 To 100, Deduct	-2.00	
	For >100, Deduct	-4.00	
05 05 23 00-0058	EA 1/2" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt.....	22.69	2.30
	For >10 To 50, Deduct	-0.96	
	For >50 To 100, Deduct	-2.01	
	For >100, Deduct	-4.01	
05 05 23 00-0059	EA 5/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	24.78	2.30
	For >10 To 50, Deduct	-0.96	
	For >50 To 100, Deduct	-2.06	
	For >100, Deduct	-4.12	
05 05 23 00-0060	EA 5/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	29.18	2.63
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.38	
	For >100, Deduct	-4.75	
05 05 23 00-0061	EA 5/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	30.80	2.75
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.49	
	For >100, Deduct	-4.98	
05 05 23 00-0062	EA 3/4" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	25.58	2.30
	For >10 To 50, Deduct	-0.96	
	For >50 To 100, Deduct	-2.08	
	For >100, Deduct	-4.16	
05 05 23 00-0063	EA 3/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	30.71	2.63
	For >10 To 50, Deduct	-1.10	
	For >50 To 100, Deduct	-2.41	
	For >100, Deduct	-4.82	
05 05 23 00-0064	EA 3/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	34.79	2.75
	For >10 To 50, Deduct	-1.15	
	For >50 To 100, Deduct	-2.59	
	For >100, Deduct	-5.18	
05 05 23 00-0065	EA 3/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	43.31	2.89
	For >10 To 50, Deduct	-1.21	
	For >50 To 100, Deduct	-2.89	
	For >100, Deduct	-5.78	
05 05 23 00-0066	EA 7/8" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	32.76	2.50
	For >10 To 50, Deduct	-1.04	
	For >50 To 100, Deduct	-2.38	
	For >100, Deduct	-4.76	
05 05 23 00-0067	EA 7/8" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	36.55	2.75
	For >10 To 50, Deduct	-1.14	
	For >50 To 100, Deduct	-2.63	
	For >100, Deduct	-5.26	
05 05 23 00-0068	EA 7/8" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	41.37	2.89
	For >10 To 50, Deduct	-1.21	
	For >50 To 100, Deduct	-2.84	
	For >100, Deduct	-5.69	
05 05 23 00-0069	EA 7/8" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	50.48	3.04
	For >10 To 50, Deduct	-1.27	
	For >50 To 100, Deduct	-3.16	
	For >100, Deduct	-6.32	
05 05 23 00-0070	EA 1" Diameter x 2" Long, Galvanized A325 High Strength Structural Bolt.....	34.43	2.60
	For >10 To 50, Deduct	-1.08	
	For >50 To 100, Deduct	-2.48	
	For >100, Deduct	-4.97	
05 05 23 00-0071	EA 1" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt.....	44.53	2.89
	For >10 To 50, Deduct	-1.21	
	For >50 To 100, Deduct	-2.92	
	For >100, Deduct	-5.84	
05 05 23 00-0072	EA 1" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt.....	48.45	3.04
	For >10 To 50, Deduct	-1.27	
	For >50 To 100, Deduct	-3.11	
	For >100, Deduct	-6.22	
05 05 23 00-0073	EA 1" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt.....	60.31	3.23
	For >10 To 50, Deduct	-1.35	
	For >50 To 100, Deduct	-3.53	
	For >100, Deduct	-7.06	
05 05 23 00-0074	EA 1-1/4" Diameter x 3" Long, Galvanized A325 High Strength Structural Bolt .....	59.99	3.23
	For >10 To 50, Deduct	-1.35	
	For >50 To 100, Deduct	-3.52	
	For >100, Deduct	-7.05	
05 05 23 00-0075	EA 1-1/4" Diameter x 4" Long, Galvanized A325 High Strength Structural Bolt .....	63.92	3.43
	For >10 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.74	
	For >100, Deduct	-7.49	
05 05 23 00-0076	EA 1-1/4" Diameter x 6" Long, Galvanized A325 High Strength Structural Bolt .....	74.05	3.67
	For >10 To 50, Deduct	-1.53	
	For >50 To 100, Deduct	-4.15	
	For >100, Deduct	-8.30	
05 05 23 00-0077	EA 1-1/4" Diameter x 8" Long, Galvanized A325 High Strength Structural Bolt .....	84.98	3.93
	For >10 To 50, Deduct	-1.63	
	For >50 To 100, Deduct	-4.58	
	For >100, Deduct	-9.15	

05 05 23 00-0078 A490 High Strength Structural Bolts (05 05 23 00-0001)  
Note: Includes A490 heavy hex nut and two structural washers.

05 05 23 00-0079 Plain Finish A490 High Strength Structural Bolts (05 05 23 00-0078)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0080	EA		5/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	23.81	2.30
			<i>For &gt;10 To 50, Deduct</i>	-0.96	
			<i>For &gt;50 To 100, Deduct</i>	-2.04	
			<i>For &gt;100, Deduct</i>	-4.07	
05 05 23 00-0081	EA		5/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	32.07	2.63
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.45	
			<i>For &gt;100, Deduct</i>	-4.89	
05 05 23 00-0082	EA		5/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	34.14	2.75
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.57	
			<i>For &gt;100, Deduct</i>	-5.15	
05 05 23 00-0083	EA		3/4" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	26.07	2.30
			<i>For &gt;10 To 50, Deduct</i>	-0.96	
			<i>For &gt;50 To 100, Deduct</i>	-2.09	
			<i>For &gt;100, Deduct</i>	-4.18	
05 05 23 00-0084	EA		3/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	31.19	2.63
			<i>For &gt;10 To 50, Deduct</i>	-1.10	
			<i>For &gt;50 To 100, Deduct</i>	-2.42	
			<i>For &gt;100, Deduct</i>	-4.85	
05 05 23 00-0085	EA		3/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	35.61	2.75
			<i>For &gt;10 To 50, Deduct</i>	-1.15	
			<i>For &gt;50 To 100, Deduct</i>	-2.61	
			<i>For &gt;100, Deduct</i>	-5.22	
05 05 23 00-0086	EA		3/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	44.31	2.89
			<i>For &gt;10 To 50, Deduct</i>	-1.21	
			<i>For &gt;50 To 100, Deduct</i>	-2.92	
			<i>For &gt;100, Deduct</i>	-5.83	
05 05 23 00-0087	EA		7/8" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	29.88	2.50
			<i>For &gt;10 To 50, Deduct</i>	-1.04	
			<i>For &gt;50 To 100, Deduct</i>	-2.31	
			<i>For &gt;100, Deduct</i>	-4.62	
05 05 23 00-0088	EA		7/8" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	34.47	2.75
			<i>For &gt;10 To 50, Deduct</i>	-1.14	
			<i>For &gt;50 To 100, Deduct</i>	-2.58	
			<i>For &gt;100, Deduct</i>	-5.16	
05 05 23 00-0089	EA		7/8" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	47.30	2.89
			<i>For &gt;10 To 50, Deduct</i>	-1.21	
			<i>For &gt;50 To 100, Deduct</i>	-2.99	
			<i>For &gt;100, Deduct</i>	-5.98	
05 05 23 00-0090	EA		1" Diameter x 2" Long, Plain Finish A490 High Strength Structural Bolt.....	34.36	2.60
			<i>For &gt;10 To 50, Deduct</i>	-1.08	
			<i>For &gt;50 To 100, Deduct</i>	-2.48	
			<i>For &gt;100, Deduct</i>	-4.97	
05 05 23 00-0091	EA		1" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	40.57	2.89
			<i>For &gt;10 To 50, Deduct</i>	-1.21	
			<i>For &gt;50 To 100, Deduct</i>	-2.82	
			<i>For &gt;100, Deduct</i>	-5.65	
05 05 23 00-0092	EA		1" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	46.00	3.04
			<i>For &gt;10 To 50, Deduct</i>	-1.27	
			<i>For &gt;50 To 100, Deduct</i>	-3.05	
			<i>For &gt;100, Deduct</i>	-6.10	
05 05 23 00-0093	EA		1-1/4" Diameter x 3" Long, Plain Finish A490 High Strength Structural Bolt.....	56.20	3.23
			<i>For &gt;10 To 50, Deduct</i>	-1.35	
			<i>For &gt;50 To 100, Deduct</i>	-3.43	
			<i>For &gt;100, Deduct</i>	-6.86	
05 05 23 00-0094	EA		1-1/4" Diameter x 4" Long, Plain Finish A490 High Strength Structural Bolt.....	70.44	3.43
			<i>For &gt;10 To 50, Deduct</i>	-1.43	
			<i>For &gt;50 To 100, Deduct</i>	-3.91	
			<i>For &gt;100, Deduct</i>	-7.81	
05 05 23 00-0095	EA		1-1/4" Diameter x 6" Long, Plain Finish A490 High Strength Structural Bolt.....	74.28	3.67
			<i>For &gt;10 To 50, Deduct</i>	-1.53	
			<i>For &gt;50 To 100, Deduct</i>	-4.16	
			<i>For &gt;100, Deduct</i>	-8.31	
05 05 23 00-0096	EA		1-1/4" Diameter x 8" Long, Plain Finish A490 High Strength Structural Bolt.....	77.70	3.93
			<i>For &gt;10 To 50, Deduct</i>	-1.63	
			<i>For &gt;50 To 100, Deduct</i>	-4.39	
			<i>For &gt;100, Deduct</i>	-8.79	
05 05 23 00-0097			Hex Head Bolts <small>(05 05 23 00-0001)</small>		
05 05 23 00-0098			Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0099			1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0100	EA		1/4" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.74	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0101	EA		1/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0102	EA		1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0103	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.91
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0104	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.22
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0105	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.26
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0106	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.40
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0107	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.65
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-2.28
		<i>For &gt;500, Deduct</i>	-2.73
05 05 23 00-0108	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.70
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-2.28
		<i>For &gt;500, Deduct</i>	-2.73
05 05 23 00-0109	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.92
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-2.28
		<i>For &gt;500, Deduct</i>	-2.73
05 05 23 00-0110	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.32
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0111	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.48
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0112	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.71
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0113	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.46
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0114	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.81
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0115	EA	1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.90
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88

## 05 05 23 00-0116 5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05

23 00-0098)

05 05 23 00-0117	EA	5/16" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.82
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0118	EA	5/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.85
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0119	EA	5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.93
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0120	EA	5/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.99
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0121	EA	5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.32
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0122	EA	5/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.47
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0123	EA	5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.52
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0124	EA	5/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.91
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-2.28
		<i>For &gt;500, Deduct</i>	-2.73

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0125	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.12	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0126	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.20	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0127	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.51	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0128	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.59	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0129	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0130	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.04	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0131	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0132	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0133			<b>3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0134	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0135	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0136	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0137	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0138	EA		3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0139	EA		3/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0140	EA		3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0141	EA		3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.30	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0142	EA		3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0143	EA		3/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0144	EA		3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0145	EA		3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0146	EA		3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0147	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.71
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0148	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.86
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0149	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.07
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88

**05 05 23 00-0150 7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05

05 05 23 00-0151	EA	<small>23 00-0099</small> 7/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.60
		<i>For &gt;100 To 250, Deduct</i>	-1.97
		<i>For &gt;250 To 500, Deduct</i>	-2.46
		<i>For &gt;500, Deduct</i>	-2.95
05 05 23 00-0152	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.75
		<i>For &gt;100 To 250, Deduct</i>	-1.97
		<i>For &gt;250 To 500, Deduct</i>	-2.46
		<i>For &gt;500, Deduct</i>	-2.95
05 05 23 00-0153	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.77
		<i>For &gt;100 To 250, Deduct</i>	-1.97
		<i>For &gt;250 To 500, Deduct</i>	-2.46
		<i>For &gt;500, Deduct</i>	-2.95
05 05 23 00-0154	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.22
		<i>For &gt;100 To 250, Deduct</i>	-2.02
		<i>For &gt;250 To 500, Deduct</i>	-2.52
		<i>For &gt;500, Deduct</i>	-3.03
05 05 23 00-0155	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.45
		<i>For &gt;100 To 250, Deduct</i>	-2.02
		<i>For &gt;250 To 500, Deduct</i>	-2.52
		<i>For &gt;500, Deduct</i>	-3.03
05 05 23 00-0156	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63
		<i>For &gt;100 To 250, Deduct</i>	-2.02
		<i>For &gt;250 To 500, Deduct</i>	-2.52
		<i>For &gt;500, Deduct</i>	-3.03
05 05 23 00-0157	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.36
		<i>For &gt;100 To 250, Deduct</i>	-2.07
		<i>For &gt;250 To 500, Deduct</i>	-2.58
		<i>For &gt;500, Deduct</i>	-3.10
05 05 23 00-0158	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.50
		<i>For &gt;100 To 250, Deduct</i>	-2.07
		<i>For &gt;250 To 500, Deduct</i>	-2.58
		<i>For &gt;500, Deduct</i>	-3.10
05 05 23 00-0159	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.77
		<i>For &gt;100 To 250, Deduct</i>	-2.07
		<i>For &gt;250 To 500, Deduct</i>	-2.58
		<i>For &gt;500, Deduct</i>	-3.10
05 05 23 00-0160	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.46
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.17
05 05 23 00-0161	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.60
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.17
05 05 23 00-0162	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.94
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.17
05 05 23 00-0163	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.34
		<i>For &gt;100 To 250, Deduct</i>	-2.17
		<i>For &gt;250 To 500, Deduct</i>	-2.71
		<i>For &gt;500, Deduct</i>	-3.25
05 05 23 00-0164	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.65
		<i>For &gt;100 To 250, Deduct</i>	-2.17
		<i>For &gt;250 To 500, Deduct</i>	-2.71
		<i>For &gt;500, Deduct</i>	-3.25
05 05 23 00-0165	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.26
		<i>For &gt;100 To 250, Deduct</i>	-2.17
		<i>For &gt;250 To 500, Deduct</i>	-2.71
		<i>For &gt;500, Deduct</i>	-3.25

**05 05 23 00-0166 1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05

05 05 23 00-0167	EA	<small>23 00-0099</small> 1/2" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.47
		<i>For &gt;100 To 250, Deduct</i>	-1.97
		<i>For &gt;250 To 500, Deduct</i>	-2.46
		<i>For &gt;500, Deduct</i>	-2.95
05 05 23 00-0168	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.65
		<i>For &gt;100 To 250, Deduct</i>	-1.97
		<i>For &gt;250 To 500, Deduct</i>	-2.46
		<i>For &gt;500, Deduct</i>	-2.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0169	EA		1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.83	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0170	EA		1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.29	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0171	EA		1/2" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0172	EA		1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0173	EA		1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.15	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0174	EA		1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.36	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0175	EA		1/2" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.74	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0176	EA		1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0177	EA		1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.08	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0178	EA		1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0179	EA		1/2" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.94	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0180	EA		1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.14	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0181	EA		1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.69	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0182	EA		1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.21	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0183	EA		1/2" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.41	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0184	EA		1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.18	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0185	EA		1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0186			9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small>		
05 05 23 00-0187	EA		9/16" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0188	EA		9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0189	EA		9/16" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.97	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0190	EA		9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0191	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.35	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0192	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.46	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0193	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.74	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0194	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.82	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0195	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.09	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0196	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.40	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0197	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.48	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0198	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.72	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0199	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.23	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0200	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.52	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0201	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.81	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0202	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.31	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0203	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.65	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0204	EA	9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.88	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0205	EA	9/16" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.23	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	

**05 05 23 00-0206 5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05

05 05 23 00-0207	EA	5/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.43	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0208	EA	5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.60	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0209	EA	5/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.81	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0210	EA	5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.35	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0211	EA	5/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.67	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0212	EA	5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.07	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0213 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.81	
<i>For &gt;100 To 250, Deduct</i>	-2.31	
<i>For &gt;250 To 500, Deduct</i>	-2.89	
<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0214 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.42	
<i>For &gt;100 To 250, Deduct</i>	-2.31	
<i>For &gt;250 To 500, Deduct</i>	-2.89	
<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0215 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.90	
<i>For &gt;100 To 250, Deduct</i>	-2.31	
<i>For &gt;250 To 500, Deduct</i>	-2.89	
<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0216 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.34	
<i>For &gt;100 To 250, Deduct</i>	-2.36	
<i>For &gt;250 To 500, Deduct</i>	-2.95	
<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0217 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.40	
<i>For &gt;100 To 250, Deduct</i>	-2.36	
<i>For &gt;250 To 500, Deduct</i>	-2.95	
<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0218 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.21	
<i>For &gt;100 To 250, Deduct</i>	-2.36	
<i>For &gt;250 To 500, Deduct</i>	-2.95	
<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0219 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.92	
<i>For &gt;100 To 250, Deduct</i>	-2.41	
<i>For &gt;250 To 500, Deduct</i>	-3.02	
<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0220 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.56	
<i>For &gt;100 To 250, Deduct</i>	-2.41	
<i>For &gt;250 To 500, Deduct</i>	-3.02	
<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0221 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.31	
<i>For &gt;100 To 250, Deduct</i>	-2.41	
<i>For &gt;250 To 500, Deduct</i>	-3.02	
<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0222 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.36	
<i>For &gt;100 To 250, Deduct</i>	-2.46	
<i>For &gt;250 To 500, Deduct</i>	-3.08	
<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0223 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.09	
<i>For &gt;100 To 250, Deduct</i>	-2.46	
<i>For &gt;250 To 500, Deduct</i>	-3.08	
<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0224 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.84	
<i>For &gt;100 To 250, Deduct</i>	-2.46	
<i>For &gt;250 To 500, Deduct</i>	-3.08	
<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0225 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.42	
<i>For &gt;100 To 250, Deduct</i>	-2.46	
<i>For &gt;250 To 500, Deduct</i>	-3.08	
<i>For &gt;500, Deduct</i>	-3.69	
<b>05 05 23 00-0226 3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0098)</small></b>		
05 05 23 00-0227 EA 3/4" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.98	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0228 EA 3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.31	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0229 EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.62	
<i>For &gt;100 To 250, Deduct</i>	-2.21	
<i>For &gt;250 To 500, Deduct</i>	-2.77	
<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0230 EA 3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.25	
<i>For &gt;100 To 250, Deduct</i>	-2.26	
<i>For &gt;250 To 500, Deduct</i>	-2.83	
<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0231 EA 3/4" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.72	
<i>For &gt;100 To 250, Deduct</i>	-2.26	
<i>For &gt;250 To 500, Deduct</i>	-2.83	
<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0232 EA 3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.14	
<i>For &gt;100 To 250, Deduct</i>	-2.26	
<i>For &gt;250 To 500, Deduct</i>	-2.83	
<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0233 EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.83	
<i>For &gt;100 To 250, Deduct</i>	-2.31	
<i>For &gt;250 To 500, Deduct</i>	-2.89	
<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0234 EA 3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.41	
<i>For &gt;100 To 250, Deduct</i>	-2.31	
<i>For &gt;250 To 500, Deduct</i>	-2.89	
<i>For &gt;500, Deduct</i>	-3.47	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0235	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.87	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0236	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.07	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0237	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.45	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0238	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.17	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0239	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.46	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0240	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.14	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0241	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.92	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0242	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.18	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0243	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.96	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0244	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.00	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0245	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.01	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0246		<b>7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0096)</small>		
05 05 23 00-0247	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.96	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0248	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.24	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0249	EA	7/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.38	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0250	EA	7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.01	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0251	EA	7/8" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.77	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0252	EA	7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0253	EA	7/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.64	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0254	EA	7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.94	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0255	EA	7/8" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0256	EA	7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0257	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.90	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0258	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.92	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0259	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	25.20	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0260	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0261	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.26	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0262	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.46	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0263	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.54	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0264	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.53	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0265	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.60	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
<b>05 05 23 00-0266</b>			<b>1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0098)</small>		
05 05 23 00-0267	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.22	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0268	EA		1" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0269	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.52	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0270	EA		1" Diameter x 3" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.00	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0271	EA		1" Diameter x 3-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0272	EA		1" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0273	EA		1" Diameter x 4-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.27	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0274	EA		1" Diameter x 5" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.61	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0275	EA		1" Diameter x 5-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.53	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0276	EA		1" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	29.17	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0277	EA		1" Diameter x 6-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	30.30	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0278	EA		1" Diameter x 7" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	31.68	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0279	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.80	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0280	EA	1" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.96	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0281	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.13	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0282	EA	1" Diameter x 9" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	36.44	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0283	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.60	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0284	EA	1" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Hex Head Bolt.....	38.78	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	

**05 05 23 00-0285 Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0097)****05 05 23 00-0286 1/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)**

05 05 23 00-0287	EA	1/4" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.80	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0288	EA	1/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.86	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0289	EA	1/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	8.91	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0290	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0291	EA	1/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.36	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0292	EA	1/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0293	EA	1/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	9.73	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0294	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.12	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0295	EA	1/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.36	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0296	EA	1/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.52	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0297	EA	1/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.93	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0298	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.08	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0299	EA	1/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.23	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0300	EA	1/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.69	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0301	EA	1/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0302	EA		1/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	12.12 -1.92 -2.40 -2.88	
<b>05 05 23 00-0303</b>			<b>5/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0304	EA		5/16" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	8.92 -1.72 -2.15 -2.58	
05 05 23 00-0305	EA		5/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	8.96 -1.72 -2.15 -2.58	
05 05 23 00-0306	EA		5/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.03 -1.72 -2.15 -2.58	
05 05 23 00-0307	EA		5/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.17 -1.72 -2.15 -2.58	
05 05 23 00-0308	EA		5/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.52 -1.77 -2.22 -2.66	
05 05 23 00-0309	EA		5/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.69 -1.77 -2.22 -2.66	
05 05 23 00-0310	EA		5/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.98 -1.77 -2.22 -2.66	
05 05 23 00-0311	EA		5/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	10.37 -1.82 -2.28 -2.73	
05 05 23 00-0312	EA		5/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	10.61 -1.82 -2.28 -2.73	
05 05 23 00-0313	EA		5/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	10.82 -1.82 -2.28 -2.73	
05 05 23 00-0314	EA		5/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	11.49 -1.87 -2.34 -2.80	
05 05 23 00-0315	EA		5/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	11.57 -1.87 -2.34 -2.80	
05 05 23 00-0316	EA		5/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	11.86 -1.87 -2.34 -2.80	
05 05 23 00-0317	EA		5/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	12.50 -1.92 -2.40 -2.88	
05 05 23 00-0318	EA		5/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	12.90 -1.92 -2.40 -2.88	
05 05 23 00-0319	EA		5/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	13.28 -1.92 -2.40 -2.88	
<b>05 05 23 00-0320</b>			<b>3/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0321	EA		3/8" Diameter x 1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	8.98 -1.72 -2.15 -2.58	
05 05 23 00-0322	EA		3/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.02 -1.72 -2.15 -2.58	
05 05 23 00-0323	EA		3/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.15 -1.72 -2.15 -2.58	
05 05 23 00-0324	EA		3/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	9.29 -1.72 -2.15 -2.58	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0325	EA	3/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0326	EA	3/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	9.86	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0327	EA	3/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.12	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0328	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.64	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0329	EA	3/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.25	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0330	EA	3/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.53	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0331	EA	3/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.13	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0332	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.39	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0333	EA	3/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0334	EA	3/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.45	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0335	EA	3/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.06	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0336	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	

## 05 05 23 00-0337 7/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)

05 05 23 00-0338	EA	7/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.49	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0339	EA	7/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0340	EA	7/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	10.93	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0341	EA	7/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.42	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0342	EA	7/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.65	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0343	EA	7/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.86	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0344	EA	7/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.38	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0345	EA	7/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.58	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0346	EA	7/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.12	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-0347	EA	7/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.53	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0348	EA	7/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.78	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0349	EA	7/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.04	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0350	EA	7/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.64	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0351	EA	7/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.99	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0352	EA	7/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.34	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	

**05 05 23 00-0353      1/2" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts** (05 05 23 00-0285)

05 05 23 00-0354	EA	1/2" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.65	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0355	EA	1/2" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	10.82	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0356	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.00	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0357	EA	1/2" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.54	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0358	EA	1/2" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	11.81	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0359	EA	1/2" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.10	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0360	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.60	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0361	EA	1/2" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.55	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0362	EA	1/2" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.61	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0363	EA	1/2" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.50	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0364	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.87	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0365	EA	1/2" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.82	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0366	EA	1/2" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.92	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0367	EA	1/2" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.45	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0368	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.65	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0369	EA	1/2" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.87	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0370	EA	1/2" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.80	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0371	EA	1/2" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.11	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0372	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0373		9/16" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts <small>(05 05 23 00-0285)</small>		
05 05 23 00-0374	EA	9/16" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.17	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0375	EA	9/16" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0376	EA	9/16" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	11.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.97	
		<i>For &gt;250 To 500, Deduct</i>	-2.46	
		<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0377	EA	9/16" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.30	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0378	EA	9/16" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	12.68	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0379	EA	9/16" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.11	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0380	EA	9/16" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.84	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0381	EA	9/16" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.49	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0382	EA	9/16" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.92	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0383	EA	9/16" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.64	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0384	EA	9/16" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.10	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0385	EA	9/16" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0386	EA	9/16" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.75	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0387	EA	9/16" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.38	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0388	EA	9/16" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.43	
		<i>For &gt;100 To 250, Deduct</i>	-2.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.71	
		<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0389	EA	9/16" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0390	EA	9/16" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.04	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0391 EA 9/16" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.43	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0392 EA 9/16" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	25.37	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
<b>05 05 23 00-0393 5/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)</b>		
05 05 23 00-0394 EA 5/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.72	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0395 EA 5/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.83	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0396 EA 5/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	12.92	
For >100 To 250, Deduct	-2.21	
For >250 To 500, Deduct	-2.77	
For >500, Deduct	-3.32	
05 05 23 00-0397 EA 5/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.46	
For >100 To 250, Deduct	-2.26	
For >250 To 500, Deduct	-2.83	
For >500, Deduct	-3.40	
05 05 23 00-0398 EA 5/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	13.96	
For >100 To 250, Deduct	-2.26	
For >250 To 500, Deduct	-2.83	
For >500, Deduct	-3.40	
05 05 23 00-0399 EA 5/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	14.42	
For >100 To 250, Deduct	-2.26	
For >250 To 500, Deduct	-2.83	
For >500, Deduct	-3.40	
05 05 23 00-0400 EA 5/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	15.13	
For >100 To 250, Deduct	-2.31	
For >250 To 500, Deduct	-2.89	
For >500, Deduct	-3.47	
05 05 23 00-0401 EA 5/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.02	
For >100 To 250, Deduct	-2.31	
For >250 To 500, Deduct	-2.89	
For >500, Deduct	-3.47	
05 05 23 00-0402 EA 5/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.49	
For >100 To 250, Deduct	-2.31	
For >250 To 500, Deduct	-2.89	
For >500, Deduct	-3.47	
05 05 23 00-0403 EA 5/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	16.98	
For >100 To 250, Deduct	-2.36	
For >250 To 500, Deduct	-2.95	
For >500, Deduct	-3.54	
05 05 23 00-0404 EA 5/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	17.75	
For >100 To 250, Deduct	-2.36	
For >250 To 500, Deduct	-2.95	
For >500, Deduct	-3.54	
05 05 23 00-0405 EA 5/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	18.95	
For >100 To 250, Deduct	-2.36	
For >250 To 500, Deduct	-2.95	
For >500, Deduct	-3.54	
05 05 23 00-0406 EA 5/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	20.30	
For >100 To 250, Deduct	-2.41	
For >250 To 500, Deduct	-3.02	
For >500, Deduct	-3.62	
05 05 23 00-0407 EA 5/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.29	
For >100 To 250, Deduct	-2.41	
For >250 To 500, Deduct	-3.02	
For >500, Deduct	-3.62	
05 05 23 00-0408 EA 5/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	21.45	
For >100 To 250, Deduct	-2.41	
For >250 To 500, Deduct	-3.02	
For >500, Deduct	-3.62	
05 05 23 00-0409 EA 5/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	23.49	
For >100 To 250, Deduct	-2.46	
For >250 To 500, Deduct	-3.08	
For >500, Deduct	-3.69	
05 05 23 00-0410 EA 5/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	24.83	
For >100 To 250, Deduct	-2.46	
For >250 To 500, Deduct	-3.08	
For >500, Deduct	-3.69	
05 05 23 00-0411 EA 5/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	26.80	
For >100 To 250, Deduct	-2.46	
For >250 To 500, Deduct	-3.08	
For >500, Deduct	-3.69	
05 05 23 00-0412 EA 5/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt.....	27.49	
For >100 To 250, Deduct	-2.46	
For >250 To 500, Deduct	-3.08	
For >500, Deduct	-3.69	
<b>05 05 23 00-0413 3/4" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts (05 05 23 00-0285)</b>		

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0414	EA	3/4" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	13.85	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0415	EA	3/4" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.05	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0416	EA	3/4" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.15	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0417	EA	3/4" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	14.83	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0418	EA	3/4" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	15.33	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0419	EA	3/4" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.10	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0420	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.86	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0421	EA	3/4" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.35	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0422	EA	3/4" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.38	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0423	EA	3/4" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.11	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0424	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.96	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0425	EA	3/4" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.00	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0426	EA	3/4" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.73	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0427	EA	3/4" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.81	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0428	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	24.42	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0429	EA	3/4" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.28	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0430	EA	3/4" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.83	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0431	EA	3/4" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0432	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.06	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0433		<b>7/8" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0434	EA	7/8" Diameter x 1" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.50	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0435	EA	7/8" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	16.74	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0436	EA		7/8" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.08	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0437	EA		7/8" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	17.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0438	EA		7/8" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.67	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0439	EA		7/8" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0440	EA		7/8" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0441	EA		7/8" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.28	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0442	EA		7/8" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.18	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0443	EA		7/8" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.85	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0444	EA		7/8" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.60	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0445	EA		7/8" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.81	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0446	EA		7/8" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	28.20	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0447	EA		7/8" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.61	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0448	EA		7/8" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.70	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0449	EA		7/8" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0450	EA		7/8" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0451	EA		7/8" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	34.52	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0452	EA		7/8" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	35.69	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0453			<b>1" Diameter, Zinc Plated Steel, Grade 5, Hex Head Bolts</b> <small>(05 05 23 00-0285)</small>		
05 05 23 00-0454	EA		1" Diameter x 1-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.74	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0455	EA		1" Diameter x 2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	18.82	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0456	EA		1" Diameter x 2-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	19.82	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0457	EA		1" Diameter x 3" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	20.79	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0458	EA	1" Diameter x 3-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	21.51	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0459	EA	1" Diameter x 4" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	22.67	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0460	EA	1" Diameter x 4-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	23.81	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0461	EA	1" Diameter x 5" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	25.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0462	EA	1" Diameter x 5-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	26.92	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0463	EA	1" Diameter x 6" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	27.27	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0464	EA	1" Diameter x 6-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	29.59	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0465	EA	1" Diameter x 7" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	31.33	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0466	EA	1" Diameter x 7-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	33.80	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0467	EA	1" Diameter x 8" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	34.51	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0468	EA	1" Diameter x 8-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	42.67	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0469	EA	1" Diameter x 9" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	43.29	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0470	EA	1" Diameter x 9-1/2" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	44.99	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0471	EA	1" Diameter x 10" Length, Zinc Plated Steel, Grade 5, Hex Head Bolt	46.15	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	

05 05 23 00-0472 Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0473 1/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0474	EA	1/4" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0475	EA	1/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	8.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0476	EA	1/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.01	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0477	EA	1/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.14	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0478	EA	1/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.47	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0479	EA	1/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0480	EA	1/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	9.74	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0481	EA		1/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0482	EA		1/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0483	EA		1/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.73	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0484	EA		1/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0485	EA		1/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.35	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0486	EA		1/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.60	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0487	EA		1/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.03	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0488	EA		1/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.50	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0489	EA		1/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
<b>05 05 23 00-0490</b>			<b>5/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts</b> <small>(05 05 23 00-0472)</small>		
05 05 23 00-0491	EA		5/16" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	8.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0492	EA		5/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0493	EA		5/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0494	EA		5/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0495	EA		5/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.66	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0496	EA		5/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.00	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0497	EA		5/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.10	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0498	EA		5/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0499	EA		5/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.75	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0500	EA		5/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0501	EA		5/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0502	EA		5/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0503	EA		5/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.24	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0504	EA		5/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.70	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0505	EA		5/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.91	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0506	EA		5/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.32	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
<b>05 05 23 00-0507</b>			<b>3/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0508	EA		3/8" Diameter x 1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0509	EA		3/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0510	EA		3/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0511	EA		3/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	9.49	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0512	EA		3/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	9.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0513	EA		3/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0514	EA		3/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	10.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0515	EA		3/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.40	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0516	EA		3/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0517	EA		3/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0518	EA		3/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0519	EA		3/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0520	EA		3/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0521	EA		3/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.58	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0522	EA		3/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0523	EA		3/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.82	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
<b>05 05 23 00-0524</b>			<b>7/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0525	EA		7/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	10.67	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0526	EA		7/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0527	EA		7/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.13	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0528	EA		7/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.42	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0529	EA		7/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.89	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0530	EA		7/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.15	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0531	EA		7/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.44	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0532	EA		7/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.49	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0533	EA		7/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.31	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0534	EA		7/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.11	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0535	EA		7/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0536	EA		7/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.83	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0537	EA		7/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.72	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0538	EA		7/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.11	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0539	EA		7/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	18.22	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
<b>05 05 23 00-0540</b>			<b>1/2" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small></b>		
05 05 23 00-0541	EA		1/2" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	10.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0542	EA		1/2" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0543	EA		1/2" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0544	EA		1/2" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	11.89	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0545	EA		1/2" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0546	EA		1/2" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	12.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0547	EA		1/2" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	13.76	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0548	EA 1/2" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.21	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-2.58	
	For >500, Deduct	-3.10	
05 05 23 00-0549	EA 1/2" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.53	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-2.58	
	For >500, Deduct	-3.10	
05 05 23 00-0550	EA 1/2" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.33	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.17	
05 05 23 00-0551	EA 1/2" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.29	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.17	
05 05 23 00-0552	EA 1/2" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	17.17	
	For >100 To 250, Deduct	-2.12	
	For >250 To 500, Deduct	-2.65	
	For >500, Deduct	-3.17	
05 05 23 00-0553	EA 1/2" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.19	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.71	
	For >500, Deduct	-3.25	
05 05 23 00-0554	EA 1/2" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	18.58	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.71	
	For >500, Deduct	-3.25	
05 05 23 00-0555	EA 1/2" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	19.68	
	For >100 To 250, Deduct	-2.17	
	For >250 To 500, Deduct	-2.71	
	For >500, Deduct	-3.25	
05 05 23 00-0556	EA 1/2" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.75	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-2.77	
	For >500, Deduct	-3.32	
05 05 23 00-0557	EA 1/2" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.55	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-2.77	
	For >500, Deduct	-3.32	
05 05 23 00-0558	EA 1/2" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	22.96	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-2.77	
	For >500, Deduct	-3.32	
05 05 23 00-0559	EA 1/2" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	24.93	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-2.77	
	For >500, Deduct	-3.32	

**05 05 23 00-0560 9/16" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts** (05 05 23 00-0472)

05 05 23 00-0561	EA 9/16" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.23	
	For >100 To 250, Deduct	-1.97	
	For >250 To 500, Deduct	-2.46	
	For >500, Deduct	-2.95	
05 05 23 00-0562	EA 9/16" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	11.41	
	For >100 To 250, Deduct	-1.97	
	For >250 To 500, Deduct	-2.46	
	For >500, Deduct	-2.95	
05 05 23 00-0563	EA 9/16" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	11.84	
	For >100 To 250, Deduct	-1.97	
	For >250 To 500, Deduct	-2.46	
	For >500, Deduct	-2.95	
05 05 23 00-0564	EA 9/16" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	12.72	
	For >100 To 250, Deduct	-2.02	
	For >250 To 500, Deduct	-2.52	
	For >500, Deduct	-3.03	
05 05 23 00-0565	EA 9/16" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	12.87	
	For >100 To 250, Deduct	-2.02	
	For >250 To 500, Deduct	-2.52	
	For >500, Deduct	-3.03	
05 05 23 00-0566	EA 9/16" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.49	
	For >100 To 250, Deduct	-2.02	
	For >250 To 500, Deduct	-2.52	
	For >500, Deduct	-3.03	
05 05 23 00-0567	EA 9/16" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	14.15	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-2.58	
	For >500, Deduct	-3.10	
05 05 23 00-0568	EA 9/16" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	16.19	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-2.58	
	For >500, Deduct	-3.10	
05 05 23 00-0569	EA 9/16" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.59	
	For >100 To 250, Deduct	-2.07	
	For >250 To 500, Deduct	-2.58	
	For >500, Deduct	-3.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0570	EA		9/16" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	17.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0571	EA		9/16" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0572	EA		9/16" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.39	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0573	EA		9/16" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.56	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0574	EA		9/16" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	30.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-0575	EA		9/16" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	35.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
<b>05 05 23 00-0576</b>			<b>5/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)</b>		
05 05 23 00-0577	EA		5/8" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.12	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0578	EA		5/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	13.30	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0579	EA		5/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	13.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0580	EA		5/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	14.71	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0581	EA		5/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	15.27	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0582	EA		5/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	15.58	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0583	EA		5/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	16.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0584	EA		5/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	17.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0585	EA		5/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	17.48	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0586	EA		5/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	18.21	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0587	EA		5/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.68	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0588	EA		5/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.67	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0589	EA		5/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.27	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0590	EA		5/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	23.40	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0591	EA		5/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	23.87	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0592	EA	5/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	26.11	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0593	EA	5/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.33	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0594	EA	5/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.50	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0595	EA	5/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	30.56	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	

## 05 05 23 00-0596 3/4" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts (05 05 23 00-0472)

05 05 23 00-0597	EA	3/4" Diameter x 1" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.17	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0598	EA	3/4" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.37	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0599	EA	3/4" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	14.50	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0600	EA	3/4" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.04	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0601	EA	3/4" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	15.46	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0602	EA	3/4" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	16.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0603	EA	3/4" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.41	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0604	EA	3/4" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	17.51	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0605	EA	3/4" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.15	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0606	EA	3/4" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	19.99	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0607	EA	3/4" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	20.85	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0608	EA	3/4" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	22.45	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0609	EA	3/4" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	24.65	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0610	EA	3/4" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.51	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0611	EA	3/4" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	25.95	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0612	EA	3/4" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	28.30	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0613	EA	3/4" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt	29.85	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0614	EA		3/4" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	30.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0615	EA		3/4" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.38	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
<b>05 05 23 00-0616</b>			<b>7/8" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small></b>		
05 05 23 00-0617	EA		7/8" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	18.30	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0618	EA		7/8" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	18.83	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0619	EA		7/8" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.86	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0620	EA		7/8" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.45	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0621	EA		7/8" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.63	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0622	EA		7/8" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.21	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0623	EA		7/8" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	26.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0624	EA		7/8" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	27.02	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0625	EA		7/8" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	29.54	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0626	EA		7/8" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	30.98	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0627	EA		7/8" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	34.68	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0628	EA		7/8" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.17	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0629	EA		7/8" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	39.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0630	EA		7/8" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	41.53	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0631	EA		7/8" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	43.00	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0632	EA		7/8" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	43.45	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0633	EA		7/8" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	43.83	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0634	EA		7/8" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	44.74	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
<b>05 05 23 00-0635</b>			<b>1" Diameter, Zinc Plated Steel, Grade 8, Hex Head Bolts <small>(05 05 23 00-0472)</small></b>		
05 05 23 00-0636	EA		1" Diameter x 1-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	19.81	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 05 23 00-0637	EA	1" Diameter x 2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	21.14
		<i>For &gt;100 To 250, Deduct</i>	-2.46
		<i>For &gt;250 To 500, Deduct</i>	-3.08
		<i>For &gt;500, Deduct</i>	-3.69
05 05 23 00-0638	EA	1" Diameter x 2-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	21.97
		<i>For &gt;100 To 250, Deduct</i>	-2.51
		<i>For &gt;250 To 500, Deduct</i>	-3.14
		<i>For &gt;500, Deduct</i>	-3.77
05 05 23 00-0639	EA	1" Diameter x 3" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	22.96
		<i>For &gt;100 To 250, Deduct</i>	-2.51
		<i>For &gt;250 To 500, Deduct</i>	-3.14
		<i>For &gt;500, Deduct</i>	-3.77
05 05 23 00-0640	EA	1" Diameter x 3-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	24.82
		<i>For &gt;100 To 250, Deduct</i>	-2.51
		<i>For &gt;250 To 500, Deduct</i>	-3.14
		<i>For &gt;500, Deduct</i>	-3.77
05 05 23 00-0641	EA	1" Diameter x 4" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	25.55
		<i>For &gt;100 To 250, Deduct</i>	-2.56
		<i>For &gt;250 To 500, Deduct</i>	-3.20
		<i>For &gt;500, Deduct</i>	-3.84
05 05 23 00-0642	EA	1" Diameter x 4-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	27.15
		<i>For &gt;100 To 250, Deduct</i>	-2.56
		<i>For &gt;250 To 500, Deduct</i>	-3.20
		<i>For &gt;500, Deduct</i>	-3.84
05 05 23 00-0643	EA	1" Diameter x 5" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	29.29
		<i>For &gt;100 To 250, Deduct</i>	-2.56
		<i>For &gt;250 To 500, Deduct</i>	-3.20
		<i>For &gt;500, Deduct</i>	-3.84
05 05 23 00-0644	EA	1" Diameter x 5-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	30.55
		<i>For &gt;100 To 250, Deduct</i>	-2.61
		<i>For &gt;250 To 500, Deduct</i>	-3.26
		<i>For &gt;500, Deduct</i>	-3.91
05 05 23 00-0645	EA	1" Diameter x 6" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	31.45
		<i>For &gt;100 To 250, Deduct</i>	-2.61
		<i>For &gt;250 To 500, Deduct</i>	-3.26
		<i>For &gt;500, Deduct</i>	-3.91
05 05 23 00-0646	EA	1" Diameter x 6-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	35.92
		<i>For &gt;100 To 250, Deduct</i>	-2.61
		<i>For &gt;250 To 500, Deduct</i>	-3.26
		<i>For &gt;500, Deduct</i>	-3.91
05 05 23 00-0647	EA	1" Diameter x 7" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	36.86
		<i>For &gt;100 To 250, Deduct</i>	-2.66
		<i>For &gt;250 To 500, Deduct</i>	-3.32
		<i>For &gt;500, Deduct</i>	-3.99
05 05 23 00-0648	EA	1" Diameter x 7-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	41.91
		<i>For &gt;100 To 250, Deduct</i>	-2.66
		<i>For &gt;250 To 500, Deduct</i>	-3.32
		<i>For &gt;500, Deduct</i>	-3.99
05 05 23 00-0649	EA	1" Diameter x 8" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	42.78
		<i>For &gt;100 To 250, Deduct</i>	-2.66
		<i>For &gt;250 To 500, Deduct</i>	-3.32
		<i>For &gt;500, Deduct</i>	-3.99
05 05 23 00-0650	EA	1" Diameter x 8-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	45.71
		<i>For &gt;100 To 250, Deduct</i>	-2.71
		<i>For &gt;250 To 500, Deduct</i>	-3.38
		<i>For &gt;500, Deduct</i>	-4.06
05 05 23 00-0651	EA	1" Diameter x 9" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	47.17
		<i>For &gt;100 To 250, Deduct</i>	-2.71
		<i>For &gt;250 To 500, Deduct</i>	-3.38
		<i>For &gt;500, Deduct</i>	-4.06
05 05 23 00-0652	EA	1" Diameter x 9-1/2" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt .....	51.02
		<i>For &gt;100 To 250, Deduct</i>	-2.71
		<i>For &gt;250 To 500, Deduct</i>	-3.38
		<i>For &gt;500, Deduct</i>	-4.06
05 05 23 00-0653	EA	1" Diameter x 10" Length, Yellow Zinc Plated Steel, Grade 8, Hex Head Bolt.....	53.37
		<i>For &gt;100 To 250, Deduct</i>	-2.71
		<i>For &gt;250 To 500, Deduct</i>	-3.38
		<i>For &gt;500, Deduct</i>	-4.06

05 05 23 00-0654 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0097)

05 05 23 00-0655 1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts (05 05 23 00-0654)

05 05 23 00-0656	EA	1/4" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	8.99
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0657	EA	1/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.01
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0658	EA	1/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.03
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0659	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.31
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0660	EA		1/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.69	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0661	EA		1/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.85	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0662	EA		1/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0663	EA		1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.18	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0664	EA		1/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.37	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0665	EA		1/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.42	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0666	EA		1/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.79	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0667	EA		1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0668	EA		1/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.02	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0669	EA		1/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0670	EA		1/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0671	EA		1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.47	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
<b>05 05 23 00-0672</b>			<b>5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0673	EA		5/16" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	8.87	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0674	EA		5/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0675	EA		5/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.44	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0676	EA		5/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.46	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0677	EA		5/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	9.95	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0678	EA		5/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0679	EA		5/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.54	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0680	EA		5/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0681	EA		5/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0682	EA	5/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.36
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-2.28
		<i>For &gt;500, Deduct</i>	-2.73
05 05 23 00-0683	EA	5/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.71
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0684	EA	5/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.86
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0685	EA	5/16" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.24
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0686	EA	5/16" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.26
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0687	EA	5/16" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.87
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88
05 05 23 00-0688	EA	5/16" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.44
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88

**05 05 23 00-0689 3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts**

05 05 23 00-0690	EA	3/8" Diameter x 1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.03
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0691	EA	3/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.15
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0692	EA	3/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.28
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0693	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.60
		<i>For &gt;100 To 250, Deduct</i>	-1.72
		<i>For &gt;250 To 500, Deduct</i>	-2.15
		<i>For &gt;500, Deduct</i>	-2.58
05 05 23 00-0694	EA	3/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	9.99
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0695	EA	3/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.26
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0696	EA	3/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.45
		<i>For &gt;100 To 250, Deduct</i>	-1.77
		<i>For &gt;250 To 500, Deduct</i>	-2.22
		<i>For &gt;500, Deduct</i>	-2.66
05 05 23 00-0697	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	10.95
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-2.28
		<i>For &gt;500, Deduct</i>	-2.73
05 05 23 00-0698	EA	3/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.08
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-2.28
		<i>For &gt;500, Deduct</i>	-2.73
05 05 23 00-0699	EA	3/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.40
		<i>For &gt;100 To 250, Deduct</i>	-1.82
		<i>For &gt;250 To 500, Deduct</i>	-2.28
		<i>For &gt;500, Deduct</i>	-2.73
05 05 23 00-0700	EA	3/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	11.78
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0701	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.22
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0702	EA	3/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.30
		<i>For &gt;100 To 250, Deduct</i>	-1.87
		<i>For &gt;250 To 500, Deduct</i>	-2.34
		<i>For &gt;500, Deduct</i>	-2.80
05 05 23 00-0703	EA	3/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.59
		<i>For &gt;100 To 250, Deduct</i>	-1.92
		<i>For &gt;250 To 500, Deduct</i>	-2.40
		<i>For &gt;500, Deduct</i>	-2.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0704	EA		3/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.64	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0705	EA		3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.16	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
<b>05 05 23 00-0706</b>			<b>7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0707	EA		7/16" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0708	EA		7/16" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0709	EA		7/16" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0710	EA		7/16" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.07	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0711	EA		7/16" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.10	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0712	EA		7/16" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.14	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0713	EA		7/16" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.75	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0714	EA		7/16" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.16	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0715	EA		7/16" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.53	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0716	EA		7/16" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.19	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0717	EA		7/16" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
<b>05 05 23 00-0718</b>			<b>1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0719	EA		1/2" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.80	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0720	EA		1/2" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	10.99	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0721	EA		1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	11.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0722	EA		1/2" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.04	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0723	EA		1/2" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.33	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0724	EA		1/2" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	12.87	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0725	EA		1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	13.20	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0726	EA	1/2" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.40
		<i>For &gt;100 To 250, Deduct</i>	-2.07
		<i>For &gt;250 To 500, Deduct</i>	-2.58
		<i>For &gt;500, Deduct</i>	-3.10
05 05 23 00-0727	EA	1/2" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.83
		<i>For &gt;100 To 250, Deduct</i>	-2.07
		<i>For &gt;250 To 500, Deduct</i>	-2.58
		<i>For &gt;500, Deduct</i>	-3.10
05 05 23 00-0728	EA	1/2" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.27
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.17
05 05 23 00-0729	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.75
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.17
05 05 23 00-0730	EA	1/2" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.79
		<i>For &gt;100 To 250, Deduct</i>	-2.12
		<i>For &gt;250 To 500, Deduct</i>	-2.65
		<i>For &gt;500, Deduct</i>	-3.17
05 05 23 00-0731	EA	1/2" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.13
		<i>For &gt;100 To 250, Deduct</i>	-2.17
		<i>For &gt;250 To 500, Deduct</i>	-2.71
		<i>For &gt;500, Deduct</i>	-3.25
05 05 23 00-0732	EA	1/2" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.26
		<i>For &gt;100 To 250, Deduct</i>	-2.17
		<i>For &gt;250 To 500, Deduct</i>	-2.71
		<i>For &gt;500, Deduct</i>	-3.25
05 05 23 00-0733	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.62
		<i>For &gt;100 To 250, Deduct</i>	-2.17
		<i>For &gt;250 To 500, Deduct</i>	-2.71
		<i>For &gt;500, Deduct</i>	-3.25
05 05 23 00-0734	EA	1/2" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.57
		<i>For &gt;100 To 250, Deduct</i>	-2.21
		<i>For &gt;250 To 500, Deduct</i>	-2.77
		<i>For &gt;500, Deduct</i>	-3.32
05 05 23 00-0735	EA	1/2" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.86
		<i>For &gt;100 To 250, Deduct</i>	-2.21
		<i>For &gt;250 To 500, Deduct</i>	-2.77
		<i>For &gt;500, Deduct</i>	-3.32
05 05 23 00-0736	EA	1/2" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	17.92
		<i>For &gt;100 To 250, Deduct</i>	-2.21
		<i>For &gt;250 To 500, Deduct</i>	-2.77
		<i>For &gt;500, Deduct</i>	-3.32
05 05 23 00-0737	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.09
		<i>For &gt;100 To 250, Deduct</i>	-2.21
		<i>For &gt;250 To 500, Deduct</i>	-2.77
		<i>For &gt;500, Deduct</i>	-3.32

**05 05 23 00-0738 5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts**

(05 05 23 00-0654)

05 05 23 00-0739	EA	5/8" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.70
		<i>For &gt;100 To 250, Deduct</i>	-2.21
		<i>For &gt;250 To 500, Deduct</i>	-2.77
		<i>For &gt;500, Deduct</i>	-3.32
05 05 23 00-0740	EA	5/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	12.99
		<i>For &gt;100 To 250, Deduct</i>	-2.21
		<i>For &gt;250 To 500, Deduct</i>	-2.77
		<i>For &gt;500, Deduct</i>	-3.32
05 05 23 00-0741	EA	5/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.19
		<i>For &gt;100 To 250, Deduct</i>	-2.21
		<i>For &gt;250 To 500, Deduct</i>	-2.77
		<i>For &gt;500, Deduct</i>	-3.32
05 05 23 00-0742	EA	5/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	13.76
		<i>For &gt;100 To 250, Deduct</i>	-2.26
		<i>For &gt;250 To 500, Deduct</i>	-2.83
		<i>For &gt;500, Deduct</i>	-3.40
05 05 23 00-0743	EA	5/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	14.19
		<i>For &gt;100 To 250, Deduct</i>	-2.26
		<i>For &gt;250 To 500, Deduct</i>	-2.83
		<i>For &gt;500, Deduct</i>	-3.40
05 05 23 00-0744	EA	5/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.14
		<i>For &gt;100 To 250, Deduct</i>	-2.26
		<i>For &gt;250 To 500, Deduct</i>	-2.83
		<i>For &gt;500, Deduct</i>	-3.40
05 05 23 00-0745	EA	5/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.53
		<i>For &gt;100 To 250, Deduct</i>	-2.31
		<i>For &gt;250 To 500, Deduct</i>	-2.89
		<i>For &gt;500, Deduct</i>	-3.47
05 05 23 00-0746	EA	5/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.70
		<i>For &gt;100 To 250, Deduct</i>	-2.31
		<i>For &gt;250 To 500, Deduct</i>	-2.89
		<i>For &gt;500, Deduct</i>	-3.47
05 05 23 00-0747	EA	5/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	15.99
		<i>For &gt;100 To 250, Deduct</i>	-2.31
		<i>For &gt;250 To 500, Deduct</i>	-2.89
		<i>For &gt;500, Deduct</i>	-3.47



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0748	EA		5/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0749	EA		5/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.95	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0750	EA		5/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.93	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0751	EA		5/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0752	EA		5/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.95	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0753	EA		5/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.46	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0754	EA		5/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.41	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0755	EA		5/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.22	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0756	EA		5/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.07	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0757	EA		5/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.21	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
<b>05 05 23 00-0758</b>			<b>3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts <small>(05 05 23 00-0654)</small></b>		
05 05 23 00-0759	EA		3/4" Diameter x 1" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.09	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0760	EA		3/4" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.15	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0761	EA		3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	14.50	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0762	EA		3/4" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	15.55	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0763	EA		3/4" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	16.88	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0764	EA		3/4" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	17.73	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0765	EA		3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.43	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0766	EA		3/4" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.51	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0767	EA		3/4" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	18.69	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0768	EA		3/4" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	19.06	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0769	EA		3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	20.19	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0770	EA	3/4" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	20.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0771	EA	3/4" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.83	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0772	EA	3/4" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	21.98	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0773	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.44	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0774	EA	3/4" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.37	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0775	EA	3/4" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.85	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0776	EA	3/4" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.13	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0777	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.27	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	

**05 05 23 00-0778 7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts** (05 05 23 00-0654)

05 05 23 00-0779	EA	7/8" Diameter x 1-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.09	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0780	EA	7/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	18.63	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0781	EA	7/8" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	19.19	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0782	EA	7/8" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.04	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0783	EA	7/8" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	22.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0784	EA	7/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.26	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0785	EA	7/8" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	23.86	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0786	EA	7/8" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	24.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0787	EA	7/8" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	25.40	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0788	EA	7/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	26.00	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0789	EA	7/8" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	30.72	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0790	EA	7/8" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	31.62	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0791	EA	7/8" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt	32.72	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0792	EA		7/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.98	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0793	EA		7/8" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.53	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0794	EA		7/8" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.14	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0795	EA		7/8" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	34.90	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0796	EA		7/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
<b>05 05 23 00-0797</b>			<b>1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolts</b> <small>(05 05 23 00-0654)</small>		
05 05 23 00-0798	EA		1" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	21.92	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0799	EA		1" Diameter x 2-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	22.33	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0800	EA		1" Diameter x 3" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	23.36	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0801	EA		1" Diameter x 3-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	24.17	
			<i>For &gt;100 To 250, Deduct</i>	-2.51	
			<i>For &gt;250 To 500, Deduct</i>	-3.14	
			<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-0802	EA		1" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.25	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0803	EA		1" Diameter x 4-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	26.67	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0804	EA		1" Diameter x 5" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	27.86	
			<i>For &gt;100 To 250, Deduct</i>	-2.56	
			<i>For &gt;250 To 500, Deduct</i>	-3.20	
			<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-0805	EA		1" Diameter x 5-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0806	EA		1" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	28.67	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0807	EA		1" Diameter x 6-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	32.72	
			<i>For &gt;100 To 250, Deduct</i>	-2.61	
			<i>For &gt;250 To 500, Deduct</i>	-3.26	
			<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-0808	EA		1" Diameter x 7" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	33.73	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0809	EA		1" Diameter x 7-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	35.42	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0810	EA		1" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.10	
			<i>For &gt;100 To 250, Deduct</i>	-2.66	
			<i>For &gt;250 To 500, Deduct</i>	-3.32	
			<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-0811	EA		1" Diameter x 8-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	37.85	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0812	EA		1" Diameter x 9" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	39.20	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0813	EA		1" Diameter x 9-1/2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt.....	40.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0814	EA		1" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Hex Head Bolt .....	41.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.71	
			<i>For &gt;250 To 500, Deduct</i>	-3.38	
			<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-0815			304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0097)</small>		
05 05 23 00-0816			1/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0817	EA		1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	8.93	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0818	EA		1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.06	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0819	EA		1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.22	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0820	EA		1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.39	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0821	EA		1/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.81	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0822	EA		1/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0823	EA		1/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.38	
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0824	EA		1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	10.84	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0825	EA		1/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.21	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0826	EA		1/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.55	
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0827	EA		1/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0828	EA		1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.63	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0829	EA		1/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.38	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0830	EA		1/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0831	EA		1/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.25	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0832	EA		1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.01	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0833			5/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small>		
05 05 23 00-0834	EA		5/16" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.17	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0835	EA		5/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.28	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0836	EA		5/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	9.53	
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0837	EA		5/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.72		
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0838	EA		5/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.33		
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0839	EA		5/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.45		
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0840	EA		5/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.08		
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0841	EA		5/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.76		
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0842	EA		5/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.46		
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0843	EA		5/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.82		
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0844	EA		5/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....14.13		
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0845	EA		5/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....15.89		
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0846	EA		5/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....19.91		
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0847	EA		5/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....26.67		
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
<b>05 05 23 00-0848</b>			<b>3/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815) .....9.47</b>		
05 05 23 00-0849	EA		3/8" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.47		
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0850	EA		3/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....9.62		
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0851	EA		3/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.00		
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0852	EA		3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.48		
			<i>For &gt;100 To 250, Deduct</i>	-1.72	
			<i>For &gt;250 To 500, Deduct</i>	-2.15	
			<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0853	EA		3/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....10.97		
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0854	EA		3/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.36		
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0855	EA		3/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....11.87		
			<i>For &gt;100 To 250, Deduct</i>	-1.77	
			<i>For &gt;250 To 500, Deduct</i>	-2.22	
			<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0856	EA		3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....12.57		
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0857	EA		3/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....13.17		
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0858	EA		3/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....14.49		
			<i>For &gt;100 To 250, Deduct</i>	-1.82	
			<i>For &gt;250 To 500, Deduct</i>	-2.28	
			<i>For &gt;500, Deduct</i>	-2.73	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0859	EA		3/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.89	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0860	EA		3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.98	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0861	EA		3/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.31	
			<i>For &gt;100 To 250, Deduct</i>	-1.87	
			<i>For &gt;250 To 500, Deduct</i>	-2.34	
			<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-0862	EA		3/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0863	EA		3/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.45	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-0864	EA		3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.77	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
<b>05 05 23 00-0865</b>			<b>7/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0866	EA		7/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.94	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0867	EA		7/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0868	EA		7/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.71	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0869	EA		7/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	13.33	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0870	EA		7/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	14.07	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0871	EA		7/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	15.30	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0872	EA		7/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.11	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0873	EA		7/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.55	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0874	EA		7/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	18.19	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0875	EA		7/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.41	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0876	EA		7/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.61	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0877	EA		7/16" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	22.91	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0878	EA		7/16" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	23.43	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
<b>05 05 23 00-0879</b>			<b>1/2" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0880	EA		1/2" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	11.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-0881	EA		1/2" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	12.09	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0882	EA		1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	13.06 -1.97 -2.46 -2.95	
05 05 23 00-0883	EA		1/2" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	13.70 -2.02 -2.52 -3.03	
05 05 23 00-0884	EA		1/2" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	14.58 -2.02 -2.52 -3.03	
05 05 23 00-0885	EA		1/2" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	15.06 -2.02 -2.52 -3.03	
05 05 23 00-0886	EA		1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	15.88 -2.07 -2.58 -3.10	
05 05 23 00-0887	EA		1/2" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	16.30 -2.07 -2.58 -3.10	
05 05 23 00-0888	EA		1/2" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	18.61 -2.07 -2.58 -3.10	
05 05 23 00-0889	EA		1/2" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	19.49 -2.12 -2.65 -3.17	
05 05 23 00-0890	EA		1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	20.53 -2.12 -2.65 -3.17	
05 05 23 00-0891	EA		1/2" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	21.71 -2.12 -2.65 -3.17	
05 05 23 00-0892	EA		1/2" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	23.71 -2.17 -2.71 -3.25	
05 05 23 00-0893	EA		1/2" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	24.41 -2.17 -2.71 -3.25	
05 05 23 00-0894	EA		1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	25.52 -2.17 -2.71 -3.25	
05 05 23 00-0895	EA		1/2" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	31.19 -2.21 -2.77 -3.32	
05 05 23 00-0896	EA		1/2" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	31.63 -2.21 -2.77 -3.32	
05 05 23 00-0897	EA		1/2" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	34.69 -2.21 -2.77 -3.32	
05 05 23 00-0898	EA		1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	37.74 -2.21 -2.77 -3.32	
05 05 23 00-0899			<b>9/16" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0900	EA		9/16" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	16.99 -1.97 -2.46 -2.95	
05 05 23 00-0901	EA		9/16" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	19.00 -1.97 -2.46 -2.95	
05 05 23 00-0902	EA		9/16" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	22.52 -1.97 -2.46 -2.95	
05 05 23 00-0903	EA		9/16" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	23.48 -2.02 -2.52 -3.03	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0904	EA	9/16" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.73	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0905	EA	9/16" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	26.91	
		<i>For &gt;100 To 250, Deduct</i>	-2.02	
		<i>For &gt;250 To 500, Deduct</i>	-2.52	
		<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-0906	EA	9/16" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.36	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0907	EA	9/16" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.85	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0908	EA	9/16" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.07	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-0909	EA	9/16" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	37.89	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-0910	EA	9/16" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	40.35	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	

## 05 05 23 00-0911 5/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0915)

05 05 23 00-0912	EA	5/8" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt	14.86	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0913	EA	5/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	15.32	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0914	EA	5/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.24	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0915	EA	5/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	17.80	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0916	EA	5/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt	18.72	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0917	EA	5/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	20.02	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0918	EA	5/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.90	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0919	EA	5/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	21.92	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0920	EA	5/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt	23.38	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0921	EA	5/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	24.46	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0922	EA	5/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt	25.78	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0923	EA	5/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	30.61	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0924	EA	5/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt	33.50	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0925	EA	5/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt	35.68	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-0926	EA		5/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	36.67	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0927	EA		5/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	40.94	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0928	EA		5/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	42.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0929	EA		5/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	47.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-0930	EA		5/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	50.33	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	
<b>05 05 23 00-0931</b>			<b>3/4" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts (05 05 23 00-0815)</b>		
05 05 23 00-0932	EA		3/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	16.95	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0933	EA		3/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	17.85	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0934	EA		3/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	19.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-0935	EA		3/4" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	20.57	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0936	EA		3/4" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	21.87	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0937	EA		3/4" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	24.07	
			<i>For &gt;100 To 250, Deduct</i>	-2.26	
			<i>For &gt;250 To 500, Deduct</i>	-2.83	
			<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-0938	EA		3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	25.62	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0939	EA		3/4" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	27.66	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0940	EA		3/4" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	29.30	
			<i>For &gt;100 To 250, Deduct</i>	-2.31	
			<i>For &gt;250 To 500, Deduct</i>	-2.89	
			<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-0941	EA		3/4" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	31.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0942	EA		3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	33.14	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0943	EA		3/4" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	36.72	
			<i>For &gt;100 To 250, Deduct</i>	-2.36	
			<i>For &gt;250 To 500, Deduct</i>	-2.95	
			<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-0944	EA		3/4" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	46.47	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0945	EA		3/4" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	49.50	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0946	EA		3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	55.98	
			<i>For &gt;100 To 250, Deduct</i>	-2.41	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-0947	EA		3/4" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt .....	56.52	
			<i>For &gt;100 To 250, Deduct</i>	-2.46	
			<i>For &gt;250 To 500, Deduct</i>	-3.08	
			<i>For &gt;500, Deduct</i>	-3.69	

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 05 23 00-0948	EA 3/4" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	57.54 -2.46 -3.08 -3.69	
05 05 23 00-0949	EA 3/4" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	60.31 -2.46 -3.08 -3.69	
05 05 23 00-0950	EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	62.44 -2.46 -3.08 -3.69	
05 05 23 00-0951	7/8" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small> .....		
05 05 23 00-0952	EA 7/8" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	23.82 -2.46 -3.08 -3.69	
05 05 23 00-0953	EA 7/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	26.06 -2.46 -3.08 -3.69	
05 05 23 00-0954	EA 7/8" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	28.02 -2.51 -3.14 -3.77	
05 05 23 00-0955	EA 7/8" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	30.29 -2.51 -3.14 -3.77	
05 05 23 00-0956	EA 7/8" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	31.03 -2.51 -3.14 -3.77	
05 05 23 00-0957	EA 7/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	33.14 -2.56 -3.20 -3.84	
05 05 23 00-0958	EA 7/8" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	33.86 -2.56 -3.20 -3.84	
05 05 23 00-0959	EA 7/8" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	38.81 -2.56 -3.20 -3.84	
05 05 23 00-0960	EA 7/8" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	39.80 -2.61 -3.26 -3.91	
05 05 23 00-0961	EA 7/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	41.70 -2.61 -3.26 -3.91	
05 05 23 00-0962	EA 7/8" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	52.18 -2.61 -3.26 -3.91	
05 05 23 00-0963	EA 7/8" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	56.45 -2.66 -3.32 -3.99	
05 05 23 00-0964	EA 7/8" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	61.15 -2.66 -3.32 -3.99	
05 05 23 00-0965	EA 7/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	64.94 -2.66 -3.32 -3.99	
05 05 23 00-0966	EA 7/8" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	76.69 -2.71 -3.38 -4.06	
05 05 23 00-0967	EA 7/8" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	85.90 -2.71 -3.38 -4.06	
05 05 23 00-0968	EA 7/8" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	90.16 -2.71 -3.38 -4.06	
05 05 23 00-0969	EA 7/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt ..... <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	94.41 -2.71 -3.38 -4.06	
05 05 23 00-0970	1" Diameter, 304/18-8 Stainless Steel, Hex Head Bolts <small>(05 05 23 00-0815)</small> .....		

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	UNIT COST
05 05 23 00-0971	EA 1" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		29.25	
	For >100 To 250, Deduct		-2.46	
	For >250 To 500, Deduct		-3.08	
	For >500, Deduct		-3.69	
05 05 23 00-0972	EA 1" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		30.89	
	For >100 To 250, Deduct		-2.46	
	For >250 To 500, Deduct		-3.08	
	For >500, Deduct		-3.69	
05 05 23 00-0973	EA 1" Diameter x 2-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		33.57	
	For >100 To 250, Deduct		-2.51	
	For >250 To 500, Deduct		-3.14	
	For >500, Deduct		-3.77	
05 05 23 00-0974	EA 1" Diameter x 3" Length, 304/18-8 Stainless Steel, Hex Head Bolt		35.63	
	For >100 To 250, Deduct		-2.51	
	For >250 To 500, Deduct		-3.14	
	For >500, Deduct		-3.77	
05 05 23 00-0975	EA 1" Diameter x 3-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		39.01	
	For >100 To 250, Deduct		-2.51	
	For >250 To 500, Deduct		-3.14	
	For >500, Deduct		-3.77	
05 05 23 00-0976	EA 1" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Head Bolt		43.06	
	For >100 To 250, Deduct		-2.56	
	For >250 To 500, Deduct		-3.20	
	For >500, Deduct		-3.84	
05 05 23 00-0977	EA 1" Diameter x 4-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		45.42	
	For >100 To 250, Deduct		-2.56	
	For >250 To 500, Deduct		-3.20	
	For >500, Deduct		-3.84	
05 05 23 00-0978	EA 1" Diameter x 5" Length, 304/18-8 Stainless Steel, Hex Head Bolt		48.90	
	For >100 To 250, Deduct		-2.56	
	For >250 To 500, Deduct		-3.20	
	For >500, Deduct		-3.84	
05 05 23 00-0979	EA 1" Diameter x 5-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		52.43	
	For >100 To 250, Deduct		-2.61	
	For >250 To 500, Deduct		-3.26	
	For >500, Deduct		-3.91	
05 05 23 00-0980	EA 1" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Head Bolt		52.62	
	For >100 To 250, Deduct		-2.61	
	For >250 To 500, Deduct		-3.26	
	For >500, Deduct		-3.91	
05 05 23 00-0981	EA 1" Diameter x 6-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		61.98	
	For >100 To 250, Deduct		-2.61	
	For >250 To 500, Deduct		-3.26	
	For >500, Deduct		-3.91	
05 05 23 00-0982	EA 1" Diameter x 7" Length, 304/18-8 Stainless Steel, Hex Head Bolt		74.07	
	For >100 To 250, Deduct		-2.66	
	For >250 To 500, Deduct		-3.32	
	For >500, Deduct		-3.99	
05 05 23 00-0983	EA 1" Diameter x 7-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		75.83	
	For >100 To 250, Deduct		-2.66	
	For >250 To 500, Deduct		-3.32	
	For >500, Deduct		-3.99	
05 05 23 00-0984	EA 1" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Head Bolt		77.59	
	For >100 To 250, Deduct		-2.66	
	For >250 To 500, Deduct		-3.32	
	For >500, Deduct		-3.99	
05 05 23 00-0985	EA 1" Diameter x 8-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		81.35	
	For >100 To 250, Deduct		-2.71	
	For >250 To 500, Deduct		-3.38	
	For >500, Deduct		-4.06	
05 05 23 00-0986	EA 1" Diameter x 9" Length, 304/18-8 Stainless Steel, Hex Head Bolt		86.76	
	For >100 To 250, Deduct		-2.71	
	For >250 To 500, Deduct		-3.38	
	For >500, Deduct		-4.06	
05 05 23 00-0987	EA 1" Diameter x 9-1/2" Length, 304/18-8 Stainless Steel, Hex Head Bolt		111.30	
	For >100 To 250, Deduct		-2.71	
	For >250 To 500, Deduct		-3.38	
	For >500, Deduct		-4.06	
05 05 23 00-0988	EA 1" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Head Bolt		139.89	
	For >100 To 250, Deduct		-2.71	
	For >250 To 500, Deduct		-3.38	
	For >500, Deduct		-4.06	
05 05 23 00-0989	316 Stainless Steel, Hex Head Bolts (05 05 23 00-0971)			
05 05 23 00-0990	1/4" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)			
05 05 23 00-0991	EA 1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt		9.18	
	For >100 To 250, Deduct		-1.72	
	For >250 To 500, Deduct		-2.15	
	For >500, Deduct		-2.58	
05 05 23 00-0992	EA 1" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt		9.44	
	For >100 To 250, Deduct		-1.72	
	For >250 To 500, Deduct		-2.15	
	For >500, Deduct		-2.58	
05 05 23 00-0993	EA 1-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt		9.63	
	For >100 To 250, Deduct		-1.72	
	For >250 To 500, Deduct		-2.15	
	For >500, Deduct		-2.58	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-0994	EA	2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	9.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-0995	EA	2-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.37	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0996	EA	3" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	10.71	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0997	EA	3-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.04	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-0998	EA	4" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-0999	EA	4-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-1000	EA	5" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	11.95	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-1001	EA	5-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.06	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1002	EA	6" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	13.29	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1003	EA	6-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	21.88	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1004	EA	7" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	32.55	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1005	EA	7-1/2" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	55.49	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1006	EA	8" Length x 1/4" Diameter, 316 Stainless Steel, Hex Head Bolt	60.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	

**05 05 23 00-1007 5/16" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)**

05 05 23 00-1008	EA	5/16" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt	9.53	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1009	EA	5/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	9.83	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1010	EA	5/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	10.31	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1011	EA	5/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	10.69	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1012	EA	5/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	11.10	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1013	EA	5/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	11.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1014	EA	5/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	12.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1015	EA	5/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	12.85	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1016	EA	5/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	13.98	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-1017	EA	5/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	14.21	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-1018	EA	5/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	15.24	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1019	EA	5/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	16.12	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1020	EA	5/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	23.43	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1021	EA	5/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	34.09	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	

**05 05 23 00-1022 3/8" Diameter, 316 Stainless Steel, Hex Head Bolts** (05 05 23 00-0989)

05 05 23 00-1023	EA	3/8" Diameter x 1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.31	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1024	EA	3/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	10.42	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1025	EA	3/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	10.88	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1026	EA	3/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	11.97	
		<i>For &gt;100 To 250, Deduct</i>	-1.72	
		<i>For &gt;250 To 500, Deduct</i>	-2.15	
		<i>For &gt;500, Deduct</i>	-2.58	
05 05 23 00-1027	EA	3/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	12.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1028	EA	3/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	12.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1029	EA	3/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	13.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.77	
		<i>For &gt;250 To 500, Deduct</i>	-2.22	
		<i>For &gt;500, Deduct</i>	-2.66	
05 05 23 00-1030	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	14.14	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-1031	EA	3/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.74	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-1032	EA	3/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	15.14	
		<i>For &gt;100 To 250, Deduct</i>	-1.82	
		<i>For &gt;250 To 500, Deduct</i>	-2.28	
		<i>For &gt;500, Deduct</i>	-2.73	
05 05 23 00-1033	EA	3/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.70	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1034	EA	3/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	18.31	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1035	EA	3/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.38	
		<i>For &gt;100 To 250, Deduct</i>	-1.87	
		<i>For &gt;250 To 500, Deduct</i>	-2.34	
		<i>For &gt;500, Deduct</i>	-2.80	
05 05 23 00-1036	EA	3/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	22.71	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	
05 05 23 00-1037	EA	3/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	29.33	
		<i>For &gt;100 To 250, Deduct</i>	-1.92	
		<i>For &gt;250 To 500, Deduct</i>	-2.40	
		<i>For &gt;500, Deduct</i>	-2.88	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1038	EA		3/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	36.48	
			<i>For &gt;100 To 250, Deduct</i>	-1.92	
			<i>For &gt;250 To 500, Deduct</i>	-2.40	
			<i>For &gt;500, Deduct</i>	-2.88	
<b>05 05 23 00-1039</b>			<b>7/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1040	EA		7/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	13.36	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1041	EA		7/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.05	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1042	EA		7/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	15.34	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1043	EA		7/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.70	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1044	EA		7/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	17.93	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1045	EA		7/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	19.96	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1046	EA		7/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	22.13	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-1047	EA		7/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	22.49	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-1048	EA		7/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	23.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-1049	EA		7/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	23.97	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-1050	EA		7/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	24.50	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-1051	EA		7/16" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	25.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-1052	EA		7/16" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	25.70	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
<b>05 05 23 00-1053</b>			<b>1/2" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1054	EA		1/2" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	13.33	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1055	EA		1/2" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	14.07	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1056	EA		1/2" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	15.11	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1057	EA		1/2" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	16.59	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1058	EA		1/2" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	17.74	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1059	EA		1/2" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	18.02	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1060	EA		1/2" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	18.73	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1061	EA		1/2" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.94	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-1062	EA		1/2" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	25.41	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-1063	EA		1/2" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	25.99	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-1064	EA		1/2" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	26.70	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-1065	EA		1/2" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.23	
			<i>For &gt;100 To 250, Deduct</i>	-2.12	
			<i>For &gt;250 To 500, Deduct</i>	-2.65	
			<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-1066	EA		1/2" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	36.18	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-1067	EA		1/2" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.58	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-1068	EA		1/2" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	42.54	
			<i>For &gt;100 To 250, Deduct</i>	-2.17	
			<i>For &gt;250 To 500, Deduct</i>	-2.71	
			<i>For &gt;500, Deduct</i>	-3.25	
05 05 23 00-1069	EA		1/2" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.26	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1070	EA		1/2" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	60.03	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1071	EA		1/2" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	61.14	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1072	EA		1/2" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	62.86	
			<i>For &gt;100 To 250, Deduct</i>	-2.21	
			<i>For &gt;250 To 500, Deduct</i>	-2.77	
			<i>For &gt;500, Deduct</i>	-3.32	
<b>05 05 23 00-1073</b>			<b>9/16" Diameter, 316 Stainless Steel, Hex Head Bolts</b> <small>(05 05 23 00-0989)</small>		
05 05 23 00-1074	EA		9/16" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	31.86	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1075	EA		9/16" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	34.29	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1076	EA		9/16" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	42.43	
			<i>For &gt;100 To 250, Deduct</i>	-1.97	
			<i>For &gt;250 To 500, Deduct</i>	-2.46	
			<i>For &gt;500, Deduct</i>	-2.95	
05 05 23 00-1077	EA		9/16" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.24	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1078	EA		9/16" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	52.05	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1079	EA		9/16" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	56.86	
			<i>For &gt;100 To 250, Deduct</i>	-2.02	
			<i>For &gt;250 To 500, Deduct</i>	-2.52	
			<i>For &gt;500, Deduct</i>	-3.03	
05 05 23 00-1080	EA		9/16" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	60.10	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-1081	EA		9/16" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	64.06	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	
05 05 23 00-1082	EA		9/16" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	67.58	
			<i>For &gt;100 To 250, Deduct</i>	-2.07	
			<i>For &gt;250 To 500, Deduct</i>	-2.58	
			<i>For &gt;500, Deduct</i>	-3.10	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1083	EA	9/16" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	68.89	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
05 05 23 00-1084	EA	9/16" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	71.99	
		<i>For &gt;100 To 250, Deduct</i>	-2.12	
		<i>For &gt;250 To 500, Deduct</i>	-2.65	
		<i>For &gt;500, Deduct</i>	-3.17	
<b>05 05 23 00-1085</b>		<b>5/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1086	EA	5/8" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt	18.33	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1087	EA	5/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt	18.54	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1088	EA	5/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	18.61	
		<i>For &gt;100 To 250, Deduct</i>	-2.21	
		<i>For &gt;250 To 500, Deduct</i>	-2.77	
		<i>For &gt;500, Deduct</i>	-3.32	
05 05 23 00-1089	EA	5/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	20.25	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-1090	EA	5/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	21.68	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-1091	EA	5/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	26.21	
		<i>For &gt;100 To 250, Deduct</i>	-2.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.83	
		<i>For &gt;500, Deduct</i>	-3.40	
05 05 23 00-1092	EA	5/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	27.40	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-1093	EA	5/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	31.36	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-1094	EA	5/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	32.74	
		<i>For &gt;100 To 250, Deduct</i>	-2.31	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500, Deduct</i>	-3.47	
05 05 23 00-1095	EA	5/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	35.59	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-1096	EA	5/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	36.72	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-1097	EA	5/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.95	
		<i>For &gt;500, Deduct</i>	-3.54	
05 05 23 00-1098	EA	5/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	46.41	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-1099	EA	5/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	47.29	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-1100	EA	5/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	50.54	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-3.02	
		<i>For &gt;500, Deduct</i>	-3.62	
05 05 23 00-1101	EA	5/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	53.70	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-1102	EA	5/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	56.45	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-1103	EA	5/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	69.55	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-1104	EA	5/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	83.56	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
<b>05 05 23 00-1105</b>		<b>3/4" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1106	EA	3/4" Diameter x 1" Length, 316 Stainless Steel, Hex Head Bolt .....	23.84	
		For >100 To 250, Deduct	-2.21	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.32	
05 05 23 00-1107	EA	3/4" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	24.34	
		For >100 To 250, Deduct	-2.21	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.32	
05 05 23 00-1108	EA	3/4" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.22	
		For >100 To 250, Deduct	-2.21	
		For >250 To 500, Deduct	-2.77	
		For >500, Deduct	-3.32	
05 05 23 00-1109	EA	3/4" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	28.13	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-1110	EA	3/4" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt .....	31.65	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-1111	EA	3/4" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	33.69	
		For >100 To 250, Deduct	-2.26	
		For >250 To 500, Deduct	-2.83	
		For >500, Deduct	-3.40	
05 05 23 00-1112	EA	3/4" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt .....	38.28	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1113	EA	3/4" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	40.08	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1114	EA	3/4" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	41.07	
		For >100 To 250, Deduct	-2.31	
		For >250 To 500, Deduct	-2.89	
		For >500, Deduct	-3.47	
05 05 23 00-1115	EA	3/4" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	42.64	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1116	EA	3/4" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	44.89	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1117	EA	3/4" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	51.84	
		For >100 To 250, Deduct	-2.36	
		For >250 To 500, Deduct	-2.95	
		For >500, Deduct	-3.54	
05 05 23 00-1118	EA	3/4" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	62.13	
		For >100 To 250, Deduct	-2.41	
		For >250 To 500, Deduct	-3.02	
		For >500, Deduct	-3.62	
05 05 23 00-1119	EA	3/4" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	69.95	
		For >100 To 250, Deduct	-2.41	
		For >250 To 500, Deduct	-3.02	
		For >500, Deduct	-3.62	
05 05 23 00-1120	EA	3/4" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	71.13	
		For >100 To 250, Deduct	-2.41	
		For >250 To 500, Deduct	-3.02	
		For >500, Deduct	-3.62	
05 05 23 00-1121	EA	3/4" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	76.07	
		For >100 To 250, Deduct	-2.46	
		For >250 To 500, Deduct	-3.08	
		For >500, Deduct	-3.69	
05 05 23 00-1122	EA	3/4" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	87.93	
		For >100 To 250, Deduct	-2.46	
		For >250 To 500, Deduct	-3.08	
		For >500, Deduct	-3.69	
05 05 23 00-1123	EA	3/4" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	88.93	
		For >100 To 250, Deduct	-2.46	
		For >250 To 500, Deduct	-3.08	
		For >500, Deduct	-3.69	
05 05 23 00-1124	EA	3/4" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	91.43	
		For >100 To 250, Deduct	-2.46	
		For >250 To 500, Deduct	-3.08	
		For >500, Deduct	-3.69	
<b>05 05 23 00-1125</b>		<b>7/8" Diameter, 316 Stainless Steel, Hex Head Bolts</b> (05 05 23 00-0989)		
05 05 23 00-1126	EA	7/8" Diameter x 1-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	26.87	
		For >100 To 250, Deduct	-2.46	
		For >250 To 500, Deduct	-3.08	
		For >500, Deduct	-3.69	
05 05 23 00-1127	EA	7/8" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt .....	30.13	
		For >100 To 250, Deduct	-2.46	
		For >250 To 500, Deduct	-3.08	
		For >500, Deduct	-3.69	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1128	EA	7/8" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	32.16	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-1129	EA	7/8" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	36.72	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-1130	EA	7/8" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	38.76	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-1131	EA	7/8" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	40.80	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-1132	EA	7/8" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt	43.57	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-1133	EA	7/8" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt	49.79	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-1134	EA	7/8" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt	50.19	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-1135	EA	7/8" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt	52.25	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-1136	EA	7/8" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt	69.66	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-1137	EA	7/8" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt	77.59	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-1138	EA	7/8" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt	85.85	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-1139	EA	7/8" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt	89.92	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-1140	EA	7/8" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt	95.45	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-1141	EA	7/8" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt	98.99	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-1142	EA	7/8" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt	102.49	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-1143	EA	7/8" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt	106.44	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	

**05 05 23 00-1144 1" Diameter, 316 Stainless Steel, Hex Head Bolts (05 05 23 00-0989)**

05 05 23 00-1145	EA	1" Diameter x 2" Length, 316 Stainless Steel, Hex Head Bolt	34.04	
		<i>For &gt;100 To 250, Deduct</i>	-2.46	
		<i>For &gt;250 To 500, Deduct</i>	-3.08	
		<i>For &gt;500, Deduct</i>	-3.69	
05 05 23 00-1146	EA	1" Diameter x 2-1/2" Length, 316 Stainless Steel, Hex Head Bolt	39.31	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-1147	EA	1" Diameter x 3" Length, 316 Stainless Steel, Hex Head Bolt	42.67	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-1148	EA	1" Diameter x 3-1/2" Length, 316 Stainless Steel, Hex Head Bolt	48.05	
		<i>For &gt;100 To 250, Deduct</i>	-2.51	
		<i>For &gt;250 To 500, Deduct</i>	-3.14	
		<i>For &gt;500, Deduct</i>	-3.77	
05 05 23 00-1149	EA	1" Diameter x 4" Length, 316 Stainless Steel, Hex Head Bolt	50.21	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1150	EA	1" Diameter x 4-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	53.85	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-1151	EA	1" Diameter x 5" Length, 316 Stainless Steel, Hex Head Bolt .....	57.54	
		<i>For &gt;100 To 250, Deduct</i>	-2.56	
		<i>For &gt;250 To 500, Deduct</i>	-3.20	
		<i>For &gt;500, Deduct</i>	-3.84	
05 05 23 00-1152	EA	1" Diameter x 5-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	61.49	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-1153	EA	1" Diameter x 6" Length, 316 Stainless Steel, Hex Head Bolt .....	71.00	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-1154	EA	1" Diameter x 6-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	80.37	
		<i>For &gt;100 To 250, Deduct</i>	-2.61	
		<i>For &gt;250 To 500, Deduct</i>	-3.26	
		<i>For &gt;500, Deduct</i>	-3.91	
05 05 23 00-1155	EA	1" Diameter x 7" Length, 316 Stainless Steel, Hex Head Bolt .....	93.45	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-1156	EA	1" Diameter x 7-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	104.23	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-1157	EA	1" Diameter x 8" Length, 316 Stainless Steel, Hex Head Bolt .....	105.78	
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-3.32	
		<i>For &gt;500, Deduct</i>	-3.99	
05 05 23 00-1158	EA	1" Diameter x 8-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	109.54	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-1159	EA	1" Diameter x 9" Length, 316 Stainless Steel, Hex Head Bolt .....	111.02	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-1160	EA	1" Diameter x 9-1/2" Length, 316 Stainless Steel, Hex Head Bolt .....	128.92	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	
05 05 23 00-1161	EA	1" Diameter x 10" Length, 316 Stainless Steel, Hex Head Bolt .....	146.20	
		<i>For &gt;100 To 250, Deduct</i>	-2.71	
		<i>For &gt;250 To 500, Deduct</i>	-3.38	
		<i>For &gt;500, Deduct</i>	-4.06	

**05 05 23 00-1162 Screws (05 05 23)**

**05 05 23 00-1163 Teks® 5 Self Drilling Screws (05 05 23 00-1162)**

Note: Includes Climaseal® finish, self-drill point and tapping threads.

05 05 23 00-1164	EA	12-24 x 1-1/4", Hex Washer Head, Teks® 5 Self Drilling Screw .....	4.63	
		<i>For &gt;10 To 50, Deduct</i>	-0.21	
		<i>For &gt;50 To 100, Deduct</i>	-0.42	
		<i>For &gt;100, Deduct</i>	-0.85	
05 05 23 00-1165	EA	12-24 x 1-1/2", Hex Washer Head, Teks® 5 Self Drilling Screw .....	4.82	
		<i>For &gt;10 To 50, Deduct</i>	-0.21	
		<i>For &gt;50 To 100, Deduct</i>	-0.43	
		<i>For &gt;100, Deduct</i>	-0.86	
05 05 23 00-1166	EA	12-24 x 2", Hex Washer Head, Teks® 5 Self Drilling Screw .....	5.37	
		<i>For &gt;10 To 50, Deduct</i>	-0.22	
		<i>For &gt;50 To 100, Deduct</i>	-0.46	
		<i>For &gt;100, Deduct</i>	-0.92	
05 05 23 00-1167	EA	1/4" x 3", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw .....	7.36	
		<i>For &gt;10 To 50, Deduct</i>	-0.27	
		<i>For &gt;50 To 100, Deduct</i>	-0.59	
		<i>For &gt;100, Deduct</i>	-1.19	
05 05 23 00-1168	EA	1/4" x 4", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw .....	7.87	
		<i>For &gt;10 To 50, Deduct</i>	-0.29	
		<i>For &gt;50 To 100, Deduct</i>	-0.63	
		<i>For &gt;100, Deduct</i>	-1.26	
05 05 23 00-1169	EA	1/4" x 6", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw .....	9.68	
		<i>For &gt;10 To 50, Deduct</i>	-0.30	
		<i>For &gt;50 To 100, Deduct</i>	-0.69	
		<i>For &gt;100, Deduct</i>	-1.39	
05 05 23 00-1170	EA	1/4" x 8", 28 TPI, Hex Washer Head, Teks® 5 Self Drilling Screw .....	10.79	
		<i>For &gt;10 To 50, Deduct</i>	-0.31	
		<i>For &gt;50 To 100, Deduct</i>	-0.74	
		<i>For &gt;100, Deduct</i>	-1.48	

**05 05 23 00-1171 Security Screws (05 05 23 00-1162)**

**05 05 23 00-1172 304/18-8 Stainless Steel, Security Screws (05 05 23 00-1171)**

Note: Includes "security" style drive in machine or sheet metal screw threads.

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1173	EA #4 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screws	3.63	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.35	
	<i>For &gt;100, Deduct</i>	-0.70	
05 05 23 00-1174	EA #6 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.14	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.36	
	<i>For &gt;100, Deduct</i>	-0.72	
05 05 23 00-1175	EA #6 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.57	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.37	
	<i>For &gt;100, Deduct</i>	-0.74	
05 05 23 00-1176	EA #6 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.72	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.38	
	<i>For &gt;100, Deduct</i>	-0.75	
05 05 23 00-1177	EA #6 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.00	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.38	
	<i>For &gt;100, Deduct</i>	-0.77	
05 05 23 00-1178	EA #8 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.25	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.36	
	<i>For &gt;100, Deduct</i>	-0.73	
05 05 23 00-1179	EA #8 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.45	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.37	
	<i>For &gt;100, Deduct</i>	-0.74	
05 05 23 00-1180	EA #8 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.89	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.38	
	<i>For &gt;100, Deduct</i>	-0.76	
05 05 23 00-1181	EA #8 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.02	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.38	
	<i>For &gt;100, Deduct</i>	-0.77	
05 05 23 00-1182	EA #10 Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.38	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.37	
	<i>For &gt;100, Deduct</i>	-0.74	
05 05 23 00-1183	EA #10 Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.44	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.37	
	<i>For &gt;100, Deduct</i>	-0.74	
05 05 23 00-1184	EA #10 Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.62	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.37	
	<i>For &gt;100, Deduct</i>	-0.75	
05 05 23 00-1185	EA #10 Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	5.21	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.39	
	<i>For &gt;100, Deduct</i>	-0.78	
05 05 23 00-1186	EA 1/4" Diameter x 1/2" Length, 304/18-8 Stainless Steel, Security Screw	4.72	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.38	
	<i>For &gt;100, Deduct</i>	-0.75	
05 05 23 00-1187	EA 1/4" Diameter x 1" Length, 304/18-8 Stainless Steel, Security Screw	4.85	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.38	
	<i>For &gt;100, Deduct</i>	-0.76	
05 05 23 00-1188	EA 1/4" Diameter x 1-1/2" Length, 304/18-8 Stainless Steel, Security Screw	5.41	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.39	
	<i>For &gt;100, Deduct</i>	-0.79	
05 05 23 00-1189	EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Security Screw	6.30	
	<i>For &gt;10 To 50, Deduct</i>	-0.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.42	
	<i>For &gt;100, Deduct</i>	-0.83	

**05 05 23 00-1190 Threaded Rod** (05 05 23)

Note: Fully threaded. See CSI section 05 05 19 00-0169 for anchoring adhesive, 05 05 23 00-1283 for nuts and washers.

**05 05 23 00-1191 Plain Finish Steel, Low Carbon Threaded Rod** (05 05 23 00-1190)

05 05 23 00-1192	LF 1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.52	0.92
	<i>For Left Hand Threaded Rod, Add</i>	0.17	
05 05 23 00-1193	LF 5/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.56	1.01
	<i>For Left Hand Threaded Rod, Add</i>	0.26	
05 05 23 00-1194	LF 3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	5.30	1.16
	<i>For Left Hand Threaded Rod, Add</i>	0.30	
05 05 23 00-1195	LF 7/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.03	1.18
	<i>For Left Hand Threaded Rod, Add</i>	0.47	
05 05 23 00-1196	LF 1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	7.21	1.23
	<i>For Left Hand Threaded Rod, Add</i>	0.48	
05 05 23 00-1197	LF 9/16" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	8.85	1.24
	<i>For Left Hand Threaded Rod, Add</i>	0.64	
05 05 23 00-1198	LF 5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	9.92	1.27
	<i>For Left Hand Threaded Rod, Add</i>	0.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1199	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	16.04 1.34	1.30
05 05 23 00-1200	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	17.46 1.48	1.35
05 05 23 00-1201	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	23.78 2.07	1.52
05 05 23 00-1202	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	29.53 2.61	1.69
05 05 23 00-1203	LF		1-1/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	39.07 3.53	1.83
05 05 23 00-1204	LF		1-3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	48.50 4.45	1.99
05 05 23 00-1205	LF		1-1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	57.92 5.38	2.08
05 05 23 00-1206	LF		1-3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	70.92 6.66	2.18
05 05 23 00-1207	LF		2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	90.42 8.58	2.30
<b>05 05 23 00-1208</b>			<b>Zinc Plated Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1209	LF		1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	3.54 0.17	0.92
05 05 23 00-1210	LF		5/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	5.12 0.31	1.01
05 05 23 00-1211	LF		3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	5.72 0.34	1.16
05 05 23 00-1212	LF		7/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	8.09 0.57	1.18
05 05 23 00-1213	LF		1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	8.69 0.63	1.23
05 05 23 00-1214	LF		9/16" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	11.26 0.88	1.24
05 05 23 00-1215	LF		5/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	11.94 0.94	1.27
05 05 23 00-1216	LF		3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	17.78 1.52	1.30
05 05 23 00-1217	LF		7/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	22.91 2.02	1.35
05 05 23 00-1218	LF		1" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	30.66 2.76	1.52
05 05 23 00-1219	LF		1-1/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	39.47 3.61	1.69
05 05 23 00-1220	LF		1-1/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	47.07 4.33	1.83
05 05 23 00-1221	LF		1-3/8" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	53.46 4.95	1.99
05 05 23 00-1222	LF		1-1/2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	67.18 6.30	2.08
05 05 23 00-1223	LF		1-3/4" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	83.11 7.87	2.18
05 05 23 00-1224	LF		2" Diameter, Zinc Plated Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	120.99 11.64	2.30
<b>05 05 23 00-1225</b>			<b>Hot Dipped Galvanized Steel, Low Carbon Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1226	LF		3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	9.19 0.69	1.16
05 05 23 00-1227	LF		1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	12.73 1.03	1.23
05 05 23 00-1228	LF		5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	17.06 1.45	1.27
05 05 23 00-1229	LF		3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	23.29 2.07	1.30
05 05 23 00-1230	LF		7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	32.09 2.94	1.35
05 05 23 00-1231	LF		1" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	41.34 3.83	1.52
05 05 23 00-1232	LF		1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	54.27 5.09	1.69
05 05 23 00-1233	LF		1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	71.27 6.75	1.83
05 05 23 00-1234	LF		1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	79.62 7.56	1.99
05 05 23 00-1235	LF		1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	94.69 9.05	2.08
05 05 23 00-1236	LF		1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	114.93 11.06	2.18
05 05 23 00-1237	LF		2" Diameter, Hot Dipped Galvanized Steel, Low Carbon Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	200.12 19.55	2.30
<b>05 05 23 00-1238</b>			<b>304/18-8 Stainless Steel Threaded Rod</b> <small>(05 05 23 00-1190)</small>		
05 05 23 00-1239	LF		1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	4.49 0.27	0.92
05 05 23 00-1240	LF		5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod ..... <i>For Left Hand Threaded Rod, Add</i>	6.56 0.46	1.01

## 05 Metals

## 05 05 Common Work Results for Metals

## 05 05 23 Metal Fastenings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1241	LF	3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	8.37	1.16
		<i>For Left Hand Threaded Rod, Add</i>	0.61	
05 05 23 00-1242	LF	7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	11.40	1.18
		<i>For Left Hand Threaded Rod, Add</i>	0.90	
05 05 23 00-1243	LF	1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	13.56	1.23
		<i>For Left Hand Threaded Rod, Add</i>	1.11	
05 05 23 00-1244	LF	9/16" Diameter, 304/18-8 Stainless Steel Threaded Rod	19.23	1.24
		<i>For Left Hand Threaded Rod, Add</i>	1.67	
05 05 23 00-1245	LF	5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	20.06	1.27
		<i>For Left Hand Threaded Rod, Add</i>	1.75	
05 05 23 00-1246	LF	3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	27.84	1.30
		<i>For Left Hand Threaded Rod, Add</i>	2.52	
05 05 23 00-1247	LF	7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod	38.05	1.35
		<i>For Left Hand Threaded Rod, Add</i>	3.54	
05 05 23 00-1248	LF	1" Diameter, 304/18-8 Stainless Steel Threaded Rod	48.70	1.52
		<i>For Left Hand Threaded Rod, Add</i>	4.56	
05 05 23 00-1249	LF	1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	102.36	1.83
		<i>For Left Hand Threaded Rod, Add</i>	9.85	
05 05 23 00-1250	LF	1-1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod	155.41	2.08
		<i>For Left Hand Threaded Rod, Add</i>	15.12	
05 05 23 00-1251	LF	1-3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod	159.88	2.18
		<i>For Left Hand Threaded Rod, Add</i>	15.55	
05 05 23 00-1252	LF	2" Diameter, 304/18-8 Stainless Steel Threaded Rod	220.83	2.30
		<i>For Left Hand Threaded Rod, Add</i>	21.63	

## 05 05 23 00-1253 316 Stainless Steel Threaded Rod (05 05 23 00-1190)

05 05 23 00-1254	LF	1/4" Diameter, 316 Stainless Steel Threaded Rod	6.28	0.92
		<i>For Left Hand Threaded Rod, Add</i>	0.45	
05 05 23 00-1255	LF	5/16" Diameter, 316 Stainless Steel Threaded Rod	9.87	1.01
		<i>For Left Hand Threaded Rod, Add</i>	0.79	
05 05 23 00-1256	LF	3/8" Diameter, 316 Stainless Steel Threaded Rod	13.02	1.16
		<i>For Left Hand Threaded Rod, Add</i>	1.07	
05 05 23 00-1257	LF	7/16" Diameter, 316 Stainless Steel Threaded Rod	19.99	1.18
		<i>For Left Hand Threaded Rod, Add</i>	1.76	
05 05 23 00-1258	LF	1/2" Diameter, 316 Stainless Steel Threaded Rod	21.18	1.23
		<i>For Left Hand Threaded Rod, Add</i>	1.87	
05 05 23 00-1259	LF	9/16" Diameter, 316 Stainless Steel Threaded Rod	27.59	1.24
		<i>For Left Hand Threaded Rod, Add</i>	2.51	
05 05 23 00-1260	LF	5/8" Diameter, 316 Stainless Steel Threaded Rod	29.65	1.27
		<i>For Left Hand Threaded Rod, Add</i>	2.71	
05 05 23 00-1261	LF	3/4" Diameter, 316 Stainless Steel Threaded Rod	42.94	1.30
		<i>For Left Hand Threaded Rod, Add</i>	4.03	
05 05 23 00-1262	LF	7/8" Diameter, 316 Stainless Steel Threaded Rod	58.56	1.35
		<i>For Left Hand Threaded Rod, Add</i>	5.59	
05 05 23 00-1263	LF	1" Diameter, 316 Stainless Steel Threaded Rod	74.00	1.52
		<i>For Left Hand Threaded Rod, Add</i>	7.09	
05 05 23 00-1264	LF	1-1/4" Diameter, 316 Stainless Steel Threaded Rod	155.51	1.83
		<i>For Left Hand Threaded Rod, Add</i>	15.17	
05 05 23 00-1265	LF	1-1/2" Diameter, 316 Stainless Steel Threaded Rod	203.62	2.08
		<i>For Left Hand Threaded Rod, Add</i>	19.95	

## 05 05 23 00-1266 Plain Finish Steel, B-7 Alloy Threaded Rod (05 05 23 00-1190)

05 05 23 00-1267	LF	1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	5.90	0.92
		<i>For Zinc Plating, Add</i>	2.04	
05 05 23 00-1268	LF	5/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	8.97	1.01
		<i>For Zinc Plating, Add</i>	3.48	
05 05 23 00-1269	LF	3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	9.42	1.16
		<i>For Zinc Plating, Add</i>	3.56	
05 05 23 00-1270	LF	7/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	10.27	1.18
		<i>For Zinc Plating, Add</i>	3.95	
05 05 23 00-1271	LF	1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	11.29	1.23
		<i>For Zinc Plating, Add</i>	4.43	
05 05 23 00-1272	LF	9/16" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	14.03	1.24
		<i>For Zinc Plating, Add</i>	5.77	
05 05 23 00-1273	LF	5/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	14.47	1.27
		<i>For Zinc Plating, Add</i>	5.97	
05 05 23 00-1274	LF	3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	19.12	1.30
		<i>For Zinc Plating, Add</i>	8.26	
05 05 23 00-1275	LF	7/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	22.85	1.35
		<i>For Zinc Plating, Add</i>	10.08	
05 05 23 00-1276	LF	1" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	29.59	1.52
		<i>For Zinc Plating, Add</i>	13.27	
05 05 23 00-1277	LF	1-1/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	38.41	1.69
		<i>For Zinc Plating, Add</i>	17.51	
05 05 23 00-1278	LF	1-1/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	42.76	1.83
		<i>For Zinc Plating, Add</i>	19.47	
05 05 23 00-1279	LF	1-3/8" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	49.30	1.99
		<i>For Zinc Plating, Add</i>	22.66	
05 05 23 00-1280	LF	1-1/2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	59.87	2.08
		<i>For Zinc Plating, Add</i>	27.85	
05 05 23 00-1281	LF	1-3/4" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	61.90	2.18
		<i>For Zinc Plating, Add</i>	28.77	
05 05 23 00-1282	LF	2" Diameter, Plain Finish Steel, B-7 Alloy Threaded Rod	82.91	2.30
		<i>For Zinc Plating, Add</i>	39.17	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

<b>05 05 23 00-1283 Nuts And Washers (05 05 23)</b>			
<b>05 05 23 00-1284 Hex Nuts (05 05 23 00-1283)</b>			
<b>05 05 23 00-1285 Zinc Plated Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)</b>			
05 05 23 00-1286	EA	1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.77 0.34
05 05 23 00-1287	EA	5/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.86 0.34
05 05 23 00-1288	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.91 0.34
05 05 23 00-1289	EA	7/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.06 0.34
05 05 23 00-1290	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.15 0.34
05 05 23 00-1291	EA	9/16" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.51 0.34
05 05 23 00-1292	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.56 0.34
05 05 23 00-1293	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.84 0.69
05 05 23 00-1294	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.69 0.69
05 05 23 00-1295	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.41 0.69
05 05 23 00-1296	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.57 0.69
05 05 23 00-1297	EA	1-1/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	6.81 0.69
05 05 23 00-1298	EA	1-3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	10.01 0.69
05 05 23 00-1299	EA	1-1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	11.59 1.03
05 05 23 00-1300	EA	1-3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	17.01 1.03
05 05 23 00-1301	EA	2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	24.58 1.03
<b>05 05 23 00-1302 Zinc Plated Steel, Grade 5 Hex Nuts (05 05 23 00-1284)</b>			
05 05 23 00-1303	EA	1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.79 0.34
05 05 23 00-1304	EA	5/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.87 0.34
05 05 23 00-1305	EA	3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	0.94 0.34
05 05 23 00-1306	EA	7/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.10 0.34
05 05 23 00-1307	EA	1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.29 0.34
05 05 23 00-1308	EA	9/16" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.55 0.34
05 05 23 00-1309	EA	5/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	1.59 0.34
05 05 23 00-1310	EA	3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.08 0.69
05 05 23 00-1311	EA	7/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	2.93 0.69
05 05 23 00-1312	EA	1" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	4.13 0.69
05 05 23 00-1313	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	6.29 0.69
05 05 23 00-1314	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	8.88 0.69
05 05 23 00-1315	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	13.03 0.69
05 05 23 00-1316	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	14.40 1.03
05 05 23 00-1317	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	25.97 1.03
05 05 23 00-1318	EA	2" Diameter, Zinc Plated Steel, Grade 5 Hex Nut.....	37.23 1.03
<b>05 05 23 00-1319 Zinc Plated Steel, Grade 8 Hex Nuts (05 05 23 00-1284)</b>			
05 05 23 00-1320	EA	1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.81 0.34
05 05 23 00-1321	EA	5/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	0.93 0.34
05 05 23 00-1322	EA	3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.00 0.34
05 05 23 00-1323	EA	7/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.25 0.34
05 05 23 00-1324	EA	1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.50 0.34
05 05 23 00-1325	EA	9/16" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	1.79 0.34
05 05 23 00-1326	EA	5/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.03 0.34
05 05 23 00-1327	EA	3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	2.52 0.69
05 05 23 00-1328	EA	7/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	3.77 0.69
05 05 23 00-1329	EA	1" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	5.02 0.69
05 05 23 00-1330	EA	1-1/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	7.85 0.69
05 05 23 00-1331	EA	1-1/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	9.78 0.69
05 05 23 00-1332	EA	1-3/8" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	16.10 0.69
05 05 23 00-1333	EA	1-1/2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	17.09 1.03
05 05 23 00-1334	EA	1-3/4" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	26.04 1.03
05 05 23 00-1335	EA	2" Diameter, Zinc Plated Steel, Grade 8 Hex Nut.....	36.82 1.03
<b>05 05 23 00-1336 Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nuts (05 05 23 00-1284)</b>			
05 05 23 00-1337	EA	1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.81 0.34
05 05 23 00-1338	EA	5/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.91 0.34
05 05 23 00-1339	EA	3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	0.98 0.34
05 05 23 00-1340	EA	7/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.23 0.34
05 05 23 00-1341	EA	1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.41 0.34
05 05 23 00-1342	EA	9/16" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.57 0.34
05 05 23 00-1343	EA	5/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	1.73 0.34
05 05 23 00-1344	EA	3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	2.30 0.69
05 05 23 00-1345	EA	7/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	3.33 0.69
05 05 23 00-1346	EA	1" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	4.59 0.69
05 05 23 00-1347	EA	1-1/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	7.59 0.69
05 05 23 00-1348	EA	1-1/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	9.72 0.69
05 05 23 00-1349	EA	1-3/8" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	14.42 0.69
05 05 23 00-1350	EA	1-1/2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	16.83 1.03
05 05 23 00-1351	EA	1-3/4" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	29.32 1.03
05 05 23 00-1352	EA	2" Diameter, Hot Dipped Galvanized Steel, Low Carbon/Grade 2 Hex Nut.....	50.72 1.03
<b>05 05 23 00-1353 304 Stainless Steel Hex Nuts (05 05 23 00-1284)</b>			
05 05 23 00-1354	EA	1/4" Diameter, 304 Stainless Steel Hex Nut.....	0.91 0.34
05 05 23 00-1355	EA	5/16" Diameter, 304 Stainless Steel Hex Nut.....	1.07 0.34
05 05 23 00-1356	EA	3/8" Diameter, 304 Stainless Steel Hex Nut.....	1.20 0.34



**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1357	EA	7/16" Diameter, 304 Stainless Steel Hex Nut.....	1.79	0.34
05 05 23 00-1358	EA	1/2" Diameter, 304 Stainless Steel Hex Nut.....	1.93	0.34
05 05 23 00-1359	EA	9/16" Diameter, 304 Stainless Steel Hex Nut.....	2.94	0.34
05 05 23 00-1360	EA	5/8" Diameter, 304 Stainless Steel Hex Nut.....	3.28	0.34
05 05 23 00-1361	EA	3/4" Diameter, 304 Stainless Steel Hex Nut.....	3.77	0.69
05 05 23 00-1362	EA	7/8" Diameter, 304 Stainless Steel Hex Nut.....	6.17	0.69
05 05 23 00-1363	EA	1" Diameter, 304 Stainless Steel Hex Nut.....	9.47	0.69
05 05 23 00-1364	EA	1-1/4" Diameter, 304 Stainless Steel Hex Nut.....	22.77	0.69
05 05 23 00-1365	EA	1-1/2" Diameter, 304 Stainless Steel Hex Nut.....	43.78	1.03
05 05 23 00-1366	EA	1-3/4" Diameter, 304 Stainless Steel Hex Nut.....	77.00	1.03
05 05 23 00-1367	EA	2" Diameter, 304 Stainless Steel Hex Nut.....	109.77	1.03

**05 05 23 00-1368 316 Stainless Steel Hex Nuts (05 05 23 00-1284)**

05 05 23 00-1369	EA	1/4" Diameter, 316 Stainless Steel Hex Nut.....	1.06	0.34
05 05 23 00-1370	EA	5/16" Diameter, 316 Stainless Steel Hex Nut.....	1.21	0.34
05 05 23 00-1371	EA	3/8" Diameter, 316 Stainless Steel Hex Nut.....	1.43	0.34
05 05 23 00-1372	EA	7/16" Diameter, 316 Stainless Steel Hex Nut.....	2.35	0.34
05 05 23 00-1373	EA	1/2" Diameter, 316 Stainless Steel Hex Nut.....	2.52	0.34
05 05 23 00-1374	EA	9/16" Diameter, 316 Stainless Steel Hex Nut.....	3.43	0.34
05 05 23 00-1375	EA	5/8" Diameter, 316 Stainless Steel Hex Nut.....	3.88	0.34
05 05 23 00-1376	EA	3/4" Diameter, 316 Stainless Steel Hex Nut.....	5.41	0.69
05 05 23 00-1377	EA	7/8" Diameter, 316 Stainless Steel Hex Nut.....	7.51	0.69
05 05 23 00-1378	EA	1" Diameter, 316 Stainless Steel Hex Nut.....	11.60	0.69
05 05 23 00-1379	EA	1-1/4" Diameter, 316 Stainless Steel Hex Nut.....	35.33	0.69
05 05 23 00-1380	EA	1-1/2" Diameter, 316 Stainless Steel Hex Nut.....	57.17	1.03
05 05 23 00-1381	EA	1-3/4" Diameter, 316 Stainless Steel Hex Nut.....	96.50	1.03
05 05 23 00-1382	EA	2" Diameter, 316 Stainless Steel Hex Nut.....	179.45	1.03

**05 05 23 00-1383 Flat Washers (05 05 23 00-1283)****05 05 23 00-1384 Zinc Plated Steel, Low Carbon Flat Washers (05 05 23 00-1383)**

05 05 23 00-1385	EA	1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.05	
05 05 23 00-1386	EA	5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.09	
05 05 23 00-1387	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.16	
05 05 23 00-1388	EA	7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.24	
05 05 23 00-1389	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.34	
05 05 23 00-1390	EA	9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.39	
05 05 23 00-1391	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.66	
05 05 23 00-1392	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.95	
05 05 23 00-1393	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.13	
05 05 23 00-1394	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.39	
05 05 23 00-1395	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.57	
05 05 23 00-1396	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.88	
05 05 23 00-1397	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.95	
05 05 23 00-1398	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.02	
05 05 23 00-1399	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	4.47	
05 05 23 00-1400	EA	2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	5.56	

**05 05 23 00-1401 Zinc Plated Steel, Hardened Flat Washers (05 05 23 00-1383)**

05 05 23 00-1402	EA	1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.20	
05 05 23 00-1403	EA	5/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.28	
05 05 23 00-1404	EA	3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.32	
05 05 23 00-1405	EA	7/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.44	
05 05 23 00-1406	EA	1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.59	
05 05 23 00-1407	EA	9/16" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	0.95	
05 05 23 00-1408	EA	5/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.36	
05 05 23 00-1409	EA	3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	1.92	
05 05 23 00-1410	EA	7/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.21	
05 05 23 00-1411	EA	1" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	3.56	
05 05 23 00-1412	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.17	
05 05 23 00-1413	EA	1-1/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	5.65	
05 05 23 00-1414	EA	1-3/8" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	7.45	
05 05 23 00-1415	EA	1-1/2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	8.52	
05 05 23 00-1416	EA	1-3/4" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	11.45	
05 05 23 00-1417	EA	2" Inside Diameter, Zinc Plated Steel, Hardened Flat Washer.....	13.74	

**05 05 23 00-1418 Hot Dipped Galvanized Steel Flat Washers (05 05 23 00-1383)**

05 05 23 00-1419	EA	1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.13	
05 05 23 00-1420	EA	5/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.19	
05 05 23 00-1421	EA	3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.21	
05 05 23 00-1422	EA	7/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.40	
05 05 23 00-1423	EA	1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.51	
05 05 23 00-1424	EA	9/16" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.84	
05 05 23 00-1425	EA	5/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	0.94	
05 05 23 00-1426	EA	3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	1.42	
05 05 23 00-1427	EA	7/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.00	
05 05 23 00-1428	EA	1" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	2.20	
05 05 23 00-1429	EA	1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.36	
05 05 23 00-1430	EA	1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	3.74	
05 05 23 00-1431	EA	1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.34	
05 05 23 00-1432	EA	1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer.....	5.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 05 23 00-1433	EA		1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Flat Washer .....	8.40	
<b>05 05 23 00-1434 304/18-8 Stainless Steel Flat Washers (05 05 23 00-1383)</b>					
05 05 23 00-1435	EA		1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	0.17	
05 05 23 00-1436	EA		5/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	0.22	
05 05 23 00-1437	EA		3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	0.31	
05 05 23 00-1438	EA		7/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	0.58	
05 05 23 00-1439	EA		1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	1.06	
05 05 23 00-1440	EA		9/16" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	1.32	
05 05 23 00-1441	EA		5/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	1.94	
05 05 23 00-1442	EA		3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	1.97	
05 05 23 00-1443	EA		7/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	4.16	
05 05 23 00-1444	EA		1" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	5.27	
05 05 23 00-1445	EA		1-1/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	6.13	
05 05 23 00-1446	EA		1-1/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	6.61	
05 05 23 00-1447	EA		1-3/8" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	6.98	
05 05 23 00-1448	EA		1-1/2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	8.51	
05 05 23 00-1449	EA		1-3/4" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	10.57	
05 05 23 00-1450	EA		2" Inside Diameter, 304/18-8 Stainless Steel Flat Washer .....	20.77	
<b>05 05 23 00-1451 316 Stainless Steel Flat Washers (05 05 23 00-1383)</b>					
05 05 23 00-1452	EA		1/4" Inside Diameter, 316 Stainless Steel Flat Washer .....	0.32	
05 05 23 00-1453	EA		5/16" Inside Diameter, 316 Stainless Steel Flat Washer .....	0.35	
05 05 23 00-1454	EA		3/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	0.63	
05 05 23 00-1455	EA		7/16" Inside Diameter, 316 Stainless Steel Flat Washer .....	0.74	
05 05 23 00-1456	EA		1/2" Inside Diameter, 316 Stainless Steel Flat Washer .....	1.37	
05 05 23 00-1457	EA		9/16" Inside Diameter, 316 Stainless Steel Flat Washer .....	2.47	
05 05 23 00-1458	EA		5/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	2.91	
05 05 23 00-1459	EA		3/4" Inside Diameter, 316 Stainless Steel Flat Washer .....	3.66	
05 05 23 00-1460	EA		7/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	5.67	
05 05 23 00-1461	EA		1" Inside Diameter, 316 Stainless Steel Flat Washer .....	6.34	
05 05 23 00-1462	EA		1-1/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	7.22	
05 05 23 00-1463	EA		1-1/4" Inside Diameter, 316 Stainless Steel Flat Washer .....	8.90	
05 05 23 00-1464	EA		1-3/8" Inside Diameter, 316 Stainless Steel Flat Washer .....	9.41	
05 05 23 00-1465	EA		1-1/2" Inside Diameter, 316 Stainless Steel Flat Washer .....	9.62	
05 05 23 00-1466	EA		1-3/4" Inside Diameter, 316 Stainless Steel Flat Washer .....	14.09	
<b>05 05 23 00-1467 Lock Washers (05 05 23 00-1283)</b>					
<b>05 05 23 00-1468 Zinc Plated Steel, Low Carbon Lock Washers (05 05 23 00-1467)</b>					
05 05 23 00-1469	EA		1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.02	
05 05 23 00-1470	EA		5/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.04	
05 05 23 00-1471	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.06	
05 05 23 00-1472	EA		7/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.10	
05 05 23 00-1473	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.13	
05 05 23 00-1474	EA		9/16" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.22	
05 05 23 00-1475	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.25	
05 05 23 00-1476	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.38	
05 05 23 00-1477	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	0.63	
05 05 23 00-1478	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.14	
05 05 23 00-1479	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	1.66	
05 05 23 00-1480	EA		1-1/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	2.55	
05 05 23 00-1481	EA		1-3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	4.03	
05 05 23 00-1482	EA		1-1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	4.75	
05 05 23 00-1483	EA		1-3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	8.47	
05 05 23 00-1484	EA		2" Inside Diameter, Zinc Plated Steel, Low Carbon Lock Washer .....	9.54	
<b>05 05 23 00-1485 Hot Dipped Galvanized Steel Lock Washers (05 05 23 00-1467)</b>					
05 05 23 00-1486	EA		1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.10	
05 05 23 00-1487	EA		5/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.12	
05 05 23 00-1488	EA		3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.16	
05 05 23 00-1489	EA		7/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.18	
05 05 23 00-1490	EA		1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.28	
05 05 23 00-1491	EA		9/16" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.37	
05 05 23 00-1492	EA		5/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.44	
05 05 23 00-1493	EA		3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	0.73	
05 05 23 00-1494	EA		7/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	1.05	
05 05 23 00-1495	EA		1" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	1.66	
05 05 23 00-1496	EA		1-1/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	3.01	
05 05 23 00-1497	EA		1-1/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	3.59	
05 05 23 00-1498	EA		1-3/8" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	5.17	
05 05 23 00-1499	EA		1-1/2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	5.92	
05 05 23 00-1500	EA		1-3/4" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	8.01	
05 05 23 00-1501	EA		2" Inside Diameter, Hot Dipped Galvanized Steel Lock Washer .....	10.91	
<b>05 05 23 00-1502 304/18-8 Stainless Steel Lock Washers (05 05 23 00-1467)</b>					
05 05 23 00-1503	EA		1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.14	
05 05 23 00-1504	EA		5/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.19	
05 05 23 00-1505	EA		3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.27	
05 05 23 00-1506	EA		7/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer .....	0.51	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1507	EA	1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	0.56
05 05 23 00-1508	EA	9/16" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.36
05 05 23 00-1509	EA	5/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.60
05 05 23 00-1510	EA	3/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	1.87
05 05 23 00-1511	EA	7/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	3.38
05 05 23 00-1512	EA	1" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	4.77
05 05 23 00-1513	EA	1-1/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	8.33
05 05 23 00-1514	EA	1-1/4" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	11.08
05 05 23 00-1515	EA	1-3/8" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	14.09
05 05 23 00-1516	EA	1-1/2" Inside Diameter, 304/18-8 Stainless Steel Lock Washer.....	16.91

**05 05 23 00-1517 316 Stainless Steel Lock Washers (05 05 23 00-1467)**

05 05 23 00-1518	EA	1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.17
05 05 23 00-1519	EA	5/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.37
05 05 23 00-1520	EA	3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.43
05 05 23 00-1521	EA	7/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.73
05 05 23 00-1522	EA	1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	0.81
05 05 23 00-1523	EA	9/16" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.45
05 05 23 00-1524	EA	5/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	1.59
05 05 23 00-1525	EA	3/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	2.75
05 05 23 00-1526	EA	7/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	4.55
05 05 23 00-1527	EA	1" Inside Diameter, 316 Stainless Steel Lock Washer.....	6.18
05 05 23 00-1528	EA	1-1/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	8.63
05 05 23 00-1529	EA	1-1/4" Inside Diameter, 316 Stainless Steel Lock Washer.....	13.28
05 05 23 00-1530	EA	1-3/8" Inside Diameter, 316 Stainless Steel Lock Washer.....	23.78
05 05 23 00-1531	EA	1-1/2" Inside Diameter, 316 Stainless Steel Lock Washer.....	26.41

**05 05 23 00-1532 Load Indicating Washers (05 05 23 00-1283)****05 05 23 00-1533 A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1532)****05 05 23 00-1534 Plain Finish, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)**

05 05 23 00-1535	EA	1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	2.76
05 05 23 00-1536	EA	5/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.13
05 05 23 00-1537	EA	3/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.37
05 05 23 00-1538	EA	7/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.83
05 05 23 00-1539	EA	1", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.62
05 05 23 00-1540	EA	1-1/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	7.69
05 05 23 00-1541	EA	1-1/4", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	9.94
05 05 23 00-1542	EA	1-3/8", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	12.68
05 05 23 00-1543	EA	1-1/2", Plain Finish, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	13.95

**05 05 23 00-1544 Galvanized, A325, Direct Tension Indicator, Load Indicating Washers (ASTM F959) (05 05 23 00-1533)**

05 05 23 00-1545	EA	1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.50
05 05 23 00-1546	EA	5/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.89
05 05 23 00-1547	EA	3/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	3.79
05 05 23 00-1548	EA	7/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	4.62
05 05 23 00-1549	EA	1", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	5.48
05 05 23 00-1550	EA	1-1/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	8.26
05 05 23 00-1551	EA	1-1/4", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	10.39
05 05 23 00-1552	EA	1-3/8", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	14.79
05 05 23 00-1553	EA	1-1/2", Galvanized, A325, Direct Tension Indicator, Load Indicating Washer (ASTM F959).....	16.27

**05 05 23 00-1554 Beveled Washers (05 05 23 00-1283)****05 05 23 00-1555 Plain Finish, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)**

05 05 23 00-1556	EA	1/2", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.56
05 05 23 00-1557	EA	5/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.66
05 05 23 00-1558	EA	3/4", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	4.76
05 05 23 00-1559	EA	7/8", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	5.79
05 05 23 00-1560	EA	1", Plain Finish, Square Beveled Structural Washer (ASTM F436).....	6.09

**05 05 23 00-1561 Galvanized, Square Beveled Structural Washers (ASTM F436) (05 05 23 00-1554)**

05 05 23 00-1562	EA	1/2", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.56
05 05 23 00-1563	EA	5/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.85
05 05 23 00-1564	EA	3/4", Galvanized, Square Beveled Structural Washer (ASTM F436).....	6.85
05 05 23 00-1565	EA	7/8", Galvanized, Square Beveled Structural Washer (ASTM F436).....	7.25
05 05 23 00-1566	EA	1", Galvanized, Square Beveled Structural Washer (ASTM F436).....	7.71

**05 05 23 00-1567 Drilling In Existing Steel Plates (05 05 23)**

05 05 23 00-1568	EA	Up To 1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	27.70
		For Aluminum, Deduct.....	-2.77
		For Stainless Steel, Add.....	3.46
		For >5 To 10, Deduct.....	-2.77
		For >10 To 25, Deduct.....	-6.93
		For >25 To 50, Deduct.....	-9.70
		For >50, Deduct.....	-13.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 05 23 00-1569	EA		>1/2" To 7/8" Diameter Drill Through Up To 1/4" Steel Plate.....	32.60	
			For Aluminum, Deduct	-3.26	
			For Stainless Steel, Add	4.08	
			For >5 To 10, Deduct	-3.26	
			For >10 To 25, Deduct	-8.15	
			For >25 To 50, Deduct	-11.41	
			For >50, Deduct	-16.30	
05 05 23 00-1570	EA		>7/8" To 1-1/2" Diameter Drill Through Up To 1/4" Steel Plate.....	39.12	
			For Aluminum, Deduct	-3.91	
			For Stainless Steel, Add	4.89	
			For >5 To 10, Deduct	-3.91	
			For >10 To 25, Deduct	-9.78	
			For >25 To 50, Deduct	-13.69	
			For >50, Deduct	-19.56	
05 05 23 00-1571	EA		>1-1/2" To 4" Diameter Drill Through Up To 1/4" Steel Plate.....	45.64	
			For Aluminum, Deduct	-4.56	
			For Stainless Steel, Add	5.71	
			For >5 To 10, Deduct	-4.56	
			For >10 To 25, Deduct	-11.41	
			For >25 To 50, Deduct	-15.97	
			For >50, Deduct	-22.82	
05 05 23 00-1572	EA		>4" To 10" Diameter Drill Through Up To 1/4" Steel Plate.....	61.13	
			For Aluminum, Deduct	-6.11	
			For Stainless Steel, Add	7.64	
			For >5 To 10, Deduct	-6.11	
			For >10 To 25, Deduct	-15.28	
			For >25 To 50, Deduct	-21.40	
			For >50, Deduct	-30.57	
05 05 23 00-1573	EA		Up To 1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	32.60	
			For Aluminum, Deduct	-3.26	
			For Stainless Steel, Add	4.08	
			For >5 To 10, Deduct	-3.26	
			For >10 To 25, Deduct	-8.15	
			For >25 To 50, Deduct	-11.41	
			For >50, Deduct	-16.30	
05 05 23 00-1574	EA		>1/2" To 7/8" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	40.75	
			For Aluminum, Deduct	-4.08	
			For Stainless Steel, Add	5.09	
			For >5 To 10, Deduct	-4.08	
			For >10 To 25, Deduct	-10.19	
			For >25 To 50, Deduct	-14.26	
			For >50, Deduct	-20.38	
05 05 23 00-1575	EA		>7/8" To 1-1/2" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	48.90	
			For Aluminum, Deduct	-4.89	
			For Stainless Steel, Add	6.11	
			For >5 To 10, Deduct	-4.89	
			For >10 To 25, Deduct	-12.23	
			For >25 To 50, Deduct	-17.12	
			For >50, Deduct	-24.45	
05 05 23 00-1576	EA		>1-1/2" To 4" Diameter Drill Through >1/4" To 1/2" Steel Plate.....	61.13	
			For Aluminum, Deduct	-6.11	
			For Stainless Steel, Add	7.64	
			For >5 To 10, Deduct	-6.11	
			For >10 To 25, Deduct	-15.28	
			For >25 To 50, Deduct	-21.40	
			For >50, Deduct	-30.57	
05 05 23 00-1577	EA		Up To 1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	40.75	
			For Aluminum, Deduct	-4.08	
			For Stainless Steel, Add	5.09	
			For >5 To 10, Deduct	-4.08	
			For >10 To 25, Deduct	-10.19	
			For >25 To 50, Deduct	-14.26	
			For >50, Deduct	-20.38	
05 05 23 00-1578	EA		>1/2" To 7/8" Diameter Drill Through >1/2" To 1" Steel Plate.....	53.79	
			For Aluminum, Deduct	-5.38	
			For Stainless Steel, Add	6.72	
			For >5 To 10, Deduct	-5.38	
			For >10 To 25, Deduct	-13.45	
			For >25 To 50, Deduct	-18.83	
			For >50, Deduct	-26.90	
05 05 23 00-1579	EA		>7/8" To 1-1/2" Diameter Drill Through >1/2" To 1" Steel Plate.....	65.19	
			For Aluminum, Deduct	-6.52	
			For Stainless Steel, Add	8.15	
			For >5 To 10, Deduct	-6.52	
			For >10 To 25, Deduct	-16.30	
			For >25 To 50, Deduct	-22.82	
			For >50, Deduct	-32.60	
05 05 23 00-1580			<b>Cutting Existing Steel With Torch</b> (05 05 23)		
05 05 23 00-1581	LF		Torch Cutting, Milled Steel Up To 1/4" Thick.....	11.29	
05 05 23 00-1582			<b>Welded Stud Anchors</b> (05 05 23)		
05 05 23 00-1583	EA		1-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	5.67	
05 05 23 00-1584	EA		2-11/16" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	5.78	
05 05 23 00-1585	EA		3-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	5.83	
05 05 23 00-1586	EA		4-1/8" Long x 1/4" Diameter, Welded Stud Concrete Anchors.....	5.87	
05 05 23 00-1587	EA		1-3/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.66	
05 05 23 00-1588	EA		1-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	5.93	

**05 Metals****05 05 Common Work Results for Metals****05 05 23 Metal Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 05 23 00-1589	EA	2-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.20	
05 05 23 00-1590	EA	2-5/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.34	
05 05 23 00-1591	EA	3-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	6.48	
05 05 23 00-1592	EA	4-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	7.04	
05 05 23 00-1593	EA	5-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	7.50	
05 05 23 00-1594	EA	6-1/8" Long x 3/8" Diameter, Welded Stud Concrete Anchors.....	7.87	
05 05 23 00-1595	EA	1-1/2" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.85	
05 05 23 00-1596	EA	1-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	6.89	
05 05 23 00-1597	EA	2-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.31	
05 05 23 00-1598	EA	2-5/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	7.71	
05 05 23 00-1599	EA	3-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.20	
05 05 23 00-1600	EA	4-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	8.96	
05 05 23 00-1601	EA	5-5/16" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	9.45	
05 05 23 00-1602	EA	6-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	10.79	
05 05 23 00-1603	EA	8-1/8" Long x 1/2" Diameter, Welded Stud Concrete Anchors.....	13.32	
05 05 23 00-1604	EA	2-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	9.57	
05 05 23 00-1605	EA	3-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.21	
05 05 23 00-1606	EA	3-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	10.73	
05 05 23 00-1607	EA	4-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	11.25	
05 05 23 00-1608	EA	4-11/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	11.68	
05 05 23 00-1609	EA	5-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	12.07	
05 05 23 00-1610	EA	6-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	12.59	
05 05 23 00-1611	EA	6-9/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	14.76	
05 05 23 00-1612	EA	8-3/16" Long x 5/8" Diameter, Welded Stud Concrete Anchors.....	17.75	

**05 05 23 00-1613 Welded Shear Stud Connector (05 05 23)****05 05 23 00-1614 3/4" Diameter Welded Shear Stud Connector (05 05 23 00-1613)**

05 05 23 00-1615	EA	3/4" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	12.16	
05 05 23 00-1616	EA	3/4" Diameter x 3-3/8" Long, Welded Shear Stud Connector.....	12.62	
05 05 23 00-1617	EA	3/4" Diameter x 3-7/8" Long, Welded Shear Stud Connector.....	12.74	
05 05 23 00-1618	EA	3/4" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	12.80	
05 05 23 00-1619	EA	3/4" Diameter x 4-3/8" Long, Welded Shear Stud Connector.....	13.32	
05 05 23 00-1620	EA	3/4" Diameter x 4-11/16" Long, Welded Shear Stud Connector.....	14.27	
05 05 23 00-1621	EA	3/4" Diameter x 4-7/8" Long, Welded Shear Stud Connector.....	23.46	
05 05 23 00-1622	EA	3/4" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	15.37	
05 05 23 00-1623	EA	3/4" Diameter x 5-3/8" Long, Welded Shear Stud Connector.....	17.05	
05 05 23 00-1624	EA	3/4" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	22.71	
05 05 23 00-1625	EA	3/4" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	23.23	
05 05 23 00-1626	EA	3/4" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	25.06	
05 05 23 00-1627	EA	3/4" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	32.75	

**05 05 23 00-1628 7/8" Diameter Welded Shear Stud Connector (05 05 23 00-1613)**

05 05 23 00-1629	EA	7/8" Diameter x 3-3/16" Long, Welded Shear Stud Connector.....	14.45	
05 05 23 00-1630	EA	7/8" Diameter x 3-11/16" Long, Welded Shear Stud Connector.....	15.19	
05 05 23 00-1631	EA	7/8" Diameter x 4-3/16" Long, Welded Shear Stud Connector.....	15.92	
05 05 23 00-1632	EA	7/8" Diameter x 5-3/16" Long, Welded Shear Stud Connector.....	18.03	
05 05 23 00-1633	EA	7/8" Diameter x 6-3/16" Long, Welded Shear Stud Connector.....	23.84	
05 05 23 00-1634	EA	7/8" Diameter x 7-3/16" Long, Welded Shear Stud Connector.....	26.07	
05 05 23 00-1635	EA	7/8" Diameter x 8-3/16" Long, Welded Shear Stud Connector.....	28.26	
05 05 23 00-1636	EA	7/8" Diameter x 10-3/16" Long, Welded Shear Stud Connector.....	34.43	

**05 05 23 00-1637 1" Diameter Welded Shear Stud Connector (05 05 23 00-1613)**

05 05 23 00-1638	EA	1" Diameter x 3-1/4" Long, Welded Shear Stud Connector.....	19.25	
05 05 23 00-1639	EA	1" Diameter x 4-1/4" Long, Welded Shear Stud Connector.....	21.51	
05 05 23 00-1640	EA	1" Diameter x 5-1/4" Long, Welded Shear Stud Connector.....	24.83	
05 05 23 00-1641	EA	1" Diameter x 6-1/4" Long, Welded Shear Stud Connector.....	32.17	
05 05 23 00-1642	EA	1" Diameter x 7-1/4" Long, Welded Shear Stud Connector.....	35.65	
05 05 23 00-1643	EA	1" Diameter x 8-1/4" Long, Welded Shear Stud Connector.....	39.13	

**05 10 Structural Metal Framing (05)****05 12 Structural Steel Framing (05 10)****05 12 23 Structural Steel for Buildings (05 12)**

See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

**05 12 23 00-0001 Rolled Steel Members (05 12 23)**

Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.

**05 12 23 00-0002 Beams, Girders And Columns (05 12 23 00-0001)**

Note: For one and two story I beams and W shapes and HP shapes.

05 12 23 00-0003	TON	Up To 30 LB/LF Beams, Girders And Columns.....	13,487.33	1,898.29
		For ASTM A242 Type 2 High Strength Steel, Add	764.81	
		For Hot Dip Galvanizing, Add	2,676.84	
		For >10 To 25 Tons, Deduct	-812.61	
		For >25 To 50 Tons, Deduct	-1,673.03	
		For >50 Tons, Deduct	-2,390.04	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	05 12 23 00-0004		TON	>30-65 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,155.17 627.69 2,196.91 -666.92 -1,373.07 -1,961.53	1,227.11
	05 12 23 00-0005		TON	>65-100 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	7,701.99 557.25 1,950.38 -592.08 -1,218.99 -1,741.41	690.33
	05 12 23 00-0006		TON	>100-300 LB/LF Beams, Girders And Columns..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	5,154.56 380.95 1,333.32 -404.76 -833.32 -1,190.46	367.43
	05 12 23 00-0007			<b>Trusses, Built-Up</b> <small>(05 12 23 00-0001)</small>		
	05 12 23 00-0008		TON	Built-Up Trusses, Rolled Structural Steel Members..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	9,712.16 666.87 2,334.03 -708.54 -1,458.77 -2,083.96	1,291.00
	05 12 23 00-0009			<b>Shapes</b> <small>(05 12 23 00-0001)</small>		
	05 12 23 00-0010			<b>Rolled Shape Steel Angles</b> <small>(05 12 23 00-0009)</small>		
	05 12 23 00-0011		TON	Up To 10 LB/LF Rolled Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	19,687.77 1,104.50 3,865.74 -1,173.53 -2,416.09 -3,451.55	3,528.93
	05 12 23 00-0012		TON	>10 To 20 LB/LF Rolled Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	17,134.24 1,056.57 3,697.98 -1,122.60 -2,311.24 -3,301.77	2,070.97
	05 12 23 00-0013		TON	>20 To 58 LB/LF Rolled Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,926.91 929.44 3,253.06 -987.54 -2,033.16 -2,904.52	1,227.11
	05 12 23 00-0014			<b>Rolled C, MC Steel Channels</b> <small>(05 12 23 00-0009)</small>		
	05 12 23 00-0015		TON	Up To 10 LB/LF Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	21,689.50 1,087.82 3,807.39 -1,155.81 -2,379.62 -3,399.45	4,832.26
	05 12 23 00-0016		TON	>10 To 20 Rolled C, MC Steel Channels..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	16,951.90 1,041.98 3,646.92 -1,107.10 -2,279.33 -3,256.18	3,681.73
	05 12 23 00-0017		TON	>20 To 58 LB/LF Rolled C, MC Steel Channels ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	12,718.51 912.77 3,194.70 -969.82 -1,996.69 -2,852.42	1,227.11
	05 12 23 00-0018			<b>Double L Shape Steel Angles</b> <small>(05 12 23 00-0009)</small>		
	05 12 23 00-0019		TON	Up To 20 LB/LF Double L Shape Steel Angles..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	18,186.52 1,062.82 3,719.86 -1,129.24 -2,324.91 -3,321.31	2,799.94
	05 12 23 00-0020		TON	>20 To 50 LB/LF Double L Shape Steel Angles ..... <i>For ASTM A242 Type 2 High Strength Steel, Add</i> <i>For Hot Dip Galvanizing, Add</i> <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>	13,812.59 1,000.30 3,501.05 -1,062.82 -2,188.15 -3,125.94	1,227.11



**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0021	TON		>50 To 80 LB/LF Double L Shape Steel Angles .....	10,374.65	690.33
			For ASTM A242 Type 2 High Strength Steel, Add	771.06	
			For Hot Dip Galvanizing, Add	2,698.72	
			For >10 To 25 Tons, Deduct	-819.26	
			For >25 To 50 Tons, Deduct	-1,686.70	
			For >50 Tons, Deduct	-2,409.58	
05 12 23 00-0022	TON		>80 To 115 LB/LF Double L Shape Steel Angles .....	6,643.98	367.98
			For ASTM A242 Type 2 High Strength Steel, Add	500.15	
			For Hot Dip Galvanizing, Add	1,750.52	
			For >10 To 25 Tons, Deduct	-531.41	
			For >25 To 50 Tons, Deduct	-1,094.08	
			For >50 Tons, Deduct	-1,562.97	
<b>05 12 23 00-0023</b>			<b>Structural WT, MT, ST Tee Shapes (05 12 23 00-0001)</b>		
05 12 23 00-0024	TON		Up To 30 LB/LF Structural WT, MT, ST Tee Shapes .....	16,430.91	2,070.97
			For ASTM A242 Type 2 High Strength Steel, Add	1,000.30	
			For Hot Dip Galvanizing, Add	3,501.05	
			For >10 To 25 Tons, Deduct	-1,062.82	
			For >25 To 50 Tons, Deduct	-2,188.15	
			For >50 Tons, Deduct	-3,125.94	
05 12 23 00-0025	TON		>30 To 65 LB/LF Structural WT, MT, ST Tee Shapes .....	10,869.21	1,227.11
			For ASTM A242 Type 2 High Strength Steel, Add	764.81	
			For Hot Dip Galvanizing, Add	2,676.84	
			For >10 To 25 Tons, Deduct	-812.61	
			For >25 To 50 Tons, Deduct	-1,673.03	
			For >50 Tons, Deduct	-2,390.04	
05 12 23 00-0026	TON		>65 To 100 LB/LF Structural WT, MT, ST Tee Shapes .....	8,551.19	690.33
			For ASTM A242 Type 2 High Strength Steel, Add	625.19	
			For Hot Dip Galvanizing, Add	2,188.16	
			For >10 To 25 Tons, Deduct	-664.26	
			For >25 To 50 Tons, Deduct	-1,367.60	
			For >50 Tons, Deduct	-1,953.71	
05 12 23 00-0027	TON		>100 To 365 LB/LF Structural WT, MT, ST Tee Shapes .....	6,279.90	367.43
			For ASTM A242 Type 2 High Strength Steel, Add	470.97	
			For Hot Dip Galvanizing, Add	1,648.41	
			For >10 To 25 Tons, Deduct	-500.41	
			For >25 To 50 Tons, Deduct	-1,030.26	
			For >50 Tons, Deduct	-1,471.80	
<b>05 12 23 00-0028</b>			<b>Combination Section Shapes (05 12 23 00-0001)</b>		
<b>05 12 23 00-0029</b>			<b>Combination Section, W Shapes And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0030	TON		Up To 30 LB/LF Combination Section - W Shapes And Angles .....	15,623.37	2,070.97
			For ASTM A242 Type 2 High Strength Steel, Add	935.70	
			For Hot Dip Galvanizing, Add	3,274.94	
			For >10 To 25 Tons, Deduct	-994.18	
			For >25 To 50 Tons, Deduct	-2,046.84	
			For >50 Tons, Deduct	-2,924.05	
05 12 23 00-0031	TON		>30-65 LB/LF Combination Section - W Shapes And Angles .....	10,947.38	1,227.11
			For ASTM A242 Type 2 High Strength Steel, Add	771.07	
			For Hot Dip Galvanizing, Add	2,698.73	
			For >10 To 25 Tons, Deduct	-819.26	
			For >25 To 50 Tons, Deduct	-1,686.71	
			For >50 Tons, Deduct	-2,409.58	
05 12 23 00-0032	TON		>65-100 LB/LF Combination Section - W Shapes And Angles .....	7,899.95	690.33
			For ASTM A242 Type 2 High Strength Steel, Add	573.09	
			For Hot Dip Galvanizing, Add	2,005.81	
			For >10 To 25 Tons, Deduct	-608.91	
			For >25 To 50 Tons, Deduct	-1,253.63	
			For >50 Tons, Deduct	-1,790.90	
05 12 23 00-0033	TON		>100-300 LB/LF Combination Section - W Shapes And Angles .....	6,800.28	367.43
			For ASTM A242 Type 2 High Strength Steel, Add	512.65	
			For Hot Dip Galvanizing, Add	1,794.29	
			For >10 To 25 Tons, Deduct	-544.69	
			For >25 To 50 Tons, Deduct	-1,121.43	
			For >50 Tons, Deduct	-1,602.04	
05 12 23 00-0034	TON		>300-500 LB/LF Combination Section - W Shapes And Angles .....	5,849.10	184.45
			For ASTM A242 Type 2 High Strength Steel, Add	452.22	
			For Hot Dip Galvanizing, Add	1,582.77	
			For >10 To 25 Tons, Deduct	-480.48	
			For >25 To 50 Tons, Deduct	-989.23	
			For >50 Tons, Deduct	-1,413.19	
<b>05 12 23 00-0035</b>			<b>Combination Section, S Shapes And Angles (05 12 23 00-0028)</b>		
05 12 23 00-0036	TON		>30-65 LB/LF Combination Section - S Shapes And Angles .....	10,530.57	1,227.11
			For ASTM A242 Type 2 High Strength Steel, Add	737.72	
			For Hot Dip Galvanizing, Add	2,582.02	
			For >10 To 25 Tons, Deduct	-783.83	
			For >25 To 50 Tons, Deduct	-1,613.76	
			For >50 Tons, Deduct	-2,305.38	
05 12 23 00-0037	TON		>65-100 LB/LF Combination Section - S Shapes And Angles .....	7,926.00	690.33
			For ASTM A242 Type 2 High Strength Steel, Add	575.17	
			For Hot Dip Galvanizing, Add	2,013.10	
			For >10 To 25 Tons, Deduct	-611.12	
			For >25 To 50 Tons, Deduct	-1,258.19	
			For >50 Tons, Deduct	-1,797.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>05 12 23 00-0038</b>		<b>Combination Section, Channels And Angles</b> <small>(05 12 23 00-0028)</small>			
05 12 23 00-0039	TON	Up To 30 LB/LF Combination Section - Channels And Angles	16,430.91	2,070.97	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	1,000.30		
		<i>For Hot Dip Galvanizing, Add</i>	3,501.05		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-1,062.82		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-2,188.15		
		<i>For &gt;50 Tons, Deduct</i>	-3,125.94		
05 12 23 00-0040	TON	>30-65 LB/LF Combination Section - Channels And Angles	11,468.35	1,227.11	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	812.74		
		<i>For Hot Dip Galvanizing, Add</i>	2,844.60		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-863.54		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,777.88		
		<i>For &gt;50 Tons, Deduct</i>	-2,539.82		
05 12 23 00-0041	TON	>65-100 LB/LF Combination Section - Channels And Angles	8,108.34	690.33	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	589.76		
		<i>For Hot Dip Galvanizing, Add</i>	2,064.16		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-626.62		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,290.10		
		<i>For &gt;50 Tons, Deduct</i>	-1,843.00		
<b>05 12 23 00-0042</b>		<b>Standard Weight Pipe</b> <small>(05 12 23 00-0001)</small>			
05 12 23 00-0043	TON	1/2" To 5" Diameter Standard Weight Pipe	9,305.59	1,104.52	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	650.19		
		<i>For Hot Dip Galvanizing, Add</i>	2,275.68		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-690.83		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,422.30		
		<i>For &gt;50 Tons, Deduct</i>	-2,031.86		
05 12 23 00-0044	TON	>5" To 12" Diameter Standard Weight Pipe	9,964.80	1,380.64	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	679.37		
		<i>For Hot Dip Galvanizing, Add</i>	2,377.79		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-721.83		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,486.12		
		<i>For &gt;50 Tons, Deduct</i>	-2,123.03		
<b>05 12 23 00-0045</b>		<b>Structural Steel Shapes</b> <small>(05 12 23)</small>			
		Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding. See CSI section 05 05 21 00-0007 for moment connection welding, 05 12 23 00-0101 for field fabrication of additional structural metal connections.			
<b>05 12 23 00-0046</b>		<b>Steel Rods</b> <small>(05 12 23 00-0045)</small>			
05 12 23 00-0047	TON	1/2" To 5" Diameter Extra Strong Steel, Solid	9,985.63	862.99	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	725.22		
		<i>For Hot Dip Galvanizing, Add</i>	2,538.26		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-770.54		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,586.41		
		<i>For &gt;50 Tons, Deduct</i>	-2,266.30		
05 12 23 00-0048	TON	>5" To 12" Diameter Extra Strong Steel, Solid	11,468.35	1,227.11	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	812.74		
		<i>For Hot Dip Galvanizing, Add</i>	2,844.60		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-863.54		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,777.88		
		<i>For &gt;50 Tons, Deduct</i>	-2,539.82		
<b>05 12 23 00-0049</b>		<b>Column Base Plates</b> <small>(05 12 23 00-0045)</small>			
05 12 23 00-0050	LB	Column Base Plates, Up To 150 LB / Each, A36 Miscellaneous Steel Items	5.27	1.29	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	0.31		
		<i>For Hot Dip Galvanizing, Add</i>	1.09		
05 12 23 00-0051	LB	Column Base Plates, >150 LB / Each, A36 Miscellaneous Steel Items	4.93	1.10	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	0.30		
		<i>For Hot Dip Galvanizing, Add</i>	1.04		
05 12 23 00-0052	TON	Column Base Plates, Up To 150 LB Each, A36 Miscellaneous Steel Items	9,280.38	1,145.92	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	644.65		
		<i>For Hot Dip Galvanizing, Add</i>	2,256.26		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-684.94		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,410.16		
		<i>For &gt;50 Tons, Deduct</i>	-2,014.52		
05 12 23 00-0053	TON	Column Base Plates, >150 LB Each, A36 Miscellaneous Steel Items	6,561.68	687.55	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	466.26		
		<i>For Hot Dip Galvanizing, Add</i>	1,631.92		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-495.41		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,019.95		
		<i>For &gt;50 Tons, Deduct</i>	-1,457.08		
<b>05 12 23 00-0054</b>		<b>Double Extra Strong Pipes</b> <small>(05 12 23 00-0045)</small>			
05 12 23 00-0055	TON	2" To 5" Diameter Double Extra Strong Pipe	12,050.75	1,577.81	
		<i>For ASTM A242 Type 2 High Strength Steel, Add</i>	829.41		
		<i>For Hot Dip Galvanizing, Add</i>	2,902.95		
		<i>For &gt;10 To 25 Tons, Deduct</i>	-881.25		
		<i>For &gt;25 To 50 Tons, Deduct</i>	-1,814.34		
		<i>For &gt;50 Tons, Deduct</i>	-2,591.92		

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0056	TON >5" To 8" Diameter Double Extra Strong Pipe .....	11,273.95	849.55
	For ASTM A242 Type 2 High Strength Steel, Add	829.41	
	For Hot Dip Galvanizing, Add	2,902.95	
	For >10 To 25 Tons, Deduct	-881.25	
	For >25 To 50 Tons, Deduct	-1,814.34	
	For >50 Tons, Deduct	-2,591.92	

## 05 12 23 00-0057 Structural Pipes (05 12 23 00-0045)

05 12 23 00-0058	TON 3" To 5" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items.....	8,415.47	728.98
	For ASTM A242 Type 2 High Strength Steel, Add	583.51	
	For Hot Dip Galvanizing, Add	2,042.28	
	For >10 To 25 Tons, Deduct	-619.98	
	For >25 To 50 Tons, Deduct	-1,276.42	
	For >50 Tons, Deduct	-1,823.46	
05 12 23 00-0059	TON >5" To 12" Outside Diameter Structural Pipe, Extra Heavy A36 Miscellaneous Steel Items .....	9,148.62	840.73
	For ASTM A242 Type 2 High Strength Steel, Add	583.51	
	For Hot Dip Galvanizing, Add	2,042.28	
	For >10 To 25 Tons, Deduct	-619.98	
	For >25 To 50 Tons, Deduct	-1,276.42	
	For >50 Tons, Deduct	-1,823.46	

## 05 12 23 00-0060 Structural Tubing (05 12 23 00-0045)

## 05 12 23 00-0061 Rectangle Structural Tubing (05 12 23 00-0060)

05 12 23 00-0062	TON 3" x 2" Weight Range 5-7 LB/LF Structural Tubing - Rectangle.....	13,810.16	736.35
	For ASTM A242 Type 2 High Strength Steel, Add	1,041.98	
	For Hot Dip Galvanizing, Add	3,646.92	
	For >10 To 25 Tons, Deduct	-1,107.10	
	For >25 To 50 Tons, Deduct	-2,279.33	
	For >50 Tons, Deduct	-3,256.18	
05 12 23 00-0063	TON 4" x 3", 2" Weight Range 6-13 LB/LF Structural Tubing - Rectangle .....	13,931.00	849.55
	For ASTM A242 Type 2 High Strength Steel, Add	1,041.98	
	For Hot Dip Galvanizing, Add	3,646.92	
	For >10 To 25 Tons, Deduct	-1,107.10	
	For >25 To 50 Tons, Deduct	-2,279.33	
	For >50 Tons, Deduct	-3,256.18	
05 12 23 00-0064	TON 5" x 4", 3", 2" Weight Range 8-20 LB/LF Structural Tubing - Rectangle .....	12,183.05	920.43
	For ASTM A242 Type 2 High Strength Steel, Add	896.10	
	For Hot Dip Galvanizing, Add	3,136.35	
	For >10 To 25 Tons, Deduct	-952.11	
	For >25 To 50 Tons, Deduct	-1,960.22	
	For >50 Tons, Deduct	-2,800.32	
05 12 23 00-0065	TON 6" x 4", 3", 2" Weight Range 9-29 LB/LF Structural Tubing - Rectangle .....	11,597.94	1,104.52
	For ASTM A242 Type 2 High Strength Steel, Add	833.58	
	For Hot Dip Galvanizing, Add	2,917.54	
	For >10 To 25 Tons, Deduct	-885.68	
	For >25 To 50 Tons, Deduct	-1,823.46	
	For >50 Tons, Deduct	-2,604.95	
05 12 23 00-0066	TON 7" x 5", 4", 3" Weight Range 12-35 LB/LF Structural Tubing - Rectangle .....	11,424.24	1,227.11
	For ASTM A242 Type 2 High Strength Steel, Add	809.21	
	For Hot Dip Galvanizing, Add	2,832.25	
	For >10 To 25 Tons, Deduct	-859.79	
	For >25 To 50 Tons, Deduct	-1,770.16	
	For >50 Tons, Deduct	-2,528.80	
05 12 23 00-0067	TON 8" x 6", 4", 3", 2" Weight Range 11-42 LB/LF Structural Tubing - Rectangle .....	11,688.16	1,698.19
	For ASTM A242 Type 2 High Strength Steel, Add	790.14	
	For Hot Dip Galvanizing, Add	2,765.49	
	For >10 To 25 Tons, Deduct	-839.52	
	For >25 To 50 Tons, Deduct	-1,728.43	
	For >50 Tons, Deduct	-2,469.19	
05 12 23 00-0068	TON 10" x 6", 4", 2" Weight Range 15-50 LB/LF Structural Tubing - Rectangle .....	12,241.30	2,244.93
	For ASTM A242 Type 2 High Strength Steel, Add	787.74	
	For Hot Dip Galvanizing, Add	2,757.07	
	For >10 To 25 Tons, Deduct	-836.97	
	For >25 To 50 Tons, Deduct	-1,723.17	
	For >50 Tons, Deduct	-2,461.67	
05 12 23 00-0069	TON 12" x 6", 4", 2" Weight Range 17-76 LB/LF Structural Tubing - Rectangle .....	12,566.67	2,452.21
	For ASTM A242 Type 2 High Strength Steel, Add	796.07	
	For Hot Dip Galvanizing, Add	2,786.25	
	For >10 To 25 Tons, Deduct	-845.83	
	For >25 To 50 Tons, Deduct	-1,741.41	
	For >50 Tons, Deduct	-2,487.72	
05 12 23 00-0070	TON 14" x 10", 6", 4" Weight Range 29-76 LB/LF Structural Tubing - Rectangle .....	12,896.27	2,761.29
	For ASTM A242 Type 2 High Strength Steel, Add	796.07	
	For Hot Dip Galvanizing, Add	2,786.25	
	For >10 To 25 Tons, Deduct	-845.83	
	For >25 To 50 Tons, Deduct	-1,741.41	
	For >50 Tons, Deduct	-2,487.72	
05 12 23 00-0071	TON 16" x 12", 8", 4" Weight Range 40-90 LB/LF Structural Tubing - Rectangle .....	13,773.85	3,681.73
	For ASTM A242 Type 2 High Strength Steel, Add	787.74	
	For Hot Dip Galvanizing, Add	2,757.07	
	For >10 To 25 Tons, Deduct	-836.97	
	For >25 To 50 Tons, Deduct	-1,723.17	
	For >50 Tons, Deduct	-2,461.67	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0072	TON	18" x 6", 4" Weight Range 48-76 LB/LF Structural Tubing - Rectangle .....	15,773.96	5,801.10
		For ASTM A242 Type 2 High Strength Steel, Add	766.90	
		For Hot Dip Galvanizing, Add	2,684.14	
		For >10 To 25 Tons, Deduct	-814.83	
		For >25 To 50 Tons, Deduct	-1,677.59	
		For >50 Tons, Deduct	-2,396.55	
05 12 23 00-0073	TON	20" x 12", 8", 4" Weight Range 48-105 LB/LF Structural Tubing - Rectangle .....	18,188.33	8,470.35
		For ASTM A242 Type 2 High Strength Steel, Add	732.27	
		For Hot Dip Galvanizing, Add	2,562.96	
		For >10 To 25 Tons, Deduct	-778.04	
		For >25 To 50 Tons, Deduct	-1,601.65	
		For >50 Tons, Deduct	-2,288.36	

**05 12 23 00-0074 Square Structural Tubing** (05 12 23 00-0060)

05 12 23 00-0075	TON	2" x 2" Weight Range 4-6 LB/LF Structural Tubing - Square .....	13,761.08	690.33
		For ASTM A242 Type 2 High Strength Steel, Add	1,041.98	
		For Hot Dip Galvanizing, Add	3,646.92	
		For >10 To 25 Tons, Deduct	-1,107.10	
		For >25 To 50 Tons, Deduct	-2,279.33	
		For >50 Tons, Deduct	-3,256.18	
05 12 23 00-0076	TON	2.5" x 2.5" Weight Range 5-8 LB/LF Structural Tubing - Square .....	13,810.16	736.35
		For ASTM A242 Type 2 High Strength Steel, Add	1,041.98	
		For Hot Dip Galvanizing, Add	3,646.92	
		For >10 To 25 Tons, Deduct	-1,107.10	
		For >25 To 50 Tons, Deduct	-2,279.33	
		For >50 Tons, Deduct	-3,256.18	
05 12 23 00-0077	TON	3" x 3" Weight Range 6-11 LB/LF Structural Tubing - Square .....	12,443.55	920.43
		For ASTM A242 Type 2 High Strength Steel, Add	916.94	
		For Hot Dip Galvanizing, Add	3,209.29	
		For >10 To 25 Tons, Deduct	-974.25	
		For >25 To 50 Tons, Deduct	-2,005.61	
		For >50 Tons, Deduct	-2,865.44	
05 12 23 00-0078	TON	3.5" x 3.5" Weight Range 8-13 LB/LF Structural Tubing - Square .....	12,379.42	1,104.52
		For ASTM A242 Type 2 High Strength Steel, Add	896.10	
		For Hot Dip Galvanizing, Add	3,136.35	
		For >10 To 25 Tons, Deduct	-952.11	
		For >25 To 50 Tons, Deduct	-1,960.22	
		For >50 Tons, Deduct	-2,800.32	
05 12 23 00-0079	TON	4" x 4" Weight Range 10-22 LB/LF Structural Tubing - Square .....	10,016.90	1,380.64
		For ASTM A242 Type 2 High Strength Steel, Add	683.54	
		For Hot Dip Galvanizing, Add	2,392.38	
		For >10 To 25 Tons, Deduct	-726.26	
		For >25 To 50 Tons, Deduct	-1,495.24	
		For >50 Tons, Deduct	-2,136.06	
05 12 23 00-0080	TON	5" x 5" Weight Range 12-30 LB/LF Structural Tubing - Square .....	10,227.29	1,577.81
		For ASTM A242 Type 2 High Strength Steel, Add	683.54	
		For Hot Dip Galvanizing, Add	2,392.38	
		For >10 To 25 Tons, Deduct	-726.26	
		For >25 To 50 Tons, Deduct	-1,495.24	
		For >50 Tons, Deduct	-2,136.06	
05 12 23 00-0081	TON	6" x 6" Weight Range 15-35 LB/LF Structural Tubing - Square .....	10,900.52	2,209.03
		For ASTM A242 Type 2 High Strength Steel, Add	683.54	
		For Hot Dip Galvanizing, Add	2,392.38	
		For >10 To 25 Tons, Deduct	-726.26	
		For >25 To 50 Tons, Deduct	-1,495.24	
		For >50 Tons, Deduct	-2,136.06	
05 12 23 00-0082	TON	7" x 7" Weight Range 17-42 LB/LF Structural Tubing - Square .....	11,645.90	2,761.29
		For ASTM A242 Type 2 High Strength Steel, Add	696.04	
		For Hot Dip Galvanizing, Add	2,436.15	
		For >10 To 25 Tons, Deduct	-739.54	
		For >25 To 50 Tons, Deduct	-1,522.59	
		For >50 Tons, Deduct	-2,175.13	
05 12 23 00-0083	TON	8" x 8" Weight Range 20-60 LB/LF Structural Tubing - Square .....	14,034.36	3,681.73
		For ASTM A242 Type 2 High Strength Steel, Add	808.58	
		For Hot Dip Galvanizing, Add	2,830.01	
		For >10 To 25 Tons, Deduct	-859.11	
		For >25 To 50 Tons, Deduct	-1,768.76	
		For >50 Tons, Deduct	-2,526.80	
05 12 23 00-0084	TON	10" x 10" Weight Range 33-77 LB/LF Structural Tubing - Square .....	15,997.95	5,522.58
		For ASTM A242 Type 2 High Strength Steel, Add	808.58	
		For Hot Dip Galvanizing, Add	2,830.01	
		For >10 To 25 Tons, Deduct	-859.11	
		For >25 To 50 Tons, Deduct	-1,768.76	
		For >50 Tons, Deduct	-2,526.80	
05 12 23 00-0085	TON	12" x 12" Weight Range 40-80 LB/LF Structural Tubing - Square .....	15,614.55	6,481.85
		For ASTM A242 Type 2 High Strength Steel, Add	696.04	
		For Hot Dip Galvanizing, Add	2,436.15	
		For >10 To 25 Tons, Deduct	-739.54	
		For >25 To 50 Tons, Deduct	-1,522.59	
		For >50 Tons, Deduct	-2,175.13	
05 12 23 00-0086	TON	14" x 14" Weight Range 57-90 LB/LF Structural Tubing - Square .....	18,933.69	8,470.35
		For ASTM A242 Type 2 High Strength Steel, Add	791.90	
		For Hot Dip Galvanizing, Add	2,771.66	
		For >10 To 25 Tons, Deduct	-841.40	
		For >25 To 50 Tons, Deduct	-1,732.29	
		For >50 Tons, Deduct	-2,474.70	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0087	TON 16" x 16" Weight Range 65-105 LB/LF Structural Tubing - Square .....	21,888.69	11,045.17
	For ASTM A242 Type 2 High Strength Steel, Add	808.58	
	For Hot Dip Galvanizing, Add	2,830.01	
	For >10 To 25 Tons, Deduct	-859.11	
	For >25 To 50 Tons, Deduct	-1,768.76	
	For >50 Tons, Deduct	-2,526.80	
<b>05 12 23 00-0088</b>	<b>Structural Shapes</b> (05 12 23 00-0045)		
05 12 23 00-0089	TON Structural Shapes, Steel Angle A36 Structural Steel, Purlins And Girts (Up To 20 LB/LF) .....	11,485.61	4,583.65
	For ASTM A242 Type 2 High Strength Steel, Add	336.80	
	For Hot Dip Galvanizing, Add	1,178.79	
	For >20 To 50 LB/LF, Deduct	-1,512.34	
	For >50 To 75 LB/LF, Deduct	-2,450.40	
	For >75 To 100 LB/LF, Deduct	-3,388.47	
	For >10 To 25 Tons, Deduct	-357.85	
	For >25 To 50 Tons, Deduct	-736.75	
	For >50 Tons, Deduct	-1,052.50	
05 12 23 00-0090	TON Structural Shapes, Steel Plate A36 Structural Steel .....	10,774.11	1,833.46
	Note: Up to 21.5 LB per SF		
	For ASTM A242 Type 2 High Strength Steel, Add	666.88	
	For Hot Dip Galvanizing, Add	2,334.08	
	For >21.5 To 50 LB/LF, Deduct	-1,199.32	
	For >10 To 25 Tons, Deduct	-708.56	
	For >25 To 50 Tons, Deduct	-1,458.80	
	For >50 Tons, Deduct	-2,084.00	
05 12 23 00-0091	LB Structural Shapes, Primed Pipe Supports (Up To 20 LB/LF) .....	6.22	0.41
05 12 23 00-0092	LB Structural Shapes, Galvanized Pipe Supports .....	7.52	0.41
<b>05 12 23 00-0093</b>	<b>Built-Up Trusses</b> (05 12 23 00-0045)		
05 12 23 00-0094	TON Up To 50 LF Span Average Weight 100 LB/LF Trusses, Built-up .....	11,191.21	552.26
	For >10 To 25 Tons, Deduct	-901.18	
	For >25 To 50 Tons, Deduct	-1,855.37	
	For >50 Tons, Deduct	-2,650.53	
05 12 23 00-0095	TON >50-100 LF Span Average Weight 120 LB/LF Trusses, Built-up .....	11,033.58	306.69
	For >10 To 25 Tons, Deduct	-910.04	
	For >25 To 50 Tons, Deduct	-1,873.61	
	For >50 Tons, Deduct	-2,676.58	
05 12 23 00-0096	TON >100-200 LF Span Average Weight 150 LB/LF Trusses, Built-up .....	9,811.56	162.37
	For >10 To 25 Tons, Deduct	-819.26	
	For >25 To 50 Tons, Deduct	-1,686.70	
	For >50 Tons, Deduct	-2,409.58	
05 12 23 00-0097	TON >200 LF Span Average Weight 180 LB/LF Trusses, Built-up .....	9,541.43	153.53
	For >10 To 25 Tons, Deduct	-797.11	
	For >25 To 50 Tons, Deduct	-1,641.12	
	For >50 Tons, Deduct	-2,344.45	
05 12 23 00-0098	Accessories For Steel (05 12 23)		
05 12 23 00-0099	Field Painting For Touch-Up Of Shop Prime Coat (05 12 23 00-0098)		
05 12 23 00-0100	SF Touch Up Paint - Type 1 Red Oxide Field Painting Prime Coat .....	1.80	
<b>05 12 23 00-0101</b>	<b>Connection And Stiffener Plates</b> (05 12 23 00-0098)		
	Note: For field fabrication of additional structural metal connections.		
05 12 23 00-0102	TON 1/8" Plate Weight 6.16 LB/SF Connection And Stiffener Plates .....	24,065.21	
	For >10 To 25 Tons, Deduct	-2,045.54	
	For >25 To 50 Tons, Deduct	-4,211.41	
	For >50 Tons, Deduct	-6,016.30	
05 12 23 00-0103	TON 3/16" Plate Weight 8.71 LB/SF Connection And Stiffener Plates .....	20,532.34	
	For >10 To 25 Tons, Deduct	-1,745.25	
	For >25 To 50 Tons, Deduct	-3,593.16	
	For >50 Tons, Deduct	-5,133.09	
05 12 23 00-0104	TON 1/4" Plate Weight 11.26 LB/SF Connection And Stiffener Plates .....	15,878.08	
	For >10 To 25 Tons, Deduct	-1,349.64	
	For >25 To 50 Tons, Deduct	-2,778.66	
	For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0105	TON 5/16" Plate Weight 13.81 LB/SF Connection And Stiffener Plates .....	15,878.08	
	For >10 To 25 Tons, Deduct	-1,349.64	
	For >25 To 50 Tons, Deduct	-2,778.66	
	For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0106	TON 3/8" Plate Weight 16.37 LB/SF Connection And Stiffener Plates .....	15,878.08	
	For >10 To 25 Tons, Deduct	-1,349.64	
	For >25 To 50 Tons, Deduct	-2,778.66	
	For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0107	TON 1/2" Plate Weight 21.47 LB/SF Connection And Stiffener Plates .....	15,878.08	
	For >10 To 25 Tons, Deduct	-1,349.64	
	For >25 To 50 Tons, Deduct	-2,778.66	
	For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0108	TON 9/16" Plate Weight 24.02 LB/SF Connection And Stiffener Plates .....	15,878.08	
	For >10 To 25 Tons, Deduct	-1,349.64	
	For >25 To 50 Tons, Deduct	-2,778.66	
	For >50 Tons, Deduct	-3,969.52	
05 12 23 00-0109	TON 5/8" Plate Weight 26.58 LB/SF Connection And Stiffener Plates .....	15,878.08	
	For >10 To 25 Tons, Deduct	-1,349.64	
	For >25 To 50 Tons, Deduct	-2,778.66	
	For >50 Tons, Deduct	-3,969.52	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
05 12 23 00-0110	TON 3/4" Plate Weight 31.68 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>		14,885.70 -1,265.28 -2,605.00 -3,721.43	
05 12 23 00-0111	TON 7/8" Plate Weight 36.78 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>		14,885.70 -1,265.28 -2,605.00 -3,721.43	
05 12 23 00-0112	TON 1" Plate Weight 41.89 LB/SF Connection And Stiffener Plates..... <i>For &gt;10 To 25 Tons, Deduct</i> <i>For &gt;25 To 50 Tons, Deduct</i> <i>For &gt;50 Tons, Deduct</i>		14,885.70 -1,265.28 -2,605.00 -3,721.43	
<b>05 12 23 00-0113</b>	<b>Field Applied Cold Galvanizing (05 12 23 00-0098)</b>			
05 12 23 00-0114	SF Brush Applied Cold Galvanizing .....		2.59	
<b>05 12 23 00-0115</b>	<b>Metal Grinding (05 12 23 00-0098)</b> Note: For use to prepare existing metal for welding by removing of rust or scale and smoothing surface after torch cutting.			
05 12 23 00-0116	SI Metal Grinding Up To 1/32" Thickness To Be Removed..... Note: Includes rust or scale removal on metal and smoothing surface.		1.19	
<b>05 12 23 00-0117</b>	<b>Structural Steel For Buildings And Structures (05 12 23)</b> Note: Prices by Ton (or LB) are based on ASTM A992/A36 steel with bolted standard beam connections and shop primed with red primer paint. Stock cross-sections only. Includes shop fabrication into sub-assemblies and delivery to site, all connecting bolts, connecting welds, and crane for erection (or demolition). Excludes moment connection welding.			
<b>05 12 23 00-0118</b>	<b>First Tier A992/A36 Structural Steel Columns, W Shapes (05 12 23 00-0117)</b> Note: With base plate. Includes material delivery and erection.			
05 12 23 00-0119	LF W14 x 730 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		1,718.33 439.23 154.65 343.67	127.14
05 12 23 00-0120	LF W14 x 665 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		1,568.18 400.12 141.14 313.64	118.50
05 12 23 00-0121	LF W14 x 605 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		1,429.36 364.02 128.64 285.87	110.31
05 12 23 00-0122	LF W14 x 550 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		1,301.90 330.92 117.17 260.38	102.60
05 12 23 00-0123	LF W14 x 500 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		1,186.26 300.84 106.76 237.25	95.72
05 12 23 00-0124	LF W14 x 426 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		1,012.72 256.32 91.14 202.54	83.58
05 12 23 00-0125	LF W14 x 342 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		820.45 206.29 73.84 164.09	72.34
05 12 23 00-0126	LF W14 x 311 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		739.77 185.28 66.58 147.95	67.56
05 12 23 00-0127	LF W14 x 283 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		672.21 167.71 60.50 134.44	63.69
05 12 23 00-0128	LF W14 x 257 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		592.29 146.50 53.31 118.46	60.38
05 12 23 00-0129	LF W14 x 233 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		545.25 134.70 49.07 109.05	56.14
05 12 23 00-0130	LF W14 x 211 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		485.76 119.32 43.72 97.15	52.28
05 12 23 00-0131	LF W14 x 193 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		440.14 107.43 39.61 88.03	49.70
05 12 23 00-0132	LF W14 x 176 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>		397.57 96.28 35.78 79.51	47.49



## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0133	LF		W14 x 159 A992/A36 Structural Column .....	360.39	45.84
			<i>For Hot Dip Galvanizing, Add</i>	86.47	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	32.44	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	72.08	
05 12 23 00-0134	LF		W14 x 145 A992/A36 Structural Column .....	348.32	44.37
			<i>For Hot Dip Galvanizing, Add</i>	83.53	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	31.35	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	69.66	
05 12 23 00-0135	LF		W14 x 132 A992/A36 Structural Column .....	299.30	42.34
			<i>For Hot Dip Galvanizing, Add</i>	70.54	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	26.94	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.86	
05 12 23 00-0136	LF		W14 x 120 A992/A36 Structural Column .....	281.14	41.24
			<i>For Hot Dip Galvanizing, Add</i>	65.81	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	25.30	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.23	
05 12 23 00-0137	LF		W14 x 109 A992/A36 Structural Column .....	252.58	39.58
			<i>For Hot Dip Galvanizing, Add</i>	58.39	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	22.73	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	50.52	
05 12 23 00-0138	LF		W14 x 99 A992/A36 Structural Column .....	231.19	38.48
			<i>For Hot Dip Galvanizing, Add</i>	52.82	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	20.81	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.24	
05 12 23 00-0139	LF		W14 x 90 A992/A36 Structural Column .....	215.39	37.55
			<i>For Hot Dip Galvanizing, Add</i>	48.68	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	19.39	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	43.08	
05 12 23 00-0140	LF		W14 x 82 A992/A36 Structural Column .....	199.04	36.45
			<i>For Hot Dip Galvanizing, Add</i>	44.45	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	17.91	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	39.81	
05 12 23 00-0141	LF		W14 x 74 A992/A36 Structural Column .....	180.53	35.53
			<i>For Hot Dip Galvanizing, Add</i>	39.62	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	16.25	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	36.11	
05 12 23 00-0142	LF		W14 x 68 A992/A36 Structural Column .....	169.21	34.98
			<i>For Hot Dip Galvanizing, Add</i>	36.64	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.23	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.84	
05 12 23 00-0143	LF		W14 x 61 A992/A36 Structural Column .....	155.02	34.05
			<i>For Hot Dip Galvanizing, Add</i>	32.95	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.95	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	31.00	
05 12 23 00-0144	LF		W14 x 53 A992/A36 Structural Column .....	141.91	33.13
			<i>For Hot Dip Galvanizing, Add</i>	29.57	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.77	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	28.38	
05 12 23 00-0145	LF		W14 x 48 A992/A36 Structural Column .....	133.46	32.58
			<i>For Hot Dip Galvanizing, Add</i>	27.38	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.01	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.69	
05 12 23 00-0146	LF		W14 x 43 A992/A36 Structural Column .....	121.23	32.03
			<i>For Hot Dip Galvanizing, Add</i>	24.19	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.91	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	24.25	
05 12 23 00-0147	LF		W12 x 336 A992/A36 Structural Column .....	783.02	56.61
			<i>For Hot Dip Galvanizing, Add</i>	200.54	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	70.47	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	156.60	
05 12 23 00-0148	LF		W12 x 305 A992/A36 Structural Column .....	715.15	55.49
			<i>For Hot Dip Galvanizing, Add</i>	182.03	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	64.36	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	143.03	
05 12 23 00-0149	LF		W12 x 279 A992/A36 Structural Column .....	658.49	54.82
			<i>For Hot Dip Galvanizing, Add</i>	166.52	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	59.26	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	131.70	
05 12 23 00-0150	LF		W12 x 252 A992/A36 Structural Column .....	598.97	53.46
			<i>For Hot Dip Galvanizing, Add</i>	150.40	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	53.91	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	119.79	
05 12 23 00-0151	LF		W12 x 230 A992/A36 Structural Column .....	550.84	52.68
			<i>For Hot Dip Galvanizing, Add</i>	137.27	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	49.58	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	110.17	
05 12 23 00-0152	LF		W12 x 210 A992/A36 Structural Column .....	507.03	51.94
			<i>For Hot Dip Galvanizing, Add</i>	125.34	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	45.63	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	101.41	
05 12 23 00-0153	LF		W12 x 190 A992/A36 Structural Column .....	462.96	50.81
			<i>For Hot Dip Galvanizing, Add</i>	113.40	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	41.67	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	92.59	
05 12 23 00-0154	LF		W12 x 170 A992/A36 Structural Column .....	419.38	49.33
			<i>For Hot Dip Galvanizing, Add</i>	101.82	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	37.74	
			<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	83.88	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0155	LF		W12 x 152 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	378.50 91.49 34.07 75.70	45.84
05 12 23 00-0156	LF		W12 x 136 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	360.17 86.77 32.42 72.03	44.55
05 12 23 00-0157	LF		W12 x 120 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	275.04 64.17 24.75 55.01	40.86
05 12 23 00-0158	LF		W12 x 106 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	254.02 58.79 22.86 50.80	39.58
05 12 23 00-0159	LF		W12 x 96 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	228.14 52.02 20.53 45.63	38.29
05 12 23 00-0160	LF		W12 x 87 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	211.07 47.59 19.00 42.21	37.00
05 12 23 00-0161	LF		W12 x 79 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	186.29 41.07 16.77 37.26	35.90
05 12 23 00-0162	LF		W12 x 72 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	171.19 37.14 15.41 34.24	34.98
05 12 23 00-0163	LF		W12 x 65 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	157.18 33.50 14.15 31.44	34.24
05 12 23 00-0164	LF		W12 x 58 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	152.32 32.26 13.71 30.46	33.87
05 12 23 00-0165	LF		W12 x 53 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	141.91 29.57 12.77 28.38	33.13
05 12 23 00-0166	LF		W12 x 50 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	137.77 28.47 12.40 27.55	32.95
05 12 23 00-0167	LF		W12 x 45 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	125.92 25.39 11.33 25.18	32.22
05 12 23 00-0168	LF		W12 x 40 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	113.70 22.20 10.23 22.74	31.48
05 12 23 00-0169	LF		W10 x 112 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	265.33 61.73 23.88 53.07	40.31
05 12 23 00-0170	LF		W10 x 110 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	240.72 55.36 21.66 48.14	38.66
05 12 23 00-0171	LF		W10 x 88 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	217.17 49.23 19.55 43.43	37.37
05 12 23 00-0172	LF		W10 x 77 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	194.00 43.21 17.46 38.80	35.90
05 12 23 00-0173	LF		W10 x 68 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	175.49 38.38 15.79 35.10	34.98
05 12 23 00-0174	LF		W10 x 60 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	155.02 32.95 13.95 31.00	34.05
05 12 23 00-0175	LF		W10 x 54 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	153.94 32.76 13.85 30.79	33.50
05 12 23 00-0176	LF		W10 x 49 A992/A36 Structural Column ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	136.15 28.07 12.25 27.23	32.95

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 12 23 00-0177	LF	W10 x 45 A992/A36 Structural Column	131.66	32.40
		<i>For Hot Dip Galvanizing, Add</i>	26.93	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	11.85	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	26.33	
05 12 23 00-0178	LF	W10 x 39 A992/A36 Structural Column	115.67	31.85
		<i>For Hot Dip Galvanizing, Add</i>	22.70	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.41	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.13	
05 12 23 00-0179	LF	W10 x 33 A992/A36 Structural Column	101.84	30.92
		<i>For Hot Dip Galvanizing, Add</i>	19.12	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.17	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	20.37	
05 12 23 00-0180	LF	W8 x 67 A992/A36 Structural Column	169.39	34.98
		<i>For Hot Dip Galvanizing, Add</i>	36.69	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	15.25	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.88	
05 12 23 00-0181	LF	W8 x 58 A992/A36 Structural Column	152.86	33.87
		<i>For Hot Dip Galvanizing, Add</i>	32.41	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	13.76	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	30.57	
05 12 23 00-0182	LF	W8 x 48 A992/A36 Structural Column	137.59	32.95
		<i>For Hot Dip Galvanizing, Add</i>	28.47	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	12.38	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	27.52	
05 12 23 00-0183	LF	W8 x 40 A992/A36 Structural Column	119.26	32.03
		<i>For Hot Dip Galvanizing, Add</i>	23.65	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	10.73	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	23.85	
05 12 23 00-0184	LF	W8 x 35 A992/A36 Structural Column	108.48	31.30
		<i>For Hot Dip Galvanizing, Add</i>	20.86	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.76	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.70	
05 12 23 00-0185	LF	W8 x 31 A992/A36 Structural Column	99.86	30.92
		<i>For Hot Dip Galvanizing, Add</i>	18.57	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.99	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	19.97	
05 12 23 00-0186	LF	W8 x 28 A992/A36 Structural Column	94.47	30.55
		<i>For Hot Dip Galvanizing, Add</i>	17.17	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.50	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.89	
05 12 23 00-0187	LF	W8 x 24 A992/A36 Structural Column	88.01	30.19
		<i>For Hot Dip Galvanizing, Add</i>	15.48	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.92	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	17.60	
05 12 23 00-0188	LF	W8 x 21 A992/A36 Structural Column	83.69	30.00
		<i>For Hot Dip Galvanizing, Add</i>	14.39	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.53	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	16.74	
05 12 23 00-0189	LF	W8 x 18 A992/A36 Structural Column	75.61	29.45
		<i>For Hot Dip Galvanizing, Add</i>	12.25	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.80	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.12	
05 12 23 00-0190	LF	W6 x 25 A992/A36 Structural Column	91.96	30.19
		<i>For Hot Dip Galvanizing, Add</i>	16.58	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	8.28	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	18.39	
05 12 23 00-0191	LF	W6 x 20 A992/A36 Structural Column	79.03	29.64
		<i>For Hot Dip Galvanizing, Add</i>	13.14	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.11	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.81	
05 12 23 00-0192	LF	W6 x 15 A992/A36 Structural Column	68.77	28.72
		<i>For Hot Dip Galvanizing, Add</i>	10.55	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.19	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.75	
05 12 23 00-0193	LF	W6 x 12 A992/A36 Structural Column	65.00	28.72
		<i>For Hot Dip Galvanizing, Add</i>	9.51	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.85	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.00	
05 12 23 00-0194	LF	W6 x 9 A992/A36 Structural Column	60.16	28.54
		<i>For Hot Dip Galvanizing, Add</i>	8.21	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	5.41	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	12.03	
05 12 23 00-0195	LF	W5 x 19 A992/A36 Structural Column	77.95	29.64
		<i>For Hot Dip Galvanizing, Add</i>	12.84	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	7.02	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	15.59	
05 12 23 00-0196	LF	W5 x 16 A992/A36 Structural Column	72.38	29.45
		<i>For Hot Dip Galvanizing, Add</i>	11.40	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.51	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	14.48	
05 12 23 00-0197	LF	W4 x 13 A992/A36 Structural Column	68.23	29.09
		<i>For Hot Dip Galvanizing, Add</i>	10.35	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	6.14	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	13.65	

05 12 23 00-0198 A992/A36 Structural Steel Beams And Girders, W Shapes (05 12 23 00-0117)

Note: Includes material delivery and erection.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0199	LF		W36 x 300 A992/A36 Structural Beam Or Girder	657.84	139.24
			<i>For Hot Dip Galvanizing, Add</i>	141.34	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	59.21	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	131.57	
			<i>For Each Additional Top Copes &gt;2, Add</i>	5.09	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-207.97	
			<i>For Skewed Or Sloped Connections, Add</i>	78.94	
05 12 23 00-0200	LF		W36 x 280 A992/A36 Structural Beam Or Girder	622.65	138.06
			<i>For Hot Dip Galvanizing, Add</i>	131.92	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	56.04	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	124.53	
			<i>For Each Additional Top Copes &gt;2, Add</i>	4.75	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-195.84	
			<i>For Skewed Or Sloped Connections, Add</i>	74.72	
05 12 23 00-0201	LF		W36 x 260 A992/A36 Structural Beam Or Girder	591.25	136.41
			<i>For Hot Dip Galvanizing, Add</i>	123.72	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	53.21	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	118.25	
			<i>For Each Additional Top Copes &gt;2, Add</i>	4.46	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-185.12	
			<i>For Skewed Or Sloped Connections, Add</i>	70.95	
05 12 23 00-0202	LF		W36 x 240 A992/A36 Structural Beam Or Girder	566.53	134.19
			<i>For Hot Dip Galvanizing, Add</i>	117.49	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	50.99	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	113.31	
			<i>For Each Additional Top Copes &gt;2, Add</i>	4.23	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-176.81	
			<i>For Skewed Or Sloped Connections, Add</i>	67.98	
05 12 23 00-0203	LF		W36 x 230 A992/A36 Structural Beam Or Girder	550.90	136.10
			<i>For Hot Dip Galvanizing, Add</i>	112.60	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	49.58	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	110.18	
			<i>For Each Additional Top Copes &gt;2, Add</i>	4.06	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-171.04	
			<i>For Skewed Or Sloped Connections, Add</i>	66.11	
05 12 23 00-0204	LF		W36 x 210 A992/A36 Structural Beam Or Girder	511.28	131.99
			<i>For Hot Dip Galvanizing, Add</i>	102.80	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	46.02	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	102.26	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.70	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-157.83	
			<i>For Skewed Or Sloped Connections, Add</i>	61.35	
05 12 23 00-0205	LF		W36 x 194 A992/A36 Structural Beam Or Girder	496.64	130.16
			<i>For Hot Dip Galvanizing, Add</i>	99.29	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	44.70	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	99.33	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.58	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-153.00	
			<i>For Skewed Or Sloped Connections, Add</i>	59.60	
05 12 23 00-0206	LF		W36 x 182 A992/A36 Structural Beam Or Girder	473.50	129.20
			<i>For Hot Dip Galvanizing, Add</i>	93.15	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	42.62	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	94.70	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.36	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-145.05	
			<i>For Skewed Or Sloped Connections, Add</i>	56.82	
05 12 23 00-0207	LF		W36 x 170 A992/A36 Structural Beam Or Girder	449.77	127.72
			<i>For Hot Dip Galvanizing, Add</i>	87.01	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	40.48	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	89.95	
			<i>For Each Additional Top Copes &gt;2, Add</i>	3.14	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-136.99	
			<i>For Skewed Or Sloped Connections, Add</i>	53.97	
05 12 23 00-0208	LF		W36 x 160 A992/A36 Structural Beam Or Girder	431.33	127.76
			<i>For Hot Dip Galvanizing, Add</i>	81.89	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	38.82	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	86.27	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.95	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-130.53	
			<i>For Skewed Or Sloped Connections, Add</i>	51.76	
05 12 23 00-0209	LF		W36 x 150 A992/A36 Structural Beam Or Girder	414.93	126.84
			<i>For Hot Dip Galvanizing, Add</i>	77.60	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	37.34	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	82.99	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.80	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-124.93	
			<i>For Skewed Or Sloped Connections, Add</i>	49.79	
05 12 23 00-0210	LF		W36 x 135 A992/A36 Structural Beam Or Girder	392.04	125.73
			<i>For Hot Dip Galvanizing, Add</i>	71.60	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	35.28	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	78.41	
			<i>For Each Additional Top Copes &gt;2, Add</i>	2.58	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-117.11	
			<i>For Skewed Or Sloped Connections, Add</i>	47.04	
05 12 23 00-0211	LF		W33 x 241 A992/A36 Structural Beam Or Girder	574.70	138.41
			<i>For Hot Dip Galvanizing, Add</i>	118.51	
			<i>For High Strength Low Alloy A572-50 Steel, Add</i>	51.72	
			<i>For High Strength Low Alloy A588 Steel, Add</i>	114.94	
			<i>For Each Additional Top Copes &gt;2, Add</i>	4.27	
			<i>For Structural Tees, WT, MT Or ST, Deduct</i>	-179.00	
			<i>For Skewed Or Sloped Connections, Add</i>	68.96	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0212	LF	W33 x 221 A992/A36	Structural Beam Or Girder	535.65	135.02
		For Hot Dip Galvanizing, Add		108.68	
		For High Strength Low Alloy A572-50 Steel, Add		48.21	
		For High Strength Low Alloy A588 Steel, Add		107.13	
		For Each Additional Top Copes >2, Add		3.92	
		For Structural Tees, WT, MT Or ST, Deduct		-165.87	
		For Skewed Or Sloped Connections, Add		64.28	
05 12 23 00-0213	LF	W33 x 201 A992/A36	Structural Beam Or Girder	496.09	131.07
		For Hot Dip Galvanizing, Add		98.84	
		For High Strength Low Alloy A572-50 Steel, Add		44.65	
		For High Strength Low Alloy A588 Steel, Add		99.22	
		For Each Additional Top Copes >2, Add		3.56	
		For Structural Tees, WT, MT Or ST, Deduct		-152.65	
		For Skewed Or Sloped Connections, Add		59.53	
05 12 23 00-0214	LF	W33 x 170 A992/A36	Structural Beam Or Girder	448.91	128.67
		For Hot Dip Galvanizing, Add		86.51	
		For High Strength Low Alloy A572-50 Steel, Add		40.40	
		For High Strength Low Alloy A588 Steel, Add		89.78	
		For Each Additional Top Copes >2, Add		3.12	
		For Structural Tees, WT, MT Or ST, Deduct		-136.55	
		For Skewed Or Sloped Connections, Add		53.87	
05 12 23 00-0215	LF	W33 x 152 A992/A36	Structural Beam Or Girder	423.99	127.32
		For Hot Dip Galvanizing, Add		79.97	
		For High Strength Low Alloy A572-50 Steel, Add		38.16	
		For High Strength Low Alloy A588 Steel, Add		84.80	
		For Each Additional Top Copes >2, Add		2.88	
		For Structural Tees, WT, MT Or ST, Deduct		-128.03	
		For Skewed Or Sloped Connections, Add		50.88	
05 12 23 00-0216	LF	W33 x 141 A992/A36	Structural Beam Or Girder	401.91	126.09
		For Hot Dip Galvanizing, Add		74.19	
		For High Strength Low Alloy A572-50 Steel, Add		36.17	
		For High Strength Low Alloy A588 Steel, Add		80.38	
		For Each Additional Top Copes >2, Add		2.67	
		For Structural Tees, WT, MT Or ST, Deduct		-120.48	
		For Skewed Or Sloped Connections, Add		48.23	
05 12 23 00-0217	LF	W33 x 130 A992/A36	Structural Beam Or Girder	383.35	125.18
		For Hot Dip Galvanizing, Add		69.34	
		For High Strength Low Alloy A572-50 Steel, Add		34.50	
		For High Strength Low Alloy A588 Steel, Add		76.67	
		For Each Additional Top Copes >2, Add		2.50	
		For Structural Tees, WT, MT Or ST, Deduct		-114.15	
		For Skewed Or Sloped Connections, Add		46.00	
05 12 23 00-0218	LF	W33 x 118 A992/A36	Structural Beam Or Girder	361.81	124.08
		For Hot Dip Galvanizing, Add		63.68	
		For High Strength Low Alloy A572-50 Steel, Add		32.56	
		For High Strength Low Alloy A588 Steel, Add		72.36	
		For Each Additional Top Copes >2, Add		2.29	
		For Structural Tees, WT, MT Or ST, Deduct		-106.78	
		For Skewed Or Sloped Connections, Add		43.42	
05 12 23 00-0219	LF	W30 x 211 A992/A36	Structural Beam Or Girder	515.76	134.76
		For Hot Dip Galvanizing, Add		103.23	
		For High Strength Low Alloy A572-50 Steel, Add		46.42	
		For High Strength Low Alloy A588 Steel, Add		103.15	
		For Each Additional Top Copes >2, Add		3.72	
		For Structural Tees, WT, MT Or ST, Deduct		-158.95	
		For Skewed Or Sloped Connections, Add		61.89	
05 12 23 00-0220	LF	W30 x 191 A992/A36	Structural Beam Or Girder	475.73	130.15
		For Hot Dip Galvanizing, Add		93.45	
		For High Strength Low Alloy A572-50 Steel, Add		42.82	
		For High Strength Low Alloy A588 Steel, Add		95.15	
		For Each Additional Top Copes >2, Add		3.37	
		For Structural Tees, WT, MT Or ST, Deduct		-145.66	
		For Skewed Or Sloped Connections, Add		57.09	
05 12 23 00-0221	LF	W30 x 173 A992/A36	Structural Beam Or Girder	451.54	128.62
		For Hot Dip Galvanizing, Add		87.23	
		For High Strength Low Alloy A572-50 Steel, Add		40.64	
		For High Strength Low Alloy A588 Steel, Add		90.31	
		For Each Additional Top Copes >2, Add		3.14	
		For Structural Tees, WT, MT Or ST, Deduct		-137.46	
		For Skewed Or Sloped Connections, Add		54.18	
05 12 23 00-0222	LF	W30 x 154 A992/A36	Structural Beam Or Girder	415.31	127.02
		For Hot Dip Galvanizing, Add		77.65	
		For High Strength Low Alloy A572-50 Steel, Add		37.38	
		For High Strength Low Alloy A588 Steel, Add		83.06	
		For Each Additional Top Copes >2, Add		2.80	
		For Structural Tees, WT, MT Or ST, Deduct		-125.04	
		For Skewed Or Sloped Connections, Add		49.84	
05 12 23 00-0223	LF	W30 x 132 A992/A36	Structural Beam Or Girder	386.02	124.09
		For Hot Dip Galvanizing, Add		70.39	
		For High Strength Low Alloy A572-50 Steel, Add		34.74	
		For High Strength Low Alloy A588 Steel, Add		77.20	
		For Each Additional Top Copes >2, Add		2.54	
		For Structural Tees, WT, MT Or ST, Deduct		-115.25	
		For Skewed Or Sloped Connections, Add		46.32	
05 12 23 00-0224	LF	W30 x 124 A992/A36	Structural Beam Or Girder	370.57	124.02
		For Hot Dip Galvanizing, Add		66.13	
		For High Strength Low Alloy A572-50 Steel, Add		33.35	
		For High Strength Low Alloy A588 Steel, Add		74.11	
		For Each Additional Top Copes >2, Add		2.38	
		For Structural Tees, WT, MT Or ST, Deduct		-109.86	
		For Skewed Or Sloped Connections, Add		44.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0225	LF		W30 x 116 A992/A36 Structural Beam Or Girder	355.08	123.89
			For Hot Dip Galvanizing, Add	61.86	
			For High Strength Low Alloy A572-50 Steel, Add	31.96	
			For High Strength Low Alloy A588 Steel, Add	71.02	
			For Each Additional Top Copes >2, Add	2.23	
			For Structural Tees, WT, MT Or ST, Deduct	-104.45	
			For Skewed Or Sloped Connections, Add	42.61	
05 12 23 00-0226	LF		W30 x 108 A992/A36 Structural Beam Or Girder	327.55	111.56
			For Hot Dip Galvanizing, Add	57.89	
			For High Strength Low Alloy A572-50 Steel, Add	29.48	
			For High Strength Low Alloy A588 Steel, Add	65.51	
			For Each Additional Top Copes >2, Add	2.09	
			For Structural Tees, WT, MT Or ST, Deduct	-96.80	
			For Skewed Or Sloped Connections, Add	39.31	
05 12 23 00-0227	LF		W30 x 99 A992/A36 Structural Beam Or Girder	314.32	111.01
			For Hot Dip Galvanizing, Add	54.43	
			For High Strength Low Alloy A572-50 Steel, Add	28.29	
			For High Strength Low Alloy A588 Steel, Add	62.86	
			For Each Additional Top Copes >2, Add	1.96	
			For Structural Tees, WT, MT Or ST, Deduct	-92.29	
			For Skewed Or Sloped Connections, Add	37.72	
05 12 23 00-0228	LF		W27 x 178 A992/A36 Structural Beam Or Girder	504.99	150.58
			For Hot Dip Galvanizing, Add	95.56	
			For High Strength Low Alloy A572-50 Steel, Add	45.45	
			For High Strength Low Alloy A588 Steel, Add	101.00	
			For Each Additional Top Copes >2, Add	3.44	
			For Structural Tees, WT, MT Or ST, Deduct	-152.65	
			For Skewed Or Sloped Connections, Add	60.60	
05 12 23 00-0229	LF		W27 x 161 A992/A36 Structural Beam Or Girder	466.03	144.90
			For Hot Dip Galvanizing, Add	86.43	
			For High Strength Low Alloy A572-50 Steel, Add	41.94	
			For High Strength Low Alloy A588 Steel, Add	93.21	
			For Each Additional Top Copes >2, Add	3.11	
			For Structural Tees, WT, MT Or ST, Deduct	-139.93	
			For Skewed Or Sloped Connections, Add	55.92	
05 12 23 00-0230	LF		W27 x 146 A992/A36 Structural Beam Or Girder	431.55	139.78
			For Hot Dip Galvanizing, Add	78.38	
			For High Strength Low Alloy A572-50 Steel, Add	38.84	
			For High Strength Low Alloy A588 Steel, Add	86.31	
			For Each Additional Top Copes >2, Add	2.82	
			For Structural Tees, WT, MT Or ST, Deduct	-128.68	
			For Skewed Or Sloped Connections, Add	51.79	
05 12 23 00-0231	LF		W27 x 114 A992/A36 Structural Beam Or Girder	344.39	116.11
			For Hot Dip Galvanizing, Add	61.20	
			For High Strength Low Alloy A572-50 Steel, Add	31.00	
			For High Strength Low Alloy A588 Steel, Add	68.88	
			For Each Additional Top Copes >2, Add	2.21	
			For Structural Tees, WT, MT Or ST, Deduct	-101.96	
			For Skewed Or Sloped Connections, Add	41.33	
05 12 23 00-0232	LF		W27 x 102 A992/A36 Structural Beam Or Girder	315.69	111.01
			For Hot Dip Galvanizing, Add	54.76	
			For High Strength Low Alloy A572-50 Steel, Add	28.41	
			For High Strength Low Alloy A588 Steel, Add	63.14	
			For Each Additional Top Copes >2, Add	1.97	
			For Structural Tees, WT, MT Or ST, Deduct	-92.74	
			For Skewed Or Sloped Connections, Add	37.88	
05 12 23 00-0233	LF		W27 x 94 A992/A36 Structural Beam Or Girder	303.26	110.27
			For Hot Dip Galvanizing, Add	51.51	
			For High Strength Low Alloy A572-50 Steel, Add	27.29	
			For High Strength Low Alloy A588 Steel, Add	60.65	
			For Each Additional Top Copes >2, Add	1.86	
			For Structural Tees, WT, MT Or ST, Deduct	-88.50	
			For Skewed Or Sloped Connections, Add	36.39	
05 12 23 00-0234	LF		W27 x 84 A992/A36 Structural Beam Or Girder	288.07	109.53
			For Hot Dip Galvanizing, Add	47.55	
			For High Strength Low Alloy A572-50 Steel, Add	25.93	
			For High Strength Low Alloy A588 Steel, Add	57.61	
			For Each Additional Top Copes >2, Add	1.71	
			For Structural Tees, WT, MT Or ST, Deduct	-83.32	
			For Skewed Or Sloped Connections, Add	34.57	
05 12 23 00-0235	LF		W24 x 162 A992/A36 Structural Beam Or Girder	448.61	138.92
			For Hot Dip Galvanizing, Add	83.37	
			For High Strength Low Alloy A572-50 Steel, Add	40.37	
			For High Strength Low Alloy A588 Steel, Add	89.72	
			For Each Additional Top Copes >2, Add	3.00	
			For Structural Tees, WT, MT Or ST, Deduct	-134.79	
			For Skewed Or Sloped Connections, Add	53.83	
05 12 23 00-0236	LF		W24 x 146 A992/A36 Structural Beam Or Girder	412.83	133.19
			For Hot Dip Galvanizing, Add	75.14	
			For High Strength Low Alloy A572-50 Steel, Add	37.15	
			For High Strength Low Alloy A588 Steel, Add	82.57	
			For Each Additional Top Copes >2, Add	2.71	
			For Structural Tees, WT, MT Or ST, Deduct	-123.18	
			For Skewed Or Sloped Connections, Add	49.54	
05 12 23 00-0237	LF		W24 x 131 A992/A36 Structural Beam Or Girder	378.54	127.14
			For Hot Dip Galvanizing, Add	67.42	
			For High Strength Low Alloy A572-50 Steel, Add	34.07	
			For High Strength Low Alloy A588 Steel, Add	75.71	
			For Each Additional Top Copes >2, Add	2.43	
			For Structural Tees, WT, MT Or ST, Deduct	-112.15	
			For Skewed Or Sloped Connections, Add	45.42	



## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0238	LF	W24 x 117 A992/A36 Structural Beam Or Girder	345.82	120.78
		For Hot Dip Galvanizing, Add	60.21	
		For High Strength Low Alloy A572-50 Steel, Add	31.12	
		For High Strength Low Alloy A588 Steel, Add	69.16	
		For Each Additional Top Copes >2, Add	2.17	
		For Structural Tees, WT, MT Or ST, Deduct	-101.71	
		For Skewed Or Sloped Connections, Add	41.50	
05 12 23 00-0239	LF	W24 x 104 A992/A36 Structural Beam Or Girder	314.70	114.22
		For Hot Dip Galvanizing, Add	53.52	
		For High Strength Low Alloy A572-50 Steel, Add	28.32	
		For High Strength Low Alloy A588 Steel, Add	62.94	
		For Each Additional Top Copes >2, Add	1.93	
		For Structural Tees, WT, MT Or ST, Deduct	-91.87	
		For Skewed Or Sloped Connections, Add	37.76	
05 12 23 00-0240	LF	W24 x 94 A992/A36 Structural Beam Or Girder	291.95	110.27
		For Hot Dip Galvanizing, Add	48.37	
		For High Strength Low Alloy A572-50 Steel, Add	26.28	
		For High Strength Low Alloy A588 Steel, Add	58.39	
		For Each Additional Top Copes >2, Add	1.74	
		For Structural Tees, WT, MT Or ST, Deduct	-84.54	
		For Skewed Or Sloped Connections, Add	35.03	
05 12 23 00-0241	LF	W24 x 84 A992/A36 Structural Beam Or Girder	265.42	97.75
		For Hot Dip Galvanizing, Add	44.69	
		For High Strength Low Alloy A572-50 Steel, Add	23.89	
		For High Strength Low Alloy A588 Steel, Add	53.08	
		For Each Additional Top Copes >2, Add	1.61	
		For Structural Tees, WT, MT Or ST, Deduct	-77.24	
		For Skewed Or Sloped Connections, Add	31.85	
05 12 23 00-0242	LF	W24 x 76 A992/A36 Structural Beam Or Girder	253.77	97.02
		For Hot Dip Galvanizing, Add	41.66	
		For High Strength Low Alloy A572-50 Steel, Add	22.84	
		For High Strength Low Alloy A588 Steel, Add	50.75	
		For Each Additional Top Copes >2, Add	1.50	
		For Structural Tees, WT, MT Or ST, Deduct	-73.27	
		For Skewed Or Sloped Connections, Add	30.45	
05 12 23 00-0243	LF	W24 x 68 A992/A36 Structural Beam Or Girder	239.15	96.46
		For Hot Dip Galvanizing, Add	37.81	
		For High Strength Low Alloy A572-50 Steel, Add	21.52	
		For High Strength Low Alloy A588 Steel, Add	47.83	
		For Each Additional Top Copes >2, Add	1.36	
		For Structural Tees, WT, MT Or ST, Deduct	-68.27	
		For Skewed Or Sloped Connections, Add	28.70	
05 12 23 00-0244	LF	W24 x 62 A992/A36 Structural Beam Or Girder	231.46	95.91
		For Hot Dip Galvanizing, Add	35.83	
		For High Strength Low Alloy A572-50 Steel, Add	20.83	
		For High Strength Low Alloy A588 Steel, Add	46.29	
		For Each Additional Top Copes >2, Add	1.29	
		For Structural Tees, WT, MT Or ST, Deduct	-65.66	
		For Skewed Or Sloped Connections, Add	27.78	
05 12 23 00-0245	LF	W24 x 55 A992/A36 Structural Beam Or Girder	220.99	95.54
		For Hot Dip Galvanizing, Add	33.08	
		For High Strength Low Alloy A572-50 Steel, Add	19.89	
		For High Strength Low Alloy A588 Steel, Add	44.20	
		For Each Additional Top Copes >2, Add	1.19	
		For Structural Tees, WT, MT Or ST, Deduct	-62.08	
		For Skewed Or Sloped Connections, Add	26.52	
05 12 23 00-0246	LF	W21 x 147 A992/A36 Structural Beam Or Girder	389.58	114.24
		For Hot Dip Galvanizing, Add	74.29	
		For High Strength Low Alloy A572-50 Steel, Add	35.06	
		For High Strength Low Alloy A588 Steel, Add	77.92	
		For Each Additional Top Copes >2, Add	2.68	
		For Structural Tees, WT, MT Or ST, Deduct	-118.07	
		For Skewed Or Sloped Connections, Add	46.75	
05 12 23 00-0247	LF	W21 x 132 A992/A36 Structural Beam Or Girder	356.82	109.15
		For Hot Dip Galvanizing, Add	66.71	
		For High Strength Low Alloy A572-50 Steel, Add	32.11	
		For High Strength Low Alloy A588 Steel, Add	71.36	
		For Each Additional Top Copes >2, Add	2.40	
		For Structural Tees, WT, MT Or ST, Deduct	-107.42	
		For Skewed Or Sloped Connections, Add	42.82	
05 12 23 00-0248	LF	W21 x 122 A992/A36 Structural Beam Or Girder	336.64	107.32
		For Hot Dip Galvanizing, Add	61.65	
		For High Strength Low Alloy A572-50 Steel, Add	30.30	
		For High Strength Low Alloy A588 Steel, Add	67.33	
		For Each Additional Top Copes >2, Add	2.22	
		For Structural Tees, WT, MT Or ST, Deduct	-100.66	
		For Skewed Or Sloped Connections, Add	40.40	
05 12 23 00-0249	LF	W21 x 111 A992/A36 Structural Beam Or Girder	312.95	103.86
		For Hot Dip Galvanizing, Add	56.10	
		For High Strength Low Alloy A572-50 Steel, Add	28.17	
		For High Strength Low Alloy A588 Steel, Add	62.59	
		For Each Additional Top Copes >2, Add	2.02	
		For Structural Tees, WT, MT Or ST, Deduct	-92.91	
		For Skewed Or Sloped Connections, Add	37.55	
05 12 23 00-0250	LF	W21 x 101 A992/A36 Structural Beam Or Girder	291.18	100.55
		For Hot Dip Galvanizing, Add	51.04	
		For High Strength Low Alloy A572-50 Steel, Add	26.21	
		For High Strength Low Alloy A588 Steel, Add	58.24	
		For Each Additional Top Copes >2, Add	1.84	
		For Structural Tees, WT, MT Or ST, Deduct	-85.83	
		For Skewed Or Sloped Connections, Add	34.94	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0251	LF			W21 x 93 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	274.85 47.00 24.74 54.97 1.69 -80.38 32.98	98.85
05 12 23 00-0252	LF			W21 x 83 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	261.05 43.48 23.49 52.21 1.57 -75.71 31.33	97.75
05 12 23 00-0253	LF			W21 x 73 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	244.27 39.07 21.98 48.85 1.41 -69.98 29.31	97.02
05 12 23 00-0254	LF			W21 x 68 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	235.78 36.87 21.22 47.16 1.33 -67.09 28.29	96.46
05 12 23 00-0255	LF			W21 x 62 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	228.09 34.89 20.53 45.62 1.26 -64.48 27.37	95.91
05 12 23 00-0256	LF			W21 x 57 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	221.18 33.08 19.91 44.24 1.19 -62.11 26.54	95.72
05 12 23 00-0257	LF			W21 x 50 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	195.62 29.66 17.61 39.12 1.07 -55.16 23.47	83.02
05 12 23 00-0258	LF			W21 x 44 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	187.54 27.57 16.88 37.51 0.99 -52.41 22.50	82.65
05 12 23 00-0259	LF			W18 x 119 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	328.43 59.48 29.56 65.69 2.14 -97.84 39.41	106.94
05 12 23 00-0260	LF			W18 x 106 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	299.03 52.98 26.91 59.81 1.91 -88.45 35.88	101.36
05 12 23 00-0261	LF			W18 x 97 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	280.38 48.48 25.23 56.08 1.75 -82.28 33.65	98.85
05 12 23 00-0262	LF			W18 x 86 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	264.60 44.41 23.81 52.92 1.60 -76.93 31.75	97.93
05 12 23 00-0263	LF			W18 x 76 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	250.40 40.73 22.54 50.08 1.47 -72.09 30.05	97.02

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0264	LF	W18 x 71 A992/A36 Structural Beam Or Girder	240.12	96.83
		For Hot Dip Galvanizing, Add	37.97	
		For High Strength Low Alloy A572-50 Steel, Add	21.61	
		For High Strength Low Alloy A588 Steel, Add	48.02	
		For Each Additional Top Copes >2, Add	1.37	
		For Structural Tees, WT, MT Or ST, Deduct	-68.55	
		For Skewed Or Sloped Connections, Add	28.81	
05 12 23 00-0265	LF	W18 x 65 A992/A36 Structural Beam Or Girder	230.04	96.46
		For Hot Dip Galvanizing, Add	35.33	
		For High Strength Low Alloy A572-50 Steel, Add	20.70	
		For High Strength Low Alloy A588 Steel, Add	46.01	
		For Each Additional Top Copes >2, Add	1.27	
		For Structural Tees, WT, MT Or ST, Deduct	-65.11	
		For Skewed Or Sloped Connections, Add	27.60	
05 12 23 00-0266	LF	W18 x 60 A992/A36 Structural Beam Or Girder	220.95	95.72
		For Hot Dip Galvanizing, Add	32.96	
		For High Strength Low Alloy A572-50 Steel, Add	19.89	
		For High Strength Low Alloy A588 Steel, Add	44.19	
		For Each Additional Top Copes >2, Add	1.19	
		For Structural Tees, WT, MT Or ST, Deduct	-62.01	
		For Skewed Or Sloped Connections, Add	26.51	
05 12 23 00-0267	LF	W18 x 55 A992/A36 Structural Beam Or Girder	211.87	95.54
		For Hot Dip Galvanizing, Add	30.54	
		For High Strength Low Alloy A572-50 Steel, Add	19.07	
		For High Strength Low Alloy A588 Steel, Add	42.37	
		For Each Additional Top Copes >2, Add	1.10	
		For Structural Tees, WT, MT Or ST, Deduct	-58.88	
		For Skewed Or Sloped Connections, Add	25.42	
05 12 23 00-0268	LF	W18 x 50 A992/A36 Structural Beam Or Girder	190.07	83.02
		For Hot Dip Galvanizing, Add	28.12	
		For High Strength Low Alloy A572-50 Steel, Add	17.11	
		For High Strength Low Alloy A588 Steel, Add	38.01	
		For Each Additional Top Copes >2, Add	1.01	
		For Structural Tees, WT, MT Or ST, Deduct	-53.22	
		For Skewed Or Sloped Connections, Add	22.81	
05 12 23 00-0269	LF	W18 x 46 A992/A36 Structural Beam Or Girder	182.96	82.84
		For Hot Dip Galvanizing, Add	26.25	
		For High Strength Low Alloy A572-50 Steel, Add	16.47	
		For High Strength Low Alloy A588 Steel, Add	36.59	
		For Each Additional Top Copes >2, Add	0.95	
		For Structural Tees, WT, MT Or ST, Deduct	-50.78	
		For Skewed Or Sloped Connections, Add	21.96	
05 12 23 00-0270	LF	W18 x 40 A992/A36 Structural Beam Or Girder	159.57	70.69
		For Hot Dip Galvanizing, Add	23.33	
		For High Strength Low Alloy A572-50 Steel, Add	14.36	
		For High Strength Low Alloy A588 Steel, Add	31.91	
		For Each Additional Top Copes >2, Add	0.84	
		For Structural Tees, WT, MT Or ST, Deduct	-44.53	
		For Skewed Or Sloped Connections, Add	19.15	
05 12 23 00-0271	LF	W18 x 35 A992/A36 Structural Beam Or Girder	150.67	70.51
		For Hot Dip Galvanizing, Add	20.97	
		For High Strength Low Alloy A572-50 Steel, Add	13.56	
		For High Strength Low Alloy A588 Steel, Add	30.13	
		For Each Additional Top Copes >2, Add	0.76	
		For Structural Tees, WT, MT Or ST, Deduct	-41.47	
		For Skewed Or Sloped Connections, Add	18.08	
05 12 23 00-0272	LF	W16 x 100 A992/A36 Structural Beam Or Girder	256.29	64.25
		For Hot Dip Galvanizing, Add	52.12	
		For High Strength Low Alloy A572-50 Steel, Add	23.07	
		For High Strength Low Alloy A588 Steel, Add	51.26	
		For Each Additional Top Copes >2, Add	1.88	
		For Structural Tees, WT, MT Or ST, Deduct	-79.43	
		For Skewed Or Sloped Connections, Add	30.75	
05 12 23 00-0273	LF	W16 x 89 A992/A36 Structural Beam Or Girder	236.15	63.14
		For Hot Dip Galvanizing, Add	46.83	
		For High Strength Low Alloy A572-50 Steel, Add	21.25	
		For High Strength Low Alloy A588 Steel, Add	47.23	
		For Each Additional Top Copes >2, Add	1.69	
		For Structural Tees, WT, MT Or ST, Deduct	-72.55	
		For Skewed Or Sloped Connections, Add	28.34	
05 12 23 00-0274	LF	W16 x 77 A992/A36 Structural Beam Or Girder	214.60	62.40
		For Hot Dip Galvanizing, Add	41.11	
		For High Strength Low Alloy A572-50 Steel, Add	19.31	
		For High Strength Low Alloy A588 Steel, Add	42.92	
		For Each Additional Top Copes >2, Add	1.48	
		For Structural Tees, WT, MT Or ST, Deduct	-65.14	
		For Skewed Or Sloped Connections, Add	25.75	
05 12 23 00-0275	LF	W16 x 67 A992/A36 Structural Beam Or Girder	196.22	61.49
		For Hot Dip Galvanizing, Add	36.27	
		For High Strength Low Alloy A572-50 Steel, Add	17.66	
		For High Strength Low Alloy A588 Steel, Add	39.24	
		For Each Additional Top Copes >2, Add	1.31	
		For Structural Tees, WT, MT Or ST, Deduct	-58.85	
		For Skewed Or Sloped Connections, Add	23.55	
05 12 23 00-0276	LF	W16 x 57 A992/A36 Structural Beam Or Girder	178.06	60.56
		For Hot Dip Galvanizing, Add	31.48	
		For High Strength Low Alloy A572-50 Steel, Add	16.03	
		For High Strength Low Alloy A588 Steel, Add	35.61	
		For Each Additional Top Copes >2, Add	1.13	
		For Structural Tees, WT, MT Or ST, Deduct	-52.63	
		For Skewed Or Sloped Connections, Add	21.37	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0277	LF			W16 x 50 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	165.41 28.12 14.89 33.08 1.01 -48.28 19.85	60.01
05 12 23 00-0278	LF			W16 x 45 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	156.50 25.75 14.09 31.30 0.93 -45.22 18.78	59.64
05 12 23 00-0279	LF			W16 x 40 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	147.23 23.33 13.25 29.45 0.84 -42.06 17.67	59.09
05 12 23 00-0280	LF			W16 x 36 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	139.94 21.46 12.59 27.99 0.77 -39.59 16.79	58.72
05 12 23 00-0281	LF			W16 x 31 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	118.50 19.04 10.67 23.70 0.69 -33.99 14.22	46.76
05 12 23 00-0282	LF			W16 x 26 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	106.86 15.96 9.62 21.37 0.58 -30.00 12.82	46.20
05 12 23 00-0283	LF			W14 x 99 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	242.16 51.62 21.79 48.43 1.86 -76.34 29.06	52.65
05 12 23 00-0284	LF			W14 x 90 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	225.78 47.33 20.32 45.16 1.71 -70.74 27.09	51.73
05 12 23 00-0285	LF			W14 x 82 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	211.16 43.48 19.00 42.23 1.57 -65.73 25.34	51.18
05 12 23 00-0286	LF			W14 x 74 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	196.57 39.62 17.69 39.31 1.43 -60.73 23.59	50.44
05 12 23 00-0287	LF			W14 x 68 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	185.68 36.76 16.71 37.14 1.32 -57.01 22.28	49.89
05 12 23 00-0288	LF			W14 x 61 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	173.03 33.41 15.57 34.61 1.20 -52.66 20.76	49.33
05 12 23 00-0289	LF			W14 x 53 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	158.61 29.61 14.27 31.72 1.07 -47.73 19.03	48.60

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0290	LF	W14 x 48 A992/A36 Structural Beam Or Girder	149.33	48.05
		For Hot Dip Galvanizing, Add	27.19	
		For High Strength Low Alloy A572-50 Steel, Add	13.44	
		For High Strength Low Alloy A588 Steel, Add	29.87	
		For Each Additional Top Copes >2, Add	0.98	
		For Structural Tees, WT, MT Or ST, Deduct	-44.56	
		For Skewed Or Sloped Connections, Add	17.92	
05 12 23 00-0291	LF	W14 x 43 A992/A36 Structural Beam Or Girder	140.24	47.87
		For Hot Dip Galvanizing, Add	24.76	
		For High Strength Low Alloy A572-50 Steel, Add	12.62	
		For High Strength Low Alloy A588 Steel, Add	28.05	
		For Each Additional Top Copes >2, Add	0.89	
		For Structural Tees, WT, MT Or ST, Deduct	-41.43	
		For Skewed Or Sloped Connections, Add	16.83	
05 12 23 00-0292	LF	W14 x 38 A992/A36 Structural Beam Or Girder	131.16	47.49
		For Hot Dip Galvanizing, Add	22.40	
		For High Strength Low Alloy A572-50 Steel, Add	11.80	
		For High Strength Low Alloy A588 Steel, Add	26.23	
		For Each Additional Top Copes >2, Add	0.81	
		For Structural Tees, WT, MT Or ST, Deduct	-38.34	
		For Skewed Or Sloped Connections, Add	15.74	
05 12 23 00-0293	LF	W14 x 34 A992/A36 Structural Beam Or Girder	123.85	46.94
		For Hot Dip Galvanizing, Add	20.47	
		For High Strength Low Alloy A572-50 Steel, Add	11.15	
		For High Strength Low Alloy A588 Steel, Add	24.77	
		For Each Additional Top Copes >2, Add	0.74	
		For Structural Tees, WT, MT Or ST, Deduct	-35.84	
		For Skewed Or Sloped Connections, Add	14.86	
05 12 23 00-0294	LF	W14 x 30 A992/A36 Structural Beam Or Girder	116.53	46.76
		For Hot Dip Galvanizing, Add	18.55	
		For High Strength Low Alloy A572-50 Steel, Add	10.49	
		For High Strength Low Alloy A588 Steel, Add	23.31	
		For Each Additional Top Copes >2, Add	0.67	
		For Structural Tees, WT, MT Or ST, Deduct	-33.33	
		For Skewed Or Sloped Connections, Add	13.98	
05 12 23 00-0295	LF	W14 x 26 A992/A36 Structural Beam Or Girder	109.22	46.20
		For Hot Dip Galvanizing, Add	16.62	
		For High Strength Low Alloy A572-50 Steel, Add	9.83	
		For High Strength Low Alloy A588 Steel, Add	21.84	
		For Each Additional Top Copes >2, Add	0.60	
		For Structural Tees, WT, MT Or ST, Deduct	-30.83	
		For Skewed Or Sloped Connections, Add	13.11	
05 12 23 00-0296	LF	W14 x 22 A992/A36 Structural Beam Or Girder	102.12	46.02
		For Hot Dip Galvanizing, Add	14.75	
		For High Strength Low Alloy A572-50 Steel, Add	9.19	
		For High Strength Low Alloy A588 Steel, Add	20.42	
		For Each Additional Top Copes >2, Add	0.53	
		For Structural Tees, WT, MT Or ST, Deduct	-28.40	
		For Skewed Or Sloped Connections, Add	12.25	
05 12 23 00-0297	LF	W12 x 87 A992/A36 Structural Beam Or Girder	220.44	51.55
		For Hot Dip Galvanizing, Add	45.90	
		For High Strength Low Alloy A572-50 Steel, Add	19.84	
		For High Strength Low Alloy A588 Steel, Add	44.09	
		For Each Additional Top Copes >2, Add	1.65	
		For Structural Tees, WT, MT Or ST, Deduct	-68.90	
		For Skewed Or Sloped Connections, Add	26.45	
05 12 23 00-0298	LF	W12 x 79 A992/A36 Structural Beam Or Girder	205.83	50.81
		For Hot Dip Galvanizing, Add	42.05	
		For High Strength Low Alloy A572-50 Steel, Add	18.52	
		For High Strength Low Alloy A588 Steel, Add	41.17	
		For Each Additional Top Copes >2, Add	1.52	
		For Structural Tees, WT, MT Or ST, Deduct	-63.89	
		For Skewed Or Sloped Connections, Add	24.70	
05 12 23 00-0299	LF	W12 x 72 A992/A36 Structural Beam Or Girder	192.98	50.25
		For Hot Dip Galvanizing, Add	38.69	
		For High Strength Low Alloy A572-50 Steel, Add	17.37	
		For High Strength Low Alloy A588 Steel, Add	38.60	
		For Each Additional Top Copes >2, Add	1.39	
		For Structural Tees, WT, MT Or ST, Deduct	-59.51	
		For Skewed Or Sloped Connections, Add	23.16	
05 12 23 00-0300	LF	W12 x 65 A992/A36 Structural Beam Or Girder	180.33	49.70
		For Hot Dip Galvanizing, Add	35.33	
		For High Strength Low Alloy A572-50 Steel, Add	16.23	
		For High Strength Low Alloy A588 Steel, Add	36.07	
		For Each Additional Top Copes >2, Add	1.27	
		For Structural Tees, WT, MT Or ST, Deduct	-55.16	
		For Skewed Or Sloped Connections, Add	21.64	
05 12 23 00-0301	LF	W12 x 58 A992/A36 Structural Beam Or Girder	167.50	48.97
		For Hot Dip Galvanizing, Add	31.97	
		For High Strength Low Alloy A572-50 Steel, Add	15.08	
		For High Strength Low Alloy A588 Steel, Add	33.50	
		For Each Additional Top Copes >2, Add	1.15	
		For Structural Tees, WT, MT Or ST, Deduct	-50.78	
		For Skewed Or Sloped Connections, Add	20.10	
05 12 23 00-0302	LF	W12 x 53 A992/A36 Structural Beam Or Girder	158.61	48.60
		For Hot Dip Galvanizing, Add	29.61	
		For High Strength Low Alloy A572-50 Steel, Add	14.27	
		For High Strength Low Alloy A588 Steel, Add	31.72	
		For Each Additional Top Copes >2, Add	1.07	
		For Structural Tees, WT, MT Or ST, Deduct	-47.73	
		For Skewed Or Sloped Connections, Add	19.03	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0303	LF	W12 x 50 A992/A36 Structural Beam Or Girder .....	152.89	48.42
		For Hot Dip Galvanizing, Add	28.12	
		For High Strength Low Alloy A572-50 Steel, Add	13.76	
		For High Strength Low Alloy A588 Steel, Add	30.58	
		For Each Additional Top Copes >2, Add	1.01	
		For Structural Tees, WT, MT Or ST, Deduct	-45.78	
		For Skewed Or Sloped Connections, Add	18.35	
05 12 23 00-0304	LF	W12 x 45 A992/A36 Structural Beam Or Girder .....	143.99	48.05
		For Hot Dip Galvanizing, Add	25.75	
		For High Strength Low Alloy A572-50 Steel, Add	12.96	
		For High Strength Low Alloy A588 Steel, Add	28.80	
		For Each Additional Top Copes >2, Add	0.93	
		For Structural Tees, WT, MT Or ST, Deduct	-42.72	
		For Skewed Or Sloped Connections, Add	17.28	
05 12 23 00-0305	LF	W12 x 40 A992/A36 Structural Beam Or Girder .....	122.20	35.71
		For Hot Dip Galvanizing, Add	23.33	
		For High Strength Low Alloy A572-50 Steel, Add	11.00	
		For High Strength Low Alloy A588 Steel, Add	24.44	
		For Each Additional Top Copes >2, Add	0.84	
		For Structural Tees, WT, MT Or ST, Deduct	-37.05	
		For Skewed Or Sloped Connections, Add	14.66	
05 12 23 00-0306	LF	W12 x 35 A992/A36 Structural Beam Or Girder .....	113.30	35.53
		For Hot Dip Galvanizing, Add	20.97	
		For High Strength Low Alloy A572-50 Steel, Add	10.20	
		For High Strength Low Alloy A588 Steel, Add	22.66	
		For Each Additional Top Copes >2, Add	0.76	
		For Structural Tees, WT, MT Or ST, Deduct	-33.99	
		For Skewed Or Sloped Connections, Add	13.60	
05 12 23 00-0307	LF	W12 x 30 A992/A36 Structural Beam Or Girder .....	104.01	34.98
		For Hot Dip Galvanizing, Add	18.55	
		For High Strength Low Alloy A572-50 Steel, Add	9.36	
		For High Strength Low Alloy A588 Steel, Add	20.80	
		For Each Additional Top Copes >2, Add	0.67	
		For Structural Tees, WT, MT Or ST, Deduct	-30.83	
		For Skewed Or Sloped Connections, Add	12.48	
05 12 23 00-0308	LF	W12 x 26 A992/A36 Structural Beam Or Girder .....	96.70	34.61
		For Hot Dip Galvanizing, Add	16.62	
		For High Strength Low Alloy A572-50 Steel, Add	8.70	
		For High Strength Low Alloy A588 Steel, Add	19.34	
		For Each Additional Top Copes >2, Add	0.60	
		For Structural Tees, WT, MT Or ST, Deduct	-28.32	
		For Skewed Or Sloped Connections, Add	11.60	
05 12 23 00-0309	LF	W12 x 22 A992/A36 Structural Beam Or Girder .....	89.60	34.24
		For Hot Dip Galvanizing, Add	14.75	
		For High Strength Low Alloy A572-50 Steel, Add	8.06	
		For High Strength Low Alloy A588 Steel, Add	17.92	
		For Each Additional Top Copes >2, Add	0.53	
		For Structural Tees, WT, MT Or ST, Deduct	-25.89	
		For Skewed Or Sloped Connections, Add	10.75	
05 12 23 00-0310	LF	W12 x 19 A992/A36 Structural Beam Or Girder .....	84.06	34.05
		For Hot Dip Galvanizing, Add	13.26	
		For High Strength Low Alloy A572-50 Steel, Add	7.57	
		For High Strength Low Alloy A588 Steel, Add	16.81	
		For Each Additional Top Copes >2, Add	0.48	
		For Structural Tees, WT, MT Or ST, Deduct	-23.98	
		For Skewed Or Sloped Connections, Add	10.09	
05 12 23 00-0311	LF	W12 x 16 A992/A36 Structural Beam Or Girder .....	78.54	33.50
		For Hot Dip Galvanizing, Add	11.83	
		For High Strength Low Alloy A572-50 Steel, Add	7.07	
		For High Strength Low Alloy A588 Steel, Add	15.71	
		For Each Additional Top Copes >2, Add	0.43	
		For Structural Tees, WT, MT Or ST, Deduct	-22.10	
		For Skewed Or Sloped Connections, Add	9.42	
05 12 23 00-0312	LF	W12 x 14 A992/A36 Structural Beam Or Girder .....	74.98	33.50
		For Hot Dip Galvanizing, Add	10.90	
		For High Strength Low Alloy A572-50 Steel, Add	6.75	
		For High Strength Low Alloy A588 Steel, Add	15.00	
		For Each Additional Top Copes >2, Add	0.39	
		For Structural Tees, WT, MT Or ST, Deduct	-20.89	
		For Skewed Or Sloped Connections, Add	9.00	
05 12 23 00-0313	LF	W10 x 68 A992/A36 Structural Beam Or Girder .....	173.74	38.48
		For Hot Dip Galvanizing, Add	36.87	
		For High Strength Low Alloy A572-50 Steel, Add	15.64	
		For High Strength Low Alloy A588 Steel, Add	34.75	
		For Each Additional Top Copes >2, Add	1.33	
		For Structural Tees, WT, MT Or ST, Deduct	-54.68	
		For Skewed Or Sloped Connections, Add	20.85	
05 12 23 00-0314	LF	W10 x 60 A992/A36 Structural Beam Or Girder .....	159.32	37.74
		For Hot Dip Galvanizing, Add	33.08	
		For High Strength Low Alloy A572-50 Steel, Add	14.34	
		For High Strength Low Alloy A588 Steel, Add	31.86	
		For Each Additional Top Copes >2, Add	1.19	
		For Structural Tees, WT, MT Or ST, Deduct	-49.74	
		For Skewed Or Sloped Connections, Add	19.12	
05 12 23 00-0315	LF	W10 x 54 A992/A36 Structural Beam Or Girder .....	148.26	37.00
		For Hot Dip Galvanizing, Add	30.16	
		For High Strength Low Alloy A572-50 Steel, Add	13.34	
		For High Strength Low Alloy A588 Steel, Add	29.65	
		For Each Additional Top Copes >2, Add	1.09	
		For Structural Tees, WT, MT Or ST, Deduct	-45.95	
		For Skewed Or Sloped Connections, Add	17.79	



## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0316	LF	W10 x 49 A992/A36 Structural Beam Or Girder	139.18	36.63
		For Hot Dip Galvanizing, Add	27.79	
		For High Strength Low Alloy A572-50 Steel, Add	12.53	
		For High Strength Low Alloy A588 Steel, Add	27.84	
		For Each Additional Top Copes >2, Add	1.00	
		For Structural Tees, WT, MT Or ST, Deduct	-42.86	
		For Skewed Or Sloped Connections, Add	16.70	
05 12 23 00-0317	LF	W10 x 45 A992/A36 Structural Beam Or Girder	131.87	36.45
		For Hot Dip Galvanizing, Add	25.87	
		For High Strength Low Alloy A572-50 Steel, Add	11.87	
		For High Strength Low Alloy A588 Steel, Add	26.37	
		For Each Additional Top Copes >2, Add	0.93	
		For Structural Tees, WT, MT Or ST, Deduct	-40.36	
		For Skewed Or Sloped Connections, Add	15.82	
05 12 23 00-0318	LF	W10 x 39 A992/A36 Structural Beam Or Girder	121.01	35.71
		For Hot Dip Galvanizing, Add	23.00	
		For High Strength Low Alloy A572-50 Steel, Add	10.89	
		For High Strength Low Alloy A588 Steel, Add	24.20	
		For Each Additional Top Copes >2, Add	0.83	
		For Structural Tees, WT, MT Or ST, Deduct	-36.64	
		For Skewed Or Sloped Connections, Add	14.52	
05 12 23 00-0319	LF	W10 x 33 A992/A36 Structural Beam Or Girder	110.14	35.16
		For Hot Dip Galvanizing, Add	20.14	
		For High Strength Low Alloy A572-50 Steel, Add	9.91	
		For High Strength Low Alloy A588 Steel, Add	22.03	
		For Each Additional Top Copes >2, Add	0.73	
		For Structural Tees, WT, MT Or ST, Deduct	-32.92	
		For Skewed Or Sloped Connections, Add	13.22	
05 12 23 00-0320	LF	W10 x 30 A992/A36 Structural Beam Or Girder	104.60	34.98
		For Hot Dip Galvanizing, Add	18.66	
		For High Strength Low Alloy A572-50 Steel, Add	9.41	
		For High Strength Low Alloy A588 Steel, Add	20.92	
		For Each Additional Top Copes >2, Add	0.67	
		For Structural Tees, WT, MT Or ST, Deduct	-31.00	
		For Skewed Or Sloped Connections, Add	12.55	
05 12 23 00-0321	LF	W10 x 26 A992/A36 Structural Beam Or Girder	97.49	34.80
		For Hot Dip Galvanizing, Add	16.79	
		For High Strength Low Alloy A572-50 Steel, Add	8.77	
		For High Strength Low Alloy A588 Steel, Add	19.50	
		For Each Additional Top Copes >2, Add	0.60	
		For Structural Tees, WT, MT Or ST, Deduct	-28.57	
		For Skewed Or Sloped Connections, Add	11.70	
05 12 23 00-0322	LF	W10 x 22 A992/A36 Structural Beam Or Girder	90.00	34.24
		For Hot Dip Galvanizing, Add	14.86	
		For High Strength Low Alloy A572-50 Steel, Add	8.10	
		For High Strength Low Alloy A588 Steel, Add	18.00	
		For Each Additional Top Copes >2, Add	0.54	
		For Structural Tees, WT, MT Or ST, Deduct	-26.03	
		For Skewed Or Sloped Connections, Add	10.80	
05 12 23 00-0323	LF	W10 x 19 A992/A36 Structural Beam Or Girder	84.65	34.05
		For Hot Dip Galvanizing, Add	13.43	
		For High Strength Low Alloy A572-50 Steel, Add	7.62	
		For High Strength Low Alloy A588 Steel, Add	16.93	
		For Each Additional Top Copes >2, Add	0.48	
		For Structural Tees, WT, MT Or ST, Deduct	-24.19	
		For Skewed Or Sloped Connections, Add	10.16	
05 12 23 00-0324	LF	W10 x 17 A992/A36 Structural Beam Or Girder	80.90	33.87
		For Hot Dip Galvanizing, Add	12.44	
		For High Strength Low Alloy A572-50 Steel, Add	7.28	
		For High Strength Low Alloy A588 Steel, Add	16.18	
		For Each Additional Top Copes >2, Add	0.45	
		For Structural Tees, WT, MT Or ST, Deduct	-22.90	
		For Skewed Or Sloped Connections, Add	9.71	
05 12 23 00-0325	LF	W10 x 15 A992/A36 Structural Beam Or Girder	77.35	33.50
		For Hot Dip Galvanizing, Add	11.50	
		For High Strength Low Alloy A572-50 Steel, Add	6.96	
		For High Strength Low Alloy A588 Steel, Add	15.47	
		For Each Additional Top Copes >2, Add	0.41	
		For Structural Tees, WT, MT Or ST, Deduct	-21.69	
		For Skewed Or Sloped Connections, Add	9.28	
05 12 23 00-0326	LF	W10 x 12 A992/A36 Structural Beam Or Girder	72.00	33.50
		For Hot Dip Galvanizing, Add	10.07	
		For High Strength Low Alloy A572-50 Steel, Add	6.48	
		For High Strength Low Alloy A588 Steel, Add	14.40	
		For Each Additional Top Copes >2, Add	0.36	
		For Structural Tees, WT, MT Or ST, Deduct	-19.84	
		For Skewed Or Sloped Connections, Add	8.64	
05 12 23 00-0327	LF	W8 x 35 A992/A36 Structural Beam Or Girder	113.70	35.53
		For Hot Dip Galvanizing, Add	21.08	
		For High Strength Low Alloy A572-50 Steel, Add	10.23	
		For High Strength Low Alloy A588 Steel, Add	22.74	
		For Each Additional Top Copes >2, Add	0.76	
		For Structural Tees, WT, MT Or ST, Deduct	-34.13	
		For Skewed Or Sloped Connections, Add	13.64	
05 12 23 00-0328	LF	W8 x 31 A992/A36 Structural Beam Or Girder	106.39	34.98
		For Hot Dip Galvanizing, Add	19.15	
		For High Strength Low Alloy A572-50 Steel, Add	9.58	
		For High Strength Low Alloy A588 Steel, Add	21.28	
		For Each Additional Top Copes >2, Add	0.69	
		For Structural Tees, WT, MT Or ST, Deduct	-31.63	
		For Skewed Or Sloped Connections, Add	12.77	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0329	LF			W8 x 28 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	99.02 17.72 8.91 19.80 0.64 -29.38 11.88	32.95
05 12 23 00-0330	LF			W8 x 24 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	90.48 15.96 8.14 18.10 0.58 -26.73 10.86	30.92
05 12 23 00-0331	LF			W8 x 21 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	84.22 14.84 7.58 16.84 0.53 -24.87 10.11	28.72
05 12 23 00-0332	LF			W8 x 18 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	74.07 12.63 6.67 14.81 0.46 -21.64 8.89	26.69
05 12 23 00-0333	LF			W8 x 10 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	44.56 6.75 4.01 8.91 0.24 -12.56 5.35	19.15
05 12 23 00-0334	LF			W6 x 9 A992/A36 Structural Beam Or Girder ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Steel, Add</i> <i>For Each Additional Top Copes &gt;2, Add</i> <i>For Structural Tees, WT, MT Or ST, Deduct</i> <i>For Skewed Or Sloped Connections, Add</i>	40.57 6.66 3.65 8.11 0.24 -11.71 4.87	15.65
<b>05 12 23 00-0335</b>				<b>A992/A36 Structural Steel, M Shapes</b> <small>(05 12 23 00-0117)</small> Note: Includes material delivery and erection.		
05 12 23 00-0336	LF			M14 x 18 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	79.97 13.86 7.20 15.99	28.19
05 12 23 00-0337	LF			M12 x 11.8 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	59.30 9.09 5.34 11.86	24.91
05 12 23 00-0338	LF			M10 x 9 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	46.29 6.93 4.17 9.26	20.00
05 12 23 00-0339	LF			M8 x 6.5 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	33.44 5.01 3.01 6.69	14.45
05 12 23 00-0340	LF			M6 x 20 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	86.79 15.40 7.81 17.36	29.64
05 12 23 00-0341	LF			M6 x 4.4 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	22.62 3.38 2.04 4.52	9.77
05 12 23 00-0342	LF			M5 x 18.9 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	84.02 14.53 7.56 16.80	29.64
05 12 23 00-0343	LF			M4 x 13 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	70.39 10.95 6.34 14.08	29.09
<b>05 12 23 00-0344</b>				<b>A992/A36 Structural Steel, S Shapes</b> <small>(05 12 23 00-0117)</small> Note: Includes material delivery and erection.		
05 12 23 00-0345	LF			S24 x 121 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	470.17 88.25 42.32 94.03	142.72
05 12 23 00-0346	LF			S24 x 106 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	418.90 77.31 37.70 83.78	131.61

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0347	LF		S24 x 100 A992/A36 Structural Steel .....	402.17	130.69
			For Hot Dip Galvanizing, Add	72.93	
			For High Strength Low Alloy A572-50 Steel, Add	36.20	
			For High Strength Low Alloy A588 Grade B Steel, Add	80.43	
05 12 23 00-0348	LF		S24 x 90 A992/A36 Structural Steel .....	368.55	123.81
			For Hot Dip Galvanizing, Add	65.64	
			For High Strength Low Alloy A572-50 Steel, Add	33.17	
			For High Strength Low Alloy A588 Grade B Steel, Add	73.71	
05 12 23 00-0349	LF		S24 x 80 A992/A36 Structural Steel .....	333.76	115.85
			For Hot Dip Galvanizing, Add	58.35	
			For High Strength Low Alloy A572-50 Steel, Add	30.04	
			For High Strength Low Alloy A588 Grade B Steel, Add	66.75	
05 12 23 00-0350	LF		S20 x 96 A992/A36 Structural Steel .....	386.08	125.46
			For Hot Dip Galvanizing, Add	70.02	
			For High Strength Low Alloy A572-50 Steel, Add	34.75	
			For High Strength Low Alloy A588 Grade B Steel, Add	77.22	
05 12 23 00-0351	LF		S20 x 86 A992/A36 Structural Steel .....	352.16	118.32
			For Hot Dip Galvanizing, Add	62.72	
			For High Strength Low Alloy A572-50 Steel, Add	31.69	
			For High Strength Low Alloy A588 Grade B Steel, Add	70.43	
05 12 23 00-0352	LF		S20 x 75 A992/A36 Structural Steel .....	312.89	108.61
			For Hot Dip Galvanizing, Add	54.70	
			For High Strength Low Alloy A572-50 Steel, Add	28.16	
			For High Strength Low Alloy A588 Grade B Steel, Add	62.58	
05 12 23 00-0353	LF		S20 x 66 A992/A36 Structural Steel .....	280.72	100.60
			For Hot Dip Galvanizing, Add	48.14	
			For High Strength Low Alloy A572-50 Steel, Add	25.26	
			For High Strength Low Alloy A588 Grade B Steel, Add	56.14	
05 12 23 00-0354	LF		S18 x 70 A992/A36 Structural Steel .....	297.74	106.71
			For Hot Dip Galvanizing, Add	51.05	
			For High Strength Low Alloy A572-50 Steel, Add	26.80	
			For High Strength Low Alloy A588 Grade B Steel, Add	59.55	
05 12 23 00-0355	LF		S18 x 54.7 A992/A36 Structural Steel .....	237.34	87.77
			For Hot Dip Galvanizing, Add	39.89	
			For High Strength Low Alloy A572-50 Steel, Add	21.36	
			For High Strength Low Alloy A588 Grade B Steel, Add	47.47	
05 12 23 00-0356	LF		S15 x 50 A992/A36 Structural Steel .....	221.45	84.45
			For Hot Dip Galvanizing, Add	36.47	
			For High Strength Low Alloy A572-50 Steel, Add	19.93	
			For High Strength Low Alloy A588 Grade B Steel, Add	44.29	
05 12 23 00-0357	LF		S15 x 42.9 A992/A36 Structural Steel .....	194.06	76.27
			For Hot Dip Galvanizing, Add	31.29	
			For High Strength Low Alloy A572-50 Steel, Add	17.47	
			For High Strength Low Alloy A588 Grade B Steel, Add	38.81	
05 12 23 00-0358	LF		S12 x 50 A992/A36 Structural Steel .....	216.94	80.23
			For Hot Dip Galvanizing, Add	36.47	
			For High Strength Low Alloy A572-50 Steel, Add	19.52	
			For High Strength Low Alloy A588 Grade B Steel, Add	43.39	
05 12 23 00-0359	LF		S12 x 40.8 A992/A36 Structural Steel .....	180.69	68.92
			For Hot Dip Galvanizing, Add	29.76	
			For High Strength Low Alloy A572-50 Steel, Add	16.26	
			For High Strength Low Alloy A588 Grade B Steel, Add	36.14	
05 12 23 00-0360	LF		S12 x 35 A992/A36 Structural Steel .....	158.33	62.23
			For Hot Dip Galvanizing, Add	25.53	
			For High Strength Low Alloy A572-50 Steel, Add	14.25	
			For High Strength Low Alloy A588 Grade B Steel, Add	31.67	
05 12 23 00-0361	LF		S12 x 31.8 A992/A36 Structural Steel .....	147.04	59.51
			For Hot Dip Galvanizing, Add	23.19	
			For High Strength Low Alloy A572-50 Steel, Add	13.23	
			For High Strength Low Alloy A588 Grade B Steel, Add	29.41	
05 12 23 00-0362	LF		S10 x 35 A992/A36 Structural Steel .....	161.83	65.51
			For Hot Dip Galvanizing, Add	25.53	
			For High Strength Low Alloy A572-50 Steel, Add	14.56	
			For High Strength Low Alloy A588 Grade B Steel, Add	32.37	
05 12 23 00-0363	LF		S10 x 25.4 A992/A36 Structural Steel .....	120.11	50.04
			For Hot Dip Galvanizing, Add	18.53	
			For High Strength Low Alloy A572-50 Steel, Add	10.81	
			For High Strength Low Alloy A588 Grade B Steel, Add	24.02	
05 12 23 00-0364	LF		S8 x 23 A992/A36 Structural Steel .....	108.76	45.31
			For Hot Dip Galvanizing, Add	16.77	
			For High Strength Low Alloy A572-50 Steel, Add	9.79	
			For High Strength Low Alloy A588 Grade B Steel, Add	21.75	
05 12 23 00-0365	LF		S8 x 18.4 A992/A36 Structural Steel .....	89.05	38.15
			For Hot Dip Galvanizing, Add	13.42	
			For High Strength Low Alloy A572-50 Steel, Add	8.01	
			For High Strength Low Alloy A588 Grade B Steel, Add	17.81	
05 12 23 00-0366	LF		S7 x 20 A992/A36 Structural Steel .....	96.78	41.47
			For Hot Dip Galvanizing, Add	14.59	
			For High Strength Low Alloy A572-50 Steel, Add	8.71	
			For High Strength Low Alloy A588 Grade B Steel, Add	19.36	
05 12 23 00-0367	LF		S7 x 15.3 A992/A36 Structural Steel .....	75.81	33.41
			For Hot Dip Galvanizing, Add	11.16	
			For High Strength Low Alloy A572-50 Steel, Add	6.82	
			For High Strength Low Alloy A588 Grade B Steel, Add	15.16	
05 12 23 00-0368	LF		S6 x 17.25 A992/A36 Structural Steel .....	78.49	31.08
			For Hot Dip Galvanizing, Add	12.58	
			For High Strength Low Alloy A572-50 Steel, Add	7.06	
			For High Strength Low Alloy A588 Grade B Steel, Add	15.70	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0369	LF			S6 x 12.5 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	67.92 10.32 6.11 13.58	28.72
05 12 23 00-0370	LF			S5 x 14.75 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	71.89 11.31 6.47 14.38	29.27
05 12 23 00-0371	LF			S5 x 10 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	62.20 8.78 5.60 12.44	28.54
05 12 23 00-0372	LF			S4 x 9.5 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	60.73 8.37 5.47 12.15	28.54
05 12 23 00-0373	LF			S4 x 7.7 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	57.28 7.47 5.16 11.46	28.54
05 12 23 00-0374	LF			S3 x 7.5 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	56.95 7.38 5.13 11.39	28.54
05 12 23 00-0375	LF			S3 x 5.7 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	52.86 6.29 4.76 10.57	28.35
<b>05 12 23 00-0376</b>				<b>A992/A36 Structural Steel, HP Shapes</b> (05 12 23 00-0117) Note: Includes material delivery and erection.		
05 12 23 00-0377	LF			HP14 x 117 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	270.94 62.68 24.38 54.19	42.28
05 12 23 00-0378	LF			HP14 x 102 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	238.04 54.42 21.42 47.61	39.35
05 12 23 00-0379	LF			HP14 x 89 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	212.84 48.14 19.16 42.57	36.90
05 12 23 00-0380	LF			HP14 x 73 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	177.93 39.09 16.01 35.59	34.78
05 12 23 00-0381	LF			HP13 x 100 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	233.37 53.35 21.00 46.67	38.57
05 12 23 00-0382	LF			HP13 x 87 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	208.05 47.06 18.72 41.61	36.09
05 12 23 00-0383	LF			HP13 x 73 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	177.93 39.09 16.01 35.59	34.78
05 12 23 00-0384	LF			HP13 x 60 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	152.34 32.41 13.71 30.47	33.33
05 12 23 00-0385	LF			HP12 x 84 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	197.92 43.67 17.81 39.58	38.04
05 12 23 00-0386	LF			HP12 x 74 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	175.78 38.17 15.82 35.16	35.88
05 12 23 00-0387	LF			HP12 x 63 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	152.19 32.47 13.70 30.44	33.01
05 12 23 00-0388	LF			HP12 x 53 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	140.00 29.57 12.60 28.00	31.37
05 12 23 00-0389	LF			HP10 x 57 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	147.15 31.31 13.24 29.43	32.19
05 12 23 00-0390	LF			HP10 x 42 A992/A36 Structural Steel ..... <i>For Hot Dip Galvanizing, Add</i> <i>For High Strength Low Alloy A572-50 Steel, Add</i> <i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	122.76 25.14 11.05 24.55	30.18

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0391	LF	HP8 x 36 A992/A36 Structural Steel.....	107.64	28.46
		<i>For Hot Dip Galvanizing, Add</i>	21.45	
		<i>For High Strength Low Alloy A572-50 Steel, Add</i>	9.69	
		<i>For High Strength Low Alloy A588 Grade B Steel, Add</i>	21.53	
05 12 23 00-0392		<b>Lightweight Framing Steel Shapes</b> (05 12 23)		
		Note: Includes cutting to length. Excludes fasteners or welds. When used with structural steel shapes by TON, connecting bolts or welds are considered included with structural steel tasks by TON.		
05 12 23 00-0393		<b>Angle Iron - L</b> (05 12 23 00-0392)		
05 12 23 00-0394		<b>1/8" Thick</b> (05 12 23 00-0393)		
05 12 23 00-0395	LF	1/2" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	4.41	2.89
		<i>For &gt;100 To 250, Deduct</i>	-0.29	
		<i>For &gt;250 To 500, Deduct</i>	-0.40	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.61	
		<i>For &gt;1,000, Deduct</i>	-0.81	
		<i>For 304 Stainless Steel, Add</i>	1.60	
		<i>For Galvanized Steel, Add</i>	0.35	
		<i>For High Strength Steel (HSS), Add</i>	0.88	
05 12 23 00-0396	LF	3/4" x 1/2" x 1/8" Thick, Plain Steel Angle Iron.....	5.07	3.27
		<i>For &gt;100 To 250, Deduct</i>	-0.33	
		<i>For &gt;250 To 500, Deduct</i>	-0.45	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.69	
		<i>For &gt;1,000, Deduct</i>	-0.93	
		<i>For 304 Stainless Steel, Add</i>	2.02	
		<i>For Galvanized Steel, Add</i>	0.44	
		<i>For High Strength Steel (HSS), Add</i>	1.01	
05 12 23 00-0397	LF	3/4" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	5.69	3.61
		<i>For &gt;100 To 250, Deduct</i>	-0.36	
		<i>For &gt;250 To 500, Deduct</i>	-0.50	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.77	
		<i>For &gt;1,000, Deduct</i>	-1.03	
		<i>For 304 Stainless Steel, Add</i>	2.51	
		<i>For Galvanized Steel, Add</i>	0.55	
		<i>For High Strength Steel (HSS), Add</i>	1.14	
05 12 23 00-0398	LF	1" x 3/4" x 1/8" Thick, Plain Steel Angle Iron.....	6.38	4.02
		<i>For &gt;100 To 250, Deduct</i>	-0.40	
		<i>For &gt;250 To 500, Deduct</i>	-0.56	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.86	
		<i>For &gt;1,000, Deduct</i>	-1.15	
		<i>For 304 Stainless Steel, Add</i>	2.91	
		<i>For Galvanized Steel, Add</i>	0.63	
		<i>For High Strength Steel (HSS), Add</i>	1.28	
05 12 23 00-0399	LF	1" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	6.97	4.33
		<i>For &gt;100 To 250, Deduct</i>	-0.43	
		<i>For &gt;250 To 500, Deduct</i>	-0.61	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.93	
		<i>For &gt;1,000, Deduct</i>	-1.25	
		<i>For 304 Stainless Steel, Add</i>	3.39	
		<i>For Galvanized Steel, Add</i>	0.74	
		<i>For High Strength Steel (HSS), Add</i>	1.39	
05 12 23 00-0400	LF	1-1/4" x 1-1/4" x 1/8" Thick, Plain Steel Angle Iron.....	8.30	5.10
		<i>For &gt;100 To 250, Deduct</i>	-0.51	
		<i>For &gt;250 To 500, Deduct</i>	-0.72	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.10	
		<i>For &gt;1,000, Deduct</i>	-1.47	
		<i>For 304 Stainless Steel, Add</i>	4.28	
		<i>For Galvanized Steel, Add</i>	0.93	
		<i>For High Strength Steel (HSS), Add</i>	1.66	
05 12 23 00-0401	LF	1-1/2" x 1" x 1/8" Thick, Plain Steel Angle Iron.....	8.30	5.10
		<i>For &gt;100 To 250, Deduct</i>	-0.51	
		<i>For &gt;250 To 500, Deduct</i>	-0.72	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.10	
		<i>For &gt;1,000, Deduct</i>	-1.47	
		<i>For 304 Stainless Steel, Add</i>	4.28	
		<i>For Galvanized Steel, Add</i>	0.93	
		<i>For High Strength Steel (HSS), Add</i>	1.66	
05 12 23 00-0402	LF	1-1/2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron.....	9.12	5.48
		<i>For &gt;100 To 250, Deduct</i>	-0.55	
		<i>For &gt;250 To 500, Deduct</i>	-0.78	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.19	
		<i>For &gt;1,000, Deduct</i>	-1.60	
		<i>For 304 Stainless Steel, Add</i>	5.16	
		<i>For Galvanized Steel, Add</i>	1.12	
		<i>For High Strength Steel (HSS), Add</i>	1.82	
05 12 23 00-0403	LF	1-3/4" x 1-3/4" x 1/8" Thick, Plain Steel Angle Iron.....	9.70	5.67
		<i>For &gt;100 To 250, Deduct</i>	-0.57	
		<i>For &gt;250 To 500, Deduct</i>	-0.81	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.24	
		<i>For &gt;1,000, Deduct</i>	-1.67	
		<i>For 304 Stainless Steel, Add</i>	6.10	
		<i>For 316 Stainless Steel, Add</i>	6.85	
		<i>For Aluminum, Add</i>	0.39	
		<i>For Galvanized Steel, Add</i>	1.33	
		<i>For High Strength Steel (HSS), Add</i>	1.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0404	LF	2" x 1-1/2" x 1/8" Thick, Plain Steel Angle Iron	.....	9.70	5.67
		<i>For &gt;100 To 250, Deduct</i>		-0.57	
		<i>For &gt;250 To 500, Deduct</i>		-0.81	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.24	
		<i>For &gt;1,000, Deduct</i>		-1.67	
		<i>For 304 Stainless Steel, Add</i>		6.10	
		<i>For 316 Stainless Steel, Add</i>		6.85	
		<i>For Aluminum, Add</i>		0.39	
		<i>For Galvanized Steel, Add</i>		1.33	
		<i>For High Strength Steel (HSS), Add</i>		1.94	
05 12 23 00-0405	LF	2" x 2" x 1/8" Thick, Plain Steel Angle Iron	.....	10.27	5.85
		<i>For &gt;100 To 250, Deduct</i>		-0.59	
		<i>For &gt;250 To 500, Deduct</i>		-0.84	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.29	
		<i>For &gt;1,000, Deduct</i>		-1.75	
		<i>For 304 Stainless Steel, Add</i>		7.01	
		<i>For Galvanized Steel, Add</i>		1.53	
		<i>For High Strength Steel (HSS), Add</i>		2.05	
<b>05 12 23 00-0406</b>		<b>3/16" Thick</b> <small>(05 12 23 00-0393)</small>			
05 12 23 00-0407	LF	1" x 1" x 3/16" Thick, Plain Steel Angle Iron	.....	7.83	4.58
		<i>For &gt;100 To 250, Deduct</i>		-0.46	
		<i>For &gt;250 To 500, Deduct</i>		-0.65	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.00	
		<i>For &gt;1,000, Deduct</i>		-1.35	
		<i>For 304 Stainless Steel, Add</i>		4.90	
		<i>For 316 Stainless Steel, Add</i>		5.50	
		<i>For Aluminum, Add</i>		0.31	
		<i>For Galvanized Steel, Add</i>		1.07	
		<i>For High Strength Steel (HSS), Add</i>		1.57	
05 12 23 00-0408	LF	1-1/4" x 1-1/4" x 3/16" Thick, Plain Steel Angle Iron	.....	9.39	5.39
		<i>For &gt;100 To 250, Deduct</i>		-0.54	
		<i>For &gt;250 To 500, Deduct</i>		-0.77	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.19	
		<i>For &gt;1,000, Deduct</i>		-1.60	
		<i>For 304 Stainless Steel, Add</i>		6.27	
		<i>For Galvanized Steel, Add</i>		1.36	
		<i>For High Strength Steel (HSS), Add</i>		1.88	
05 12 23 00-0409	LF	1-1/2" x 1" x 3/16" Thick, Plain Steel Angle Iron	.....	9.39	5.39
		<i>For &gt;100 To 250, Deduct</i>		-0.54	
		<i>For &gt;250 To 500, Deduct</i>		-0.77	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.19	
		<i>For &gt;1,000, Deduct</i>		-1.60	
		<i>For 304 Stainless Steel, Add</i>		6.27	
		<i>For Galvanized Steel, Add</i>		1.36	
		<i>For High Strength Steel (HSS), Add</i>		1.88	
05 12 23 00-0410	LF	1-1/2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	.....	10.37	5.78
		<i>For &gt;100 To 250, Deduct</i>		-0.58	
		<i>For &gt;250 To 500, Deduct</i>		-0.84	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.29	
		<i>For &gt;1,000, Deduct</i>		-1.74	
		<i>For 304 Stainless Steel, Add</i>		7.61	
		<i>For Galvanized Steel, Add</i>		1.66	
		<i>For High Strength Steel (HSS), Add</i>		2.07	
05 12 23 00-0411	LF	1-3/4" x 1-3/4" x 3/16" Thick, Plain Steel Angle Iron	.....	11.13	5.98
		<i>For &gt;100 To 250, Deduct</i>		-0.60	
		<i>For &gt;250 To 500, Deduct</i>		-0.88	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.35	
		<i>For &gt;1,000, Deduct</i>		-1.83	
		<i>For 304 Stainless Steel, Add</i>		9.01	
		<i>For 316 Stainless Steel, Add</i>		10.11	
		<i>For Aluminum, Add</i>		0.57	
		<i>For Galvanized Steel, Add</i>		1.96	
		<i>For High Strength Steel (HSS), Add</i>		2.23	
05 12 23 00-0412	LF	2" x 1-1/2" x 3/16" Thick, Plain Steel Angle Iron	.....	11.13	5.98
		<i>For &gt;100 To 250, Deduct</i>		-0.60	
		<i>For &gt;250 To 500, Deduct</i>		-0.88	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.35	
		<i>For &gt;1,000, Deduct</i>		-1.83	
		<i>For 304 Stainless Steel, Add</i>		9.01	
		<i>For 316 Stainless Steel, Add</i>		10.11	
		<i>For Aluminum, Add</i>		0.57	
		<i>For Galvanized Steel, Add</i>		1.96	
		<i>For High Strength Steel (HSS), Add</i>		2.23	
05 12 23 00-0413	LF	2" x 2" x 3/16" Thick, Plain Steel Angle Iron	.....	11.88	6.19
		<i>For &gt;100 To 250, Deduct</i>		-0.62	
		<i>For &gt;250 To 500, Deduct</i>		-0.92	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.42	
		<i>For &gt;1,000, Deduct</i>		-1.92	
		<i>For 304 Stainless Steel, Add</i>		10.35	
		<i>For Galvanized Steel, Add</i>		2.25	
		<i>For High Strength Steel (HSS), Add</i>		2.38	
05 12 23 00-0414	LF	2-1/2" x 2" x 3/16" Thick, Plain Steel Angle Iron	.....	12.93	6.63
		<i>For &gt;100 To 250, Deduct</i>		-0.66	
		<i>For &gt;250 To 500, Deduct</i>		-0.99	
		<i>For &gt;500 To 1,000, Deduct</i>		-1.53	
		<i>For &gt;1,000, Deduct</i>		-2.07	
		<i>For 304 Stainless Steel, Add</i>		11.66	
		<i>For Galvanized Steel, Add</i>		2.54	
		<i>For High Strength Steel (HSS), Add</i>		2.59	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 12 23 00-0415	LF	2-1/2" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	14.05	7.11
		<i>For &gt;100 To 250, Deduct</i>	-0.71	
		<i>For &gt;250 To 500, Deduct</i>	-1.06	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.65	
		<i>For &gt;1,000, Deduct</i>	-2.24	
		<i>For 304 Stainless Steel, Add</i>	13.05	
		<i>For Galvanized Steel, Add</i>	2.84	
		<i>For High Strength Steel (HSS), Add</i>	2.81	
05 12 23 00-0416	LF	3" x 2" x 3/16" Thick, Plain Steel Angle Iron	14.04	7.11
		<i>For &gt;100 To 250, Deduct</i>	-0.71	
		<i>For &gt;250 To 500, Deduct</i>	-1.06	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.65	
		<i>For &gt;1,000, Deduct</i>	-2.24	
		<i>For 304 Stainless Steel, Add</i>	13.02	
		<i>For Galvanized Steel, Add</i>	2.83	
		<i>For High Strength Steel (HSS), Add</i>	2.81	
05 12 23 00-0417	LF	3" x 2-1/2" x 3/16" Thick, Plain Steel Angle Iron	15.51	7.84
		<i>For &gt;100 To 250, Deduct</i>	-0.78	
		<i>For &gt;250 To 500, Deduct</i>	-1.17	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.82	
		<i>For &gt;1,000, Deduct</i>	-2.47	
		<i>For 304 Stainless Steel, Add</i>	14.39	
		<i>For Galvanized Steel, Add</i>	3.13	
		<i>For High Strength Steel (HSS), Add</i>	3.10	
05 12 23 00-0418	LF	3" x 3" x 3/16" Thick, Plain Steel Angle Iron	16.97	8.59
		<i>For &gt;100 To 250, Deduct</i>	-0.86	
		<i>For &gt;250 To 500, Deduct</i>	-1.28	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.99	
		<i>For &gt;1,000, Deduct</i>	-2.70	
		<i>For 304 Stainless Steel, Add</i>	15.73	
		<i>For Galvanized Steel, Add</i>	3.42	
		<i>For High Strength Steel (HSS), Add</i>	3.39	
05 12 23 00-0419		1/4" Thick <small>(05 12 23 00-0393)</small>		
05 12 23 00-0420	LF	1" x 1" x 1/4" Thick, Plain Steel Angle Iron	9.27	5.29
		<i>For &gt;100 To 250, Deduct</i>	-0.53	
		<i>For &gt;250 To 500, Deduct</i>	-0.76	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.17	
		<i>For &gt;1,000, Deduct</i>	-1.58	
		<i>For 304 Stainless Steel, Add</i>	6.24	
		<i>For 316 Stainless Steel, Add</i>	7.01	
		<i>For Aluminum, Add</i>	0.39	
		<i>For Galvanized Steel, Add</i>	1.36	
		<i>For High Strength Steel (HSS), Add</i>	1.85	
05 12 23 00-0421	LF	1-1/4" x 1-1/4" x 1/4" Thick, Plain Steel Angle Iron	10.43	5.70
		<i>For &gt;100 To 250, Deduct</i>	-0.57	
		<i>For &gt;250 To 500, Deduct</i>	-0.83	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.28	
		<i>For &gt;1,000, Deduct</i>	-1.73	
		<i>For 304 Stainless Steel, Add</i>	8.07	
		<i>For 316 Stainless Steel, Add</i>	9.06	
		<i>For Aluminum, Add</i>	0.51	
		<i>For Galvanized Steel, Add</i>	1.75	
		<i>For High Strength Steel (HSS), Add</i>	2.09	
05 12 23 00-0422	LF	1-1/2" x 1" x 1/4" Thick, Plain Steel Angle Iron	10.42	5.70
		<i>For &gt;100 To 250, Deduct</i>	-0.57	
		<i>For &gt;250 To 500, Deduct</i>	-0.83	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.28	
		<i>For &gt;1,000, Deduct</i>	-1.73	
		<i>For 304 Stainless Steel, Add</i>	8.04	
		<i>For Galvanized Steel, Add</i>	1.75	
		<i>For High Strength Steel (HSS), Add</i>	2.08	
05 12 23 00-0423	LF	1-1/2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron	11.57	6.09
		<i>For &gt;100 To 250, Deduct</i>	-0.61	
		<i>For &gt;250 To 500, Deduct</i>	-0.90	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.39	
		<i>For &gt;1,000, Deduct</i>	-1.88	
		<i>For 304 Stainless Steel, Add</i>	9.83	
		<i>For Galvanized Steel, Add</i>	2.14	
		<i>For High Strength Steel (HSS), Add</i>	2.31	
05 12 23 00-0424	LF	1-3/4" x 1-3/4" x 1/4" Thick, Plain Steel Angle Iron	12.53	6.29
		<i>For &gt;100 To 250, Deduct</i>	-0.63	
		<i>For &gt;250 To 500, Deduct</i>	-0.94	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.47	
		<i>For &gt;1,000, Deduct</i>	-1.99	
		<i>For 304 Stainless Steel, Add</i>	11.77	
		<i>For 316 Stainless Steel, Add</i>	13.22	
		<i>For Aluminum, Add</i>	0.74	
		<i>For Galvanized Steel, Add</i>	2.56	
		<i>For High Strength Steel (HSS), Add</i>	2.51	
05 12 23 00-0425	LF	2" x 1" x 1/4" Thick, Plain Steel Angle Iron	11.21	5.90
		<i>For &gt;100 To 250, Deduct</i>	-0.58	
		<i>For &gt;250 To 500, Deduct</i>	-0.86	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.33	
		<i>For &gt;1,000, Deduct</i>	-1.81	
		<i>For 304 Stainless Steel, Add</i>	9.92	
		<i>For 316 Stainless Steel, Add</i>	11.14	
		<i>For Aluminum, Add</i>	0.63	
		<i>For Galvanized Steel, Add</i>	2.16	
		<i>For High Strength Steel (HSS), Add</i>	2.24	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0426	LF			2" x 1-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	12.51	6.29
				For >100 To 250, Deduct	-0.63	
				For >250 To 500, Deduct	-0.94	
				For >500 To 1,000, Deduct	-1.47	
				For >1,000, Deduct	-1.99	
				For 304 Stainless Steel, Add	11.71	
				For 316 Stainless Steel, Add	13.15	
				For Aluminum, Add	0.74	
				For Galvanized Steel, Add	2.55	
				For High Strength Steel (HSS), Add	2.50	
05 12 23 00-0427	LF			2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	13.41	6.49
				For >100 To 250, Deduct	-0.65	
				For >250 To 500, Deduct	-0.99	
				For >500 To 1,000, Deduct	-1.54	
				For >1,000, Deduct	-2.09	
				For 304 Stainless Steel, Add	13.51	
				For Galvanized Steel, Add	2.94	
				For High Strength Steel (HSS), Add	2.68	
05 12 23 00-0428	LF			2-1/2" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	14.99	7.20
				For >100 To 250, Deduct	-0.72	
				For >250 To 500, Deduct	-1.09	
				For >500 To 1,000, Deduct	-1.71	
				For >1,000, Deduct	-2.32	
				For 304 Stainless Steel, Add	15.36	
				For Galvanized Steel, Add	3.34	
				For High Strength Steel (HSS), Add	3.00	
05 12 23 00-0429	LF			2-1/2" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	16.61	7.89
				For >100 To 250, Deduct	-0.79	
				For >250 To 500, Deduct	-1.20	
				For >500 To 1,000, Deduct	-1.88	
				For >1,000, Deduct	-2.56	
				For 304 Stainless Steel, Add	17.36	
				For Galvanized Steel, Add	3.78	
				For High Strength Steel (HSS), Add	3.32	
05 12 23 00-0430	LF			3" x 2" x 1/4" Thick, Plain Steel Angle Iron .....	16.61	7.89
				For >100 To 250, Deduct	-0.79	
				For >250 To 500, Deduct	-1.20	
				For >500 To 1,000, Deduct	-1.88	
				For >1,000, Deduct	-2.56	
				For 304 Stainless Steel, Add	17.36	
				For Galvanized Steel, Add	3.78	
				For High Strength Steel (HSS), Add	3.32	
05 12 23 00-0431	LF			3" x 2-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	18.38	8.76
				For >100 To 250, Deduct	-0.88	
				For >250 To 500, Deduct	-1.34	
				For >500 To 1,000, Deduct	-2.09	
				For >1,000, Deduct	-2.84	
				For 304 Stainless Steel, Add	19.10	
				For Galvanized Steel, Add	4.15	
				For High Strength Steel (HSS), Add	3.68	
05 12 23 00-0432	LF			3" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	20.11	9.62
				For >100 To 250, Deduct	-0.96	
				For >250 To 500, Deduct	-1.47	
				For >500 To 1,000, Deduct	-2.29	
				For >1,000, Deduct	-3.11	
				For 304 Stainless Steel, Add	20.75	
				For Galvanized Steel, Add	4.51	
				For High Strength Steel (HSS), Add	4.02	
05 12 23 00-0433	LF			3-1/2" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	21.82	10.35
				For >100 To 250, Deduct	-1.04	
				For >250 To 500, Deduct	-1.58	
				For >500 To 1,000, Deduct	-2.47	
				For >1,000, Deduct	-3.36	
				For 304 Stainless Steel, Add	22.86	
				For Galvanized Steel, Add	4.97	
				For High Strength Steel (HSS), Add	4.36	
05 12 23 00-0434	LF			3-1/2" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	23.04	1.08
				For >100 To 250, Deduct	-1.08	
				For >250 To 500, Deduct	-1.66	
				For >500 To 1,000, Deduct	-2.59	
				For >1,000, Deduct	-3.53	
				For 304 Stainless Steel, Add	24.60	
				For Galvanized Steel, Add	5.35	
				For High Strength Steel (HSS), Add	4.61	
05 12 23 00-0435	LF			4" x 3" x 1/4" Thick, Plain Steel Angle Iron .....	23.04	10.81
				For >100 To 250, Deduct	-1.08	
				For >250 To 500, Deduct	-1.66	
				For >500 To 1,000, Deduct	-2.59	
				For >1,000, Deduct	-3.53	
				For 304 Stainless Steel, Add	24.60	
				For Galvanized Steel, Add	5.35	
				For High Strength Steel (HSS), Add	4.61	
05 12 23 00-0436	LF			4" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	24.23	11.26
				For >100 To 250, Deduct	-1.13	
				For >250 To 500, Deduct	-1.73	
				For >500 To 1,000, Deduct	-2.71	
				For >1,000, Deduct	-3.69	
				For 304 Stainless Steel, Add	26.25	
				For Galvanized Steel, Add	5.71	
				For High Strength Steel (HSS), Add	4.85	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0437	LF 4" x 4" x 1/4" Thick, Plain Steel Angle Iron.....	25.48	11.75
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-1.81	
	For >500 To 1,000, Deduct	-2.84	
	For >1,000, Deduct	-3.87	
	For 304 Stainless Steel, Add	28.02	
	For Galvanized Steel, Add	6.09	
	For High Strength Steel (HSS), Add	5.10	
05 12 23 00-0438	LF 5" x 3" x 1/4" Thick, Plain Steel Angle Iron.....	25.48	11.75
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-1.81	
	For >500 To 1,000, Deduct	-2.84	
	For >1,000, Deduct	-3.87	
	For 304 Stainless Steel, Add	28.02	
	For Galvanized Steel, Add	6.09	
	For High Strength Steel (HSS), Add	5.10	
05 12 23 00-0439	LF 5" x 3-1/2" x 1/4" Thick, Plain Steel Angle Iron .....	26.89	12.37
	For >100 To 250, Deduct	-1.24	
	For >250 To 500, Deduct	-1.91	
	For >500 To 1,000, Deduct	-2.99	
	For >1,000, Deduct	-4.08	
	For 304 Stainless Steel, Add	29.61	
	For Galvanized Steel, Add	6.44	
	For High Strength Steel (HSS), Add	5.38	
05 12 23 00-0440	5/16" Thick (05 12 23 00-0393)		
05 12 23 00-0441	LF 2-1/2" x 2" x 5/16" Thick, Plain Steel Angle Iron .....	17.85	8.37
	For >100 To 250, Deduct	-0.84	
	For >250 To 500, Deduct	-1.28	
	For >500 To 1,000, Deduct	-2.01	
	For >1,000, Deduct	-2.73	
	For 304 Stainless Steel, Add	19.10	
	For Galvanized Steel, Add	4.15	
	For High Strength Steel (HSS), Add	3.57	
05 12 23 00-0442	LF 2-1/2" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	19.27	8.87
	For >100 To 250, Deduct	-0.89	
	For >250 To 500, Deduct	-1.37	
	For >500 To 1,000, Deduct	-2.15	
	For >1,000, Deduct	-2.92	
	For 304 Stainless Steel, Add	21.20	
	For Galvanized Steel, Add	4.61	
	For High Strength Steel (HSS), Add	3.85	
05 12 23 00-0443	LF 3" x 2" x 5/16" Thick, Plain Steel Angle Iron.....	19.27	8.87
	For >100 To 250, Deduct	-0.89	
	For >250 To 500, Deduct	-1.37	
	For >500 To 1,000, Deduct	-2.15	
	For >1,000, Deduct	-2.92	
	For 304 Stainless Steel, Add	21.20	
	For Galvanized Steel, Add	4.61	
	For High Strength Steel (HSS), Add	3.85	
05 12 23 00-0444	LF 3" x 2-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	21.31	9.72
	For >100 To 250, Deduct	-0.97	
	For >250 To 500, Deduct	-1.51	
	For >500 To 1,000, Deduct	-2.36	
	For >1,000, Deduct	-3.22	
	For 304 Stainless Steel, Add	23.77	
	For Galvanized Steel, Add	5.17	
	For High Strength Steel (HSS), Add	4.26	
05 12 23 00-0445	LF 3" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	23.17	10.57
	For >100 To 250, Deduct	-1.06	
	For >250 To 500, Deduct	-1.64	
	For >500 To 1,000, Deduct	-2.57	
	For >1,000, Deduct	-3.50	
	For 304 Stainless Steel, Add	25.88	
	For Galvanized Steel, Add	5.63	
	For High Strength Steel (HSS), Add	4.63	
05 12 23 00-0446	LF 3-1/2" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	24.64	11.10
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.73	
	For >500 To 1,000, Deduct	-2.71	
	For >1,000, Deduct	-3.70	
	For 304 Stainless Steel, Add	28.02	
	For Galvanized Steel, Add	6.09	
	For High Strength Steel (HSS), Add	4.93	
05 12 23 00-0447	LF 3-1/2" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	26.23	11.66
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-1.82	
	For >500 To 1,000, Deduct	-2.87	
	For >1,000, Deduct	-3.91	
	For 304 Stainless Steel, Add	30.47	
	For Galvanized Steel, Add	6.63	
	For High Strength Steel (HSS), Add	5.25	
05 12 23 00-0448	LF 4" x 3" x 5/16" Thick, Plain Steel Angle Iron.....	26.23	11.66
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-1.82	
	For >500 To 1,000, Deduct	-2.87	
	For >1,000, Deduct	-3.91	
	For 304 Stainless Steel, Add	30.47	
	For Galvanized Steel, Add	6.63	
	For High Strength Steel (HSS), Add	5.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0449	LF		4" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	27.86	12.32
			For >100 To 250, Deduct	-1.23	
			For >250 To 500, Deduct	-1.93	
			For >500 To 1,000, Deduct	-3.04	
			For >1,000, Deduct	-4.14	
			For 304 Stainless Steel, Add	32.58	
			For Galvanized Steel, Add	7.09	
			For High Strength Steel (HSS), Add	5.57	
05 12 23 00-0450	LF		4" x 4" x 5/16" Thick, Plain Steel Angle Iron .....	29.37	12.87
			For >100 To 250, Deduct	-1.29	
			For >250 To 500, Deduct	-2.02	
			For >500 To 1,000, Deduct	-3.18	
			For >1,000, Deduct	-4.35	
			For 304 Stainless Steel, Add	34.80	
			For Galvanized Steel, Add	7.57	
			For High Strength Steel (HSS), Add	5.87	
05 12 23 00-0451	LF		5" x 3" x 5/16" Thick, Plain Steel Angle Iron .....	29.37	12.87
			For >100 To 250, Deduct	-1.29	
			For >250 To 500, Deduct	-2.02	
			For >500 To 1,000, Deduct	-3.18	
			For >1,000, Deduct	-4.35	
			For 304 Stainless Steel, Add	34.80	
			For Galvanized Steel, Add	7.57	
			For High Strength Steel (HSS), Add	5.87	
05 12 23 00-0452	LF		5" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	30.80	13.41
			For >100 To 250, Deduct	-1.34	
			For >250 To 500, Deduct	-2.11	
			For >500 To 1,000, Deduct	-3.33	
			For >1,000, Deduct	-4.55	
			For 304 Stainless Steel, Add	36.82	
			For Galvanized Steel, Add	8.01	
			For High Strength Steel (HSS), Add	6.16	
05 12 23 00-0453	LF		5" x 5" x 5/16" Thick, Plain Steel Angle Iron .....	33.96	13.97
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-2.25	
			For >500 To 1,000, Deduct	-3.56	
			For >1,000, Deduct	-4.88	
			For 304 Stainless Steel, Add	43.69	
			For Galvanized Steel, Add	9.50	
			For High Strength Steel (HSS), Add	6.79	
05 12 23 00-0454	LF		6" x 3-1/2" x 5/16" Thick, Plain Steel Angle Iron .....	33.96	14.56
			For >100 To 250, Deduct	-1.46	
			For >250 To 500, Deduct	-2.30	
			For >500 To 1,000, Deduct	-3.64	
			For >1,000, Deduct	-4.97	
			For 304 Stainless Steel, Add	41.47	
			For Galvanized Steel, Add	9.02	
			For High Strength Steel (HSS), Add	6.79	
<b>05 12 23 00-0455</b>			<b>3/8" Thick (05 12 23 00-0393)</b>		
05 12 23 00-0456	LF		3" x 2" x 3/8" Thick, Plain Steel Angle Iron .....	21.13	9.28
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.46	
			For >500 To 1,000, Deduct	-2.29	
			For >1,000, Deduct	-3.13	
			For 304 Stainless Steel, Add	24.97	
			For Galvanized Steel, Add	5.43	
			For High Strength Steel (HSS), Add	4.23	
05 12 23 00-0457	LF		3" x 2-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	23.24	10.06
			For >100 To 250, Deduct	-1.01	
			For >250 To 500, Deduct	-1.59	
			For >500 To 1,000, Deduct	-2.50	
			For >1,000, Deduct	-3.42	
			For 304 Stainless Steel, Add	28.02	
			For Galvanized Steel, Add	6.09	
			For High Strength Steel (HSS), Add	4.65	
05 12 23 00-0458	LF		3" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	25.12	10.83
			For >100 To 250, Deduct	-1.08	
			For >250 To 500, Deduct	-1.71	
			For >500 To 1,000, Deduct	-2.70	
			For >1,000, Deduct	-3.69	
			For 304 Stainless Steel, Add	30.47	
			For Galvanized Steel, Add	6.63	
			For High Strength Steel (HSS), Add	5.02	
05 12 23 00-0459	LF		3-1/2" x 3" x 3/8" Thick, Plain Steel Angle Iron .....	26.60	11.12
			For >100 To 250, Deduct	-1.11	
			For >250 To 500, Deduct	-1.78	
			For >500 To 1,000, Deduct	-2.81	
			For >1,000, Deduct	-3.85	
			For 304 Stainless Steel, Add	33.52	
			For Galvanized Steel, Add	7.29	
			For High Strength Steel (HSS), Add	5.32	
05 12 23 00-0460	LF		3-1/2" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	28.27	11.74
			For >100 To 250, Deduct	-1.17	
			For >250 To 500, Deduct	-1.88	
			For >500 To 1,000, Deduct	-2.98	
			For >1,000, Deduct	-4.08	
			For 304 Stainless Steel, Add	35.97	
			For Galvanized Steel, Add	7.82	
			For High Strength Steel (HSS), Add	5.65	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0461	LF 4" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	28.27	11.74
	For >100 To 250, Deduct	-1.17	
	For >250 To 500, Deduct	-1.88	
	For >500 To 1,000, Deduct	-2.98	
	For >1,000, Deduct	-4.08	
	For 304 Stainless Steel, Add	35.97	
	For Galvanized Steel, Add	7.82	
	For High Strength Steel (HSS), Add	5.65	
05 12 23 00-0462	LF 4" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	30.56	12.78
	For >100 To 250, Deduct	-1.28	
	For >250 To 500, Deduct	-2.04	
	For >500 To 1,000, Deduct	-3.23	
	For >1,000, Deduct	-4.42	
	For 304 Stainless Steel, Add	38.50	
	For Galvanized Steel, Add	8.38	
	For High Strength Steel (HSS), Add	6.11	
05 12 23 00-0463	LF 4" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	32.10	13.16
	For >100 To 250, Deduct	-1.32	
	For >250 To 500, Deduct	-2.12	
	For >500 To 1,000, Deduct	-3.36	
	For >1,000, Deduct	-4.60	
	For 304 Stainless Steel, Add	41.47	
	For Galvanized Steel, Add	9.02	
	For High Strength Steel (HSS), Add	6.42	
05 12 23 00-0464	LF 5" x 3" x 3/8" Thick, Plain Steel Angle Iron.....	32.79	13.68
	For >100 To 250, Deduct	-1.37	
	For >250 To 500, Deduct	-2.19	
	For >500 To 1,000, Deduct	-3.46	
	For >1,000, Deduct	-4.74	
	For 304 Stainless Steel, Add	41.47	
	For Galvanized Steel, Add	9.02	
	For High Strength Steel (HSS), Add	6.56	
05 12 23 00-0465	LF 5" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	35.10	14.75
	For >100 To 250, Deduct	-1.47	
	For >250 To 500, Deduct	-2.35	
	For >500 To 1,000, Deduct	-3.72	
	For >1,000, Deduct	-5.09	
	For 304 Stainless Steel, Add	44.00	
	For Galvanized Steel, Add	9.57	
	For High Strength Steel (HSS), Add	7.02	
05 12 23 00-0466	LF 5" x 5" x 3/8" Thick, Plain Steel Angle Iron.....	41.22	17.18
	For >100 To 250, Deduct	-1.72	
	For >250 To 500, Deduct	-2.75	
	For >500 To 1,000, Deduct	-4.35	
	For >1,000, Deduct	-5.96	
	For 304 Stainless Steel, Add	52.18	
	For Galvanized Steel, Add	11.35	
	For High Strength Steel (HSS), Add	8.24	
05 12 23 00-0467	LF 6" x 3-1/2" x 3/8" Thick, Plain Steel Angle Iron .....	38.67	15.98
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.56	
	For >500 To 1,000, Deduct	-4.06	
	For >1,000, Deduct	-5.56	
	For 304 Stainless Steel, Add	49.50	
	For Galvanized Steel, Add	10.77	
	For High Strength Steel (HSS), Add	7.73	
05 12 23 00-0468	LF 6" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	41.22	17.18
	For >100 To 250, Deduct	-1.72	
	For >250 To 500, Deduct	-2.75	
	For >500 To 1,000, Deduct	-4.35	
	For >1,000, Deduct	-5.96	
	For 304 Stainless Steel, Add	52.18	
	For Galvanized Steel, Add	11.35	
	For High Strength Steel (HSS), Add	8.24	
05 12 23 00-0469	LF 6" x 6" x 3/8" Thick, Plain Steel Angle Iron.....	49.66	20.63
	For >100 To 250, Deduct	-2.06	
	For >250 To 500, Deduct	-3.30	
	For >500 To 1,000, Deduct	-5.23	
	For >1,000, Deduct	-7.16	
	For 304 Stainless Steel, Add	63.21	
	For Galvanized Steel, Add	13.75	
	For High Strength Steel (HSS), Add	9.93	
05 12 23 00-0470	LF 7" x 4" x 3/8" Thick, Plain Steel Angle Iron.....	45.45	18.90
	For >100 To 250, Deduct	-1.89	
	For >250 To 500, Deduct	-3.03	
	For >500 To 1,000, Deduct	-4.79	
	For >1,000, Deduct	-6.56	
	For 304 Stainless Steel, Add	57.68	
	For Galvanized Steel, Add	12.55	
	For High Strength Steel (HSS), Add	9.09	
05 12 23 00-0471	1/2" Thick (05 12 23 00-0393)		
05 12 23 00-0472	LF 3" x 3" x 1/2" Thick, Plain Steel Angle Iron.....	28.75	11.06
	For >100 To 250, Deduct	-1.11	
	For >250 To 500, Deduct	-1.83	
	For >500 To 1,000, Deduct	-2.91	
	For >1,000, Deduct	-4.00	
	For 304 Stainless Steel, Add	39.87	
	For Galvanized Steel, Add	8.67	
	For High Strength Steel (HSS), Add	5.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0473	LF		4" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	33.95	13.07
			For >100 To 250, Deduct	-1.31	
			For >250 To 500, Deduct	-2.16	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-4.72	
			For 304 Stainless Steel, Add	47.11	
			For Galvanized Steel, Add	10.25	
			For High Strength Steel (HSS), Add	6.79	
05 12 23 00-0474	LF		4" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	36.39	14.00
			For >100 To 250, Deduct	-1.40	
			For >250 To 500, Deduct	-2.31	
			For >500 To 1,000, Deduct	-3.69	
			For >1,000, Deduct	-5.06	
			For 304 Stainless Steel, Add	50.50	
			For Galvanized Steel, Add	10.99	
			For High Strength Steel (HSS), Add	7.28	
05 12 23 00-0475	LF		4" x 4" x 1/2" Thick, Plain Steel Angle Iron .....	39.15	15.07
			For >100 To 250, Deduct	-1.51	
			For >250 To 500, Deduct	-2.49	
			For >500 To 1,000, Deduct	-3.97	
			For >1,000, Deduct	-5.45	
			For 304 Stainless Steel, Add	54.32	
			For Galvanized Steel, Add	11.82	
			For High Strength Steel (HSS), Add	7.83	
05 12 23 00-0476	LF		5" x 3" x 1/2" Thick, Plain Steel Angle Iron .....	39.15	15.07
			For >100 To 250, Deduct	-1.51	
			For >250 To 500, Deduct	-2.49	
			For >500 To 1,000, Deduct	-3.97	
			For >1,000, Deduct	-5.45	
			For 304 Stainless Steel, Add	54.32	
			For Galvanized Steel, Add	11.82	
			For High Strength Steel (HSS), Add	7.83	
05 12 23 00-0477	LF		5" x 3-1/2" x 1/2" Thick, Plain Steel Angle Iron .....	41.59	16.01
			For >100 To 250, Deduct	-1.60	
			For >250 To 500, Deduct	-2.64	
			For >500 To 1,000, Deduct	-4.21	
			For >1,000, Deduct	-5.79	
			For 304 Stainless Steel, Add	57.71	
			For Galvanized Steel, Add	12.56	
			For High Strength Steel (HSS), Add	8.32	
05 12 23 00-0478	LF		5" x 5" x 1/2" Thick, Plain Steel Angle Iron .....	49.55	19.07
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-3.15	
			For >500 To 1,000, Deduct	-5.02	
			For >1,000, Deduct	-6.90	
			For 304 Stainless Steel, Add	68.74	
			For Galvanized Steel, Add	14.95	
			For High Strength Steel (HSS), Add	9.91	
05 12 23 00-0479	LF		6" x 4" x 1/2" Thick, Plain Steel Angle Iron .....	49.55	19.07
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-3.15	
			For >500 To 1,000, Deduct	-5.02	
			For >1,000, Deduct	-6.90	
			For 304 Stainless Steel, Add	68.74	
			For Galvanized Steel, Add	14.95	
			For High Strength Steel (HSS), Add	9.91	
05 12 23 00-0480	LF		6" x 6" x 1/2" Thick, Plain Steel Angle Iron .....	59.93	23.06
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-3.81	
			For >500 To 1,000, Deduct	-6.07	
			For >1,000, Deduct	-8.34	
			For 304 Stainless Steel, Add	83.13	
			For Galvanized Steel, Add	18.09	
			For High Strength Steel (HSS), Add	11.99	
05 12 23 00-0481	LF		7" x 4" x 1/2" Thick, Plain Steel Angle Iron .....	54.72	21.07
			For >100 To 250, Deduct	-2.11	
			For >250 To 500, Deduct	-3.47	
			For >500 To 1,000, Deduct	-5.54	
			For >1,000, Deduct	-7.61	
			For 304 Stainless Steel, Add	75.92	
			For Galvanized Steel, Add	16.52	
			For High Strength Steel (HSS), Add	10.94	
05 12 23 00-0482	LF		8" x 4" x 1/2" Thick, Plain Steel Angle Iron .....	59.93	23.06
			For >100 To 250, Deduct	-2.31	
			For >250 To 500, Deduct	-3.81	
			For >500 To 1,000, Deduct	-6.07	
			For >1,000, Deduct	-8.34	
			For 304 Stainless Steel, Add	83.13	
			For Galvanized Steel, Add	18.09	
			For High Strength Steel (HSS), Add	11.99	
05 12 23 00-0483	LF		8" x 6" x 1/2" Thick, Plain Steel Angle Iron .....	70.35	27.08
			For >100 To 250, Deduct	-2.71	
			For >250 To 500, Deduct	-4.47	
			For >500 To 1,000, Deduct	-7.13	
			For >1,000, Deduct	-9.79	
			For 304 Stainless Steel, Add	97.61	
			For Galvanized Steel, Add	21.24	
			For High Strength Steel (HSS), Add	14.07	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0484	LF	8" x 8" x 1/2" Thick, Plain Steel Angle Iron.....	80.73	31.07
		<i>For &gt;100 To 250, Deduct</i>	-3.11	
		<i>For &gt;250 To 500, Deduct</i>	-5.13	
		<i>For &gt;500 To 1,000, Deduct</i>	-8.18	
		<i>For &gt;1,000, Deduct</i>	-11.23	
		<i>For 304 Stainless Steel, Add</i>	112.01	
		<i>For Galvanized Steel, Add</i>	24.37	
		<i>For High Strength Steel (HSS), Add</i>	16.15	
05 12 23 00-0485		<b>5/8" Thick</b> (05 12 23 00-0393)		
05 12 23 00-0486	LF	4" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	46.40	17.27
		<i>For &gt;100 To 250, Deduct</i>	-1.73	
		<i>For &gt;250 To 500, Deduct</i>	-2.89	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.62	
		<i>For &gt;1,000, Deduct</i>	-6.36	
		<i>For Galvanized Steel, Add</i>	14.49	
		<i>For High Strength Steel (HSS), Add</i>	9.28	
05 12 23 00-0487	LF	5" x 3-1/2" x 5/8" Thick, Plain Steel Angle Iron .....	49.66	18.48
		<i>For &gt;100 To 250, Deduct</i>	-1.85	
		<i>For &gt;250 To 500, Deduct</i>	-3.09	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.95	
		<i>For &gt;1,000, Deduct</i>	-6.80	
		<i>For Galvanized Steel, Add</i>	15.51	
		<i>For High Strength Steel (HSS), Add</i>	9.93	
05 12 23 00-0488	LF	5" x 5" x 5/8" Thick, Plain Steel Angle Iron.....	59.10	22.00
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-3.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.89	
		<i>For &gt;1,000, Deduct</i>	-8.10	
		<i>For Galvanized Steel, Add</i>	18.46	
		<i>For High Strength Steel (HSS), Add</i>	11.82	
05 12 23 00-0489	LF	6" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	59.10	22.00
		<i>For &gt;100 To 250, Deduct</i>	-2.20	
		<i>For &gt;250 To 500, Deduct</i>	-3.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.89	
		<i>For &gt;1,000, Deduct</i>	-8.10	
		<i>For Galvanized Steel, Add</i>	18.46	
		<i>For High Strength Steel (HSS), Add</i>	11.82	
05 12 23 00-0490	LF	6" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	71.52	26.63
		<i>For &gt;100 To 250, Deduct</i>	-2.66	
		<i>For &gt;250 To 500, Deduct</i>	-4.45	
		<i>For &gt;500 To 1,000, Deduct</i>	-7.13	
		<i>For &gt;1,000, Deduct</i>	-9.80	
		<i>For Galvanized Steel, Add</i>	22.34	
		<i>For High Strength Steel (HSS), Add</i>	14.30	
05 12 23 00-0491	LF	7" x 4" x 5/8" Thick, Plain Steel Angle Iron.....	65.31	24.31
		<i>For &gt;100 To 250, Deduct</i>	-2.43	
		<i>For &gt;250 To 500, Deduct</i>	-4.06	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.51	
		<i>For &gt;1,000, Deduct</i>	-8.95	
		<i>For Galvanized Steel, Add</i>	20.40	
		<i>For High Strength Steel (HSS), Add</i>	13.06	
05 12 23 00-0492	LF	8" x 6" x 5/8" Thick, Plain Steel Angle Iron.....	84.22	31.36
		<i>For &gt;100 To 250, Deduct</i>	-3.14	
		<i>For &gt;250 To 500, Deduct</i>	-5.24	
		<i>For &gt;500 To 1,000, Deduct</i>	-8.39	
		<i>For &gt;1,000, Deduct</i>	-11.54	
		<i>For Galvanized Steel, Add</i>	26.30	
		<i>For High Strength Steel (HSS), Add</i>	16.84	
05 12 23 00-0493	LF	8" x 8" x 5/8" Thick, Plain Steel Angle Iron.....	96.65	35.98
		<i>For &gt;100 To 250, Deduct</i>	-3.60	
		<i>For &gt;250 To 500, Deduct</i>	-6.01	
		<i>For &gt;500 To 1,000, Deduct</i>	-9.63	
		<i>For &gt;1,000, Deduct</i>	-13.25	
		<i>For Galvanized Steel, Add</i>	30.18	
		<i>For High Strength Steel (HSS), Add</i>	19.33	
05 12 23 00-0494		<b>3/4" Thick</b> (05 12 23 00-0393)		
05 12 23 00-0495	LF	4" x 4" x 3/4" Thick, Plain Steel Angle Iron.....	53.00	19.09
		<i>For &gt;100 To 250, Deduct</i>	-1.91	
		<i>For &gt;250 To 500, Deduct</i>	-3.23	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.20	
		<i>For &gt;1,000, Deduct</i>	-7.16	
		<i>For Galvanized Steel, Add</i>	17.08	
		<i>For High Strength Steel (HSS), Add</i>	10.60	
05 12 23 00-0496	LF	5" x 3-1/2" x 3/4" Thick, Plain Steel Angle Iron .....	56.70	20.42
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-3.46	
		<i>For &gt;500 To 1,000, Deduct</i>	-5.56	
		<i>For &gt;1,000, Deduct</i>	-7.66	
		<i>For Galvanized Steel, Add</i>	18.27	
		<i>For High Strength Steel (HSS), Add</i>	11.34	
05 12 23 00-0497	LF	5" x 5" x 3/4" Thick, Plain Steel Angle Iron.....	67.59	24.35
		<i>For &gt;100 To 250, Deduct</i>	-2.43	
		<i>For &gt;250 To 500, Deduct</i>	-4.12	
		<i>For &gt;500 To 1,000, Deduct</i>	-6.62	
		<i>For &gt;1,000, Deduct</i>	-9.13	
		<i>For Galvanized Steel, Add</i>	21.79	
		<i>For High Strength Steel (HSS), Add</i>	13.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
05 12 23 00-0498	LF		6" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	67.59	24.35
			For >100 To 250, Deduct	-2.43	
			For >250 To 500, Deduct	-4.12	
			For >500 To 1,000, Deduct	-6.62	
			For >1,000, Deduct	-9.13	
			For Galvanized Steel, Add	21.79	
			For High Strength Steel (HSS), Add	13.52	
05 12 23 00-0499	LF		6" x 6" x 3/4" Thick, Plain Steel Angle Iron .....	82.19	29.59
			For >100 To 250, Deduct	-2.96	
			For >250 To 500, Deduct	-5.02	
			For >500 To 1,000, Deduct	-8.06	
			For >1,000, Deduct	-11.10	
			For Galvanized Steel, Add	26.49	
			For High Strength Steel (HSS), Add	16.44	
05 12 23 00-0500	LF		7" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	75.03	27.03
			For >100 To 250, Deduct	-2.70	
			For >250 To 500, Deduct	-4.58	
			For >500 To 1,000, Deduct	-7.35	
			For >1,000, Deduct	-10.13	
			For Galvanized Steel, Add	24.18	
			For High Strength Steel (HSS), Add	15.01	
05 12 23 00-0501	LF		8" x 4" x 3/4" Thick, Plain Steel Angle Iron .....	82.19	29.59
			For >100 To 250, Deduct	-2.96	
			For >250 To 500, Deduct	-5.02	
			For >500 To 1,000, Deduct	-8.06	
			For >1,000, Deduct	-11.10	
			For Galvanized Steel, Add	26.49	
			For High Strength Steel (HSS), Add	16.44	
05 12 23 00-0502	LF		8" x 6" x 3/4" Thick, Plain Steel Angle Iron .....	96.81	34.85
			For >100 To 250, Deduct	-3.49	
			For >250 To 500, Deduct	-5.91	
			For >500 To 1,000, Deduct	-9.49	
			For >1,000, Deduct	-13.07	
			For Galvanized Steel, Add	31.20	
			For High Strength Steel (HSS), Add	19.36	
05 12 23 00-0503	LF		8" x 8" x 3/4" Thick, Plain Steel Angle Iron .....	111.41	40.11
			For >100 To 250, Deduct	-4.01	
			For >250 To 500, Deduct	-6.80	
			For >500 To 1,000, Deduct	-10.92	
			For >1,000, Deduct	-15.04	
			For Galvanized Steel, Add	35.90	
			For High Strength Steel (HSS), Add	22.28	
<b>05 12 23 00-0504</b>			<b>7/8" Thick</b> <small>(05 12 23 00-0393)</small>		
05 12 23 00-0505	LF		5" x 5" x 7/8" Thick, Plain Steel Angle Iron .....	75.39	26.18
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-4.50	
			For >500 To 1,000, Deduct	-7.26	
			For >1,000, Deduct	-10.02	
			For Galvanized Steel, Add	25.10	
			For High Strength Steel (HSS), Add	15.08	
05 12 23 00-0506	LF		6" x 4" x 7/8" Thick, Plain Steel Angle Iron .....	75.39	26.18
			For >100 To 250, Deduct	-2.62	
			For >250 To 500, Deduct	-4.50	
			For >500 To 1,000, Deduct	-7.26	
			For >1,000, Deduct	-10.02	
			For Galvanized Steel, Add	25.10	
			For High Strength Steel (HSS), Add	15.08	
05 12 23 00-0507	LF		6" x 6" x 7/8" Thick, Plain Steel Angle Iron .....	91.76	31.87
			For >100 To 250, Deduct	-3.19	
			For >250 To 500, Deduct	-5.48	
			For >500 To 1,000, Deduct	-8.84	
			For >1,000, Deduct	-12.19	
			For Galvanized Steel, Add	30.55	
			For High Strength Steel (HSS), Add	18.35	
05 12 23 00-0508	LF		8" x 6" x 7/8" Thick, Plain Steel Angle Iron .....	108.39	37.64
			For >100 To 250, Deduct	-3.76	
			For >250 To 500, Deduct	-6.47	
			For >500 To 1,000, Deduct	-10.44	
			For >1,000, Deduct	-14.40	
			For Galvanized Steel, Add	36.09	
			For High Strength Steel (HSS), Add	21.68	
05 12 23 00-0509	LF		8" x 8" x 7/8" Thick, Plain Steel Angle Iron .....	124.73	43.32
			For >100 To 250, Deduct	-4.33	
			For >250 To 500, Deduct	-7.45	
			For >500 To 1,000, Deduct	-12.01	
			For >1,000, Deduct	-16.57	
			For Galvanized Steel, Add	41.53	
			For High Strength Steel (HSS), Add	24.95	
<b>05 12 23 00-0510</b>			<b>Bar Channel</b> <small>(05 12 23 00-0392)</small>		
05 12 23 00-0511	LF		1" x 1/2" x 1/8" Thick Bar Channel .....	7.40	
			For 304 Stainless Steel, Add	4.62	
			For 316 Stainless Steel, Add	5.18	
			For Aluminum, Add	0.29	
			For Galvanized Steel, Add	1.00	
			For High Strength Steel (HSS), Add	1.48	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0512	LF	1-1/4" x 1/2" x 1/8" Thick Bar Channel.....	8.23	
		For 304 Stainless Steel, Add	5.53	
		For 316 Stainless Steel, Add	6.21	
		For Aluminum, Add	0.35	
		For Galvanized Steel, Add	1.20	
		For High Strength Steel (HSS), Add	1.65	
05 12 23 00-0513	LF	1-1/2" x 1/2" x 1/8" Thick Bar Channel.....	8.95	
		For 304 Stainless Steel, Add	6.13	
		For 316 Stainless Steel, Add	6.88	
		For Aluminum, Add	0.39	
		For Galvanized Steel, Add	1.33	
		For High Strength Steel (HSS), Add	1.79	
05 12 23 00-0514	LF	1-1/2" x 3/4" x 1/8" Thick Bar Channel.....	10.37	
		For 304 Stainless Steel, Add	6.38	
		For 316 Stainless Steel, Add	7.17	
		For Aluminum, Add	0.40	
		For Galvanized Steel, Add	1.39	
		For High Strength Steel (HSS), Add	2.07	
05 12 23 00-0515	LF	2" x 1/2" x 1/8" Thick Bar Channel.....	10.87	
		For 304 Stainless Steel, Add	7.81	
		For 316 Stainless Steel, Add	8.77	
		For Aluminum, Add	0.49	
		For Galvanized Steel, Add	1.70	
05 12 23 00-0516	LF	2" x 1" x 1/8" Thick Bar Channel.....	14.69	
		For 304 Stainless Steel, Add	8.72	
		For 316 Stainless Steel, Add	9.79	
		For Aluminum, Add	0.55	
		For Galvanized Steel, Add	1.90	
05 12 23 00-0517		Channels - C <small>(05 12 23 00-0392)</small>		
05 12 23 00-0518	LF	C2 x 1.78 - 2" Wide Channel.....	12.16	7.18
		For >100 To 250, Deduct	-0.72	
		For >250 To 500, Deduct	-1.02	
		For >500 To 1,000, Deduct	-1.56	
		For >1,000, Deduct	-2.11	
		For 304 Stainless Steel, Add	7.41	
		For 316 Stainless Steel, Add	8.32	
		For Aluminum, Add	0.47	
		For Galvanized Steel, Add	1.61	
05 12 23 00-0519	LF	C3 x 4.1 - 3" Wide Channel.....	19.85	10.31
		For >100 To 250, Deduct	-1.03	
		For >250 To 500, Deduct	-1.53	
		For >500 To 1,000, Deduct	-2.37	
		For >1,000, Deduct	-3.21	
		For 304 Stainless Steel, Add	17.39	
		For 316 Stainless Steel, Add	19.52	
		For Aluminum, Add	1.10	
		For Galvanized Steel, Add	3.78	
05 12 23 00-0520	LF	C3 x 5 - 3" Wide Channel.....	24.22	12.57
		For >100 To 250, Deduct	-1.26	
		For >250 To 500, Deduct	-1.86	
		For >500 To 1,000, Deduct	-2.89	
		For >1,000, Deduct	-3.91	
		For 304 Stainless Steel, Add	21.20	
		For 316 Stainless Steel, Add	23.81	
		For Aluminum, Add	1.34	
		For Galvanized Steel, Add	4.61	
05 12 23 00-0521	LF	C3 x 6 - 3" Wide Channel.....	29.06	15.09
		For >100 To 250, Deduct	-1.51	
		For >250 To 500, Deduct	-2.24	
		For >500 To 1,000, Deduct	-3.47	
		For >1,000, Deduct	-4.70	
		For 304 Stainless Steel, Add	25.45	
		For 316 Stainless Steel, Add	28.58	
		For Aluminum, Add	1.61	
		For Galvanized Steel, Add	5.54	
05 12 23 00-0522	LF	C4 x 5.4 - 4" Wide Channel.....	24.54	12.37
		For >100 To 250, Deduct	-1.24	
		For >250 To 500, Deduct	-1.85	
		For >500 To 1,000, Deduct	-2.88	
		For >1,000, Deduct	-3.90	
		For 304 Stainless Steel, Add	22.91	
		For 316 Stainless Steel, Add	25.73	
		For Aluminum, Add	1.45	
		For Galvanized Steel, Add	4.98	
05 12 23 00-0523	LF	C4 x 7.25 - 4" Wide Channel.....	32.94	16.61
		For >100 To 250, Deduct	-1.66	
		For >250 To 500, Deduct	-2.48	
		For >500 To 1,000, Deduct	-3.86	
		For >1,000, Deduct	-5.24	
		For 304 Stainless Steel, Add	30.75	
		For 316 Stainless Steel, Add	34.53	
		For Aluminum, Add	1.94	
		For Galvanized Steel, Add	6.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0524	LF		C5 x 6.7 - 5" Wide Channel .....	29.23	14.42
			For >100 To 250, Deduct	-1.44	
			For >250 To 500, Deduct	-2.18	
			For >500 To 1,000, Deduct	-3.39	
			For >1,000, Deduct	-4.60	
			For 304 Stainless Steel, Add	28.41	
			For 316 Stainless Steel, Add	31.90	
			For Aluminum, Add	1.79	
			For Galvanized Steel, Add	6.18	
05 12 23 00-0525	LF		C5 x 9 - 5" Wide Channel .....	39.25	19.40
			For >100 To 250, Deduct	-1.94	
			For >250 To 500, Deduct	-2.92	
			For >500 To 1,000, Deduct	-4.55	
			For >1,000, Deduct	-6.18	
			For 304 Stainless Steel, Add	38.19	
			For 316 Stainless Steel, Add	42.88	
			For Aluminum, Add	2.41	
			For Galvanized Steel, Add	8.31	
05 12 23 00-0526	LF		C6 x 8.2 - 6" Wide Channel .....	35.31	17.32
			For >100 To 250, Deduct	-1.73	
			For >250 To 500, Deduct	-2.62	
			For >500 To 1,000, Deduct	-4.08	
			For >1,000, Deduct	-5.54	
			For 304 Stainless Steel, Add	34.80	
			For 316 Stainless Steel, Add	39.07	
			For Aluminum, Add	2.20	
			For Galvanized Steel, Add	7.57	
05 12 23 00-0527	LF		C6 x 10.5 - 6" Wide Channel .....	45.20	22.19
			For >100 To 250, Deduct	-2.22	
			For >250 To 500, Deduct	-3.35	
			For >500 To 1,000, Deduct	-5.22	
			For >1,000, Deduct	-7.09	
			For 304 Stainless Steel, Add	44.55	
			For 316 Stainless Steel, Add	50.02	
			For Aluminum, Add	2.81	
			For Galvanized Steel, Add	9.69	
05 12 23 00-0528	LF		C6 x 13 - 6" Wide Channel .....	55.98	27.46
			For >100 To 250, Deduct	-2.75	
			For >250 To 500, Deduct	-4.15	
			For >500 To 1,000, Deduct	-6.46	
			For >1,000, Deduct	-8.78	
			For 304 Stainless Steel, Add	55.15	
			For 316 Stainless Steel, Add	61.92	
			For Aluminum, Add	3.48	
			For Galvanized Steel, Add	12.00	
05 12 23 00-0529	LF		C7 x 9.8 - 7" Wide Channel .....	42.09	20.63
			For >100 To 250, Deduct	-2.06	
			For >250 To 500, Deduct	-3.11	
			For >500 To 1,000, Deduct	-4.85	
			For >1,000, Deduct	-6.59	
			For 304 Stainless Steel, Add	41.58	
			For 316 Stainless Steel, Add	46.69	
			For Aluminum, Add	2.63	
			For Galvanized Steel, Add	9.05	
05 12 23 00-0530	LF		C7 x 12.25 - 7" Wide Channel .....	52.61	25.78
			For >100 To 250, Deduct	-2.58	
			For >250 To 500, Deduct	-3.89	
			For >500 To 1,000, Deduct	-6.07	
			For >1,000, Deduct	-8.24	
			For 304 Stainless Steel, Add	51.96	
			For 316 Stainless Steel, Add	58.34	
			For Aluminum, Add	3.28	
			For Galvanized Steel, Add	11.30	
05 12 23 00-0531	LF		C7 x 14.75 - 7" Wide Channel .....	63.35	31.04
			For >100 To 250, Deduct	-3.11	
			For >250 To 500, Deduct	-4.69	
			For >500 To 1,000, Deduct	-7.31	
			For >1,000, Deduct	-9.93	
			For 304 Stainless Steel, Add	62.56	
			For 316 Stainless Steel, Add	70.24	
			For Aluminum, Add	3.95	
			For Galvanized Steel, Add	13.61	
05 12 23 00-0532	LF		C8 x 11.5 - 8" Wide Channel .....	47.38	22.69
			For >100 To 250, Deduct	-2.27	
			For >250 To 500, Deduct	-3.45	
			For >500 To 1,000, Deduct	-5.40	
			For >1,000, Deduct	-7.34	
			For 304 Stainless Steel, Add	48.79	
			For 316 Stainless Steel, Add	54.78	
			For Aluminum, Add	3.08	
			For Galvanized Steel, Add	10.61	
05 12 23 00-0533	LF		C8 x 13.75 - 8" Wide Channel .....	56.65	27.14
			For >100 To 250, Deduct	-2.71	
			For >250 To 500, Deduct	-4.13	
			For >500 To 1,000, Deduct	-6.45	
			For >1,000, Deduct	-8.77	
			For 304 Stainless Steel, Add	58.34	
			For 316 Stainless Steel, Add	65.50	
			For Aluminum, Add	3.68	
			For Galvanized Steel, Add	12.69	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0534	LF	C8 x 18.75 - 8" Wide Channel.....	77.23	37.00
		For >100 To 250, Deduct	-3.70	
		For >250 To 500, Deduct	-5.63	
		For >500 To 1,000, Deduct	-8.79	
		For >1,000, Deduct	-11.96	
		For 304 Stainless Steel, Add	79.54	
		For 316 Stainless Steel, Add	89.31	
		For Aluminum, Add	5.02	
		For Galvanized Steel, Add	17.30	
05 12 23 00-0535	LF	C9 x 13.4 - 9" Wide Channel.....	55.21	26.43
		For >100 To 250, Deduct	-2.64	
		For >250 To 500, Deduct	-4.02	
		For >500 To 1,000, Deduct	-6.29	
		For >1,000, Deduct	-8.55	
		For 304 Stainless Steel, Add	56.86	
		For 316 Stainless Steel, Add	63.84	
		For Aluminum, Add	3.59	
		For Galvanized Steel, Add	12.37	
05 12 23 00-0536	LF	C9 x 15 - 9" Wide Channel.....	61.79	29.59
		For >100 To 250, Deduct	-2.96	
		For >250 To 500, Deduct	-4.50	
		For >500 To 1,000, Deduct	-7.04	
		For >1,000, Deduct	-9.57	
		For 304 Stainless Steel, Add	63.64	
		For 316 Stainless Steel, Add	71.46	
		For Aluminum, Add	4.02	
		For Galvanized Steel, Add	13.84	
05 12 23 00-0537	LF	C9 x 20 - 9" Wide Channel.....	82.39	39.46
		For >100 To 250, Deduct	-3.95	
		For >250 To 500, Deduct	-6.01	
		For >500 To 1,000, Deduct	-9.38	
		For >1,000, Deduct	-12.76	
		For 304 Stainless Steel, Add	84.84	
		For 316 Stainless Steel, Add	95.26	
		For Aluminum, Add	5.36	
		For Galvanized Steel, Add	18.46	
05 12 23 00-0538	LF	C10 x 15.3 - 10" Wide Channel.....	63.01	30.18
		For >100 To 250, Deduct	-3.02	
		For >250 To 500, Deduct	-4.59	
		For >500 To 1,000, Deduct	-7.17	
		For >1,000, Deduct	-9.76	
		For 304 Stainless Steel, Add	64.89	
		For 316 Stainless Steel, Add	72.86	
		For Aluminum, Add	4.10	
		For Galvanized Steel, Add	14.12	
05 12 23 00-0539	LF	C10 x 20 - 10" Wide Channel.....	82.39	39.46
		For >100 To 250, Deduct	-3.95	
		For >250 To 500, Deduct	-6.01	
		For >500 To 1,000, Deduct	-9.38	
		For >1,000, Deduct	-12.76	
		For 304 Stainless Steel, Add	84.84	
		For 316 Stainless Steel, Add	95.26	
		For Aluminum, Add	5.36	
		For Galvanized Steel, Add	18.46	
05 12 23 00-0540	LF	C10 x 25 - 10" Wide Channel.....	102.97	49.32
		For >100 To 250, Deduct	-4.93	
		For >250 To 500, Deduct	-7.51	
		For >500 To 1,000, Deduct	-11.72	
		For >1,000, Deduct	-15.94	
		For 304 Stainless Steel, Add	106.05	
		For 316 Stainless Steel, Add	119.07	
		For Aluminum, Add	6.70	
		For Galvanized Steel, Add	23.07	
05 12 23 00-0541	LF	C10 x 30 - 10" Wide Channel.....	123.56	59.18
		For >100 To 250, Deduct	-5.92	
		For >250 To 500, Deduct	-9.01	
		For >500 To 1,000, Deduct	-14.07	
		For >1,000, Deduct	-19.13	
		For 304 Stainless Steel, Add	127.25	
		For 316 Stainless Steel, Add	142.88	
		For Aluminum, Add	8.04	
		For Galvanized Steel, Add	27.68	
05 12 23 00-0542	LF	C12 x 20.7 - 12" Wide Channel.....	85.27	40.85
		For >100 To 250, Deduct	-4.08	
		For >250 To 500, Deduct	-6.22	
		For >500 To 1,000, Deduct	-9.71	
		For >1,000, Deduct	-13.20	
		For 304 Stainless Steel, Add	87.81	
		For 316 Stainless Steel, Add	98.59	
		For Aluminum, Add	5.55	
		For Galvanized Steel, Add	19.10	
05 12 23 00-0543	LF	C12 x 25 - 12" Wide Channel.....	102.97	49.32
		For >100 To 250, Deduct	-4.93	
		For >250 To 500, Deduct	-7.51	
		For >500 To 1,000, Deduct	-11.72	
		For >1,000, Deduct	-15.94	
		For 304 Stainless Steel, Add	106.05	
		For 316 Stainless Steel, Add	119.07	
		For Aluminum, Add	6.70	
		For Galvanized Steel, Add	23.07	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0544	LF	C12 x 30 - 12" Wide Channel .....	123.56	59.18
		For >100 To 250, Deduct	-5.92	
		For >250 To 500, Deduct	-9.01	
		For >500 To 1,000, Deduct	-14.07	
		For >1,000, Deduct	-19.13	
		For 304 Stainless Steel, Add	127.25	
		For 316 Stainless Steel, Add	142.88	
		For Aluminum, Add	8.04	
		For Galvanized Steel, Add	27.68	
05 12 23 00-0545	LF	C15 x 33.9 - 15" Wide Channel .....	139.64	66.88
		For >100 To 250, Deduct	-6.69	
		For >250 To 500, Deduct	-10.18	
		For >500 To 1,000, Deduct	-15.90	
		For >1,000, Deduct	-21.62	
		For 304 Stainless Steel, Add	143.81	
		For 316 Stainless Steel, Add	161.47	
		For Aluminum, Add	9.08	
		For Galvanized Steel, Add	31.29	
05 12 23 00-0546	LF	C15 x 40 - 15" Wide Channel .....	164.76	78.91
		For >100 To 250, Deduct	-7.89	
		For >250 To 500, Deduct	-12.01	
		For >500 To 1,000, Deduct	-18.76	
		For >1,000, Deduct	-25.51	
		For 304 Stainless Steel, Add	169.69	
		For 316 Stainless Steel, Add	190.53	
		For Aluminum, Add	10.72	
		For Galvanized Steel, Add	36.91	
05 12 23 00-0547	LF	C15 x 50 - 15" Wide Channel .....	205.95	98.64
		For >100 To 250, Deduct	-9.86	
		For >250 To 500, Deduct	-15.01	
		For >500 To 1,000, Deduct	-23.45	
		For >1,000, Deduct	-31.89	
		For 304 Stainless Steel, Add	212.10	
		For 316 Stainless Steel, Add	238.14	
		For Aluminum, Add	13.40	
		For Galvanized Steel, Add	46.14	
<b>05 12 23 00-0548</b>		<b>Miscellaneous Channels - MC</b> (05 12 23 00-0392)		
05 12 23 00-0549	LF	MC6 x 12 - 6" Wide Channel .....	51.67	25.36
		For >100 To 250, Deduct	-2.54	
		For >250 To 500, Deduct	-3.83	
		For >500 To 1,000, Deduct	-5.96	
		For >1,000, Deduct	-8.10	
		For 304 Stainless Steel, Add	50.90	
		For 316 Stainless Steel, Add	57.15	
		For Aluminum, Add	3.21	
		For Galvanized Steel, Add	11.07	
05 12 23 00-0550	LF	MC6 x 15.1 - 6" Wide Channel .....	65.02	31.90
		For >100 To 250, Deduct	-3.19	
		For >250 To 500, Deduct	-4.82	
		For >500 To 1,000, Deduct	-7.51	
		For >1,000, Deduct	-10.19	
		For 304 Stainless Steel, Add	64.07	
		For 316 Stainless Steel, Add	71.94	
		For Aluminum, Add	4.05	
		For Galvanized Steel, Add	13.94	
05 12 23 00-0551	LF	MC6 x 15.3 - 6" Wide Channel .....	65.87	32.32
		For >100 To 250, Deduct	-3.23	
		For >250 To 500, Deduct	-4.88	
		For >500 To 1,000, Deduct	-7.60	
		For >1,000, Deduct	-10.33	
		For 304 Stainless Steel, Add	64.89	
		For 316 Stainless Steel, Add	72.86	
		For Aluminum, Add	4.10	
		For Galvanized Steel, Add	14.12	
05 12 23 00-0552	LF	MC6 x 16.3 - 6" Wide Channel .....	70.19	34.44
		For >100 To 250, Deduct	-3.44	
		For >250 To 500, Deduct	-5.20	
		For >500 To 1,000, Deduct	-8.10	
		For >1,000, Deduct	-11.01	
		For 304 Stainless Steel, Add	69.14	
		For 316 Stainless Steel, Add	77.63	
		For Aluminum, Add	4.37	
		For Galvanized Steel, Add	15.04	
05 12 23 00-0553	LF	MC6 x 18 - 6" Wide Channel .....	77.50	38.03
		For >100 To 250, Deduct	-3.80	
		For >250 To 500, Deduct	-5.74	
		For >500 To 1,000, Deduct	-8.95	
		For >1,000, Deduct	-12.15	
		For 304 Stainless Steel, Add	76.35	
		For 316 Stainless Steel, Add	85.73	
		For Aluminum, Add	4.82	
		For Galvanized Steel, Add	16.61	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0554	LF	MC7 x 17.6 - 7" Wide Channel.....	75.59	37.05
		For >100 To 250, Deduct	-3.70	
		For >250 To 500, Deduct	-5.59	
		For >500 To 1,000, Deduct	-8.72	
		For >1,000, Deduct	-11.84	
		For 304 Stainless Steel, Add	74.67	
		For 316 Stainless Steel, Add	83.84	
		For Aluminum, Add	4.72	
		For Galvanized Steel, Add	16.24	
05 12 23 00-0555	LF	MC7 x 19.1 - 7" Wide Channel.....	82.04	40.20
		For >100 To 250, Deduct	-4.02	
		For >250 To 500, Deduct	-6.07	
		For >500 To 1,000, Deduct	-9.46	
		For >1,000, Deduct	-12.85	
		For 304 Stainless Steel, Add	81.03	
		For 316 Stainless Steel, Add	90.98	
		For Aluminum, Add	5.12	
		For Galvanized Steel, Add	17.63	
05 12 23 00-0556	LF	MC7 x 22.7 - 7" Wide Channel.....	97.50	47.78
		For >100 To 250, Deduct	-4.78	
		For >250 To 500, Deduct	-7.22	
		For >500 To 1,000, Deduct	-11.25	
		For >1,000, Deduct	-15.28	
		For 304 Stainless Steel, Add	96.30	
		For 316 Stainless Steel, Add	108.13	
		For Aluminum, Add	6.08	
		For Galvanized Steel, Add	20.95	
05 12 23 00-0557	LF	MC8 x 8.5 - 8" Wide Channel.....	35.02	16.78
		For >100 To 250, Deduct	-1.68	
		For >250 To 500, Deduct	-2.55	
		For >500 To 1,000, Deduct	-3.99	
		For >1,000, Deduct	-5.42	
		For 304 Stainless Steel, Add	36.05	
		For 316 Stainless Steel, Add	40.48	
		For Aluminum, Add	2.28	
		For Galvanized Steel, Add	7.84	
05 12 23 00-0558	LF	MC8 x 18.7 - 8" Wide Channel.....	77.02	36.89
		For >100 To 250, Deduct	-3.69	
		For >250 To 500, Deduct	-5.61	
		For >500 To 1,000, Deduct	-8.77	
		For >1,000, Deduct	-11.93	
		For 304 Stainless Steel, Add	79.32	
		For 316 Stainless Steel, Add	89.06	
		For Aluminum, Add	5.01	
		For Galvanized Steel, Add	17.25	
05 12 23 00-0559	LF	MC8 x 20 - 8" Wide Channel.....	82.39	39.46
		For >100 To 250, Deduct	-3.95	
		For >250 To 500, Deduct	-6.01	
		For >500 To 1,000, Deduct	-9.38	
		For >1,000, Deduct	-12.76	
		For 304 Stainless Steel, Add	84.84	
		For 316 Stainless Steel, Add	95.26	
		For Aluminum, Add	5.36	
		For Galvanized Steel, Add	18.46	
05 12 23 00-0560	LF	MC8 x 21.4 - 8" Wide Channel.....	88.16	42.23
		For >100 To 250, Deduct	-4.22	
		For >250 To 500, Deduct	-6.43	
		For >500 To 1,000, Deduct	-10.04	
		For >1,000, Deduct	-13.65	
		For 304 Stainless Steel, Add	90.77	
		For 316 Stainless Steel, Add	101.92	
		For Aluminum, Add	5.73	
		For Galvanized Steel, Add	19.75	
05 12 23 00-0561	LF	MC8 x 22.8 - 8" Wide Channel.....	93.91	45.00
		For >100 To 250, Deduct	-4.50	
		For >250 To 500, Deduct	-6.85	
		For >500 To 1,000, Deduct	-10.69	
		For >1,000, Deduct	-14.54	
		For 304 Stainless Steel, Add	96.73	
		For 316 Stainless Steel, Add	108.61	
		For Aluminum, Add	6.11	
		For Galvanized Steel, Add	21.04	
05 12 23 00-0562	LF	MC9 x 23.9 - 9" Wide Channel.....	98.44	47.16
		For >100 To 250, Deduct	-4.72	
		For >250 To 500, Deduct	-7.18	
		For >500 To 1,000, Deduct	-11.21	
		For >1,000, Deduct	-15.24	
		For 304 Stainless Steel, Add	101.37	
		For 316 Stainless Steel, Add	113.82	
		For Aluminum, Add	6.40	
		For Galvanized Steel, Add	22.05	
05 12 23 00-0563	LF	MC9 x 25.4 - 9" Wide Channel.....	104.62	50.11
		For >100 To 250, Deduct	-5.01	
		For >250 To 500, Deduct	-7.63	
		For >500 To 1,000, Deduct	-11.91	
		For >1,000, Deduct	-16.20	
		For 304 Stainless Steel, Add	107.76	
		For 316 Stainless Steel, Add	120.99	
		For Aluminum, Add	6.81	
		For Galvanized Steel, Add	23.44	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0564	LF			MC10 x 6.5 - 10" Wide Channel .....	26.77	12.81
				For >100 To 250, Deduct	-1.28	
				For >250 To 500, Deduct	-1.95	
				For >500 To 1,000, Deduct	-3.05	
				For >1,000, Deduct	-4.15	
				For 304 Stainless Steel, Add	27.56	
				For 316 Stainless Steel, Add	30.94	
				For Aluminum, Add	1.74	
				For Galvanized Steel, Add	6.00	
05 12 23 00-0565	LF			MC10 x 8.4 - 10" Wide Channel .....	34.60	16.58
				For >100 To 250, Deduct	-1.66	
				For >250 To 500, Deduct	-2.52	
				For >500 To 1,000, Deduct	-3.94	
				For >1,000, Deduct	-5.36	
				For 304 Stainless Steel, Add	35.63	
				For 316 Stainless Steel, Add	40.00	
				For Aluminum, Add	2.25	
				For Galvanized Steel, Add	7.75	
05 12 23 00-0566	LF			MC10 x 21.9 - 10" Wide Channel .....	90.21	43.21
				For >100 To 250, Deduct	-4.32	
				For >250 To 500, Deduct	-6.58	
				For >500 To 1,000, Deduct	-10.27	
				For >1,000, Deduct	-13.97	
				For 304 Stainless Steel, Add	92.91	
				For 316 Stainless Steel, Add	104.32	
				For Aluminum, Add	5.87	
				For Galvanized Steel, Add	20.21	
05 12 23 00-0567	LF			MC10 x 24.9 - 10" Wide Channel .....	102.57	49.13
				For >100 To 250, Deduct	-4.91	
				For >250 To 500, Deduct	-7.48	
				For >500 To 1,000, Deduct	-11.68	
				For >1,000, Deduct	-15.88	
				For 304 Stainless Steel, Add	105.62	
				For 316 Stainless Steel, Add	118.59	
				For Aluminum, Add	6.67	
				For Galvanized Steel, Add	22.98	
05 12 23 00-0568	LF			MC10 x 25.3 - 10" Wide Channel .....	104.22	49.93
				For >100 To 250, Deduct	-4.99	
				For >250 To 500, Deduct	-7.60	
				For >500 To 1,000, Deduct	-11.87	
				For >1,000, Deduct	-16.14	
				For 304 Stainless Steel, Add	107.33	
				For 316 Stainless Steel, Add	120.51	
				For Aluminum, Add	6.78	
				For Galvanized Steel, Add	23.35	
05 12 23 00-0569	LF			MC10 x 28.3 - 10" Wide Channel .....	116.58	55.83
				For >100 To 250, Deduct	-5.58	
				For >250 To 500, Deduct	-8.50	
				For >500 To 1,000, Deduct	-13.28	
				For >1,000, Deduct	-18.05	
				For 304 Stainless Steel, Add	120.04	
				For 316 Stainless Steel, Add	134.78	
				For Aluminum, Add	7.58	
				For Galvanized Steel, Add	26.11	
05 12 23 00-0570	LF			MC10 x 28.5 - 10" Wide Channel .....	117.39	56.23
				For >100 To 250, Deduct	-5.62	
				For >250 To 500, Deduct	-8.56	
				For >500 To 1,000, Deduct	-13.37	
				For >1,000, Deduct	-18.18	
				For 304 Stainless Steel, Add	120.90	
				For 316 Stainless Steel, Add	135.74	
				For Aluminum, Add	7.64	
				For Galvanized Steel, Add	26.30	
05 12 23 00-0571	LF			MC10 x 33.6 - 10" Wide Channel .....	138.40	66.30
				For >100 To 250, Deduct	-6.63	
				For >250 To 500, Deduct	-10.09	
				For >500 To 1,000, Deduct	-15.76	
				For >1,000, Deduct	-21.43	
				For 304 Stainless Steel, Add	142.53	
				For 316 Stainless Steel, Add	160.03	
				For Aluminum, Add	9.00	
				For Galvanized Steel, Add	31.01	
05 12 23 00-0572	LF			MC10 x 41.1 - 10" Wide Channel .....	169.30	81.09
				For >100 To 250, Deduct	-8.11	
				For >250 To 500, Deduct	-12.34	
				For >500 To 1,000, Deduct	-19.28	
				For >1,000, Deduct	-26.21	
				For 304 Stainless Steel, Add	174.36	
				For 316 Stainless Steel, Add	195.78	
				For Aluminum, Add	11.01	
				For Galvanized Steel, Add	37.93	
05 12 23 00-0573	LF			MC12 x 30.9 - 12" Wide Channel .....	127.28	60.96
				For >100 To 250, Deduct	-6.10	
				For >250 To 500, Deduct	-9.28	
				For >500 To 1,000, Deduct	-14.49	
				For >1,000, Deduct	-19.71	
				For 304 Stainless Steel, Add	131.07	
				For 316 Stainless Steel, Add	147.17	
				For Aluminum, Add	8.28	
				For Galvanized Steel, Add	28.51	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0574	LF	MC12 x 32.9 - 12" Wide Channel.....	135.53	64.91
		For >100 To 250, Deduct	-6.49	
		For >250 To 500, Deduct	-9.88	
		For >500 To 1,000, Deduct	-15.43	
		For >1,000, Deduct	-20.98	
		For 304 Stainless Steel, Add	139.56	
		For 316 Stainless Steel, Add	156.70	
		For Aluminum, Add	8.81	
		For Galvanized Steel, Add	30.36	
05 12 23 00-0575	LF	MC12 x 35 - 12" Wide Channel.....	144.18	69.04
		For >100 To 250, Deduct	-6.91	
		For >250 To 500, Deduct	-10.51	
		For >500 To 1,000, Deduct	-16.42	
		For >1,000, Deduct	-22.32	
		For 304 Stainless Steel, Add	148.49	
		For 316 Stainless Steel, Add	166.72	
		For Aluminum, Add	9.38	
		For Galvanized Steel, Add	32.30	
05 12 23 00-0576	LF	MC12 x 37 - 12" Wide Channel.....	152.41	73.01
		For >100 To 250, Deduct	-7.30	
		For >250 To 500, Deduct	-11.11	
		For >500 To 1,000, Deduct	-17.35	
		For >1,000, Deduct	-23.60	
		For 304 Stainless Steel, Add	156.95	
		For 316 Stainless Steel, Add	176.22	
		For Aluminum, Add	9.91	
		For Galvanized Steel, Add	34.14	
05 12 23 00-0577	LF	MC12 x 40 - 12" Wide Channel.....	164.76	78.91
		For >100 To 250, Deduct	-7.89	
		For >250 To 500, Deduct	-12.01	
		For >500 To 1,000, Deduct	-18.76	
		For >1,000, Deduct	-25.51	
		For 304 Stainless Steel, Add	169.69	
		For 316 Stainless Steel, Add	190.53	
		For Aluminum, Add	10.72	
		For Galvanized Steel, Add	36.91	
05 12 23 00-0578	LF	MC12 x 45 - 12" Wide Channel.....	185.37	88.79
		For >100 To 250, Deduct	-8.88	
		For >250 To 500, Deduct	-13.51	
		For >500 To 1,000, Deduct	-21.11	
		For >1,000, Deduct	-28.70	
		For 304 Stainless Steel, Add	190.89	
		For 316 Stainless Steel, Add	214.34	
		For Aluminum, Add	12.06	
		For Galvanized Steel, Add	41.53	
05 12 23 00-0579	LF	MC12 x 50 - 12" Wide Channel.....	205.95	98.66
		For >100 To 250, Deduct	-9.86	
		For >250 To 500, Deduct	-15.01	
		For >500 To 1,000, Deduct	-23.45	
		For >1,000, Deduct	-31.89	
		For 304 Stainless Steel, Add	212.10	
		For 316 Stainless Steel, Add	238.14	
		For Aluminum, Add	13.40	
		For Galvanized Steel, Add	46.14	
05 12 23 00-0580	LF	MC13 x 31.8 - 13" Wide Channel.....	130.99	62.74
		For >100 To 250, Deduct	-6.27	
		For >250 To 500, Deduct	-9.55	
		For >500 To 1,000, Deduct	-14.92	
		For >1,000, Deduct	-20.28	
		For 304 Stainless Steel, Add	134.89	
		For 316 Stainless Steel, Add	151.46	
		For Aluminum, Add	8.52	
		For Galvanized Steel, Add	29.34	
05 12 23 00-0581	LF	MC13 x 35 - 13" Wide Channel.....	144.18	69.04
		For >100 To 250, Deduct	-6.91	
		For >250 To 500, Deduct	-10.51	
		For >500 To 1,000, Deduct	-16.42	
		For >1,000, Deduct	-22.32	
		For 304 Stainless Steel, Add	148.49	
		For 316 Stainless Steel, Add	166.72	
		For Aluminum, Add	9.38	
		For Galvanized Steel, Add	32.30	
05 12 23 00-0582	LF	MC13 x 40 - 13" Wide Channel.....	164.76	78.91
		For >100 To 250, Deduct	-7.89	
		For >250 To 500, Deduct	-12.01	
		For >500 To 1,000, Deduct	-18.76	
		For >1,000, Deduct	-25.51	
		For 304 Stainless Steel, Add	169.69	
		For 316 Stainless Steel, Add	190.53	
		For Aluminum, Add	10.72	
		For Galvanized Steel, Add	36.91	
05 12 23 00-0583	LF	MC13 x 50 - 13" Wide Channel.....	205.95	98.66
		For >100 To 250, Deduct	-9.86	
		For >250 To 500, Deduct	-15.01	
		For >500 To 1,000, Deduct	-23.45	
		For >1,000, Deduct	-31.89	
		For 304 Stainless Steel, Add	212.10	
		For 316 Stainless Steel, Add	238.14	
		For Aluminum, Add	13.40	
		For Galvanized Steel, Add	46.14	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0584	LF	MC18 x 42.7 - 18" Wide Channel .....	175.90	84.24
		For >100 To 250, Deduct	-8.43	
		For >250 To 500, Deduct	-12.82	
		For >500 To 1,000, Deduct	-20.03	
		For >1,000, Deduct	-27.24	
		For 304 Stainless Steel, Add	181.15	
		For 316 Stainless Steel, Add	203.39	
		For Aluminum, Add	11.44	
		For Galvanized Steel, Add	39.41	
05 12 23 00-0585	LF	MC18 x 45.8 - 18" Wide Channel .....	188.64	90.37
		For >100 To 250, Deduct	-9.04	
		For >250 To 500, Deduct	-13.75	
		For >500 To 1,000, Deduct	-21.48	
		For >1,000, Deduct	-29.21	
		For 304 Stainless Steel, Add	194.28	
		For 316 Stainless Steel, Add	218.14	
		For Aluminum, Add	12.27	
		For Galvanized Steel, Add	42.27	
05 12 23 00-0586	LF	MC18 x 51.9 - 18" Wide Channel .....	213.79	102.40
		For >100 To 250, Deduct	-10.24	
		For >250 To 500, Deduct	-15.59	
		For >500 To 1,000, Deduct	-24.34	
		For >1,000, Deduct	-33.10	
		For 304 Stainless Steel, Add	220.16	
		For 316 Stainless Steel, Add	247.20	
		For Aluminum, Add	13.91	
		For Galvanized Steel, Add	47.90	
05 12 23 00-0587	LF	MC18 x 58 - 18" Wide Channel .....	238.91	114.42
		For >100 To 250, Deduct	-11.44	
		For >250 To 500, Deduct	-17.42	
		For >500 To 1,000, Deduct	-27.20	
		For >1,000, Deduct	-36.99	
		For 304 Stainless Steel, Add	246.04	
		For 316 Stainless Steel, Add	276.26	
		For Aluminum, Add	15.54	
		For Galvanized Steel, Add	53.52	
<b>05 12 23 00-0588</b>		<b>Structural Bar Tees (05 12 23 00-0392)</b>		
05 12 23 00-0589	LF	3/4" x 3/4" x 1/8" Structural Bar Tee .....	8.20	5.24
		For >100 To 250, Deduct	-0.53	
		For >250 To 500, Deduct	-0.73	
		For >500 To 1,000, Deduct	-1.11	
		For >1,000, Deduct	-1.49	
		For 304 Stainless Steel, Add	3.42	
		For 316 Stainless Steel, Add	3.84	
		For Aluminum, Add	0.22	
		For Galvanized Steel, Add	0.74	
05 12 23 00-0590	LF	1" x 1" x 1/8" Structural Bar Tee .....	9.89	6.18
		For >100 To 250, Deduct	-0.62	
		For >250 To 500, Deduct	-0.87	
		For >500 To 1,000, Deduct	-1.32	
		For >1,000, Deduct	-1.77	
		For 304 Stainless Steel, Add	4.70	
		For 316 Stainless Steel, Add	5.28	
		For Aluminum, Add	0.30	
		For Galvanized Steel, Add	1.02	
05 12 23 00-0591	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee .....	14.25	7.15
		For >100 To 250, Deduct	-0.71	
		For >250 To 500, Deduct	-1.07	
		For >500 To 1,000, Deduct	-1.67	
		For >1,000, Deduct	-2.26	
		For 304 Stainless Steel, Add	13.45	
		For 316 Stainless Steel, Add	15.10	
		For Aluminum, Add	0.85	
		For Galvanized Steel, Add	2.93	
05 12 23 00-0592	LF	2" x 2" x 1/4" Structural Bar Tee .....	19.49	9.35
		For >100 To 250, Deduct	-0.93	
		For >250 To 500, Deduct	-1.42	
		For >500 To 1,000, Deduct	-2.22	
		For >1,000, Deduct	-3.02	
		For 304 Stainless Steel, Add	20.04	
		For 316 Stainless Steel, Add	22.50	
		For Aluminum, Add	1.27	
		For Galvanized Steel, Add	4.36	
05 12 23 00-0593	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee .....	27.66	11.27
		For >100 To 250, Deduct	-1.13	
		For >250 To 500, Deduct	-1.82	
		For >500 To 1,000, Deduct	-2.89	
		For >1,000, Deduct	-3.95	
		For 304 Stainless Steel, Add	35.97	
		For 316 Stainless Steel, Add	40.38	
		For Aluminum, Add	2.27	
		For Galvanized Steel, Add	7.82	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0594	LF	3" x 3" x 3/8" Structural Bar Tee .....	34.41	14.43
		<i>For &gt;100 To 250, Deduct</i>	-1.44	
		<i>For &gt;250 To 500, Deduct</i>	-2.30	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.65	
		<i>For &gt;1,000, Deduct</i>	-4.99	
		<i>For 304 Stainless Steel, Add</i>	43.18	
		<i>For 316 Stainless Steel, Add</i>	48.48	
		<i>For Aluminum, Add</i>	2.73	
		<i>For Galvanized Steel, Add</i>	9.39	

**05 12 23 00-0595 Structural Zees** (05 12 23 00-0392)

05 12 23 00-0596	LF	1-1/4" x 1-3/4" x 1-3/4" x 3/16" Structural Zee.....	16.57	7.15
		<i>For &gt;100 To 250, Deduct</i>	-0.71	
		<i>For &gt;250 To 500, Deduct</i>	-1.13	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.78	
		<i>For &gt;1,000, Deduct</i>	-2.43	
		<i>For 304 Stainless Steel, Add</i>	20.06	
		<i>For 316 Stainless Steel, Add</i>	22.53	
		<i>For Aluminum, Add</i>	1.27	
		<i>For Galvanized Steel, Add</i>	4.36	
05 12 23 00-0597	LF	2-11/16" x 3" x 2-11/16" x 1/4" Structural Zee.....	28.20	8.53
		<i>For &gt;100 To 250, Deduct</i>	-0.85	
		<i>For &gt;250 To 500, Deduct</i>	-1.56	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.55	
		<i>For &gt;1,000, Deduct</i>	-3.54	
		<i>For 304 Stainless Steel, Add</i>	47.99	
		<i>For 316 Stainless Steel, Add</i>	53.89	
		<i>For Aluminum, Add</i>	3.03	
		<i>For Galvanized Steel, Add</i>	10.44	
05 12 23 00-0598	LF	3-1/16" x 4" x 3-1/16" x 1/4" Structural Zee.....	33.44	9.62
		<i>For &gt;100 To 250, Deduct</i>	-0.96	
		<i>For &gt;250 To 500, Deduct</i>	-1.80	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.96	
		<i>For &gt;1,000, Deduct</i>	-4.11	
		<i>For 304 Stainless Steel, Add</i>	58.74	
		<i>For 316 Stainless Steel, Add</i>	65.95	
		<i>For Aluminum, Add</i>	3.71	
		<i>For Galvanized Steel, Add</i>	12.78	
05 12 23 00-0599	LF	3-1/4" x 5" x 3-1/4" x 5/16" Structural Zee.....	43.82	11.00
		<i>For &gt;100 To 250, Deduct</i>	-1.10	
		<i>For &gt;250 To 500, Deduct</i>	-2.20	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.66	
		<i>For &gt;1,000, Deduct</i>	-5.12	
		<i>For 304 Stainless Steel, Add</i>	83.08	
		<i>For 316 Stainless Steel, Add</i>	93.28	
		<i>For Aluminum, Add</i>	5.25	
		<i>For Galvanized Steel, Add</i>	18.07	
05 12 23 00-0600	LF	3-1/2" x 6" x 3-1/2" x 3/8" Structural Zee.....	55.41	11.97
		<i>For &gt;100 To 250, Deduct</i>	-1.20	
		<i>For &gt;250 To 500, Deduct</i>	-2.58	
		<i>For &gt;500 To 1,000, Deduct</i>	-4.37	
		<i>For &gt;1,000, Deduct</i>	-6.15	
		<i>For 304 Stainless Steel, Add</i>	112.46	
		<i>For 316 Stainless Steel, Add</i>	126.27	
		<i>For Aluminum, Add</i>	7.10	
		<i>For Galvanized Steel, Add</i>	24.47	

**05 12 23 00-0601 Junior I-Beams** (05 12 23 00-0392)

05 12 23 00-0602	LF	3" Junior I-Beam, 2.9 LB/LF.....	23.03	10.31
		<i>For &gt;100 To 250, Deduct</i>	-1.03	
		<i>For &gt;250 To 500, Deduct</i>	-1.61	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.53	
		<i>For &gt;1,000, Deduct</i>	-3.45	
		<i>For 304 Stainless Steel, Add</i>	26.45	
		<i>For 316 Stainless Steel, Add</i>	29.70	
		<i>For Aluminum, Add</i>	1.67	
		<i>For Galvanized Steel, Add</i>	5.75	
05 12 23 00-0603	LF	4" Junior I-Beam, 3.2 LB/LF.....	25.28	11.27
		<i>For &gt;100 To 250, Deduct</i>	-1.13	
		<i>For &gt;250 To 500, Deduct</i>	-1.76	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.77	
		<i>For &gt;1,000, Deduct</i>	-3.78	
		<i>For 304 Stainless Steel, Add</i>	29.18	
		<i>For 316 Stainless Steel, Add</i>	32.77	
		<i>For Aluminum, Add</i>	1.84	
		<i>For Galvanized Steel, Add</i>	6.35	
05 12 23 00-0604	LF	5" Junior I-Beam, 3.8 LB/LF.....	28.65	12.37
		<i>For &gt;100 To 250, Deduct</i>	-1.24	
		<i>For &gt;250 To 500, Deduct</i>	-1.95	
		<i>For &gt;500 To 1,000, Deduct</i>	-3.08	
		<i>For &gt;1,000, Deduct</i>	-4.21	
		<i>For 304 Stainless Steel, Add</i>	34.63	
		<i>For 316 Stainless Steel, Add</i>	38.88	
		<i>For Aluminum, Add</i>	2.19	
		<i>For Galvanized Steel, Add</i>	7.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0605	LF		6" Junior I-Beam, 4.4 LB/LF.....	32.04	13.48
			For >100 To 250, Deduct	-1.35	
			For >250 To 500, Deduct	-2.15	
			For >500 To 1,000, Deduct	-3.40	
			For >1,000, Deduct	-4.65	
			For 304 Stainless Steel, Add	40.10	
			For 316 Stainless Steel, Add	45.02	
			For Aluminum, Add	2.53	
			For Galvanized Steel, Add	8.72	
05 12 23 00-0606	LF		7" Junior I-Beam, 5.5 LB/LF.....	36.84	14.43
			For >100 To 250, Deduct	-1.44	
			For >250 To 500, Deduct	-2.36	
			For >500 To 1,000, Deduct	-3.77	
			For >1,000, Deduct	-5.17	
			For 304 Stainless Steel, Add	50.13	
			For 316 Stainless Steel, Add	56.29	
			For Aluminum, Add	3.17	
			For Galvanized Steel, Add	10.91	
05 12 23 00-0607	LF		8" Junior I-Beam, 6.5 LB/LF.....	41.33	15.40
			For >100 To 250, Deduct	-1.54	
			For >250 To 500, Deduct	-2.57	
			For >500 To 1,000, Deduct	-4.12	
			For >1,000, Deduct	-5.67	
			For 304 Stainless Steel, Add	59.25	
			For 316 Stainless Steel, Add	66.53	
			For Aluminum, Add	3.74	
			For Galvanized Steel, Add	12.89	
05 12 23 00-0608	LF		10" Junior I-Beam, 9 LB/LF.....	52.25	17.61
			For >100 To 250, Deduct	-1.76	
			For >250 To 500, Deduct	-3.07	
			For >500 To 1,000, Deduct	-4.96	
			For >1,000, Deduct	-6.85	
			For 304 Stainless Steel, Add	82.05	
			For 316 Stainless Steel, Add	92.13	
			For Aluminum, Add	5.18	
			For Galvanized Steel, Add	17.85	
05 12 23 00-0609	LF		12" Junior I-Beam, 11.8 LB/LF.....	65.61	20.90
			For >100 To 250, Deduct	-2.09	
			For >250 To 500, Deduct	-3.73	
			For >500 To 1,000, Deduct	-6.07	
			For >1,000, Deduct	-8.40	
			For 304 Stainless Steel, Add	107.56	
			For 316 Stainless Steel, Add	120.77	
			For Aluminum, Add	6.79	
			For Galvanized Steel, Add	23.40	
<b>05 12 23 00-0610</b>			<b>Round Stock</b> <small>(05 12 23 00-0392)</small>		
05 12 23 00-0611	LF		1/4" Carbon Steel Rounds, ASTM A108.....	3.40	
			For 304 Stainless Steel, Add	4.47	
			For 316 Stainless Steel, Add	5.02	
			For Aluminum, Add	0.28	
			For Galvanized Steel, Add	0.97	
05 12 23 00-0612	LF		3/8" Carbon Steel Rounds, ASTM A108.....	5.18	
			For 304 Stainless Steel, Add	8.84	
			For 316 Stainless Steel, Add	9.92	
			For Aluminum, Add	0.56	
			For Galvanized Steel, Add	1.92	
05 12 23 00-0613	LF		1/2" Carbon Steel Rounds, ASTM A108.....	7.02	
			For 304 Stainless Steel, Add	13.45	
			For 316 Stainless Steel, Add	15.10	
			For Aluminum, Add	0.85	
			For Galvanized Steel, Add	2.93	
05 12 23 00-0614	LF		5/8" Carbon Steel Rounds, ASTM A108.....	10.42	
			For 304 Stainless Steel, Add	22.43	
			For 316 Stainless Steel, Add	25.18	
			For Aluminum, Add	1.42	
			For Galvanized Steel, Add	4.88	
05 12 23 00-0615	LF		3/4" Carbon Steel Rounds, ASTM A108.....	12.41	
			For 304 Stainless Steel, Add	26.65	
			For 316 Stainless Steel, Add	29.92	
			For Aluminum, Add	1.68	
			For Galvanized Steel, Add	5.80	
05 12 23 00-0616	LF		7/8" Carbon Steel Rounds, ASTM A108.....	14.44	
			For 304 Stainless Steel, Add	31.12	
			For 316 Stainless Steel, Add	34.94	
			For Aluminum, Add	1.97	
			For Galvanized Steel, Add	6.77	
05 12 23 00-0617	LF		1" Carbon Steel Rounds, ASTM A108.....	20.81	
			For 304 Stainless Steel, Add	47.42	
			For 316 Stainless Steel, Add	53.25	
			For Aluminum, Add	3.00	
			For Galvanized Steel, Add	10.32	
05 12 23 00-0618	LF		1-1/8" Carbon Steel Rounds, ASTM A108.....	25.31	
			For 304 Stainless Steel, Add	57.63	
			For 316 Stainless Steel, Add	64.70	
			For Aluminum, Add	3.64	
			For Galvanized Steel, Add	12.54	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 12 23 00-0619	LF 1-1/4" Carbon Steel Rounds, ASTM A108	30.34	
	For 304 Stainless Steel, Add	67.83	
	For 316 Stainless Steel, Add	76.16	
	For Aluminum, Add	4.28	
	For Galvanized Steel, Add	14.76	
05 12 23 00-0620	LF 1-3/8" Carbon Steel Rounds, ASTM A108	36.68	
	For 304 Stainless Steel, Add	82.76	
	For 316 Stainless Steel, Add	92.93	
	For Aluminum, Add	5.23	
	For Galvanized Steel, Add	18.00	
05 12 23 00-0621	LF 1-1/2" Carbon Steel Rounds, ASTM A108	41.03	
	For 304 Stainless Steel, Add	90.80	
	For 316 Stainless Steel, Add	101.95	
	For Aluminum, Add	5.73	
	For Galvanized Steel, Add	19.75	
05 12 23 00-0622	LF 1-5/8" Carbon Steel Rounds, ASTM A108	47.56	
	For 304 Stainless Steel, Add	102.89	
	For 316 Stainless Steel, Add	115.52	
	For Aluminum, Add	6.50	
	For Galvanized Steel, Add	22.38	
05 12 23 00-0623	LF 1-3/4" Carbon Steel Rounds, ASTM A108	57.29	
	For 304 Stainless Steel, Add	119.73	
	For 316 Stainless Steel, Add	134.43	
	For Aluminum, Add	7.56	
	For Galvanized Steel, Add	26.05	
05 12 23 00-0624	LF 1-7/8" Carbon Steel Rounds, ASTM A108	69.38	
	For 304 Stainless Steel, Add	140.25	
	For 316 Stainless Steel, Add	157.47	
	For Aluminum, Add	8.86	
	For Galvanized Steel, Add	30.51	
05 12 23 00-0625	LF 2" Carbon Steel Rounds, ASTM A108	79.39	
	For 304 Stainless Steel, Add	156.04	
	For 316 Stainless Steel, Add	175.20	
	For Aluminum, Add	9.86	
	For Galvanized Steel, Add	33.95	
05 12 23 00-0626	LF 2-1/8" Carbon Steel Rounds, ASTM A108	93.12	
	For 304 Stainless Steel, Add	178.18	
	For 316 Stainless Steel, Add	200.06	
	For Aluminum, Add	11.25	
	For Galvanized Steel, Add	38.76	
05 12 23 00-0627	LF 2-1/4" Carbon Steel Rounds, ASTM A108	105.48	
	For 304 Stainless Steel, Add	200.33	
	For 316 Stainless Steel, Add	224.93	
	For Aluminum, Add	12.65	
	For Galvanized Steel, Add	43.58	
05 12 23 00-0628	LF 2-3/8" Carbon Steel Rounds, ASTM A108	120.86	
	For 304 Stainless Steel, Add	229.14	
	For 316 Stainless Steel, Add	257.28	
	For Aluminum, Add	14.47	
	For Galvanized Steel, Add	49.85	
05 12 23 00-0629	LF 2-1/2" Carbon Steel Rounds, ASTM A108	134.16	
	For 304 Stainless Steel, Add	246.95	
	For 316 Stainless Steel, Add	277.28	
	For Aluminum, Add	15.60	
	For Galvanized Steel, Add	53.72	
05 12 23 00-0630	LF 2-5/8" Carbon Steel Rounds, ASTM A108	162.85	
	For 304 Stainless Steel, Add	313.67	
	For 316 Stainless Steel, Add	352.19	
	For Aluminum, Add	19.81	
	For Galvanized Steel, Add	68.24	
05 12 23 00-0631	LF 2-3/4" Carbon Steel Rounds, ASTM A108	185.34	
	For 304 Stainless Steel, Add	357.70	
	For 316 Stainless Steel, Add	401.63	
	For Aluminum, Add	22.59	
	For Galvanized Steel, Add	77.82	
05 12 23 00-0632	LF 2-7/8" Carbon Steel Rounds, ASTM A108	206.74	
	For 304 Stainless Steel, Add	398.63	
	For 316 Stainless Steel, Add	447.58	
	For Aluminum, Add	25.18	
	For Galvanized Steel, Add	86.72	
05 12 23 00-0633	LF 3" Carbon Steel Rounds, ASTM A108	217.98	
	For 304 Stainless Steel, Add	410.60	
	For 316 Stainless Steel, Add	461.02	
	For Aluminum, Add	25.93	
	For Galvanized Steel, Add	89.32	
05 12 23 00-0634	LF 3-1/8" Carbon Steel Rounds, ASTM A108	228.21	
	For 304 Stainless Steel, Add	419.69	
	For 316 Stainless Steel, Add	471.23	
	For Aluminum, Add	26.51	
	For Galvanized Steel, Add	91.30	
05 12 23 00-0635	LF 3-1/4" Carbon Steel Rounds, ASTM A108	241.26	
	For 304 Stainless Steel, Add	436.82	
	For 316 Stainless Steel, Add	490.46	
	For Aluminum, Add	27.59	
	For Galvanized Steel, Add	95.03	
05 12 23 00-0636	LF 3-1/2" Carbon Steel Rounds, ASTM A108	291.25	
	For 304 Stainless Steel, Add	554.24	
	For 316 Stainless Steel, Add	622.30	
	For Aluminum, Add	35.00	
	For Galvanized Steel, Add	120.57	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
	05 12 23 00-0637	LF		3-5/8" Carbon Steel Rounds, ASTM A108.....	323.13	
				For 304 Stainless Steel, Add	620.02	
				For 316 Stainless Steel, Add	696.16	
				For Aluminum, Add	39.16	
				For Galvanized Steel, Add	134.88	
	05 12 23 00-0638	LF		3-3/4" Carbon Steel Rounds, ASTM A108.....	347.10	
				For 304 Stainless Steel, Add	663.25	
				For 316 Stainless Steel, Add	744.70	
				For Aluminum, Add	41.89	
				For Galvanized Steel, Add	144.29	
	05 12 23 00-0639	LF		4" Carbon Steel Rounds, ASTM A108.....	388.13	
				For 304 Stainless Steel, Add	755.11	
				For 316 Stainless Steel, Add	847.84	
				For Aluminum, Add	47.69	
				For Galvanized Steel, Add	164.27	
	<b>05 12 23 00-0640</b>			<b>Square Stock</b> (05 12 23 00-0392)		
	05 12 23 00-0641	LF		3/8" Square Bar Stock.....	2.79	
				For 304 Stainless Steel, Add	2.02	
				For 316 Stainless Steel, Add	2.27	
				For Aluminum, Add	0.13	
				For Galvanized Steel, Add	0.44	
	05 12 23 00-0642	LF		1/2" Square Bar Stock.....	3.56	
				For 304 Stainless Steel, Add	3.59	
				For 316 Stainless Steel, Add	4.03	
				For Aluminum, Add	0.23	
				For Galvanized Steel, Add	0.78	
	05 12 23 00-0643	LF		5/8" Square Bar Stock.....	4.51	
				For 304 Stainless Steel, Add	5.59	
				For 316 Stainless Steel, Add	6.27	
				For Aluminum, Add	0.35	
				For Galvanized Steel, Add	1.22	
	05 12 23 00-0644	LF		3/4" Square Bar Stock.....	5.89	
				For 304 Stainless Steel, Add	8.07	
				For 316 Stainless Steel, Add	9.06	
				For Aluminum, Add	0.51	
				For Galvanized Steel, Add	1.75	
	05 12 23 00-0645	LF		7/8" Square Bar Stock.....	7.47	
				For 304 Stainless Steel, Add	11.26	
				For 316 Stainless Steel, Add	12.64	
				For Aluminum, Add	0.71	
				For Galvanized Steel, Add	2.45	
	05 12 23 00-0646	LF		1" Square Bar Stock.....	9.22	
				For 304 Stainless Steel, Add	14.39	
				For 316 Stainless Steel, Add	16.16	
				For Aluminum, Add	0.91	
				For Galvanized Steel, Add	3.13	
	05 12 23 00-0647	LF		1-1/4" Square Bar Stock.....	14.42	
				For 304 Stainless Steel, Add	22.46	
				For 316 Stainless Steel, Add	25.22	
				For Aluminum, Add	1.42	
				For Galvanized Steel, Add	4.89	
	05 12 23 00-0648	LF		1-1/2" Square Bar Stock.....	20.52	
				For 304 Stainless Steel, Add	32.35	
				For 316 Stainless Steel, Add	36.32	
				For Aluminum, Add	2.04	
				For Galvanized Steel, Add	7.04	
	05 12 23 00-0649	LF		1-3/4" Square Bar Stock.....	31.07	
				For 304 Stainless Steel, Add	45.00	
				For 316 Stainless Steel, Add	50.53	
				For Aluminum, Add	2.84	
				For Galvanized Steel, Add	9.79	
	05 12 23 00-0650	LF		2" Square Bar Stock.....	45.87	
				For 304 Stainless Steel, Add	57.57	
				For 316 Stainless Steel, Add	64.64	
				For Aluminum, Add	3.64	
				For Galvanized Steel, Add	12.52	
	<b>05 12 23 00-0651</b>			<b>Steel Tubing</b> (05 12 23 00-0392)		
				Note: General purpose low-carbon steel.		
	<b>05 12 23 00-0652</b>			<b>Square Steel Tubing</b> (05 12 23 00-0651)		
	<b>05 12 23 00-0653</b>			<b>0.06" Wall Thickness</b> (05 12 23 00-0652)		
	05 12 23 00-0654	LF		1/2" x 1/2" x 0.06" Square Steel Tubing.....	3.18	0.99
				For >100 To 250, Deduct	-0.10	
				For >250 To 500, Deduct	-0.18	
				For >500 To 1,000, Deduct	-0.29	
				For >1,000, Deduct	-0.40	
				For Galvanized Steel, Add	1.15	
	05 12 23 00-0655	LF		3/4" x 3/4" x 0.06" Square Steel Tubing.....	4.89	1.55
				For >100 To 250, Deduct	-0.15	
				For >250 To 500, Deduct	-0.28	
				For >500 To 1,000, Deduct	-0.45	
				For >1,000, Deduct	-0.62	
				For Galvanized Steel, Add	1.75	

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0656	LF 1" x 1" x 0.06" Square Steel Tubing.....	6.60	2.82
	For >100 To 250, Deduct	-0.21	
	For >250 To 500, Deduct	-0.38	
	For >500 To 1,000, Deduct	-0.61	
	For >1,000, Deduct	-0.85	
	For Galvanized Steel, Add	2.34	
05 12 23 00-0657	LF 1-1/4" x 1-1/4" x 0.06" Square Steel Tubing.....	8.65	2.68
	For >100 To 250, Deduct	-0.27	
	For >250 To 500, Deduct	-0.48	
	For >500 To 1,000, Deduct	-0.79	
	For >1,000, Deduct	-1.09	
	For Galvanized Steel, Add	3.16	
05 12 23 00-0658	LF 1-1/2" x 1-1/2" x 0.06" Square Steel Tubing.....	10.29	3.23
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.58	
	For >500 To 1,000, Deduct	-0.95	
	For >1,000, Deduct	-1.31	
	For Galvanized Steel, Add	3.71	
<b>05 12 23 00-0659</b>	<b>0.083" Wall Thickness (05 12 23 00-0652)</b>		
05 12 23 00-0660	LF 3/4" x 3/4" x 0.083" Square Steel Tubing.....	5.70	1.81
	For >100 To 250, Deduct	-0.18	
	For >250 To 500, Deduct	-0.32	
	For >500 To 1,000, Deduct	-0.53	
	For >1,000, Deduct	-0.73	
	For Galvanized Steel, Add	2.03	
05 12 23 00-0661	LF 1" x 1" x 0.083" Square Steel Tubing.....	8.22	2.50
	For >100 To 250, Deduct	-0.25	
	For >250 To 500, Deduct	-0.45	
	For >500 To 1,000, Deduct	-0.74	
	For >1,000, Deduct	-1.03	
	For Galvanized Steel, Add	3.04	
05 12 23 00-0662	LF 1-1/4" x 1-1/4" x 0.083" Square Steel Tubing.....	10.02	3.17
	For >100 To 250, Deduct	-0.32	
	For >250 To 500, Deduct	-0.57	
	For >500 To 1,000, Deduct	-0.92	
	For >1,000, Deduct	-1.28	
	For Galvanized Steel, Add	3.59	
05 12 23 00-0663	LF 1-1/2" x 1-1/2" x 0.083" Square Steel Tubing.....	12.12	3.86
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.69	
	For >500 To 1,000, Deduct	-1.12	
	For >1,000, Deduct	-1.55	
	For Galvanized Steel, Add	4.33	
05 12 23 00-0664	LF 2" x 2" x 0.083" Square Steel Tubing.....	15.63	5.13
	For >100 To 250, Deduct	-0.51	
	For >250 To 500, Deduct	-0.90	
	For >500 To 1,000, Deduct	-1.47	
	For >1,000, Deduct	-2.03	
	For Galvanized Steel, Add	5.45	
<b>05 12 23 00-0665</b>	<b>0.12" Wall Thickness (05 12 23 00-0652)</b>		
05 12 23 00-0666	LF 1" x 1" x 0.12" Square Steel Tubing.....	9.19	2.97
	For >100 To 250, Deduct	-0.30	
	For >250 To 500, Deduct	-0.53	
	For >500 To 1,000, Deduct	-0.86	
	For >1,000, Deduct	-1.18	
	For Galvanized Steel, Add	3.24	
05 12 23 00-0667	LF 1-1/4" x 1-1/4" x 0.12" Square Steel Tubing.....	11.82	3.80
	For >100 To 250, Deduct	-0.38	
	For >250 To 500, Deduct	-0.68	
	For >500 To 1,000, Deduct	-1.10	
	For >1,000, Deduct	-1.52	
	For Galvanized Steel, Add	4.19	
05 12 23 00-0668	LF 1-1/2" x 1-1/2" x 0.12" Square Steel Tubing.....	14.50	4.65
	For >100 To 250, Deduct	-0.47	
	For >250 To 500, Deduct	-0.83	
	For >500 To 1,000, Deduct	-1.35	
	For >1,000, Deduct	-1.86	
	For Galvanized Steel, Add	5.15	
05 12 23 00-0669	LF 2" x 2" x 0.12" Square Steel Tubing.....	19.65	6.33
	For >100 To 250, Deduct	-0.63	
	For >250 To 500, Deduct	-1.13	
	For >500 To 1,000, Deduct	-1.83	
	For >1,000, Deduct	-2.53	
	For Galvanized Steel, Add	6.94	
<b>05 12 23 00-0670</b>	<b>1/8" Wall Thickness (05 12 23 00-0652)</b>		
05 12 23 00-0671	LF 2" x 2" x 1/8" Square Steel Tubing.....	18.12	6.58
	For >100 To 250, Deduct	-0.66	
	For >250 To 500, Deduct	-1.11	
	For >500 To 1,000, Deduct	-1.78	
	For >1,000, Deduct	-2.46	
	For Galvanized Steel, Add	5.79	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
05 12 23 00-0672	LF	2-1/2" x 2-1/2" x 1/8" Square Steel Tubing .....	23.72	8.33
		For >100 To 250, Deduct	-0.83	
		For >250 To 500, Deduct	-1.43	
		For >500 To 1,000, Deduct	-2.30	
		For >1,000, Deduct	-3.17	
		For Galvanized Steel, Add	7.82	
05 12 23 00-0673	LF	3" x 3" x 1/8" Square Steel Tubing.....	27.96	10.09
		For >100 To 250, Deduct	-1.01	
		For >250 To 500, Deduct	-1.71	
		For >500 To 1,000, Deduct	-2.74	
		For >1,000, Deduct	-3.78	
		For Galvanized Steel, Add	8.99	
05 12 23 00-0674	LF	3-1/2" x 3-1/2" x 1/8" Square Steel Tubing .....	32.46	11.85
		For >100 To 250, Deduct	-1.18	
		For >250 To 500, Deduct	-2.00	
		For >500 To 1,000, Deduct	-3.20	
		For >1,000, Deduct	-4.41	
		For Galvanized Steel, Add	10.34	
05 12 23 00-0675	LF	4" x 4" x 1/8" Square Steel Tubing.....	36.04	13.60
		For >100 To 250, Deduct	-1.36	
		For >250 To 500, Deduct	-2.26	
		For >500 To 1,000, Deduct	-3.62	
		For >1,000, Deduct	-4.97	
		For Galvanized Steel, Add	11.10	
<b>05 12 23 00-0676 3/16" Wall Thickness (05 12 23 00-0652)</b>				
05 12 23 00-0677	LF	2" x 2" x 3/16" Square Steel Tubing .....	20.53	7.43
		For >100 To 250, Deduct	-0.74	
		For >250 To 500, Deduct	-1.26	
		For >500 To 1,000, Deduct	-2.02	
		For >1,000, Deduct	-2.78	
		For Galvanized Steel, Add	6.58	
05 12 23 00-0678	LF	2-1/2" x 2-1/2" x 3/16" Square Steel Tubing .....	26.56	9.61
		For >100 To 250, Deduct	-0.96	
		For >250 To 500, Deduct	-1.62	
		For >500 To 1,000, Deduct	-2.61	
		For >1,000, Deduct	-3.59	
		For Galvanized Steel, Add	8.53	
05 12 23 00-0679	LF	3" x 3" x 3/16" Square Steel Tubing .....	32.64	11.81
		For >100 To 250, Deduct	-1.18	
		For >250 To 500, Deduct	-2.00	
		For >500 To 1,000, Deduct	-3.21	
		For >1,000, Deduct	-4.42	
		For Galvanized Steel, Add	10.48	
05 12 23 00-0680	LF	3-1/2" x 3-1/2" x 3/16" Square Steel Tubing .....	38.72	14.01
		For >100 To 250, Deduct	-1.40	
		For >250 To 500, Deduct	-2.37	
		For >500 To 1,000, Deduct	-3.80	
		For >1,000, Deduct	-5.24	
		For Galvanized Steel, Add	12.42	
05 12 23 00-0681	LF	4" x 4" x 3/16" Square Steel Tubing .....	44.76	16.20
		For >100 To 250, Deduct	-1.62	
		For >250 To 500, Deduct	-2.74	
		For >500 To 1,000, Deduct	-4.40	
		For >1,000, Deduct	-6.06	
		For Galvanized Steel, Add	14.37	
05 12 23 00-0682	LF	4-1/2" x 4-1/2" x 3/16" Square Steel Tubing .....	50.83	18.39
		For >100 To 250, Deduct	-1.84	
		For >250 To 500, Deduct	-3.11	
		For >500 To 1,000, Deduct	-4.99	
		For >1,000, Deduct	-6.88	
		For Galvanized Steel, Add	16.31	
05 12 23 00-0683	LF	5" x 5" x 3/16" Square Steel Tubing .....	56.87	20.58
		For >100 To 250, Deduct	-2.06	
		For >250 To 500, Deduct	-3.48	
		For >500 To 1,000, Deduct	-5.59	
		For >1,000, Deduct	-7.69	
		For Galvanized Steel, Add	18.25	
05 12 23 00-0684	LF	6" x 6" x 3/16" Square Steel Tubing .....	69.03	24.97
		For >100 To 250, Deduct	-2.50	
		For >250 To 500, Deduct	-4.22	
		For >500 To 1,000, Deduct	-6.78	
		For >1,000, Deduct	-9.34	
		For Galvanized Steel, Add	22.15	
<b>05 12 23 00-0685 1/4" Wall Thickness (05 12 23 00-0652)</b>				
05 12 23 00-0686	LF	2" x 2" x 1/4" Square Steel Tubing.....	21.66	7.44
		For >100 To 250, Deduct	-0.74	
		For >250 To 500, Deduct	-1.29	
		For >500 To 1,000, Deduct	-2.08	
		For >1,000, Deduct	-2.86	
		For Galvanized Steel, Add	7.28	
05 12 23 00-0687	LF	2-1/2" x 2-1/2" x 1/4" Square Steel Tubing .....	28.47	9.77
		For >100 To 250, Deduct	-0.98	
		For >250 To 500, Deduct	-1.69	
		For >500 To 1,000, Deduct	-2.73	
		For >1,000, Deduct	-3.77	
		For Galvanized Steel, Add	9.57	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0688	LF 3" x 3" x 1/4" Square Steel Tubing.....	35.28	12.11
	For >100 To 250, Deduct	-1.21	
	For >250 To 500, Deduct	-2.09	
	For >500 To 1,000, Deduct	-3.38	
	For >1,000, Deduct	-4.67	
	For Galvanized Steel, Add	11.85	
05 12 23 00-0689	LF 3-1/2" x 3-1/2" x 1/4" Square Steel Tubing.....	42.08	14.46
	For >100 To 250, Deduct	-1.45	
	For >250 To 500, Deduct	-2.50	
	For >500 To 1,000, Deduct	-4.03	
	For >1,000, Deduct	-5.56	
	For Galvanized Steel, Add	14.14	
05 12 23 00-0690	LF 4" x 4" x 1/4" Square Steel Tubing.....	48.89	16.79
	For >100 To 250, Deduct	-1.68	
	For >250 To 500, Deduct	-2.90	
	For >500 To 1,000, Deduct	-4.68	
	For >1,000, Deduct	-6.47	
	For Galvanized Steel, Add	16.43	
05 12 23 00-0691	LF 4-1/2" x 4-1/2" x 1/4" Square Steel Tubing.....	55.70	19.13
	For >100 To 250, Deduct	-1.91	
	For >250 To 500, Deduct	-3.31	
	For >500 To 1,000, Deduct	-5.34	
	For >1,000, Deduct	-7.37	
	For Galvanized Steel, Add	18.72	
05 12 23 00-0692	LF 5" x 5" x 1/4" Square Steel Tubing.....	62.54	21.48
	For >100 To 250, Deduct	-2.15	
	For >250 To 500, Deduct	-3.71	
	For >500 To 1,000, Deduct	-5.99	
	For >1,000, Deduct	-8.27	
	For Galvanized Steel, Add	21.02	
05 12 23 00-0693	LF 6" x 6" x 1/4" Square Steel Tubing.....	76.15	26.15
	For >100 To 250, Deduct	-2.62	
	For >250 To 500, Deduct	-4.52	
	For >500 To 1,000, Deduct	-7.29	
	For >1,000, Deduct	-10.07	
	For Galvanized Steel, Add	25.59	

05 12 23 00-0694 Rectangular Steel Tubing (05 12 23 00-0651)

05 12 23 00-0695 3/16" Wall Thickness (05 12 23 00-0694)

05 12 23 00-0696	LF 3" x 2" x 3/16" Square Steel Tubing.....	26.56	9.61
	For >100 To 250, Deduct	-0.96	
	For >250 To 500, Deduct	-1.62	
	For >500 To 1,000, Deduct	-2.61	
	For >1,000, Deduct	-3.59	
	For Galvanized Steel, Add	8.53	
05 12 23 00-0697	LF 4" x 2" x 3/16" Square Steel Tubing.....	32.64	11.81
	For >100 To 250, Deduct	-1.18	
	For >250 To 500, Deduct	-2.00	
	For >500 To 1,000, Deduct	-3.21	
	For >1,000, Deduct	-4.42	
	For Galvanized Steel, Add	10.48	
05 12 23 00-0698	LF 4" x 3" x 3/16" Square Steel Tubing.....	38.72	14.01
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-2.37	
	For >500 To 1,000, Deduct	-3.80	
	For >1,000, Deduct	-5.24	
	For Galvanized Steel, Add	12.42	
05 12 23 00-0699	LF 5" x 2" x 3/16" Square Steel Tubing.....	38.72	14.01
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-2.37	
	For >500 To 1,000, Deduct	-3.80	
	For >1,000, Deduct	-5.24	
	For Galvanized Steel, Add	12.42	
05 12 23 00-0700	LF 5" x 3" x 3/16" Square Steel Tubing.....	44.76	16.20
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.74	
	For >500 To 1,000, Deduct	-4.40	
	For >1,000, Deduct	-6.06	
	For Galvanized Steel, Add	14.37	
05 12 23 00-0701	LF 5" x 4" x 3/16" Square Steel Tubing.....	50.83	18.39
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-3.11	
	For >500 To 1,000, Deduct	-4.99	
	For >1,000, Deduct	-6.88	
	For Galvanized Steel, Add	16.31	
05 12 23 00-0702	LF 6" x 2" x 3/16" Square Steel Tubing.....	44.76	16.20
	For >100 To 250, Deduct	-1.62	
	For >250 To 500, Deduct	-2.74	
	For >500 To 1,000, Deduct	-4.40	
	For >1,000, Deduct	-6.06	
	For Galvanized Steel, Add	14.37	
05 12 23 00-0703	LF 6" x 3" x 3/16" Square Steel Tubing.....	50.83	18.39
	For >100 To 250, Deduct	-1.84	
	For >250 To 500, Deduct	-3.11	
	For >500 To 1,000, Deduct	-4.99	
	For >1,000, Deduct	-6.88	
	For Galvanized Steel, Add	16.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 12 23 00-0704	LF		6" x 4" x 3/16" Square Steel Tubing.....	56.87	20.58
			For >100 To 250, Deduct	-2.06	
			For >250 To 500, Deduct	-3.48	
			For >500 To 1,000, Deduct	-5.59	
			For >1,000, Deduct	-7.69	
			For Galvanized Steel, Add	18.25	
<b>05 12 23 00-0705      1/4" Wall Thickness</b> <small>(05 12 23 00-0694)</small>					
05 12 23 00-0706	LF		3" x 2" x 1/4" Square Steel Tubing.....	28.47	9.77
			For >100 To 250, Deduct	-0.98	
			For >250 To 500, Deduct	-1.69	
			For >500 To 1,000, Deduct	-2.73	
			For >1,000, Deduct	-3.77	
			For Galvanized Steel, Add	9.57	
05 12 23 00-0707	LF		4" x 2" x 1/4" Square Steel Tubing.....	35.28	12.11
			For >100 To 250, Deduct	-1.21	
			For >250 To 500, Deduct	-2.09	
			For >500 To 1,000, Deduct	-3.38	
			For >1,000, Deduct	-4.67	
			For Galvanized Steel, Add	11.85	
05 12 23 00-0708	LF		4" x 3" x 1/4" Square Steel Tubing.....	42.08	14.46
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-2.50	
			For >500 To 1,000, Deduct	-4.03	
			For >1,000, Deduct	-5.56	
			For Galvanized Steel, Add	14.14	
05 12 23 00-0709	LF		5" x 2" x 1/4" Square Steel Tubing.....	42.08	14.46
			For >100 To 250, Deduct	-1.45	
			For >250 To 500, Deduct	-2.50	
			For >500 To 1,000, Deduct	-4.03	
			For >1,000, Deduct	-5.56	
			For Galvanized Steel, Add	14.14	
05 12 23 00-0710	LF		5" x 3" x 1/4" Square Steel Tubing.....	48.89	16.79
			For >100 To 250, Deduct	-1.68	
			For >250 To 500, Deduct	-2.90	
			For >500 To 1,000, Deduct	-4.68	
			For >1,000, Deduct	-6.47	
			For Galvanized Steel, Add	16.43	
05 12 23 00-0711	LF		5" x 4" x 1/4" Square Steel Tubing.....	55.70	19.13
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-3.31	
			For >500 To 1,000, Deduct	-5.34	
			For >1,000, Deduct	-7.37	
			For Galvanized Steel, Add	18.72	
05 12 23 00-0712	LF		6" x 2" x 1/4" Square Steel Tubing.....	48.89	16.79
			For >100 To 250, Deduct	-1.68	
			For >250 To 500, Deduct	-2.90	
			For >500 To 1,000, Deduct	-4.68	
			For >1,000, Deduct	-6.47	
			For Galvanized Steel, Add	16.43	
05 12 23 00-0713	LF		6" x 3" x 1/4" Square Steel Tubing.....	55.70	19.13
			For >100 To 250, Deduct	-1.91	
			For >250 To 500, Deduct	-3.31	
			For >500 To 1,000, Deduct	-5.34	
			For >1,000, Deduct	-7.37	
			For Galvanized Steel, Add	18.72	
05 12 23 00-0714	LF		6" x 4" x 1/4" Square Steel Tubing.....	62.54	21.48
			For >100 To 250, Deduct	-2.15	
			For >250 To 500, Deduct	-3.71	
			For >500 To 1,000, Deduct	-5.99	
			For >1,000, Deduct	-8.27	
			For Galvanized Steel, Add	21.02	
<b>05 12 23 00-0715      Round Steel Tubing</b> <small>(05 12 23 00-0651)</small>					
<b>05 12 23 00-0716      0.065" Wall Thickness</b> <small>(05 12 23 00-0715)</small>					
05 12 23 00-0717	LF		1" Diameter x 0.065" Round Steel Tubing.....	5.68	1.78
			For >100 To 250, Deduct	-0.18	
			For >250 To 500, Deduct	-0.32	
			For >500 To 1,000, Deduct	-0.52	
			For >1,000, Deduct	-0.72	
			For Galvanized Steel, Add	2.05	
05 12 23 00-0718	LF		1-1/4" Diameter x 0.065" Round Steel Tubing.....	7.20	2.26
			For >100 To 250, Deduct	-0.23	
			For >250 To 500, Deduct	-0.41	
			For >500 To 1,000, Deduct	-0.66	
			For >1,000, Deduct	-0.92	
			For Galvanized Steel, Add	2.59	
05 12 23 00-0719	LF		1-1/2" Diameter x 0.065" Round Steel Tubing.....	8.71	2.74
			For >100 To 250, Deduct	-0.27	
			For >250 To 500, Deduct	-0.49	
			For >500 To 1,000, Deduct	-0.80	
			For >1,000, Deduct	-1.11	
			For Galvanized Steel, Add	3.14	

## 05 Metals

## 05 10 Structural Metal Framing

## 05 12 Structural Steel Framing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0720	LF 2" Diameter x 0.065" Round Steel Tubing .....	11.75	3.69
	For >100 To 250, Deduct	-0.37	
	For >250 To 500, Deduct	-0.66	
	For >500 To 1,000, Deduct	-1.08	
	For >1,000, Deduct	-1.50	
	For Galvanized Steel, Add	4.23	
05 12 23 00-0721	LF 2-1/2" Diameter x 0.065" Round Steel Tubing .....	14.79	4.65
	For >100 To 250, Deduct	-0.47	
	For >250 To 500, Deduct	-0.83	
	For >500 To 1,000, Deduct	-1.36	
	For >1,000, Deduct	-1.88	
	For Galvanized Steel, Add	5.33	
05 12 23 00-0722	LF 3" Diameter x 0.065" Round Steel Tubing .....	17.83	5.61
	For >100 To 250, Deduct	-0.56	
	For >250 To 500, Deduct	-1.01	
	For >500 To 1,000, Deduct	-1.64	
	For >1,000, Deduct	-2.27	
	For Galvanized Steel, Add	6.42	
05 12 23 00-0723	LF 3-1/2" Diameter x 0.065" Round Steel Tubing .....	20.88	6.56
	For >100 To 250, Deduct	-0.66	
	For >250 To 500, Deduct	-1.18	
	For >500 To 1,000, Deduct	-1.92	
	For >1,000, Deduct	-2.66	
	For Galvanized Steel, Add	7.52	
05 12 23 00-0724	LF 4" Diameter x 0.065" Round Steel Tubing .....	23.91	7.51
	For >100 To 250, Deduct	-0.75	
	For >250 To 500, Deduct	-1.35	
	For >500 To 1,000, Deduct	-2.20	
	For >1,000, Deduct	-3.05	
	For Galvanized Steel, Add	8.61	

## 05 12 23 00-0725 0.083" Wall Thickness (05 12 23 00-0715)

05 12 23 00-0726	LF 1" Diameter x 0.083" Round Steel Tubing .....	6.18	1.95
	For >100 To 250, Deduct	-0.20	
	For >250 To 500, Deduct	-0.35	
	For >500 To 1,000, Deduct	-0.57	
	For >1,000, Deduct	-0.79	
	For Galvanized Steel, Add	2.21	
05 12 23 00-0727	LF 1-1/4" Diameter x 0.083" Round Steel Tubing .....	7.86	2.49
	For >100 To 250, Deduct	-0.25	
	For >250 To 500, Deduct	-0.45	
	For >500 To 1,000, Deduct	-0.73	
	For >1,000, Deduct	-1.00	
	For Galvanized Steel, Add	2.81	
05 12 23 00-0728	LF 1-1/2" Diameter x 0.083" Round Steel Tubing .....	9.55	3.02
	For >100 To 250, Deduct	-0.30	
	For >250 To 500, Deduct	-0.54	
	For >500 To 1,000, Deduct	-0.88	
	For >1,000, Deduct	-1.22	
	For Galvanized Steel, Add	3.42	
05 12 23 00-0729	LF 2" Diameter x 0.083" Round Steel Tubing .....	12.92	4.09
	For >100 To 250, Deduct	-0.41	
	For >250 To 500, Deduct	-0.73	
	For >500 To 1,000, Deduct	-1.19	
	For >1,000, Deduct	-1.65	
	For Galvanized Steel, Add	4.63	
05 12 23 00-0730	LF 2-1/2" Diameter x 0.083" Round Steel Tubing .....	16.29	5.15
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.92	
	For >500 To 1,000, Deduct	-1.50	
	For >1,000, Deduct	-2.08	
	For Galvanized Steel, Add	5.83	
05 12 23 00-0731	LF 3" Diameter x 0.083" Round Steel Tubing .....	19.65	6.22
	For >100 To 250, Deduct	-0.62	
	For >250 To 500, Deduct	-1.11	
	For >500 To 1,000, Deduct	-1.81	
	For >1,000, Deduct	-2.51	
	For Galvanized Steel, Add	7.04	
05 12 23 00-0732	LF 3-1/2" Diameter x 0.083" Round Steel Tubing .....	23.01	7.29
	For >100 To 250, Deduct	-0.73	
	For >250 To 500, Deduct	-1.30	
	For >500 To 1,000, Deduct	-2.12	
	For >1,000, Deduct	-2.94	
	For Galvanized Steel, Add	8.25	
05 12 23 00-0733	LF 4" Diameter x 0.083" Round Steel Tubing .....	26.39	8.35
	For >100 To 250, Deduct	-0.84	
	For >250 To 500, Deduct	-1.50	
	For >500 To 1,000, Deduct	-2.43	
	For >1,000, Deduct	-3.37	
	For Galvanized Steel, Add	9.46	

## 05 12 23 00-0734 0.125" Wall Thickness (05 12 23 00-0715)

05 12 23 00-0735	LF 2" Diameter x 0.125" Round Steel Tubing .....	14.21	5.16
	For >100 To 250, Deduct	-0.52	
	For >250 To 500, Deduct	-0.87	
	For >500 To 1,000, Deduct	-1.40	
	For >1,000, Deduct	-1.93	
	For Galvanized Steel, Add	4.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 12 23 00-0736	LF		2-1/2" Diameter x 0.125" Round Steel Tubing .....	18.00	6.54
			For >100 To 250, Deduct	-0.65	
			For >250 To 500, Deduct	-1.10	
			For >500 To 1,000, Deduct	-1.77	
			For >1,000, Deduct	-2.44	
			For Galvanized Steel, Add	5.75	
05 12 23 00-0737	LF		3" Diameter x 0.125" Round Steel Tubing .....	21.79	7.91
			For >100 To 250, Deduct	-0.79	
			For >250 To 500, Deduct	-1.34	
			For >500 To 1,000, Deduct	-2.15	
			For >1,000, Deduct	-2.95	
			For Galvanized Steel, Add	6.96	
05 12 23 00-0738	LF		3-1/2" Diameter x 0.125" Round Steel Tubing .....	25.57	9.29
			For >100 To 250, Deduct	-0.93	
			For >250 To 500, Deduct	-1.57	
			For >500 To 1,000, Deduct	-2.52	
			For >1,000, Deduct	-3.47	
			For Galvanized Steel, Add	8.17	
05 12 23 00-0739	LF		4" Diameter x 0.125" Round Steel Tubing .....	29.36	10.67
			For >100 To 250, Deduct	-1.07	
			For >250 To 500, Deduct	-1.80	
			For >500 To 1,000, Deduct	-2.89	
			For >1,000, Deduct	-3.98	
			For Galvanized Steel, Add	9.39	
05 12 23 00-0740			Flat Steel Bar <small>(05 12 23 00-0392)</small>		
05 12 23 00-0741			1/8" Thick <small>(05 12 23 00-0740)</small>		
05 12 23 00-0742	LF		1/8" Thick x 1" Wide Flat Steel Bar .....	4.94	2.57
			For Galvanized Steel, Add	0.68	
05 12 23 00-0743	LF		1/8" Thick x 2" Wide Flat Steel Bar .....	7.59	3.85
			For Galvanized Steel, Add	1.12	
05 12 23 00-0744	LF		1/8" Thick x 4" Wide Flat Steel Bar .....	11.43	5.43
			For Galvanized Steel, Add	2.04	
05 12 23 00-0745	LF		1/8" Thick x 6" Wide Flat Steel Bar .....	15.50	7.37
			For Galvanized Steel, Add	2.76	
05 12 23 00-0746			3/16" Thick <small>(05 12 23 00-0740)</small>		
05 12 23 00-0747	LF		3/16" Thick x 1" Wide Flat Steel Bar .....	6.44	3.19
			For Galvanized Steel, Add	1.03	
05 12 23 00-0748	LF		3/16" Thick x 2" Wide Flat Steel Bar .....	10.05	4.78
			For Galvanized Steel, Add	1.77	
05 12 23 00-0749	LF		3/16" Thick x 4" Wide Flat Steel Bar .....	13.08	5.50
			For Galvanized Steel, Add	2.99	
05 12 23 00-0750	LF		3/16" Thick x 6" Wide Flat Steel Bar .....	18.12	7.63
			For Galvanized Steel, Add	4.14	
05 12 23 00-0751			1/4" Thick <small>(05 12 23 00-0740)</small>		
05 12 23 00-0752	LF		1/4" Thick x 1" Wide Flat Steel Bar .....	6.70	3.37
			For Galvanized Steel, Add	1.02	
05 12 23 00-0753	LF		1/4" Thick x 2" Wide Flat Steel Bar .....	10.90	5.06
			For Galvanized Steel, Add	2.05	
05 12 23 00-0754	LF		1/4" Thick x 4" Wide Flat Steel Bar .....	15.09	5.78
			For Galvanized Steel, Add	3.97	
05 12 23 00-0755	LF		1/4" Thick x 6" Wide Flat Steel Bar .....	21.92	8.55
			For Galvanized Steel, Add	5.64	
05 12 23 00-0756			3/8" Thick <small>(05 12 23 00-0740)</small>		
05 12 23 00-0757	LF		3/8" Thick x 1" Wide Flat Steel Bar .....	8.27	3.79
			For Galvanized Steel, Add	1.59	
05 12 23 00-0758	LF		3/8" Thick x 2" Wide Flat Steel Bar .....	13.29	5.69
			For Galvanized Steel, Add	2.94	
05 12 23 00-0759	LF		3/8" Thick x 4" Wide Flat Steel Bar .....	19.23	6.49
			For Galvanized Steel, Add	5.88	
05 12 23 00-0760	LF		3/8" Thick x 6" Wide Flat Steel Bar .....	27.79	9.60
			For Galvanized Steel, Add	8.27	
05 12 23 00-0761			1/2" Thick <small>(05 12 23 00-0740)</small>		
05 12 23 00-0762	LF		1/2" Thick x 1" Wide Flat Steel Bar .....	9.56	4.16
			For Galvanized Steel, Add	2.04	
05 12 23 00-0763	LF		1/2" Thick x 2" Wide Flat Steel Bar .....	15.45	6.27
			For Galvanized Steel, Add	3.75	
05 12 23 00-0764	LF		1/2" Thick x 4" Wide Flat Steel Bar .....	21.04	7.14
			For Galvanized Steel, Add	6.39	
05 12 23 00-0765	LF		1/2" Thick x 6" Wide Flat Steel Bar .....	36.44	10.58
			For Galvanized Steel, Add	12.75	
05 12 23 00-0766			Flat Steel Plate <small>(05 12 23 00-0392)</small>		

**05 Metals****05 10 Structural Metal Framing****05 12 Structural Steel Framing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 12 23 00-0767	SF	1/8" Thick Flat Steel Plate.....	24.35	11.05
		<i>For 304 Stainless Steel, Add</i>	22.12	
		<i>For 316 Stainless Steel, Add</i>	24.83	
		<i>For Aluminum, Add</i>	1.40	
		<i>For Galvanized Steel, Add</i>	4.81	
05 12 23 00-0768	SF	3/16" Thick Flat Steel Plate.....	26.89	11.45
		<i>For 304 Stainless Steel, Add</i>	27.67	
		<i>For 316 Stainless Steel, Add</i>	31.07	
		<i>For Aluminum, Add</i>	1.75	
		<i>For Galvanized Steel, Add</i>	6.02	
05 12 23 00-0769	SF	1/4" Thick Flat Steel Plate.....	31.63	12.81
		<i>For 304 Stainless Steel, Add</i>	35.28	
		<i>For 316 Stainless Steel, Add</i>	39.62	
		<i>For Aluminum, Add</i>	2.23	
		<i>For Galvanized Steel, Add</i>	7.68	
05 12 23 00-0770	SF	3/8" Thick Flat Steel Plate.....	41.08	14.42
		<i>For 304 Stainless Steel, Add</i>	55.38	
		<i>For 316 Stainless Steel, Add</i>	62.18	
		<i>For Aluminum, Add</i>	3.50	
		<i>For Galvanized Steel, Add</i>	12.05	
05 12 23 00-0771	SF	1/2" Thick Flat Steel Plate.....	48.03	15.86
		<i>For 304 Stainless Steel, Add</i>	69.00	
		<i>For 316 Stainless Steel, Add</i>	77.47	
		<i>For Aluminum, Add</i>	4.36	
		<i>For Galvanized Steel, Add</i>	15.01	
05 12 23 00-0772	SF	3/4" Thick Flat Steel Plate.....	75.18	19.65
		<i>For 304 Stainless Steel, Add</i>	129.39	
		<i>For 316 Stainless Steel, Add</i>	145.28	
		<i>For Aluminum, Add</i>	8.17	
		<i>For Galvanized Steel, Add</i>	28.15	
05 12 23 00-0773	SF	1" Thick Flat Steel Plate.....	99.37	24.56
		<i>For 304 Stainless Steel, Add</i>	177.16	
		<i>For 316 Stainless Steel, Add</i>	198.91	
		<i>For Aluminum, Add</i>	11.19	
		<i>For Galvanized Steel, Add</i>	38.54	

**05 14 Structural Aluminum Framing** (05 10)**05 14 13 Architecturally-Exposed Structural Aluminum Framing** (05 14)**05 14 13 00-0001 Rolled Or Plate Shapes** (05 14 13)

Note: 1" through 10" member.

05 14 13 00-0002	LB	Structural Aluminum, Up To 2,000 LB / Order 1" To 10" Rolled / Plate Structural Members .....	10.25	1.28
05 14 13 00-0003	LB	Structural Aluminum, >2,000 - 9,999 LB / Order 1" To 10" Rolled / Plate Structural Members .....	9.07	1.19

**05 14 13 00-0004 Aluminum Extrusions** (05 14 13)

05 14 13 00-0005	LB	Aluminum Extrusions, Stock Shapes 1" To 10" Rolled / Plate Structural Members .....	18.06	5.34
05 14 13 00-0006	LB	Aluminum Extrusions, Custom Shapes 1" To 10" Rolled / Plate Structural Members.....	18.98	5.34

**05 14 13 00-0007 Aluminum Tubing** (05 14 13)

05 14 13 00-0008	LB	Aluminum Extrusions, Tubular Shapes 1" To 10" Rolled / Plate Structural Members.....	16.67	3.73
05 14 13 00-0009	LF	1" x 1" Aluminum Tubing, 1/8" Wall Thickness .....	17.09	6.11
05 14 13 00-0010	LF	1-1/4" x 1-1/4" Aluminum Tubing, 1/8" Wall Thickness .....	20.12	6.66
05 14 13 00-0011	LF	1-1/2" x 1-1/2" Aluminum Tubing, 1/8" Wall Thickness .....	23.19	7.78
05 14 13 00-0012	LF	2" x 2" Aluminum Tubing, 1/8" Wall Thickness .....	26.91	8.34
05 14 13 00-0013	LF	4" x 4" Aluminum Tubing, 1/4" Wall Thickness .....	68.14	10.58
05 14 13 00-0014	LF	2" x 5" Aluminum Tubing, 1/4" Wall Thickness .....	56.41	9.46

**05 20 Metal Joists** (05)**05 21 Steel Joist Framing** (05 20)**05 21 19 Open Web Steel Joist Framing** (05 21)

05 21 19 00-0001	TON	H, J Or K Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging.....	3,172.00	286.75
		<i>For Welded Cross Bridging, Add</i>	358.43	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	237.27	
05 21 19 00-0002	TON	H, J Or K Open Web Joist, >30' To 50' Span, Steel, Horizontal Bridging .....	2,898.01	268.82
		<i>For Welded Cross Bridging, Add</i>	318.60	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	220.32	
05 21 19 00-0003	TON	LJ Or LH Open Web Joist, Up To 96' Span, Steel, Bolted Cross Bridging.....	3,429.71	268.82
		<i>For Welded Cross Bridging, Add</i>	330.86	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	279.22	
05 21 19 00-0004	TON	DLJ Or DLH Open Web Joist, Up To 144' Span, Steel, Bolted Cross Bridging .....	3,843.37	268.82
		<i>For Welded Cross Bridging, Add</i>	330.86	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	328.86	
05 21 19 00-0005	TON	CS Open Web Joist, Up To 30' Span, Steel, Horizontal Bridging .....	3,469.91	268.82
		<i>For Welded Cross Bridging, Add</i>	358.43	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	273.02	
05 21 19 00-0006	TON	SLH Open Web Joist, Up To 200' Span, Steel, Bolted Cross Bridging.....	4,205.33	268.82
		<i>For Welded Cross Bridging, Add</i>	330.86	
		<i>For Shop Prime Paint Other Than Manufacturer's Standard, Add</i>	372.30	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**05 30 Metal Decking** <sup>(05)</sup>

Note: Includes all connecting bolts and welds.

**05 31 Steel Decking** <sup>(05 30)</sup>

See CSI section 03 30 00 00-0000 for concrete where required.

**05 31 13 Steel Floor Decking** <sup>(05 31)</sup>

Note: Floor or roof decking

**05 31 13 00-0001 Open Ribbed Galvanized Steel Deck** <sup>(05 31 13)</sup>

05 31 13 00-0002	SF 1" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.60	0.82
	For Painted, Deduct	-0.13	
	For Perforated Or Slotted, Add	0.13	
	For Site Installed Insulation Between Ribs, Add	0.98	
	For Up To 100, Add	1.29	
	For >100 To 500, Add	0.67	
	For >500 To 1,500, Add	0.26	
05 31 13 00-0003	SF 1" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.11	0.96
	For Painted, Deduct	-0.15	
	For Perforated Or Slotted, Add	0.15	
	For Site Installed Insulation Between Ribs, Add	1.12	
	For Up To 100, Add	1.49	
	For >100 To 500, Add	0.77	
	For >500 To 1,500, Add	0.30	
05 31 13 00-0004	SF 1" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.14	1.16
	For Painted, Deduct	-0.18	
	For Perforated Or Slotted, Add	0.18	
	For Site Installed Insulation Between Ribs, Add	1.40	
	For Up To 100, Add	1.82	
	For >100 To 500, Add	0.95	
	For >500 To 1,500, Add	0.36	
05 31 13 00-0005	SF 1-1/2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	3.97	0.93
	For Painted, Deduct	-0.14	
	For Perforated Or Slotted, Add	0.14	
	For Site Installed Insulation Between Ribs, Add	1.08	
	For Up To 100, Add	1.44	
	For >100 To 500, Add	0.75	
	For >500 To 1,500, Add	0.29	
05 31 13 00-0006	SF 1-1/2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	4.56	1.06
	For Painted, Deduct	-0.16	
	For Perforated Or Slotted, Add	0.16	
	For Site Installed Insulation Between Ribs, Add	1.24	
	For Up To 100, Add	1.65	
	For >100 To 500, Add	0.86	
	For >500 To 1,500, Add	0.33	
05 31 13 00-0007	SF 1-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	5.71	1.30
	For Painted, Deduct	-0.20	
	For Perforated Or Slotted, Add	0.20	
	For Site Installed Insulation Between Ribs, Add	1.55	
	For Up To 100, Add	2.04	
	For >100 To 500, Add	1.06	
	For >500 To 1,500, Add	0.41	
05 31 13 00-0008	SF 2" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.45	0.98
	For Painted, Deduct	-0.16	
	For Perforated Or Slotted, Add	0.16	
	For Site Installed Insulation Between Ribs, Add	1.21	
	For Up To 100, Add	1.54	
	For >100 To 500, Add	0.81	
	For >500 To 1,500, Add	0.31	
05 31 13 00-0009	SF 2" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck.....	5.15	1.13
	For Painted, Deduct	-0.19	
	For Perforated Or Slotted, Add	0.19	
	For Site Installed Insulation Between Ribs, Add	1.40	
	For Up To 100, Add	1.77	
	For >100 To 500, Add	0.93	
	For >500 To 1,500, Add	0.35	
05 31 13 00-0010	SF 2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck.....	6.30	1.27
	For Painted, Deduct	-0.24	
	For Perforated Or Slotted, Add	0.24	
	For Site Installed Insulation Between Ribs, Add	1.69	
	For Up To 100, Add	2.05	
	For >100 To 500, Add	1.10	
	For >500 To 1,500, Add	0.40	
05 31 13 00-0011	SF 2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck.....	7.82	1.37
	For Painted, Deduct	-0.31	
	For Perforated Or Slotted, Add	0.31	
	For Site Installed Insulation Between Ribs, Add	2.09	
	For Up To 100, Add	2.33	
	For >100 To 500, Add	1.30	
	For >500 To 1,500, Add	0.43	
05 31 13 00-0012	SF 3" Deep, 22 Gauge Open Ribbed Galvanized Steel Deck.....	4.94	1.03
	For Painted, Deduct	-0.18	
	For Perforated Or Slotted, Add	0.18	
	For Site Installed Insulation Between Ribs, Add	1.33	
	For Up To 100, Add	1.65	
	For >100 To 500, Add	0.88	
	For >500 To 1,500, Add	0.32	

## 05 Metals

## 05 30 Metal Decking

## 05 31 Steel Decking

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0013	SF		3" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	5.75	1.16
			<i>For Painted, Deduct</i>	-0.22	
			<i>For Perforated Or Slotted, Add</i>	0.22	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.55	
			<i>For Up To 100, Add</i>	1.88	
			<i>For &gt;100 To 500, Add</i>	1.01	
			<i>For &gt;500 To 1,500, Add</i>	0.36	
05 31 13 00-0014	SF		3" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	7.16	1.44
			<i>For Painted, Deduct</i>	-0.27	
			<i>For Perforated Or Slotted, Add</i>	0.27	
			<i>For Site Installed Insulation Between Ribs, Add</i>	1.93	
			<i>For Up To 100, Add</i>	2.34	
			<i>For &gt;100 To 500, Add</i>	1.26	
			<i>For &gt;500 To 1,500, Add</i>	0.45	
05 31 13 00-0015	SF		3" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck .....	8.99	1.75
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.42	
			<i>For Up To 100, Add</i>	2.86	
			<i>For &gt;100 To 500, Add</i>	1.55	
			<i>For &gt;500 To 1,500, Add</i>	0.55	
05 31 13 00-0016	SF		4-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	12.39	
			<i>For Painted, Deduct</i>	-0.54	
			<i>For Perforated Or Slotted, Add</i>	0.54	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.22	
			<i>For Up To 100, Add</i>	2.66	
			<i>For &gt;100 To 500, Add</i>	1.71	
			<i>For &gt;500 To 1,500, Add</i>	0.40	
05 31 13 00-0017	SF		4-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck .....	15.54	1.44
			<i>For Painted, Deduct</i>	-0.69	
			<i>For Perforated Or Slotted, Add</i>	0.69	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.02	
			<i>For Up To 100, Add</i>	3.17	
			<i>For &gt;100 To 500, Add</i>	2.09	
			<i>For &gt;500 To 1,500, Add</i>	0.45	
05 31 13 00-0018	SF		6" Deep, 20 Gauge Open Ribbed Galvanized Steel Deck .....	14.48	1.44
			<i>For Painted, Deduct</i>	-0.63	
			<i>For Perforated Or Slotted, Add</i>	0.63	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.76	
			<i>For Up To 100, Add</i>	3.07	
			<i>For &gt;100 To 500, Add</i>	1.99	
			<i>For &gt;500 To 1,500, Add</i>	0.45	
05 31 13 00-0019	SF		6" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	15.29	1.75
			<i>For Painted, Deduct</i>	-0.66	
			<i>For Perforated Or Slotted, Add</i>	0.66	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.99	
			<i>For Up To 100, Add</i>	3.49	
			<i>For &gt;100 To 500, Add</i>	2.18	
			<i>For &gt;500 To 1,500, Add</i>	0.55	
05 31 13 00-0020	SF		6" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck .....	19.08	2.13
			<i>For Painted, Deduct</i>	-0.82	
			<i>For Perforated Or Slotted, Add</i>	0.82	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.97	
			<i>For Up To 100, Add</i>	4.30	
			<i>For &gt;100 To 500, Add</i>	2.71	
			<i>For &gt;500 To 1,500, Add</i>	0.67	
05 31 13 00-0021	SF		7-1/2" Deep, 18 Gauge Open Ribbed Galvanized Steel Deck .....	16.91	1.92
			<i>For Painted, Deduct</i>	-0.73	
			<i>For Perforated Or Slotted, Add</i>	0.73	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.41	
			<i>For Up To 100, Add</i>	3.85	
			<i>For &gt;100 To 500, Add</i>	2.41	
			<i>For &gt;500 To 1,500, Add</i>	0.60	
05 31 13 00-0022	SF		7-1/2" Deep, 16 Gauge Open Ribbed Galvanized Steel Deck .....	21.04	2.33
			<i>For Painted, Deduct</i>	-0.91	
			<i>For Perforated Or Slotted, Add</i>	0.91	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.48	
			<i>For Up To 100, Add</i>	4.73	
			<i>For &gt;100 To 500, Add</i>	2.98	
			<i>For &gt;500 To 1,500, Add</i>	0.73	
05 31 13 00-0023			<b>Cellular Galvanized Steel Deck</b> <small>(05 31 13)</small>		
			Note: Cellular decking is made of a top ribbed sheet and a flat bottom sheet welded together to create hollow longitudinal cells within the panels.		
05 31 13 00-0024	SF		1" Deep, 22/18 Gauge Cellular Galvanized Steel Deck .....	11.27	1.47
			<i>For Painted, Deduct</i>	-0.47	
			<i>For Perforated Or Slotted, Add</i>	0.47	
			<i>For Insulated Cells, Add</i>	2.12	
			<i>For Site Installed Insulation Between Ribs, Add</i>	2.96	
			<i>For Up To 100, Add</i>	2.78	
			<i>For &gt;100 To 500, Add</i>	1.68	
			<i>For &gt;500 To 1,500, Add</i>	0.46	
05 31 13 00-0025	SF		1" Deep, 18/18 Gauge Cellular Galvanized Steel Deck .....	12.42	1.96
			<i>For Painted, Deduct</i>	-0.50	
			<i>For Perforated Or Slotted, Add</i>	0.50	
			<i>For Insulated Cells, Add</i>	2.25	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.29	
			<i>For Up To 100, Add</i>	3.44	
			<i>For &gt;100 To 500, Add</i>	1.97	
			<i>For &gt;500 To 1,500, Add</i>	0.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 31 13 00-0026	SF		1-1/2" Deep, 22/18 Gauge Cellular Galvanized Steel Deck.....	13.71	1.54
			<i>For Painted, Deduct</i>	-0.59	
			<i>For Perforated Or Slotted, Add</i>	0.59	
			<i>For Insulated Cells, Add</i>	2.65	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.58	
			<i>For Up To 100, Add</i>	3.11	
			<i>For &gt;100 To 500, Add</i>	1.95	
			<i>For &gt;500 To 1,500, Add</i>	0.48	
05 31 13 00-0027	SF		1-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	15.02	2.06
			<i>For Painted, Deduct</i>	-0.62	
			<i>For Perforated Or Slotted, Add</i>	0.62	
			<i>For Insulated Cells, Add</i>	2.80	
			<i>For Site Installed Insulation Between Ribs, Add</i>	3.95	
			<i>For Up To 100, Add</i>	3.82	
			<i>For &gt;100 To 500, Add</i>	2.27	
			<i>For &gt;500 To 1,500, Add</i>	0.64	
05 31 13 00-0028	SF		3" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	15.73	1.89
			<i>For Painted, Deduct</i>	-0.67	
			<i>For Perforated Or Slotted, Add</i>	0.67	
			<i>For Insulated Cells, Add</i>	3.02	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.11	
			<i>For Up To 100, Add</i>	3.65	
			<i>For &gt;100 To 500, Add</i>	2.27	
			<i>For &gt;500 To 1,500, Add</i>	0.58	
05 31 13 00-0029	SF		3" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	18.78	2.16
			<i>For Painted, Deduct</i>	-0.80	
			<i>For Perforated Or Slotted, Add</i>	0.80	
			<i>For Insulated Cells, Add</i>	3.62	
			<i>For Site Installed Insulation Between Ribs, Add</i>	4.90	
			<i>For Up To 100, Add</i>	4.31	
			<i>For &gt;100 To 500, Add</i>	2.69	
			<i>For &gt;500 To 1,500, Add</i>	0.68	
05 31 13 00-0030	SF		3" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	21.03	2.33
			<i>For Painted, Deduct</i>	-0.91	
			<i>For Perforated Or Slotted, Add</i>	0.91	
			<i>For Insulated Cells, Add</i>	4.07	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.48	
			<i>For Up To 100, Add</i>	4.73	
			<i>For &gt;100 To 500, Add</i>	2.98	
			<i>For &gt;500 To 1,500, Add</i>	0.73	
05 31 13 00-0031	SF		3" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	22.72	2.50
			<i>For Painted, Deduct</i>	-0.98	
			<i>For Perforated Or Slotted, Add</i>	0.98	
			<i>For Insulated Cells, Add</i>	4.41	
			<i>For Site Installed Insulation Between Ribs, Add</i>	5.92	
			<i>For Up To 100, Add</i>	5.09	
			<i>For &gt;100 To 500, Add</i>	3.21	
			<i>For &gt;500 To 1,500, Add</i>	0.78	
05 31 13 00-0032	SF		4-1/2" Deep, 20/18 Gauge Cellular Galvanized Steel Deck.....	23.93	1.89
			<i>For Painted, Deduct</i>	-1.08	
			<i>For Perforated Or Slotted, Add</i>	1.08	
			<i>For Insulated Cells, Add</i>	4.86	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.16	
			<i>For Up To 100, Add</i>	4.51	
			<i>For &gt;100 To 500, Add</i>	3.10	
			<i>For &gt;500 To 1,500, Add</i>	0.59	
05 31 13 00-0033	SF		4-1/2" Deep, 18/18 Gauge Cellular Galvanized Steel Deck.....	25.55	2.19
			<i>For Painted, Deduct</i>	-1.14	
			<i>For Perforated Or Slotted, Add</i>	1.14	
			<i>For Insulated Cells, Add</i>	5.13	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.60	
			<i>For Up To 100, Add</i>	5.03	
			<i>For &gt;100 To 500, Add</i>	3.38	
			<i>For &gt;500 To 1,500, Add</i>	0.69	
05 31 13 00-0034	SF		4-1/2" Deep, 18/16 Gauge Cellular Galvanized Steel Deck.....	27.02	2.36
			<i>For Painted, Deduct</i>	-1.20	
			<i>For Perforated Or Slotted, Add</i>	1.20	
			<i>For Insulated Cells, Add</i>	5.41	
			<i>For Site Installed Insulation Between Ribs, Add</i>	6.98	
			<i>For Up To 100, Add</i>	5.37	
			<i>For &gt;100 To 500, Add</i>	3.59	
			<i>For &gt;500 To 1,500, Add</i>	0.74	
05 31 13 00-0035	SF		4-1/2" Deep, 16/16 Gauge Cellular Galvanized Steel Deck.....	28.82	2.53
			<i>For Painted, Deduct</i>	-1.28	
			<i>For Perforated Or Slotted, Add</i>	1.28	
			<i>For Insulated Cells, Add</i>	5.77	
			<i>For Site Installed Insulation Between Ribs, Add</i>	7.45	
			<i>For Up To 100, Add</i>	5.74	
			<i>For &gt;100 To 500, Add</i>	3.83	
			<i>For &gt;500 To 1,500, Add</i>	0.79	

**05 31 23 Steel Roof Decking** (05 31)  
 See CSI section 05 31 13 00-0000 for Steel floor or roof decking.

**05 31 33 Steel Form Decking** (05 31)

05 31 33 00-0001 Open Ribbed Galvanized Steel Form Deck (05 31 33)

**05 Metals****05 30 Metal Decking****05 31 Steel Decking**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 31 33 00-0002	SF 9/16" Deep, 28 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.49	
	<i>For Painted, Deduct</i>	-0.10	
	<i>For Perforated Or Slotted, Add</i>	0.10	
	<i>For Up To 100, Add</i>	1.74	
	<i>For &gt;100 To 500, Add</i>	0.81	
	<i>For &gt;500 To 1,500, Add</i>	0.39	
05 31 33 00-0003	SF 9/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	3.71	
	<i>For Painted, Deduct</i>	-0.10	
	<i>For Perforated Or Slotted, Add</i>	0.10	
	<i>For Up To 100, Add</i>	1.84	
	<i>For &gt;100 To 500, Add</i>	0.86	
	<i>For &gt;500 To 1,500, Add</i>	0.41	
05 31 33 00-0004	SF 9/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.14	
	<i>For Painted, Deduct</i>	-0.11	
	<i>For Perforated Or Slotted, Add</i>	0.11	
	<i>For Up To 100, Add</i>	2.12	
	<i>For &gt;100 To 500, Add</i>	0.98	
	<i>For &gt;500 To 1,500, Add</i>	0.47	
05 31 33 00-0005	SF 9/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.51	
	<i>For Painted, Deduct</i>	-0.12	
	<i>For Perforated Or Slotted, Add</i>	0.12	
	<i>For Up To 100, Add</i>	2.38	
	<i>For &gt;100 To 500, Add</i>	1.09	
	<i>For &gt;500 To 1,500, Add</i>	0.54	
05 31 33 00-0006	SF 15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.11	
	<i>For Painted, Deduct</i>	-0.12	
	<i>For Perforated Or Slotted, Add</i>	0.12	
	<i>For Up To 100, Add</i>	1.88	
	<i>For &gt;100 To 500, Add</i>	0.90	
	<i>For &gt;500 To 1,500, Add</i>	0.41	
05 31 33 00-0007	SF 15/16" Deep, 25 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.33	
	<i>For Painted, Deduct</i>	-0.13	
	<i>For Perforated Or Slotted, Add</i>	0.13	
	<i>For Up To 100, Add</i>	1.98	
	<i>For &gt;100 To 500, Add</i>	0.95	
	<i>For &gt;500 To 1,500, Add</i>	0.43	
05 31 33 00-0008	SF 15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.59	
	<i>For Painted, Deduct</i>	-0.14	
	<i>For Perforated Or Slotted, Add</i>	0.14	
	<i>For Up To 100, Add</i>	2.16	
	<i>For &gt;100 To 500, Add</i>	1.03	
	<i>For &gt;500 To 1,500, Add</i>	0.47	
05 31 33 00-0009	SF 15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	4.94	
	<i>For Painted, Deduct</i>	-0.14	
	<i>For Perforated Or Slotted, Add</i>	0.14	
	<i>For Up To 100, Add</i>	2.42	
	<i>For &gt;100 To 500, Add</i>	1.14	
	<i>For &gt;500 To 1,500, Add</i>	0.54	
05 31 33 00-0010	SF 1-15/16" Deep, 26 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.20	
	<i>For Painted, Deduct</i>	-0.15	
	<i>For Perforated Or Slotted, Add</i>	0.15	
	<i>For Up To 100, Add</i>	2.53	
	<i>For &gt;100 To 500, Add</i>	1.19	
	<i>For &gt;500 To 1,500, Add</i>	0.56	
05 31 33 00-0011	SF 1-15/16" Deep, 24 Gauge Open Ribbed Galvanized Steel Form Deck.....	5.62	
	<i>For Painted, Deduct</i>	-0.17	
	<i>For Perforated Or Slotted, Add</i>	0.17	
	<i>For Up To 100, Add</i>	2.64	
	<i>For &gt;100 To 500, Add</i>	1.26	
	<i>For &gt;500 To 1,500, Add</i>	0.58	
05 31 33 00-0012	SF 1-15/16" Deep, 22 Gauge Open Ribbed Galvanized Steel Form Deck.....	6.38	
	<i>For Painted, Deduct</i>	-0.20	
	<i>For Perforated Or Slotted, Add</i>	0.20	
	<i>For Up To 100, Add</i>	2.87	
	<i>For &gt;100 To 500, Add</i>	1.38	
	<i>For &gt;500 To 1,500, Add</i>	0.62	
05 31 33 00-0013	SF 1-15/16" Deep, 20 Gauge Open Ribbed Galvanized Steel Form Deck.....	7.10	
	<i>For Painted, Deduct</i>	-0.21	
	<i>For Perforated Or Slotted, Add</i>	0.21	
	<i>For Up To 100, Add</i>	3.26	
	<i>For &gt;100 To 500, Add</i>	1.56	
	<i>For &gt;500 To 1,500, Add</i>	0.71	

**05 36 Composite Metal Decking** (05 30)

See CSI section 03 30 00 00-0000 for concrete.

**05 36 00 00-0001 Composite Open Ribbed Galvanized Steel Deck** (05 36)

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab.

05 36 00 00-0002	SF 1-1/2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.24	
	<i>For Painted, Deduct</i>	-0.15	
	<i>For Perforated Or Slotted, Add</i>	0.15	
	<i>For Up To 100, Add</i>	2.53	
	<i>For &gt;100 To 500, Add</i>	1.19	
	<i>For &gt;500 To 1,500, Add</i>	0.56	
05 36 00 00-0003	SF 1-1/2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.64	
	<i>For Painted, Deduct</i>	-0.16	
	<i>For Perforated Or Slotted, Add</i>	0.16	
	<i>For Up To 100, Add</i>	2.80	
	<i>For &gt;100 To 500, Add</i>	1.31	
	<i>For &gt;500 To 1,500, Add</i>	0.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 36 00 00-0004	SF	1-1/2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.43		
		<i>For Painted, Deduct</i>	-0.17		
		<i>For Perforated Or Slotted, Add</i>	0.17		
		<i>For Up To 100, Add</i>	3.42		
		<i>For &gt;100 To 500, Add</i>	1.57		
		<i>For &gt;500 To 1,500, Add</i>	0.77		
05 36 00 00-0005	SF	1-1/2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	7.13		
		<i>For Painted, Deduct</i>	-0.17		
		<i>For Perforated Or Slotted, Add</i>	0.17		
		<i>For Up To 100, Add</i>	4.03		
		<i>For &gt;100 To 500, Add</i>	1.82		
		<i>For &gt;500 To 1,500, Add</i>	0.92		
05 36 00 00-0006	SF	2" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.64		
		<i>For Painted, Deduct</i>	-0.16		
		<i>For Perforated Or Slotted, Add</i>	0.16		
		<i>For Up To 100, Add</i>	2.80		
		<i>For &gt;100 To 500, Add</i>	1.31		
		<i>For &gt;500 To 1,500, Add</i>	0.62		
05 36 00 00-0007	SF	2" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.12		
		<i>For Painted, Deduct</i>	-0.17		
		<i>For Perforated Or Slotted, Add</i>	0.17		
		<i>For Up To 100, Add</i>	3.09		
		<i>For &gt;100 To 500, Add</i>	1.44		
		<i>For &gt;500 To 1,500, Add</i>	0.69		
05 36 00 00-0008	SF	2" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.89		
		<i>For Painted, Deduct</i>	-0.18		
		<i>For Perforated Or Slotted, Add</i>	0.18		
		<i>For Up To 100, Add</i>	3.70		
		<i>For &gt;100 To 500, Add</i>	1.69		
		<i>For &gt;500 To 1,500, Add</i>	0.84		
05 36 00 00-0009	SF	2" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	7.64		
		<i>For Painted, Deduct</i>	-0.19		
		<i>For Perforated Or Slotted, Add</i>	0.19		
		<i>For Up To 100, Add</i>	4.31		
		<i>For &gt;100 To 500, Add</i>	1.95		
		<i>For &gt;500 To 1,500, Add</i>	0.99		
05 36 00 00-0010	SF	3" Deep, 22 Gauge Composite Open Ribbed Galvanized Steel Deck.....	5.91		
		<i>For Painted, Deduct</i>	-0.17		
		<i>For Perforated Or Slotted, Add</i>	0.17		
		<i>For Up To 100, Add</i>	2.90		
		<i>For &gt;100 To 500, Add</i>	1.36		
		<i>For &gt;500 To 1,500, Add</i>	0.64		
05 36 00 00-0011	SF	3" Deep, 20 Gauge Composite Open Ribbed Galvanized Steel Deck.....	6.40		
		<i>For Painted, Deduct</i>	-0.17		
		<i>For Perforated Or Slotted, Add</i>	0.17		
		<i>For Up To 100, Add</i>	3.27		
		<i>For &gt;100 To 500, Add</i>	1.52		
		<i>For &gt;500 To 1,500, Add</i>	0.73		
05 36 00 00-0012	SF	3" Deep, 18 Gauge Composite Open Ribbed Galvanized Steel Deck.....	7.30		
		<i>For Painted, Deduct</i>	-0.19		
		<i>For Perforated Or Slotted, Add</i>	0.19		
		<i>For Up To 100, Add</i>	3.97		
		<i>For &gt;100 To 500, Add</i>	1.81		
		<i>For &gt;500 To 1,500, Add</i>	0.90		
05 36 00 00-0013	SF	3" Deep, 16 Gauge Composite Open Ribbed Galvanized Steel Deck.....	8.23		
		<i>For Painted, Deduct</i>	-0.20		
		<i>For Perforated Or Slotted, Add</i>	0.20		
		<i>For Up To 100, Add</i>	4.68		
		<i>For &gt;100 To 500, Add</i>	2.11		
		<i>For &gt;500 To 1,500, Add</i>	1.07		

**05 36 00 00-0014**

**Composite Cellular Galvanized Steel Deck (05 36)**

Note: Composite decking has rolled-in embossments or ridges designed to interlock with the concrete slab. Cellular decking is made of a top ribbed sheet and a bottom flat sheet welded together to create hollow longitudinal cells within the panels.

05 36 00 00-0015	SF	1-1/2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	9.58		
		<i>For Painted, Deduct</i>	-0.28		
		<i>For Perforated Or Slotted, Add</i>	0.28		
		<i>For Insulated Cells, Add</i>	1.25		
		<i>For Up To 100, Add</i>	4.59		
		<i>For &gt;100 To 500, Add</i>	2.17		
		<i>For &gt;500 To 1,500, Add</i>	1.01		
05 36 00 00-0016	SF	1-1/2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.29		
		<i>For Painted, Deduct</i>	-0.29		
		<i>For Perforated Or Slotted, Add</i>	0.29		
		<i>For Insulated Cells, Add</i>	1.31		
		<i>For Up To 100, Add</i>	5.03		
		<i>For &gt;100 To 500, Add</i>	2.36		
		<i>For &gt;500 To 1,500, Add</i>	1.11		
05 36 00 00-0017	SF	1-1/2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	10.46		
		<i>For Painted, Deduct</i>	-0.29		
		<i>For Perforated Or Slotted, Add</i>	0.29		
		<i>For Insulated Cells, Add</i>	1.31		
		<i>For Up To 100, Add</i>	5.20		
		<i>For &gt;100 To 500, Add</i>	2.43		
		<i>For &gt;500 To 1,500, Add</i>	1.16		

## 05 Metals

## 05 30 Metal Decking

## 05 36 Composite Metal Decking

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

05 36 00 00-0018	SF 1-1/2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	11.20	
	<i>For Painted, Deduct</i>	-0.30	
	<i>For Perforated Or Slotted, Add</i>	0.30	
	<i>For Insulated Cells, Add</i>	1.36	
	<i>For Up To 100, Add</i>	5.75	
	<i>For &gt;100 To 500, Add</i>	2.66	
	<i>For &gt;500 To 1,500, Add</i>	1.29	
05 36 00 00-0019	SF 1-1/2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	12.02	
	<i>For Painted, Deduct</i>	-0.32	
	<i>For Perforated Or Slotted, Add</i>	0.32	
	<i>For Insulated Cells, Add</i>	1.45	
	<i>For Up To 100, Add</i>	6.22	
	<i>For &gt;100 To 500, Add</i>	2.87	
	<i>For &gt;500 To 1,500, Add</i>	1.39	
05 36 00 00-0020	SF 1-1/2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	12.20	
	<i>For Painted, Deduct</i>	-0.32	
	<i>For Perforated Or Slotted, Add</i>	0.32	
	<i>For Insulated Cells, Add</i>	1.45	
	<i>For Up To 100, Add</i>	6.40	
	<i>For &gt;100 To 500, Add</i>	2.95	
	<i>For &gt;500 To 1,500, Add</i>	1.44	
05 36 00 00-0021	SF 1-1/2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	12.93	
	<i>For Painted, Deduct</i>	-0.33	
	<i>For Perforated Or Slotted, Add</i>	0.33	
	<i>For Insulated Cells, Add</i>	1.50	
	<i>For Up To 100, Add</i>	6.93	
	<i>For &gt;100 To 500, Add</i>	3.17	
	<i>For &gt;500 To 1,500, Add</i>	1.57	
05 36 00 00-0022	SF 2" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	9.94	
	<i>For Painted, Deduct</i>	-0.28	
	<i>For Perforated Or Slotted, Add</i>	0.28	
	<i>For Insulated Cells, Add</i>	1.27	
	<i>For Up To 100, Add</i>	4.85	
	<i>For &gt;100 To 500, Add</i>	2.28	
	<i>For &gt;500 To 1,500, Add</i>	1.07	
05 36 00 00-0023	SF 2" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.53	
	<i>For Painted, Deduct</i>	-0.30	
	<i>For Perforated Or Slotted, Add</i>	0.30	
	<i>For Insulated Cells, Add</i>	1.33	
	<i>For Up To 100, Add</i>	5.21	
	<i>For &gt;100 To 500, Add</i>	2.44	
	<i>For &gt;500 To 1,500, Add</i>	1.16	
05 36 00 00-0024	SF 2" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	10.71	
	<i>For Painted, Deduct</i>	-0.30	
	<i>For Perforated Or Slotted, Add</i>	0.30	
	<i>For Insulated Cells, Add</i>	1.33	
	<i>For Up To 100, Add</i>	5.39	
	<i>For &gt;100 To 500, Add</i>	2.51	
	<i>For &gt;500 To 1,500, Add</i>	1.20	
05 36 00 00-0025	SF 2" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	11.55	
	<i>For Painted, Deduct</i>	-0.31	
	<i>For Perforated Or Slotted, Add</i>	0.31	
	<i>For Insulated Cells, Add</i>	1.40	
	<i>For Up To 100, Add</i>	5.93	
	<i>For &gt;100 To 500, Add</i>	2.75	
	<i>For &gt;500 To 1,500, Add</i>	1.33	
05 36 00 00-0026	SF 2" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	12.28	
	<i>For Painted, Deduct</i>	-0.33	
	<i>For Perforated Or Slotted, Add</i>	0.33	
	<i>For Insulated Cells, Add</i>	1.47	
	<i>For Up To 100, Add</i>	6.40	
	<i>For &gt;100 To 500, Add</i>	2.95	
	<i>For &gt;500 To 1,500, Add</i>	1.44	
05 36 00 00-0027	SF 2" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	12.53	
	<i>For Painted, Deduct</i>	-0.33	
	<i>For Perforated Or Slotted, Add</i>	0.33	
	<i>For Insulated Cells, Add</i>	1.47	
	<i>For Up To 100, Add</i>	6.65	
	<i>For &gt;100 To 500, Add</i>	3.05	
	<i>For &gt;500 To 1,500, Add</i>	1.50	
05 36 00 00-0028	SF 2" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	13.25	
	<i>For Painted, Deduct</i>	-0.34	
	<i>For Perforated Or Slotted, Add</i>	0.34	
	<i>For Insulated Cells, Add</i>	1.53	
	<i>For Up To 100, Add</i>	7.11	
	<i>For &gt;100 To 500, Add</i>	3.25	
	<i>For &gt;500 To 1,500, Add</i>	1.61	
05 36 00 00-0029	SF 3" Deep, 20/20 Gauge Composite Cellular Galvanized Steel Deck.....	9.97	
	<i>For Painted, Deduct</i>	-0.28	
	<i>For Perforated Or Slotted, Add</i>	0.28	
	<i>For Insulated Cells, Add</i>	1.28	
	<i>For Up To 100, Add</i>	4.85	
	<i>For &gt;100 To 500, Add</i>	2.28	
	<i>For &gt;500 To 1,500, Add</i>	1.07	
05 36 00 00-0030	SF 3" Deep, 20/18 Gauge Composite Cellular Galvanized Steel Deck.....	10.63	
	<i>For Painted, Deduct</i>	-0.30	
	<i>For Perforated Or Slotted, Add</i>	0.30	
	<i>For Insulated Cells, Add</i>	1.33	
	<i>For Up To 100, Add</i>	5.31	
	<i>For &gt;100 To 500, Add</i>	2.48	
	<i>For &gt;500 To 1,500, Add</i>	1.18	

	<b>Metals 05</b>
	<b>Metal Decking 05 30</b>
	<b>Composite Metal Decking 05 36</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 36 00 00-0031	SF		3" Deep, 18/20 Gauge Composite Cellular Galvanized Steel Deck.....	10.88	
			<i>For Painted, Deduct</i>	-0.30	
			<i>For Perforated Or Slotted, Add</i>	0.30	
			<i>For Insulated Cells, Add</i>	1.33	
			<i>For Up To 100, Add</i>	5.56	
			<i>For &gt;100 To 500, Add</i>	2.58	
			<i>For &gt;500 To 1,500, Add</i>	1.24	
05 36 00 00-0032	SF		3" Deep, 18/18 Gauge Composite Cellular Galvanized Steel Deck.....	11.67	
			<i>For Painted, Deduct</i>	-0.31	
			<i>For Perforated Or Slotted, Add</i>	0.31	
			<i>For Insulated Cells, Add</i>	1.41	
			<i>For Up To 100, Add</i>	6.03	
			<i>For &gt;100 To 500, Add</i>	2.79	
			<i>For &gt;500 To 1,500, Add</i>	1.35	
05 36 00 00-0033	SF		3" Deep, 18/16 Gauge Composite Cellular Galvanized Steel Deck.....	12.47	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.49	
			<i>For Up To 100, Add</i>	6.49	
			<i>For &gt;100 To 500, Add</i>	3.00	
			<i>For &gt;500 To 1,500, Add</i>	1.46	
05 36 00 00-0034	SF		3" Deep, 16/18 Gauge Composite Cellular Galvanized Steel Deck.....	12.81	
			<i>For Painted, Deduct</i>	-0.33	
			<i>For Perforated Or Slotted, Add</i>	0.33	
			<i>For Insulated Cells, Add</i>	1.49	
			<i>For Up To 100, Add</i>	6.83	
			<i>For &gt;100 To 500, Add</i>	3.13	
			<i>For &gt;500 To 1,500, Add</i>	1.54	
05 36 00 00-0035	SF		3" Deep, 16/16 Gauge Composite Cellular Galvanized Steel Deck.....	13.42	
			<i>For Painted, Deduct</i>	-0.34	
			<i>For Perforated Or Slotted, Add</i>	0.34	
			<i>For Insulated Cells, Add</i>	1.53	
			<i>For Up To 100, Add</i>	7.28	
			<i>For &gt;100 To 500, Add</i>	3.32	
			<i>For &gt;500 To 1,500, Add</i>	1.65	

**05 40 Cold-Formed Metal Framing** <sup>(05)</sup>

Note: Includes all connecting bolts and welds.

**05 41 Structural Metal Stud Framing** <sup>(05-40)</sup>

Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.

05 41 00 00-0001			18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <sup>(05 41)</sup>		
05 41 00 00-0002	SF		2-1/2" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	5.96	1.12
			<i>For Walls &gt;10' High, Add</i>	1.19	
			<i>For Curved Wall, Add</i>	0.78	
			<i>For Up To 200, Add</i>	1.71	
			<i>For &gt;200 To 500, Add</i>	0.86	
			<i>For 12" On Center, Add</i>	1.06	
			<i>For 24" On Center, Deduct</i>	-1.06	
05 41 00 00-0003	SF		3-5/8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.67	1.12
			<i>For Walls &gt;10' High, Add</i>	1.33	
			<i>For Curved Wall, Add</i>	0.82	
			<i>For Up To 200, Add</i>	1.88	
			<i>For &gt;200 To 500, Add</i>	0.94	
			<i>For 12" On Center, Add</i>	1.20	
			<i>For 24" On Center, Deduct</i>	-1.20	
05 41 00 00-0004	SF		4" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.95	1.12
			<i>For Walls &gt;10' High, Add</i>	1.39	
			<i>For Curved Wall, Add</i>	0.86	
			<i>For Up To 200, Add</i>	1.96	
			<i>For &gt;200 To 500, Add</i>	0.98	
			<i>For 12" On Center, Add</i>	1.25	
			<i>For 24" On Center, Deduct</i>	-1.25	
05 41 00 00-0005	SF		6" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	8.89	1.24
			<i>For Walls &gt;10' High, Add</i>	1.78	
			<i>For Curved Wall, Add</i>	0.89	
			<i>For Up To 200, Add</i>	2.37	
			<i>For &gt;200 To 500, Add</i>	1.19	
			<i>For 12" On Center, Add</i>	1.63	
			<i>For 24" On Center, Deduct</i>	-1.63	
05 41 00 00-0006	SF		8" Width, 16" On Center, 18 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	9.95	1.36
			<i>For Walls &gt;10' High, Add</i>	1.99	
			<i>For Curved Wall, Add</i>	0.93	
			<i>For Up To 200, Add</i>	2.61	
			<i>For &gt;200 To 500, Add</i>	1.31	
			<i>For 12" On Center, Add</i>	1.84	
			<i>For 24" On Center, Deduct</i>	-1.84	
05 41 00 00-0007			16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners <sup>(05 41)</sup>		

**05 Metals****05 40 Cold-Formed Metal Framing****05 41 Structural Metal Stud Framing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 41 00 00-0008	SF 2-1/2" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	6.40	1.12
	For Walls >10' High, Add	1.28	
	For Curved Wall, Add	0.82	
	For Up To 200, Add	1.83	
	For >200 To 500, Add	0.91	
	For 12" On Center, Add	1.14	
	For 24" On Center, Deduct	-1.14	
05 41 00 00-0009	SF 3-5/8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	7.43	1.13
	For Walls >10' High, Add	1.49	
	For Curved Wall, Add	0.86	
	For Up To 200, Add	2.06	
	For >200 To 500, Add	1.03	
	For 12" On Center, Add	1.34	
	For 24" On Center, Deduct	-1.34	
05 41 00 00-0010	SF 4" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	7.84	1.13
	For Walls >10' High, Add	1.57	
	For Curved Wall, Add	0.90	
	For Up To 200, Add	2.17	
	For >200 To 500, Add	1.08	
	For 12" On Center, Add	1.42	
	For 24" On Center, Deduct	-1.42	
05 41 00 00-0011	SF 6" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.96	1.36
	For Walls >10' High, Add	1.99	
	For Curved Wall, Add	0.94	
	For Up To 200, Add	2.62	
	For >200 To 500, Add	1.31	
	For 12" On Center, Add	1.84	
	For 24" On Center, Deduct	-1.84	
05 41 00 00-0012	SF 8" Width, 16" On Center, 16 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	10.99	1.49
	For Walls >10' High, Add	2.20	
	For Curved Wall, Add	0.98	
	For Up To 200, Add	2.85	
	For >200 To 500, Add	1.43	
	For 12" On Center, Add	2.03	
	For 24" On Center, Deduct	-2.03	

**05 41 00 00-0013 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners** (05 41)

05 41 00 00-0014	SF 3-5/8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners .....	8.82	1.55
	For Walls >10' High, Add	1.76	
	For Curved Wall, Add	1.03	
	For Up To 200, Add	2.45	
	For >200 To 500, Add	1.23	
	For 12" On Center, Add	1.59	
	For 24" On Center, Deduct	-1.59	
05 41 00 00-0015	SF 4" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	9.06	1.57
	For Walls >10' High, Add	1.81	
	For Curved Wall, Add	1.05	
	For Up To 200, Add	2.51	
	For >200 To 500, Add	1.26	
	For 12" On Center, Add	1.64	
	For 24" On Center, Deduct	-1.64	
05 41 00 00-0016	SF 6" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	11.45	1.66
	For Walls >10' High, Add	2.29	
	For Curved Wall, Add	1.11	
	For Up To 200, Add	3.03	
	For >200 To 500, Add	1.51	
	For 12" On Center, Add	2.11	
	For 24" On Center, Deduct	-2.11	
05 41 00 00-0017	SF 8" Width, 16" On Center, 14 Gauge, Load Bearing, Structural Metal Stud Framing With Tracks And Runners.....	12.58	1.73
	For Walls >10' High, Add	2.52	
	For Curved Wall, Add	1.16	
	For Up To 200, Add	3.29	
	For >200 To 500, Add	1.64	
	For 12" On Center, Add	2.32	
	For 24" On Center, Deduct	-2.32	

**05 42 Cold-Formed Metal Joist Framing** (05 40)**05 42 13 Cold-Formed Metal Floor Joist Framing** (05 42)

Note: Floor or roof joist framing

05 42 13 00-0001	Steel Joists, 18 Gauge <small>(05 42 13)</small>		
05 42 13 00-0002	LF 5-1/2" - 18 Gauge Steel Joists .....	14.14	2.96
05 42 13 00-0003	LF 6" - 18 Gauge Steel Joists .....	15.40	3.72
05 42 13 00-0004	LF 7-1/4" - 18 Gauge Steel Joists .....	16.69	4.08
05 42 13 00-0005	LF 8" - 18 Gauge Steel Joists .....	17.17	4.34
05 42 13 00-0006	Steel Joists, 16 Gauge <small>(05 42 13)</small>		
05 42 13 00-0007	LF 7-1/4" - 16 Gauge Steel Joists .....	18.10	4.12
05 42 13 00-0008	LF 8" - 16 Gauge Steel Joists .....	19.11	4.34
05 42 13 00-0009	Steel Joists, 14 Gauge <small>(05 42 13)</small>		
05 42 13 00-0010	LF 9-1/4" - 14 Gauge Steel Joists .....	21.65	4.34
05 42 13 00-0011	LF 11-1/2" - 14 Gauge Steel Joists .....	23.54	4.57

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**05 42 23 Cold-Formed Metal Roof Joist Framing (05 42)**  
See CSI section 05 42 13 00-0000 for metal joist framing.

**05 43 Slotted Channel Framing (05 40)**

<b>05 43 00 00-0001</b>	<b>Unistrut Channel (05 43)</b> Note: Excludes fasteners and accessories.		
<b>05 43 00 00-0002</b>	<b>Steel Unistrut Channel (05 43 00 00-0001)</b>		
05 43 00 00-0003	LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel ..... For Galvanizing, Add ..... For Powder Coating, Add .....	16.71 1.43 1.26	4.14
05 43 00 00-0004	LF 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel ..... For Galvanizing, Add ..... For Powder Coating, Add .....	17.12 1.50 1.33	4.14
05 43 00 00-0005	LF 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel ..... For Galvanizing, Add ..... For Powder Coating, Add .....	17.75 1.61 1.42	4.14
05 43 00 00-0006	LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel ..... For Galvanizing, Add ..... For Powder Coating, Add .....	15.89 1.29 1.14	4.14
05 43 00 00-0007	LF 1-5/8" Wide x 13/16" High, 14 Gauge, Steel Unistrut Channel ..... For Galvanizing, Add ..... For Powder Coating, Add .....	14.10 0.99 0.87	4.14
<b>05 43 00 00-0008</b>	<b>Stainless Steel Unistrut Channel (05 43 00 00-0001)</b>		
<b>05 43 00 00-0009</b>	<b>304 Stainless Steel Unistrut Channel (05 43 00 00-0008)</b>		
05 43 00 00-0010	LF 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	34.37	4.14
05 43 00 00-0011	LF 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	40.75	4.14
05 43 00 00-0012	LF 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel .....	39.16	4.14
05 43 00 00-0013	LF 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel .....	49.01	4.14
<b>05 43 00 00-0014</b>	<b>316 Stainless Steel Unistrut Channel (05 43 00 00-0008)</b>		
05 43 00 00-0015	LF 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel .....	55.05	4.14
<b>05 43 00 00-0016</b>	<b>Unistrut Closure Strips (05 43)</b>		
05 43 00 00-0017	LF Steel Raceway Closure Strip For Unistrut Channel .....	8.16	0.92
<b>05 43 00 00-0018</b>	<b>Lock Nuts With Spring For Unistrut Channel (05 43)</b> Note: Includes hex bolt.		
<b>05 43 00 00-0019</b>	<b>Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)</b> Note: Includes hex bolt.		
05 43 00 00-0020	EA 1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	11.62	
05 43 00 00-0021	EA 3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	12.49	
05 43 00 00-0022	EA 1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....	13.15	
05 43 00 00-0023	EA 5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....	16.67	
<b>05 43 00 00-0024</b>	<b>Stainless Steel Lock Nuts With Spring For Unistrut Channel (05 43 00 00-0018)</b> Note: Includes hex bolt.		
05 43 00 00-0025	EA 1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	21.15	
05 43 00 00-0026	EA 3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	22.32	
05 43 00 00-0027	EA 1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	30.33	
05 43 00 00-0028	EA 5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	49.75	
<b>05 43 00 00-0029</b>	<b>Lock Nuts Without Spring For Unistrut Channel (05 43)</b> Note: Includes hex bolt.		
<b>05 43 00 00-0030</b>	<b>Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)</b> Note: Includes hex bolt.		
05 43 00 00-0031	EA 1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	11.65	
05 43 00 00-0032	EA 3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	12.61	
05 43 00 00-0033	EA 1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	13.20	
05 43 00 00-0034	EA 5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	17.68	
<b>05 43 00 00-0035</b>	<b>Stainless Steel Lock Nuts Without Spring For Unistrut Channel (05 43 00 00-0029)</b> Note: Includes hex bolt.		
05 43 00 00-0036	EA 1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	16.01	
05 43 00 00-0037	EA 3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	18.68	
05 43 00 00-0038	EA 1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	20.09	
05 43 00 00-0039	EA 5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	48.55	
<b>05 43 00 00-0040</b>	<b>Beam Clamp For Unistrut Channel (05 43)</b>		
05 43 00 00-0041	EA 1-5/8" Channel, P2675 Unistrut Beam Clamp .....	35.73	13.75
05 43 00 00-0042	EA 1-5/8" Channel, P2676 Unistrut Beam Clamp .....	43.39	13.75

**05 Metals****05 40 Cold-Formed Metal Framing****05 43 Slotted Channel Framing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 43 00 00-0043			<b>Beam Clamp Clevis Hangers For Unistrut Channel</b> (05 43)		
05 43 00 00-0044	EA		Up To 3/8" Rod, Beam Clamp Clevis Hanger (Unistrut P2674)	38.39	13.75
05 43 00 00-0045	EA		Up To 1/2" Rod, Beam Clamp Clevis Hanger (Unistrut P2677)	44.48	13.75
05 43 00 00-0046			<b>Other Unistrut Channel Accessories</b> (05 43)		
05 43 00 00-0047	EA		6-Hole Electrogalvanized Steel Shelf Bracket For Unistrut	197.84	18.33
05 43 00 00-0048			<b>Pipe And Rigid Conduit Clamps</b> (05 43)		
05 43 00 00-0049			<b>Pipe And Rigid Conduit Clamps</b> (05 43 00 00-0049)		
			Note: Includes stainless steel (316) hardware.		
05 43 00 00-0050	PR		1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.21	2.93
05 43 00 00-0051	PR		3/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	8.35	2.93
05 43 00 00-0052	PR		1" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	9.79	3.55
05 43 00 00-0053	PR		1-1/4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	10.39	3.85
05 43 00 00-0054	PR		1-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	12.83	4.31
05 43 00 00-0055	PR		2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	12.83	4.31
05 43 00 00-0056	PR		2-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	20.06	7.25
05 43 00 00-0057	PR		3" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	20.35	7.25
05 43 00 00-0058	PR		3-1/2" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	21.89	8.01
05 43 00 00-0059	PR		4" Pipe And Rigid Steel Conduit Clamps With Stainless Steel (316) Hardware	24.17	8.63
05 43 00 00-0060			<b>Pipe And Rigid Conduit Clamps</b> (05 43 00 00-0060)		
			Note: Includes nylon hardware.		
05 43 00 00-0061	PR		1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	12.94	2.93
05 43 00 00-0062	PR		3/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	13.37	2.93
05 43 00 00-0063	PR		1" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	14.81	3.55
05 43 00 00-0064	PR		1-1/4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	15.60	3.85
05 43 00 00-0065	PR		1-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	20.97	4.31
05 43 00 00-0066	PR		2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	20.97	4.31
05 43 00 00-0067	PR		2-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	31.05	7.25
05 43 00 00-0068	PR		3" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	31.90	7.25
05 43 00 00-0069	PR		3-1/2" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	33.63	8.01
05 43 00 00-0070	PR		4" Pipe And Rigid Steel Conduit Clamps With Nylon Hardware	37.52	8.63
05 43 00 00-0071			<b>Accessories For Unistrut Channel</b> (05 43)		
05 43 00 00-0072	EA		Trolley Truck Hanger, 1-5/8" Channel P1834	70.88	13.75
05 43 00 00-0073	EA		Flat Plate Fitting, One Hole, 1-5/8" Channel P1064	21.95	9.17
05 43 00 00-0074	EA		60 Degree Angle, 1-5/8" Channel P2097	22.67	9.17
05 43 00 00-0075			<b>Bases For Unistrut Channel</b> (05 43)		
05 43 00 00-0076			<b>Steel Bases For Unistrut Channel</b> (05 43 00 00-0076)		
			Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0077	EA		6" x 6", 1-5/8" Height, Single Post, Steel Base For Unistrut Channel	154.01	45.85
05 43 00 00-0078	EA		6" x 6", 3-1/2" Height, Single Post, Steel Base For Unistrut Channel	155.54	45.85
05 43 00 00-0079	EA		6" x 6", 1-5/8" Height, Double Post, Steel Base For Unistrut Channel	206.92	45.85
05 43 00 00-0080	EA		6" x 6", 3-1/2" Height, Double Post, Steel Base For Unistrut Channel	176.90	45.85
05 43 00 00-0081			<b>Stainless Steel Bases For Unistrut Channel</b> (05 43 00 00-0081)		
			Note: Includes straight or angled post mounting and fasteners.		
05 43 00 00-0082	EA		6" x 6", 1-5/8" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	264.20	45.85
05 43 00 00-0083	EA		6" x 6", 3-1/2" Height, Single Post, 304 Stainless Steel Base For Unistrut Channel	455.40	45.85
05 43 00 00-0084	EA		6" x 6", 3-1/2" Height, Double Post, 304 Stainless Steel Base For Unistrut Channel	351.78	45.85
05 43 00 00-0085	EA		6" x 6", 1-5/8" Height, Single Post, 316 Stainless Steel Base For Unistrut Channel	506.83	45.85
05 43 00 00-0086	EA		6" x 6", 3-1/2" Height, Double Post, 316 Stainless Steel Base For Unistrut Channel	444.45	45.85
<b>05 45 Metal Support Assemblies</b> (05 40)					
<b>05 45 13 Mechanical Metal Supports</b> (05 45)					
			See CSI section 23 05 29 00-0000 for metal supports.		
<b>05 45 16 Electrical Metal Supports</b> (05 45)					
			See CSI section 26 05 29 00-0000 for metal supports.		
<b>05 50 Metal Fabrications</b> (05)					
<b>05 51 Metal Stairs</b> (05 50)					
<b>05 51 13 Metal Pan Stairs</b> (05 51)					
			Note: Open concrete filled metal pan stair and landing including steel stringer, safety nosing and concrete. Excludes handrail.		
			See CSI section 05 52 13 00-0000 for handrails.		
05 51 13 00-0001			<b>Open Concrete Filled Metal Pan Stair And Landing</b> (05 51 13)		
			Note: Includes steel stringer, safety nosing and concrete. Excludes handrail.		
05 51 13 00-0002	RSR		3'-6" Wide Open Concrete Filled Metal Pan Tread Stair	1,247.94	52.79
			For Closed Riser, Add	142.52	
05 51 13 00-0003	RSR		4'-0" Wide Open Concrete Filled Metal Pan Tread Stair	1,419.30	61.58
			For Closed Riser, Add	161.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 51 13 00-004	RSR	5'-0" Wide Open Concrete Filled Metal Pan Tread Stair <i>For Closed Riser, Add</i>	1,583.65	72.15	
			180.14		
05 51 13 00-005	SF	Concrete Filled Steel Pan Landing <i>Note: Conventional shape.</i>	98.23	8.80	

**05 51 19 Metal Grating Stairs (05 51)**

*Note: Open steel grating tread metal stair and landing including steel stringers, safety nosing and 2 pipe handrail.*

**05 51 19 00-0001 Open Steel Grating Tread Metal Stair And Landing (05 51 19)**

*Note: Includes steel stringers, safety nosing and 2 pipe handrail.*

05 51 19 00-0002	RSR	3'-6" Wide Open Steel Grating Tread Metal Stair <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	621.62	70.39	
			73.07		
			120.21		
05 51 19 00-0003	RSR	4'-0" Wide Open Steel Grating Tread Metal Stair <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	665.63	80.95	
			77.63		
			125.94		
05 51 19 00-0004	RSR	5'-0" Wide Open Steel Grating Tread Metal Stair <i>For Closed Riser, Add</i> <i>For Galvanized Steel, Add</i>	739.58	95.03	
			85.69		
			137.39		
05 51 19 00-0005	SF	Steel Grating Landing With Framing And 2 Pipe Handrail <i>Note: Conventional shape.</i> <i>For Galvanized Steel, Add</i>	117.62	8.80	
			20.61		

**05 51 33 Metal Ladders (05 51)**

*Note: Includes factory prime.*

**05 51 33 13 Vertical Metal Ladders (05 51 33)**

**05 51 33 13-0001 Vertical Ladders (05 51 33 13)**

*Note: Climbing rungs are 3/4" corrugated steel round rungs on 12" centers. Stand-off brackets are 7"*

05 51 33 13-0002	VLF	20" Wide Fixed Vertical Steel Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	131.47	21.12	
			16.31		
			32.61		
05 51 33 13-0003	VLF	24" Wide Fixed Vertical Steel Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	148.00	21.12	
			20.44		
			40.88		
05 51 33 13-0004	VLF	20" Wide Fixed Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	301.63	35.19	
			47.37		
			94.73		
05 51 33 13-0005	VLF	24" Wide Fixed Vertical Steel Caged Ladder Primed <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	334.68	35.19	
			55.63		
			111.26		

**05 51 33 13-0006 Vertical Ladders Options (05 51 33 13)**

05 51 33 13-0007	EA	20" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed <i>Note: Extends 42" above landing surface. Includes mounting bracket.</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	493.19	65.99	
			90.30		
			180.61		
05 51 33 13-0008	EA	24" Wide Vertical Steel Ladder Walk-Thru Handrails, Primed <i>Note: Extends 42" above landing surface. Includes mounting bracket.</i> <i>For Galvanized Steel, Add</i> <i>For Aluminum, Add</i>	539.17	70.39	
			99.60		
			199.20		
05 51 33 13-0009	EA	Security Cage Entry Gate With Lockable Hasp	560.43	21.99	
05 51 33 13-0010	EA	6' Powder Coated, Security Ladder Guard	1,546.79	131.98	
05 51 33 13-0011	EA	8' Powder Coated, Security Ladder Guard	1,848.41	153.97	
05 51 33 13-0012	EA	Safety Chain Attachment	279.54		

**05 51 33 13-0013 Welded Steel Ladder Cages (05 51 33 13)**

*Note: For existing fixed ladders up to 20" wide. Excludes the ladder.*

**05 51 33 13-0014 Powder Coated, Welded Steel Ladder Cages (05 51 33 13-0013)**

05 51 33 13-0015	EA	7-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,649.74	263.95	
05 51 33 13-0016	EA	8-1/2' Length, Powder Coated, Welded Steel Ladder Cage	2,870.97	272.75	
05 51 33 13-0017	EA	9-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,047.92	281.55	
05 51 33 13-0018	EA	10-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,236.68	290.34	
05 51 33 13-0019	EA	11-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,348.72	299.14	
05 51 33 13-0020	EA	12-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,528.63	307.94	
05 51 33 13-0021	EA	13-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,687.87	316.74	
05 51 33 13-0022	EA	14-1/2' Length, Powder Coated, Welded Steel Ladder Cage	3,894.34	325.54	
05 51 33 13-0023	EA	15-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,094.91	334.34	
05 51 33 13-0024	EA	16-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,260.05	343.14	
05 51 33 13-0025	EA	17-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,460.62	351.94	
05 51 33 13-0026	EA	18-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,655.28	360.74	
05 51 33 13-0027	EA	19-1/2' Length, Powder Coated, Welded Steel Ladder Cage	4,847.00	369.53	
05 51 33 13-0028	EA	20-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,192.16	378.33	
05 51 33 13-0029	EA	21-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,298.30	387.13	
05 51 33 13-0030	EA	22-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,478.20	395.93	
05 51 33 13-0031	EA	23-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,643.35	404.72	
05 51 33 13-0032	EA	24-1/2' Length, Powder Coated, Welded Steel Ladder Cage	5,796.69	413.52	
05 51 33 13-0033	EA	25-1/2' Length, Powder Coated, Welded Steel Ladder Cage	6,133.01	422.32	
05 51 33 13-0034	EA	26-1/2' Length, Powder Coated, Welded Steel Ladder Cage	6,315.87	431.12	
05 51 33 13-0035	EA	27-1/2' Length, Powder Coated, Welded Steel Ladder Cage	6,486.93	439.92	

**05 51 33 13-0036 Welded Stainless Steel Ladder Cages (05 51 33 13-0013)**

**05 Metals****05 50 Metal Fabrications****05 51 Metal Stairs**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 51 33 13-0037	EA	7-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,406.49	263.95
05 51 33 13-0038	EA	8-1/2' Length, Welded Stainless Steel Ladder Cage.....	6,840.20	272.75
05 51 33 13-0039	EA	9-1/2' Length, Welded Stainless Steel Ladder Cage.....	7,560.15	281.55
05 51 33 13-0040	EA	10-1/2' Length, Welded Stainless Steel Ladder Cage.....	7,917.12	290.34
05 51 33 13-0041	EA	11-1/2' Length, Welded Stainless Steel Ladder Cage.....	8,218.03	299.14
05 51 33 13-0042	EA	12-1/2' Length, Welded Stainless Steel Ladder Cage.....	8,616.32	307.94
05 51 33 13-0043	EA	13-1/2' Length, Welded Stainless Steel Ladder Cage.....	9,330.37	316.74
05 51 33 13-0044	EA	14-1/2' Length, Welded Stainless Steel Ladder Cage.....	9,693.25	325.54
05 51 33 13-0045	EA	15-1/2' Length, Welded Stainless Steel Ladder Cage.....	10,067.93	334.34
05 51 33 13-0046	EA	16-1/2' Length, Welded Stainless Steel Ladder Cage.....	10,478.02	343.14
05 51 33 13-0047	EA	17-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,206.83	351.94
05 51 33 13-0048	EA	18-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,572.65	360.74
05 51 33 13-0049	EA	19-1/2' Length, Welded Stainless Steel Ladder Cage.....	11,920.79	369.53
05 51 33 13-0050	EA	20-1/2' Length, Welded Stainless Steel Ladder Cage.....	12,496.14	378.33
05 51 33 13-0051	EA	21-1/2' Length, Welded Stainless Steel Ladder Cage.....	13,142.32	387.13
05 51 33 13-0052	EA	22-1/2' Length, Welded Stainless Steel Ladder Cage.....	13,502.24	395.93
05 51 33 13-0053	EA	23-1/2' Length, Welded Stainless Steel Ladder Cage.....	13,871.02	404.72
05 51 33 13-0054	EA	24-1/2' Length, Welded Stainless Steel Ladder Cage.....	14,216.18	413.52
05 51 33 13-0055	EA	25-1/2' Length, Welded Stainless Steel Ladder Cage.....	15,098.45	422.32
05 51 33 13-0056	EA	26-1/2' Length, Welded Stainless Steel Ladder Cage.....	15,443.63	431.12
05 51 33 13-0057	EA	27-1/2' Length, Welded Stainless Steel Ladder Cage.....	15,797.65	439.92

**05 51 33 16 Inclined Metal Ladders** (05 51 33)**05 51 33 16-0001 Industrial Ship Ladder, Incline Stairs** (05 51 33 16)

Note: Includes factory prime.

05 51 33 16-0002	RSR	3' Wide Industrial Steel Ship Ladder With 2 Rails Each Side.....	463.76	87.99
		<i>For Aluminum, Add</i>	<i>143.90</i>	

**05 51 33 23 Alternating Tread Ladders** (05 51 33)**05 51 33 23-0001 Vertical Ladders With Alternating Tread** (05 51 33 23)

05 51 33 23-0002	EA	4' Vertical Height Aluminum Alternating Tread Ladder .....	3,097.59	263.95
		<i>For Stainless Steel, Add</i>	<i>266.13</i>	
		<i>For Primed Steel, Deduct</i>	<i>-221.78</i>	
05 51 33 23-0003	EA	5' Vertical Height Aluminum Alternating Tread Ladder .....	3,532.69	279.79
		<i>For Stainless Steel, Add</i>	<i>324.28</i>	
		<i>For Primed Steel, Deduct</i>	<i>-252.93</i>	
05 51 33 23-0004	EA	6' Vertical Height Aluminum Alternating Tread Ladder .....	3,899.81	279.79
		<i>For Stainless Steel, Add</i>	<i>384.97</i>	
		<i>For Primed Steel, Deduct</i>	<i>-281.33</i>	
05 51 33 23-0005	EA	7' Vertical Height Aluminum Alternating Tread Ladder .....	4,474.00	351.58
		<i>For Stainless Steel, Add</i>	<i>445.62</i>	
		<i>For Primed Steel, Deduct</i>	<i>-305.33</i>	
05 51 33 23-0006	EA	8' Vertical Height Aluminum Alternating Tread Ladder .....	4,896.90	364.04
		<i>For Stainless Steel, Add</i>	<i>515.67</i>	
		<i>For Primed Steel, Deduct</i>	<i>-331.50</i>	
05 51 33 23-0007	EA	9' Vertical Height Aluminum Alternating Tread Ladder .....	5,221.29	364.04
		<i>For Stainless Steel, Add</i>	<i>581.12</i>	
		<i>For Primed Steel, Deduct</i>	<i>-350.68</i>	
05 51 33 23-0008	EA	10' Vertical Height Aluminum Alternating Tread Ladder .....	5,738.31	406.08
		<i>For Stainless Steel, Add</i>	<i>657.71</i>	
		<i>For Primed Steel, Deduct</i>	<i>-372.70</i>	
05 51 33 23-0009	EA	11' Vertical Height Aluminum Alternating Tread Ladder .....	6,101.76	406.08
		<i>For Stainless Steel, Add</i>	<i>735.96</i>	
		<i>For Primed Steel, Deduct</i>	<i>-391.72</i>	
05 51 33 23-0010	EA	12' Vertical Height Aluminum Alternating Tread Ladder .....	6,384.53	406.08
		<i>For Stainless Steel, Add</i>	<i>804.95</i>	
		<i>For Primed Steel, Deduct</i>	<i>-402.47</i>	

**05 52 Metal Railings** (05 50)**05 52 13 Pipe and Tube Railings** (05 52)

Note: Includes embedded steel sleeves, grouting, connection bolts (where necessary) and drilling of bolt (where necessary).

**05 52 13 00-0001 Welded Steel Pipe Railing** (05 52 13)

Note: Includes field welds and touch-up of welds.

**05 52 13 00-0002 Two Rail, Up To 42" High, Welded Steel Pipe Railings** (05 52 13 00-0001)

Note: Includes factory primed posts and two rails.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0003 LF 1" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	64.06	17.60
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
For 11 Gauge A513 Steel Tubing, Deduct	-6.35	
For 12 Gauge A513 Steel Tubing, Deduct	-7.22	
For 14 Gauge A513 Steel Tubing, Deduct	-9.53	
For 16 Gauge A513 Steel Tubing, Deduct	-11.26	
For ADA Handrail P-Loop End Return, Add Per Each	110.61	
For Additional Off Set Handrail, ADA Attachment, Add	16.94	
For Aluminum, Satin Finish, Add	12.13	
For Aluminum, Clear Anodized Finish, Add	18.77	
For Aluminum, Dark Anodized Finish, Add	21.65	
For Galvanizing, Add	11.55	
For Wrought Iron, Add	6.41	
For Solid Steel Rails, Add	12.81	
For 304 Stainless Steel, Add	92.38	
For 316 Stainless Steel, Add	103.93	
For 2" Wheel Guard, Add	2.74	
For 4" High Kick Plate, Add	3.61	
For 6" High Kick Plate, Add	5.77	
For Curved Rail, Add	27.88	
For Mounting On Stairs, Add	19.22	
For Mounting On Slopes, Add	6.41	
For Post Base Flange With Screws, Add Per Post	21.02	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.78	
For Custom Design Or Shapes (Square Tops, etc), Add	23.23	
For Nylon Coating, Add	4.33	
05 52 13 00-0004 LF 1-1/4" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	69.04	17.60
For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
For 11 Gauge A513 Steel Tubing, Deduct	-7.45	
For 12 Gauge A513 Steel Tubing, Deduct	-8.46	
For 14 Gauge A513 Steel Tubing, Deduct	-11.17	
For 16 Gauge A513 Steel Tubing, Deduct	-13.20	
For ADA Handrail P-Loop End Return, Add Per Each	129.29	
For Additional Off Set Handrail, ADA Attachment, Add	18.65	
For Aluminum, Satin Finish, Add	14.22	
For Aluminum, Clear Anodized Finish, Add	22.00	
For Aluminum, Dark Anodized Finish, Add	25.39	
For Galvanizing, Add	13.54	
For Wrought Iron, Add	6.90	
For Solid Steel Rails, Add	13.81	
For 304 Stainless Steel, Add	108.32	
For 316 Stainless Steel, Add	121.86	
For 2" Wheel Guard, Add	3.22	
For 4" High Kick Plate, Add	4.23	
For 6" High Kick Plate, Add	6.77	
For Curved Rail, Add	30.87	
For Mounting On Stairs, Add	20.71	
For Mounting On Slopes, Add	6.90	
For Post Base Flange With Screws, Add Per Post	21.02	
For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.78	
For Custom Design Or Shapes (Square Tops, etc), Add	25.72	
For Nylon Coating, Add	5.08	
For Schedule 80 Handrail, Add	15.40	

## 05 Metals

## 05 50 Metal Fabrications

## 05 52 Metal Railings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0005	LF	1-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	74.01	17.60
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
		For 11 Gauge A513 Steel Tubing, Deduct	-8.54	
		For 12 Gauge A513 Steel Tubing, Deduct	-9.71	
		For 14 Gauge A513 Steel Tubing, Deduct	-12.81	
		For 16 Gauge A513 Steel Tubing, Deduct	-15.14	
		For ADA Handrail P-Loop End Return, Add Per Each	144.38	
		For Additional Off Set Handrail, ADA Attachment, Add	20.35	
		For Aluminum, Satin Finish, Add	16.30	
		For Aluminum, Clear Anodized Finish, Add	25.23	
		For Aluminum, Dark Anodized Finish, Add	29.12	
		For Galvanizing, Add	15.53	
		For Wrought Iron, Add	7.40	
		For Solid Steel Rails, Add	14.80	
		For 304 Stainless Steel, Add	124.22	
		For 316 Stainless Steel, Add	139.75	
		For 2" Wheel Guard, Add	3.69	
		For 4" High Kick Plate, Add	4.85	
		For 6" High Kick Plate, Add	7.76	
		For Curved Rail, Add	33.85	
		For Mounting On Stairs, Add	22.20	
		For Mounting On Slopes, Add	7.40	
		For Post Base Flange With Screws, Add Per Post	21.02	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.78	
		For Custom Design Or Shapes (Square Tops, etc), Add	28.21	
		For Nylon Coating, Add	5.82	
05 52 13 00-0006	LF	2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing.....	82.63	17.60
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	161.02	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	117.11	
		For 11 Gauge A513 Steel Tubing, Deduct	-10.44	
		For 12 Gauge A513 Steel Tubing, Deduct	-11.86	
		For 14 Gauge A513 Steel Tubing, Deduct	-15.66	
		For 16 Gauge A513 Steel Tubing, Deduct	-18.50	
		For ADA Handrail P-Loop End Return, Add Per Each	171.18	
		For Additional Off Set Handrail, ADA Attachment, Add	23.31	
		For Aluminum, Satin Finish, Add	19.92	
		For Aluminum, Clear Anodized Finish, Add	30.84	
		For Aluminum, Dark Anodized Finish, Add	35.58	
		For Galvanizing, Add	18.98	
		For Wrought Iron, Add	8.26	
		For Solid Steel Rails, Add	16.53	
		For 304 Stainless Steel, Add	151.81	
		For 316 Stainless Steel, Add	170.78	
		For 2" Wheel Guard, Add	4.51	
		For 4" High Kick Plate, Add	5.93	
		For 6" High Kick Plate, Add	9.49	
		For Curved Rail, Add	39.02	
		For Mounting On Stairs, Add	24.79	
		For Mounting On Slopes, Add	8.26	
		For Post Base Flange With Screws, Add Per Post	21.02	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.78	
		For Custom Design Or Shapes (Square Tops, etc), Add	32.52	
		For Nylon Coating, Add	7.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0007	LF		2-1/2" Diameter, Schedule 40, Two Rail, Up To 42" High, Welded Steel Pipe Railing .....	92.97	17.60
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	161.02	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	117.11	
			For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	163.45	
			For 11 Gauge A513 Steel Tubing, Deduct	-12.71	
			For 12 Gauge A513 Steel Tubing, Deduct	-14.45	
			For 14 Gauge A513 Steel Tubing, Deduct	-19.07	
			For 16 Gauge A513 Steel Tubing, Deduct	-22.53	
			For ADA Handrail P-Loop End Return, Add Per Each	227.06	
			For Additional Off Set Handrail, ADA Attachment, Add	26.86	
			For Aluminum, Satin Finish, Add	24.27	
			For Aluminum, Clear Anodized Finish, Add	37.56	
			For Aluminum, Dark Anodized Finish, Add	43.34	
			For Galvanizing, Add	23.11	
			For Wrought Iron, Add	9.30	
			For Solid Steel Rails, Add	18.59	
			For 304 Stainless Steel, Add	184.90	
			For 316 Stainless Steel, Add	208.01	
			For 2" Wheel Guard, Add	5.49	
			For 4" High Kick Plate, Add	7.22	
			For 6" High Kick Plate, Add	11.56	
			For Curved Rail, Add	45.23	
			For Mounting On Stairs, Add	27.89	
			For Mounting On Slopes, Add	9.30	
			For Post Base Flange With Screws, Add Per Post	21.02	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	31.78	
			For Custom Design Or Shapes (Square Tops, etc), Add	37.69	
			For Nylon Coating, Add	8.67	

**05 52 13 00-0008 Three Rail, Up To 42" High, Welded Steel Pipe Railings** (05 52 13 00-0001)

Note: Includes factory primed posts and three rails.

05 52 13 00-0009	LF		1" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing .....	95.28	21.12
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 11 Gauge A513 Steel Tubing, Deduct	-11.67	
			For 12 Gauge A513 Steel Tubing, Deduct	-13.26	
			For 14 Gauge A513 Steel Tubing, Deduct	-17.51	
			For 16 Gauge A513 Steel Tubing, Deduct	-20.69	
			For ADA Handrail P-Loop End Return, Add Per Each	110.61	
			For Additional Off Set Handrail, ADA Attachment, Add	18.35	
			For Aluminum, Satin Finish, Add	22.28	
			For Aluminum, Clear Anodized Finish, Add	34.48	
			For Aluminum, Dark Anodized Finish, Add	39.79	
			For Galvanizing, Add	21.22	
			For Wrought Iron, Add	9.53	
			For Solid Steel Rails, Add	19.06	
			For 304 Stainless Steel, Add	169.76	
			For 316 Stainless Steel, Add	190.98	
			For 2" Wheel Guard, Add	5.04	
			For 4" High Kick Plate, Add	6.63	
			For 6" High Kick Plate, Add	10.61	
			For Curved Rail, Add	44.50	
			For Mounting On Stairs, Add	28.58	
			For Mounting On Slopes, Add	9.53	
			For Post Base Flange With Screws, Add Per Post	21.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	32.83	
			For Custom Design Or Shapes (Square Tops, etc), Add	37.08	
			For Nylon Coating, Add	7.96	

## 05 Metals

## 05 50 Metal Fabrications

## 05 52 Metal Railings

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52	13 00-0010	LF	1-1/4" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	104.41	21.12
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
			For 11 Gauge A513 Steel Tubing, Deduct	-13.68	
			For 12 Gauge A513 Steel Tubing, Deduct	-15.55	
			For 14 Gauge A513 Steel Tubing, Deduct	-20.52	
			For 16 Gauge A513 Steel Tubing, Deduct	-24.25	
			For ADA Handrail P-Loop End Return, Add Per Each	129.29	
			For Additional Off Set Handrail, ADA Attachment, Add	20.06	
			For Aluminum, Satin Finish, Add	26.12	
			For Aluminum, Clear Anodized Finish, Add	40.42	
			For Aluminum, Dark Anodized Finish, Add	46.64	
			For Galvanizing, Add	24.87	
			For Wrought Iron, Add	10.44	
			For Solid Steel Rails, Add	20.88	
			For 304 Stainless Steel, Add	198.98	
			For 316 Stainless Steel, Add	223.85	
			For 2" Wheel Guard, Add	5.91	
			For 4" High Kick Plate, Add	7.77	
			For 6" High Kick Plate, Add	12.44	
			For Curved Rail, Add	49.98	
			For Mounting On Stairs, Add	31.32	
			For Mounting On Slopes, Add	10.44	
			For Post Base Flange With Screws, Add Per Post	21.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	32.83	
			For Custom Design Or Shapes (Square Tops, etc), Add	41.65	
			For Nylon Coating, Add	9.33	
			For Schedule 80 Handrail, Add	21.45	
05 52	13 00-0011	LF	1-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	113.54	21.12
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
			For 11 Gauge A513 Steel Tubing, Deduct	-15.69	
			For 12 Gauge A513 Steel Tubing, Deduct	-17.83	
			For 14 Gauge A513 Steel Tubing, Deduct	-23.53	
			For 16 Gauge A513 Steel Tubing, Deduct	-27.81	
			For ADA Handrail P-Loop End Return, Add Per Each	144.38	
			For Additional Off Set Handrail, ADA Attachment, Add	21.76	
			For Aluminum, Satin Finish, Add	29.95	
			For Aluminum, Clear Anodized Finish, Add	46.35	
			For Aluminum, Dark Anodized Finish, Add	53.48	
			For Galvanizing, Add	28.52	
			For Wrought Iron, Add	11.35	
			For Solid Steel Rails, Add	22.71	
			For 304 Stainless Steel, Add	228.19	
			For 316 Stainless Steel, Add	256.72	
			For 2" Wheel Guard, Add	6.77	
			For 4" High Kick Plate, Add	8.91	
			For 6" High Kick Plate, Add	14.26	
			For Curved Rail, Add	55.46	
			For Mounting On Stairs, Add	34.06	
			For Mounting On Slopes, Add	11.35	
			For Post Base Flange With Screws, Add Per Post	21.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	32.83	
			For Custom Design Or Shapes (Square Tops, etc), Add	46.21	
			For Nylon Coating, Add	10.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52 13 00-0012	LF		2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	129.42	21.12
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	161.02	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	117.11	
			For 11 Gauge A513 Steel Tubing, Deduct	-19.18	
			For 12 Gauge A513 Steel Tubing, Deduct	-21.80	
			For 14 Gauge A513 Steel Tubing, Deduct	-28.77	
			For 16 Gauge A513 Steel Tubing, Deduct	-34.00	
			For ADA Handrail P-Loop End Return, Add Per Each	171.18	
			For Additional Off Set Handrail, ADA Attachment, Add	24.72	
			For Aluminum, Satin Finish, Add	36.62	
			For Aluminum, Clear Anodized Finish, Add	56.67	
			For Aluminum, Dark Anodized Finish, Add	65.39	
			For Galvanizing, Add	34.88	
			For Wrought Iron, Add	12.94	
			For Solid Steel Rails, Add	25.88	
			For 304 Stainless Steel, Add	279.01	
			For 316 Stainless Steel, Add	313.88	
			For 2" Wheel Guard, Add	8.28	
			For 4" High Kick Plate, Add	10.90	
			For 6" High Kick Plate, Add	17.44	
			For Curved Rail, Add	64.98	
			For Mounting On Stairs, Add	38.83	
			For Mounting On Slopes, Add	12.94	
			For Post Base Flange With Screws, Add Per Post	21.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	32.83	
			For Custom Design Or Shapes (Square Tops, etc), Add	54.15	
			For Nylon Coating, Add	13.08	
05 52 13 00-0013	LF		2-1/2" Diameter, Schedule 40, Three Rail, Up To 42" High, Welded Steel Pipe Railing.....	148.32	21.12
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	161.02	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	117.11	
			For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	163.45	
			For 11 Gauge A513 Steel Tubing, Deduct	-23.34	
			For 12 Gauge A513 Steel Tubing, Deduct	-26.52	
			For 14 Gauge A513 Steel Tubing, Deduct	-35.01	
			For 16 Gauge A513 Steel Tubing, Deduct	-41.38	
			For ADA Handrail P-Loop End Return, Add Per Each	227.06	
			For Additional Off Set Handrail, ADA Attachment, Add	28.27	
			For Aluminum, Satin Finish, Add	44.56	
			For Aluminum, Clear Anodized Finish, Add	68.96	
			For Aluminum, Dark Anodized Finish, Add	79.57	
			For Galvanizing, Add	42.44	
			For Wrought Iron, Add	14.83	
			For Solid Steel Rails, Add	29.66	
			For 304 Stainless Steel, Add	339.49	
			For 316 Stainless Steel, Add	381.92	
			For 2" Wheel Guard, Add	10.08	
			For 4" High Kick Plate, Add	13.26	
			For 6" High Kick Plate, Add	21.22	
			For Curved Rail, Add	76.32	
			For Mounting On Stairs, Add	44.50	
			For Mounting On Slopes, Add	14.83	
			For Post Base Flange With Screws, Add Per Post	21.72	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	32.83	
			For Custom Design Or Shapes (Square Tops, etc), Add	63.60	
			For Nylon Coating, Add	15.91	

05 52 13 00-0014 Four Rail, Up To 42" High, Welded Steel Pipe Railings (05 52 13 00-0001)  
 Note: Includes factory primed posts and four rails.

## 05 Metals

## 05 50 Metal Fabrications

## 05 52 Metal Railings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0015	LF		1" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	114.37	24.64
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 11 Gauge A513 Steel Tubing, Deduct	-14.32	
			For 12 Gauge A513 Steel Tubing, Deduct	-16.28	
			For 14 Gauge A513 Steel Tubing, Deduct	-21.48	
			For 16 Gauge A513 Steel Tubing, Deduct	-25.39	
			For ADA Handrail P-Loop End Return, Add Per Each	110.61	
			For Additional Off Set Handrail, ADA Attachment, Add	19.75	
			For Aluminum, Satin Finish, Add	27.34	
			For Aluminum, Clear Anodized Finish, Add	42.32	
			For Aluminum, Dark Anodized Finish, Add	48.83	
			For Galvanizing, Add	26.04	
			For Wrought Iron, Add	11.44	
			For Solid Steel Rails, Add	22.87	
			For 304 Stainless Steel, Add	208.32	
			For 316 Stainless Steel, Add	234.36	
			For 2" Wheel Guard, Add	6.18	
			For 4" High Kick Plate, Add	8.14	
			For 6" High Kick Plate, Add	13.02	
			For Curved Rail, Add	53.84	
			For Mounting On Stairs, Add	34.31	
			For Mounting On Slopes, Add	11.44	
			For Post Base Flange With Screws, Add Per Post	22.43	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.89	
			For Custom Design Or Shapes (Square Tops, etc), Add	44.87	
			For Nylon Coating, Add	9.77	
05 52 13 00-0016	LF		1-1/4" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	122.48	24.64
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
			For 11 Gauge A513 Steel Tubing, Deduct	-16.11	
			For 12 Gauge A513 Steel Tubing, Deduct	-18.30	
			For 14 Gauge A513 Steel Tubing, Deduct	-24.16	
			For 16 Gauge A513 Steel Tubing, Deduct	-28.55	
			For ADA Handrail P-Loop End Return, Add Per Each	129.29	
			For Additional Off Set Handrail, ADA Attachment, Add	21.46	
			For Aluminum, Satin Finish, Add	30.75	
			For Aluminum, Clear Anodized Finish, Add	47.59	
			For Aluminum, Dark Anodized Finish, Add	54.91	
			For Galvanizing, Add	29.28	
			For Wrought Iron, Add	12.25	
			For Solid Steel Rails, Add	24.50	
			For 304 Stainless Steel, Add	234.27	
			For 316 Stainless Steel, Add	263.56	
			For 2" Wheel Guard, Add	6.95	
			For 4" High Kick Plate, Add	9.15	
			For 6" High Kick Plate, Add	14.64	
			For Curved Rail, Add	58.71	
			For Mounting On Stairs, Add	36.74	
			For Mounting On Slopes, Add	12.25	
			For Post Base Flange With Screws, Add Per Post	22.43	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.89	
			For Custom Design Or Shapes (Square Tops, etc), Add	48.92	
			For Nylon Coating, Add	10.98	
			For Schedule 80 Handrail, Add	27.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 52	13 00-0017	LF	1-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	130.59	24.64
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
			For 11 Gauge A513 Steel Tubing, Deduct	-17.89	
			For 12 Gauge A513 Steel Tubing, Deduct	-20.33	
			For 14 Gauge A513 Steel Tubing, Deduct	-26.84	
			For 16 Gauge A513 Steel Tubing, Deduct	-31.71	
			For ADA Handrail P-Loop End Return, Add Per Each	144.38	
			For Additional Off Set Handrail, ADA Attachment, Add	23.16	
			For Aluminum, Satin Finish, Add	34.15	
			For Aluminum, Clear Anodized Finish, Add	52.86	
			For Aluminum, Dark Anodized Finish, Add	60.99	
			For Galvanizing, Add	32.53	
			For Wrought Iron, Add	13.06	
			For Solid Steel Rails, Add	26.12	
			For 304 Stainless Steel, Add	260.22	
			For 316 Stainless Steel, Add	292.75	
			For 2" Wheel Guard, Add	7.73	
			For 4" High Kick Plate, Add	10.17	
			For 6" High Kick Plate, Add	16.26	
			For Curved Rail, Add	63.57	
			For Mounting On Stairs, Add	39.18	
			For Mounting On Slopes, Add	13.06	
			For Post Base Flange With Screws, Add Per Post	22.43	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.89	
			For Custom Design Or Shapes (Square Tops, etc), Add	52.98	
			For Nylon Coating, Add	12.20	
05 52	13 00-0018	LF	2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing.....	148.66	24.64
			For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
			For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
			For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
			For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
			For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
			For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
			For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
			For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
			For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
			For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
			For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
			For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
			For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
			For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	161.02	
			For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	117.11	
			For 11 Gauge A513 Steel Tubing, Deduct	-21.87	
			For 12 Gauge A513 Steel Tubing, Deduct	-24.85	
			For 14 Gauge A513 Steel Tubing, Deduct	-32.80	
			For 16 Gauge A513 Steel Tubing, Deduct	-38.76	
			For ADA Handrail P-Loop End Return, Add Per Each	171.18	
			For Additional Off Set Handrail, ADA Attachment, Add	26.12	
			For Aluminum, Satin Finish, Add	41.74	
			For Aluminum, Clear Anodized Finish, Add	64.60	
			For Aluminum, Dark Anodized Finish, Add	74.54	
			For Galvanizing, Add	39.76	
			For Wrought Iron, Add	14.87	
			For Solid Steel Rails, Add	29.73	
			For 304 Stainless Steel, Add	318.05	
			For 316 Stainless Steel, Add	357.80	
			For 2" Wheel Guard, Add	9.44	
			For 4" High Kick Plate, Add	12.42	
			For 6" High Kick Plate, Add	19.88	
			For Curved Rail, Add	74.42	
			For Mounting On Stairs, Add	44.60	
			For Mounting On Slopes, Add	14.87	
			For Post Base Flange With Screws, Add Per Post	22.43	
			For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.89	
			For Custom Design Or Shapes (Square Tops, etc), Add	62.01	
			For Nylon Coating, Add	14.91	

**05 Metals****05 50 Metal Fabrications****05 52 Metal Railings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 52 13 00-0019	LF	2-1/2" Diameter, Schedule 40, Four Rail, Up To 42" High, Welded Steel Pipe Railing .....	169.83	24.64
		For 1/2" Diameter Pickets, >2" To 3" On Center, Add	77.17	
		For 1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	56.87	
		For 1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	36.57	
		For 3/4" Diameter Pickets, >2" To 3" On Center, Add	89.78	
		For 3/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	66.17	
		For 3/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	42.55	
		For 1" Diameter Pickets, >2" To 3" On Center, Add	114.83	
		For 1" Diameter Pickets, >3" To 4-1/2" On Center, Add	84.63	
		For 1" Diameter Pickets, >4-1/2" To 6" On Center, Add	54.41	
		For 1-1/4" Diameter Pickets, >3" To 4-1/2" On Center, Add	114.64	
		For 1-1/4" Diameter Pickets, >4-1/2" To 6" On Center, Add	87.30	
		For 1-1/2" Diameter Pickets, >3" To 4-1/2" On Center, Add	129.63	
		For 1-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	96.94	
		For 2" Diameter Pickets, >3" To 4-1/2" On Center, Add	161.02	
		For 2" Diameter Pickets, >4-1/2" To 6" On Center, Add	117.11	
		For 2-1/2" Diameter Pickets, >4-1/2" To 6" On Center, Add	163.45	
		For 11 Gauge A513 Steel Tubing, Deduct	-26.52	
		For 12 Gauge A513 Steel Tubing, Deduct	-30.14	
		For 14 Gauge A513 Steel Tubing, Deduct	-39.78	
		For 16 Gauge A513 Steel Tubing, Deduct	-47.02	
		For ADA Handrail P-Loop End Return, Add Per Each	227.06	
		For Additional Off Set Handrail, ADA Attachment, Add	29.67	
		For Aluminum, Satin Finish, Add	50.64	
		For Aluminum, Clear Anodized Finish, Add	78.36	
		For Aluminum, Dark Anodized Finish, Add	90.42	
		For Galvanizing, Add	48.22	
		For Wrought Iron, Add	16.98	
		For Solid Steel Rails, Add	33.97	
		For 304 Stainless Steel, Add	385.79	
		For 316 Stainless Steel, Add	434.02	
		For 2" Wheel Guard, Add	11.45	
		For 4" High Kick Plate, Add	15.07	
		For 6" High Kick Plate, Add	24.11	
		For Curved Rail, Add	87.12	
		For Mounting On Stairs, Add	50.95	
		For Mounting On Slopes, Add	16.98	
		For Post Base Flange With Screws, Add Per Post	22.43	
		For Embedded Stainless Steel Post Sleeves (Excludes Core Drilling), Add Per Post	33.89	
		For Custom Design Or Shapes (Square Tops, etc), Add	72.60	
		For Nylon Coating, Add	18.08	

**05 52 13 00-0020 Railing Infill Panels** (05 52 13)

Note: Includes field welds and touch-up of welds.

**05 52 13 00-0021 Wire Mesh Or Welded Wire Mesh, Railing Infill Panels** (05 52 13 00-0020)

Note: Square weave or square welded wire mesh.

05 52 13 00-0022	SF	Powder Coated Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	15.28	
05 52 13 00-0023	SF	Galvanized Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	16.23	
05 52 13 00-0024	SF	Aluminum, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel .....	17.06	
05 52 13 00-0025	SF	Stainless Steel, Wire Mesh Or Welded Wire Mesh, Railing Infill Panel.....	28.85	

**05 52 13 00-0026 Perforated Metal, Railing Infill Panels** (05 52 13 00-0020)

05 52 13 00-0027	SF	Powder Coated Steel, Perforated Metal, Railing Infill Panel .....	14.99	
05 52 13 00-0028	SF	Galvanized Steel, Perforated Metal, Railing Infill Panel .....	15.50	
05 52 13 00-0029	SF	Aluminum, Perforated Metal, Railing Infill Panel .....	16.59	
05 52 13 00-0030	SF	Stainless Steel, Perforated Metal, Railing Infill Panel .....	33.29	

**05 52 13 00-0031 Expanded Metal, Railing Infill Panels** (05 52 13 00-0020)

05 52 13 00-0032	SF	Powder Coated Steel, Expanded Metal, Railing Infill Panel.....	6.76	
05 52 13 00-0033	SF	Galvanized Steel, Expanded Metal, Railing Infill Panel .....	13.82	
05 52 13 00-0034	SF	Aluminum, Expanded Metal, Railing Infill Panel.....	18.14	
05 52 13 00-0035	SF	Stainless Steel, Expanded Metal, Railing Infill Panel.....	27.05	

**05 52 13 00-0036 Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railings** (05 52 13)

Note: Includes factory primed, fasteners and field touch-up of welds.

05 52 13 00-0037	LF	1" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	48.49	10.56
		For 11 Gauge A513 Steel Tubing, Deduct	-4.86	
		For 12 Gauge A513 Steel Tubing, Deduct	-5.53	
		For 14 Gauge A513 Steel Tubing, Deduct	-7.29	
		For 16 Gauge A513 Steel Tubing, Deduct	-8.62	
		For Stainless Steel, Add	44.20	
		For Aluminum, Satin Finish, Add	9.28	
		For Curved Rail, Add	14.55	
		For Aluminum, Clear Anodized Finish, Add	14.37	
		For Aluminum, Dark Anodized Finish, Add	16.58	
		For Galvanized Finish, Add	6.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 52 13 00-0038	LF		1-1/4" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	49.20	10.56
			For 11 Gauge A513 Steel Tubing, Deduct	-5.02	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.70	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.53	
			For 16 Gauge A513 Steel Tubing, Deduct	-8.90	
			For Stainless Steel, Add	45.62	
			For Aluminum, Satin Finish, Add	9.58	
			For Curved Rail, Add	14.76	
			For Aluminum, Clear Anodized Finish, Add	14.83	
			For Aluminum, Dark Anodized Finish, Add	17.11	
			For Galvanized Finish, Add	6.84	
05 52 13 00-0039	LF		1-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	49.92	10.56
			For 11 Gauge A513 Steel Tubing, Deduct	-5.18	
			For 12 Gauge A513 Steel Tubing, Deduct	-5.88	
			For 14 Gauge A513 Steel Tubing, Deduct	-7.76	
			For 16 Gauge A513 Steel Tubing, Deduct	-9.18	
			For Stainless Steel, Add	47.06	
			For Aluminum, Satin Finish, Add	9.88	
			For Curved Rail, Add	14.98	
			For Aluminum, Clear Anodized Finish, Add	15.29	
			For Aluminum, Dark Anodized Finish, Add	17.65	
			For Galvanized Finish, Add	7.06	
05 52 13 00-0040	LF		2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing.....	58.11	10.56
			For 11 Gauge A513 Steel Tubing, Deduct	-6.98	
			For 12 Gauge A513 Steel Tubing, Deduct	-7.93	
			For 14 Gauge A513 Steel Tubing, Deduct	-10.47	
			For 16 Gauge A513 Steel Tubing, Deduct	-12.37	
			For Stainless Steel, Add	63.44	
			For Aluminum, Satin Finish, Add	13.32	
			For Curved Rail, Add	17.43	
			For Aluminum, Clear Anodized Finish, Add	20.62	
			For Aluminum, Dark Anodized Finish, Add	23.79	
			For Galvanized Finish, Add	9.52	
05 52 13 00-0041	LF		2-1/2" Diameter, Schedule 40, Wall Bracket Mounted, Up To 42" High, Welded Steel Pipe Railing .....	64.89	10.56
			For 11 Gauge A513 Steel Tubing, Deduct	-8.47	
			For 12 Gauge A513 Steel Tubing, Deduct	-9.63	
			For 14 Gauge A513 Steel Tubing, Deduct	-12.71	
			For 16 Gauge A513 Steel Tubing, Deduct	-15.02	
			For Stainless Steel, Add	77.00	
			For Aluminum, Satin Finish, Add	16.17	
			For Curved Rail, Add	19.47	
			For Aluminum, Clear Anodized Finish, Add	25.03	
			For Aluminum, Dark Anodized Finish, Add	28.88	
			For Galvanized Finish, Add	11.55	
<b>05 52 13 00-0042 Remove/Reinstall Pipe Railing (05 52 13)</b>					
05 52 13 00-0043	LF		Removal And Installation Of Wall Bracket Mounted Pipe Railing .....	39.59	
05 52 13 00-0044	LF		Removal And Installation Of Floor Mounted Pipe Railing.....	51.87	
05 52 13 00-0045	EA		Install New Galvanized Steel Pipe Railing Bracket.....	86.39	
			For Stainless Steel, Add	67.20	
<b>05 53 Metal Gratings (05 50)</b>					
<b>05 53 13 Bar Gratings (05 53)</b>					
05 53 13 00-0001			<b>Welded Grating (05 53 13)</b> Note: Sizes are for height and width of bearing bars. Welded grating is open grid grating which has bearing bars and cross bars locked in place by resistance welding, or conventional hand welding. Resistance welded grating is produced on precise automated production equipment by combining hydraulic pressure with a powerful electric current to fuse - electroforge - the cross bar and bearing bar into a single rigid panel.		
05 53 13 00-0002			<b>Steel, Welded Grating (05 53 13 00-0001)</b> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0003	SF		3/4" x 1/8" Steel, Welded Grating .....	15.67	1.94
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.01	
			For 304 Stainless Steel, Add	37.88	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	3.45	
			For Crossbars At 2" On-Center, Add	1.27	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.89	
05 53 13 00-0004	SF		3/4" x 3/16" Steel, Welded Grating .....	20.55	1.94
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.84	
			For 304 Stainless Steel, Add	53.54	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.87	
			For Crossbars At 2" On-Center, Add	1.80	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-3.01	
05 53 13 00-0005	SF		1" x 1/8" Steel, Welded Grating .....	18.81	1.94
			For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
			For Galvanized Steel, Add	2.54	
			For 304 Stainless Steel, Add	47.96	
			Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
			For Bearing Bars At 15/16" On-Center, Add	4.36	
			For Crossbars At 2" On-Center, Add	1.61	
			For Serrated Wear Surface, Add	0.16	
			For Set In Place Without Bolting Or Tack Welding, Deduct	-2.97	

**05 Metals**  
**05 50 Metal Fabrications**  
**05 53 Metal Gratings**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

05 53 13 00-0006	SF	1" x 3/16" Steel, Welded Grating.....	25.44	1.94
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.67	
		For 304 Stainless Steel, Add	69.24	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.30	
		For Crossbars At 2" On-Center, Add	2.33	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.13	
05 53 13 00-0007	SF	1" x 1/4" Steel, Welded Grating .....	32.07	1.94
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.79	
		For 304 Stainless Steel, Add	90.52	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	8.23	
		For Crossbars At 2" On-Center, Add	3.05	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.30	
05 53 13 00-0008	SF	1-1/4" x 1/8" Steel, Welded Grating .....	21.98	1.94
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.08	
		For 304 Stainless Steel, Add	58.13	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	5.29	
		For Crossbars At 2" On-Center, Add	1.96	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.05	
05 53 13 00-0009	SF	1-1/4" x 3/16" Steel, Welded Grating .....	30.05	1.94
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	4.45	
		For 304 Stainless Steel, Add	84.04	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	7.64	
		For Crossbars At 2" On-Center, Add	2.83	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.25	
05 53 13 00-0010	SF	1-1/2" x 1/8" Steel, Welded Grating .....	25.16	1.94
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	3.62	
		For 304 Stainless Steel, Add	68.34	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	6.22	
		For Crossbars At 2" On-Center, Add	2.30	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.13	
05 53 13 00-0011	SF	1-1/2" x 3/16" Steel, Welded Grating .....	35.78	2.38
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	5.28	
		For 304 Stainless Steel, Add	99.61	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	9.06	
		For Crossbars At 2" On-Center, Add	3.35	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-3.96	
05 53 13 00-0012	SF	1-1/2" x 1/4" Steel, Welded Grating .....	45.87	2.38
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.99	
		For 304 Stainless Steel, Add	132.00	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	12.01	
		For Crossbars At 2" On-Center, Add	4.44	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.21	
05 53 13 00-0013	SF	1-3/4" x 3/16" Steel, Welded Grating .....	40.70	2.38
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.11	
		For 304 Stainless Steel, Add	115.40	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	10.50	
		For Crossbars At 2" On-Center, Add	3.88	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.08	
05 53 13 00-0014	SF	2" x 3/16" Steel, Welded Grating.....	45.31	2.38
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	6.90	
		For 304 Stainless Steel, Add	130.20	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	11.84	
		For Crossbars At 2" On-Center, Add	4.38	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.20	
05 53 13 00-0015	SF	2-1/4" x 3/16" Steel, Welded Grating .....	50.19	2.38
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22	
		For Galvanized Steel, Add	7.72	
		For 304 Stainless Steel, Add	145.86	
		Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center		
		For Bearing Bars At 15/16" On-Center, Add	13.27	
		For Crossbars At 2" On-Center, Add	4.91	
		For Serrated Wear Surface, Add	0.16	
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0016	SF		2-1/2" x 3/16" Steel, Welded Grating ..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	54.80 0.22 8.51 160.66  14.61 5.41 0.16 -4.43	2.38
05 53 13 00-0017			<b>Pressure Locked Grating</b> <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Pressure locked grating is an open grid grating which is an assembly of tight-fitting, slotted bearing bars and cross bars, interlocked together. The permanent locking of the bars is accomplished by slotting the bearing bars with a wider 'dovetail' shape at the bottom of the slot. The bearing bar slot is usually 1/2 the depth of the cross bar. The cross bars are slotted to a depth slightly less than half its depth. When the bars are pressed together under hydraulic pressure, the cross bar material is forced into the 'dovetail' shape of the bearing bar notch, forming a strong, rigid unit.		
05 53 13 00-0018			<b>Steel, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0019	SF		3/4" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	28.48 0.22 4.04 46.05  7.19 2.66 -3.21	1.94
05 53 13 00-0020	SF		3/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Set In Place Without Bolting Or Tack Welding, Deduct	34.76 0.22 5.07 57.80  9.02 3.34 -3.37	1.94
05 53 13 00-0021	SF		1" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	31.16 0.22 4.48 51.06  7.97 2.95 0.16 -3.28	1.94
05 53 13 00-0022	SF		1" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 7/16" On-Center, Add For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	41.95 0.22 6.25 71.25  55.22 11.12 4.11 0.16 -3.54	1.94
05 53 13 00-0023	SF		1-1/4" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	34.76 0.22 5.07 57.80  9.02 3.34 0.16 -3.37	1.94
05 53 13 00-0024	SF		1-1/4" x 3/16" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	46.94 0.22 7.06 80.58  12.58 4.65 0.16 -3.67	1.94
05 53 13 00-0025	SF		1-1/2" x 1/8" Steel, Pressure Locked Grating..... For One Coat Of Shop Applied Paint (Red Or Black), Add For Galvanized Steel, Add For 304 Stainless Steel, Add Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center For Bearing Bars At 15/16" On-Center, Add For Crossbars At 2" On-Center, Add For Serrated Wear Surface, Add For Set In Place Without Bolting Or Tack Welding, Deduct	38.53 0.22 5.68 64.85  10.12 3.74 0.16 -3.46	1.94

## 05 Metals

## 05 50 Metal Fabrications

## 05 53 Metal Gratings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 53 13 00-0026	SF	1-1/2" x 3/16" Steel, Pressure Locked Grating.....	53.06	2.38
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	7.92	
		<i>For 304 Stainless Steel, Add</i>	90.39	
		<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
		<i>For Bearing Bars At 7/16" On-Center, Add</i>	70.05	
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	14.11	
		<i>For Crossbars At 2" On-Center, Add</i>	5.22	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.39	
05 53 13 00-0027	SF	1-3/4" x 3/16" Steel, Pressure Locked Grating.....	58.33	2.38
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	8.79	
		<i>For 304 Stainless Steel, Add</i>	100.25	
		<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	15.65	
		<i>For Crossbars At 2" On-Center, Add</i>	5.79	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.52	
05 53 13 00-0028	SF	2" x 3/16" Steel, Pressure Locked Grating.....	62.62	2.38
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	9.49	
		<i>For 304 Stainless Steel, Add</i>	108.27	
		<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	16.90	
		<i>For Crossbars At 2" On-Center, Add</i>	6.25	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.63	
05 53 13 00-0029	SF	2-1/4" x 3/16" Steel, Pressure Locked Grating.....	66.74	2.38
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	10.17	
		<i>For 304 Stainless Steel, Add</i>	115.98	
		<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	18.10	
		<i>For Crossbars At 2" On-Center, Add</i>	6.69	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.73	
05 53 13 00-0030	SF	2-1/2" x 3/16" Steel, Pressure Locked Grating.....	70.30	2.38
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	10.75	
		<i>For 304 Stainless Steel, Add</i>	122.64	
		<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	19.14	
		<i>For Crossbars At 2" On-Center, Add</i>	7.08	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.82	
05 53 13 00-0031		<b>Aluminum, Type 6063, Pressure Locked Grating</b> <small>(05 53 13 00-0017)</small>		
		<i>Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.</i>		
05 53 13 00-0032	SF	3/4" x 1/8" Aluminum, Pressure Locked Grating.....	18.57	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	4.29	
		<i>For Crossbars At 2" On-Center, Add</i>	1.59	
		<i>For Set In Place Without Bolting, Deduct</i>	-2.96	
		<i>For Powder Coating, Add</i>	2.21	
05 53 13 00-0033	SF	3/4" x 3/16" Aluminum, Pressure Locked Grating.....	24.60	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	6.05	
		<i>For Crossbars At 2" On-Center, Add</i>	2.24	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.11	
		<i>For Powder Coating, Add</i>	3.11	
05 53 13 00-0034	SF	1" x 1/8" Aluminum, Pressure Locked Grating.....	23.30	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	5.67	
		<i>For Crossbars At 2" On-Center, Add</i>	2.10	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.08	
		<i>For Powder Coating, Add</i>	2.91	
05 53 13 00-0035	SF	1" x 3/16" Aluminum, Pressure Locked Grating.....	31.09	1.94
		<i>For Bearing Bars At 7/16" On-Center, Add</i>	39.47	
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	7.95	
		<i>For Crossbars At 2" On-Center, Add</i>	2.94	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.27	
		<i>For Powder Coating, Add</i>	4.08	
05 53 13 00-0036	SF	1-1/4" x 1/8" Aluminum, Pressure Locked Grating.....	26.73	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	6.68	
		<i>For Crossbars At 2" On-Center, Add</i>	2.47	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.16	
		<i>For Powder Coating, Add</i>	3.43	
05 53 13 00-0037	SF	1-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	35.22	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	9.15	
		<i>For Crossbars At 2" On-Center, Add</i>	3.39	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.38	
		<i>For Powder Coating, Add</i>	4.70	
05 53 13 00-0038	SF	1-1/2" x 1/8" Aluminum, Pressure Locked Grating.....	29.95	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	7.62	
		<i>For Crossbars At 2" On-Center, Add</i>	2.82	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.24	
		<i>For Powder Coating, Add</i>	3.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 53 13 00-0039	SF		1-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	39.48	1.94
			<i>For Bearing Bars At 7/16" On-Center, Add</i>	51.63	
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	10.40	
			<i>For Crossbars At 2" On-Center, Add</i>	3.85	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.48	
			<i>For Powder Coating, Add</i>	5.34	
05 53 13 00-0040	SF		1-3/4" x 3/16" Aluminum, Pressure Locked Grating.....	43.56	1.94
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	11.59	
			<i>For Crossbars At 2" On-Center, Add</i>	4.29	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.59	
			<i>For Powder Coating, Add</i>	5.95	
05 53 13 00-0041	SF		2" x 3/16" Aluminum, Pressure Locked Grating.....	48.39	1.94
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	13.00	
			<i>For Crossbars At 2" On-Center, Add</i>	4.81	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.71	
			<i>For Powder Coating, Add</i>	6.68	
05 53 13 00-0042	SF		2-1/4" x 3/16" Aluminum, Pressure Locked Grating.....	52.18	1.94
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	14.11	
			<i>For Crossbars At 2" On-Center, Add</i>	5.22	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.80	
			<i>For Powder Coating, Add</i>	7.25	
05 53 13 00-0043	SF		2-1/2" x 3/16" Aluminum, Pressure Locked Grating.....	56.70	1.94
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	15.43	
			<i>For Crossbars At 2" On-Center, Add</i>	5.71	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting, Deduct</i>	-3.91	
			<i>For Powder Coating, Add</i>	7.92	
05 53 13 00-0044			<b>Swage Locked Grating</b> <small>(05 53 13)</small> Note: Sizes are for height and width of bearing bars. Swage locked grating is an open grid grating where bearing bars are pre-punched to receive a cross bar without penetrating or cutting the top surface of the bearing bar. The cross bar is then inserted through the pre-punched hole and deformed by swaging or squeezing under hydraulic pressure to permanently lock the bars in place.		
05 53 13 00-0045			<b>Steel, Swage Locked Grating</b> <small>(05 53 13 00-0044)</small> Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted or tack welded, unpainted steel, and in all sizes.		
05 53 13 00-0046	SF		1" x 3/16" Steel, Swaged Grating.....	45.79	1.94
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	3.86	
			<i>For 304 Stainless Steel, Add</i>	69.50	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	26.83	
			<i>For Crossbars At 2" On-Center, Add</i>	3.35	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.64	
05 53 13 00-0047	SF		1-1/4" x 3/16" Steel, Swaged Grating.....	50.95	1.94
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	4.33	
			<i>For 304 Stainless Steel, Add</i>	78.06	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	30.13	
			<i>For Crossbars At 2" On-Center, Add</i>	3.77	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-3.77	
05 53 13 00-0048	SF		1-1/2" x 3/16" Steel, Swaged Grating.....	55.88	2.38
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	4.70	
			<i>For 304 Stainless Steel, Add</i>	84.77	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	32.72	
			<i>For Crossbars At 2" On-Center, Add</i>	4.09	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.46	
05 53 13 00-0049	SF		1-3/4" x 3/16" Steel, Swaged Grating.....	63.81	2.38
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	5.43	
			<i>For 304 Stainless Steel, Add</i>	97.92	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	37.80	
			<i>For Crossbars At 2" On-Center, Add</i>	4.72	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.66	
05 53 13 00-0050	SF		2" x 3/16" Steel, Swaged Grating.....	71.76	2.38
			<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
			<i>For Galvanized Steel, Add</i>	6.16	
			<i>For 304 Stainless Steel, Add</i>	111.10	
			<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
			<i>For Bearing Bars At 15/16" On-Center, Add</i>	42.89	
			<i>For Crossbars At 2" On-Center, Add</i>	5.36	
			<i>For Serrated Wear Surface, Add</i>	0.16	
			<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-4.86	

**05 Metals****05 50 Metal Fabrications****05 53 Metal Gratings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 53 13 00-0051	SF	2-1/4" x 3/16" Steel, Swaged Grating.....	79.69	2.38
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	6.89	
		<i>For 304 Stainless Steel, Add</i>	124.25	
		<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	47.96	
		<i>For Crossbars At 2" On-Center, Add</i>	6.00	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-5.06	
05 53 13 00-0052	SF	2-1/2" x 3/16" Steel, Swaged Grating.....	87.65	2.38
		<i>For One Coat Of Shop Applied Paint (Red Or Black), Add</i>	0.22	
		<i>For Galvanized Steel, Add</i>	7.63	
		<i>For 304 Stainless Steel, Add</i>	137.45	
		<i>Note: Bearing bars at 1-3/16" on-center and crossbars at 4" on-center</i>		
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	53.06	
		<i>For Crossbars At 2" On-Center, Add</i>	6.63	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting Or Tack Welding, Deduct</i>	-5.26	

**05 53 13 00-0053 Aluminum Grating, Type 6063, Swage Locked** (05 53 13 00-0044)*Note: Bearing bars at 1-3/16" on-center, crossbars at 4" on-center, bolted in place, and in all sizes.*

05 53 13 00-0054	SF	1" x 1/8" Aluminum, Swaged Grating.....	21.64	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	11.37	
		<i>For Crossbars At 2" On-Center, Add</i>	1.42	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.04	
		<i>For Powder Coating, Add</i>	2.67	
05 53 13 00-0055	SF	1" x 3/16" Aluminum, Swaged Grating.....	27.59	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	15.18	
		<i>For Crossbars At 2" On-Center, Add</i>	1.90	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.19	
		<i>For Powder Coating, Add</i>	3.56	
05 53 13 00-0056	SF	1-1/4" x 1/8" Aluminum, Swaged Grating.....	24.31	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	13.08	
		<i>For Crossbars At 2" On-Center, Add</i>	1.64	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.10	
		<i>For Powder Coating, Add</i>	3.07	
05 53 13 00-0057	SF	1-1/4" x 3/16" Aluminum, Swaged Grating.....	31.59	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	17.74	
		<i>For Crossbars At 2" On-Center, Add</i>	2.22	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.29	
		<i>For Powder Coating, Add</i>	4.16	
05 53 13 00-0058	SF	1-1/2" x 1/8" Aluminum, Swaged Grating.....	27.48	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	15.11	
		<i>For Crossbars At 2" On-Center, Add</i>	1.89	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.18	
		<i>For Powder Coating, Add</i>	3.54	
05 53 13 00-0059	SF	1-1/2" x 3/16" Aluminum, Swaged Grating.....	35.87	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	20.48	
		<i>For Crossbars At 2" On-Center, Add</i>	2.56	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.39	
		<i>For Powder Coating, Add</i>	4.80	
05 53 13 00-0060	SF	1-3/4" x 3/16" Aluminum, Swaged Grating.....	40.81	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	23.64	
		<i>For Crossbars At 2" On-Center, Add</i>	2.96	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.52	
		<i>For Powder Coating, Add</i>	5.54	
05 53 13 00-0061	SF	2" x 3/16" Aluminum, Swaged Grating.....	45.72	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	26.78	
		<i>For Crossbars At 2" On-Center, Add</i>	3.35	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.64	
		<i>For Powder Coating, Add</i>	6.28	
05 53 13 00-0062	SF	2-1/4" x 3/16" Aluminum, Swaged Grating.....	50.65	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	29.94	
		<i>For Crossbars At 2" On-Center, Add</i>	3.74	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.76	
		<i>For Powder Coating, Add</i>	7.02	
05 53 13 00-0063	SF	2-1/2" x 3/16" Aluminum, Swaged Grating.....	55.56	1.94
		<i>For Bearing Bars At 15/16" On-Center, Add</i>	33.08	
		<i>For Crossbars At 2" On-Center, Add</i>	4.14	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.89	
		<i>For Powder Coating, Add</i>	7.75	

**05 53 13 00-0064 Riveted Grating** (05 53 13)

*Note: Riveted grating is an open grid grating where bearing bars are pre-punched to receive a solid round rivet. Crimp/lacing bars are pre-punched as well and then formed into a reticulated shape. Bearing bars and crimp bars are then assembled and clamped in place by rivets which are cold driven under hydraulic pressure to permanently lock the assembly together.*

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 53 13 00-0065		<b>Steel, Riveted Grating</b> <small>(05 53 13 00-0064)</small>			
Note: 1" clear opening, bolted or tack welded in place, unpainted steel, all sizes.					
05 53 13 00-0066	SF	3/4" x 1/8", 7.0 LB/SF, Steel, Riveted Grating.....	85.86	1.94	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	3.94		
		For 304 Stainless Steel, Add	70.43		
		For 5/8" Clear Opening, Add	28.29		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.64		
05 53 13 00-0067	SF	3/4" x 3/16", 8.5 LB/SF, Steel, Riveted Grating.....	100.87	1.94	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.66		
		For 304 Stainless Steel, Add	83.32		
		For 5/8" Clear Opening, Add	33.47		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.02		
05 53 13 00-0068	SF	1" x 1/8", 8.0 LB/SF, Steel, Riveted Grating.....	92.77	1.94	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.27		
		For 304 Stainless Steel, Add	76.37		
		For 5/8" Clear Opening, Add	30.67		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.82		
05 53 13 00-0069	SF	1" x 3/16", 9.5 LB/SF, Steel, Riveted Grating.....	106.59	1.94	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.93		
		For 304 Stainless Steel, Add	88.24		
		For 5/8" Clear Opening, Add	35.44		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.16		
05 53 13 00-0070	SF	1-1/4" x 1/8", 9.0 LB/SF, Steel, Riveted Grating.....	98.49	1.94	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.54		
		For 304 Stainless Steel, Add	81.28		
		For 5/8" Clear Opening, Add	32.64		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-4.96		
05 53 13 00-0071	SF	1-1/4" x 3/16", 11.1 LB/SF, Steel, Riveted Grating.....	117.24	1.94	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.44		
		For 304 Stainless Steel, Add	97.38		
		For 5/8" Clear Opening, Add	39.11		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.43		
05 53 13 00-0072	SF	1-1/2" x 1/8", 10.1 LB/SF, Steel, Riveted Grating.....	104.89	2.38	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	4.81		
		For 304 Stainless Steel, Add	86.02		
		For 5/8" Clear Opening, Add	34.55		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-5.69		
05 53 13 00-0073	SF	1-1/2" x 3/16", 12.5 LB/SF, Steel, Riveted Grating.....	124.92	2.38	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	5.77		
		For 304 Stainless Steel, Add	103.23		
		For 5/8" Clear Opening, Add	41.46		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-6.19		
05 53 13 00-0074	SF	1-3/4" x 3/16", 14.0 LB/SF, Steel, Riveted Grating.....	135.15	2.38	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	6.26		
		For 304 Stainless Steel, Add	112.01		
		For 5/8" Clear Opening, Add	44.99		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-6.44		
05 53 13 00-0075	SF	2" x 3/16", 17.0 LB/SF, Steel, Riveted Grating.....	157.98	2.38	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	7.36		
		For 304 Stainless Steel, Add	131.62		
		For 5/8" Clear Opening, Add	52.86		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-7.01		
05 53 13 00-0076	SF	2-1/4" x 3/16", 18.5 LB/SF, Steel, Riveted Grating.....	165.93	2.38	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	7.74		
		For 304 Stainless Steel, Add	138.45		
		For 5/8" Clear Opening, Add	55.61		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-7.21		
05 53 13 00-0077	SF	2-1/2" x 3/16", 20.0 LB/SF, Steel, Riveted Grating.....	173.02	2.38	
		For One Coat Of Shop Applied Paint (Red Or Black), Add	0.22		
		For Galvanized Steel, Add	8.08		
		For 304 Stainless Steel, Add	144.54		
		For 5/8" Clear Opening, Add	58.05		
		For Serrated Wear Surface, Add	0.16		
		For Set In Place Without Bolting Or Tack Welding, Deduct	-7.39		

05 53 13 00-0078		<b>Aluminum, Riveted Grating</b> <small>(05 53 13 00-0064)</small>			
Note: 1" clear opening, bolted in place and in all sizes.					

**05 Metals****05 50 Metal Fabrications****05 53 Metal Gratings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 53 13 00-0079	SF	3/4" x 1/8", 2.4 LB/SF, Aluminum, Riveted Grating	44.44	1.94
		<i>For 5/8" Clear Opening, Add</i>	14.00	
		<i>For Powder Coating, Add</i>	6.09	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.61	
05 53 13 00-0080	SF	3/4" x 3/16", 2.9 LB/SF, Aluminum, Riveted Grating	52.47	1.94
		<i>For 5/8" Clear Opening, Add</i>	16.77	
		<i>For Powder Coating, Add</i>	7.29	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.81	
05 53 13 00-0081	SF	1" x 1/8", 2.7 LB/SF, Aluminum, Riveted Grating	48.73	1.94
		<i>For 5/8" Clear Opening, Add</i>	15.48	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	6.73	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.71	
05 53 13 00-0082	SF	1" x 3/16", 3.2 LB/SF, Aluminum, Riveted Grating	56.57	1.94
		<i>For 5/8" Clear Opening, Add</i>	18.18	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	7.91	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.91	
05 53 13 00-0083	SF	1-1/4" x 1/8", 3.1 LB/SF, Aluminum, Riveted Grating	54.47	1.94
		<i>For 5/8" Clear Opening, Add</i>	17.46	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	7.59	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.86	
05 53 13 00-0084	SF	1-1/4" x 3/16", 3.8 LB/SF, Aluminum, Riveted Grating	65.35	1.94
		<i>For 5/8" Clear Opening, Add</i>	21.21	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	9.22	
		<i>For Set In Place Without Bolting, Deduct</i>	-4.13	
05 53 13 00-0085	SF	1-1/2" x 1/8", 3.4 LB/SF, Aluminum, Riveted Grating	58.39	1.94
		<i>For 5/8" Clear Opening, Add</i>	18.81	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	8.18	
		<i>For Set In Place Without Bolting, Deduct</i>	-3.96	
05 53 13 00-0086	SF	1-1/2" x 3/16", 4.3 LB/SF, Aluminum, Riveted Grating	72.21	1.94
		<i>For 5/8" Clear Opening, Add</i>	23.58	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	10.25	
		<i>For Set In Place Without Bolting, Deduct</i>	-4.30	
05 53 13 00-0087	SF	1-3/4" x 3/16", 4.8 LB/SF, Aluminum, Riveted Grating	79.46	1.94
		<i>For 5/8" Clear Opening, Add</i>	26.08	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	11.34	
		<i>For Set In Place Without Bolting, Deduct</i>	-4.48	
05 53 13 00-0088	SF	2" x 3/16", 5.8 LB/SF, Aluminum, Riveted Grating	94.34	1.94
		<i>For 5/8" Clear Opening, Add</i>	31.21	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	13.57	
		<i>For Set In Place Without Bolting, Deduct</i>	-4.85	
05 53 13 00-0089	SF	2-1/4" x 3/16", 6.4 LB/SF, Aluminum, Riveted Grating	102.79	1.94
		<i>For 5/8" Clear Opening, Add</i>	34.13	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	14.84	
		<i>For Set In Place Without Bolting, Deduct</i>	-5.07	
05 53 13 00-0090	SF	2-1/2" x 3/16", 7.2 LB/SF, Aluminum, Riveted Grating	114.11	1.94
		<i>For 5/8" Clear Opening, Add</i>	38.03	
		<i>For Serrated Wear Surface, Add</i>	0.16	
		<i>For Powder Coating, Add</i>	16.54	
		<i>For Set In Place Without Bolting, Deduct</i>	-5.35	

**05 54 Metal Floor Plates** (05 50)**05 54 00 00-0001 Steel Floor Plates** (05 54)

05 54 00 00-0002	SF	16 Gauge Steel Raised Or Diamond Pattern Floor Plates	24.76	2.29
05 54 00 00-0003	SF	14 Gauge Steel Raised Or Diamond Pattern Floor Plates	28.20	2.29
05 54 00 00-0004	SF	12 Gauge Steel Raised Or Diamond Pattern Floor Plates	35.11	2.29
05 54 00 00-0005	SF	1/8" Steel Raised Or Diamond Pattern Floor Plates	46.86	2.46
05 54 00 00-0006	SF	1/4" Steel Raised Or Diamond Pattern Floor Plates	59.26	2.64

**05 54 00 00-0007 Aluminum Alloy Floor Plates** (05 54)

05 54 00 00-0008	SF	0.125" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	32.22	1.94
		<i>For Powder Coating, Add</i>	4.25	
05 54 00 00-0009	SF	0.188" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	36.96	2.29
		<i>For Powder Coating, Add</i>	4.88	
05 54 00 00-0010	SF	0.25" Aluminum Alloy Raised Or Diamond Pattern Floor Plate	41.71	2.46
		<i>For Powder Coating, Add</i>	5.52	

**05 54 00 00-0011 Type 304 Stainless Steel Floor Plates** (05 54)

05 54 00 00-0012	SF	1/8" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	40.66	2.64
05 54 00 00-0013	SF	3/16" Type 304 Stainless Steel Raised Or Diamond Pattern Floor Plate	48.53	2.99
05 54 00 00-0014	SF	1/4" Type 304 Stainless Raised Or Diamond Pattern Steel Floor Plate	62.60	3.52

**05 55 Metal Stair Treads and Nosings** (05 50)**05 55 13 Metal Stair Treads** (05 55)



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**05 55 13 00-0001 Abrasive Cast Aluminum Stair Treads** (05 55 13)  
 Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0002	LF 8" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread ..... 75.23	7.52	
	<i>For 3/8" Thick, Add</i> ..... 15.80		
05 55 13 00-0003	LF 9" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread ..... 82.77	7.52	
	<i>For 3/8" Thick, Add</i> ..... 17.68		
05 55 13 00-0004	LF 10" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread ..... 90.28	7.52	
	<i>For 3/8" Thick, Add</i> ..... 19.56		
05 55 13 00-0005	LF 11" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread ..... 97.85	7.52	
	<i>For 3/8" Thick, Add</i> ..... 21.45		
05 55 13 00-0006	LF 12" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Stair Tread ..... 105.34	7.52	
	<i>For 3/8" Thick, Add</i> ..... 23.33		

**05 55 13 00-0007 Abrasive Cast Iron Stair Treads** (05 55 13)  
 Note: Includes abrasive diamond pattern surface and anchors. Excludes stringers.

05 55 13 00-0008	LF 8" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread ..... 104.46	7.52	
05 55 13 00-0009	LF 9" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread ..... 115.62	7.52	
05 55 13 00-0010	LF 10" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread ..... 126.81	7.52	
05 55 13 00-0011	LF 11" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread ..... 137.98	7.52	
05 55 13 00-0012	LF 12" Depth, 3/8" Thick, 1/4" Lip, Abrasive Cast Iron Stair Tread ..... 149.17	7.52	

**05 55 13 00-0013 Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Treads** (05 55 13)  
 Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0014	LF 6-1/2" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread ..... 39.98	7.52	
05 55 13 00-0015	LF 9" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread ..... 46.81	7.52	
05 55 13 00-0016	LF 11" Depth, 5/32" Thick, 1-1/16" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Safety Stair Tread ..... 49.82	7.52	

**05 55 13 00-0017 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Treads** (05 55 13)  
 Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors. Excludes stringers.

05 55 13 00-0018	LF 8" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread ..... 58.83	7.52	
	<i>For Epoxy Sealed For Corrosive Environment, Add</i> ..... 4.74		
	<i>For Two Color Tread, Add</i> ..... 3.56		
05 55 13 00-0019	LF 9" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread ..... 59.39	7.52	
	<i>For Epoxy Sealed For Corrosive Environment, Add</i> ..... 4.74		
	<i>For Two Color Tread, Add</i> ..... 3.56		
05 55 13 00-0020	LF 11" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread ..... 71.67	7.52	
	<i>For Epoxy Sealed For Corrosive Environment, Add</i> ..... 4.74		
	<i>For Two Color Tread, Add</i> ..... 3.56		
05 55 13 00-0021	LF 12" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread ..... 82.44	7.52	
	<i>For Epoxy Sealed For Corrosive Environment, Add</i> ..... 4.74		
	<i>For Two Color Tread, Add</i> ..... 3.56		
05 55 13 00-0022	LF 15" Depth, 9/32" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Tread ..... 96.47	7.52	
	<i>For Epoxy Sealed For Corrosive Environment, Add</i> ..... 4.74		
	<i>For Two Color Tread, Add</i> ..... 3.56		

**05 55 13 00-0023 Stair Landing Treads** (05 55 13)

**05 55 13 00-0024 Abrasive Cast Aluminum Stair Landing Treads** (05 55 13 00-0023)  
 Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0025	SF 5/16" Thick, Abrasive Cast Aluminum Landing Treads ..... 105.34	7.52	
	<i>For 3/8" Thick, Add</i> ..... 23.33		

**05 55 13 00-0026 Abrasive Cast Iron Stair Landing Treads** (05 55 13 00-0023)  
 Note: Includes abrasive diamond pattern surface and anchors.

05 55 13 00-0027	SF 3/8" Thick, Abrasive Cast Iron Landing Treads ..... 149.17	7.52	
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**05 55 13 00-0028 Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads** (05 55 13 00-0023)  
 Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.

05 55 13 00-0029	SF 9/32" Thick, Aluminum/Ceramic Grit Coating, Extruded Aluminum Renovation Stair Landing Treads ..... 97.70	7.52	
	<i>For Epoxy Sealed For Corrosive Environment, Add</i> ..... 4.74		

**05 55 16 Metal Stair Nosings** (05 55)

**05 55 16 00-0001 Abrasive Cast Aluminum Nosings** (05 55 16)  
 Note: Includes abrasive diamond pattern surface and anchors.

05 55 16 00-0002	LF 3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing ..... 31.92	5.12	
	<i>For 3/8" Thick, Add</i> ..... 5.93		
05 55 16 00-0003	LF 4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing ..... 39.20	5.12	
	<i>For 3/8" Thick, Add</i> ..... 7.75		
05 55 16 00-0004	LF 6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Aluminum Nosing ..... 55.41	5.12	
	<i>For 3/8" Thick, Add</i> ..... 11.80		

**05 Metals****05 50 Metal Fabrications****05 55 Metal Stair Treads and Nosings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

05 55 16 00-0005		<b>Abrasive Cast Iron Nosings</b> (05 55 16)	
Note: Includes abrasive diamond pattern surface and anchors.			
05 55 16 00-0006	LF	3" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	37.23
		For 3/8" Thick, Add	7.26
05 55 16 00-0007	LF	4" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	46.19
		For 3/8" Thick, Add	9.50
05 55 16 00-0008	LF	6" Depth, 5/16" Thick, 1/4" Lip, Abrasive Cast Iron Nosing.....	63.90
		For 3/8" Thick, Add	13.93
05 55 16 00-0009		<b>Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosings</b> (05 55 16)	
Note: Includes extruded aluminum base with diamond hard aluminum oxide abrasive filler/surface. Includes anchors.			
05 55 16 00-0010	LF	1-7/8" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	26.99
05 55 16 00-0011	LF	3" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	30.49
05 55 16 00-0012	LF	4" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	33.17
05 55 16 00-0013	LF	6" Depth, 1/4" Thick, 1/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	41.49
05 55 16 00-0014	LF	1-7/8" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	27.93
05 55 16 00-0015	LF	3" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	30.92
05 55 16 00-0016	LF	4" Depth, 1/4" Thick, 1-1/8" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	33.89
05 55 16 00-0017	LF	3" Depth, 1/4" Thick, 1-3/4" Lip, Aluminum/Ceramic Grit Coating, Extruded Aluminum Nosing.....	32.08

**05 58 Formed Metal Fabrications** (05 50)**05 58 16 Formed Metal Enclosures** (05 58)

05 58 16 00-0001		<b>Drip Pan</b> (05 58 16)	
05 58 16 00-0002	SF	Stainless Steel Drip Pan.....	116.23
05 58 16 00-0003	SF	Galvanized Steel Drip Pan.....	114.81
05 58 16 00-0004	SF	Aluminum Drip Pan.....	80.57
05 58 16 00-0005	SF	Plastic Drip Pan.....	20.74

**05 58 23 Formed Metal Guards** (05 58)

05 58 23 00-0001		<b>Protective Guard Rails</b> (05 58 23)	
Note: Includes painted finish.			
05 58 23 00-0002		<b>2-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0001)	
Note: Steel King Armor Guard.			
05 58 23 00-0003		<b>Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0002)	
Note: Excludes posts. Includes fasteners.			
05 58 23 00-0004	EA	1' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	216.75
05 58 23 00-0005	EA	2' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	254.44
05 58 23 00-0006	EA	3' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	289.99
05 58 23 00-0007	EA	4' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	327.68
05 58 23 00-0008	EA	5' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	363.43
05 58 23 00-0009	EA	6' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	409.78
05 58 23 00-0010	EA	7' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	441.36
05 58 23 00-0011	EA	8' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	490.25
05 58 23 00-0012	EA	9' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	522.34
05 58 23 00-0013	EA	10' Length, 10-1/2" Height, Bolt-On, 2-Rib, 11 Gauge Steel, Protective Guard Rail.....	545.26
05 58 23 00-0014		<b>Posts For 2-Rib Guard Rails</b> (05 58 23 00-0002)	
Note: Includes drilling, surface mounting plate and anchors.			
05 58 23 00-0015	EA	12" Height, Single Rail Post For 2-Rib Guard Rails.....	436.67
05 58 23 00-0016	EA	42" Height, Triple Rail Post For 2-Rib Guard Rails.....	567.57
05 58 23 00-0017		<b>3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0001)	
Note: Steel King Steel Guard.			
05 58 23 00-0018		<b>Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0017)	
Note: Excludes posts. Includes fasteners.			
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	239.46
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	264.52
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	295.79
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	325.03
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	358.85
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	375.14
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	414.36
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	447.47
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	482.61
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	518.26

05 58 23 00-0017		<b>3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0001)	
Note: Steel King Steel Guard.			
05 58 23 00-0018		<b>Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0017)	
Note: Excludes posts. Includes fasteners.			
05 58 23 00-0019	EA	1' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	239.46
05 58 23 00-0020	EA	2' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	264.52
05 58 23 00-0021	EA	3' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	295.79
05 58 23 00-0022	EA	4' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	325.03
05 58 23 00-0023	EA	5' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	358.85
05 58 23 00-0024	EA	6' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	375.14
05 58 23 00-0025	EA	7' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	414.36
05 58 23 00-0026	EA	8' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	447.47
05 58 23 00-0027	EA	9' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	482.61
05 58 23 00-0028	EA	10' Length, 15" Height, Bolt-On, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	518.26
05 58 23 00-0029		<b>Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rails</b> (05 58 23 00-0017)	
Note: Excludes posts. Includes fasteners and lift-out mounting plate.			
05 58 23 00-0030	EA	1' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	352.22
05 58 23 00-0031	EA	2' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	379.73
05 58 23 00-0032	EA	3' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	408.25
05 58 23 00-0033	EA	4' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	441.36
05 58 23 00-0034	EA	5' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	474.46
05 58 23 00-0035	EA	6' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	501.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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05 58 23 00-0036	EA		7' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	532.52	24.62
05 58 23 00-0037	EA		8' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	567.67	24.62
05 58 23 00-0038	EA		9' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail .....	605.36	24.62
05 58 23 00-0039	EA		10' Length, 15" Height, Lift-Out, 3-Rib, 11 Gauge Steel, Protective Guard Rail.....	638.46	24.62

**05 58 23 00-0040 Posts For 3-Rib Guard Rails** (05 58 23 00-0017)

Note: Includes drilling, surface mounting plate and anchors.

05 58 23 00-0041	EA		18" Height, Single Rail Post For 3-Rib Guard Rails .....	384.52	51.28
05 58 23 00-0042	EA		42" Height, Double Rail Post For 3-Rib Guard Rails.....	490.66	51.28

**05 58 23 00-0043 All-Welded, Protective Guards** (05 58 23)

Note: Surface mounted inverted-U style protective barriers. Includes painted finish, drilling, surface mounting plate and anchors.

**05 58 23 00-0044 All-Welded, Protective Guards** (05 58 23 00-0043)

05 58 23 00-0045	EA		36" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	501.93	68.38
05 58 23 00-0046	EA		48" Length, 9" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	527.40	68.38
05 58 23 00-0047	EA		36" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	542.17	68.38
05 58 23 00-0048	EA		48" Length, 16" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	564.07	68.38
05 58 23 00-0049	EA		36" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	558.98	68.38
05 58 23 00-0050	EA		48" Length, 24" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	585.97	68.38
05 58 23 00-0051	EA		36" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	593.61	68.38
05 58 23 00-0052	EA		48" Length, 36" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	602.27	68.38
05 58 23 00-0053	EA		48" Length, 42" Height, 4-1/2" Diameter Steel Pipe, All-Welded, Protective Guard.....	643.52	68.38

**05 58 23 00-0054 Corner Style, All-Welded, Protective Guards** (05 58 23 00-0043)

05 58 23 00-0055	EA		24" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	659.82	68.38
05 58 23 00-0056	EA		30" Length, 24" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	690.38	68.38
05 58 23 00-0057	EA		24" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	703.11	68.38
05 58 23 00-0058	EA		30" Length, 36" Height, 4-1/2" Diameter Steel Pipe, Corner Style, All-Welded, Protective Guard.....	765.76	68.38

**05 58 23 00-0059 Warehouse Safety Bollards** (05 58 23)

Note: Includes painted finish, drilling, surface mounting plate and anchors.

05 58 23 00-0060	EA		24" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	320.02	51.28
05 58 23 00-0061	EA		36" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	370.34	51.28
05 58 23 00-0062	EA		42" Height, 4-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	423.62	51.28
05 58 23 00-0063	EA		36" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	438.18	51.28
05 58 23 00-0064	EA		42" Height, 5-1/2" Diameter Steel Pipe, Bolt Down, Warehouse Safety Bollard .....	471.80	51.28

**05 59 Metal Specialties** (05 50)

**05 59 65 Metal Chain** (05 59)

**05 59 65 00-0001 Alloy Steel Chain, Self Colored, Cut Length** (05 59 65)

Note: Includes all connecting links, double clevis mid-Links, slip or grab hooks, or shackles as required.

05 59 65 00-0002	LF		3/16" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	8.54	1.72
			<i>For Plastic Dipped, Add</i>	0.77	
05 59 65 00-0003	LF		1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	10.38	2.30
			<i>For Plastic Dipped, Add</i>	0.87	
05 59 65 00-0004	LF		3/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	16.99	4.58
			<i>For Plastic Dipped, Add</i>	1.17	
05 59 65 00-0005	LF		1/2" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	27.48	7.74
			<i>For Plastic Dipped, Add</i>	1.80	
05 59 65 00-0006	LF		5/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	46.40	13.07
			<i>For Plastic Dipped, Add</i>	3.04	
05 59 65 00-0007	LF		3/4" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	65.12	18.33
			<i>For Plastic Dipped, Add</i>	4.27	
05 59 65 00-0008	LF		7/8" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	87.54	22.92
			<i>For Plastic Dipped, Add</i>	6.26	
05 59 65 00-0009	LF		1" Diameter Alloy Steel Chain, Cut Length, Self Colored.....	125.06	30.55
			<i>For Plastic Dipped, Add</i>	9.59	
05 59 65 00-0010	LF		1-1/4" Diameter Alloy Steel Chain, Cut Length, Self Colored .....	201.11	45.84
			<i>For Plastic Dipped, Add</i>	16.42	

**05 70 Decorative Metal** (05)

Note: Includes anchors and related accessories.

**05 73 Decorative Metal Railings** (05 70)

**05 73 23 Decorative Metal Railings** (05 73)

**05 73 23 00-0001 Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers** (05 73 23)

Note: Includes railing with pickets on 4-1/2" centers, posts with flanged base, brackets and stainless steel expansion anchors. Includes baked on enamel or satin anodized finish.

05 73 23 00-0002	LF		32" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers.....	244.04	26.39
			<i>For 4' Post Spacing, Add</i>	36.23	
			<i>For Balconies, Add</i>	26.84	
05 73 23 00-0003	LF		36" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers.....	249.97	26.73
			<i>For 4' Post Spacing, Add</i>	36.99	
			<i>For Balconies, Add</i>	27.28	

**05 Metals****05 70 Decorative Metal****05 73 Decorative Metal Railings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 73 23 00-0004	LF 42" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers..... <i>For 4' Post Spacing, Add</i> <i>For Balconies, Add</i>	252.02 36.02 27.72	27.17
05 73 23 00-0005	LF 48" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers..... <i>For 4' Post Spacing, Add</i> <i>For Balconies, Add</i>	259.56 36.85 28.16	27.59
05 73 23 00-0006	LF 60" High, Aluminum Picket Railing With 2-1/2" Square Posts On 6' Centers..... <i>For 4' Post Spacing, Add</i> <i>For Balconies, Add</i>	274.54 38.51 29.04	28.02
<b>05 73 23 00-0007</b>	<b>Aluminum Picket Railing With 4" Square Posts On 6' Centers</b> <small>(05 73 23)</small> Note: Includes railing with pickets on 4-1/2" centers, posts with flanged base, brackets and stainless steel expansion anchors. Includes baked on enamel or satin anodized finish.		
05 73 23 00-0008	LF 32" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers..... <i>For 4' Post Spacing, Add</i> <i>For Balconies, Add</i>	272.57 45.74 26.84	26.39
05 73 23 00-0009	LF 36" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers..... <i>For 4' Post Spacing, Add</i> <i>For Balconies, Add</i>	281.97 47.66 27.28	26.73
05 73 23 00-0010	LF 42" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers..... <i>For 4' Post Spacing, Add</i> <i>For Balconies, Add</i>	292.01 49.35 27.72	27.17
05 73 23 00-0011	LF 48" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers..... <i>For 4' Post Spacing, Add</i> <i>For Balconies, Add</i>	302.16 51.05 28.16	27.59
05 73 23 00-0012	LF 60" High, Aluminum Picket Railing With 4" Square Posts On 6' Centers..... <i>For 4' Post Spacing, Add</i> <i>For Balconies, Add</i>	322.36 54.44 29.04	28.02
<b>05 73 23 00-0013</b>	<b>Remove And Reinstall Ornamental Railing</b> <small>(05 73 23)</small>		
05 73 23 00-0014	LF Removal And Reinstallation Of Ornamental Handrail And Pickets.....	161.89	
<b>05 75</b>	<b>Decorative Formed Metal</b> <small>(05 70)</small>		
<b>05 75 00 00-0001</b>	<b>Metal Sheets, Installed On Walls</b> <small>(05 75)</small> Note: Includes field fabrication (bending) where noted. See CSI section 05 54 00 00-0000 for metal floor plates.		
<b>05 75 00 00-0002</b>	<b>Copper Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small> Note: Includes field fabrication.		
05 75 00 00-0003	SF 0.0162" (12 Ounce) Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	26.28 5.02 -1.51 -3.03 -4.34	2.67
05 75 00 00-0004	SF 0.0215" (16 Ounce) Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	32.58 6.51 -1.85 -3.70 -5.33	2.97
05 75 00 00-0005	SF 0.0242" (18 Ounce) Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	35.63 7.15 -2.02 -4.04 -5.83	3.21
05 75 00 00-0006	SF 0.027" (20 Ounce) Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	38.42 7.78 -2.17 -4.35 -6.27	3.37
05 75 00 00-0007	SF 0.0323" (24 Ounce) Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	43.62 9.08 -2.45 -4.89 -7.07	3.52
05 75 00 00-0008	SF 0.0431" (32 Ounce) Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	54.78 12.01 -3.02 -6.03 -8.77	3.69
05 75 00 00-0009	SF 0.052" (40 Ounce) Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	63.89 14.39 -3.48 -6.97 -10.16	3.86
05 75 00 00-0010	SF 0.0646" (48 Ounce) Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	77.06 17.75 -4.17 -8.33 -12.19	4.17
05 75 00 00-0011	SF 0.08" Thick Copper Sheet, Installed On Walls..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	94.26 22.21 -5.05 -10.10 -14.81	4.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
05 75 00 00-0012	SF		0.125" Thick Copper Sheet, Installed On Walls ..... <i>For Zinc-Tin Coated Copper, Add</i> <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	137.31 33.78 -7.23 -14.45 -21.32	4.82
<b>05 75 00 00-0013     Stainless Steel Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>					
Note: Includes field fabrication.					
05 75 00 00-0014	SF		0.026" Thick (24 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	17.61 -1.18 -2.36 -3.24	3.96
05 75 00 00-0015	SF		0.0312" Thick (22 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	19.58 -1.30 -2.60 -3.58	4.27
05 75 00 00-0016	SF		0.0375" Thick (20 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	21.05 -1.39 -2.78 -3.83	4.49
05 75 00 00-0017	SF		0.050" Thick (18 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	23.72 -1.54 -3.08 -4.26	4.69
05 75 00 00-0018	SF		0.0625" Thick (16 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	26.35 -1.69 -3.37 -4.69	4.91
05 75 00 00-0019	SF		0.078" Thick (14 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	29.55 -1.86 -3.73 -5.20	5.13
05 75 00 00-0020	SF		0.125" Thick (11 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	40.20 -2.46 -4.92 -6.93	5.98
05 75 00 00-0021	SF		3/16" Thick (7 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	51.47 -3.05 -6.10 -8.67	6.34
05 75 00 00-0022	SF		1/4" Thick (3 Gauge) 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	68.80 -4.02 -8.04 -11.48	7.70
05 75 00 00-0023	SF		3/8" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	107.33 -5.99 -11.97 -17.34	8.25
05 75 00 00-0024	SF		1/2" Thick 304 Brushed Stainless Steel Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	135.79 -7.51 -15.02 -21.81	9.60
<b>05 75 00 00-0025     Aluminum Sheets, Installed On Walls</b> <small>(05 75 00 00-0001)</small>					
Note: Includes field fabrication.					
05 75 00 00-0026	SF		0.016" Thick (26 Gauge) Aluminum Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	12.35 -0.82 -1.64 -2.25	2.67
05 75 00 00-0027	SF		0.020" Thick (24 Gauge) Aluminum Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	14.00 -0.92 -1.85 -2.55	2.97
05 75 00 00-0028	SF		0.025" Thick (22 Gauge) Aluminum Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	15.60 -1.02 -2.04 -2.82	3.21
05 75 00 00-0029	SF		0.032" Thick (20 Gauge) Aluminum Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	17.26 -1.12 -2.23 -3.10	3.37
05 75 00 00-0030	SF		0.040" Thick (18 Gauge) Aluminum Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	18.91 -1.21 -2.42 -3.37	3.52
05 75 00 00-0031	SF		0.050" Thick (16 Gauge) Aluminum Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	20.72 -1.31 -2.63 -3.66	3.69
05 75 00 00-0032	SF		0.064" Thick (14 Gauge) Aluminum Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	22.92 -1.44 -2.87 -4.02	3.86
05 75 00 00-0033	SF		0.090" Thick (11 Gauge) Aluminum Sheet, Installed On Walls ..... <i>For &gt;16 To 200, Deduct</i> <i>For &gt;200 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	27.25 -1.70 -3.40 -4.76	4.49

**05 Metals****05 70 Decorative Metal****05 75 Decorative Formed Metal**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
05 75 00 00-0034	<b>Galvanized Steel Sheets, Installed On Walls</b> (05 75 00 00-0001) Note: Includes field fabrication.		
05 75 00 00-0035	SF 0.0217" (26 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	10.77	2.67
	For >16 To 200, Deduct	-0.74	
	For >200 To 500, Deduct	-1.48	
	For >500, Deduct	-2.02	
05 75 00 00-0036	SF 0.0276" (24 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	11.94	2.97
	For >16 To 200, Deduct	-0.82	
	For >200 To 500, Deduct	-1.64	
	For >500, Deduct	-2.24	
05 75 00 00-0037	SF 0.0336" (22 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	12.72	3.21
	For >16 To 200, Deduct	-0.88	
	For >200 To 500, Deduct	-1.75	
	For >500, Deduct	-2.39	
05 75 00 00-0038	SF 0.0396" (20 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	13.49	3.37
	For >16 To 200, Deduct	-0.93	
	For >200 To 500, Deduct	-1.86	
	For >500, Deduct	-2.53	
05 75 00 00-0039	SF 0.0516" (18 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	14.47	3.52
	For >16 To 200, Deduct	-0.99	
	For >200 To 500, Deduct	-1.98	
	For >500, Deduct	-2.70	
05 75 00 00-0040	SF 0.0635" (16 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	15.52	3.69
	For >16 To 200, Deduct	-1.05	
	For >200 To 500, Deduct	-2.11	
	For >500, Deduct	-2.88	
05 75 00 00-0041	SF 0.0785" (14 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	17.12	3.86
	For >16 To 200, Deduct	-1.15	
	For >200 To 500, Deduct	-2.29	
	For >500, Deduct	-3.15	
05 75 00 00-0042	SF 0.1084" (12 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	19.51	4.17
	For >16 To 200, Deduct	-1.29	
	For >200 To 500, Deduct	-2.58	
	For >500, Deduct	-3.55	
05 75 00 00-0043	SF 0.1382" (10 Gauge) Thick Galvanized Steel Sheet, Installed On Walls.....	22.49	4.82
	For >16 To 200, Deduct	-1.49	
	For >200 To 500, Deduct	-2.97	
	For >500, Deduct	-4.10	
05 75 00 00-0044	<b>Galvanized Zinc-Plated Steel Sheets, Installed On Walls</b> (05 75 00 00-0001) Note: Includes field fabrication.		
05 75 00 00-0045	SF 0.013" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	14.60	2.54
	For >16 To 200, Deduct	-0.98	
	For >200 To 500, Deduct	-1.97	
	For >500, Deduct	-2.70	
05 75 00 00-0046	SF 0.016" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	16.86	2.86
	For >16 To 200, Deduct	-1.13	
	For >200 To 500, Deduct	-2.26	
	For >500, Deduct	-3.10	
05 75 00 00-0047	SF 0.019" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	19.09	3.18
	For >16 To 200, Deduct	-1.27	
	For >200 To 500, Deduct	-2.55	
	For >500, Deduct	-3.50	
05 75 00 00-0048	SF 0.024" Thick Galvanized Zinc Plated Steel Sheet, Installed On Walls.....	21.07	3.44
	For >16 To 200, Deduct	-1.40	
	For >200 To 500, Deduct	-2.80	
	For >500, Deduct	-3.85	

**END OF SECTION 05**



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 06 Wood, Plastics, and Composites

### 06 05 Common Work Results for Wood, Plastics, and Composites <sup>(06)</sup>

#### 06 05 23 Wood, Plastic, and Composite Fastenings <sup>(06 05)</sup>

Note: For additional fasteners above normal conditions, for replacing existing fasteners, for relocating existing materials or fixtures, or for different fasteners required due to load limits on standard fasteners.

<b>06 05 23 00-0001 Threaded Anchor Bolts <sup>(06 05 23)</sup></b>			
Note: Threaded on two ends with two nuts and flat washers.			
06 05 23 00-0002	EA 1/2" Diameter x 4" Long, Threaded Anchor Bolt .....	17.39	
	For >10 To 50, Deduct	-0.49	
	For >50 To 100, Deduct	-1.17	
	For >100 To 250, Deduct	-2.34	
	For >250 To 500, Deduct	-3.99	
	For >500, Deduct	-5.65	
06 05 23 00-0003	EA 1/2" Diameter x 7-1/2" Long, Threaded Anchor Bolt .....	23.87	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.39	
	For >100 To 250, Deduct	-2.77	
	For >250 To 500, Deduct	-4.68	
	For >500, Deduct	-6.59	
06 05 23 00-0004	EA 3/4" Diameter x 7-1/2" Long, Threaded Anchor Bolt .....	26.44	
	For >10 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.45	
	For >100 To 250, Deduct	-2.90	
	For >250 To 500, Deduct	-4.87	
	For >500, Deduct	-6.85	
06 05 23 00-0005	EA 3/4" Diameter x 12" Long, Threaded Anchor Bolt .....	54.36	
	For >10 To 50, Deduct	-0.72	
	For >50 To 100, Deduct	-2.44	
	For >100 To 250, Deduct	-4.88	
	For >250 To 500, Deduct	-8.03	
	For >500, Deduct	-11.19	
<b>06 05 23 00-0006 Framing Anchors <sup>(06 05 23)</sup></b>			
Note: Including nails.			
06 05 23 00-0007	EA 1-7/16" x 2-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A34) .....	8.51	4.10
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-0.80	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.79	
	For >500, Deduct	-3.98	
06 05 23 00-0008	EA 1-7/16" x 4-1/2", 18 Gauge, Galvanized Framing Angle Anchor (Simpson Strong Tie® A35) .....	9.51	4.51
	For >10 To 50, Deduct	-0.44	
	For >50 To 100, Deduct	-0.90	
	For >100 To 250, Deduct	-1.79	
	For >250 To 500, Deduct	-3.13	
	For >500, Deduct	-4.46	
<b>06 05 23 00-0009 Angle Anchors <sup>(06 05 23)</sup></b>			
Note: Including nails.			
06 05 23 00-0010	EA 2" x 1-1/2" x 1-3/8" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A21) .....	8.60	4.10
	For >10 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-0.80	
	For >100 To 250, Deduct	-1.60	
	For >250 To 500, Deduct	-2.79	
	For >500, Deduct	-3.98	
06 05 23 00-0011	EA 2" x 1-1/2" x 2-3/4" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A23) .....	9.40	4.37
	For >10 To 50, Deduct	-0.42	
	For >50 To 100, Deduct	-0.86	
	For >100 To 250, Deduct	-1.72	
	For >250 To 500, Deduct	-3.00	
	For >500, Deduct	-4.28	
06 05 23 00-0012	EA 3-7/8" x 2" x 2-1/2" Wide, 12 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A24) .....	15.20	4.51
	For >10 To 50, Deduct	-0.44	
	For >50 To 100, Deduct	-1.04	
	For >100 To 250, Deduct	-2.08	
	For >250 To 500, Deduct	-3.55	
	For >500, Deduct	-5.03	
06 05 23 00-0013	EA 3" x 3" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A33) .....	13.85	4.51
	For >10 To 50, Deduct	-0.44	
	For >50 To 100, Deduct	-1.00	
	For >100 To 250, Deduct	-2.01	
	For >250 To 500, Deduct	-3.45	
	For >500, Deduct	-4.90	
06 05 23 00-0014	EA 4-9/16" x 4-9/16" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A44) .....	15.16	5.06
	For >10 To 50, Deduct	-0.48	
	For >50 To 100, Deduct	-1.11	
	For >100 To 250, Deduct	-2.21	
	For >250 To 500, Deduct	-3.80	
	For >500, Deduct	-5.39	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0015	EA	5-7/8" x 5-7/8" x 1-1/2" Wide, 18 Gauge Galvanized Angle Anchor (Simpson Strong Tie® A66)	17.07	5.33
		<i>For &gt;10 To 50, Deduct</i>	-0.52	
		<i>For &gt;50 To 100, Deduct</i>	-1.21	
		<i>For &gt;100 To 250, Deduct</i>	-2.41	
		<i>For &gt;250 To 500, Deduct</i>	-4.14	
		<i>For &gt;500, Deduct</i>	-5.87	
<b>06 05 23 00-0016</b>		<b>Reinforcing Angle Wood Construction Connectors</b> <small>(06 05 23)</small>		
		Note: Including nails.		
06 05 23 00-0017	EA	3" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L30)	9.32	3.83
		<i>For &gt;10 To 50, Deduct</i>	-0.39	
		<i>For &gt;50 To 100, Deduct</i>	-0.82	
		<i>For &gt;100 To 250, Deduct</i>	-1.64	
		<i>For &gt;250 To 500, Deduct</i>	-2.85	
		<i>For &gt;500, Deduct</i>	-4.06	
06 05 23 00-0018	EA	5" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L50)	11.28	4.10
		<i>For &gt;10 To 50, Deduct</i>	-0.41	
		<i>For &gt;50 To 100, Deduct</i>	-0.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.81	
		<i>For &gt;250 To 500, Deduct</i>	-3.13	
		<i>For &gt;500, Deduct</i>	-4.44	
06 05 23 00-0019	EA	7" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L70)	12.67	4.23
		<i>For &gt;10 To 50, Deduct</i>	-0.43	
		<i>For &gt;50 To 100, Deduct</i>	-0.96	
		<i>For &gt;100 To 250, Deduct</i>	-1.91	
		<i>For &gt;250 To 500, Deduct</i>	-3.30	
		<i>For &gt;500, Deduct</i>	-4.68	
06 05 23 00-0020	EA	9" x 3-3/4", 16 Gauge, Galvanized Reinforcing Angle Wood Construction Connectors (Simpson Strong Tie® L90)	13.98	4.37
		<i>For &gt;10 To 50, Deduct</i>	-0.45	
		<i>For &gt;50 To 100, Deduct</i>	-1.02	
		<i>For &gt;100 To 250, Deduct</i>	-2.04	
		<i>For &gt;250 To 500, Deduct</i>	-3.52	
		<i>For &gt;500, Deduct</i>	-4.99	
06 05 23 00-0021	EA	3-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS30)	10.05	3.83
		<i>For &gt;10 To 50, Deduct</i>	-0.39	
		<i>For &gt;50 To 100, Deduct</i>	-0.84	
		<i>For &gt;100 To 250, Deduct</i>	-1.67	
		<i>For &gt;250 To 500, Deduct</i>	-2.90	
		<i>For &gt;500, Deduct</i>	-4.13	
06 05 23 00-0022	EA	4-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS50)	11.03	4.10
		<i>For &gt;10 To 50, Deduct</i>	-0.41	
		<i>For &gt;50 To 100, Deduct</i>	-0.90	
		<i>For &gt;100 To 250, Deduct</i>	-1.80	
		<i>For &gt;250 To 500, Deduct</i>	-3.11	
		<i>For &gt;500, Deduct</i>	-4.42	
06 05 23 00-0023	EA	6-3/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS70)	12.60	4.23
		<i>For &gt;10 To 50, Deduct</i>	-0.43	
		<i>For &gt;50 To 100, Deduct</i>	-0.96	
		<i>For &gt;100 To 250, Deduct</i>	-1.91	
		<i>For &gt;250 To 500, Deduct</i>	-3.29	
		<i>For &gt;500, Deduct</i>	-4.68	
06 05 23 00-0024	EA	7-7/8" x 3-3/4", 18 Gauge, Galvanized Reinforcing Skewable Angle Wood Construction Connectors (Simpson Strong Tie® LS90)	14.76	4.37
		<i>For &gt;10 To 50, Deduct</i>	-0.45	
		<i>For &gt;50 To 100, Deduct</i>	-1.04	
		<i>For &gt;100 To 250, Deduct</i>	-2.08	
		<i>For &gt;250 To 500, Deduct</i>	-3.57	
		<i>For &gt;500, Deduct</i>	-5.06	
<b>06 05 23 00-0025</b>		<b>Hold Down Anchors</b> <small>(06 05 23)</small>		
		Note: Including nails.		
06 05 23 00-0026	EA	8-5/8" High x 2-1/2" Wide x 2-1/4" Deep, 12 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD3B)	64.88	
		<i>For &gt;10 To 50, Deduct</i>	-2.12	
		<i>For &gt;50 To 100, Deduct</i>	-4.80	
		<i>For &gt;100 To 250, Deduct</i>	-9.60	
		<i>For &gt;250 To 500, Deduct</i>	-16.52	
		<i>For &gt;500, Deduct</i>	-23.44	
06 05 23 00-0027	EA	9-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD5B)	87.98	
		<i>For &gt;10 To 50, Deduct</i>	-2.19	
		<i>For &gt;50 To 100, Deduct</i>	-5.48	
		<i>For &gt;100 To 250, Deduct</i>	-10.96	
		<i>For &gt;250 To 500, Deduct</i>	-18.63	
		<i>For &gt;500, Deduct</i>	-26.29	
06 05 23 00-0028	EA	12-3/8" High x 2-1/2" Wide x 2-1/2" Deep, 10 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD7B)	107.12	
		<i>For &gt;10 To 50, Deduct</i>	-2.32	
		<i>For &gt;50 To 100, Deduct</i>	-6.16	
		<i>For &gt;100 To 250, Deduct</i>	-12.33	
		<i>For &gt;250 To 500, Deduct</i>	-20.81	
		<i>For &gt;500, Deduct</i>	-29.30	
06 05 23 00-0029	EA	14" High x 2-1/2" Wide x 2-1/2" Deep, 7 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD9B)	125.90	
		<i>For &gt;10 To 50, Deduct</i>	-2.60	
		<i>For &gt;50 To 100, Deduct</i>	-7.04	
		<i>For &gt;100 To 250, Deduct</i>	-14.09	
		<i>For &gt;250 To 500, Deduct</i>	-23.73	
		<i>For &gt;500, Deduct</i>	-33.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0030	EA		20-5/16" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD12) .....	200.52	
			For >10 To 50, Deduct	-3.28	
			For >50 To 100, Deduct	-9.93	
			For >100 To 250, Deduct	-19.87	
			For >250 To 500, Deduct	-33.08	
			For >500, Deduct	-46.30	
06 05 23 00-0031	EA		24-1/2" High x 3-1/2" Wide x 4-1/2" Deep, 3 Gauge, Galvanized Hold Downs (Simpson Strong Tie® HD19) .....	266.37	
			For >10 To 50, Deduct	-3.42	
			For >50 To 100, Deduct	-11.78	
			For >100 To 250, Deduct	-23.57	
			For >250 To 500, Deduct	-38.77	
			For >500, Deduct	-53.97	
06 05 23 00-0032	EA		8-11/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU2-SDS2.5).....	74.99	
			For >10 To 50, Deduct	-2.12	
			For >50 To 100, Deduct	-5.05	
			For >100 To 250, Deduct	-10.11	
			For >250 To 500, Deduct	-17.28	
			For >500, Deduct	-24.45	
06 05 23 00-0033	EA		10-15/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU4-SDS2.5).....	82.39	
			For >10 To 50, Deduct	-2.19	
			For >50 To 100, Deduct	-5.34	
			For >100 To 250, Deduct	-10.68	
			For >250 To 500, Deduct	-18.21	
			For >500, Deduct	-25.74	
06 05 23 00-0034	EA		13-3/16" Height x 3" Wide x 3-1/4" Deep, 14 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU5-SDS2.5).....	91.81	
			For >10 To 50, Deduct	-2.32	
			For >50 To 100, Deduct	-5.78	
			For >100 To 250, Deduct	-11.56	
			For >250 To 500, Deduct	-19.67	
			For >500, Deduct	-27.77	
06 05 23 00-0035	EA		16-5/8" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU8-SDS2.5).....	112.36	
			For >10 To 50, Deduct	-2.60	
			For >50 To 100, Deduct	-6.70	
			For >100 To 250, Deduct	-13.41	
			For >250 To 500, Deduct	-22.71	
			For >500, Deduct	-32.01	
06 05 23 00-0036	EA		22-1/4" Height x 3" Wide x 3-1/2" Deep, 10 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU11-SDS2.5).....	144.46	
			For >10 To 50, Deduct	-3.28	
			For >50 To 100, Deduct	-8.53	
			For >100 To 250, Deduct	-17.06	
			For >250 To 500, Deduct	-28.88	
			For >500, Deduct	-40.69	
06 05 23 00-0037	EA		25-11/16" Height x 3" Wide x 3-1/2" Deep, 7 Gauge, Galvanized Predeflected Holdown With Screws (Simpson Strong Tie® HDU14-SDS2.5).....	160.46	
			For >10 To 50, Deduct	-3.42	
			For >50 To 100, Deduct	-9.14	
			For >100 To 250, Deduct	-18.27	
			For >250 To 500, Deduct	-30.83	
			For >500, Deduct	-43.38	
<b>06 05 23 00-0038</b>			<b>Joist And Beam Hangers</b> (06 05 23)		
			Note: Including nails.		
06 05 23 00-0039	EA		18 Gauge, Galvanized Joist Hanger, For 2" x 4" Joist Also Acceptable For Beam Hangers (Simpson Strong Tie® LU24).....	8.97	3.83
			For >10 To 50, Deduct	-0.39	
			For >50 To 100, Deduct	-0.81	
			For >100 To 250, Deduct	-1.62	
			For >250 To 500, Deduct	-2.82	
			For >500, Deduct	-4.02	
06 05 23 00-0040	EA		18 Gauge, Galvanized Joist Hanger, For 2" x 6" To 2" x 10" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LU28) .....	9.93	4.10
			For >10 To 50, Deduct	-0.41	
			For >50 To 100, Deduct	-0.87	
			For >100 To 250, Deduct	-1.74	
			For >250 To 500, Deduct	-3.02	
			For >500, Deduct	-4.31	
06 05 23 00-0041	EA		16 Gauge, Galvanized Joist Hanger, For 3" x 6" To 3" x 9" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS36) .....	13.33	4.23
			For >10 To 50, Deduct	-0.43	
			For >50 To 100, Deduct	-0.97	
			For >100 To 250, Deduct	-1.95	
			For >250 To 500, Deduct	-3.35	
			For >500, Deduct	-4.75	
06 05 23 00-0042	EA		16 Gauge, Galvanized Joist Hanger, For 3" x 10" To 3" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® LUS310).....	14.45	4.37
			For >10 To 50, Deduct	-0.45	
			For >50 To 100, Deduct	-1.03	
			For >100 To 250, Deduct	-2.07	
			For >250 To 500, Deduct	-3.55	
			For >500, Deduct	-5.03	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0043	EA		14 Gauge, Galvanized Joist Hanger, For 4" x 6" To 4" x 8" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS46).....	21.27	4.65
			<i>For &gt;10 To 50, Deduct</i>	-0.46	
			<i>For &gt;50 To 100, Deduct</i>	-1.22	
			<i>For &gt;100 To 250, Deduct</i>	-2.45	
			<i>For &gt;250 To 500, Deduct</i>	-4.13	
			<i>For &gt;500, Deduct</i>	-5.82	
06 05 23 00-0044	EA		14 Gauge, Galvanized Joist Hanger, For 4" x 10" To 4" x 14" Joist, Also Acceptable For Beam Hangers (Simpson Strong Tie® HUS412).....	25.07	4.79
			<i>For &gt;10 To 50, Deduct</i>	-0.47	
			<i>For &gt;50 To 100, Deduct</i>	-1.34	
			<i>For &gt;100 To 250, Deduct</i>	-2.67	
			<i>For &gt;250 To 500, Deduct</i>	-4.48	
			<i>For &gt;500, Deduct</i>	-6.29	
<b>06 05 23 00-0045</b>			<b>Anchor And Ties</b> (06 05 23)		
			Note: Including nails.		
06 05 23 00-0046	EA		12-3/8" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT4).....	36.84	
			Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0047	EA		16" Long, 11 Gauge, Galvanized Heavy Tension Tie (Simpson Strong Tie® HTT5).....	45.61	
			Note: Includes nails. Excludes anchor bolt.		
06 05 23 00-0048	EA		16 Gauge, Zinc Galvanized Finish Mud sill Anchor (Simpson Strong Tie® MASAZ).....	5.22	
06 05 23 00-0049	EA		16 Gauge, Zinc Galvanized Finish Mud sill Anchor (Simpson Strong Tie® MASBZ).....	5.81	
<b>06 05 23 00-0050</b>			<b>Hurricane Ties</b> (06 05 23)		
06 05 23 00-0051	EA		6" x 1-3/8" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5A).....	9.97	4.23
			<i>For &gt;10 To 50, Deduct</i>	-0.47	
			<i>For &gt;50 To 100, Deduct</i>	-0.96	
			<i>For &gt;100 To 250, Deduct</i>	-1.91	
			<i>For &gt;250 To 500, Deduct</i>	-3.34	
			<i>For &gt;500, Deduct</i>	-4.77	
06 05 23 00-0052	EA		6" x 1-3/8" Wide, 18 Gauge, Zinc Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2.5AZ).....	3.50	
06 05 23 00-0053	EA		6" x 1-3/8" Wide, 18 Gauge, Stainless Steel Hurricane Ties (Simpson Strong Tie® H2.5ASS).....	8.62	
06 05 23 00-0054	EA		10-7/16" x 1-1/2" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H2A).....	11.87	4.23
			<i>For &gt;10 To 50, Deduct</i>	-0.47	
			<i>For &gt;50 To 100, Deduct</i>	-1.00	
			<i>For &gt;100 To 250, Deduct</i>	-2.01	
			<i>For &gt;250 To 500, Deduct</i>	-3.48	
			<i>For &gt;500, Deduct</i>	-4.96	
06 05 23 00-0055	EA		19-3/16" x 2-1/4" Wide, 18 Gauge, Galvanized Finish Hurricane Ties (Simpson Strong Tie® H6).....	18.23	
<b>06 05 23 00-0056</b>			<b>Post Column Bases</b> (06 05 23)		
			Note: Including nails.		
06 05 23 00-0057	EA		Adjustable And Standoff 4" x 4" Post Base, With Bolts (Simpson Strong Tie® ABA44).....	35.21	
06 05 23 00-0058	EA		Adjustable And Standoff 4" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA46).....	52.53	
06 05 23 00-0059	EA		Adjustable And Standoff 6" x 6" Post Base, With Bolts (Simpson Strong Tie® ABA66).....	54.07	
<b>06 05 23 00-0060</b>			<b>Post Column Caps</b> (06 05 23)		
			Note: Including nails.		
06 05 23 00-0061	EA		4" Beam, 4" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC4).....	19.33	4.79
			<i>For &gt;10 To 50, Deduct</i>	-0.53	
			<i>For &gt;50 To 100, Deduct</i>	-1.27	
			<i>For &gt;100 To 250, Deduct</i>	-2.54	
			<i>For &gt;250 To 500, Deduct</i>	-4.34	
			<i>For &gt;500, Deduct</i>	-6.14	
06 05 23 00-0062	EA		6" Beam, 6" Post Flange, 18 Gauge, Galvanized Post Cap (Simpson Strong Tie® BC6).....	40.31	4.79
			<i>For &gt;10 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.84	
			<i>For &gt;100 To 250, Deduct</i>	-3.68	
			<i>For &gt;250 To 500, Deduct</i>	-6.08	
			<i>For &gt;500, Deduct</i>	-8.47	
06 05 23 00-0063	EA		3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-4).....	195.64	
			Note: Excludes field welding		
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-6.94	
			<i>For &gt;100 To 250, Deduct</i>	-13.88	
			<i>For &gt;250 To 500, Deduct</i>	-22.19	
			<i>For &gt;500, Deduct</i>	-30.50	
			<i>For Hot Dipped Galvanized, Add</i>	75.74	
06 05 23 00-0064	EA		3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC3 1/4-6).....	205.00	
			<i>For &gt;10 To 50, Deduct</i>	-1.54	
			<i>For &gt;50 To 100, Deduct</i>	-7.43	
			<i>For &gt;100 To 250, Deduct</i>	-14.86	
			<i>For &gt;250 To 500, Deduct</i>	-23.83	
			<i>For &gt;500, Deduct</i>	-32.80	
			<i>For Hot Dipped Galvanized, Add</i>	78.41	
06 05 23 00-0065	EA		4" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC44).....	128.21	
			Note: Excludes field welding		
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-5.26	
			<i>For &gt;100 To 250, Deduct</i>	-10.51	
			<i>For &gt;250 To 500, Deduct</i>	-17.13	
			<i>For &gt;500, Deduct</i>	-23.76	
			<i>For Hot Dipped Galvanized, Add</i>	45.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0066	EA		4" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC46).....	200.90	
			<i>For &gt;10 To 50, Deduct</i>	-1.54	
			<i>For &gt;50 To 100, Deduct</i>	-7.33	
			<i>For &gt;100 To 250, Deduct</i>	-14.66	
			<i>For &gt;250 To 500, Deduct</i>	-23.52	
			<i>For &gt;500, Deduct</i>	-32.39	
			<i>For Hot Dipped Galvanized, Add</i>	76.57	
06 05 23 00-0067	EA		4" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC48).....	209.76	
			Note: Excludes field welding		
			<i>For &gt;10 To 50, Deduct</i>	-1.54	
			<i>For &gt;50 To 100, Deduct</i>	-7.55	
			<i>For &gt;100 To 250, Deduct</i>	-15.10	
			<i>For &gt;250 To 500, Deduct</i>	-24.19	
			<i>For &gt;500, Deduct</i>	-33.28	
			<i>For Hot Dipped Galvanized, Add</i>	80.55	
06 05 23 00-0068	EA		6" Beam, 4" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC64).....	213.92	
			<i>For &gt;10 To 50, Deduct</i>	-1.47	
			<i>For &gt;50 To 100, Deduct</i>	-7.55	
			<i>For &gt;100 To 250, Deduct</i>	-15.10	
			<i>For &gt;250 To 500, Deduct</i>	-24.12	
			<i>For &gt;500, Deduct</i>	-33.14	
			<i>For Hot Dipped Galvanized, Add</i>	83.04	
06 05 23 00-0069	EA		6" Beam, 6" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC66).....	216.66	
			<i>For &gt;10 To 50, Deduct</i>	-1.61	
			<i>For &gt;50 To 100, Deduct</i>	-7.83	
			<i>For &gt;100 To 250, Deduct</i>	-15.65	
			<i>For &gt;250 To 500, Deduct</i>	-25.08	
			<i>For &gt;500, Deduct</i>	-34.51	
			<i>For Hot Dipped Galvanized, Add</i>	83.04	
06 05 23 00-0070	EA		6" Beam, 8" Post, 7 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC68).....	216.66	
			<i>For &gt;10 To 50, Deduct</i>	-1.61	
			<i>For &gt;50 To 100, Deduct</i>	-7.83	
			<i>For &gt;100 To 250, Deduct</i>	-15.65	
			<i>For &gt;250 To 500, Deduct</i>	-25.08	
			<i>For &gt;500, Deduct</i>	-34.51	
			<i>For Hot Dipped Galvanized, Add</i>	83.04	
06 05 23 00-0071	EA		5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-4).....	248.66	
			<i>For &gt;10 To 50, Deduct</i>	-1.47	
			<i>For &gt;50 To 100, Deduct</i>	-8.42	
			<i>For &gt;100 To 250, Deduct</i>	-16.84	
			<i>For &gt;250 To 500, Deduct</i>	-26.73	
			<i>For &gt;500, Deduct</i>	-36.62	
			<i>For Hot Dipped Galvanized, Add</i>	98.68	
06 05 23 00-0072	EA		5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-6).....	251.40	
			<i>For &gt;10 To 50, Deduct</i>	-1.61	
			<i>For &gt;50 To 100, Deduct</i>	-8.69	
			<i>For &gt;100 To 250, Deduct</i>	-17.39	
			<i>For &gt;250 To 500, Deduct</i>	-27.69	
			<i>For &gt;500, Deduct</i>	-37.99	
			<i>For Hot Dipped Galvanized, Add</i>	98.68	
06 05 23 00-0073	EA		5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC5 1/4-8).....	251.40	
			<i>For &gt;10 To 50, Deduct</i>	-1.61	
			<i>For &gt;50 To 100, Deduct</i>	-8.69	
			<i>For &gt;100 To 250, Deduct</i>	-17.39	
			<i>For &gt;250 To 500, Deduct</i>	-27.69	
			<i>For &gt;500, Deduct</i>	-37.99	
			<i>For Hot Dipped Galvanized, Add</i>	98.68	
06 05 23 00-0074	EA		8" Beam, 4" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC84).....	302.46	
			<i>For &gt;10 To 50, Deduct</i>	-1.47	
			<i>For &gt;50 To 100, Deduct</i>	-9.77	
			<i>For &gt;100 To 250, Deduct</i>	-19.53	
			<i>For &gt;250 To 500, Deduct</i>	-30.76	
			<i>For &gt;500, Deduct</i>	-42.00	
			<i>For Hot Dipped Galvanized, Add</i>	122.89	
06 05 23 00-0075	EA		8" Beam, 6" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC86).....	305.20	
			<i>For &gt;10 To 50, Deduct</i>	-1.61	
			<i>For &gt;50 To 100, Deduct</i>	-10.04	
			<i>For &gt;100 To 250, Deduct</i>	-20.08	
			<i>For &gt;250 To 500, Deduct</i>	-31.72	
			<i>For &gt;500, Deduct</i>	-43.37	
			<i>For Hot Dipped Galvanized, Add</i>	122.89	
06 05 23 00-0076	EA		8" Beam, 8" Post, 3 Gauge, Gray Paint Column Cap With Bolts (Simpson Strong Tie® CC88).....	305.20	
			<i>For &gt;10 To 50, Deduct</i>	-1.61	
			<i>For &gt;50 To 100, Deduct</i>	-10.04	
			<i>For &gt;100 To 250, Deduct</i>	-20.08	
			<i>For &gt;250 To 500, Deduct</i>	-31.72	
			<i>For &gt;500, Deduct</i>	-43.37	
			<i>For Hot Dipped Galvanized, Add</i>	122.89	
06 05 23 00-0077	EA		3-1/8" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-4).....	195.64	
			Note: Excludes field welding		
			<i>For &gt;10 To 50, Deduct</i>	-1.37	
			<i>For &gt;50 To 100, Deduct</i>	-6.94	
			<i>For &gt;100 To 250, Deduct</i>	-13.88	
			<i>For &gt;250 To 500, Deduct</i>	-22.19	
			<i>For &gt;500, Deduct</i>	-30.50	
			<i>For Hot Dipped Galvanized, Add</i>	75.74	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0078	EA	3-1/8" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC3 1/4-6).....	205.00	
		<i>For &gt;10 To 50, Deduct</i>	-1.54	
		<i>For &gt;50 To 100, Deduct</i>	-7.43	
		<i>For &gt;100 To 250, Deduct</i>	-14.86	
		<i>For &gt;250 To 500, Deduct</i>	-23.83	
		<i>For &gt;500, Deduct</i>	-32.80	
		<i>For Hot Dipped Galvanized, Add</i>	78.41	
06 05 23 00-0079	EA	4" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC4).....	128.21	
		Note: Excludes field welding		
		<i>For &gt;10 To 50, Deduct</i>	-1.37	
		<i>For &gt;50 To 100, Deduct</i>	-5.26	
		<i>For &gt;100 To 250, Deduct</i>	-10.51	
		<i>For &gt;250 To 500, Deduct</i>	-17.13	
		<i>For &gt;500, Deduct</i>	-23.76	
		<i>For Hot Dipped Galvanized, Add</i>	45.39	
06 05 23 00-0080	EA	4" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC46).....	200.90	
		<i>For &gt;10 To 50, Deduct</i>	-1.54	
		<i>For &gt;50 To 100, Deduct</i>	-7.33	
		<i>For &gt;100 To 250, Deduct</i>	-14.66	
		<i>For &gt;250 To 500, Deduct</i>	-23.52	
		<i>For &gt;500, Deduct</i>	-32.39	
		<i>For Hot Dipped Galvanized, Add</i>	76.57	
06 05 23 00-0081	EA	4" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC48).....	209.76	
		Note: Excludes field welding		
		<i>For &gt;10 To 50, Deduct</i>	-1.54	
		<i>For &gt;50 To 100, Deduct</i>	-7.55	
		<i>For &gt;100 To 250, Deduct</i>	-15.10	
		<i>For &gt;250 To 500, Deduct</i>	-24.19	
		<i>For &gt;500, Deduct</i>	-33.28	
		<i>For Hot Dipped Galvanized, Add</i>	80.55	
06 05 23 00-0082	EA	6" Beam, 4" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC64).....	213.92	
		<i>For &gt;10 To 50, Deduct</i>	-1.47	
		<i>For &gt;50 To 100, Deduct</i>	-7.55	
		<i>For &gt;100 To 250, Deduct</i>	-15.10	
		<i>For &gt;250 To 500, Deduct</i>	-24.12	
		<i>For &gt;500, Deduct</i>	-33.14	
		<i>For Hot Dipped Galvanized, Add</i>	83.04	
06 05 23 00-0083	EA	6" Beam, 6" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC66).....	216.66	
		<i>For &gt;10 To 50, Deduct</i>	-1.61	
		<i>For &gt;50 To 100, Deduct</i>	-7.83	
		<i>For &gt;100 To 250, Deduct</i>	-15.65	
		<i>For &gt;250 To 500, Deduct</i>	-25.08	
		<i>For &gt;500, Deduct</i>	-34.51	
		<i>For Hot Dipped Galvanized, Add</i>	83.04	
06 05 23 00-0084	EA	6" Beam, 8" Post, 7 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC68).....	216.66	
		<i>For &gt;10 To 50, Deduct</i>	-1.61	
		<i>For &gt;50 To 100, Deduct</i>	-7.83	
		<i>For &gt;100 To 250, Deduct</i>	-15.65	
		<i>For &gt;250 To 500, Deduct</i>	-25.08	
		<i>For &gt;500, Deduct</i>	-34.51	
		<i>For Hot Dipped Galvanized, Add</i>	83.04	
06 05 23 00-0085	EA	5-1/8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-4).....	248.66	
		<i>For &gt;10 To 50, Deduct</i>	-1.47	
		<i>For &gt;50 To 100, Deduct</i>	-8.42	
		<i>For &gt;100 To 250, Deduct</i>	-16.84	
		<i>For &gt;250 To 500, Deduct</i>	-26.73	
		<i>For &gt;500, Deduct</i>	-36.62	
		<i>For Hot Dipped Galvanized, Add</i>	98.68	
06 05 23 00-0086	EA	5-1/8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-6).....	251.40	
		<i>For &gt;10 To 50, Deduct</i>	-1.61	
		<i>For &gt;50 To 100, Deduct</i>	-8.69	
		<i>For &gt;100 To 250, Deduct</i>	-17.39	
		<i>For &gt;250 To 500, Deduct</i>	-27.69	
		<i>For &gt;500, Deduct</i>	-37.99	
		<i>For Hot Dipped Galvanized, Add</i>	98.68	
06 05 23 00-0087	EA	5-1/8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC5 1/4-8).....	251.40	
		<i>For &gt;10 To 50, Deduct</i>	-1.61	
		<i>For &gt;50 To 100, Deduct</i>	-8.69	
		<i>For &gt;100 To 250, Deduct</i>	-17.39	
		<i>For &gt;250 To 500, Deduct</i>	-27.69	
		<i>For &gt;500, Deduct</i>	-37.99	
		<i>For Hot Dipped Galvanized, Add</i>	98.68	
06 05 23 00-0088	EA	8" Beam, 4" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC84).....	302.46	
		<i>For &gt;10 To 50, Deduct</i>	-1.47	
		<i>For &gt;50 To 100, Deduct</i>	-9.77	
		<i>For &gt;100 To 250, Deduct</i>	-19.53	
		<i>For &gt;250 To 500, Deduct</i>	-30.76	
		<i>For &gt;500, Deduct</i>	-42.00	
		<i>For Hot Dipped Galvanized, Add</i>	122.89	
06 05 23 00-0089	EA	8" Beam, 6" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC86).....	305.20	
		<i>For &gt;10 To 50, Deduct</i>	-1.61	
		<i>For &gt;50 To 100, Deduct</i>	-10.04	
		<i>For &gt;100 To 250, Deduct</i>	-20.08	
		<i>For &gt;250 To 500, Deduct</i>	-31.72	
		<i>For &gt;500, Deduct</i>	-43.37	
		<i>For Hot Dipped Galvanized, Add</i>	122.89	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0090 EA 8" Beam, 8" Post, 3 Gauge, Gray Paint End Column Cap With Bolts (Simpson Strong Tie® ECC88).....	305.20	
For >10 To 50, Deduct	-1.61	
For >50 To 100, Deduct	-10.04	
For >100 To 250, Deduct	-20.08	
For >250 To 500, Deduct	-31.72	
For >500, Deduct	-43.37	
For Hot Dipped Galvanized, Add	122.89	
06 05 23 00-0091 Rafter Connectors (06 05 23)		
06 05 23 00-0092 EA Galvanized Rigid Rafter Connector, For 2" x 6" (Simpson Strong Tie® RR).....	11.58	4.23
For >10 To 50, Deduct	-0.47	
For >50 To 100, Deduct	-1.00	
For >100 To 250, Deduct	-1.99	
For >250 To 500, Deduct	-3.46	
For >500, Deduct	-4.93	
06 05 23 00-0093 Bolts And Fasteners (06 05 23)		
06 05 23 00-0094 Carriage Bolts (06 05 23 00-0093)		
Note: Includes drilling of holes in any material. Includes nut and washer.		
06 05 23 00-0095 Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0094)		
06 05 23 00-0096 EA 1/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.21	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-1.79	
For >100 To 250, Deduct	-3.58	
For >250 To 500, Deduct	-6.25	
For >500, Deduct	-8.93	
06 05 23 00-0097 EA 1/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.41	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-1.79	
For >100 To 250, Deduct	-3.59	
For >250 To 500, Deduct	-6.27	
For >500, Deduct	-8.95	
06 05 23 00-0098 EA 1/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	18.53	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-1.80	
For >100 To 250, Deduct	-3.59	
For >250 To 500, Deduct	-6.28	
For >500, Deduct	-8.96	
06 05 23 00-0099 EA 1/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.61	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.08	
For >100 To 250, Deduct	-4.16	
For >250 To 500, Deduct	-7.26	
For >500, Deduct	-10.36	
06 05 23 00-0100 EA 3/8" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	20.09	
For >10 To 50, Deduct	-0.96	
For >50 To 100, Deduct	-1.94	
For >100 To 250, Deduct	-3.87	
For >250 To 500, Deduct	-6.77	
For >500, Deduct	-9.66	
06 05 23 00-0101 EA 3/8" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	21.78	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.08	
For >100 To 250, Deduct	-4.16	
For >250 To 500, Deduct	-7.27	
For >500, Deduct	-10.38	
06 05 23 00-0102 EA 3/8" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	22.09	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.09	
For >100 To 250, Deduct	-4.18	
For >250 To 500, Deduct	-7.29	
For >500, Deduct	-10.41	
06 05 23 00-0103 EA 3/8" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	26.43	
For >10 To 50, Deduct	-1.23	
For >50 To 100, Deduct	-2.51	
For >100 To 250, Deduct	-5.01	
For >250 To 500, Deduct	-8.75	
For >500, Deduct	-12.49	
06 05 23 00-0104 EA 3/8" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	28.72	
For >10 To 50, Deduct	-1.30	
For >50 To 100, Deduct	-2.67	
For >100 To 250, Deduct	-5.33	
For >250 To 500, Deduct	-9.30	
For >500, Deduct	-13.26	
06 05 23 00-0105 EA 3/8" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	32.40	
For >10 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-2.96	
For >100 To 250, Deduct	-5.93	
For >250 To 500, Deduct	-10.33	
For >500, Deduct	-14.72	
06 05 23 00-0106 EA 1/2" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt.....	22.44	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.10	
For >100 To 250, Deduct	-4.20	
For >250 To 500, Deduct	-7.32	
For >500, Deduct	-10.44	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0107	EA 1/2" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	24.62	
	<i>For &gt;10 To 50, Deduct</i>	-1.09	
	<i>For &gt;50 To 100, Deduct</i>	-2.26	
	<i>For &gt;100 To 250, Deduct</i>	-4.51	
	<i>For &gt;250 To 500, Deduct</i>	-7.86	
	<i>For &gt;500, Deduct</i>	-11.21	
06 05 23 00-0108	EA 1/2" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	26.24	
	<i>For &gt;10 To 50, Deduct</i>	-1.16	
	<i>For &gt;50 To 100, Deduct</i>	-2.40	
	<i>For &gt;100 To 250, Deduct</i>	-4.80	
	<i>For &gt;250 To 500, Deduct</i>	-8.36	
	<i>For &gt;500, Deduct</i>	-11.92	
06 05 23 00-0109	EA 1/2" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	29.42	
	<i>For &gt;10 To 50, Deduct</i>	-1.30	
	<i>For &gt;50 To 100, Deduct</i>	-2.68	
	<i>For &gt;100 To 250, Deduct</i>	-5.37	
	<i>For &gt;250 To 500, Deduct</i>	-9.35	
	<i>For &gt;500, Deduct</i>	-13.33	
06 05 23 00-0110	EA 1/2" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	34.61	
	<i>For &gt;10 To 50, Deduct</i>	-1.50	
	<i>For &gt;50 To 100, Deduct</i>	-3.12	
	<i>For &gt;100 To 250, Deduct</i>	-6.24	
	<i>For &gt;250 To 500, Deduct</i>	-10.87	
	<i>For &gt;500, Deduct</i>	-15.49	
06 05 23 00-0111	EA 1/2" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	38.80	
	<i>For &gt;10 To 50, Deduct</i>	-1.64	
	<i>For &gt;50 To 100, Deduct</i>	-3.43	
	<i>For &gt;100 To 250, Deduct</i>	-6.86	
	<i>For &gt;250 To 500, Deduct</i>	-11.93	
	<i>For &gt;500, Deduct</i>	-17.00	
06 05 23 00-0112	EA 3/4" Diameter x 2" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.80	
	<i>For &gt;10 To 50, Deduct</i>	-1.23	
	<i>For &gt;50 To 100, Deduct</i>	-2.62	
	<i>For &gt;100 To 250, Deduct</i>	-5.23	
	<i>For &gt;250 To 500, Deduct</i>	-9.08	
	<i>For &gt;500, Deduct</i>	-12.92	
06 05 23 00-0113	EA 3/4" Diameter x 4" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	33.41	
	<i>For &gt;10 To 50, Deduct</i>	-1.30	
	<i>For &gt;50 To 100, Deduct</i>	-2.78	
	<i>For &gt;100 To 250, Deduct</i>	-5.57	
	<i>For &gt;250 To 500, Deduct</i>	-9.65	
	<i>For &gt;500, Deduct</i>	-13.73	
06 05 23 00-0114	EA 3/4" Diameter x 6" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	40.07	
	<i>For &gt;10 To 50, Deduct</i>	-1.50	
	<i>For &gt;50 To 100, Deduct</i>	-3.26	
	<i>For &gt;100 To 250, Deduct</i>	-6.51	
	<i>For &gt;250 To 500, Deduct</i>	-11.27	
	<i>For &gt;500, Deduct</i>	-16.04	
06 05 23 00-0115	EA 3/4" Diameter x 8" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	45.14	
	<i>For &gt;10 To 50, Deduct</i>	-1.57	
	<i>For &gt;50 To 100, Deduct</i>	-3.49	
	<i>For &gt;100 To 250, Deduct</i>	-6.97	
	<i>For &gt;250 To 500, Deduct</i>	-12.03	
	<i>For &gt;500, Deduct</i>	-17.09	
06 05 23 00-0116	EA 3/4" Diameter x 10" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	49.01	
	<i>For &gt;10 To 50, Deduct</i>	-1.71	
	<i>For &gt;50 To 100, Deduct</i>	-3.79	
	<i>For &gt;100 To 250, Deduct</i>	-7.58	
	<i>For &gt;250 To 500, Deduct</i>	-13.07	
	<i>For &gt;500, Deduct</i>	-18.57	
06 05 23 00-0117	EA 3/4" Diameter x 12" Length, Zinc Plated Steel, Low Carbon/Grade 2, Carriage Bolt .....	49.96	
	<i>For &gt;10 To 50, Deduct</i>	-1.78	
	<i>For &gt;50 To 100, Deduct</i>	-3.91	
	<i>For &gt;100 To 250, Deduct</i>	-7.83	
	<i>For &gt;250 To 500, Deduct</i>	-13.52	
	<i>For &gt;500, Deduct</i>	-19.21	

**06 05 23 00-0118 Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolts (06 05 23 00-0094)**

06 05 23 00-0119	EA 1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.56	
	<i>For &gt;10 To 50, Deduct</i>	-0.89	
	<i>For &gt;50 To 100, Deduct</i>	-1.80	
	<i>For &gt;100 To 250, Deduct</i>	-3.59	
	<i>For &gt;250 To 500, Deduct</i>	-6.28	
	<i>For &gt;500, Deduct</i>	-8.96	
06 05 23 00-0120	EA 1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	18.92	
	<i>For &gt;10 To 50, Deduct</i>	-0.89	
	<i>For &gt;50 To 100, Deduct</i>	-1.81	
	<i>For &gt;100 To 250, Deduct</i>	-3.61	
	<i>For &gt;250 To 500, Deduct</i>	-6.31	
	<i>For &gt;500, Deduct</i>	-9.00	
06 05 23 00-0121	EA 1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	19.33	
	<i>For &gt;10 To 50, Deduct</i>	-0.89	
	<i>For &gt;50 To 100, Deduct</i>	-1.82	
	<i>For &gt;100 To 250, Deduct</i>	-3.63	
	<i>For &gt;250 To 500, Deduct</i>	-6.34	
	<i>For &gt;500, Deduct</i>	-9.04	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0122 EA 1/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.96	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.11	
For >100 To 250, Deduct	-4.22	
For >250 To 500, Deduct	-7.36	
For >500, Deduct	-10.50	
06 05 23 00-0123 EA 3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	20.58	
For >10 To 50, Deduct	-0.96	
For >50 To 100, Deduct	-1.95	
For >100 To 250, Deduct	-3.90	
For >250 To 500, Deduct	-6.80	
For >500, Deduct	-9.71	
06 05 23 00-0124 EA 3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.54	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.10	
For >100 To 250, Deduct	-4.20	
For >250 To 500, Deduct	-7.33	
For >500, Deduct	-10.45	
06 05 23 00-0125 EA 3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	22.99	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.11	
For >100 To 250, Deduct	-4.22	
For >250 To 500, Deduct	-7.36	
For >500, Deduct	-10.50	
06 05 23 00-0126 EA 3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	27.79	
For >10 To 50, Deduct	-1.23	
For >50 To 100, Deduct	-2.54	
For >100 To 250, Deduct	-5.08	
For >250 To 500, Deduct	-8.65	
For >500, Deduct	-12.62	
06 05 23 00-0127 EA 3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.25	
For >10 To 50, Deduct	-1.30	
For >50 To 100, Deduct	-2.70	
For >100 To 250, Deduct	-5.41	
For >250 To 500, Deduct	-9.41	
For >500, Deduct	-13.41	
06 05 23 00-0128 EA 3/8" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	33.81	
For >10 To 50, Deduct	-1.44	
For >50 To 100, Deduct	-3.00	
For >100 To 250, Deduct	-6.00	
For >250 To 500, Deduct	-10.43	
For >500, Deduct	-14.87	
06 05 23 00-0129 EA 1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	23.58	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.13	
For >100 To 250, Deduct	-4.25	
For >250 To 500, Deduct	-7.41	
For >500, Deduct	-10.56	
06 05 23 00-0130 EA 1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	25.52	
For >10 To 50, Deduct	-1.09	
For >50 To 100, Deduct	-2.28	
For >100 To 250, Deduct	-4.56	
For >250 To 500, Deduct	-7.93	
For >500, Deduct	-11.30	
06 05 23 00-0131 EA 1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	27.31	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.43	
For >100 To 250, Deduct	-4.85	
For >250 To 500, Deduct	-8.44	
For >500, Deduct	-12.02	
06 05 23 00-0132 EA 1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	30.96	
For >10 To 50, Deduct	-1.30	
For >50 To 100, Deduct	-2.72	
For >100 To 250, Deduct	-5.44	
For >250 To 500, Deduct	-9.46	
For >500, Deduct	-13.48	
06 05 23 00-0133 EA 1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	36.11	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-3.16	
For >100 To 250, Deduct	-6.32	
For >250 To 500, Deduct	-10.98	
For >500, Deduct	-15.64	
06 05 23 00-0134 EA 1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	39.96	
For >10 To 50, Deduct	-1.64	
For >50 To 100, Deduct	-3.46	
For >100 To 250, Deduct	-6.92	
For >250 To 500, Deduct	-12.02	
For >500, Deduct	-17.12	
06 05 23 00-0135 EA 3/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	34.22	
For >10 To 50, Deduct	-1.23	
For >50 To 100, Deduct	-2.70	
For >100 To 250, Deduct	-5.40	
For >250 To 500, Deduct	-9.33	
For >500, Deduct	-13.27	
06 05 23 00-0136 EA 3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	35.80	
For >10 To 50, Deduct	-1.30	
For >50 To 100, Deduct	-2.84	
For >100 To 250, Deduct	-5.69	
For >250 To 500, Deduct	-9.83	
For >500, Deduct	-13.97	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0137	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	41.77	
		<i>For &gt;10 To 50, Deduct</i>	-1.50	
		<i>For &gt;50 To 100, Deduct</i>	-3.30	
		<i>For &gt;100 To 250, Deduct</i>	-6.60	
		<i>For &gt;250 To 500, Deduct</i>	-11.40	
		<i>For &gt;500, Deduct</i>	-16.21	
06 05 23 00-0138	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	45.01	
		<i>For &gt;10 To 50, Deduct</i>	-1.57	
		<i>For &gt;50 To 100, Deduct</i>	-3.48	
		<i>For &gt;100 To 250, Deduct</i>	-6.97	
		<i>For &gt;250 To 500, Deduct</i>	-12.02	
		<i>For &gt;500, Deduct</i>	-17.08	
06 05 23 00-0139	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	51.22	
		<i>For &gt;10 To 50, Deduct</i>	-1.71	
		<i>For &gt;50 To 100, Deduct</i>	-3.84	
		<i>For &gt;100 To 250, Deduct</i>	-7.69	
		<i>For &gt;250 To 500, Deduct</i>	-13.24	
		<i>For &gt;500, Deduct</i>	-18.79	
06 05 23 00-0140	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Low Carbon/Grade 2, Carriage Bolt .....	54.56	
		<i>For &gt;10 To 50, Deduct</i>	-1.78	
		<i>For &gt;50 To 100, Deduct</i>	-4.03	
		<i>For &gt;100 To 250, Deduct</i>	-8.06	
		<i>For &gt;250 To 500, Deduct</i>	-13.87	
		<i>For &gt;500, Deduct</i>	-19.67	

**06 05 23 00-0141 304/18-8 Stainless Steel, Carriage Bolts (06 05 23 00-0094)**

06 05 23 00-0142	EA	1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	19.51	
		<i>For &gt;10 To 50, Deduct</i>	-0.89	
		<i>For &gt;50 To 100, Deduct</i>	-1.82	
		<i>For &gt;100 To 250, Deduct</i>	-3.64	
		<i>For &gt;250 To 500, Deduct</i>	-6.35	
		<i>For &gt;500, Deduct</i>	-9.06	
06 05 23 00-0143	EA	1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	21.42	
		<i>For &gt;10 To 50, Deduct</i>	-0.89	
		<i>For &gt;50 To 100, Deduct</i>	-1.87	
		<i>For &gt;100 To 250, Deduct</i>	-3.74	
		<i>For &gt;250 To 500, Deduct</i>	-6.49	
		<i>For &gt;500, Deduct</i>	-9.25	
06 05 23 00-0144	EA	1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	22.67	
		<i>For &gt;10 To 50, Deduct</i>	-0.89	
		<i>For &gt;50 To 100, Deduct</i>	-1.90	
		<i>For &gt;100 To 250, Deduct</i>	-3.80	
		<i>For &gt;250 To 500, Deduct</i>	-6.59	
		<i>For &gt;500, Deduct</i>	-9.38	
06 05 23 00-0145	EA	1/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	38.84	
		<i>For &gt;10 To 50, Deduct</i>	-1.03	
		<i>For &gt;50 To 100, Deduct</i>	-2.51	
		<i>For &gt;100 To 250, Deduct</i>	-5.02	
		<i>For &gt;250 To 500, Deduct</i>	-8.55	
		<i>For &gt;500, Deduct</i>	-12.08	
06 05 23 00-0146	EA	3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	22.64	
		<i>For &gt;10 To 50, Deduct</i>	-0.96	
		<i>For &gt;50 To 100, Deduct</i>	-2.00	
		<i>For &gt;100 To 250, Deduct</i>	-4.00	
		<i>For &gt;250 To 500, Deduct</i>	-6.96	
		<i>For &gt;500, Deduct</i>	-9.92	
06 05 23 00-0147	EA	3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	26.78	
		<i>For &gt;10 To 50, Deduct</i>	-1.03	
		<i>For &gt;50 To 100, Deduct</i>	-2.21	
		<i>For &gt;100 To 250, Deduct</i>	-4.41	
		<i>For &gt;250 To 500, Deduct</i>	-7.65	
		<i>For &gt;500, Deduct</i>	-10.88	
06 05 23 00-0148	EA	3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	27.38	
		<i>For &gt;10 To 50, Deduct</i>	-1.03	
		<i>For &gt;50 To 100, Deduct</i>	-2.22	
		<i>For &gt;100 To 250, Deduct</i>	-4.44	
		<i>For &gt;250 To 500, Deduct</i>	-7.69	
		<i>For &gt;500, Deduct</i>	-10.94	
06 05 23 00-0149	EA	3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	51.39	
		<i>For &gt;10 To 50, Deduct</i>	-1.23	
		<i>For &gt;50 To 100, Deduct</i>	-3.13	
		<i>For &gt;100 To 250, Deduct</i>	-6.26	
		<i>For &gt;250 To 500, Deduct</i>	-10.62	
		<i>For &gt;500, Deduct</i>	-14.98	
06 05 23 00-0150	EA	3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	62.69	
		<i>For &gt;10 To 50, Deduct</i>	-1.30	
		<i>For &gt;50 To 100, Deduct</i>	-3.52	
		<i>For &gt;100 To 250, Deduct</i>	-7.03	
		<i>For &gt;250 To 500, Deduct</i>	-11.84	
		<i>For &gt;500, Deduct</i>	-16.66	
06 05 23 00-0151	EA	3/8" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt.....	70.26	
		<i>For &gt;10 To 50, Deduct</i>	-1.44	
		<i>For &gt;50 To 100, Deduct</i>	-3.91	
		<i>For &gt;100 To 250, Deduct</i>	-7.82	
		<i>For &gt;250 To 500, Deduct</i>	-13.16	
		<i>For &gt;500, Deduct</i>	-18.51	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0152 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	29.01	
For >10 To 50, Deduct	-1.03	
For >50 To 100, Deduct	-2.26	
For >100 To 250, Deduct	-4.53	
For >250 To 500, Deduct	-7.81	
For >500, Deduct	-11.10	
06 05 23 00-0153 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	33.04	
For >10 To 50, Deduct	-1.09	
For >50 To 100, Deduct	-2.47	
For >100 To 250, Deduct	-4.93	
For >250 To 500, Deduct	-8.49	
For >500, Deduct	-12.05	
06 05 23 00-0154 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	40.19	
For >10 To 50, Deduct	-1.16	
For >50 To 100, Deduct	-2.75	
For >100 To 250, Deduct	-5.49	
For >250 To 500, Deduct	-9.40	
For >500, Deduct	-13.31	
06 05 23 00-0155 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	64.44	
For >10 To 50, Deduct	-1.30	
For >50 To 100, Deduct	-3.56	
For >100 To 250, Deduct	-7.12	
For >250 To 500, Deduct	-11.97	
For >500, Deduct	-16.83	
06 05 23 00-0156 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	72.75	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-4.07	
For >100 To 250, Deduct	-8.15	
For >250 To 500, Deduct	-13.73	
For >500, Deduct	-19.30	
06 05 23 00-0157 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	114.93	
For >10 To 50, Deduct	-1.64	
For >50 To 100, Deduct	-5.33	
For >100 To 250, Deduct	-10.67	
For >250 To 500, Deduct	-17.64	
For >500, Deduct	-24.61	
06 05 23 00-0158 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	89.23	
For >10 To 50, Deduct	-1.30	
For >50 To 100, Deduct	-4.18	
For >100 To 250, Deduct	-8.36	
For >250 To 500, Deduct	-13.83	
For >500, Deduct	-19.31	
06 05 23 00-0159 EA 3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	126.68	
For >10 To 50, Deduct	-1.50	
For >50 To 100, Deduct	-5.42	
For >100 To 250, Deduct	-10.84	
For >250 To 500, Deduct	-17.77	
For >500, Deduct	-24.70	
06 05 23 00-0160 EA 3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	140.47	
For >10 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-5.87	
For >100 To 250, Deduct	-11.74	
For >250 To 500, Deduct	-19.18	
For >500, Deduct	-26.62	
06 05 23 00-0161 EA 3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	207.94	
For >10 To 50, Deduct	-1.71	
For >50 To 100, Deduct	-7.76	
For >100 To 250, Deduct	-15.52	
For >250 To 500, Deduct	-24.99	
For >500, Deduct	-34.46	
06 05 23 00-0162 EA 3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Carriage Bolt .....	218.75	
For >10 To 50, Deduct	-1.78	
For >50 To 100, Deduct	-8.13	
For >100 To 250, Deduct	-16.27	
For >250 To 500, Deduct	-26.18	
For >500, Deduct	-36.09	
<b>06 05 23 00-0163 316 Stainless Steel, Carriage Bolts (06 05 23 00-0094)</b>		
06 05 23 00-0164 EA 1/4" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	28.33	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-2.04	
For >100 To 250, Deduct	-4.08	
For >250 To 500, Deduct	-7.01	
For >500, Deduct	-9.94	
06 05 23 00-0165 EA 1/4" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	31.68	
For >10 To 50, Deduct	-0.89	
For >50 To 100, Deduct	-2.12	
For >100 To 250, Deduct	-4.25	
For >250 To 500, Deduct	-7.26	
For >500, Deduct	-10.28	
06 05 23 00-0166 EA 3/8" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	34.18	
For >10 To 50, Deduct	-0.96	
For >50 To 100, Deduct	-2.29	
For >100 To 250, Deduct	-4.58	
For >250 To 500, Deduct	-7.82	
For >500, Deduct	-11.07	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 05 23 00-0167	EA	3/8" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	40.20	
		<i>For &gt;10 To 50, Deduct</i>	-1.03	
		<i>For &gt;50 To 100, Deduct</i>	-2.54	
		<i>For &gt;100 To 250, Deduct</i>	-5.09	
		<i>For &gt;250 To 500, Deduct</i>	-8.65	
		<i>For &gt;500, Deduct</i>	-12.22	
06 05 23 00-0168	EA	1/2" Diameter x 2" Length, 316 Stainless Steel, Carriage Bolt.....	55.10	
		<i>For &gt;10 To 50, Deduct</i>	-1.03	
		<i>For &gt;50 To 100, Deduct</i>	-2.92	
		<i>For &gt;100 To 250, Deduct</i>	-5.83	
		<i>For &gt;250 To 500, Deduct</i>	-9.77	
		<i>For &gt;500, Deduct</i>	-13.71	
06 05 23 00-0169	EA	1/2" Diameter x 4" Length, 316 Stainless Steel, Carriage Bolt.....	60.08	
		<i>For &gt;10 To 50, Deduct</i>	-1.09	
		<i>For &gt;50 To 100, Deduct</i>	-3.14	
		<i>For &gt;100 To 250, Deduct</i>	-6.28	
		<i>For &gt;250 To 500, Deduct</i>	-10.52	
		<i>For &gt;500, Deduct</i>	-14.76	
06 05 23 00-0170	EA	1/2" Diameter x 6" Length, 316 Stainless Steel, Carriage Bolt.....	64.77	
		<i>For &gt;10 To 50, Deduct</i>	-1.16	
		<i>For &gt;50 To 100, Deduct</i>	-3.36	
		<i>For &gt;100 To 250, Deduct</i>	-6.72	
		<i>For &gt;250 To 500, Deduct</i>	-11.25	
		<i>For &gt;500, Deduct</i>	-15.77	

**06 05 23 00-0171 Hex Lag Bolts** (06 05 23 00-0093)

Note: Includes drilling of holes in any material.

**06 05 23 00-0172 Zinc Plated Steel, Hex Lag Bolts** (06 05 23 00-0171)

06 05 23 00-0173	EA	1/4" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.36	
		<i>For &gt;10 To 50, Deduct</i>	-0.85	
		<i>For &gt;50 To 100, Deduct</i>	-1.72	
		<i>For &gt;100 To 250, Deduct</i>	-3.43	
		<i>For &gt;250 To 500, Deduct</i>	-6.00	
		<i>For &gt;500, Deduct</i>	-8.57	
06 05 23 00-0174	EA	1/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.53	
		<i>For &gt;10 To 50, Deduct</i>	-0.85	
		<i>For &gt;50 To 100, Deduct</i>	-1.72	
		<i>For &gt;100 To 250, Deduct</i>	-3.44	
		<i>For &gt;250 To 500, Deduct</i>	-6.01	
		<i>For &gt;500, Deduct</i>	-8.59	
06 05 23 00-0175	EA	1/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	17.87	
		<i>For &gt;10 To 50, Deduct</i>	-0.85	
		<i>For &gt;50 To 100, Deduct</i>	-1.73	
		<i>For &gt;100 To 250, Deduct</i>	-3.46	
		<i>For &gt;250 To 500, Deduct</i>	-6.04	
		<i>For &gt;500, Deduct</i>	-8.62	
06 05 23 00-0176	EA	3/8" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	19.13	
		<i>For &gt;10 To 50, Deduct</i>	-0.93	
		<i>For &gt;50 To 100, Deduct</i>	-1.87	
		<i>For &gt;100 To 250, Deduct</i>	-3.75	
		<i>For &gt;250 To 500, Deduct</i>	-6.56	
		<i>For &gt;500, Deduct</i>	-9.36	
06 05 23 00-0177	EA	3/8" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	20.79	
		<i>For &gt;10 To 50, Deduct</i>	-1.00	
		<i>For &gt;50 To 100, Deduct</i>	-2.02	
		<i>For &gt;100 To 250, Deduct</i>	-4.03	
		<i>For &gt;250 To 500, Deduct</i>	-7.05	
		<i>For &gt;500, Deduct</i>	-10.06	
06 05 23 00-0178	EA	3/8" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.17	
		<i>For &gt;10 To 50, Deduct</i>	-1.00	
		<i>For &gt;50 To 100, Deduct</i>	-2.03	
		<i>For &gt;100 To 250, Deduct</i>	-4.05	
		<i>For &gt;250 To 500, Deduct</i>	-7.07	
		<i>For &gt;500, Deduct</i>	-10.10	
06 05 23 00-0179	EA	3/8" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt.....	25.93	
		<i>For &gt;10 To 50, Deduct</i>	-1.20	
		<i>For &gt;50 To 100, Deduct</i>	-2.44	
		<i>For &gt;100 To 250, Deduct</i>	-4.89	
		<i>For &gt;250 To 500, Deduct</i>	-8.53	
		<i>For &gt;500, Deduct</i>	-12.17	
06 05 23 00-0180	EA	3/8" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt.....	27.48	
		<i>For &gt;10 To 50, Deduct</i>	-1.26	
		<i>For &gt;50 To 100, Deduct</i>	-2.58	
		<i>For &gt;100 To 250, Deduct</i>	-5.16	
		<i>For &gt;250 To 500, Deduct</i>	-9.01	
		<i>For &gt;500, Deduct</i>	-12.86	
06 05 23 00-0181	EA	1/2" Diameter x 2" Length, Zinc Plated Steel, Hex Lag Bolt.....	21.19	
		<i>For &gt;10 To 50, Deduct</i>	-1.01	
		<i>For &gt;50 To 100, Deduct</i>	-2.04	
		<i>For &gt;100 To 250, Deduct</i>	-4.07	
		<i>For &gt;250 To 500, Deduct</i>	-7.12	
		<i>For &gt;500, Deduct</i>	-10.16	
06 05 23 00-0182	EA	1/2" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt.....	23.07	
		<i>For &gt;10 To 50, Deduct</i>	-1.07	
		<i>For &gt;50 To 100, Deduct</i>	-2.18	
		<i>For &gt;100 To 250, Deduct</i>	-4.37	
		<i>For &gt;250 To 500, Deduct</i>	-7.63	
		<i>For &gt;500, Deduct</i>	-10.88	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 05 23 00-0183	EA	1/2" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt .....	25.12	
		For >10 To 50, Deduct	-1.14	
		For >50 To 100, Deduct	-2.34	
		For >100 To 250, Deduct	-4.67	
		For >250 To 500, Deduct	-8.15	
		For >500, Deduct	-11.62	
06 05 23 00-0184	EA	1/2" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt .....	28.60	
		For >10 To 50, Deduct	-1.27	
		For >50 To 100, Deduct	-2.62	
		For >100 To 250, Deduct	-5.25	
		For >250 To 500, Deduct	-9.15	
		For >500, Deduct	-13.04	
06 05 23 00-0185	EA	1/2" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt .....	33.71	
		For >10 To 50, Deduct	-1.47	
		For >50 To 100, Deduct	-3.05	
		For >100 To 250, Deduct	-6.11	
		For >250 To 500, Deduct	-10.64	
		For >500, Deduct	-15.16	
06 05 23 00-0186	EA	1/2" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt .....	36.77	
		For >10 To 50, Deduct	-1.61	
		For >50 To 100, Deduct	-3.33	
		For >100 To 250, Deduct	-6.66	
		For >250 To 500, Deduct	-11.60	
		For >500, Deduct	-16.54	
06 05 23 00-0187	EA	3/4" Diameter x 4" Length, Zinc Plated Steel, Hex Lag Bolt .....	30.89	
		For >10 To 50, Deduct	-1.27	
		For >50 To 100, Deduct	-2.68	
		For >100 To 250, Deduct	-5.36	
		For >250 To 500, Deduct	-9.32	
		For >500, Deduct	-13.27	
06 05 23 00-0188	EA	3/4" Diameter x 6" Length, Zinc Plated Steel, Hex Lag Bolt .....	36.88	
		For >10 To 50, Deduct	-1.47	
		For >50 To 100, Deduct	-3.13	
		For >100 To 250, Deduct	-6.27	
		For >250 To 500, Deduct	-10.87	
		For >500, Deduct	-15.48	
06 05 23 00-0189	EA	3/4" Diameter x 8" Length, Zinc Plated Steel, Hex Lag Bolt .....	40.82	
		For >10 To 50, Deduct	-1.54	
		For >50 To 100, Deduct	-3.33	
		For >100 To 250, Deduct	-6.66	
		For >250 To 500, Deduct	-11.53	
		For >500, Deduct	-16.41	
06 05 23 00-0190	EA	3/4" Diameter x 10" Length, Zinc Plated Steel, Hex Lag Bolt .....	45.89	
		For >10 To 50, Deduct	-1.68	
		For >50 To 100, Deduct	-3.66	
		For >100 To 250, Deduct	-7.32	
		For >250 To 500, Deduct	-12.65	
		For >500, Deduct	-17.99	
06 05 23 00-0191	EA	3/4" Diameter x 12" Length, Zinc Plated Steel, Hex Lag Bolt .....	51.43	
		For >10 To 50, Deduct	-1.74	
		For >50 To 100, Deduct	-3.90	
		For >100 To 250, Deduct	-7.80	
		For >250 To 500, Deduct	-13.44	
		For >500, Deduct	-19.08	

**06 05 23 00-0192 Hot Dipped Galvanized Steel, Hex Lag Bolts** (06 05 23 00-0171)

06 05 23 00-0193	EA	1/4" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt .....	17.44	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-1.72	
		For >100 To 250, Deduct	-3.44	
		For >250 To 500, Deduct	-6.01	
		For >500, Deduct	-8.58	
06 05 23 00-0194	EA	1/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt .....	17.70	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-1.72	
		For >100 To 250, Deduct	-3.45	
		For >250 To 500, Deduct	-6.03	
		For >500, Deduct	-8.61	
06 05 23 00-0195	EA	1/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt .....	17.97	
		For >10 To 50, Deduct	-0.85	
		For >50 To 100, Deduct	-1.73	
		For >100 To 250, Deduct	-3.46	
		For >250 To 500, Deduct	-6.05	
		For >500, Deduct	-8.63	
06 05 23 00-0196	EA	3/8" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt .....	19.28	
		For >10 To 50, Deduct	-0.93	
		For >50 To 100, Deduct	-1.88	
		For >100 To 250, Deduct	-3.76	
		For >250 To 500, Deduct	-6.57	
		For >500, Deduct	-9.38	
06 05 23 00-0197	EA	3/8" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt .....	21.02	
		For >10 To 50, Deduct	-1.00	
		For >50 To 100, Deduct	-2.02	
		For >100 To 250, Deduct	-4.04	
		For >250 To 500, Deduct	-7.06	
		For >500, Deduct	-10.08	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0198	EA	3/8" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.44	
		<i>For &gt;10 To 50, Deduct</i>	-1.00	
		<i>For &gt;50 To 100, Deduct</i>	-2.03	
		<i>For &gt;100 To 250, Deduct</i>	-4.06	
		<i>For &gt;250 To 500, Deduct</i>	-7.09	
		<i>For &gt;500, Deduct</i>	-10.12	
06 05 23 00-0199	EA	3/8" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	26.44	
		<i>For &gt;10 To 50, Deduct</i>	-1.20	
		<i>For &gt;50 To 100, Deduct</i>	-2.46	
		<i>For &gt;100 To 250, Deduct</i>	-4.91	
		<i>For &gt;250 To 500, Deduct</i>	-8.57	
		<i>For &gt;500, Deduct</i>	-12.22	
06 05 23 00-0200	EA	3/8" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	28.34	
		<i>For &gt;10 To 50, Deduct</i>	-1.26	
		<i>For &gt;50 To 100, Deduct</i>	-2.60	
		<i>For &gt;100 To 250, Deduct</i>	-5.21	
		<i>For &gt;250 To 500, Deduct</i>	-9.07	
		<i>For &gt;500, Deduct</i>	-12.94	
06 05 23 00-0201	EA	1/2" Diameter x 2" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	21.57	
		<i>For &gt;10 To 50, Deduct</i>	-1.01	
		<i>For &gt;50 To 100, Deduct</i>	-2.05	
		<i>For &gt;100 To 250, Deduct</i>	-4.09	
		<i>For &gt;250 To 500, Deduct</i>	-7.15	
		<i>For &gt;500, Deduct</i>	-10.20	
06 05 23 00-0202	EA	1/2" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	23.29	
		<i>For &gt;10 To 50, Deduct</i>	-1.07	
		<i>For &gt;50 To 100, Deduct</i>	-2.19	
		<i>For &gt;100 To 250, Deduct</i>	-4.38	
		<i>For &gt;250 To 500, Deduct</i>	-7.64	
		<i>For &gt;500, Deduct</i>	-10.91	
06 05 23 00-0203	EA	1/2" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	25.50	
		<i>For &gt;10 To 50, Deduct</i>	-1.14	
		<i>For &gt;50 To 100, Deduct</i>	-2.35	
		<i>For &gt;100 To 250, Deduct</i>	-4.69	
		<i>For &gt;250 To 500, Deduct</i>	-8.18	
		<i>For &gt;500, Deduct</i>	-11.66	
06 05 23 00-0204	EA	1/2" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	29.76	
		<i>For &gt;10 To 50, Deduct</i>	-1.27	
		<i>For &gt;50 To 100, Deduct</i>	-2.65	
		<i>For &gt;100 To 250, Deduct</i>	-5.31	
		<i>For &gt;250 To 500, Deduct</i>	-9.23	
		<i>For &gt;500, Deduct</i>	-13.16	
06 05 23 00-0205	EA	1/2" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	34.27	
		<i>For &gt;10 To 50, Deduct</i>	-1.47	
		<i>For &gt;50 To 100, Deduct</i>	-3.07	
		<i>For &gt;100 To 250, Deduct</i>	-6.14	
		<i>For &gt;250 To 500, Deduct</i>	-10.68	
		<i>For &gt;500, Deduct</i>	-15.22	
06 05 23 00-0206	EA	1/2" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	38.16	
		<i>For &gt;10 To 50, Deduct</i>	-1.61	
		<i>For &gt;50 To 100, Deduct</i>	-3.37	
		<i>For &gt;100 To 250, Deduct</i>	-6.73	
		<i>For &gt;250 To 500, Deduct</i>	-11.70	
		<i>For &gt;500, Deduct</i>	-16.68	
06 05 23 00-0207	EA	3/4" Diameter x 4" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	31.75	
		<i>For &gt;10 To 50, Deduct</i>	-1.27	
		<i>For &gt;50 To 100, Deduct</i>	-2.70	
		<i>For &gt;100 To 250, Deduct</i>	-5.41	
		<i>For &gt;250 To 500, Deduct</i>	-9.38	
		<i>For &gt;500, Deduct</i>	-13.36	
06 05 23 00-0208	EA	3/4" Diameter x 6" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	37.66	
		<i>For &gt;10 To 50, Deduct</i>	-1.47	
		<i>For &gt;50 To 100, Deduct</i>	-3.15	
		<i>For &gt;100 To 250, Deduct</i>	-6.31	
		<i>For &gt;250 To 500, Deduct</i>	-10.93	
		<i>For &gt;500, Deduct</i>	-15.56	
06 05 23 00-0209	EA	3/4" Diameter x 8" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	42.12	
		<i>For &gt;10 To 50, Deduct</i>	-1.54	
		<i>For &gt;50 To 100, Deduct</i>	-3.36	
		<i>For &gt;100 To 250, Deduct</i>	-6.73	
		<i>For &gt;250 To 500, Deduct</i>	-11.63	
		<i>For &gt;500, Deduct</i>	-16.54	
06 05 23 00-0210	EA	3/4" Diameter x 10" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	48.96	
		<i>For &gt;10 To 50, Deduct</i>	-1.68	
		<i>For &gt;50 To 100, Deduct</i>	-3.74	
		<i>For &gt;100 To 250, Deduct</i>	-7.47	
		<i>For &gt;250 To 500, Deduct</i>	-12.88	
		<i>For &gt;500, Deduct</i>	-18.30	
06 05 23 00-0211	EA	3/4" Diameter x 12" Length, Hot Dipped Galvanized Steel, Hex Lag Bolt.....	54.71	
		<i>For &gt;10 To 50, Deduct</i>	-1.74	
		<i>For &gt;50 To 100, Deduct</i>	-3.98	
		<i>For &gt;100 To 250, Deduct</i>	-7.96	
		<i>For &gt;250 To 500, Deduct</i>	-13.68	
		<i>For &gt;500, Deduct</i>	-19.41	

06 05 23 00-0212 304/18-8 Stainless Steel, Hex Lag Bolts (06 05 23 00-0171)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0213 EA 1/4" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	18.29	
For >10 To 50, Deduct	-0.85	
For >50 To 100, Deduct	-1.74	
For >100 To 250, Deduct	-3.48	
For >250 To 500, Deduct	-6.07	
For >500, Deduct	-8.67	
06 05 23 00-0214 EA 1/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	19.19	
For >10 To 50, Deduct	-0.85	
For >50 To 100, Deduct	-1.76	
For >100 To 250, Deduct	-3.52	
For >250 To 500, Deduct	-6.14	
For >500, Deduct	-8.76	
06 05 23 00-0215 EA 1/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	21.62	
For >10 To 50, Deduct	-0.85	
For >50 To 100, Deduct	-1.82	
For >100 To 250, Deduct	-3.64	
For >250 To 500, Deduct	-6.32	
For >500, Deduct	-9.00	
06 05 23 00-0216 EA 3/8" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	21.69	
For >10 To 50, Deduct	-0.93	
For >50 To 100, Deduct	-1.94	
For >100 To 250, Deduct	-3.88	
For >250 To 500, Deduct	-6.75	
For >500, Deduct	-9.62	
06 05 23 00-0217 EA 3/8" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	24.37	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.11	
For >100 To 250, Deduct	-4.21	
For >250 To 500, Deduct	-7.31	
For >500, Deduct	-10.42	
06 05 23 00-0218 EA 3/8" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	25.92	
For >10 To 50, Deduct	-1.00	
For >50 To 100, Deduct	-2.14	
For >100 To 250, Deduct	-4.29	
For >250 To 500, Deduct	-7.43	
For >500, Deduct	-10.57	
06 05 23 00-0219 EA 3/8" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	51.55	
For >10 To 50, Deduct	-1.20	
For >50 To 100, Deduct	-3.08	
For >100 To 250, Deduct	-6.17	
For >250 To 500, Deduct	-10.45	
For >500, Deduct	-14.73	
06 05 23 00-0220 EA 3/8" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	71.81	
For >10 To 50, Deduct	-1.26	
For >50 To 100, Deduct	-3.69	
For >100 To 250, Deduct	-7.38	
For >250 To 500, Deduct	-12.34	
For >500, Deduct	-17.29	
06 05 23 00-0221 EA 1/2" Diameter x 2" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	26.12	
For >10 To 50, Deduct	-1.01	
For >50 To 100, Deduct	-2.16	
For >100 To 250, Deduct	-4.32	
For >250 To 500, Deduct	-7.49	
For >500, Deduct	-10.65	
06 05 23 00-0222 EA 1/2" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	30.71	
For >10 To 50, Deduct	-1.07	
For >50 To 100, Deduct	-2.38	
For >100 To 250, Deduct	-4.75	
For >250 To 500, Deduct	-8.20	
For >500, Deduct	-11.65	
06 05 23 00-0223 EA 1/2" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	37.65	
For >10 To 50, Deduct	-1.14	
For >50 To 100, Deduct	-2.65	
For >100 To 250, Deduct	-5.30	
For >250 To 500, Deduct	-9.09	
For >500, Deduct	-12.88	
06 05 23 00-0224 EA 1/2" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	76.39	
For >10 To 50, Deduct	-1.27	
For >50 To 100, Deduct	-3.82	
For >100 To 250, Deduct	-7.64	
For >250 To 500, Deduct	-12.73	
For >500, Deduct	-17.82	
06 05 23 00-0225 EA 1/2" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	103.59	
For >10 To 50, Deduct	-1.47	
For >50 To 100, Deduct	-4.80	
For >100 To 250, Deduct	-9.60	
For >250 To 500, Deduct	-15.88	
For >500, Deduct	-22.15	
06 05 23 00-0226 EA 1/2" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	120.83	
For >10 To 50, Deduct	-1.61	
For >50 To 100, Deduct	-5.43	
For >100 To 250, Deduct	-10.86	
For >250 To 500, Deduct	-17.90	
For >500, Deduct	-24.94	
06 05 23 00-0227 EA 3/4" Diameter x 4" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	111.78	
For >10 To 50, Deduct	-1.27	
For >50 To 100, Deduct	-4.70	
For >100 To 250, Deduct	-9.41	
For >250 To 500, Deduct	-15.39	
For >500, Deduct	-21.36	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0228	EA	3/4" Diameter x 6" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	127.80
		<i>For &gt;10 To 50, Deduct</i>	-1.47
		<i>For &gt;50 To 100, Deduct</i>	-5.41
		<i>For &gt;100 To 250, Deduct</i>	-10.81
		<i>For &gt;250 To 500, Deduct</i>	-17.69
		<i>For &gt;500, Deduct</i>	-24.57
06 05 23 00-0229	EA	3/4" Diameter x 8" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	132.99
		<i>For &gt;10 To 50, Deduct</i>	-1.54
		<i>For &gt;50 To 100, Deduct</i>	-5.64
		<i>For &gt;100 To 250, Deduct</i>	-11.27
		<i>For &gt;250 To 500, Deduct</i>	-18.45
		<i>For &gt;500, Deduct</i>	-25.62
06 05 23 00-0230	EA	3/4" Diameter x 10" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	183.59
		<i>For &gt;10 To 50, Deduct</i>	-1.68
		<i>For &gt;50 To 100, Deduct</i>	-7.10
		<i>For &gt;100 To 250, Deduct</i>	-14.20
		<i>For &gt;250 To 500, Deduct</i>	-22.98
		<i>For &gt;500, Deduct</i>	-31.76
06 05 23 00-0231	EA	3/4" Diameter x 12" Length, 304/18-8 Stainless Steel, Hex Lag Bolt.....	200.21
		<i>For &gt;10 To 50, Deduct</i>	-1.74
		<i>For &gt;50 To 100, Deduct</i>	-7.62
		<i>For &gt;100 To 250, Deduct</i>	-15.24
		<i>For &gt;250 To 500, Deduct</i>	-24.60
		<i>For &gt;500, Deduct</i>	-33.96

**06 05 23 00-0232 Stainless Steel Screws** (06 05 23 00-0093)

06 05 23 00-0233	EA	#8 x 1-1/2" Stainless Steel Screw.....	2.64
06 05 23 00-0234	EA	#9 x 1-1/2" Stainless Steel Screw.....	2.70
06 05 23 00-0235	EA	#10 x 1-1/2" Stainless Steel Screw.....	2.76
06 05 23 00-0236	EA	#12 x 1-1/2" Stainless Steel Screw.....	2.95

**06 05 23 00-0237 Galvanized Steel Screws** (06 05 23 00-0093)

06 05 23 00-0238	EA	#8 x 1-1/2" Galvanized Steel Screw.....	2.47
06 05 23 00-0239	EA	#9 x 1-1/2" Galvanized Steel Screw.....	2.53
06 05 23 00-0240	EA	#10 x 1-1/2" Galvanized Steel Screw.....	2.58
06 05 23 00-0241	EA	#12 x 1-1/2" Galvanized Steel Screw.....	2.74
06 05 23 00-0242	EA	#8 x 2-1/2" Galvanized Steel Screw.....	2.51
06 05 23 00-0243	EA	#9 x 2-1/2" Galvanized Steel Screw.....	2.56
06 05 23 00-0244	EA	#10 x 2-1/2" Galvanized Steel Screw.....	2.62
06 05 23 00-0245	EA	#12 x 2-1/2" Galvanized Steel Screw.....	2.82

**06 05 23 00-0246 Timber Bolts** (06 05 23 00-0093)

Note: Includes drilling of holes in any material.

06 05 23 00-0247	EA	5/8" - 11 x 4" Threaded x 8" OAL A153 Galvanized Timber Bolt (Fastenal #11103914).....	44.51
		<i>For &gt;10 To 50, Deduct</i>	-1.42
		<i>For &gt;50 To 100, Deduct</i>	-3.24
		<i>For &gt;100 To 250, Deduct</i>	-6.47
		<i>For &gt;250 To 500, Deduct</i>	-11.12
		<i>For &gt;500, Deduct</i>	-15.77
06 05 23 00-0248	EA	5/8" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103915).....	50.31
		<i>For &gt;10 To 50, Deduct</i>	-1.58
		<i>For &gt;50 To 100, Deduct</i>	-3.63
		<i>For &gt;100 To 250, Deduct</i>	-7.27
		<i>For &gt;250 To 500, Deduct</i>	-12.48
		<i>For &gt;500, Deduct</i>	-17.70
06 05 23 00-0249	EA	5/8" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103916).....	54.39
		<i>For &gt;10 To 50, Deduct</i>	-1.69
		<i>For &gt;50 To 100, Deduct</i>	-3.89
		<i>For &gt;100 To 250, Deduct</i>	-7.78
		<i>For &gt;250 To 500, Deduct</i>	-13.36
		<i>For &gt;500, Deduct</i>	-18.93
06 05 23 00-0250	EA	5/8" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103917).....	60.79
		<i>For &gt;10 To 50, Deduct</i>	-1.78
		<i>For &gt;50 To 100, Deduct</i>	-4.19
		<i>For &gt;100 To 250, Deduct</i>	-8.39
		<i>For &gt;250 To 500, Deduct</i>	-14.37
		<i>For &gt;500, Deduct</i>	-20.34
06 05 23 00-0251	EA	5/8" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103918).....	64.73
		<i>For &gt;10 To 50, Deduct</i>	-1.88
		<i>For &gt;50 To 100, Deduct</i>	-4.44
		<i>For &gt;100 To 250, Deduct</i>	-8.87
		<i>For &gt;250 To 500, Deduct</i>	-15.19
		<i>For &gt;500, Deduct</i>	-21.51
06 05 23 00-0252	EA	5/8" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103919).....	67.20
		<i>For &gt;10 To 50, Deduct</i>	-1.96
		<i>For &gt;50 To 100, Deduct</i>	-4.62
		<i>For &gt;100 To 250, Deduct</i>	-9.25
		<i>For &gt;250 To 500, Deduct</i>	-15.83
		<i>For &gt;500, Deduct</i>	-22.42
06 05 23 00-0253	EA	3/4" - 11 x 4" Threaded x 10" OAL A153 Galvanized Timber Bolt (Fastenal #11103920).....	60.41
		<i>For &gt;10 To 50, Deduct</i>	-1.69
		<i>For &gt;50 To 100, Deduct</i>	-4.04
		<i>For &gt;100 To 250, Deduct</i>	-8.08
		<i>For &gt;250 To 500, Deduct</i>	-13.81
		<i>For &gt;500, Deduct</i>	-19.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0254	EA		3/4" - 11 x 6" Threaded x 12" OAL A153 Galvanized Timber Bolt (Fastenal #11103921) .....	63.22	
			For >10 To 50, Deduct	-1.76	
			For >50 To 100, Deduct	-4.21	
			For >100 To 250, Deduct	-8.43	
			For >250 To 500, Deduct	-14.40	
			For >500, Deduct	-20.37	
06 05 23 00-0255	EA		3/4" - 11 x 6" Threaded x 14" OAL A153 Galvanized Timber Bolt (Fastenal #11103922) .....	70.17	
			For >10 To 50, Deduct	-1.86	
			For >50 To 100, Deduct	-4.54	
			For >100 To 250, Deduct	-9.08	
			For >250 To 500, Deduct	-15.48	
			For >500, Deduct	-21.89	
06 05 23 00-0256	EA		3/4" - 11 x 6" Threaded x 16" OAL A153 Galvanized Timber Bolt (Fastenal #11103923) .....	75.42	
			For >10 To 50, Deduct	-1.96	
			For >50 To 100, Deduct	-4.82	
			For >100 To 250, Deduct	-9.64	
			For >250 To 500, Deduct	-16.41	
			For >500, Deduct	-23.18	
06 05 23 00-0257	EA		3/4" - 11 x 6" Threaded x 18" OAL A153 Galvanized Timber Bolt (Fastenal #11103924) .....	81.14	
			For >10 To 50, Deduct	-2.05	
			For >50 To 100, Deduct	-5.11	
			For >100 To 250, Deduct	-10.21	
			For >250 To 500, Deduct	-17.37	
			For >500, Deduct	-24.53	
06 05 23 00-0258			<b>Supports</b> (06 05 23)		
06 05 23 00-0259			<b>Shear Plates</b> (06 05 23 00-0258)		
06 05 23 00-0260	EA		2-5/8" Diameter, Shear Plate .....	18.50	5.06
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.32	
			For >100 To 250, Deduct	-2.63	
			For >250 To 500, Deduct	-4.52	
			For >500, Deduct	-6.41	
06 05 23 00-0261	EA		4" Diameter, Shear Plate .....	17.84	5.33
			For >10 To 50, Deduct	-0.59	
			For >50 To 100, Deduct	-1.34	
			For >100 To 250, Deduct	-2.67	
			For >250 To 500, Deduct	-4.61	
			For >500, Deduct	-6.54	
06 05 23 00-0262			<b>Sill Anchors</b> (06 05 23 00-0258)		
06 05 23 00-0263	EA		Sill Anchor Embedded In Concrete .....	15.91	5.33
			For >10 To 50, Deduct	-0.59	
			For >50 To 100, Deduct	-1.29	
			For >100 To 250, Deduct	-2.58	
			For >250 To 500, Deduct	-4.46	
			For >500, Deduct	-6.34	
06 05 23 00-0264			<b>Spike Grids</b> (06 05 23 00-0258)		
06 05 23 00-0265	EA		3" x 6" Flat Or Curved Spike Grid .....	14.22	5.06
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.21	
			For >100 To 250, Deduct	-2.42	
			For >250 To 500, Deduct	-4.20	
			For >500, Deduct	-5.98	
06 05 23 00-0266			<b>Split Rings</b> (06 05 23 00-0258)		
06 05 23 00-0267	EA		2-1/2" Diameter Split Ring .....	18.74	5.06
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.32	
			For >100 To 250, Deduct	-2.65	
			For >250 To 500, Deduct	-4.54	
			For >500, Deduct	-6.43	
06 05 23 00-0268	EA		4" Diameter Split Ring .....	20.17	5.60
			For >10 To 50, Deduct	-0.62	
			For >50 To 100, Deduct	-1.44	
			For >100 To 250, Deduct	-2.87	
			For >250 To 500, Deduct	-4.93	
			For >500, Deduct	-6.99	
06 05 23 00-0269			<b>Toothed Rings</b> (06 05 23 00-0258)		
06 05 23 00-0270	EA		2-5/8" Or 4" Toothed Ring .....	15.07	5.06
			For >10 To 50, Deduct	-0.57	
			For >50 To 100, Deduct	-1.23	
			For >100 To 250, Deduct	-2.46	
			For >250 To 500, Deduct	-4.26	
			For >500, Deduct	-6.06	
06 05 23 00-0271			<b>Straps And Shields</b> (06 05 23)		
06 05 23 00-0272			<b>Shield Plate</b> (06 05 23 00-0271)		

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0273	EA	5" Wide x 8" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN58Z) .....	9.31
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.32
		<i>For &gt;100 To 250, Deduct</i>	-0.64
		<i>For &gt;250 To 500, Deduct</i>	-1.13
		<i>For &gt;500, Deduct</i>	-1.72
06 05 23 00-0274	EA	5" Wide x 16" Long, 16 Gauge, Galvanized Shield Plate (Simpson Strong Tie® PSPN516Z) .....	14.60
		<i>For &gt;10 To 50, Deduct</i>	-0.10
		<i>For &gt;50 To 100, Deduct</i>	-0.47
		<i>For &gt;100 To 250, Deduct</i>	-0.94
		<i>For &gt;250 To 500, Deduct</i>	-1.61
		<i>For &gt;500, Deduct</i>	-2.40

**06 05 23 00-0275 Strap Ties** (06 05 23 00-0271)

06 05 23 00-0276	EA	1-1/4" Wide x 9" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA9) .....	3.81
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.16
		<i>For &gt;100 To 250, Deduct</i>	-0.33
		<i>For &gt;250 To 500, Deduct</i>	-0.63
		<i>For &gt;500, Deduct</i>	-1.01
06 05 23 00-0277	EA	1-1/4" Wide x 12" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA12) .....	3.90
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.17
		<i>For &gt;100 To 250, Deduct</i>	-0.33
		<i>For &gt;250 To 500, Deduct</i>	-0.63
		<i>For &gt;500, Deduct</i>	-1.02
06 05 23 00-0278	EA	1-1/4" Wide x 15" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA15) .....	4.97
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.21
		<i>For &gt;100 To 250, Deduct</i>	-0.42
		<i>For &gt;250 To 500, Deduct</i>	-0.80
		<i>For &gt;500, Deduct</i>	-1.28
06 05 23 00-0279	EA	1-1/4" Wide x 18" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA18) .....	5.14
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.21
		<i>For &gt;100 To 250, Deduct</i>	-0.43
		<i>For &gt;250 To 500, Deduct</i>	-0.81
		<i>For &gt;500, Deduct</i>	-1.30
06 05 23 00-0280	EA	1-1/4" Wide x 21" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA21) .....	5.32
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.22
		<i>For &gt;100 To 250, Deduct</i>	-0.44
		<i>For &gt;250 To 500, Deduct</i>	-0.83
		<i>For &gt;500, Deduct</i>	-1.32
06 05 23 00-0281	EA	1-1/4" Wide x 24" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA24) .....	6.14
		<i>For &gt;10 To 50, Deduct</i>	-0.10
		<i>For &gt;50 To 100, Deduct</i>	-0.26
		<i>For &gt;100 To 250, Deduct</i>	-0.51
		<i>For &gt;250 To 500, Deduct</i>	-0.97
		<i>For &gt;500, Deduct</i>	-1.56
06 05 23 00-0282	EA	1-1/4" Wide x 30" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA30) .....	7.77
		<i>For &gt;10 To 50, Deduct</i>	-0.10
		<i>For &gt;50 To 100, Deduct</i>	-0.30
		<i>For &gt;100 To 250, Deduct</i>	-0.59
		<i>For &gt;250 To 500, Deduct</i>	-1.10
		<i>For &gt;500, Deduct</i>	-1.72
06 05 23 00-0283	EA	1-1/4" Wide x 36" Long, 20 Gauge, Galvanized Strap Tie (Simpson Strong Tie® LSTA36) .....	9.02
		<i>For &gt;10 To 50, Deduct</i>	-0.12
		<i>For &gt;50 To 100, Deduct</i>	-0.35
		<i>For &gt;100 To 250, Deduct</i>	-0.69
		<i>For &gt;250 To 500, Deduct</i>	-1.28
		<i>For &gt;500, Deduct</i>	-2.00
06 05 23 00-0284	EA	1-1/4" Wide x 9" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA9) .....	4.18
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.17
		<i>For &gt;100 To 250, Deduct</i>	-0.35
		<i>For &gt;250 To 500, Deduct</i>	-0.65
		<i>For &gt;500, Deduct</i>	-1.05
06 05 23 00-0285	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA12) .....	4.31
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.18
		<i>For &gt;100 To 250, Deduct</i>	-0.35
		<i>For &gt;250 To 500, Deduct</i>	-0.66
		<i>For &gt;500, Deduct</i>	-1.06
06 05 23 00-0286	EA	1-1/4" Wide x 15" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA15) .....	5.48
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.22
		<i>For &gt;100 To 250, Deduct</i>	-0.45
		<i>For &gt;250 To 500, Deduct</i>	-0.84
		<i>For &gt;500, Deduct</i>	-1.33
06 05 23 00-0287	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MSTA18) .....	5.70
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.23
		<i>For &gt;100 To 250, Deduct</i>	-0.46
		<i>For &gt;250 To 500, Deduct</i>	-0.86
		<i>For &gt;500, Deduct</i>	-1.36



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0288 EA 1-1/4" Wide x 21" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST21).....	5.80	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.46	
For >250 To 500, Deduct	-0.86	
For >500, Deduct	-1.37	
06 05 23 00-0289 EA 1-1/4" Wide x 24" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST24).....	6.65	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.54	
For >250 To 500, Deduct	-1.01	
For >500, Deduct	-1.61	
06 05 23 00-0290 EA 1-1/4" Wide x 30" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST30).....	8.11	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.12	
For >500, Deduct	-1.75	
06 05 23 00-0291 EA 1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST36).....	9.03	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.28	
For >500, Deduct	-2.00	
06 05 23 00-0292 EA 1-1/4" Wide x 36" Long, 18 Gauge, Galvanized Strap Tie (Simpson Strong Tie® MST49).....	13.91	
For >10 To 50, Deduct	-0.14	
For >50 To 100, Deduct	-0.48	
For >100 To 250, Deduct	-0.97	
For >250 To 500, Deduct	-1.73	
For >500, Deduct	-2.65	
06 05 23 00-0293 EA 1-1/4" Wide x 9" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST9).....	4.86	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.11	
06 05 23 00-0294 EA 1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST12).....	4.87	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.19	
For >100 To 250, Deduct	-0.38	
For >250 To 500, Deduct	-0.71	
For >500, Deduct	-1.11	
06 05 23 00-0295 EA 1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST18).....	5.94	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.23	
For >100 To 250, Deduct	-0.47	
For >250 To 500, Deduct	-0.87	
For >500, Deduct	-1.38	
06 05 23 00-0296 EA 1-1/4" Wide x 22" Long, 16 Gauge, Galvanized Strap Tie (Simpson Strong Tie® ST22).....	8.11	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.31	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.12	
For >500, Deduct	-1.75	
06 05 23 00-0297 EA 1-3/8" Wide x 6" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS6).....	6.81	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.24	
For >100 To 250, Deduct	-0.48	
For >250 To 500, Deduct	-0.85	
For >500, Deduct	-1.31	
06 05 23 00-0298 EA 1-3/8" Wide x 8" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS8).....	7.46	
For >10 To 50, Deduct	-0.07	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.51	
For >250 To 500, Deduct	-0.90	
For >500, Deduct	-1.37	
06 05 23 00-0299 EA 1-3/8" Wide x 12" Long, 12 Gauge, Galvanized Strap Tie (Simpson Strong Tie® HRS12).....	9.76	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.16	
For >500, Deduct	-1.76	
06 05 23 00-0300 EA 2-1/16" Wide x 27" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST27).....	14.36	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.46	
For >100 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.59	
For >500, Deduct	-2.38	
06 05 23 00-0301 EA 2-1/16" Wide x 37" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST37).....	17.85	
For >10 To 50, Deduct	-0.12	
For >50 To 100, Deduct	-0.57	
For >100 To 250, Deduct	-1.13	
For >250 To 500, Deduct	-1.94	
For >500, Deduct	-2.89	
06 05 23 00-0302 EA 2-1/16" Wide x 48" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST48).....	26.14	
For >10 To 50, Deduct	-0.14	
For >50 To 100, Deduct	-0.79	
For >100 To 250, Deduct	-1.58	
For >250 To 500, Deduct	-2.64	
For >500, Deduct	-3.87	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0303	EA	2-1/16" Wide x 60" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST60).....	44.99
		<i>For &gt;10 To 50, Deduct</i>	-0.15
		<i>For &gt;50 To 100, Deduct</i>	-1.28
		<i>For &gt;100 To 250, Deduct</i>	-2.56
		<i>For &gt;250 To 500, Deduct</i>	-4.14
		<i>For &gt;500, Deduct</i>	-5.91
06 05 23 00-0304	EA	2-1/16" Wide x 72" Long, 12 Gauge, Galvanized Medium Strap Tie (Simpson Strong Tie® MST72).....	57.81
		<i>For &gt;10 To 50, Deduct</i>	-0.17
		<i>For &gt;50 To 100, Deduct</i>	-1.62
		<i>For &gt;100 To 250, Deduct</i>	-3.23
		<i>For &gt;250 To 500, Deduct</i>	-5.19
		<i>For &gt;500, Deduct</i>	-7.35
06 05 23 00-0305	EA	3" Wide x 28-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC28).....	17.00
		<i>For &gt;10 To 50, Deduct</i>	-0.10
		<i>For &gt;50 To 100, Deduct</i>	-0.53
		<i>For &gt;100 To 250, Deduct</i>	-1.06
		<i>For &gt;250 To 500, Deduct</i>	-1.79
		<i>For &gt;500, Deduct</i>	-2.64
06 05 23 00-0306	EA	3" Wide x 40-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC40).....	21.87
		<i>For &gt;10 To 50, Deduct</i>	-0.12
		<i>For &gt;50 To 100, Deduct</i>	-0.67
		<i>For &gt;100 To 250, Deduct</i>	-1.33
		<i>For &gt;250 To 500, Deduct</i>	-2.24
		<i>For &gt;500, Deduct</i>	-3.29
06 05 23 00-0307	EA	3" Wide x 52-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC52).....	25.51
		<i>For &gt;10 To 50, Deduct</i>	-0.14
		<i>For &gt;50 To 100, Deduct</i>	-0.77
		<i>For &gt;100 To 250, Deduct</i>	-1.55
		<i>For &gt;250 To 500, Deduct</i>	-2.60
		<i>For &gt;500, Deduct</i>	-3.81
06 05 23 00-0308	EA	3" Wide x 66-1/4" Long, 16 Gauge, Galvanized Strap Ties (Simpson Strong Tie® MSTC66).....	38.50
		<i>For &gt;10 To 50, Deduct</i>	-0.15
		<i>For &gt;50 To 100, Deduct</i>	-1.12
		<i>For &gt;100 To 250, Deduct</i>	-2.23
		<i>For &gt;250 To 500, Deduct</i>	-3.66
		<i>For &gt;500, Deduct</i>	-5.26

**06 05 23 00-0309 Twist Strap Ties** (06 05 23 00-0271)

06 05 23 00-0310	EA	1-1/4" Wide x 12" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS12).....	4.39
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.18
		<i>For &gt;100 To 250, Deduct</i>	-0.36
		<i>For &gt;250 To 500, Deduct</i>	-0.67
		<i>For &gt;500, Deduct</i>	-1.07
06 05 23 00-0311	EA	1-1/4" Wide x 16" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS16).....	5.45
		<i>For &gt;10 To 50, Deduct</i>	-0.08
		<i>For &gt;50 To 100, Deduct</i>	-0.21
		<i>For &gt;100 To 250, Deduct</i>	-0.43
		<i>For &gt;250 To 500, Deduct</i>	-0.79
		<i>For &gt;500, Deduct</i>	-1.25
06 05 23 00-0312	EA	1-1/4" Wide x 18" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS18).....	6.28
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.24
		<i>For &gt;100 To 250, Deduct</i>	-0.49
		<i>For &gt;250 To 500, Deduct</i>	-0.90
		<i>For &gt;500, Deduct</i>	-1.41
06 05 23 00-0313	EA	1-1/4" Wide x 20" Long, 18 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® LTS20).....	6.80
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.26
		<i>For &gt;100 To 250, Deduct</i>	-0.53
		<i>For &gt;250 To 500, Deduct</i>	-0.98
		<i>For &gt;500, Deduct</i>	-1.54
06 05 23 00-0314	EA	1-1/4" Wide x 12" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS12).....	4.34
		<i>For &gt;10 To 50, Deduct</i>	-0.07
		<i>For &gt;50 To 100, Deduct</i>	-0.18
		<i>For &gt;100 To 250, Deduct</i>	-0.35
		<i>For &gt;250 To 500, Deduct</i>	-0.67
		<i>For &gt;500, Deduct</i>	-1.06
06 05 23 00-0315	EA	1-1/4" Wide x 16" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS16).....	5.54
		<i>For &gt;10 To 50, Deduct</i>	-0.08
		<i>For &gt;50 To 100, Deduct</i>	-0.22
		<i>For &gt;100 To 250, Deduct</i>	-0.43
		<i>For &gt;250 To 500, Deduct</i>	-0.80
		<i>For &gt;500, Deduct</i>	-1.26
06 05 23 00-0316	EA	1-1/4" Wide x 18" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS18).....	6.41
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.25
		<i>For &gt;100 To 250, Deduct</i>	-0.49
		<i>For &gt;250 To 500, Deduct</i>	-0.91
		<i>For &gt;500, Deduct</i>	-1.43
06 05 23 00-0317	EA	1-1/4" Wide x 20" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS20).....	6.85
		<i>For &gt;10 To 50, Deduct</i>	-0.09
		<i>For &gt;50 To 100, Deduct</i>	-0.27
		<i>For &gt;100 To 250, Deduct</i>	-0.53
		<i>For &gt;250 To 500, Deduct</i>	-0.98
		<i>For &gt;500, Deduct</i>	-1.55

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 05 23 00-0318 EA 1-1/4" Wide x 24" Long, 16 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® MTS24).....	9.21	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.67	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.86	
06 05 23 00-0319 EA 1-1/4" Wide x 16" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS16) .....	7.02	
For >10 To 50, Deduct	-0.08	
For >50 To 100, Deduct	-0.25	
For >100 To 250, Deduct	-0.50	
For >250 To 500, Deduct	-0.91	
For >500, Deduct	-1.41	
06 05 23 00-0320 EA 1-1/4" Wide x 20" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS20) .....	8.43	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.30	
For >100 To 250, Deduct	-0.61	
For >250 To 500, Deduct	-1.10	
For >500, Deduct	-1.71	
06 05 23 00-0321 EA 1-1/4" Wide x 24" Long, 14 Gauge, Galvanized Twist Strap Tie (Simpson Strong Tie® HTS24) .....	9.75	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.24	
For >500, Deduct	-1.92	
<b>06 05 23 00-0322 Retrofit Plate Strap (06 05 23 00-0271)</b> .....	<b>7.09</b>	
06 05 23 00-0323 EA 1-3/8" Wide x 18-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS18) .....	7.09	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.26	
For >100 To 250, Deduct	-0.53	
For >250 To 500, Deduct	-0.96	
For >500, Deduct	-1.50	
06 05 23 00-0324 EA 1-3/8" Wide x 22-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS22) .....	8.04	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.29	
For >100 To 250, Deduct	-0.57	
For >250 To 500, Deduct	-1.03	
For >500, Deduct	-1.59	
06 05 23 00-0325 EA 1-3/8" Wide x 28-5/16" Long, 16 Gauge, Galvanized Retrofit Plate Strap (Simpson Strong Tie® RPS28) .....	9.53	
For >10 To 50, Deduct	-0.09	
For >50 To 100, Deduct	-0.32	
For >100 To 250, Deduct	-0.65	
For >250 To 500, Deduct	-1.14	
For >500, Deduct	-1.74	
<b>06 05 23 00-0326 Stud Shoe (06 05 23 00-0271)</b> .....		
06 05 23 00-0327 EA 6" High With 3-1/4" Wide Tabs For 2X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS1.5).....	11.85	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.40	
For >100 To 250, Deduct	-0.80	
For >250 To 500, Deduct	-1.40	
For >500, Deduct	-2.13	
06 05 23 00-0328 EA 6" High With 3-1/4" Wide Tabs For 3X Stud, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS2.5).....	22.87	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.67	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.23	
For >500, Deduct	-3.23	
06 05 23 00-0329 EA 6" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS3) .....	22.97	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.68	
For >100 To 250, Deduct	-1.35	
For >250 To 500, Deduct	-2.24	
For >500, Deduct	-3.24	
06 05 23 00-0330 EA 6" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® SS4.5).....	30.63	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.87	
For >100 To 250, Deduct	-1.74	
For >250 To 500, Deduct	-2.81	
For >500, Deduct	-4.01	
06 05 23 00-0331 EA 7-1/8" High With 3-1/4" Wide Tabs For 2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-SDS1.5).....	28.80	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.82	
For >100 To 250, Deduct	-1.65	
For >250 To 500, Deduct	-2.67	
For >500, Deduct	-3.82	
06 05 23 00-0332 EA 7-1/8" High With 3-1/4" Wide Tabs For 2-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie HSS2-2-SDS3).....	31.17	
For >10 To 50, Deduct	-0.10	
For >50 To 100, Deduct	-0.88	
For >100 To 250, Deduct	-1.76	
For >250 To 500, Deduct	-2.85	
For >500, Deduct	-4.06	

**06 Wood, Plastics, and Composites****06 05 Common Work Results for Wood, Plastics, and Composites****06 05 23 Wood, Plastic, and Composite Fastenings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 05 23 00-0333	EA	7-1/8" High With 3-1/4" Wide Tabs For 3-2X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS2-3-SDS3) .....	32.97	
		<i>For &gt;10 To 50, Deduct</i> .....	-0.10	
		<i>For &gt;50 To 100, Deduct</i> .....	-0.93	
		<i>For &gt;100 To 250, Deduct</i> .....	-1.85	
		<i>For &gt;250 To 500, Deduct</i> .....	-2.99	
		<i>For &gt;500, Deduct</i> .....	-4.24	
06 05 23 00-0334	EA	7-1/8" High With 3-1/4" Wide Tabs For 4X Studs, 16 Gauge, Galvanized Stud Shoe (Simpson Strong Tie® HSS4-SDS3) .....	49.58	
		<i>For &gt;10 To 50, Deduct</i> .....	-0.10	
		<i>For &gt;50 To 100, Deduct</i> .....	-1.34	
		<i>For &gt;100 To 250, Deduct</i> .....	-2.68	
		<i>For &gt;250 To 500, Deduct</i> .....	-4.23	
		<i>For &gt;500, Deduct</i> .....	-5.90	
<b>06 05 23 00-0335 Nail Stops</b> <small>(06 05 23 00-0271)</small>				
06 05 23 00-0336	EA	1-1/2" Wide x 3" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS1) .....	3.53	
		<i>For &gt;10 To 50, Deduct</i> .....	-0.07	
		<i>For &gt;50 To 100, Deduct</i> .....	-0.16	
		<i>For &gt;100 To 250, Deduct</i> .....	-0.31	
		<i>For &gt;250 To 500, Deduct</i> .....	-0.61	
		<i>For &gt;500, Deduct</i> .....	-0.98	
06 05 23 00-0337	EA	1-1/2" Wide x 6" Long, 16 Gauge, Galvanized Nail Stops (Simpson Strong Tie® NS2) .....	3.69	
		<i>For &gt;10 To 50, Deduct</i> .....	-0.07	
		<i>For &gt;50 To 100, Deduct</i> .....	-0.16	
		<i>For &gt;100 To 250, Deduct</i> .....	-0.32	
		<i>For &gt;250 To 500, Deduct</i> .....	-0.62	
		<i>For &gt;500, Deduct</i> .....	-1.00	

**06 05 73 Wood Treatment** (06 05)**06 05 73 13 Fire-Retardant Wood Treatment** (06 05 73)06 05 73 13-0001 Preservative Treated Lumber (06 05 73 13)06 05 73 13-0002 Fire Retardant Treatment (FRT) For Lumber (06 05 73 13-0001)

06 05 73 13-0003 MBF Fire Retardant Treatment (FRT) For Lumber.....787.59

**06 05 73 33 Preservative Wood Treatment** (06 05 73)06 05 73 33-0001 Preservative Treatment For Marine And Fresh Water Uses (06 05 73 33)

06 05 73 33-0002 MBF Preservative Treatment For Marine And Fresh Water Lumber .....122.30

**06 10 Rough Carpentry** (06)**06 11 Wood Framing** (06 10)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal. See CSI section 06 05 23 00-0000 for anchors and supports.

**06 11 13 Engineered Wood Products** (06 11)

Note: All framing lumber is grade #2 or better unless otherwise listed. Dimensions are nominal.

**06 11 13 00-0001 Built-Up Members** (06 11 13)

Note: A structural framing member made from fastening separate pieces of lumber together.

**06 11 13 00-0002 Built-Up Beams Or Joists** (06 11 13 00-0001)

06 11 13 00-0003	LF	Two 2" x 6" Built-up Wood Beam Or Joist.....	5.08	2.34
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i> .....	0.75	
06 11 13 00-0004	LF	Two 2" x 8" Built-up Wood Beam Or Joist.....	6.25	2.75
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i> .....	1.07	
06 11 13 00-0005	LF	Two 2" x 10" Built-up Wood Beam Or Joist.....	7.91	3.30
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i> .....	1.48	

**06 11 13 00-0006 Built-Up Posts** (06 11 13 00-0001)

06 11 13 00-0007	LF	Two 2" x 6" Built-up Wood Post.....	5.08	2.34
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i> .....	0.75	
06 11 13 00-0008	LF	Two 2" x 8" Built-up Wood Post.....	6.25	2.75
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i> .....	1.07	
06 11 13 00-0009	LF	Two 2" x 10" Built-up Wood Post.....	7.91	3.30
		<i>For Each Additional 2" x_" In The Built Up Member, Add</i> .....	1.48	

**06 11 16 Mechanically Graded Lumber** (06 11)06 11 16 00-0001 Rafters And Joists (06 11 16)**06 11 16 00-0002 Rafters** (06 11 16 00-0001)

Note: An inclined roof framing member to which a roof covering is attached.

06 11 16 00-0003	LF	2" x 6" Wood Rafter .....	2.94	1.65
		<i>For Selectively Replaced Wood, Add</i> .....	3.29	
06 11 16 00-0004	LF	2" x 8" Wood Rafter .....	3.40	1.79
		<i>For Selectively Replaced Wood, Add</i> .....	3.51	
06 11 16 00-0005	LF	2" x 10" Wood Rafter .....	4.91	2.61
		<i>For Selectively Replaced Wood, Add</i> .....	5.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0006	LF		2" x 12" Wood Rafter ..... <i>For Selectively Replaced Wood, Add</i>	5.64 5.78	2.89
06 11 16 00-0007	LF		2" x 14" Wood Rafter ..... <i>For Selectively Replaced Wood, Add</i>	6.11 6.18	3.16
06 11 16 00-0008	LF		2" x 6" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	3.26 3.29	1.65
06 11 16 00-0009	LF		2" x 8" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	3.84 3.51	1.79
06 11 16 00-0010	LF		2" x 10" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	5.29 5.15	2.61
06 11 16 00-0011	LF		2" x 12" Pressure Treated Wood Rafter..... <i>For Selectively Replaced Wood, Add</i>	6.27 5.78	2.89
<b>06 11 16 00-0012 Joists (06 11 16 00-0001)</b>					
Note: A series of parallel beams to support floors or ceilings.					
06 11 16 00-0013	LF		2" x 6" Wood Floor Joist ..... <i>For Selectively Replaced Wood, Add</i>	2.54 2.69	1.37
06 11 16 00-0014	LF		2" x 8" Wood Floor Joist ..... <i>For Selectively Replaced Wood, Add</i>	3.12 3.09	1.51
06 11 16 00-0015	LF		2" x 10" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	3.96 3.72	1.92
06 11 16 00-0016	LF		2" x 12" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	4.68 4.34	2.19
06 11 16 00-0017	LF		2" x 14" Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	5.15 4.74	2.34
06 11 16 00-0018	LF		2" x 6" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	2.86 2.69	1.37
06 11 16 00-0019	LF		2" x 8" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	3.56 3.09	1.51
06 11 16 00-0020	LF		2" x 10" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	4.34 3.72	1.92
06 11 16 00-0021	LF		2" x 12" Pressure Treated Wood Floor Joist..... <i>For Selectively Replaced Wood, Add</i>	5.31 4.34	2.19
<b>06 11 16 00-0022 Purlins (06 11 16 00-0001)</b>					
Note: A horizontal structural member in a roof, supporting the loads from the roof deck or sheathing.					
06 11 16 00-0023	LF		2" x 4" Wood Purlin.....	2.10	0.82
06 11 16 00-0024	LF		2" x 6" Wood Purlin.....	2.57	0.90
06 11 16 00-0025	LF		2" x 8" Wood Purlin.....	3.05	1.01
06 11 16 00-0026	LF		2" x 10" Wood Purlin.....	3.67	1.10
06 11 16 00-0027	LF		2" x 4" Pressure Treated Wood Purlin.....	2.29	0.82
06 11 16 00-0028	LF		2" x 6" Pressure Treated Wood Purlin.....	2.89	0.90
06 11 16 00-0029	LF		2" x 8" Pressure Treated Wood Purlin.....	3.49	1.01
06 11 16 00-0030	LF		2" x 10" Pressure Treated Wood Purlin.....	4.05	1.10
<b>06 11 16 00-0031 Exposed Rafters Or Joists (06 11 16 00-0001)</b>					
<b>06 11 16 00-0032 Redwood Rafters Or Joists (06 11 16 00-0031)</b>					
06 11 16 00-0033	LF		2" x 6" Redwood Rafter Or Joist.....	3.65	1.37
06 11 16 00-0034	LF		2" x 8" Redwood Rafter Or Joist.....	4.41	1.51
06 11 16 00-0035	LF		2" x 10" Redwood Rafter Or Joist.....	5.48	1.92
06 11 16 00-0036	LF		2" x 12" Redwood Rafter Or Joist.....	6.61	2.19
<b>06 11 16 00-0037 Cedar Rafters Or Joists (06 11 16 00-0031)</b>					
06 11 16 00-0038	LF		2" x 6" Cedar Rafter Or Joist.....	2.55	1.37
06 11 16 00-0039	LF		2" x 8" Cedar Rafter Or Joist.....	2.87	1.51
06 11 16 00-0040	LF		2" x 10" Cedar Rafter Or Joist.....	3.34	1.92
06 11 16 00-0041	LF		2" x 12" Cedar Rafter Or Joist.....	3.80	2.19
<b>06 11 16 00-0042 Oak Rafters Or Joists (06 11 16 00-0031)</b>					
06 11 16 00-0043	LF		2" x 6" Oak Rafter Or Joist.....	3.00	1.37
06 11 16 00-0044	LF		2" x 8" Oak Rafter Or Joist.....	4.01	1.51
06 11 16 00-0045	LF		2" x 10" Oak Rafter Or Joist.....	5.16	1.92
06 11 16 00-0046	LF		2" x 12" Oak Rafter Or Joist.....	6.31	2.19
<b>06 11 16 00-0047 Framing (06 11 16)</b>					
<b>06 11 16 00-0048 Partition Framing (06 11 16 00-0047)</b>					
06 11 16 00-0049	LF		2" x 4" Wood Stud Framing, For Partition Walls ..... <i>For Selectively Replaced Wood, Add</i>	2.03 2.37	1.10
06 11 16 00-0050	LF		2" x 6" Wood Stud Framing, For Partition Walls ..... <i>For Selectively Replaced Wood, Add</i>	2.40 2.48	1.17
06 11 16 00-0051	LF		2" x 8" Wood Stud Framing, For Partition Walls ..... <i>For Selectively Replaced Wood, Add</i>	2.78 2.58	1.24
06 11 16 00-0052	LF		2" x 4" Pressure Treated Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	2.22 2.37	1.10
06 11 16 00-0053	LF		2" x 6" Pressure Treated Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	2.72 2.48	1.17
06 11 16 00-0054	LF		2" x 8" Pressure Treated Wood Stud Framing, For Partition Walls..... <i>For Selectively Replaced Wood, Add</i>	3.22 2.58	1.24

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 11 16 00-0055			<b>Wall Framing Assemblies By The SF</b> (06 11 16 00-0047) Note: Includes single bottom and double top plates, center support bracing, vertical studs and appropriate fastening devices. Excludes blocking for wall mounted fixtures or cabinets. Per SF of wall area measures one side. Do not deduct for openings of less than 25 SF when calculating total wall square footage.		
06 11 16 00-0056			<b>Wall Framing By The SF, 12" On Center</b> (06 11 16 00-0055)		
06 11 16 00-0057	SF		2" x 4" At 12" On Center, Wood Wall Framing Assembly.....	2.61	1.32
			For Up To 200, Add	0.91	
			For >200 To 500, Add	0.46	
06 11 16 00-0058	SF		2" x 6" At 12" On Center, Wood Wall Framing Assembly.....	3.49	1.71
			For Up To 200, Add	1.20	
			For >200 To 500, Add	0.60	
06 11 16 00-0059	SF		2" x 8" At 12" On Center, Wood Wall Framing Assembly.....	4.64	2.28
			For Up To 200, Add	1.60	
			For >200 To 500, Add	0.80	
06 11 16 00-0060			<b>Wall Framing By The SF, 16" On Center</b> (06 11 16 00-0055)		
06 11 16 00-0061	SF		2" x 4" At 16" On Center, Wood Wall Framing Assembly.....	2.12	1.08
			For Up To 200, Add	0.74	
			For >200 To 500, Add	0.37	
06 11 16 00-0062	SF		2" x 6" At 16" On Center, Wood Wall Framing Assembly.....	2.88	1.42
			For Up To 200, Add	0.99	
			For >200 To 500, Add	0.50	
06 11 16 00-0063	SF		2" x 8" At 16" On Center, Wood Wall Framing Assembly.....	3.86	1.89
			For Up To 200, Add	1.33	
			For >200 To 500, Add	0.67	
06 11 16 00-0064			<b>Wall Framing By The SF, 24" On Center</b> (06 11 16 00-0055)		
06 11 16 00-0065	SF		2" x 4" At 24" On Center, Wood Wall Framing Assembly.....	1.67	0.84
			For Up To 200, Add	0.58	
			For >200 To 500, Add	0.29	
06 11 16 00-0066	SF		2" x 6" At 24" On Center, Wood Wall Framing Assembly.....	2.28	1.11
			For Up To 200, Add	0.78	
			For >200 To 500, Add	0.39	
06 11 16 00-0067	SF		2" x 8" At 24" On Center, Wood Wall Framing Assembly.....	3.03	1.47
			For Up To 200, Add	1.04	
			For >200 To 500, Add	0.52	
06 11 16 00-0068			<b>Sills And Plates</b> (06 11 16)		
06 11 16 00-0069			<b>Sills</b> (06 11 16 00-0068) Note: A horizontal member which rests on and is attached to the foundation.		
06 11 16 00-0070	LF		2" x 4" Wood Sill.....	3.54	2.06
			For Selectively Replaced Wood, Add	4.64	
06 11 16 00-0071	LF		2" x 6" Wood Sill.....	4.18	2.34
			For Selectively Replaced Wood, Add	5.15	
06 11 16 00-0072	LF		2" x 8" Wood Sill.....	4.94	2.61
			For Selectively Replaced Wood, Add	5.82	
06 11 16 00-0073	LF		2" x 4" Pressure Treated Wood Sill.....	3.73	2.06
			For Selectively Replaced Wood, Add	4.64	
06 11 16 00-0074	LF		2" x 6" Pressure Treated Wood Sill.....	4.50	2.34
			For Selectively Replaced Wood, Add	5.15	
06 11 16 00-0075	LF		2" x 8" Pressure Treated Wood Sill.....	5.38	2.61
			For Selectively Replaced Wood, Add	5.82	
06 11 16 00-0076			<b>Plates</b> (06 11 16 00-0068) Note: A horizontal member connecting and terminating studs, posts, joists, rafters, etc. such as the top and bottom plate on a stud framed partition wall.		
06 11 16 00-0077	LF		2" x 4" Wood Plate.....	3.54	2.06
			For Selectively Replaced Wood, Add	4.64	
06 11 16 00-0078	LF		2" x 6" Wood Plate.....	4.18	2.34
			For Selectively Replaced Wood, Add	5.15	
06 11 16 00-0079	LF		2" x 8" Wood Plate.....	4.91	2.61
			For Selectively Replaced Wood, Add	5.78	
06 11 16 00-0080	LF		2" x 4" Pressure Treated Wood Plate.....	3.73	2.06
			For Selectively Replaced Wood, Add	4.64	
06 11 16 00-0081	LF		2" x 6" Pressure Treated Wood Plate.....	4.50	2.34
			For Selectively Replaced Wood, Add	5.15	
06 11 16 00-0082	LF		2" x 8" Pressure Treated Wood Plate.....	5.35	2.61
			For Selectively Replaced Wood, Add	5.78	
06 11 16 00-0083			<b>Suspended Ceiling Framing</b> (06 11 16)		
06 11 16 00-0084	LF		1" x 2" Wood Suspended Ceiling Framing.....	2.95	1.79
06 11 16 00-0085	LF		1" x 3" Wood Suspended Ceiling Framing.....	3.20	1.92
06 11 16 00-0086	LF		1" x 4" Wood Suspended Ceiling Framing.....	3.36	2.06
06 11 16 00-0087	LF		2" x 2" Wood Suspended Ceiling Framing.....	3.44	2.06
06 11 16 00-0088	LF		2" x 4" Wood Suspended Ceiling Framing.....	4.08	2.34
06 11 16 00-0089	LF		1" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	3.13	1.79
06 11 16 00-0090	LF		1" x 3" Pressure Treated Wood Suspended Ceiling Framing.....	3.21	1.92
06 11 16 00-0091	LF		1" x 4" Pressure Treated Wood Suspended Ceiling Framing.....	3.48	2.06
06 11 16 00-0092	LF		2" x 2" Pressure Treated Wood Suspended Ceiling Framing.....	3.61	2.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 11 16 00-0093	LF		2" x 4" Pressure Treated Wood Suspended Ceiling Framing .....	4.22	2.34
<b>06 11 16 00-0094</b>			<b>Posts And Girts</b> <small>(06 11 16)</small>		
<b>06 11 16 00-0095</b>			<b>Posts</b> <small>(06 11 16 00-0094)</small>		
			Note: A vertical, upright framing member.		
06 11 16 00-0096	LF		4" x 4" Wood Post.....	5.03	2.61
06 11 16 00-0097	LF		4" x 5" Wood Post.....	5.74	3.03
06 11 16 00-0098	LF		4" x 6" Wood Post.....	6.33	3.30
06 11 16 00-0099	LF		6" x 6" Wood Post.....	7.03	3.58
06 11 16 00-0100	LF		8" x 8" Wood Post.....	7.72	3.71
06 11 16 00-0101	LF		10" x 10" Wood Post.....	8.42	4.26
06 11 16 00-0102	LF		4" x 4" Pressure Treated Wood Post .....	6.32	2.61
06 11 16 00-0103	LF		3" x 6" Pressure Treated Wood Post .....	7.24	3.30
06 11 16 00-0104	LF		4" x 6" Pressure Treated Wood Post .....	8.74	3.30
06 11 16 00-0105	LF		6" x 6" Pressure Treated Wood Post .....	11.83	3.58
<b>06 11 16 00-0106</b>			<b>Girts</b> <small>(06 11 16 00-0094)</small>		
			Note: A horizontal member at intermediate level between columns, studs, or posts.		
06 11 16 00-0107	LF		2" x 4" Wood Girt .....	2.43	0.99
06 11 16 00-0108	LF		2" x 6" Wood Girt .....	2.92	1.09
06 11 16 00-0109	LF		2" x 8" Wood Girt .....	3.45	1.20
06 11 16 00-0110	LF		2" x 10" Wood Girt .....	4.12	1.32
06 11 16 00-0111	LF		4" x 4" Wood Girt .....	4.90	1.98
06 11 16 00-0112	LF		4" x 5" Wood Girt .....	5.61	2.22
06 11 16 00-0113	LF		4" x 6" Wood Girt .....	6.31	2.48
06 11 16 00-0114	LF		6" x 6" Wood Girt .....	7.01	2.72
06 11 16 00-0115	LF		8" x 8" Wood Girt .....	7.71	2.97
06 11 16 00-0116	LF		10" x 10" Wood Girt.....	8.41	3.23
06 11 16 00-0117	LF		2" x 4" Pressure Treated Wood Girt.....	2.62	0.99
06 11 16 00-0118	LF		2" x 6" Pressure Treated Wood Girt.....	3.24	1.09
06 11 16 00-0119	LF		2" x 8" Pressure Treated Wood Girt.....	3.89	1.20
06 11 16 00-0120	LF		2" x 10" Pressure Treated Wood Girt.....	4.50	1.32
06 11 16 00-0121	LF		4" x 4" Pressure Treated Wood Girt.....	6.32	1.98
06 11 16 00-0122	LF		3" x 6" Pressure Treated Wood Girt.....	7.24	2.48
06 11 16 00-0123	LF		4" x 6" Pressure Treated Wood Girt.....	8.74	2.48
06 11 16 00-0124	LF		6" x 6" Pressure Treated Wood Girt.....	11.83	2.72
<b>06 11 16 00-0125</b>			<b>Stair Stringers</b> <small>(06 11 16)</small>		
06 11 16 00-0126	LF		2" x 10" Wood Stair Stringer .....	9.70	5.50
06 11 16 00-0127	LF		2" x 12" Wood Stair Stringer .....	11.43	6.46
06 11 16 00-0128	LF		2" x 10" Pressure Treated Wood Stair Stringer.....	10.11	5.50
06 11 16 00-0129	LF		2" x 12" Pressure Treated Wood Stair Stringer.....	12.04	6.46
<b>06 11 16 00-0130</b>			<b>Blocking And Sleepers</b> <small>(06 11 16)</small>		
<b>06 11 16 00-0131</b>			<b>Blocking</b> <small>(06 11 16 00-0130)</small>		
<b>06 11 16 00-0132</b>			<b>Blocking To Wood</b> <small>(06 11 16 00-0131)</small>		
06 11 16 00-0133	LF		2" x 4" Pressure Treated Wood Blocking To Wood .....	7.53	3.30
06 11 16 00-0134	LF		2" x 6" Pressure Treated Wood Blocking To Wood .....	8.81	3.63
06 11 16 00-0135	LF		2" x 8" Pressure Treated Wood Blocking To Wood .....	9.99	3.99
06 11 16 00-0136	LF		4" x 4" Pressure Treated Wood Blocking To Wood .....	11.46	4.40
06 11 16 00-0137	LF		4" x 6" Pressure Treated Wood Blocking To Wood .....	13.65	4.83
06 11 16 00-0138	LF		2" x 4" Wood Blocking To Wood .....	7.06	3.30
06 11 16 00-0139	LF		2" x 6" Wood Blocking To Wood .....	8.02	3.63
06 11 16 00-0140	LF		2" x 8" Wood Blocking To Wood .....	9.06	3.99
06 11 16 00-0141	LF		4" x 4" Wood Blocking To Wood .....	9.88	4.40
06 11 16 00-0142	LF		4" x 6" Wood Blocking To Wood .....	11.06	4.83
<b>06 11 16 00-0143</b>			<b>Blocking To Steel</b> <small>(06 11 16 00-0131)</small>		
06 11 16 00-0144	LF		2" x 4" Pressure Treated Wood Blocking To Steel.....	8.61	3.80
06 11 16 00-0145	LF		2" x 6" Pressure Treated Wood Blocking To Steel.....	10.06	4.18
06 11 16 00-0146	LF		2" x 8" Pressure Treated Wood Blocking To Steel.....	11.39	4.60
06 11 16 00-0147	LF		2" x 4" Wood Blocking To Steel .....	8.08	3.80
06 11 16 00-0148	LF		2" x 6" Wood Blocking To Steel .....	9.19	4.18
06 11 16 00-0149	LF		2" x 8" Wood Blocking To Steel .....	10.37	4.60
<b>06 11 16 00-0150</b>			<b>Blocking To Concrete</b> <small>(06 11 16 00-0131)</small>		
06 11 16 00-0151	LF		2" x 4" Pressure Treated Wood Blocking To Concrete .....	8.61	3.80
06 11 16 00-0152	LF		2" x 6" Pressure Treated Wood Blocking To Concrete .....	10.06	4.18
06 11 16 00-0153	LF		2" x 8" Pressure Treated Wood Blocking To Concrete .....	11.39	4.60
06 11 16 00-0154	LF		2" x 4" Wood Blocking To Concrete.....	8.08	3.80
06 11 16 00-0155	LF		2" x 6" Wood Blocking To Concrete .....	9.19	4.18
06 11 16 00-0156	LF		2" x 8" Wood Blocking To Concrete .....	10.37	4.60
<b>06 11 16 00-0157</b>			<b>Pressure Treated Lattice</b> <small>(06 11 16 00-0130)</small>		
06 11 16 00-0158	SF		3/4" Thick Pressure Treated Wood Lattice .....	7.25	2.89

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 11 Wood Framing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 11 16 00-0159		Sleepers <small>(06 11 16 00-0130)</small>		
06 11 16 00-0160		Sleepers To Wood <small>(06 11 16 00-0159)</small>		
06 11 16 00-0161	LF	1" x 2" Pressure Treated Wood Sleeper On Wood .....	1.35	0.48
06 11 16 00-0162	LF	1" x 3" Pressure Treated Wood Sleeper On Wood .....	1.42	0.55
06 11 16 00-0163	LF	1" x 4" Pressure Treated Wood Sleeper On Wood .....	1.67	0.62
06 11 16 00-0164	LF	2" x 4" Pressure Treated Wood Sleeper On Wood .....	2.43	0.76
06 11 16 00-0165	LF	2" x 6" Pressure Treated Wood Sleeper On Wood .....	3.19	0.82
06 11 16 00-0166		Sleepers To Concrete <small>(06 11 16 00-0159)</small>		
06 11 16 00-0167	LF	1" x 2" Pressure Treated Wood Sleeper On Concrete .....	1.39	0.48
06 11 16 00-0168	LF	1" x 3" Pressure Treated Wood Sleeper On Concrete .....	1.45	0.55
06 11 16 00-0169	LF	1" x 4" Pressure Treated Wood Sleeper On Concrete .....	1.71	0.62
06 11 16 00-0170	LF	2" x 4" Pressure Treated Wood Sleeper On Concrete .....	2.53	0.76
06 11 16 00-0171	LF	2" x 6" Pressure Treated Wood Sleeper On Concrete .....	3.35	0.82
06 11 16 00-0172		Roofing Nailers <small>(06 11 16)</small>		
06 11 16 00-0173	LF	2" x 4" Pressure Treated Lumber, For Roofing Nailers .....	3.80	1.10
06 11 16 00-0174	LF	2" x 6" Pressure Treated Lumber, For Roofing Nailers .....	4.37	1.17
06 11 16 00-0175	LF	2" x 8" Pressure Treated Lumber, For Roofing Nailers .....	4.93	1.24
06 11 16 00-0176		Roofing Sleepers <small>(06 11 16)</small>		
06 11 16 00-0177	LF	2" x 4" Pressure Treated Lumber, For Roofing Sleepers .....	1.67	
06 11 16 00-0178	LF	4" x 4" Pressure Treated Lumber, For Roofing Sleepers .....	4.37	
06 11 16 00-0179	LF	4" x 6" Pressure Treated Lumber, For Roofing Sleepers .....	6.27	
06 11 16 00-0180	LF	6" x 6" Pressure Treated Lumber, For Roofing Sleepers .....	9.13	
06 11 16 00-0181		Canopy Framing, Bridging, And Furring <small>(06 11 16)</small>		
06 11 16 00-0182		Wood And Steel Bridging <small>(06 11 16 00-0181)</small>		
06 11 16 00-0183		Wood Bridging <small>(06 11 16 00-0182)</small>		
06 11 16 00-0184	EA	1 Pair Wood Bridging, 1" x 3" Cross Type .....	10.98	4.82
		Note: For joists spaced at 16" on center.		
06 11 16 00-0185	EA	1 Pair Wood Bridging, 2" x 3" Cross Type .....	11.22	4.82
		Note: For joists spaced at 16" on center.		
06 11 16 00-0186		Steel Bridging <small>(06 11 16 00-0182)</small>		
06 11 16 00-0187	EA	1 Pair Steel Bridging, Wood Joists At 16" On Center .....	13.63	4.82
06 11 16 00-0188	EA	1 Pair Steel Bridging, Wood Joists At 24" On Center .....	13.59	4.82
06 11 16 00-0189		Light Framing, Trim And Furring <small>(06 11 16 00-0181)</small>		
06 11 16 00-0190		Pine/Spruce/Fir Light Framing, Trim And Furring <small>(06 11 16 00-0189)</small>		
		Note: S4S board, select grade 1		
06 11 16 00-0191	LF	1" x 1" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.40	1.13
06 11 16 00-0192	LF	1" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	2.68	1.24
06 11 16 00-0193	LF	1" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.05	1.36
06 11 16 00-0194	LF	1" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.39	1.49
06 11 16 00-0195	LF	1" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.76	1.65
06 11 16 00-0196	LF	1" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	4.15	1.82
06 11 16 00-0197	LF	2" x 2" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.41	1.49
06 11 16 00-0198	LF	2" x 4" Pine/Spruce/Fir Light Framing, Trim And Furring .....	3.80	1.65
06 11 16 00-0199	LF	2" x 6" Pine/Spruce/Fir Light Framing, Trim And Furring .....	4.38	1.82
06 11 16 00-0200	LF	2" x 8" Pine/Spruce/Fir Light Framing, Trim And Furring .....	5.04	1.99
06 11 16 00-0201	LF	2" x 10" Pine/Spruce/Fir Light Framing, Trim And Furring .....	5.87	2.19
06 11 16 00-0202		Cedar Light Framing, Trim And Furring <small>(06 11 16 00-0189)</small>		
		Note: S4S board, select grade 1		
06 11 16 00-0203	LF	1" x 1" Cedar Light Framing, Trim And Furring .....	2.42	1.13
06 11 16 00-0204	LF	1" x 2" Cedar Light Framing, Trim And Furring .....	2.81	1.24
06 11 16 00-0205	LF	1" x 4" Cedar Light Framing, Trim And Furring .....	3.53	1.36
06 11 16 00-0206	LF	1" x 6" Cedar Light Framing, Trim And Furring .....	4.22	1.49
06 11 16 00-0207	LF	1" x 8" Cedar Light Framing, Trim And Furring .....	5.92	1.65
06 11 16 00-0208	LF	1" x 10" Cedar Light Framing, Trim And Furring .....	6.90	1.82
06 11 16 00-0209	LF	2" x 2" Cedar Light Framing, Trim And Furring .....	3.72	1.49
06 11 16 00-0210	LF	2" x 4" Cedar Light Framing, Trim And Furring .....	4.26	1.65
06 11 16 00-0211		Oak Light Framing, Trim And Furring <small>(06 11 16 00-0189)</small>		
		Note: S4S board, select grade 1		
06 11 16 00-0212	LF	1" x 1" Oak Light Framing, Trim And Furring .....	2.43	1.13
06 11 16 00-0213	LF	1" x 2" Oak Light Framing, Trim And Furring .....	2.82	1.24
06 11 16 00-0214	LF	1" x 4" Oak Light Framing, Trim And Furring .....	3.41	1.36
06 11 16 00-0215	LF	1" x 6" Oak Light Framing, Trim And Furring .....	4.03	1.49
06 11 16 00-0216	LF	1" x 8" Oak Light Framing, Trim And Furring .....	4.68	1.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 11 16 00-0217	LF		1" x 10" Oak Light Framing, Trim And Furring.....	5.35	1.82
06 11 16 00-0218	LF		2" x 2" Oak Light Framing, Trim And Furring.....	3.69	1.49
06 11 16 00-0219	LF		2" x 4" Oak Light Framing, Trim And Furring.....	4.68	1.65

**06 11 16 00-0220 Redwood Light Framing, Trim And Furring (06 11 16 00-0189)**

Note: S4S board, select grade 1

06 11 16 00-0221	LF		1" x 1" Redwood Light Framing, Trim And Furring.....	2.38	1.13
06 11 16 00-0222	LF		1" x 2" Redwood Light Framing, Trim And Furring.....	2.73	1.24
06 11 16 00-0223	LF		1" x 4" Redwood Light Framing, Trim And Furring.....	3.24	1.36
06 11 16 00-0224	LF		1" x 6" Redwood Light Framing, Trim And Furring.....	3.83	1.49
06 11 16 00-0225	LF		1" x 8" Redwood Light Framing, Trim And Furring.....	4.46	1.65
06 11 16 00-0226	LF		1" x 10" Redwood Light Framing, Trim And Furring.....	5.16	1.82
06 11 16 00-0227	LF		2" x 2" Redwood Light Framing, Trim And Furring.....	3.84	1.49
06 11 16 00-0228	LF		2" x 4" Redwood Light Framing, Trim And Furring.....	4.48	1.65

**06 11 16 00-0229 Poplar Light Framing, Trim And Furring (06 11 16 00-0189)**

Note: S4S board, select grade 1

06 11 16 00-0230	LF		1" x 1" Poplar Light Framing, Trim And Furring.....	2.67	1.13
06 11 16 00-0231	LF		1" x 2" Poplar Light Framing, Trim And Furring.....	3.19	1.24
06 11 16 00-0232	LF		1" x 4" Poplar Light Framing, Trim And Furring.....	3.89	1.36
06 11 16 00-0233	LF		1" x 6" Poplar Light Framing, Trim And Furring.....	4.83	1.49
06 11 16 00-0234	LF		1" x 8" Poplar Light Framing, Trim And Furring.....	5.55	1.65
06 11 16 00-0235	LF		1" x 10" Poplar Light Framing, Trim And Furring.....	7.12	1.82
06 11 16 00-0236	LF		1" x 12" Poplar Light Framing, Trim And Furring.....	7.61	1.82
06 11 16 00-0237	LF		2" x 2" Poplar Light Framing, Trim And Furring.....	6.06	1.49
06 11 16 00-0238	LF		2" x 4" Poplar Light Framing, Trim And Furring.....	6.78	1.65
06 11 16 00-0239	LF		2" x 6" Poplar Light Framing, Trim And Furring.....	8.84	1.82

**06 11 16 00-0240 Maple Light Framing, Trim And Furring (06 11 16 00-0189)**

Note: S4S board, select grade 1

06 11 16 00-0241	LF		1" x 4" Maple Light Framing, Trim And Furring.....	4.66	1.36
06 11 16 00-0242	LF		1" x 6" Maple Light Framing, Trim And Furring.....	6.02	1.49
06 11 16 00-0243	LF		1" x 8" Maple Light Framing, Trim And Furring.....	7.42	1.65

**06 13 Heavy Timber Construction (06 10)**

**06 13 23 Heavy Timber Framing (06 13)**

**06 13 23 00-0001 Heavy Timber Framing (06 13 23)**

Note: Excludes fasteners. See CSI section 06 05 23 00-0093 for bolts and fasteners.

**06 13 23 00-0002 Heavy Timber Beams (06 13 23 00-0001)**

**06 13 23 00-0003 Pine, Heavy Timber Beams (06 13 23 00-0002)**

06 13 23 00-0004	LF		4" x 4", Pine, Heavy Timber Beam.....	6.92	2.44
06 13 23 00-0005	LF		4" x 6", Pine, Heavy Timber Beam.....	8.15	2.54
06 13 23 00-0006	LF		4" x 8", Pine, Heavy Timber Beam.....	9.37	2.64
06 13 23 00-0007	LF		4" x 10", Pine, Heavy Timber Beam.....	11.83	2.81
06 13 23 00-0008	LF		4" x 12", Pine, Heavy Timber Beam.....	13.84	2.99
06 13 23 00-0009	LF		6" x 6", Pine, Heavy Timber Beam.....	10.04	2.75
06 13 23 00-0010	LF		6" x 8", Pine, Heavy Timber Beam.....	11.81	2.89
06 13 23 00-0011	LF		6" x 10", Pine, Heavy Timber Beam.....	15.48	3.09
06 13 23 00-0012	LF		6" x 12", Pine, Heavy Timber Beam.....	18.12	3.16
06 13 23 00-0013	LF		8" x 8", Pine, Heavy Timber Beam.....	14.12	2.99
06 13 23 00-0014	LF		8" x 10", Pine, Heavy Timber Beam.....	18.57	3.09
06 13 23 00-0015	LF		8" x 12", Pine, Heavy Timber Beam.....	22.16	3.16
06 13 23 00-0016	LF		10" x 10", Pine, Heavy Timber Beam.....	21.93	3.16
06 13 23 00-0017	LF		10" x 12", Pine, Heavy Timber Beam.....	26.54	3.43
06 13 23 00-0018	LF		12" x 12", Pine, Heavy Timber Beam.....	31.15	3.78

**06 13 23 00-0019 Douglas Fir, Heavy Timber Beams (06 13 23 00-0002)**

06 13 23 00-0020	LF		4" x 4", Douglas Fir, Heavy Timber Beam.....	7.13	2.44
06 13 23 00-0021	LF		4" x 6", Douglas Fir, Heavy Timber Beam.....	8.45	2.54
06 13 23 00-0022	LF		4" x 8", Douglas Fir, Heavy Timber Beam.....	9.78	2.64
06 13 23 00-0023	LF		4" x 10", Douglas Fir, Heavy Timber Beam.....	12.45	2.81
06 13 23 00-0024	LF		4" x 12", Douglas Fir, Heavy Timber Beam.....	14.62	2.99
06 13 23 00-0025	LF		6" x 6", Douglas Fir, Heavy Timber Beam.....	10.49	2.75
06 13 23 00-0026	LF		6" x 8", Douglas Fir, Heavy Timber Beam.....	12.41	2.89
06 13 23 00-0027	LF		6" x 10", Douglas Fir, Heavy Timber Beam.....	16.39	3.09
06 13 23 00-0028	LF		6" x 12", Douglas Fir, Heavy Timber Beam.....	19.30	3.16
06 13 23 00-0029	LF		8" x 8", Douglas Fir, Heavy Timber Beam.....	14.94	2.99
06 13 23 00-0030	LF		8" x 10", Douglas Fir, Heavy Timber Beam.....	19.81	3.09
06 13 23 00-0031	LF		8" x 12", Douglas Fir, Heavy Timber Beam.....	23.74	3.16
06 13 23 00-0032	LF		10" x 10", Douglas Fir, Heavy Timber Beam.....	23.46	3.16
06 13 23 00-0033	LF		10" x 12", Douglas Fir, Heavy Timber Beam.....	28.48	3.43
06 13 23 00-0034	LF		12" x 12", Douglas Fir, Heavy Timber Beam.....	33.51	3.78

**06 13 23 00-0035 Pressure Treated, Heavy Timber Beams (06 13 23 00-0002)**

06 13 23 00-0036	LF		4" x 4", Pressure Treated, Heavy Timber Beam.....	7.26	2.44
06 13 23 00-0037	LF		4" x 6", Pressure Treated, Heavy Timber Beam.....	8.88	2.54

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 13 Heavy Timber Construction**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 13 23 00-0038	LF	4" x 8", Pressure Treated, Heavy Timber Beam	10.29	2.64
06 13 23 00-0039	LF	4" x 10", Pressure Treated, Heavy Timber Beam	13.21	2.81
06 13 23 00-0040	LF	4" x 12", Pressure Treated, Heavy Timber Beam	15.59	2.99
06 13 23 00-0041	LF	6" x 6", Pressure Treated, Heavy Timber Beam	11.83	2.75
06 13 23 00-0042	LF	6" x 8", Pressure Treated, Heavy Timber Beam	14.24	2.89
06 13 23 00-0043	LF	6" x 10", Pressure Treated, Heavy Timber Beam	16.90	3.09
06 13 23 00-0044	LF	6" x 12", Pressure Treated, Heavy Timber Beam	20.38	3.16
06 13 23 00-0045	LF	8" x 8", Pressure Treated, Heavy Timber Beam	20.46	2.99
06 13 23 00-0046	LF	8" x 10", Pressure Treated, Heavy Timber Beam	23.58	3.09
06 13 23 00-0047	LF	8" x 12", Pressure Treated, Heavy Timber Beam	27.53	3.16
06 13 23 00-0048	LF	10" x 10", Pressure Treated, Heavy Timber Beam	27.65	3.16
06 13 23 00-0049	LF	10" x 12", Pressure Treated, Heavy Timber Beam	36.14	3.43
06 13 23 00-0050	LF	12" x 12", Pressure Treated, Heavy Timber Beam	42.69	3.78

**06 13 23 00-0051 Heavy Timber Columns (06 13 23 00-0001)****06 13 23 00-0052 Pine, Heavy Timber Columns (06 13 23 00-0051)**

06 13 23 00-0053	LF	4" x 4", Pine, Heavy Timber Column	4.61	1.28
06 13 23 00-0054	LF	4" x 6", Pine, Heavy Timber Column	5.77	1.36
06 13 23 00-0055	LF	4" x 8", Pine, Heavy Timber Column	6.86	1.39
06 13 23 00-0056	LF	4" x 10", Pine, Heavy Timber Column	9.16	1.48
06 13 23 00-0057	LF	4" x 12", Pine, Heavy Timber Column	11.02	1.57
06 13 23 00-0058	LF	6" x 6", Pine, Heavy Timber Column	7.45	1.43
06 13 23 00-0059	LF	6" x 8", Pine, Heavy Timber Column	9.12	1.49
06 13 23 00-0060	LF	6" x 10", Pine, Heavy Timber Column	12.54	1.63
06 13 23 00-0061	LF	6" x 12", Pine, Heavy Timber Column	15.13	1.67
06 13 23 00-0062	LF	8" x 8", Pine, Heavy Timber Column	11.30	1.57
06 13 23 00-0063	LF	8" x 10", Pine, Heavy Timber Column	15.63	1.63
06 13 23 00-0064	LF	8" x 12", Pine, Heavy Timber Column	19.11	1.70
06 13 23 00-0065	LF	10" x 10", Pine, Heavy Timber Column	18.87	1.70
06 13 23 00-0066	LF	10" x 12", Pine, Heavy Timber Column	23.29	1.81
06 13 23 00-0067	LF	12" x 12", Pine, Heavy Timber Column	27.57	1.99

**06 13 23 00-0068 Douglas Fir, Heavy Timber Columns (06 13 23 00-0051)**

06 13 23 00-0069	LF	4" x 4", Douglas Fir, Heavy Timber Column	4.82	1.28
06 13 23 00-0070	LF	4" x 6", Douglas Fir, Heavy Timber Column	6.07	1.36
06 13 23 00-0071	LF	4" x 8", Douglas Fir, Heavy Timber Column	7.27	1.39
06 13 23 00-0072	LF	4" x 10", Douglas Fir, Heavy Timber Column	9.78	1.48
06 13 23 00-0073	LF	4" x 12", Douglas Fir, Heavy Timber Column	11.80	1.57
06 13 23 00-0074	LF	6" x 6", Douglas Fir, Heavy Timber Column	7.90	1.43
06 13 23 00-0075	LF	6" x 8", Douglas Fir, Heavy Timber Column	9.72	1.49
06 13 23 00-0076	LF	6" x 10", Douglas Fir, Heavy Timber Column	13.45	1.63
06 13 23 00-0077	LF	6" x 12", Douglas Fir, Heavy Timber Column	16.31	1.67
06 13 23 00-0078	LF	8" x 8", Douglas Fir, Heavy Timber Column	12.12	1.57
06 13 23 00-0079	LF	8" x 10", Douglas Fir, Heavy Timber Column	16.87	1.63
06 13 23 00-0080	LF	8" x 12", Douglas Fir, Heavy Timber Column	20.69	1.70
06 13 23 00-0081	LF	10" x 10", Douglas Fir, Heavy Timber Column	20.40	1.70
06 13 23 00-0082	LF	10" x 12", Douglas Fir, Heavy Timber Column	25.23	1.81
06 13 23 00-0083	LF	12" x 12", Douglas Fir, Heavy Timber Column	29.93	1.99

**06 13 23 00-0084 Pressure Treated, Heavy Timber Columns (06 13 23 00-0051)**

06 13 23 00-0085	LF	4" x 4", Pressure Treated, Heavy Timber Column	4.95	1.28
06 13 23 00-0086	LF	4" x 6", Pressure Treated, Heavy Timber Column	6.50	1.36
06 13 23 00-0087	LF	4" x 8", Pressure Treated, Heavy Timber Column	7.78	1.39
06 13 23 00-0088	LF	4" x 10", Pressure Treated, Heavy Timber Column	10.54	1.48
06 13 23 00-0089	LF	4" x 12", Pressure Treated, Heavy Timber Column	12.77	1.57
06 13 23 00-0090	LF	6" x 6", Pressure Treated, Heavy Timber Column	9.24	1.43
06 13 23 00-0091	LF	6" x 8", Pressure Treated, Heavy Timber Column	11.55	1.49
06 13 23 00-0092	LF	6" x 10", Pressure Treated, Heavy Timber Column	13.96	1.63
06 13 23 00-0093	LF	6" x 12", Pressure Treated, Heavy Timber Column	17.39	1.67
06 13 23 00-0094	LF	8" x 8", Pressure Treated, Heavy Timber Column	17.64	1.57
06 13 23 00-0095	LF	8" x 10", Pressure Treated, Heavy Timber Column	20.64	1.63
06 13 23 00-0096	LF	8" x 12", Pressure Treated, Heavy Timber Column	24.48	1.70
06 13 23 00-0097	LF	10" x 10", Pressure Treated, Heavy Timber Column	24.59	1.70
06 13 23 00-0098	LF	10" x 12", Pressure Treated, Heavy Timber Column	32.89	1.81
06 13 23 00-0099	LF	12" x 12", Pressure Treated, Heavy Timber Column	39.11	1.99

**06 16 Sheathing (06 10)****06 16 33 Wood Board Sheathing (06 16)**

06 16 33 00-0001 Plywood (06 16 33)

06 16 33 00-0002 Roof Decking (06 16 33 00-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 16 33 00-0003	SF		1/4" Thick CDX Plywood Roof Decking .....	2.34	0.69
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.32	
			For Exterior CC Grade Plywood, Add	0.11	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.32	
			For ACQ Preservative Treatment, Add	0.35	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.43	
			For Fire Retardant Treatment, Add	0.57	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.06	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.17	
06 16 33 00-0004	SF		3/8" Thick CDX Plywood Roof Decking .....	2.36	0.69
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.32	
			For Exterior CC Grade Plywood, Add	0.11	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.32	
			For ACQ Preservative Treatment, Add	0.36	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.43	
			For Fire Retardant Treatment, Add	0.58	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.12	
			For >12,800, Deduct	-0.17	
06 16 33 00-0005	SF		1/2" Thick CDX Plywood Roof Decking .....	2.67	0.82
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.35	
			For Exterior CC Grade Plywood, Add	0.14	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.35	
			For ACQ Preservative Treatment, Add	0.43	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.66	
			For Fire Retardant Treatment, Add	0.71	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.08	
			For >6,400 To 12,800, Deduct	-0.14	
			For >12,800, Deduct	-0.20	
06 16 33 00-0006	SF		5/8" Thick CDX Plywood Roof Decking .....	2.97	0.82
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.38	
			For Exterior CC Grade Plywood, Add	0.16	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.38	
			For ACQ Preservative Treatment, Add	0.51	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.85	
			For Fire Retardant Treatment, Add	0.85	
			For >1,696 To 3,200, Deduct	-0.06	
			For >3,200 To 6,400, Deduct	-0.10	
			For >6,400 To 12,800, Deduct	-0.17	
			For >12,800, Deduct	-0.22	
			For Tongue And Groove, Add	0.07	
06 16 33 00-0007	SF		3/4" Thick CDX Plywood Roof Decking .....	3.29	0.97
			Note: Applied to wood rafters.		
			For Shear Wall Construction, Add	0.41	
			For Exterior CC Grade Plywood, Add	0.19	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
			For ACQ Preservative Treatment, Add	0.60	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.08	
			For Fire Retardant Treatment, Add	0.98	
			For >1,696 To 3,200, Deduct	-0.07	
			For >3,200 To 6,400, Deduct	-0.11	
			For >6,400 To 12,800, Deduct	-0.19	
			For >12,800, Deduct	-0.25	
			For Tongue And Groove, Add	0.09	
06 16 33 00-0008			<b>Wall Sheathing</b> (06 16 33 00-0001)		
06 16 33 00-0009	SF		1/4" Interior BC Plywood Wall Sheathing .....	2.78	0.97
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.41	
			For Exterior CC Grade Plywood, Add	0.11	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
			For Ceiling Installation, Add	0.21	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.08	
			For Fire Retardant Treatment, Add	0.58	
			For >1,696 To 3,200, Deduct	-0.04	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.13	
			For >12,800, Deduct	-0.19	
06 16 33 00-0010	SF		5/16" Interior BC Plywood Wall Sheathing .....	2.82	0.97
			Note: Applied to wall studs.		
			For Shear Wall Construction, Add	0.41	
			For Exterior CC Grade Plywood, Add	0.12	
			For Application To Metal Studs, Joists, Or Rafters, Add	0.41	
			For Ceiling Installation, Add	0.21	
			For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.08	
			For Fire Retardant Treatment, Add	0.61	
			For >1,696 To 3,200, Deduct	-0.05	
			For >3,200 To 6,400, Deduct	-0.07	
			For >6,400 To 12,800, Deduct	-0.14	
			For >12,800, Deduct	-0.19	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
06 16 33 00-0011	SF 3/8" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	2.89 0.41 0.13 0.41 0.21 3.08 0.66 -0.05 -0.08 -0.14 -0.20	1.10
06 16 33 00-0012	SF 1/2" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.25 0.44 0.16 0.44 0.22 3.29 0.84 -0.06 -0.10 -0.17 -0.24	1.10
06 16 33 00-0013	SF 5/8" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.58 0.47 0.18 0.47 0.24 3.54 0.96 -0.07 -0.11 -0.19 -0.26	1.24
06 16 33 00-0014	SF 3/4" Interior BC Plywood Wall Sheathing..... Note: Applied to wall studs. For Shear Wall Construction, Add For Exterior CC Grade Plywood, Add For Application To Metal Studs, Joists, Or Rafters, Add For Ceiling Installation, Add For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct	3.94 0.51 0.21 0.51 0.25 3.81 1.11 -0.08 -0.13 -0.22 -0.30	1.37
06 16 33 00-0015	<b>Floor Decking</b> <small>(06 16 33 00-0001)</small> Note: Includes patching of seams and all fastener holes where necessary.		
06 16 33 00-0016	SF 5/16" CD Grade Plywood Floor Decking..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.07 2.31 0.42 -0.03 -0.05 -0.10 -0.14 0.25 0.10 0.08 0.05 0.41	0.82
06 16 33 00-0017	SF 3/8" CD Grade Plywood Floor Decking..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.24 2.45 0.48 -0.04 -0.05 -0.11 -0.15 0.29 0.11 0.09 0.06 0.48	0.82
06 16 33 00-0018	SF 1/2" CD Grade Plywood Floor Decking..... Note: Applied to floor or joists. For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add For Fire Retardant Treatment, Add For >1,696 To 3,200, Deduct For >3,200 To 6,400, Deduct For >6,400 To 12,800, Deduct For >12,800, Deduct For ACQ Preservative Treatment, Add For Fir Plywood, Add For BC Grade Plywood, Add For Exterior Glue, Add For Marine Grade, Add	2.53 2.58 0.64 -0.05 -0.07 -0.13 -0.18 0.39 0.15 0.12 0.08 0.63	0.82



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 16 33 00-0019	SF	5/8" CD Grade Plywood Floor Decking.....	2.80		0.82
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.81		
		For Fire Retardant Treatment, Add	0.73		
		For >1,696 To 3,200, Deduct	-0.06		
		For >3,200 To 6,400, Deduct	-0.08		
		For >6,400 To 12,800, Deduct	-0.15		
		For >12,800, Deduct	-0.21		
		For ACQ Preservative Treatment, Add	0.45		
		For Fir Plywood, Add	0.17		
		For BC Grade Plywood, Add	0.14		
		For Exterior Glue, Add	0.09		
		For Marine Grade, Add	0.73		
06 16 33 00-0020	SF	3/4" CD Grade Plywood Floor Decking.....	3.17		0.82
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.97		
		For Fire Retardant Treatment, Add	0.94		
		For >1,696 To 3,200, Deduct	-0.07		
		For >3,200 To 6,400, Deduct	-0.11		
		For >6,400 To 12,800, Deduct	-0.18		
		For >12,800, Deduct	-0.24		
		For ACQ Preservative Treatment, Add	0.57		
		For Fir Plywood, Add	0.22		
		For BC Grade Plywood, Add	0.18		
		For Exterior Glue, Add	0.11		
		For Marine Grade, Add	0.93		
06 16 33 00-0021	SF	1-1/8" CD Grade Plywood Floor Decking.....	4.62		1.24
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	3.56		
		For Fire Retardant Treatment, Add	1.78		
		For >1,696 To 3,200, Deduct	-0.14		
		For >3,200 To 6,400, Deduct	-0.20		
		For >6,400 To 12,800, Deduct	-0.31		
		For >12,800, Deduct	-0.39		
		For ACQ Preservative Treatment, Add	1.08		
		For Fir Plywood, Add	0.42		
		For BC Grade Plywood, Add	0.33		
		For Exterior Glue, Add	0.21		
		For Marine Grade, Add	1.76		
06 16 33 00-0022	SF	1/2" AC Fir Plywood Floor Decking.....	3.01		0.82
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.58		
		For Fire Retardant Treatment, Add	1.02		
		For >1,696 To 3,200, Deduct	-0.08		
		For >3,200 To 6,400, Deduct	-0.12		
		For >6,400 To 12,800, Deduct	-0.18		
		For >12,800, Deduct	-0.24		
		For ACQ Preservative Treatment, Add	0.62		
		For Exterior Glue, Add	0.12		
		For Marine Grade, Add	1.01		
		For Tongue And Groove, Add	0.09		
06 16 33 00-0023	SF	5/8" AC Fir Plywood Floor Decking.....	3.32		0.82
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.81		
		For Fire Retardant Treatment, Add	1.15		
		For >1,696 To 3,200, Deduct	-0.09		
		For >3,200 To 6,400, Deduct	-0.13		
		For >6,400 To 12,800, Deduct	-0.21		
		For >12,800, Deduct	-0.27		
		For ACQ Preservative Treatment, Add	0.70		
		For Exterior Glue, Add	0.13		
		For Marine Grade, Add	1.14		
		For Tongue And Groove, Add	0.10		
06 16 33 00-0024	SF	3/4" AC Fir Plywood Floor Decking.....	3.55		0.82
		Note: Applied to floor or joists.			
		For Selective Replacement <400 (Includes Removal Of Damaged Plywood And Fitting New Plywood To Size), Add	2.97		
		For Fire Retardant Treatment, Add	1.24		
		For >1,696 To 3,200, Deduct	-0.09		
		For >3,200 To 6,400, Deduct	-0.14		
		For >6,400 To 12,800, Deduct	-0.22		
		For >12,800, Deduct	-0.29		
		For ACQ Preservative Treatment, Add	0.75		
		For Exterior Glue, Add	0.15		
		For Marine Grade, Add	1.23		
		For Tongue And Groove, Add	0.11		
06 16 33 00-0025		Oriented Strand Board <small>(06 16 33)</small>			
06 16 33 00-0026		On Roof <small>(06 16 33 00-0025)</small>			
06 16 33 00-0027	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	1.97		0.82
		For >1,408 To 3,200, Deduct	-0.02		
		For >3,200 To 6,400, Deduct	-0.03		
		For >6,400 To 12,800, Deduct	-0.08		
		For >12,800, Deduct	-0.12		
		For Fire Retardant Treatment, Add	0.28		
		For Selective Replacement <400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add	2.43		

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 16 Sheathing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 16 33 00-0028	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.18	0.82
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.02	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.04	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.09	
		<i>For &gt;12,800, Deduct</i>	-0.14	
		<i>For Fire Retardant Treatment, Add</i>	0.32	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.66	
06 16 33 00-0029	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.49	0.97
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.04	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.11	
		<i>For &gt;12,800, Deduct</i>	-0.17	
		<i>For Fire Retardant Treatment, Add</i>	0.47	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.85	
06 16 33 00-0030	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Roof.....	2.83	0.97
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.05	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.07	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.14	
		<i>For &gt;12,800, Deduct</i>	-0.20	
		<i>For Fire Retardant Treatment, Add</i>	0.62	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.08	

**06 16 33 00-0031 On Walls** (06 16 33 00-0025)

06 16 33 00-0032	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.40	0.97
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.02	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.03	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.09	
		<i>For &gt;12,800, Deduct</i>	-0.14	
		<i>For Fire Retardant Treatment, Add</i>	0.28	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.08	
06 16 33 00-0033	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.60	1.10
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.02	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.04	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.10	
		<i>For &gt;12,800, Deduct</i>	-0.16	
		<i>For Fire Retardant Treatment, Add</i>	0.32	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.29	
06 16 33 00-0034	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Walls.....	2.95	1.24
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.04	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.12	
		<i>For &gt;12,800, Deduct</i>	-0.19	
		<i>For Fire Retardant Treatment, Add</i>	0.47	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.54	
06 16 33 00-0035	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Walls.....	3.32	1.24
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.05	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.07	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.15	
		<i>For &gt;12,800, Deduct</i>	-0.22	
		<i>For Fire Retardant Treatment, Add</i>	0.62	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.81	

**06 16 33 00-0036 On Floors** (06 16 33 00-0025)

Note: Includes patching of seams and all fastener holes where necessary.

06 16 33 00-0037	SF	3/8" Thick Structural Oriented Strand Board (OSB) On Floors .....	2.01	0.82
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.02	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.03	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.08	
		<i>For &gt;12,800, Deduct</i>	-0.13	
		<i>For Fire Retardant Treatment, Add</i>	0.28	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.49	
06 16 33 00-0038	SF	1/2" Thick Structural Oriented Strand Board (OSB) On Floors .....	2.39	0.97
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.02	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.04	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.09	
		<i>For &gt;12,800, Deduct</i>	-0.15	
		<i>For Fire Retardant Treatment, Add</i>	0.32	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	2.97	
06 16 33 00-0039	SF	5/8" Thick Structural Oriented Strand Board (OSB) On Floors .....	2.74	1.10
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.04	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.05	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.12	
		<i>For &gt;12,800, Deduct</i>	-0.18	
		<i>For Fire Retardant Treatment, Add</i>	0.47	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.23	
06 16 33 00-0040	SF	3/4" Thick Structural Oriented Strand Board (OSB) On Floors .....	3.14	1.24
		<i>For &gt;1,408 To 3,200, Deduct</i>	-0.05	
		<i>For &gt;3,200 To 6,400, Deduct</i>	-0.07	
		<i>For &gt;6,400 To 12,800, Deduct</i>	-0.14	
		<i>For &gt;12,800, Deduct</i>	-0.21	
		<i>For Fire Retardant Treatment, Add</i>	0.62	
		<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged OSB And Fitting New OSB To Size), Add</i>	3.54	

**06 16 43 Gypsum Sheathing** (06 16)**06 16 43 00-0001 Exterior Gypsum Sheathing** (06 16 43)

Note: Includes moisture resistant core and fiberglass mats on both sides and long edges.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 16 43 00-0002	SF		1/2" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	3.66	1.10
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	3.29	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.44	
			<i>For Ceiling Installation, Add</i>	0.22	
			<i>For &gt;1,696 To 3,200, Deduct</i>	-0.09	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.13	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.22	
			<i>For &gt;12,800, Deduct</i>	-0.29	
06 16 43 00-0003	SF		5/8" Exterior Gypsum Sheathing (GP Dens-Glass Gold).....	3.96	1.37
			<i>For Selective Replacement &lt;400 (Includes Removal Of Damaged Gypsum And Fitting New Gypsum To Size), Add</i>	3.54	
			<i>For Application To Metal Studs, Joists, Or Rafters, Add</i>	0.47	
			<i>For Ceiling Installation, Add</i>	0.24	
			<i>For &gt;1,696 To 3,200, Deduct</i>	-0.10	
			<i>For &gt;3,200 To 6,400, Deduct</i>	-0.14	
			<i>For &gt;6,400 To 12,800, Deduct</i>	-0.24	
			<i>For &gt;12,800, Deduct</i>	-0.31	

**06 17 Shop-Fabricated Structural Wood (06 10)**

**06 17 13 Laminated Veneer Lumber (06 17)**

06 17 13 00-0001			Laminated Veneer Lumber (LVL) (06 17 13)		
06 17 13 00-0002	LF		1-3/4" Wide x 5-1/2" Deep Laminated Veneer Lumber (LVL).....	8.02	2.38
06 17 13 00-0003	LF		1-3/4" Wide x 7-1/4" Deep Laminated Veneer Lumber (LVL).....	8.69	2.42
06 17 13 00-0004	LF		1-3/4" Wide x 9-1/2" Deep Laminated Veneer Lumber (LVL).....	9.44	2.46
06 17 13 00-0005	LF		1-3/4" Wide x 11-7/8" Deep Laminated Veneer Lumber (LVL).....	10.39	2.49
06 17 13 00-0006	LF		1-3/4" Wide x 14" Deep Laminated Veneer Lumber (LVL).....	11.11	2.54
06 17 13 00-0007	LF		1-3/4" Wide x 16" Deep Laminated Veneer Lumber (LVL).....	12.14	2.62
06 17 13 00-0008	LF		1-3/4" Wide x 18" Deep Laminated Veneer Lumber (LVL).....	13.57	2.66
06 17 13 00-0009	LF		1-3/4" Wide x 24" Deep Laminated Veneer Lumber (LVL).....	18.18	3.03

**06 17 23 Parallel Strand Lumber (06 17)**

06 17 23 00-0001			Laminated Strand Lumber (LSL) (06 17 23)		
06 17 23 00-0002	LF		2" x 4" Laminated Strand Lumber (LSL).....	2.76	1.10
06 17 23 00-0003	LF		2" x 6" Laminated Strand Lumber (LSL).....	3.57	1.17

**06 17 33 Wood I-Joists (06 17)**

06 17 33 00-0001			Prefabricated Wood I-Joists (06 17 33)		
06 17 33 00-0002	LF		9-1/2" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	5.02	1.55
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.68	
			<i>For I-Joists &gt;40' In Length, Add</i>	1.67	
06 17 33 00-0003	LF		11-7/8" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	5.45	1.72
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.76	
			<i>For I-Joists &gt;40' In Length, Add</i>	1.86	
06 17 33 00-0004	LF		14" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	6.33	1.94
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.85	
			<i>For I-Joists &gt;40' In Length, Add</i>	2.10	
06 17 33 00-0005	LF		16" Deep, 3/8" Web With 1-1/2" x 1-3/4" Flanges Prefabricated Wood I-Joist, Up To 30' Length.....	7.11	2.16
			<i>For I-Joists 30' To 40' In Length, Add</i>	0.95	
			<i>For I-Joists &gt;40' In Length, Add</i>	2.33	

**06 17 43 Rim Boards (06 17)**

06 17 43 00-0001			Oriented Strand Board (OSB) Rim Board (06 17 43)		
06 17 43 00-0002	LF		1-1/8" Wide x 9-1/2" Deep, Oriented Strand Board (OSB) Rim Board.....	6.85	2.46
06 17 43 00-0003	LF		1-1/8" Wide x 11-7/8" Deep, Oriented Strand Board (OSB) Rim Board.....	7.37	2.49
06 17 43 00-0004	LF		1-1/8" Wide x 14" Deep, Oriented Strand Board (OSB) Rim Board.....	7.97	2.54

**06 17 53 Shop-Fabricated Wood Trusses (06 17)**

Note: Includes temporary and permanent bracing, and fastening with truss tie-downs.

06 17 53 00-0001			Pre-Assembled Wood Roof Trusses (06 17 53)		
			Note: For King Post, Queen Post, Fink or Howe types. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords >42'.		
06 17 53 00-0002	EA		10' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	216.54	90.51
			<i>For Up To 15, Add</i>	2.66	
			<i>For &gt;35, Deduct</i>	-1.78	
			<i>For 3 In 12 Slope, Add</i>	1.07	
			<i>For 5 In 12 Slope, Add</i>	2.84	
			<i>For 6 In 12 Slope, Add</i>	5.33	
			<i>For 7 In 12 Slope, Add</i>	7.10	
			<i>For 8 In 12 Slope, Add</i>	8.52	
06 17 53 00-0003	EA		12' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	239.74	99.13
			<i>For Up To 15, Add</i>	3.11	
			<i>For &gt;35, Deduct</i>	-2.07	
			<i>For 3 In 12 Slope, Add</i>	1.24	
			<i>For 5 In 12 Slope, Add</i>	3.32	
			<i>For 6 In 12 Slope, Add</i>	6.22	
			<i>For 7 In 12 Slope, Add</i>	8.30	
			<i>For 8 In 12 Slope, Add</i>	9.96	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 17 53 00-0004	EA	14' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	265.42	107.75
		For Up To 15, Add	3.74	
		For >35, Deduct	-2.50	
		For 3 In 12 Slope, Add	1.50	
		For 5 In 12 Slope, Add	3.99	
		For 6 In 12 Slope, Add	7.49	
		For 7 In 12 Slope, Add	9.98	
		For 8 In 12 Slope, Add	11.98	
06 17 53 00-0005	EA	16' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	297.61	116.37
		For Up To 15, Add	4.87	
		For >35, Deduct	-3.24	
		For 3 In 12 Slope, Add	1.95	
		For 5 In 12 Slope, Add	5.19	
		For 6 In 12 Slope, Add	9.73	
		For 7 In 12 Slope, Add	12.97	
		For 8 In 12 Slope, Add	15.57	
06 17 53 00-0006	EA	18' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	326.06	124.99
		For Up To 15, Add	5.71	
		For >35, Deduct	-3.80	
		For 3 In 12 Slope, Add	2.28	
		For 5 In 12 Slope, Add	6.09	
		For 6 In 12 Slope, Add	11.41	
		For 7 In 12 Slope, Add	15.22	
		For 8 In 12 Slope, Add	18.26	
06 17 53 00-0007	EA	20' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	346.87	137.92
		For Up To 15, Add	5.33	
		For >35, Deduct	-3.55	
		For 3 In 12 Slope, Add	2.13	
		For 5 In 12 Slope, Add	5.68	
		For 6 In 12 Slope, Add	10.65	
		For 7 In 12 Slope, Add	14.21	
		For 8 In 12 Slope, Add	17.05	
06 17 53 00-0008	EA	22' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	366.19	219.82
		For Up To 15, Add	5.48	
		For >35, Deduct	-3.66	
		For 3 In 12 Slope, Add	2.19	
		For 5 In 12 Slope, Add	5.85	
		For 6 In 12 Slope, Add	10.97	
		For 7 In 12 Slope, Add	14.62	
		For 8 In 12 Slope, Add	17.55	
06 17 53 00-0009	EA	24' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	389.62	155.16
		For Up To 15, Add	5.95	
		For >35, Deduct	-3.97	
		For 3 In 12 Slope, Add	2.38	
		For 5 In 12 Slope, Add	6.34	
		For 6 In 12 Slope, Add	11.90	
		For 7 In 12 Slope, Add	15.86	
		For 8 In 12 Slope, Add	19.03	
06 17 53 00-0010	EA	26' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	413.73	245.67
		For Up To 15, Add	6.46	
		For >35, Deduct	-4.31	
		For 3 In 12 Slope, Add	2.59	
		For 5 In 12 Slope, Add	6.89	
		For 6 In 12 Slope, Add	12.93	
		For 7 In 12 Slope, Add	17.23	
		For 8 In 12 Slope, Add	20.68	
06 17 53 00-0011	EA	28' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	438.75	172.40
		For Up To 15, Add	7.05	
		For >35, Deduct	-4.70	
		For 3 In 12 Slope, Add	2.82	
		For 5 In 12 Slope, Add	7.52	
		For 6 In 12 Slope, Add	14.09	
		For 7 In 12 Slope, Add	18.79	
		For 8 In 12 Slope, Add	22.55	
06 17 53 00-0012	EA	30' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	458.97	271.54
		For Up To 15, Add	7.27	
		For >35, Deduct	-4.85	
		For 3 In 12 Slope, Add	2.91	
		For 5 In 12 Slope, Add	7.75	
		For 6 In 12 Slope, Add	14.54	
		For 7 In 12 Slope, Add	19.38	
		For 8 In 12 Slope, Add	23.26	
06 17 53 00-0013	EA	32' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	477.26	185.34
		For Up To 15, Add	8.00	
		For >35, Deduct	-5.33	
		For 3 In 12 Slope, Add	3.20	
		For 5 In 12 Slope, Add	8.53	
		For 6 In 12 Slope, Add	15.99	
		For 7 In 12 Slope, Add	21.32	
		For 8 In 12 Slope, Add	25.58	
06 17 53 00-0014	EA	34' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	515.72	291.01
		For Up To 15, Add	9.59	
		For >35, Deduct	-6.39	
		For 3 In 12 Slope, Add	3.83	
		For 5 In 12 Slope, Add	10.23	
		For 6 In 12 Slope, Add	19.17	
		For 7 In 12 Slope, Add	25.56	
		For 8 In 12 Slope, Add	30.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0015	EA		36' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	534.41	198.26
			For Up To 15, Add	10.34	
			For >35, Deduct	-6.89	
			For 3 In 12 Slope, Add	4.14	
			For 5 In 12 Slope, Add	11.03	
			For 6 In 12 Slope, Add	20.68	
			For 7 In 12 Slope, Add	27.58	
			For 8 In 12 Slope, Add	33.09	
06 17 53 00-0016	EA		38' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	561.07	310.32
			For Up To 15, Add	11.05	
			For >35, Deduct	-7.37	
			For 3 In 12 Slope, Add	4.42	
			For 5 In 12 Slope, Add	11.78	
			For 6 In 12 Slope, Add	22.10	
			For 7 In 12 Slope, Add	29.46	
			For 8 In 12 Slope, Add	35.35	
06 17 53 00-0017	EA		40' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	581.47	215.50
			For Up To 15, Add	11.28	
			For >35, Deduct	-7.52	
			For 3 In 12 Slope, Add	4.51	
			For 5 In 12 Slope, Add	12.04	
			For 6 In 12 Slope, Add	22.57	
			For 7 In 12 Slope, Add	30.09	
			For 8 In 12 Slope, Add	36.11	
06 17 53 00-0018	EA		42' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	630.52	336.18
			For Up To 15, Add	13.67	
			For >35, Deduct	-9.11	
			For 3 In 12 Slope, Add	5.47	
			For 5 In 12 Slope, Add	14.58	
			For 6 In 12 Slope, Add	27.34	
			For 7 In 12 Slope, Add	36.45	
			For 8 In 12 Slope, Add	43.74	
06 17 53 00-0019	EA		44' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	678.71	232.74
			For Up To 15, Add	15.99	
			For >35, Deduct	-10.66	
			For 3 In 12 Slope, Add	6.40	
			For 5 In 12 Slope, Add	17.06	
			For 6 In 12 Slope, Add	31.98	
			For 7 In 12 Slope, Add	42.64	
			For 8 In 12 Slope, Add	51.17	
06 17 53 00-0020	EA		46' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	702.82	241.36
			For Up To 15, Add	16.51	
			For >35, Deduct	-11.00	
			For 3 In 12 Slope, Add	6.60	
			For 5 In 12 Slope, Add	17.61	
			For 6 In 12 Slope, Add	33.01	
			For 7 In 12 Slope, Add	44.02	
			For 8 In 12 Slope, Add	52.82	
06 17 53 00-0021	EA		48' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	735.23	249.98
			For Up To 15, Add	17.64	
			For >35, Deduct	-11.76	
			For 3 In 12 Slope, Add	7.06	
			For 5 In 12 Slope, Add	18.82	
			For 6 In 12 Slope, Add	35.29	
			For 7 In 12 Slope, Add	47.05	
			For 8 In 12 Slope, Add	56.46	
06 17 53 00-0022	EA		50' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	818.36	258.60
			For Up To 15, Add	22.59	
			For >35, Deduct	-15.06	
			For 3 In 12 Slope, Add	9.03	
			For 5 In 12 Slope, Add	24.09	
			For 6 In 12 Slope, Add	45.17	
			For 7 In 12 Slope, Add	60.23	
			For 8 In 12 Slope, Add	72.28	
06 17 53 00-0023	EA		52' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	786.56	232.57
			For Up To 15, Add	20.20	
			For >35, Deduct	-13.47	
			For 3 In 12 Slope, Add	8.08	
			For 5 In 12 Slope, Add	21.55	
			For 6 In 12 Slope, Add	40.40	
			For 7 In 12 Slope, Add	53.87	
			For 8 In 12 Slope, Add	64.64	
06 17 53 00-0024	EA		54' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	825.42	271.54
			For Up To 15, Add	21.18	
			For >35, Deduct	-14.12	
			For 3 In 12 Slope, Add	8.47	
			For 5 In 12 Slope, Add	22.59	
			For 6 In 12 Slope, Add	42.35	
			For 7 In 12 Slope, Add	56.47	
			For 8 In 12 Slope, Add	67.77	
06 17 53 00-0025	EA		56' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	856.53	251.71
			For Up To 15, Add	22.22	
			For >35, Deduct	-14.81	
			For 3 In 12 Slope, Add	8.89	
			For 5 In 12 Slope, Add	23.70	
			For 6 In 12 Slope, Add	44.43	
			For 7 In 12 Slope, Add	59.25	
			For 8 In 12 Slope, Add	71.10	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 17 53 00-0026	EA	58' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	881.61	284.46
		<i>For Up To 15, Add</i>	23.45	
		<i>For &gt;35, Deduct</i>	-15.63	
		<i>For 3 In 12 Slope, Add</i>	9.38	
		<i>For 5 In 12 Slope, Add</i>	25.01	
		<i>For 6 In 12 Slope, Add</i>	46.90	
		<i>For 7 In 12 Slope, Add</i>	62.54	
		<i>For 8 In 12 Slope, Add</i>	75.04	
06 17 53 00-0027	EA	60' Pre-Assembled Wood Roof Truss, 4 In 12 Slope.....	898.69	288.78
		<i>For Up To 15, Add</i>	24.09	
		<i>For &gt;35, Deduct</i>	-16.06	
		<i>For 3 In 12 Slope, Add</i>	9.63	
		<i>For 5 In 12 Slope, Add</i>	25.69	
		<i>For 6 In 12 Slope, Add</i>	48.17	
		<i>For 7 In 12 Slope, Add</i>	64.23	
		<i>For 8 In 12 Slope, Add</i>	77.08	

**06 17 53 00-0028 Pre-Assembled Wood Gable End Roof Trusses** (06 17 53)

Note: 24" on center gable studs. Includes 2" x 4" top and bottom chords up to 42' and with 2" x 6" top and bottom chords &gt;42'.

06 17 53 00-0029	EA	10' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	221.06	90.51
		<i>For 3 In 12 Slope, Add</i>	1.20	
		<i>For 5 In 12 Slope, Add</i>	3.20	
		<i>For 6 In 12 Slope, Add</i>	6.01	
		<i>For 7 In 12 Slope, Add</i>	8.01	
		<i>For 8 In 12 Slope, Add</i>	9.61	
		<i>For 16" On Center Gable Studs, Add</i>	8.01	
06 17 53 00-0030	EA	12' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	245.02	99.13
		<i>For 3 In 12 Slope, Add</i>	1.40	
		<i>For 5 In 12 Slope, Add</i>	3.74	
		<i>For 6 In 12 Slope, Add</i>	7.01	
		<i>For 7 In 12 Slope, Add</i>	9.35	
		<i>For 8 In 12 Slope, Add</i>	11.22	
		<i>For 16" On Center Gable Studs, Add</i>	9.35	
06 17 53 00-0031	EA	14' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	271.77	107.75
		<i>For 3 In 12 Slope, Add</i>	1.69	
		<i>For 5 In 12 Slope, Add</i>	4.50	
		<i>For 6 In 12 Slope, Add</i>	8.44	
		<i>For 7 In 12 Slope, Add</i>	11.25	
		<i>For 8 In 12 Slope, Add</i>	13.50	
		<i>For 16" On Center Gable Studs, Add</i>	11.25	
06 17 53 00-0032	EA	16' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	305.86	116.37
		<i>For 3 In 12 Slope, Add</i>	2.19	
		<i>For 5 In 12 Slope, Add</i>	5.85	
		<i>For 6 In 12 Slope, Add</i>	10.97	
		<i>For 7 In 12 Slope, Add</i>	14.62	
		<i>For 8 In 12 Slope, Add</i>	17.55	
		<i>For 16" On Center Gable Studs, Add</i>	14.62	
06 17 53 00-0033	EA	18' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	335.73	124.99
		<i>For 3 In 12 Slope, Add</i>	2.57	
		<i>For 5 In 12 Slope, Add</i>	6.86	
		<i>For 6 In 12 Slope, Add</i>	12.86	
		<i>For 7 In 12 Slope, Add</i>	17.15	
		<i>For 8 In 12 Slope, Add</i>	20.58	
		<i>For 16" On Center Gable Studs, Add</i>	17.15	
06 17 53 00-0034	EA	20' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	366.07	137.92
		<i>For 3 In 12 Slope, Add</i>	2.71	
		<i>For 5 In 12 Slope, Add</i>	7.22	
		<i>For 6 In 12 Slope, Add</i>	13.53	
		<i>For 7 In 12 Slope, Add</i>	18.05	
		<i>For 8 In 12 Slope, Add</i>	21.66	
		<i>For 16" On Center Gable Studs, Add</i>	18.05	
06 17 53 00-0035	EA	22' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	385.93	146.54
		<i>For 3 In 12 Slope, Add</i>	2.79	
		<i>For 5 In 12 Slope, Add</i>	7.43	
		<i>For 6 In 12 Slope, Add</i>	13.93	
		<i>For 7 In 12 Slope, Add</i>	18.57	
		<i>For 8 In 12 Slope, Add</i>	22.28	
		<i>For 16" On Center Gable Studs, Add</i>	18.57	
06 17 53 00-0036	EA	24' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	411.04	155.16
		<i>For 3 In 12 Slope, Add</i>	3.02	
		<i>For 5 In 12 Slope, Add</i>	8.06	
		<i>For 6 In 12 Slope, Add</i>	15.11	
		<i>For 7 In 12 Slope, Add</i>	20.14	
		<i>For 8 In 12 Slope, Add</i>	24.17	
		<i>For 16" On Center Gable Studs, Add</i>	20.14	
06 17 53 00-0037	EA	26' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	437.00	163.78
		<i>For 3 In 12 Slope, Add</i>	3.28	
		<i>For 5 In 12 Slope, Add</i>	8.76	
		<i>For 6 In 12 Slope, Add</i>	16.42	
		<i>For 7 In 12 Slope, Add</i>	21.89	
		<i>For 8 In 12 Slope, Add</i>	26.27	
		<i>For 16" On Center Gable Studs, Add</i>	21.89	
06 17 53 00-0038	EA	28' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	464.13	172.40
		<i>For 3 In 12 Slope, Add</i>	3.58	
		<i>For 5 In 12 Slope, Add</i>	9.55	
		<i>For 6 In 12 Slope, Add</i>	17.90	
		<i>For 7 In 12 Slope, Add</i>	23.86	
		<i>For 8 In 12 Slope, Add</i>	28.64	
		<i>For 16" On Center Gable Studs, Add</i>	23.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 17 53 00-0039	EA		30' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	486.20	181.02
			For 3 In 12 Slope, Add	3.72	
			For 5 In 12 Slope, Add	9.93	
			For 6 In 12 Slope, Add	18.62	
			For 7 In 12 Slope, Add	24.83	
			For 8 In 12 Slope, Add	29.80	
			For 16" On Center Gable Studs, Add	24.83	
06 17 53 00-0040	EA		32' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	507.23	185.34
			For 3 In 12 Slope, Add	4.10	
			For 5 In 12 Slope, Add	10.93	
			For 6 In 12 Slope, Add	20.49	
			For 7 In 12 Slope, Add	27.31	
			For 8 In 12 Slope, Add	32.78	
			For 16" On Center Gable Studs, Add	27.31	
06 17 53 00-0041	EA		34' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	551.63	193.95
			For 3 In 12 Slope, Add	4.91	
			For 5 In 12 Slope, Add	13.10	
			For 6 In 12 Slope, Add	24.56	
			For 7 In 12 Slope, Add	32.75	
			For 8 In 12 Slope, Add	39.30	
			For 16" On Center Gable Studs, Add	32.75	
06 17 53 00-0042	EA		36' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	573.17	198.26
			For 3 In 12 Slope, Add	5.30	
			For 5 In 12 Slope, Add	14.13	
			For 6 In 12 Slope, Add	26.50	
			For 7 In 12 Slope, Add	35.33	
			For 8 In 12 Slope, Add	42.39	
			For 16" On Center Gable Studs, Add	35.33	
06 17 53 00-0043	EA		38' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	602.46	206.88
			For 3 In 12 Slope, Add	5.66	
			For 5 In 12 Slope, Add	15.10	
			For 6 In 12 Slope, Add	28.30	
			For 7 In 12 Slope, Add	37.74	
			For 8 In 12 Slope, Add	45.29	
			For 16" On Center Gable Studs, Add	37.74	
06 17 53 00-0044	EA		40' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	635.89	215.50
			For 3 In 12 Slope, Add	6.15	
			For 5 In 12 Slope, Add	16.39	
			For 6 In 12 Slope, Add	30.73	
			For 7 In 12 Slope, Add	40.98	
			For 8 In 12 Slope, Add	49.17	
			For 16" On Center Gable Studs, Add	40.98	
06 17 53 00-0045	EA		42' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	696.45	224.12
			For 3 In 12 Slope, Add	7.45	
			For 5 In 12 Slope, Add	19.86	
			For 6 In 12 Slope, Add	37.23	
			For 7 In 12 Slope, Add	49.64	
			For 8 In 12 Slope, Add	59.57	
			For 16" On Center Gable Studs, Add	49.64	
06 17 53 00-0046	EA		44' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	755.83	232.74
			For 3 In 12 Slope, Add	8.71	
			For 5 In 12 Slope, Add	23.23	
			For 6 In 12 Slope, Add	43.55	
			For 7 In 12 Slope, Add	58.07	
			For 8 In 12 Slope, Add	69.68	
			For 16" On Center Gable Studs, Add	58.07	
06 17 53 00-0047	EA		46' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	782.43	241.36
			For 3 In 12 Slope, Add	8.99	
			For 5 In 12 Slope, Add	23.98	
			For 6 In 12 Slope, Add	44.96	
			For 7 In 12 Slope, Add	59.94	
			For 8 In 12 Slope, Add	71.93	
			For 16" On Center Gable Studs, Add	59.94	
06 17 53 00-0048	EA		48' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	820.32	249.98
			For 3 In 12 Slope, Add	9.61	
			For 5 In 12 Slope, Add	25.63	
			For 6 In 12 Slope, Add	48.05	
			For 7 In 12 Slope, Add	64.07	
			For 8 In 12 Slope, Add	76.88	
			For 16" On Center Gable Studs, Add	64.07	
06 17 53 00-0049	EA		50' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	884.81	258.60
			For 3 In 12 Slope, Add	11.03	
			For 5 In 12 Slope, Add	29.41	
			For 6 In 12 Slope, Add	55.14	
			For 7 In 12 Slope, Add	73.52	
			For 8 In 12 Slope, Add	88.22	
			For 16" On Center Gable Studs, Add	73.52	
06 17 53 00-0050	EA		52' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	906.95	267.22
			For 3 In 12 Slope, Add	11.18	
			For 5 In 12 Slope, Add	29.80	
			For 6 In 12 Slope, Add	55.88	
			For 7 In 12 Slope, Add	74.50	
			For 8 In 12 Slope, Add	89.40	
			For 16" On Center Gable Studs, Add	74.50	
06 17 53 00-0051	EA		54' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	933.56	271.54
			For 3 In 12 Slope, Add	11.72	
			For 5 In 12 Slope, Add	31.24	
			For 6 In 12 Slope, Add	58.58	
			For 7 In 12 Slope, Add	78.10	
			For 8 In 12 Slope, Add	93.72	
			For 16" On Center Gable Studs, Add	78.10	

**06 Wood, Plastics, and Composites****06 10 Rough Carpentry****06 17 Shop-Fabricated Structural Wood**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 17 53 00-0052	EA	56' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	969.98	280.15
		<i>For 3 In 12 Slope, Add</i>	12.29	
		<i>For 5 In 12 Slope, Add</i>	32.77	
		<i>For 6 In 12 Slope, Add</i>	61.45	
		<i>For 7 In 12 Slope, Add</i>	81.94	
		<i>For 8 In 12 Slope, Add</i>	98.32	
		<i>For 16" On Center Gable Studs, Add</i>	81.94	
06 17 53 00-0053	EA	58' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,001.35	284.46
		<i>For 3 In 12 Slope, Add</i>	12.97	
		<i>For 5 In 12 Slope, Add</i>	34.59	
		<i>For 6 In 12 Slope, Add</i>	64.86	
		<i>For 7 In 12 Slope, Add</i>	86.48	
		<i>For 8 In 12 Slope, Add</i>	103.78	
		<i>For 16" On Center Gable Studs, Add</i>	86.48	
06 17 53 00-0054	EA	60' Pre-Assembled Wood Gable End Roof Truss, 4 In 12 Slope.....	1,021.69	288.78
		<i>For 3 In 12 Slope, Add</i>	13.32	
		<i>For 5 In 12 Slope, Add</i>	35.53	
		<i>For 6 In 12 Slope, Add</i>	66.62	
		<i>For 7 In 12 Slope, Add</i>	88.83	
		<i>For 8 In 12 Slope, Add</i>	106.60	
		<i>For 16" On Center Gable Studs, Add</i>	88.83	

**06 18 Glued-Laminated Construction** (06 10)**06 18 13 Glued-Laminated Beams** (06 18)**06 18 13 00-0001 Glue Laminated Straight Beams** (06 18 13)

Note: Based on southern yellow pine or hemlock lumber with waterproof glue and factor applied sealer.

06 18 13 00-0002	LF	3-1/2" x 6" Glue Laminated Straight Beam .....	10.16	3.71
06 18 13 00-0003	LF	3-1/2" x 7-1/2" Glue Laminated Straight Beam .....	12.69	4.63
06 18 13 00-0004	LF	3-1/2" x 9" Glue Laminated Straight Beam .....	15.24	5.56
06 18 13 00-0005	LF	3-1/2" x 9-1/2" Glue Laminated Straight Beam .....	16.06	5.87
06 18 13 00-0006	LF	3-1/2" x 10-1/2" Glue Laminated Straight Beam .....	17.75	6.49
06 18 13 00-0007	LF	3-1/2" x 12" Glue Laminated Straight Beam .....	20.29	7.41
06 18 13 00-0008	LF	3-1/2" x 13-1/2" Glue Laminated Straight Beam .....	22.84	8.35
06 18 13 00-0009	LF	3-1/2" x 14" Glue Laminated Straight Beam .....	23.69	8.66
06 18 13 00-0010	LF	3-1/2" x 15" Glue Laminated Straight Beam .....	25.38	9.28
06 18 13 00-0011	LF	3-1/2" x 16" Glue Laminated Straight Beam .....	27.06	9.90
06 18 13 00-0012	LF	3-1/2" x 16-1/2" Glue Laminated Straight Beam .....	27.92	10.22
06 18 13 00-0013	LF	3-1/2" x 18" Glue Laminated Straight Beam .....	30.44	11.14
06 18 13 00-0014	LF	3-1/2" x 19-1/2" Glue Laminated Straight Beam .....	32.99	12.07
06 18 13 00-0015	LF	3-1/2" x 21" Glue Laminated Straight Beam .....	35.52	13.00
06 18 13 00-0016	LF	3-1/2" x 22.5" Glue Laminated Straight Beam .....	38.07	13.92
06 18 13 00-0017	LF	5-1/2" x 6" Glue Laminated Straight Beam .....	15.95	5.83
06 18 13 00-0018	LF	5-1/2" x 7-1/2" Glue Laminated Straight Beam .....	19.94	7.30
06 18 13 00-0019	LF	5-1/2" x 9" Glue Laminated Straight Beam .....	23.93	8.75
06 18 13 00-0020	LF	5-1/2" x 9-1/2" Glue Laminated Straight Beam .....	25.25	9.25
06 18 13 00-0021	LF	5-1/2" x 10-1/2" Glue Laminated Straight Beam .....	27.92	10.22
06 18 13 00-0022	LF	5-1/2" x 12" Glue Laminated Straight Beam .....	31.90	11.67
06 18 13 00-0023	LF	5-1/2" x 13-1/2" Glue Laminated Straight Beam .....	35.89	13.13
06 18 13 00-0024	LF	5-1/2" x 14" Glue Laminated Straight Beam .....	37.22	13.61
06 18 13 00-0025	LF	5-1/2" x 15" Glue Laminated Straight Beam .....	39.87	14.58
06 18 13 00-0026	LF	5-1/2" x 16" Glue Laminated Straight Beam .....	42.52	15.55
06 18 13 00-0027	LF	5-1/2" x 16-1/2" Glue Laminated Straight Beam .....	43.86	16.05
06 18 13 00-0028	LF	5-1/2" x 18" Glue Laminated Straight Beam .....	47.84	17.50
06 18 13 00-0029	LF	5-1/2" x 19-1/2" Glue Laminated Straight Beam .....	51.84	18.97
06 18 13 00-0030	LF	5-1/2" x 21" Glue Laminated Straight Beam .....	55.82	20.42
06 18 13 00-0031	LF	5-1/2" x 22.5" Glue Laminated Straight Beam .....	59.81	21.89
06 18 13 00-0032	LF	5-1/2" x 24" Glue Laminated Straight Beam .....	63.80	23.34
06 18 13 00-0033	LF	6-3/4" x 9" Glue Laminated Straight Beam .....	29.37	10.74
06 18 13 00-0034	LF	6-3/4" x 9-1/2" Glue Laminated Straight Beam .....	30.99	11.33
06 18 13 00-0035	LF	6-3/4" x 10-1/2" Glue Laminated Straight Beam .....	34.25	12.54
06 18 13 00-0036	LF	6-3/4" x 12" Glue Laminated Straight Beam .....	39.15	14.31
06 18 13 00-0037	LF	6-3/4" x 13-1/2" Glue Laminated Straight Beam .....	44.05	16.11
06 18 13 00-0038	LF	6-3/4" x 14" Glue Laminated Straight Beam .....	45.67	16.70
06 18 13 00-0039	LF	6-3/4" x 15" Glue Laminated Straight Beam .....	48.94	17.91
06 18 13 00-0040	LF	6-3/4" x 16" Glue Laminated Straight Beam .....	52.20	19.08
06 18 13 00-0041	LF	6-3/4" x 16-1/2" Glue Laminated Straight Beam .....	53.83	19.69
06 18 13 00-0042	LF	6-3/4" x 18" Glue Laminated Straight Beam .....	58.71	21.48
06 18 13 00-0043	LF	6-3/4" x 19-1/2" Glue Laminated Straight Beam .....	63.62	23.27
06 18 13 00-0044	LF	6-3/4" x 21" Glue Laminated Straight Beam .....	68.51	25.06
06 18 13 00-0045	LF	6-3/4" x 22.5" Glue Laminated Straight Beam .....	73.39	26.85
06 18 13 00-0046	LF	6-3/4" x 24" Glue Laminated Straight Beam .....	78.29	28.64
06 18 13 00-0047	LF	8-3/4" x 9" Glue Laminated Straight Beam .....	38.07	13.92
06 18 13 00-0048	LF	8-3/4" x 9-1/2" Glue Laminated Straight Beam .....	40.17	14.69
06 18 13 00-0049	LF	8-3/4" x 10-1/2" Glue Laminated Straight Beam .....	44.40	16.25
06 18 13 00-0050	LF	8-3/4" x 12" Glue Laminated Straight Beam .....	50.74	18.57
06 18 13 00-0051	LF	8-3/4" x 13-1/2" Glue Laminated Straight Beam .....	57.11	20.88
06 18 13 00-0052	LF	8-3/4" x 14" Glue Laminated Straight Beam .....	59.20	21.66
06 18 13 00-0053	LF	8-3/4" x 15" Glue Laminated Straight Beam .....	63.42	23.20
06 18 13 00-0054	LF	8-3/4" x 16" Glue Laminated Straight Beam .....	67.65	24.76
06 18 13 00-0055	LF	8-3/4" x 16-1/2" Glue Laminated Straight Beam .....	69.79	25.51
06 18 13 00-0056	LF	8-3/4" x 18" Glue Laminated Straight Beam .....	76.12	27.84
06 18 13 00-0057	LF	8-3/4" x 19-1/2" Glue Laminated Straight Beam .....	82.47	30.16
06 18 13 00-0058	LF	8-3/4" x 21" Glue Laminated Straight Beam .....	88.81	32.49
06 18 13 00-0059	LF	8-3/4" x 22.5" Glue Laminated Straight Beam .....	95.15	34.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 18 13 00-0060	LF		8-3/4" x 24" Glue Laminated Straight Beam .....	101.49	37.13
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**06 18 13 00-0061 Glue Laminated Decking** (06 18 13)

06 18 13 00-0062	LF		2" - 4" Thick x 4" Wide Glue Laminated Decking .....	5.24	2.35
06 18 13 00-0063	LF		2" - 4" Thick x 6" Wide Glue Laminated Decking .....	5.43	2.35
06 18 13 00-0064	LF		2" - 4" Thick x 8" Wide Glue Laminated Decking .....	5.61	2.22

**06 18 16 Glued-Laminated Columns** (06 18)

**06 18 16 00-0001 Glue Laminated Structural Units** (06 18 16)

Note: Based on southern yellow pine or hemlock lumber in 2" laminations with waterproof glue and factor applied sealer.

06 18 16 00-0002	LF		3-1/4" x 7-1/2" Glue Laminated Purlin Or Column .....	14.76	4.82
06 18 16 00-0003	LF		3-1/4" x 9-1/4" Glue Laminated Purlin Or Column .....	16.62	5.34
06 18 16 00-0004	LF		5-1/4" x 9-1/4" Glue Laminated Purlin Or Column .....	31.76	11.41
06 18 16 00-0005	LF		5-1/4" x 13" Glue Laminated Purlin Or Column .....	34.69	11.96

**06 20 Finish Carpentry** (06)

**06 22 Millwork** (06 20)

**06 22 13 Standard Pattern Wood Trim** (06 22)

**06 22 13 00-0001 Pine Moldings (All Dimensions Are Nominal)** (06 22 13)

06 22 13 00-0002	LF		1/4" x 1-1/4" Wood Lattice Strip .....	3.66	1.37
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.51	
06 22 13 00-0003	LF		1/4" x 1-5/8" Wood Lattice Strip .....	3.83	1.09
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.51	
06 22 13 00-0004	LF		1/4" x 2-1/2" Wood Lattice Strip .....	4.77	1.09
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.51	
06 22 13 00-0005	LF		1/4" x 3-1/2" Wood Lattice Strip .....	5.32	1.09
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.51	

**06 22 13 00-0006 Ceilings (All Dimensions Are Nominal)** (06 22 13)

**06 22 13 00-0007 White Pine** (06 22 13 00-0006)

06 22 13 00-0008	LF		9/16" x 3-5/8" White Pine Crown Or Bed Molding .....	16.69	4.79
			<i>For Birch, Add</i>	3.55	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	5.12	
			<i>For Poplar, Add</i>	1.97	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.57	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.28	
06 22 13 00-0009	LF		1 1/16" x 4-5/8" White Pine Crown Or Bed Molding .....	22.27	5.75
			<i>For Birch, Add</i>	5.07	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	7.15	
			<i>For Poplar, Add</i>	2.81	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.89	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.83	
06 22 13 00-0010	LF		3/4" x 3/4" White Pine Crown Or Bed Molding .....	8.40	3.28
			<i>For Birch, Add</i>	1.06	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.87	
			<i>For Poplar, Add</i>	0.59	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.38	
06 22 13 00-0011	LF		9/16" x 1-5/8" White Pine Crown Or Bed Molding .....	9.46	3.28
			<i>For Birch, Add</i>	1.44	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.35	
			<i>For Poplar, Add</i>	0.80	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.52	
06 22 13 00-0012	LF		9/16" x 2-1/4" White Pine Crown Or Bed Molding .....	12.38	4.10
			<i>For Birch, Add</i>	2.00	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.18	
			<i>For Poplar, Add</i>	1.11	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.57	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.72	
06 22 13 00-0013	LF		3/4" x 3-1/2" White Pine Crown Or Bed Molding .....	14.14	4.10
			<i>For Birch, Add</i>	2.63	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.97	
			<i>For Poplar, Add</i>	1.46	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.57	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.95	
06 22 13 00-0014	LF		5/8" x 4-1/4" White Pine Crown Or Bed Molding .....	17.54	4.92
			<i>For Birch, Add</i>	3.36	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	5.02	
			<i>For Poplar, Add</i>	1.87	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.89	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	1.21	
06 22 13 00-0015	LF		1" x 2" White Pine Dentil Molding .....	8.67	3.83
			<i>For Birch, Add</i>	1.16	
			<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.99	
			<i>For Poplar, Add</i>	0.64	
			<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.26	
			<i>For Stain Grade Material (No Finger Joints), Add</i>	0.42	

**06 Wood, Plastics, and Composites****06 20 Finish Carpentry****06 22 Millwork**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

06 22 13 00-0016	LF	9/16" x 1-3/4" White Pine Cove Molding	7.26	2.87
		<i>For Birch, Add</i>	1.14	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.83	
		<i>For Poplar, Add</i>	0.63	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.94	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.41	
06 22 13 00-0017	LF	11/16" x 2-3/4" White Pine Cove Molding	10.64	2.87
		<i>For Birch, Add</i>	2.35	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	3.35	
		<i>For Poplar, Add</i>	1.31	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.94	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.85	
06 22 13 00-0018	LF	3/8" x 3/8" White Pine Cove Molding	4.33	1.64
		<i>For Birch, Add</i>	0.54	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	0.95	
		<i>For Poplar, Add</i>	0.30	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.19	
06 22 13 00-0019	LF	1/2" x 1/2" White Pine Cove Molding	4.71	1.64
		<i>For Birch, Add</i>	0.67	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.13	
		<i>For Poplar, Add</i>	0.37	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.65	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.24	
06 22 13 00-0020	LF	5/8" x 5/8" White Pine Cove Molding	6.25	2.05
		<i>For Birch, Add</i>	1.02	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.62	
		<i>For Poplar, Add</i>	0.57	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.37	
06 22 13 00-0021	LF	3/4" x 3/4" White Pine Cove Molding	6.25	2.05
		<i>For Birch, Add</i>	1.02	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	1.62	
		<i>For Poplar, Add</i>	0.57	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.37	
06 22 13 00-0022	LF	15/16" x 15/16" White Pine Cove Molding	7.96	2.05
		<i>For Birch, Add</i>	1.63	
		<i>For Mahogany, Oak, Maple Or Walnut, Add</i>	2.39	
		<i>For Poplar, Add</i>	0.91	
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	0.79	
		<i>For Stain Grade Material (No Finger Joints), Add</i>	0.59	
06 22 13 00-0023		<b>Closet Poles</b> <small>(06 22 13)</small>		
06 22 13 00-0024	LF	1-1/8" Diameter Pine Closet Poles	12.76	3.56
06 22 13 00-0025	LF	1-5/8" Diameter Pine Closet Poles	15.29	3.56
06 22 13 00-0026	LF	2" Diameter Pine Closet Poles	20.50	3.96

**06 40 Architectural Woodwork** (06)**06 41 Architectural Wood Casework** (06 40)**06 41 13 Wood-Veneer-Faced Architectural Cabinets** (06 41)**06 41 13 00-0001 Removal And Reinstallation Of Cabinet Or Counters** (06 41 13)

Note: Includes storage, cleaning and supply materials. Any height or width.

06 41 13 00-0002	LF	Remove And Reinstall Base Cabinets	104.62	
06 41 13 00-0003	LF	Removal And Reinstallation Of Wall Cabinets	90.98	
06 41 13 00-0004	LF	Removal And Reinstallation Of Plastic Laminated Countertops	21.44	

**06 41 13 00-0005 Wood-Veneer Faced Wall And Base Cabinets** (06 41 13)

Note: Kitchen cabinets are constructed of 3/8" and 1/2" thick laminated particleboard with corner braces. Shelves are 3/4" laminated particleboard. The face frame is 3/4" x 1-1/2" solid wood. Hinges are 6 way adjustable, fully concealed steel. Drawers are 1/2" thick laminated particleboard boxes with 3/8" laminated particleboard bottoms. Drawer guides are side mounted, epoxy coated double rails. Excludes door or drawer pull hardware.

**06 41 13 00-0006 Solid Maple Face Frame And Door, Wall And Base Cabinets** (06 41 13 00-0005)**06 41 13 00-0007 Base Cabinets, 35" High, 23-3/4" Deep** (06 41 13 00-0006)

06 41 13 00-0008	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	478.06	27.35
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0009	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	508.76	34.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0010	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	532.00	41.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0011	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet	559.84	47.86
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0012	EA		24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	637.60	54.70
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0013	EA		27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	666.70	61.54
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0014	EA		30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	721.39	68.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0015	EA		33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	760.04	75.21
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0016	EA		36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	783.65	82.05
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0017	EA		48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Maple Face Frame, Door and Drawer Front, Base Cabinet.....	894.23	109.40
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0018	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	991.74	68.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0019	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,101.07	82.05
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0020	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,041.22	68.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0021	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,162.62	82.05
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0022	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	485.30	27.35
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0023	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	496.69	34.19
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0024	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	542.87	41.03
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0025	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	577.94	47.86
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0026	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	602.60	54.70
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0027	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	632.91	61.54
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0028	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,038.80	68.38
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0029	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,095.55	75.21
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0030	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	1,151.76	82.05
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0031	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	596.33	27.35
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0032	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	608.93	34.19
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0033	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet.....	661.14	41.03
			<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
			<i>For All Plywood Box Construction, Add</i>	148.45	



**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 41 13 00-0034	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	703.46	47.86
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0035	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	740.19	54.70
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0036	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	777.74	61.54
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0037	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,089.49	68.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0038	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,152.28	75.21
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0039	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Maple Face Frame and Drawer Fronts, Base Cabinet	1,216.93	82.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	

**06 41 13 00-0040 Wall Cabinet, 12" High, 12" Deep (06 41 13 00-0006)**

06 41 13 00-0041	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	428.58	68.38
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0042	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	457.41	75.21
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0043	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	504.32	82.05
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0044	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Maple Face Frame and Doors, Wall Cabinet	538.12	88.89
		<i>For All Plywood Box Construction, Add</i>	79.66	

**06 41 13 00-0045 Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0006)**

06 41 13 00-0046	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	363.53	27.35
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0047	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	372.31	34.19
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0048	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	390.73	41.03
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0049	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	400.70	47.86
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0050	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	411.89	54.70
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0051	EA	30" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	431.52	68.38
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0052	EA	33" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	462.00	75.21
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0053	EA	36" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	504.32	82.05
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0054	EA	39" Wide, 14" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	538.12	88.89
		<i>For All Plywood Box Construction, Add</i>	79.66	

**06 41 13 00-0055 Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0006)**

06 41 13 00-0056	EA	12" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	378.01	27.35
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0057	EA	15" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	397.65	34.19
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0058	EA	18" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	412.45	41.03
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0059	EA	21" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	428.46	47.86
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0060	EA	24" Wide, 18" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	450.51	54.70
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0061	EA	27" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	476.02	61.57
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0062	EA	30" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	499.10	68.38
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0063	EA	33" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	517.52	75.21
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0064	EA	36" Wide, 18" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet	528.46	82.05
		<i>For All Plywood Box Construction, Add</i>	79.66	

**06 41 13 00-0065 Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0006)**

06 41 13 00-0066	EA	12" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	410.84	27.35
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0067	EA	15" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	447.42	34.19
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0068	EA	18" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	477.62	41.03
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0069	EA	21" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet	514.15	47.86
		<i>For All Plywood Box Construction, Add</i>	79.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0070	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	549.52 79.66	54.70
06 41 13 00-0071	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	602.76 79.66	61.57
06 41 13 00-0072	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	617.41 79.66	68.38
06 41 13 00-0073	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	673.45 79.66	75.21
06 41 13 00-0074	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	693.29 79.66	82.05
<b>06 41 13 00-0075 Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0006)</b>					
06 41 13 00-0076	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	462.74 79.66	27.35
06 41 13 00-0077	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	501.73 79.66	34.19
06 41 13 00-0078	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	535.55 79.66	41.03
06 41 13 00-0079	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	574.50 79.66	47.86
06 41 13 00-0080	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	673.83 79.66	54.70
06 41 13 00-0081	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	677.59 79.66	61.57
06 41 13 00-0082	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	701.89 79.66	68.38
06 41 13 00-0083	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	767.59 79.66	75.21
06 41 13 00-0084	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	787.43 79.66	82.05
<b>06 41 13 00-0085 Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0006)</b>					
06 41 13 00-0086	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	517.05 79.66	27.35
06 41 13 00-0087	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	564.49 79.66	34.19
06 41 13 00-0088	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	600.73 79.66	41.03
06 41 13 00-0089	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	638.46 79.66	47.86
06 41 13 00-0090	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	695.55 79.66	54.70
06 41 13 00-0091	EA		27" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	742.76 79.66	61.57
06 41 13 00-0092	EA		30" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	781.55 79.66	68.38
06 41 13 00-0093	EA		33" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	855.69 79.66	75.21
06 41 13 00-0094	EA		36" Wide, 42" High x 12" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	881.56 79.66	82.05
<b>06 41 13 00-0095 Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0006)</b>					
06 41 13 00-0096	EA		30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	490.87 79.66	68.38
06 41 13 00-0097	EA		33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	527.11 79.66	75.21
06 41 13 00-0098	EA		36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	566.41 79.66	82.05
06 41 13 00-0099	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Maple Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	612.52 79.66	88.89
06 41 13 00-0100	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Maple Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	723.90 79.66	109.40
<b>06 41 13 00-0101 Utility Cabinets, 84" High (06 41 13 00-0006)</b>					
06 41 13 00-0102	EA		15" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	938.12 294.48	60.78
06 41 13 00-0103	EA		18" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,061.34 294.48	72.94
06 41 13 00-0104	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,193.02 294.48	571.32
06 41 13 00-0105	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,253.51 294.48	97.25
06 41 13 00-0106	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,517.94 294.48	121.56
06 41 13 00-0107	EA		36" Wide, 84" High x 12" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,751.00 294.48	145.87
06 41 13 00-0108	EA		15" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,061.23 294.48	60.78
06 41 13 00-0109	EA		18" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,173.58 294.48	72.94
06 41 13 00-0110	EA		21" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet ..... <i>For All Plywood Box Construction, Add</i>	1,340.26 294.48	85.09

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

06 41 13 00-0111	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,423.69	97.25
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0112	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	1,767.77	121.56
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0113	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Maple Face Frame and Door, Pantry Cabinet.....	2,021.34	145.87
		<i>For All Plywood Box Construction, Add</i>	294.48	

**06 41 13 00-0114 Solid Oak Face Frame And Door, Wall And Base Cabinets (06 41 13 00-0005)****06 41 13 00-0115 Base Cabinets, 35" High, 23-3/4" Deep (06 41 13 00-0114)**

06 41 13 00-0116	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	430.99	27.35
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0117	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	458.07	34.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0118	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	478.90	41.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0119	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	504.32	47.86
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0120	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	572.43	54.70
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0121	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	599.12	61.54
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0122	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	646.56	68.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0123	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	681.59	75.21
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0124	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	702.79	82.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0125	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Oak Face Frame, Door and Drawer Front, Base Cabinet.....	801.30	109.40
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0126	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	885.53	68.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0127	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	981.59	82.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0128	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	928.98	68.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0129	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	1,035.90	82.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0130	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	438.23	27.35
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0131	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	448.41	34.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0132	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	488.56	41.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0133	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	520.01	47.86
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0134	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	542.26	54.70
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0135	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	568.94	61.54
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0136	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet.....	926.56	68.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0137	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	976.07 427.24 148.45	75.21
06 41 13 00-0138	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	1,026.24 427.24 148.45	82.05
06 41 13 00-0139	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	534.78 569.66 148.45	27.35
06 41 13 00-0140	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	547.38 569.66 148.45	34.19
06 41 13 00-0141	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	593.56 569.66 148.45	41.03
06 41 13 00-0142	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	631.05 569.66 148.45	47.86
06 41 13 00-0143	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	662.95 569.66 148.45	54.70
06 41 13 00-0144	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	696.88 569.66 148.45	61.54
06 41 13 00-0145	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	971.22 569.66 148.45	68.38
06 41 13 00-0146	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	1,026.76 569.66 148.45	75.21
06 41 13 00-0147	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Oak Face Frame and Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	1,084.17 569.66 148.45	82.05
<b>06 41 13 00-0148</b>			<b>Wall Cabinets, 12" High, 12" Deep (06 41 13 00-0114)</b>		
06 41 13 00-0149	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	387.54 79.66	68.38
06 41 13 00-0150	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	412.76 79.66	75.21
06 41 13 00-0151	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	454.84 79.66	82.05
06 41 13 00-0152	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Oak Face Frame and Doors, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	485.01 79.66	88.89
<b>06 41 13 00-0153</b>			<b>Wall Cabinets, 14" High, 12" Deep (06 41 13 00-0114)</b>		
06 41 13 00-0154	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	329.73 79.66	27.35
06 41 13 00-0155	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	337.31 79.66	34.19
06 41 13 00-0156	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	353.32 79.66	41.03
06 41 13 00-0157	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	363.29 79.66	47.86
06 41 13 00-0158	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	373.27 79.66	54.70
06 41 13 00-0159	EA		30" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	390.48 79.66	68.38
06 41 13 00-0160	EA		33" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	417.35 79.66	75.21
06 41 13 00-0161	EA		36" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	454.84 79.66	82.05
06 41 13 00-0162	EA		39" Wide, 14" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	485.01 79.66	88.89
<b>06 41 13 00-0163</b>			<b>Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0114)</b>		
06 41 13 00-0164	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	341.80 79.66	27.35
06 41 13 00-0165	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	359.03 79.66	34.19
06 41 13 00-0166	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	372.63 79.66	41.03
06 41 13 00-0167	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	387.42 79.66	47.86
06 41 13 00-0168	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet..... <i>For All Plywood Box Construction, Add</i>	407.06 79.66	54.70
06 41 13 00-0169	EA		27" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	430.16 79.66	61.57
06 41 13 00-0170	EA		30" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	449.62 79.66	68.38
06 41 13 00-0171	EA		33" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	466.83 79.66	75.21
06 41 13 00-0172	EA		36" Wide, 18" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	476.56 79.66	82.05

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0173			<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0174	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	373.43	27.35
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0175	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	406.39	34.19
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0176	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	432.97	41.03
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0177	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	464.67	47.86
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0178	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	496.41	54.70
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0179	EA		27" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	543.62	61.57
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0180	EA		30" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	557.06	68.38
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0181	EA		33" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	605.87	75.21
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0182	EA		36" Wide, 30" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	624.49	82.05
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0183			<b>Wall Cabinets, 36" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0184	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	419.29	27.35
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0185	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	453.46	34.19
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0186	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	483.66	41.03
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0187	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	517.77	47.86
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0188	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	606.24	54.70
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0189	EA		27" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	608.80	61.57
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0190	EA		30" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	630.68	68.38
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0191	EA		33" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	689.14	75.21
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0192	EA		36" Wide, 36" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	706.56	82.05
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0193			<b>Wall Cabinets, 42" High, 12" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0194	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	466.36	27.35
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0195	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	508.98	34.19
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0196	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	541.59	41.03
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0197	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	574.50	47.86
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0198	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Oak Face Frame and Door, Wall Cabinet.....	625.55	54.70
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0199	EA		27" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	666.73	61.57
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0200	EA		30" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	700.68	68.38
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0201	EA		33" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	766.38	75.21
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0202	EA		36" Wide, 42" High x 12" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	789.84	82.05
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0203			<b>Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0114)		
06 41 13 00-0204	EA		30" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	443.80	68.38
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0205	EA		33" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	476.42	75.21
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0206	EA		36" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	510.89	82.05
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0207	EA		39" Wide, 12" High x 23-3/4" Deep, Double Door, Solid Oak Face Frame and Door, Wall Cabinet.....	552.18	88.89
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0208	EA		48" Wide, 12" High x 23-3/4" Deep, Triple Door, Solid Oak Face Frame and Door, Wall Cabinet.....	650.28	109.40
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0209			<b>Utility Cabinets, 84" High</b> (06 41 13 00-0114)		
06 41 13 00-0210	EA		15" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	851.23	60.78
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0211	EA		18" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	962.38	72.94
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0212	EA		21" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,080.78	571.32
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0213	EA		24" Wide, 84" High x 12" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,136.44	97.25
			<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0214	EA		30" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet.....	1,370.70	121.56
			<i>For All Plywood Box Construction, Add</i>	294.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41	13 00-0215	EA	36" Wide, 84" High x 12" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,578.41 294.48	145.87
06 41	13 00-0216	EA	15" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	959.85 294.48	60.78
06 41	13 00-0217	EA	18" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,061.34 294.48	72.94
06 41	13 00-0218	EA	21" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,209.92 294.48	85.09
06 41	13 00-0219	EA	24" Wide, 84" High x 24" Deep, Two Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,286.10 294.48	97.25
06 41	13 00-0220	EA	30" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,590.35 294.48	121.56
06 41	13 00-0221	EA	36" Wide, 84" High x 24" Deep, Four Door, Solid Oak Face Frame and Door, Pantry Cabinet..... <i>For All Plywood Box Construction, Add</i>	1,816.17 294.48	145.87
06 41	13 00-0222		<b>Solid Wood Face Frame And Thermofoil Door, Wall And Base Cabinets</b> (06 41 13 00-0005)		
06 41	13 00-0223		<b>Base Cabinets, 35" High, 23-3/4" Deep</b> (06 41 13 00-0222)		
06 41	13 00-0224	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	430.99 142.41 148.45	27.35
06 41	13 00-0225	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	458.07 142.41 148.45	34.19
06 41	13 00-0226	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	478.90 142.41 148.45	41.03
06 41	13 00-0227	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	504.32 142.41 148.45	47.86
06 41	13 00-0228	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	572.43 142.41 148.45	54.70
06 41	13 00-0229	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	599.12 142.41 148.45	61.54
06 41	13 00-0230	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	646.56 142.41 148.45	68.38
06 41	13 00-0231	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	681.59 142.41 148.45	75.21
06 41	13 00-0232	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	702.79 142.41 148.45	82.05
06 41	13 00-0233	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Thermofoil Door and Drawer Front, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	801.30 284.83 148.45	109.40
06 41	13 00-0234	EA	30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	885.53 284.83 148.45	68.38
06 41	13 00-0235	EA	36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	981.59 284.83 148.45	82.05
06 41	13 00-0236	EA	30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	928.98 427.24 148.45	68.38
06 41	13 00-0237	EA	36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,035.90 427.24 148.45	82.05
06 41	13 00-0238	EA	12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	438.23 427.24 148.45	27.35
06 41	13 00-0239	EA	15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	448.41 427.24 148.45	34.19
06 41	13 00-0240	EA	18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofoil Drawer Fronts, Base Cabinet..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	488.56 427.24 148.45	41.03

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 41 13 00-0241	EA	21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	520.01	47.86
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0242	EA	24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	542.26	54.70
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0243	EA	27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	568.94	61.54
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0244	EA	30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	926.56	68.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0245	EA	33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	976.07	75.21
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0246	EA	36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	1,026.24	82.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	427.24	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0247	EA	12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	534.78	27.35
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0248	EA	15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	547.38	34.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0249	EA	18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	593.56	41.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0250	EA	21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	631.05	47.86
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0251	EA	24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	662.95	54.70
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0252	EA	27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	696.88	61.54
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0253	EA	30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	971.22	68.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0254	EA	33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	1,026.76	75.21
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0255	EA	36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Thermofol Drawer Fronts, Base Cabinet	1,084.17	82.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	569.66	
		<i>For All Plywood Box Construction, Add</i>	148.45	

**06 41 13 00-0256 Wall Cabinets, 12" High, 12" Deep** (06 41 13 00-0222)

06 41 13 00-0257	EA	30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	387.54	68.38
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0258	EA	33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	412.76	75.21
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0259	EA	36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	454.84	82.05
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0260	EA	39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	485.01	88.89
		<i>For All Plywood Box Construction, Add</i>	79.66	

**06 41 13 00-0261 Wall Cabinets, 14" High, 12" Deep** (06 41 13 00-0222)

06 41 13 00-0262	EA	12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	329.73	27.35
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0263	EA	15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	337.31	34.19
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0264	EA	18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	353.32	41.03
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0265	EA	21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	363.29	47.86
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0266	EA	24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofol Door, Wall Cabinet	373.27	54.70
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0267	EA	30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	390.48	68.38
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0268	EA	33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofol Doors, Wall Cabinet	417.35	75.21
		<i>For All Plywood Box Construction, Add</i>	79.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0269	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	454.84 79.66	82.05
06 41 13 00-0270	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	485.01 79.66	88.89
<b>06 41 13 00-0271</b>			<b>Wall Cabinets, 18" High, 12" Deep (06 41 13 00-0222)</b>		
06 41 13 00-0272	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	341.80 79.66	27.35
06 41 13 00-0273	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	359.03 79.66	34.19
06 41 13 00-0274	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	372.63 79.66	41.03
06 41 13 00-0275	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	387.42 79.66	47.86
06 41 13 00-0276	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	407.06 79.66	54.70
06 41 13 00-0277	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	430.16 79.66	61.57
06 41 13 00-0278	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	449.62 79.66	68.38
06 41 13 00-0279	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	466.83 79.66	75.21
06 41 13 00-0280	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	476.56 79.66	82.05
<b>06 41 13 00-0281</b>			<b>Wall Cabinets, 30" High, 12" Deep (06 41 13 00-0222)</b>		
06 41 13 00-0282	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	373.43 79.66	27.35
06 41 13 00-0283	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	406.39 79.66	34.19
06 41 13 00-0284	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	432.97 79.66	41.03
06 41 13 00-0285	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	464.67 79.66	47.86
06 41 13 00-0286	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	496.41 79.66	54.70
06 41 13 00-0287	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	543.62 79.66	61.57
06 41 13 00-0288	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	557.06 79.66	68.38
06 41 13 00-0289	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	605.87 79.66	75.21
06 41 13 00-0290	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	624.49 79.66	82.05
<b>06 41 13 00-0291</b>			<b>Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0222)</b>		
06 41 13 00-0292	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	419.29 79.66	27.35
06 41 13 00-0293	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	453.46 79.66	34.19
06 41 13 00-0294	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	483.66 79.66	41.03
06 41 13 00-0295	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	517.77 79.66	47.86
06 41 13 00-0296	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	606.24 79.66	54.70
06 41 13 00-0297	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	608.80 79.66	61.57
06 41 13 00-0298	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	630.68 79.66	68.38
06 41 13 00-0299	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	689.14 79.66	75.21
06 41 13 00-0300	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	706.56 79.66	82.05
<b>06 41 13 00-0301</b>			<b>Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0222)</b>		
06 41 13 00-0302	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	466.36 79.66	27.35
06 41 13 00-0303	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	508.98 79.66	34.19
06 41 13 00-0304	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	541.59 79.66	41.03
06 41 13 00-0305	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	574.50 79.66	47.86
06 41 13 00-0306	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Thermofoil Door, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	625.55 79.66	54.70
06 41 13 00-0307	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	666.73 79.66	61.57
06 41 13 00-0308	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	700.68 79.66	68.38
06 41 13 00-0309	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet ..... <i>For All Plywood Box Construction, Add</i>	766.38 79.66	75.21

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 41 13 00-0310	EA	36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	789.84	82.05
		<i>For All Plywood Box Construction, Add</i>	79.66	
<b>06 41 13 00-0311 Wall Cabinets, 12" High, 23-3/4" Deep</b> (06 41 13 00-0222)				
06 41 13 00-0312	EA	30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	443.80	68.38
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0313	EA	33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	476.42	75.21
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0314	EA	36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	510.89	82.05
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0315	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	552.18	88.89
		<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0316	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Thermofoil Doors, Wall Cabinet	650.28	109.40
		<i>For All Plywood Box Construction, Add</i>	79.66	
<b>06 41 13 00-0317 Utility Cabinets, 84" High</b> (06 41 13 00-0222)				
06 41 13 00-0318	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	851.23	60.78
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0319	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	962.38	72.94
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0320	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,080.78	571.32
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0321	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,136.44	97.25
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0322	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,370.70	121.56
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0323	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,578.41	145.87
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0324	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	959.85	60.78
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0325	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,061.34	72.94
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0326	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,209.92	85.09
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0327	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,286.10	97.25
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0328	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,590.35	121.56
		<i>For All Plywood Box Construction, Add</i>	294.48	
06 41 13 00-0329	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Thermofoil Doors, Pantry Cabinet	1,816.17	145.87
		<i>For All Plywood Box Construction, Add</i>	294.48	
<b>06 41 13 00-0330 Solid Wood Face Frame And Decorative Laminate Veneer Door, Wall And Base Cabinets</b> (06 41 13 00-0005)				
<b>06 41 13 00-0331 Base Cabinets, 35" High, 23-3/4" Deep</b> (06 41 13 00-0330)				
06 41 13 00-0332	EA	12" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	430.99	27.35
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0333	EA	15" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	458.07	34.19
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0334	EA	18" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	478.90	41.03
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0335	EA	21" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	504.32	47.86
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0336	EA	24" Wide, 35" High x 23-3/4" Deep, Single Drawer and Single Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	572.43	54.70
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0337	EA	27" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	599.12	61.54
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0338	EA	30" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	646.56	68.38
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0339	EA	33" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	681.59	75.21
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0340	EA	36" Wide, 35" High x 23-3/4" Deep, Single Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	702.79	82.05
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	142.41	
		<i>For All Plywood Box Construction, Add</i>	148.45	
06 41 13 00-0341	EA	48" Wide, 35" High x 23-3/4" Deep, Double Drawer and Double Door, Solid Wood Face Frame, Decorative Laminate Veneer Door and Drawer Front, Base Cabinet	801.30	109.40
		<i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i>	284.83	
		<i>For All Plywood Box Construction, Add</i>	148.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0342	EA		30" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	885.53 284.83 148.45	68.38
06 41 13 00-0343	EA		36" Wide, 35" High x 23-3/4" Deep, Double Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	981.59 284.83 148.45	82.05
06 41 13 00-0344	EA		30" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	928.98 427.24 148.45	68.38
06 41 13 00-0345	EA		36" Wide, 35" High x 23-3/4" Deep, Triple Drawer with False Panel Drawer Front, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,035.90 427.24 148.45	82.05
06 41 13 00-0346	EA		12" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	438.23 427.24 148.45	27.35
06 41 13 00-0347	EA		15" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	448.41 427.24 148.45	34.19
06 41 13 00-0348	EA		18" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	488.56 427.24 148.45	41.03
06 41 13 00-0349	EA		21" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	520.01 427.24 148.45	47.86
06 41 13 00-0350	EA		24" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	542.26 427.24 148.45	54.70
06 41 13 00-0351	EA		27" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	568.94 427.24 148.45	61.54
06 41 13 00-0352	EA		30" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	926.56 427.24 148.45	68.38
06 41 13 00-0353	EA		33" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	976.07 427.24 148.45	75.21
06 41 13 00-0354	EA		36" Wide, 35" High x 23-3/4" Deep, Three Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,026.24 427.24 148.45	82.05
06 41 13 00-0355	EA		12" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	534.78 569.66 148.45	27.35
06 41 13 00-0356	EA		15" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	547.38 569.66 148.45	34.19
06 41 13 00-0357	EA		18" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	593.56 569.66 148.45	41.03
06 41 13 00-0358	EA		21" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	631.05 569.66 148.45	47.86
06 41 13 00-0359	EA		24" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	662.95 569.66 148.45	54.70
06 41 13 00-0360	EA		27" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	696.88 569.66 148.45	61.54
06 41 13 00-0361	EA		30" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	971.22 569.66 148.45	68.38
06 41 13 00-0362	EA		33" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,026.76 569.66 148.45	75.21
06 41 13 00-0363	EA		36" Wide, 35" High x 23-3/4" Deep, Four Drawer Base, Solid Wood Face Frame and Decorative Laminate Veneer Drawer Fronts, Base Cabinet ..... <i>For Solid Wood Drawers, Dovetail Joints And Full Extension Drawer Guides, Add</i> <i>For All Plywood Box Construction, Add</i>	1,084.17 569.66 148.45	82.05

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0364			<b>Wall Cabinets, 12" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0365	EA		30" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	387.54	68.38
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0366	EA		33" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	412.76	75.21
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0367	EA		36" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	454.84	82.05
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0368	EA		39" Wide, 12" High x 12" Deep, Double Door, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	485.01	88.89
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0369			<b>Wall Cabinets, 14" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0370	EA		12" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	329.73	27.35
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0371	EA		15" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	337.31	34.19
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0372	EA		18" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	353.32	41.03
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0373	EA		21" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	363.29	47.86
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0374	EA		24" Wide, 14" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	373.27	54.70
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0375	EA		30" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	390.48	68.38
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0376	EA		33" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	417.35	75.21
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0377	EA		36" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	454.84	82.05
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0378	EA		39" Wide, 14" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	485.01	88.89
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0379			<b>Wall Cabinets, 18" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0380	EA		12" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	341.80	27.35
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0381	EA		15" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	359.03	34.19
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0382	EA		18" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	372.63	41.03
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0383	EA		21" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	387.42	47.86
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0384	EA		24" Wide, 18" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	407.06	54.70
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0385	EA		27" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	430.16	61.57
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0386	EA		30" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	449.62	68.38
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0387	EA		33" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	466.83	75.21
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0388	EA		36" Wide, 18" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	476.56	82.05
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0389			<b>Wall Cabinets, 30" High, 12" Deep</b> (06 41 13 00-0330)		
06 41 13 00-0390	EA		12" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	373.43	27.35
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0391	EA		15" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	406.39	34.19
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0392	EA		18" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	432.97	41.03
			<i>For All Plywood Box Construction, Add</i> .....	79.66	
06 41 13 00-0393	EA		21" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	464.67	47.86
			<i>For All Plywood Box Construction, Add</i> .....	79.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 41 13 00-0394	EA		24" Wide, 30" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	496.41	54.70
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0395	EA		27" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	543.62	61.57
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0396	EA		30" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	557.06	68.38
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0397	EA		33" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	605.87	75.21
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0398	EA		36" Wide, 30" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	624.49	82.05
			<i>For All Plywood Box Construction, Add</i>	79.66	
<b>06 41 13 00-0399</b>			<b>Wall Cabinets, 36" High, 12" Deep (06 41 13 00-0330)</b>		
06 41 13 00-0400	EA		12" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	419.29	27.35
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0401	EA		15" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	453.46	34.19
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0402	EA		18" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	483.66	41.03
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0403	EA		21" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	517.77	47.86
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0404	EA		24" Wide, 36" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	606.24	54.70
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0405	EA		27" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	608.80	61.57
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0406	EA		30" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	630.68	68.38
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0407	EA		33" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	689.14	75.21
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0408	EA		36" Wide, 36" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	706.56	82.05
			<i>For All Plywood Box Construction, Add</i>	79.66	
<b>06 41 13 00-0409</b>			<b>Wall Cabinets, 42" High, 12" Deep (06 41 13 00-0330)</b>		
06 41 13 00-0410	EA		12" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	466.36	27.35
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0411	EA		15" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	508.98	34.19
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0412	EA		18" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	541.59	41.03
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0413	EA		21" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	574.50	47.86
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0414	EA		24" Wide, 42" High x 12" Deep, Single Door, Solid Wood Face Frame and Decorative Laminate Veneer Door, Wall Cabinet.....	625.55	54.70
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0415	EA		27" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	666.73	61.57
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0416	EA		30" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	700.68	68.38
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0417	EA		33" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	766.38	75.21
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0418	EA		36" Wide, 42" High x 12" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	789.84	82.05
			<i>For All Plywood Box Construction, Add</i>	79.66	
<b>06 41 13 00-0419</b>			<b>Wall Cabinets, 12" High, 23-3/4" Deep (06 41 13 00-0330)</b>		
06 41 13 00-0420	EA		30" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	443.80	68.38
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0421	EA		33" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	476.42	75.21
			<i>For All Plywood Box Construction, Add</i>	79.66	
06 41 13 00-0422	EA		36" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	510.89	82.05
			<i>For All Plywood Box Construction, Add</i>	79.66	

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 41 Architectural Wood Casework**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 41 13 00-0423	EA	39" Wide, 12" High x 23-3/4" Deep, Double Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	552.18		88.89
		<i>For All Plywood Box Construction, Add</i>	79.66		
06 41 13 00-0424	EA	48" Wide, 12" High x 23-3/4" Deep, Triple Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Wall Cabinet.....	650.28		109.40
		<i>For All Plywood Box Construction, Add</i>	79.66		
<b>06 41 13 00-0425 Utility Cabinets, 84" High</b> <small>(06 41 13 00-0330)</small>					
06 41 13 00-0426	EA	15" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	851.23		60.78
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0427	EA	18" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	962.38		72.94
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0428	EA	21" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,080.78		571.32
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0429	EA	24" Wide, 84" High x 12" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,136.44		97.25
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0430	EA	30" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,370.70		121.56
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0431	EA	36" Wide, 84" High x 12" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,578.41		145.87
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0432	EA	15" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	959.85		60.78
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0433	EA	18" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,061.34		72.94
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0434	EA	21" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,209.92		85.09
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0435	EA	24" Wide, 84" High x 24" Deep, Two Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,286.10		97.25
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0436	EA	30" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,590.35		121.56
		<i>For All Plywood Box Construction, Add</i>	294.48		
06 41 13 00-0437	EA	36" Wide, 84" High x 24" Deep, Four Doors, Solid Wood Face Frame and Decorative Laminate Veneer Doors, Pantry Cabinet.....	1,816.17		145.87
		<i>For All Plywood Box Construction, Add</i>	294.48		
<b>06 41 93 Cabinet and Drawer Hardware</b> <small>(06 41)</small>					
<b>06 41 93 00-0001 Residential Cabinet Repairs</b> <small>(06 41 93)</small>					
06 41 93 00-0002	EA	Removal And Replacement Of Residential Cabinet Door.....	113.77		
		Note: Includes all hardware.			
06 41 93 00-0003	EA	Removal And Replacement Of Residential Cabinet Drawer.....	136.60		
		Note: Includes all hardware.			
06 41 93 00-0004	PR	Removal And Replacement Of Residential Drawer Guides.....	58.61		
06 41 93 00-0005	EA	Removal And Replacement Of Residential Knob/Pull.....	37.04		
06 41 93 00-0006	PR	Removal And Replacement Of Residential Hinges.....	28.86		
<b>06 42 Wood Paneling</b> <small>(06 40)</small>					
Note: Includes glue for installation.					
<b>06 42 19 Plastic-Laminate-Faced Wood Paneling</b> <small>(06 42)</small>					
<b>06 42 19 00-0001 Plastic Laminate</b> <small>(06 42 19)</small>					
Note: Standard colors and patterns.					
06 42 19 00-0002	SF	1/16" Plastic Laminate Faced Panel.....	12.30		4.79
		Note: Includes cutting to fit.			
<b>06 46 Wood Trim</b> <small>(06 40)</small>					
<b>06 46 13 Wood Door and Window Casings</b> <small>(06 46)</small>					
<b>06 46 13 00-0001 Door and Window Casings</b> <small>(06 46 13)</small>					
06 46 13 00-0002	LF	1-1/8" Wide Plain Pine Door And Window Molding.....	6.24		2.19
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 13 00-0003	LF	1-1/8" Wide Detailed Pine Door And Window Molding.....	6.29		2.19
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
06 46 13 00-0004	LF	2-1/2" Wide Pine Complete Door And Window Trim.....	7.75		2.19
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.12		
<b>06 46 19 Wood Base and Shoe Moldings</b> <small>(06 46)</small>					
<b>06 46 19 00-0001 Base And Shoe Molding</b> <small>(06 46 19)</small>					
06 46 19 00-0002	LF	1/2" x 1/2" Pine Quarter Round Trim.....	6.53		2.60
		<i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	1.31		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 46 19 00-0003	LF		3/4" x 3/4" Pine Quarter Round Trim ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i>	6.95 1.31	2.60
06 46 19 00-0004	LF		3-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	8.13 0.85 1.75 0.48 0.53	1.64
06 46 19 00-0005	LF		4-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	9.90 0.98 2.06 0.55 0.61	2.05
06 46 19 00-0006	LF		5-1/2" High White Pine Base Molding, All Dimensions Are Nominal..... <i>For Clear Birch, Add</i> <i>For Clear Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Stain Grade Material (No Finger Joints), Add</i> <i>For Clear Poplar, Add</i>	12.27 1.52 2.89 0.86 0.95	2.33
06 46 19 00-0007	LF		3/4" x 1" Oak Base Shoe .....	8.03	2.60
06 46 19 00-0008	LF		3/4" x 1" White Pine Base Shoe.....	7.79	2.60

**06 46 23 Wood Chair Rails (06 46)**

**06 46 23 00-0001 Chair Rails (06 46 23)**

06 46 23 00-0002	LF		5/8" x 2-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	9.84 1.40 2.52 0.88	2.46
06 46 23 00-0003	LF		5/8" x 3-1/2" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	12.05 2.11 3.51 1.32	2.46
06 46 23 00-0004	LF		1/2" x 1-5/8" White Pine Shaped Chair Rail..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple Or Walnut, Add</i> <i>For Poplar, Add</i>	7.30 1.02 1.85 0.64	2.46

**06 46 26 Wood Cornices (06 46)**

**06 46 26 00-0001 Wood Cornices (06 46 26)**

06 46 26 00-0002	LF		1" x 2" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	7.45 0.72 1.44 0.90	2.46
06 46 26 00-0003	LF		1" x 4" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	9.30 1.30 2.19 1.62	2.60
06 46 26 00-0004	LF		1" x 6" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	12.82 2.47 3.69 3.09	2.73
06 46 26 00-0005	LF		1" x 8" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	14.74 3.07 4.46 3.84	2.73
06 46 26 00-0006	LF		1" x 10" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	16.98 3.77 5.36 4.71	2.87
06 46 26 00-0007	LF		1" x 12" White Pine Cornices, All Dimensions Are Nominal..... <i>For Birch, Add</i> <i>For Mahogany, Oak, Maple, Or Walnut, Add</i> <i>For Poplar, Add</i>	21.73 5.36 7.39 6.71	3.14

**06 46 29 Wood Fasciae and Soffits (06 46)**

**06 46 29 00-0001 Fascia Board (06 46 29)**

**06 46 29 00-0002 Pine Fascia Board (06 46 29 00-0001)**

06 46 29 00-0003	LF		1" x 6" Pine Fascia Board .....	6.16	2.73
06 46 29 00-0004	LF		1" x 8" Pine Fascia Board .....	7.01	3.03
06 46 29 00-0005	LF		1" x 10" Pine Fascia Board .....	7.53	3.19
06 46 29 00-0006	LF		1" x 12" Pine Fascia Board .....	8.75	3.57
06 46 29 00-0007	LF		2" x 6" Pine Fascia Board .....	6.11	2.73
06 46 29 00-0008	LF		2" x 8" Pine Fascia Board .....	6.94	3.03
06 46 29 00-0009	LF		2" x 10" Pine Fascia Board .....	7.63	3.19
06 46 29 00-0010	LF		2" x 12" Pine Fascia Board .....	9.07	3.57

**06 46 29 00-0011 Cedar Fascia Board (06 46 29 00-0001)**

06 46 29 00-0012	LF		1" x 6" Cedar Fascia Board.....	6.50	2.73
06 46 29 00-0013	LF		1" x 8" Cedar Fascia Board.....	7.54	3.03
06 46 29 00-0014	LF		1" x 10" Cedar Fascia Board.....	8.53	3.19
06 46 29 00-0015	LF		1" x 12" Cedar Fascia Board.....	10.17	3.57

**06 Wood, Plastics, and Composites****06 40 Architectural Woodwork****06 46 Wood Trim**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

06 46 29 00-0016	Engineered Wood Fascia Board <small>(06 46 29 00-0001)</small>		
06 46 29 00-0017	LF 1" x 6" Engineered Wood Fascia Board.....	5.97	2.73
06 46 29 00-0018	LF 1" x 8" Engineered Wood Fascia Board.....	6.76	3.03
06 46 29 00-0019	LF 1" x 12" Engineered Wood Fascia Board.....	8.14	3.57
06 46 29 00-0020	Soffit <small>(06 46 29)</small>		
06 46 29 00-0021	Sanded Plywood Soffit <small>(06 46 29 00-0020)</small>		
06 46 29 00-0022	SF 3/8" Thick, Sanded Plywood Soffit.....	5.41	2.06
06 46 29 00-0023	SF 1/2" Thick, Sanded Plywood Soffit.....	5.92	2.17
06 46 29 00-0024	SF 5/8" Thick, Sanded Plywood Soffit.....	6.22	2.27
06 46 29 00-0025	SF 3/4" Thick, Sanded Plywood Soffit.....	6.85	2.39
06 46 29 00-0026	MDO Plywood Soffit <small>(06 46 29 00-0020)</small>		
06 46 29 00-0027	SF 3/8" Thick, MDO Plywood Soffit.....	6.00	2.06
06 46 29 00-0028	SF 1/2" Thick, MDO Plywood Soffit.....	6.67	2.17
06 46 29 00-0029	SF 3/4" Thick, MDO Plywood Soffit.....	8.31	2.39
06 46 29 00-0030	Exterior Ceiling Gypsum Board Soffit <small>(06 46 29 00-0020)</small>		
06 46 29 00-0031	SF 1/2" Thick, Exterior Ceiling Gypsum Board Soffit.....	4.36	1.80
06 46 29 00-0032	SF 5/8" Thick, Fire Rated, Exterior Ceiling Gypsum Board Soffit.....	4.69	1.90

**06 50 Structural Plastics (06)****06 51 Structural Plastic Shapes and Plates (06 50)****06 51 13 Plastic Lumber (06 51)**

06 51 13 00-0001	Beams And Girders, Recycled Plastic Lumber <small>(06 51 13)</small>		
06 51 13 00-0002	LF 2" x 6", Beam Or Girder, Recycled Plastic Lumber.....	12.32	2.21
	<i>For Reinforced Structural Plastic Lumber, Add</i>	3.39	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	0.82	
	<i>For White Color, Add</i>	3.89	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.30	
	<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.83	
06 51 13 00-0003	LF 2" x 8", Beam Or Girder, Recycled Plastic Lumber.....	15.62	2.41
	<i>For Reinforced Structural Plastic Lumber, Add</i>	4.51	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.10	
	<i>For White Color, Add</i>	5.18	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.38	
	<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.44	
06 51 13 00-0004	LF 2" x 10", Beam Or Girder, Recycled Plastic Lumber.....	18.62	2.60
	<i>For Reinforced Structural Plastic Lumber, Add</i>	5.52	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.34	
	<i>For White Color, Add</i>	6.34	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	5.37	
	<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.98	
06 51 13 00-0005	LF 3" x 10", Beam Or Girder, Recycled Plastic Lumber.....	27.00	3.08
	<i>For Reinforced Structural Plastic Lumber, Add</i>	8.37	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	2.03	
	<i>For White Color, Add</i>	9.61	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	8.14	
	<i>For Composite Wood/Plastic Lumber, Deduct</i>	-4.52	
06 51 13 00-0006	LF 3" x 12", Beam Or Girder, Recycled Plastic Lumber.....	32.28	3.46
	<i>For Reinforced Structural Plastic Lumber, Add</i>	10.11	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	2.46	
	<i>For White Color, Add</i>	11.61	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	9.84	
	<i>For Composite Wood/Plastic Lumber, Deduct</i>	-5.46	
06 51 13 00-0007	LF 4" x 4", Beam Or Girder, Recycled Plastic Lumber.....	17.72	2.99
	<i>For Reinforced Structural Plastic Lumber, Add</i>	4.98	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.21	
	<i>For White Color, Add</i>	5.72	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.84	
	<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.69	
06 51 13 00-0008	LF 4" x 6", Beam Or Girder, Recycled Plastic Lumber.....	23.63	3.18
	<i>For Reinforced Structural Plastic Lumber, Add</i>	7.07	
	<i>Note: High density polyethylene combined with fiberglass.</i>		
	<i>For Brown Color, Add</i>	1.72	
	<i>For White Color, Add</i>	8.12	
	<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.88	
	<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0009	LF	5" x 5", Beam Or Girder, Recycled Plastic Lumber.....	24.59	3.27	
		For Reinforced Structural Plastic Lumber, Add	7.37		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	1.79		
		For White Color, Add	8.47		
		For All Other Colors (Except Black, Brown Or White), Add	7.17		
		For Composite Wood/Plastic Lumber, Deduct	-3.98		
06 51 13 00-0010	LF	6" x 6", Beam Or Girder, Recycled Plastic Lumber.....	33.68	3.56	
		For Reinforced Structural Plastic Lumber, Add	10.58		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	2.57		
		For White Color, Add	12.15		
		For All Other Colors (Except Black, Brown Or White), Add	10.29		
		For Composite Wood/Plastic Lumber, Deduct	-5.72		
06 51 13 00-0011	LF	6" x 8", Beam Or Girder, Recycled Plastic Lumber.....	45.64	3.75	
		For Reinforced Structural Plastic Lumber, Add	14.90		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	3.63		
		For White Color, Add	17.12		
		For All Other Colors (Except Black, Brown Or White), Add	14.50		
		For Composite Wood/Plastic Lumber, Deduct	-8.06		
<b>06 51 13 00-0012</b>		<b>Joists, Recycled Plastic Lumber (06 51 13)</b>			
06 51 13 00-0013	LF	2" x 4", Joist, Recycled Plastic Lumber.....	7.97	1.24	
		For Reinforced Structural Plastic Lumber, Add	2.29		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	0.56		
		For White Color, Add	2.63		
		For All Other Colors (Except Black, Brown Or White), Add	2.22		
		For Composite Wood/Plastic Lumber, Deduct	-1.24		
06 51 13 00-0014	LF	2" x 6", Joist, Recycled Plastic Lumber.....	10.95	1.31	
		For Reinforced Structural Plastic Lumber, Add	3.39		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	0.82		
		For White Color, Add	3.89		
		For All Other Colors (Except Black, Brown Or White), Add	3.30		
		For Composite Wood/Plastic Lumber, Deduct	-1.83		
06 51 13 00-0015	LF	2" x 8", Joist, Recycled Plastic Lumber.....	14.23	1.44	
		For Reinforced Structural Plastic Lumber, Add	4.51		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	1.10		
		For White Color, Add	5.18		
		For All Other Colors (Except Black, Brown Or White), Add	4.38		
		For Composite Wood/Plastic Lumber, Deduct	-2.44		
06 51 13 00-0016	LF	2" x 10", Joist, Recycled Plastic Lumber.....	17.38	1.73	
		For Reinforced Structural Plastic Lumber, Add	5.52		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	1.34		
		For White Color, Add	6.34		
		For All Other Colors (Except Black, Brown Or White), Add	5.37		
		For Composite Wood/Plastic Lumber, Deduct	-2.98		
06 51 13 00-0017	LF	3" x 10", Joist, Recycled Plastic Lumber.....	25.50	2.02	
		For Reinforced Structural Plastic Lumber, Add	8.37		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	2.03		
		For White Color, Add	9.61		
		For All Other Colors (Except Black, Brown Or White), Add	8.14		
		For Composite Wood/Plastic Lumber, Deduct	-4.52		
06 51 13 00-0018	LF	3" x 12", Joist, Recycled Plastic Lumber.....	31.04	2.60	
		For Reinforced Structural Plastic Lumber, Add	10.11		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	2.46		
		For White Color, Add	11.61		
		For All Other Colors (Except Black, Brown Or White), Add	9.84		
		For Composite Wood/Plastic Lumber, Deduct	-5.46		
06 51 13 00-0019	LF	4" x 4", Joist, Recycled Plastic Lumber.....	16.06	1.83	
		For Reinforced Structural Plastic Lumber, Add	4.98		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	1.21		
		For White Color, Add	5.72		
		For All Other Colors (Except Black, Brown Or White), Add	4.84		
		For Composite Wood/Plastic Lumber, Deduct	-2.69		
06 51 13 00-0020	LF	4" x 6", Joist, Recycled Plastic Lumber.....	21.85	1.92	
		For Reinforced Structural Plastic Lumber, Add	7.07		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	1.72		
		For White Color, Add	8.12		
		For All Other Colors (Except Black, Brown Or White), Add	6.88		
		For Composite Wood/Plastic Lumber, Deduct	-3.82		
06 51 13 00-0021	LF	5" x 5", Joist, Recycled Plastic Lumber.....	22.94	2.11	
		For Reinforced Structural Plastic Lumber, Add	7.37		
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add	1.79		
		For White Color, Add	8.47		
		For All Other Colors (Except Black, Brown Or White), Add	7.17		
		For Composite Wood/Plastic Lumber, Deduct	-3.98		

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 51 13 00-0022	LF	6" x 6", Joist, Recycled Plastic Lumber.....	32.02		2.41
		<i>For Reinforced Structural Plastic Lumber, Add</i>	10.58		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	2.57		
		<i>For White Color, Add</i>	12.15		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	10.29		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-5.72		
06 51 13 00-0023	LF	6" x 8", Joist, Recycled Plastic Lumber.....	44.00		2.60
		<i>For Reinforced Structural Plastic Lumber, Add</i>	14.90		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	3.63		
		<i>For White Color, Add</i>	17.12		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	14.50		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-8.06		
<b>06 51 13 00-0024</b>		<b>Columns, Recycled Plastic Lumber</b> <small>(06 51 13)</small>			
06 51 13 00-0025	LF	4" x 4", Column, Recycled Plastic Lumber.....	19.09		3.94
		<i>For Reinforced Structural Plastic Lumber, Add</i>	4.98		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	1.21		
		<i>For White Color, Add</i>	5.72		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.84		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.69		
06 51 13 00-0026	LF	4" x 6", Column, Recycled Plastic Lumber.....	27.07		5.58
		<i>For Reinforced Structural Plastic Lumber, Add</i>	7.07		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	1.72		
		<i>For White Color, Add</i>	8.12		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	6.88		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.82		
06 51 13 00-0027	LF	5" x 5", Column, Recycled Plastic Lumber.....	28.86		6.26
		<i>For Reinforced Structural Plastic Lumber, Add</i>	7.37		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	1.79		
		<i>For White Color, Add</i>	8.47		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	7.17		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-3.98		
06 51 13 00-0028	LF	6" x 6", Column, Recycled Plastic Lumber.....	38.76		7.12
		<i>For Reinforced Structural Plastic Lumber, Add</i>	10.58		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	2.57		
		<i>For White Color, Add</i>	12.15		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	10.29		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-5.72		
06 51 13 00-0029	LF	6" x 8", Column, Recycled Plastic Lumber.....	52.79		8.76
		<i>For Reinforced Structural Plastic Lumber, Add</i>	14.90		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	3.63		
		<i>For White Color, Add</i>	17.12		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	14.50		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-8.06		
<b>06 51 13 00-0030</b>		<b>Walls, Recycled Plastic Lumber</b> <small>(06 51 13)</small>			
06 51 13 00-0031	LF	2" x 3", Walls, Recycled Plastic Lumber.....	7.19		1.24
		<i>For Reinforced Structural Plastic Lumber, Add</i>	2.00		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	0.49		
		<i>For White Color, Add</i>	2.30		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	1.94		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.08		
06 51 13 00-0032	LF	2" x 4", Walls, Recycled Plastic Lumber.....	8.24		1.44
		<i>For Reinforced Structural Plastic Lumber, Add</i>	2.29		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	0.56		
		<i>For White Color, Add</i>	2.63		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	2.22		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.24		
06 51 13 00-0033	LF	2" x 6", Walls, Recycled Plastic Lumber.....	11.35		1.54
		<i>For Reinforced Structural Plastic Lumber, Add</i>	3.39		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	0.82		
		<i>For White Color, Add</i>	3.89		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	3.30		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-1.83		
06 51 13 00-0034	LF	2" x 8", Walls, Recycled Plastic Lumber.....	14.51		1.64
		<i>For Reinforced Structural Plastic Lumber, Add</i>	4.51		
		<i>Note: High density polyethylene combined with fiberglass.</i>			
		<i>For Brown Color, Add</i>	1.10		
		<i>For White Color, Add</i>	5.18		
		<i>For All Other Colors (Except Black, Brown Or White), Add</i>	4.38		
		<i>For Composite Wood/Plastic Lumber, Deduct</i>	-2.44		
<b>06 51 13 00-0035</b>		<b>Other Shapes, Recycled Plastic Lumber</b> <small>(06 51 13)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0036	LF	5/4" x 4", Other Shapes, Recycled Plastic Lumber	.....	7.00	1.10
		For Reinforced Structural Plastic Lumber, Add		1.97	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.48	
		For White Color, Add		2.26	
		For All Other Colors (Except Black, Brown Or White), Add		1.92	
		For Composite Wood/Plastic Lumber, Deduct		-1.06	
06 51 13 00-0037	LF	5/4" x 6", Other Shapes, Recycled Plastic Lumber	.....	8.84	1.24
		For Reinforced Structural Plastic Lumber, Add		2.61	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.63	
		For White Color, Add		3.00	
		For All Other Colors (Except Black, Brown Or White), Add		2.54	
		For Composite Wood/Plastic Lumber, Deduct		-1.41	
06 51 13 00-0038	LF	5/4" x 8", Recycled Plastic Lumber	.....	11.48	1.24
		For Reinforced Structural Plastic Lumber, Add		3.59	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.87	
		For White Color, Add		4.12	
		For All Other Colors (Except Black, Brown Or White), Add		3.49	
		For Composite Wood/Plastic Lumber, Deduct		-1.94	
06 51 13 00-0039	LF	1" x 4", Other Shapes, Recycled Plastic Lumber	.....	7.04	1.10
		For Reinforced Structural Plastic Lumber, Add		1.98	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.48	
		For White Color, Add		2.28	
		For All Other Colors (Except Black, Brown Or White), Add		1.93	
		For Composite Wood/Plastic Lumber, Deduct		-1.07	
06 51 13 00-0040	LF	1" x 6", Other Shapes, Recycled Plastic Lumber	.....	7.77	1.24
		For Reinforced Structural Plastic Lumber, Add		2.21	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.54	
		For White Color, Add		2.54	
		For All Other Colors (Except Black, Brown Or White), Add		2.15	
		For Composite Wood/Plastic Lumber, Deduct		-1.20	
06 51 13 00-0041	LF	1" x 6", Tongue And Grooved, Other Shapes, Recycled Plastic Lumber	.....	7.91	1.24
		For Reinforced Structural Plastic Lumber, Add		2.26	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.55	
		For White Color, Add		2.60	
		For All Other Colors (Except Black, Brown Or White), Add		2.20	
		For Composite Wood/Plastic Lumber, Deduct		-1.22	
06 51 13 00-0042	LF	2" x 2", Other Shapes, Recycled Plastic Lumber	.....	4.92	1.06
		For Reinforced Structural Plastic Lumber, Add		1.26	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.31	
		For White Color, Add		1.45	
		For All Other Colors (Except Black, Brown Or White), Add		1.23	
		For Composite Wood/Plastic Lumber, Deduct		-0.68	
06 51 13 00-0043	LF	2" x 3", Other Shapes, Recycled Plastic Lumber	.....	7.19	1.24
		For Reinforced Structural Plastic Lumber, Add		2.00	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.49	
		For White Color, Add		2.30	
		For All Other Colors (Except Black, Brown Or White), Add		1.94	
		For Composite Wood/Plastic Lumber, Deduct		-1.08	
06 51 13 00-0044	LF	2" x 4", Other Shapes, Recycled Plastic Lumber	.....	8.24	1.44
		For Reinforced Structural Plastic Lumber, Add		2.29	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.56	
		For White Color, Add		2.63	
		For All Other Colors (Except Black, Brown Or White), Add		2.22	
		For Composite Wood/Plastic Lumber, Deduct		-1.24	
06 51 13 00-0045	LF	2" x 6", Other Shapes, Recycled Plastic Lumber	.....	11.35	1.54
		For Reinforced Structural Plastic Lumber, Add		3.39	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		0.82	
		For White Color, Add		3.89	
		For All Other Colors (Except Black, Brown Or White), Add		3.30	
		For Composite Wood/Plastic Lumber, Deduct		-1.83	
06 51 13 00-0046	LF	2" x 8", Other Shapes, Recycled Plastic Lumber	.....	14.51	1.64
		For Reinforced Structural Plastic Lumber, Add		4.51	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.10	
		For White Color, Add		5.18	
		For All Other Colors (Except Black, Brown Or White), Add		4.38	
		For Composite Wood/Plastic Lumber, Deduct		-2.44	
06 51 13 00-0047	LF	2" x 10", Other Shapes, Recycled Plastic Lumber	.....	17.38	1.73
		For Reinforced Structural Plastic Lumber, Add		5.52	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.34	
		For White Color, Add		6.34	
		For All Other Colors (Except Black, Brown Or White), Add		5.37	
		For Composite Wood/Plastic Lumber, Deduct		-2.98	
06 51 13 00-0048	LF	2" x 12", Other Shapes, Recycled Plastic Lumber	.....	20.94	1.83
		For Reinforced Structural Plastic Lumber, Add		6.79	
		Note: High density polyethylene combined with fiberglass.			
		For Brown Color, Add		1.65	
		For White Color, Add		7.79	
		For All Other Colors (Except Black, Brown Or White), Add		6.60	
		For Composite Wood/Plastic Lumber, Deduct		-3.67	

**06 Wood, Plastics, and Composites****06 50 Structural Plastics****06 51 Structural Plastic Shapes and Plates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51	13 00-0049	LF	3" x 4", Other Shapes, Recycled Plastic Lumber .....	11.71	1.69
			For Reinforced Structural Plastic Lumber, Add	3.44	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.84	
			For White Color, Add	3.95	
			For All Other Colors (Except Black, Brown Or White), Add	3.35	
			For Composite Wood/Plastic Lumber, Deduct	-1.86	
06 51	13 00-0050	LF	3" x 6", Other Shapes, Recycled Plastic Lumber .....	16.99	1.80
			For Reinforced Structural Plastic Lumber, Add	5.34	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.30	
			For White Color, Add	6.13	
			For All Other Colors (Except Black, Brown Or White), Add	5.19	
			For Composite Wood/Plastic Lumber, Deduct	-2.88	
06 51	13 00-0051	LF	3" x 8", Other Shapes, Recycled Plastic Lumber .....	22.01	1.92
			For Reinforced Structural Plastic Lumber, Add	7.14	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.74	
			For White Color, Add	8.20	
			For All Other Colors (Except Black, Brown Or White), Add	6.94	
			For Composite Wood/Plastic Lumber, Deduct	-3.86	
06 51	13 00-0052	LF	3" x 10", Other Shapes, Recycled Plastic Lumber .....	25.50	2.02
			For Reinforced Structural Plastic Lumber, Add	8.37	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	2.03	
			For White Color, Add	9.61	
			For All Other Colors (Except Black, Brown Or White), Add	8.14	
			For Composite Wood/Plastic Lumber, Deduct	-4.52	
06 51	13 00-0053	LF	3" x 12", Other Shapes, Recycled Plastic Lumber .....	31.04	2.60
			For Reinforced Structural Plastic Lumber, Add	10.11	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	2.46	
			For White Color, Add	11.61	
			For All Other Colors (Except Black, Brown Or White), Add	9.84	
			For Composite Wood/Plastic Lumber, Deduct	-5.46	
06 51	13 00-0054	LF	4" x 4", Other Shapes, Recycled Plastic Lumber .....	16.06	1.83
			For Reinforced Structural Plastic Lumber, Add	4.98	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.21	
			For White Color, Add	5.72	
			For All Other Colors (Except Black, Brown Or White), Add	4.84	
			For Composite Wood/Plastic Lumber, Deduct	-2.69	
06 51	13 00-0055	LF	4" x 6", Other Shapes, Recycled Plastic Lumber .....	21.85	1.92
			For Reinforced Structural Plastic Lumber, Add	7.07	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.72	
			For White Color, Add	8.12	
			For All Other Colors (Except Black, Brown Or White), Add	6.88	
			For Composite Wood/Plastic Lumber, Deduct	-3.82	
06 51	13 00-0056	LF	4" x 8", Other Shapes, Recycled Plastic Lumber .....	29.25	2.09
			For Reinforced Structural Plastic Lumber, Add	9.72	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	2.36	
			For White Color, Add	11.16	
			For All Other Colors (Except Black, Brown Or White), Add	9.46	
			For Composite Wood/Plastic Lumber, Deduct	-5.25	
06 51	13 00-0057	LF	5" x 5", Other Shapes, Recycled Plastic Lumber .....	22.94	2.11
			For Reinforced Structural Plastic Lumber, Add	7.37	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.79	
			For White Color, Add	8.47	
			For All Other Colors (Except Black, Brown Or White), Add	7.17	
			For Composite Wood/Plastic Lumber, Deduct	-3.98	
06 51	13 00-0058	LF	6" x 6", Other Shapes, Recycled Plastic Lumber .....	32.02	2.41
			For Reinforced Structural Plastic Lumber, Add	10.58	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	2.57	
			For White Color, Add	12.15	
			For All Other Colors (Except Black, Brown Or White), Add	10.29	
			For Composite Wood/Plastic Lumber, Deduct	-5.72	
06 51	13 00-0059	LF	6" x 8", Other Shapes, Recycled Plastic Lumber .....	44.00	2.60
			For Reinforced Structural Plastic Lumber, Add	14.90	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	3.63	
			For White Color, Add	17.12	
			For All Other Colors (Except Black, Brown Or White), Add	14.50	
			For Composite Wood/Plastic Lumber, Deduct	-8.06	
06 51	13 00-0060	LF	6" x 12", Other Shapes, Recycled Plastic Lumber .....	61.92	2.89
			For Reinforced Structural Plastic Lumber, Add	21.39	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	5.20	
			For White Color, Add	24.57	
			For All Other Colors (Except Black, Brown Or White), Add	20.81	
			For Composite Wood/Plastic Lumber, Deduct	-11.56	
06 51	13 00-0061	LF	8" x 8", Other Shapes, Recycled Plastic Lumber .....	55.12	2.77
			For Reinforced Structural Plastic Lumber, Add	18.93	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	4.60	
			For White Color, Add	21.74	
			For All Other Colors (Except Black, Brown Or White), Add	18.42	
			For Composite Wood/Plastic Lumber, Deduct	-10.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 51 13 00-0062	LF		8" x 10", Other Shapes, Recycled Plastic Lumber .....	93.68	2.89
			For Reinforced Structural Plastic Lumber, Add	33.14	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	8.06	
			For White Color, Add	38.06	
			For All Other Colors (Except Black, Brown Or White), Add	32.24	
			For Composite Wood/Plastic Lumber, Deduct	-17.91	
06 51 13 00-0063	LF		10" x 10", Other Shapes, Recycled Plastic Lumber .....	129.72	3.03
			For Reinforced Structural Plastic Lumber, Add	46.41	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	11.29	
			For White Color, Add	53.30	
			For All Other Colors (Except Black, Brown Or White), Add	45.15	
			For Composite Wood/Plastic Lumber, Deduct	-25.08	
06 51 13 00-0064	LF		2" Diameter, Other Shapes, Recycled Plastic Lumber .....	5.23	0.97
			For Reinforced Structural Plastic Lumber, Add	1.43	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	0.35	
			For White Color, Add	1.64	
			For All Other Colors (Except Black, Brown Or White), Add	1.39	
			For Composite Wood/Plastic Lumber, Deduct	-0.77	
06 51 13 00-0065	LF		3-1/2" Diameter, Other Shapes, Recycled Plastic Lumber .....	14.65	1.24
			For Reinforced Structural Plastic Lumber, Add	4.76	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.16	
			For White Color, Add	5.47	
			For All Other Colors (Except Black, Brown Or White), Add	4.63	
			For Composite Wood/Plastic Lumber, Deduct	-2.57	
06 51 13 00-0066	LF		4" Diameter, Other Shapes, Recycled Plastic Lumber .....	16.16	1.44
			For Reinforced Structural Plastic Lumber, Add	5.22	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.27	
			For White Color, Add	6.00	
			For All Other Colors (Except Black, Brown Or White), Add	5.08	
			For Composite Wood/Plastic Lumber, Deduct	-2.82	
06 51 13 00-0067	LF		5" Diameter, Other Shapes, Recycled Plastic Lumber .....	20.01	1.73
			For Reinforced Structural Plastic Lumber, Add	6.49	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	1.58	
			For White Color, Add	7.45	
			For All Other Colors (Except Black, Brown Or White), Add	6.31	
			For Composite Wood/Plastic Lumber, Deduct	-3.51	
06 51 13 00-0068	LF		6" Diameter, Other Shapes, Recycled Plastic Lumber .....	43.81	2.02
			For Reinforced Structural Plastic Lumber, Add	15.14	
			Note: High density polyethylene combined with fiberglass.		
			For Brown Color, Add	3.68	
			For White Color, Add	17.39	
			For All Other Colors (Except Black, Brown Or White), Add	14.73	
			For Composite Wood/Plastic Lumber, Deduct	-8.18	
06 51 13 00-0069	SF		1/8" Thick, Other Shapes, Recycled Plastic Sheeting .....	4.30	1.06
06 51 13 00-0070	SF		1/4" Thick, Other Shapes, Recycled Plastic Sheeting .....	6.18	1.10
06 51 13 00-0071	SF		3/8" Thick, Other Shapes, Recycled Plastic Sheeting .....	8.84	1.17
06 51 13 00-0072	SF		1/2" Thick, Other Shapes, Recycled Plastic Sheeting .....	11.17	1.21

**06 53 Plastic Decking** (06 50)

**06 53 16 Plastic Stair Treads** (06 53)

**06 53 16 00-0001 Fiberglass Reinforced Plastic Stair Treads** (06 53 16)

Note: Includes standard colors and anchors. Excludes stringers.

06 53 16 00-0002	LF		1" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	50.64	4.58
06 53 16 00-0003	LF		1-1/2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	68.14	5.50
06 53 16 00-0004	LF		2" Thick, 12" Wide, Fiberglass Reinforced Plastic Stair Tread With Safety Nosing, Excluding Stringer .....	94.56	6.05

**06 60 Plastic Fabrications** (06)

**06 65 Plastic Trim** (06 60)

**06 65 00 00-0001 Plastic Moldings** (06 65)

Note: All dimensions are nominal.

**06 65 00 00-0002 Base, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0003	LF		3-1/2" High, Base, Plastic Molding .....	7.25	2.73
06 65 00 00-0004	LF		4-1/2" High, Base, Plastic Molding .....	8.89	3.42
06 65 00 00-0005	LF		3/4" x 1", Base Shoe, Plastic Molding .....	6.92	2.87

**06 65 00 00-0006 Cornice, Plastic Moldings** (06 65 00 00-0001)

06 65 00 00-0007	LF		1" x 2" Cornice, Plastic Molding .....	6.79	2.73
06 65 00 00-0008	LF		1" x 4" Cornice, Plastic Molding .....	8.11	2.87
06 65 00 00-0009	LF		1" x 6" Cornice, Plastic Molding .....	10.55	3.00
06 65 00 00-0010	LF		1" x 8" Cornice, Plastic Molding .....	11.92	3.14
06 65 00 00-0011	LF		1" x 10" Cornice, Plastic Molding .....	13.51	3.28
06 65 00 00-0012	LF		1" x 12" Cornice, Plastic Molding .....	16.80	3.42

**06 65 00 00-0013 Crown Or Bed, Plastic Moldings** (06 65 00 00-0001)

**06 Wood, Plastics, and Composites****06 60 Plastic Fabrications****06 65 Plastic Trim**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

06 65 00 00-0014	LF	9/16" x 1-5/8" Crown Or Bed, Plastic Molding.....	10.81	2.73
06 65 00 00-0015	LF	9/16" x 2-1/4" Crown Or Bed, Plastic Molding.....	14.33	3.42
06 65 00 00-0016	LF	9/16" x 3-1/2" Crown Or Bed, Plastic Molding.....	14.84	3.42
06 65 00 00-0017	LF	9/16" x 3-5/8" Crown Or Bed, Plastic Molding.....	15.36	3.42
06 65 00 00-0018	LF	5/8" x 4-1/4" Crown Or Bed, Plastic Molding.....	19.81	4.10
06 65 00 00-0019	LF	11/16" x 4-5/8" Crown Or Bed, Plastic Molding.....	23.01	4.10
<b>06 65 00 00-0020</b>		<b>Dentil, Plastic Moldings (06 65 00 00-0001)</b>		
06 65 00 00-0021	LF	11/16" x 1-3/8" Dentil, Plastic Molding.....	9.45	2.73
06 65 00 00-0022	LF	5/8" x 2-1/2" Dentil, Plastic Molding.....	10.42	2.73
06 65 00 00-0023	LF	1-3/8" x 3-3/8" Dentil, Plastic Molding.....	12.62	2.73
06 65 00 00-0024	LF	1-1/2" x 4-1/2" Dentil, Plastic Molding.....	16.42	2.73
<b>06 65 00 00-0025</b>		<b>Cove, Plastic Moldings (06 65 00 00-0001)</b>		
06 65 00 00-0026	LF	3/8" x 3/8" Cove, Plastic Molding.....	3.84	1.50
06 65 00 00-0027	LF	1/2" x 1/2" Cove, Plastic Molding.....	4.10	1.50
06 65 00 00-0028	LF	5/8" x 5/8" Cove, Plastic Molding.....	5.31	1.77
06 65 00 00-0029	LF	3/4" x 3/4" Cove, Plastic Molding.....	5.31	1.77
06 65 00 00-0030	LF	15/16" x 15/16" Cove, Plastic Molding.....	6.45	1.77
06 65 00 00-0031	LF	9/16" x 1-3/4" Cove, Plastic Molding.....	8.32	2.05
06 65 00 00-0032	LF	11/16" x 2-3/4" Cove, Plastic Molding.....	10.73	2.05
<b>06 65 00 00-0033</b>		<b>Chair Rail, Plastic Moldings (06 65 00 00-0001)</b>		
06 65 00 00-0034	LF	1/2" x 1-5/8" Chair Rail, Plastic Molding.....	6.24	2.05
06 65 00 00-0035	LF	5/8" x 2-1/2" Chair Rail, Plastic Molding.....	8.39	2.73
06 65 00 00-0036	LF	5/8" x 3-1/2" Chair Rail, Plastic Molding.....	9.87	2.73
<b>06 65 00 00-0037</b>		<b>Door, Plastic Moldings (06 65 00 00-0001)</b>		
06 65 00 00-0038	LF	1-1/8" Wide, Door, Plastic Molding.....	5.79	2.46
06 65 00 00-0039	LF	1-1/8" Wide, Detailed Door, Plastic Molding.....	5.82	2.46
<b>06 65 00 00-0040</b>		<b>Trim, Plastic Moldings (06 65 00 00-0001)</b>		
06 65 00 00-0041	LF	1/2" x 1/2" Quarter Round Trim, Plastic Molding.....	6.26	2.87
06 65 00 00-0042	LF	3/4" x 3/4" Quarter Round Trim, Plastic Molding.....	8.61	2.87
06 65 00 00-0043	LF	1-1/4" x 2" Brick Mould, Plastic Molding.....	7.65	2.73
06 65 00 00-0044	LF	1-17/32" x 1-1/2" x 1-3/8" Sill Nose, Plastic Molding.....	8.68	2.73
06 65 00 00-0045	LF	11/16" x 1-5/8" Drip Cap, Plastic Molding.....	6.66	2.73
06 65 00 00-0046	LF	2-3/4" x 2" Water Table, Plastic Molding.....	9.43	2.73
06 65 00 00-0047	LF	3/8" x 2" Garage Door Stop, Plastic Molding.....	7.22	2.73
<b>06 65 00 00-0048</b>		<b>Extruded Polyvinyl Chloride (PVC) Trimboard (06 65)</b>		
		Note: As manufactured by Azek or Kleer. All dimensions are nominal.		
06 65 00 00-0049	LF	1" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	4.38	1.09
06 65 00 00-0050	LF	1" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	6.16	1.23
06 65 00 00-0051	LF	1" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	8.02	1.37
06 65 00 00-0052	LF	1" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	9.60	1.39
06 65 00 00-0053	LF	1" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	11.33	1.43
06 65 00 00-0054	LF	5/4" x 4" Extruded Polyvinyl Chloride (PVC) Trimboard.....	5.30	1.09
06 65 00 00-0055	LF	5/4" x 6" Extruded Polyvinyl Chloride (PVC) Trimboard.....	7.58	1.23
06 65 00 00-0056	LF	5/4" x 8" Extruded Polyvinyl Chloride (PVC) Trimboard.....	9.60	1.37
06 65 00 00-0057	LF	5/4" x 10" Extruded Polyvinyl Chloride (PVC) Trimboard.....	11.76	1.39
06 65 00 00-0058	LF	5/4" x 12" Extruded Polyvinyl Chloride (PVC) Trimboard.....	13.74	1.43
06 65 00 00-0059	LF	3-1/2" x 3-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	11.26	1.39
06 65 00 00-0060	LF	5-1/2" x 5-1/2" Extruded Polyvinyl Chloride (PVC) Corner Board.....	14.82	1.43
06 65 00 00-0061	SF	1/2" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	7.94	1.23
06 65 00 00-0062	SF	3/4" Smooth/Wood Grain Reversible Extruded Polyvinyl Chloride (PVC) Sheets.....	11.34	1.37

**06 70 Structural Composites (06)****06 74 Composite Gratings (06 70)****06 74 13 Fiberglass Reinforced Gratings (06 74)****06 74 13 00-0001 Molded Fiberglass Gratings And Coverings (06 74 13)****06 74 13 00-0002 Vi-Corr Resin System (06 74 13 00-0001)**

Note: Orange or dark gray.

06 74 13 00-0003	SF	1" Molded Fiberglass Grate, 1" x 4" Mesh, Vi-Corr Resin, Meniscus Top.....	49.20	3.30
06 74 13 00-0004	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	47.86	3.30
06 74 13 00-0005	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Meniscus Top.....	61.67	3.30
06 74 13 00-0006	SF	2" Molded Fiberglass Grate, 2" x 2" Mesh, Vi-Corr Resin, Meniscus Top.....	67.21	4.22
06 74 13 00-0007	SF	1" Molded Fiberglass Grating, 1" x 4" Mesh, Vi-Corr Resin, Applied Grit Top.....	51.50	3.30
06 74 13 00-0008	SF	1" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	50.12	3.30
06 74 13 00-0009	SF	1-1/2" Molded Fiberglass Grate, 1-1/2" Square Mesh, Vi-Corr Resin, Applied Grit Top.....	65.00	3.30
06 74 13 00-0010	SF	2" Molded Fiberglass Grating, 2" x 2" Mesh, Vi-Corr Resin, Applied Grit Top.....	70.34	4.22
06 74 13 00-0011	SF	1/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	46.22	2.64
06 74 13 00-0012	SF	1/2" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	73.81	2.91
06 74 13 00-0013	SF	3/4" Vi-Corr Resin Polyester Resin, Fiberplate Covering.....	100.53	3.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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06 74 13 00-0014 IFR Fire Retardant Isophthalic Resin (06 74 13 00-0001)					
06 74 13 00-0015	SF	1"	Molded Fiberglass Grate, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	45.46	3.30
06 74 13 00-0016	SF	1"	Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	42.74	3.30
06 74 13 00-0017	SF	1-1/2"	Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	54.26	3.30
06 74 13 00-0018	SF	2"	Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Meniscus Top	58.98	4.22
06 74 13 00-0019	SF	1"	Molded Fiberglass Grating, 1" x 4" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	47.34	3.30
06 74 13 00-0020	SF	1"	Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	43.81	3.30
06 74 13 00-0021	SF	1-1/2"	Molded Fiberglass Grate, 1-1/2" Square Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	59.38	4.22
06 74 13 00-0022	SF	2"	Molded Fiberglass Grating, 2" x 2" Mesh, IFR Fire Retardant Isophthalic Resin, Applied Grit Top	62.08	4.22
06 74 13 00-0023	SF	1/4"	IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	40.99	2.64
06 74 13 00-0024	SF	1/2"	IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	57.36	2.91
06 74 13 00-0025	SF	3/4"	IFR Fire Retardant Isophthalic Resin Polyester Resin, Fiberplate Covering	78.20	3.19

06 74 13 00-0026 Corvex Polyester Resin (06 74 13 00-0001)					
Note: Dark gray.					
06 74 13 00-0027	SF	1"	Molded Fiberglass Grate, 1" x 4" Mesh, Corvex Polyester Resin, Meniscus Top	38.96	3.30
06 74 13 00-0028	SF	1"	Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	37.52	3.30
06 74 13 00-0029	SF	1-1/2"	Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Meniscus Top	44.94	3.30
06 74 13 00-0030	SF	2"	Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Meniscus Top	51.91	4.22
06 74 13 00-0031	SF	1"	Molded Fiberglass Grating, 1" x 4" Mesh, Corvex Polyester Resin, Applied Grit Top	41.35	3.30
06 74 13 00-0032	SF	1"	Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	39.89	3.30
06 74 13 00-0033	SF	1-1/2"	Molded Fiberglass Grate, 1-1/2" Square Mesh, Corvex Polyester Resin, Applied Grit Top	47.71	3.30
06 74 13 00-0034	SF	2"	Molded Fiberglass Grating, 2" x 2" Mesh, Corvex Polyester Resin, Applied Grit Top	54.28	4.22
06 74 13 00-0035	SF	1/4"	Corvex Polyester Resin, Fiberplate Covering	36.43	2.64
06 74 13 00-0036	SF	1/2"	Corvex Polyester Resin, Fiberplate Covering	57.12	2.91
06 74 13 00-0037	SF	3/4"	Corvex Polyester Resin, Fiberplate Covering	78.59	3.19

06 74 13 00-0038 XFR Extra Fire Retardant (06 74 13 00-0001)					
06 74 13 00-0039	SF	1"	Molded Fiberglass Grate, 1" x 4" Mesh, XFR Extra Fire Retardant, Meniscus Top	56.11	3.30
06 74 13 00-0040	SF	1"	Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	54.55	3.30
06 74 13 00-0041	SF	1-1/2"	Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Meniscus Top	73.73	3.30
06 74 13 00-0042	SF	2"	Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Meniscus Top	79.23	4.22
06 74 13 00-0043	SF	1"	Molded Fiberglass Grating, 1" x 4" Mesh XFR Extra Fire Retardant, Applied Grit Top	58.45	3.30
06 74 13 00-0044	SF	1"	Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	56.92	3.30
06 74 13 00-0045	SF	1-1/2"	Molded Fiberglass Grate, 1-1/2" Square Mesh, XFR Extra Fire Retardant, Applied Grit Top	76.50	3.30
06 74 13 00-0046	SF	2"	Molded Fiberglass Grating, 2" x 2" Mesh, XFR Extra Fire Retardant, Applied Grit Top	82.59	4.22
06 74 13 00-0047	SF	1/4"	XFR Extra Fire Retardant Resin, Fiberplate Covering	52.65	2.64
06 74 13 00-0048	SF	1/2"	XFR Extra Fire Retardant Resin, Fiberplate Covering	84.08	2.91

06 74 13 00-0049 ELS Extremely Low Smoke Resin (06 74 13 00-0001)					
06 74 13 00-0050	SF	1"	Molded Fiberglass Grate, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	57.48	3.30
06 74 13 00-0051	SF	1"	Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	55.82	3.30
06 74 13 00-0052	SF	1-1/2"	Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	71.82	3.30
06 74 13 00-0053	SF	2"	Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Meniscus Top	77.43	4.22
06 74 13 00-0054	SF	1"	Molded Fiberglass Grating, 1" x 4" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	59.64	3.30
06 74 13 00-0055	SF	1"	Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	58.28	3.30
06 74 13 00-0056	SF	1-1/2"	Molded Fiberglass Grate, 1-1/2" Square Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	74.49	3.30
06 74 13 00-0057	SF	2"	Molded Fiberglass Grating, 2" x 2" Mesh, ELS Extremely Low Smoke Resin, Applied Grit Top	80.13	4.22
06 74 13 00-0058	SF	1/4"	ELS Extremely Low Smoke Resin, Fiberplate Covering	58.61	2.64
06 74 13 00-0059	SF	1/2"	ELS Extremely Low Smoke Resin, Fiberplate Covering	104.23	2.91

06 74 13 00-0060 Pultruded Fiberglass Grating (06 74 13)					
06 74 13 00-0061 ISOFR Isophthalic Polyester Resin System (06 74 13 00-0060)					
Note: For moderately corrosive environments, green.					
06 74 13 00-0062 1" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)					
06 74 13 00-0063	SF	1"	Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	41.61	4.22
06 74 13 00-0064	SF	1"	Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	37.21	3.30
06 74 13 00-0065	SF	1"	Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	46.72	4.22
06 74 13 00-0066	SF	1"	Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	43.39	3.30
06 74 13 00-0067	SF	1"	Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	33.02	4.22
06 74 13 00-0068	SF	1"	Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, ISOFR Isophthalic Polyester Resin	29.53	3.30
06 74 13 00-0069	SF	1"	Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	37.45	4.22
06 74 13 00-0070	SF	1"	Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	34.06	3.30

06 74 13 00-0071 1-1/2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)					
06 74 13 00-0072	SF	1-1/2"	Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	46.67	4.22
06 74 13 00-0073	SF	1-1/2"	Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	42.39	3.30
06 74 13 00-0074	SF	1-1/2"	Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	52.14	4.22
06 74 13 00-0075	SF	1-1/2"	Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, ISOFR Isophthalic Polyester Resin	49.08	3.30
06 74 13 00-0076	SF	1-1/2"	Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	41.33	4.22
06 74 13 00-0077	SF	1-1/2"	Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, ISOFR Isophthalic Polyester Resin	37.94	3.30

06 74 13 00-0078 2" ISOFR Isophthalic Polyester Resin System (06 74 13 00-0061)					
06 74 13 00-0079	SF	2"	Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	41.46	4.22
06 74 13 00-0080	SF	2"	Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, ISOFR Isophthalic Polyester Resin	45.55	4.22

**06 Wood, Plastics, and Composites****06 70 Structural Composites****06 74 Composite Gratings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 74 13 00-0081	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	54.41	4.22
06 74 13 00-0082	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, ISOFR Isophthalic Polyester Resin .....	51.51	4.22
<b>06 74 13 00-0083</b>			<b>VERF Vinyl Ester Resin System</b> (06 74 13 00-0060)		
<b>06 74 13 00-0084</b>			<b>1" VERF Vinyl Ester Resin System</b> (06 74 13 00-0083)		
06 74 13 00-0085	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	43.91	3.30
06 74 13 00-0086	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	39.53	3.30
06 74 13 00-0087	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	49.08	3.30
06 74 13 00-0088	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	55.97	3.30
06 74 13 00-0089	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 38% Open, VERF Vinyl Ester Resin .....	34.28	3.30
06 74 13 00-0090	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 38% Open, VERF Vinyl Ester Resin .....	30.90	3.30
06 74 13 00-0091	SF		1" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	38.99	3.30
06 74 13 00-0092	SF		1" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	35.98	3.30
<b>06 74 13 00-0093</b>			<b>1-1/2" VERF Vinyl Ester Resin System</b> (06 74 13 00-0083)		
06 74 13 00-0094	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	47.97	3.30
06 74 13 00-0095	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	43.64	3.30
06 74 13 00-0096	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	54.48	3.30
06 74 13 00-0097	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 40% Open, VERF Vinyl Ester Resin .....	51.03	3.30
06 74 13 00-0098	SF		1-1/2" Pultruded Fiberglass Grate, 6" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	43.36	3.30
06 74 13 00-0099	SF		1-1/2" Pultruded Fiberglass Grate, 12" Bar Space, 25% Open, VERF Vinyl Ester Resin .....	40.14	3.30
<b>06 74 13 00-0100</b>			<b>2" VERF Vinyl Ester Resin System</b> (06 74 13 00-0083)		
06 74 13 00-0101	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	43.40	4.22
06 74 13 00-0102	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 50% Open, VERF Vinyl Ester Resin .....	40.27	4.22
06 74 13 00-0103	SF		2" Pultruded Fiberglass Grate, 6" Bar Space, 33% Open, VERF Vinyl Ester Resin .....	57.13	4.22
06 74 13 00-0104	SF		2" Pultruded Fiberglass Grate, 12" Bar Space, 33% Open, VERF Vinyl Ester Resin .....	55.57	4.22
<b>06 80 Composite Fabrications</b> (06)					
<b>06 82 Composite Trim</b> (06 80)					
<b>06 82 00 00-0001</b>			<b>Fiberglass Castings</b> (06 82)		
<b>06 82 00 00-0002</b>			<b>Fiberglass Angle, Equal Legs</b> (06 82 00 00-0001)		
06 82 00 00-0003	LF		1" x 1" x 1/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	14.45	5.50
06 82 00 00-0004	LF		1" x 1" x 1/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	14.94	5.50
06 82 00 00-0005	LF		3" x 3" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	24.08	6.60
06 82 00 00-0006	LF		3" x 3" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	26.04	6.60
06 82 00 00-0007	LF		4" x 4" x 1/4" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	26.16	6.60
06 82 00 00-0008	LF		4" x 4" x 1/4" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	27.58	6.60
06 82 00 00-0009	LF		4" x 4" x 3/8" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	29.48	6.60
06 82 00 00-0010	LF		4" x 4" x 3/8" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	32.51	6.60
06 82 00 00-0011	LF		6" x 6" x 1/2" Thick Fiberglass Angle, ISOFR Isophthalic Polyester Resin .....	71.78	8.25
06 82 00 00-0012	LF		6" x 6" x 1/2" Thick Fiberglass Angle, VERF Vinyl Ester Resin .....	81.57	8.25
<b>06 82 00 00-0013</b>			<b>Fiberglass Channels</b> (06 82 00 00-0001)		
06 82 00 00-0014	LF		3" x 1" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	16.90	8.25
06 82 00 00-0015	LF		3" x 1" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin .....	17.39	8.25
06 82 00 00-0016	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	30.19	9.35
06 82 00 00-0017	LF		4" x 1 1/8" x 1/4" Fiberglass Channel, VERF Vinyl Ester Resin .....	30.19	9.35
06 82 00 00-0018	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	43.93	9.35
06 82 00 00-0019	LF		6" x 1 11/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin .....	50.11	9.35
06 82 00 00-0020	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	41.62	9.35
06 82 00 00-0021	LF		8" x 2 3/16" x 3/8" Fiberglass Channel, VERF Vinyl Ester Resin .....	50.77	9.35
06 82 00 00-0022	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, ISOFR Isophthalic Polyester Resin .....	63.61	12.83
06 82 00 00-0023	LF		10" x 2-3/4" x 1/2" Fiberglass Channel, VERF Vinyl Ester Resin .....	71.58	12.83
<b>06 82 00 00-0024</b>			<b>Fiberglass Wide Flange Beams</b> (06 82 00 00-0001)		
06 82 00 00-0025	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	41.97	11.00
06 82 00 00-0026	LF		4" x 4" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin .....	45.05	11.00
06 82 00 00-0027	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	52.98	13.20
06 82 00 00-0028	LF		6" x 6" x 1/4" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin .....	54.45	13.20
06 82 00 00-0029	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	81.59	16.50
06 82 00 00-0030	LF		8" x 8" x 3/8" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin .....	98.99	16.50
06 82 00 00-0031	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, ISOFR Isophthalic Polyester Resin .....	167.61	20.17
06 82 00 00-0032	LF		10" x 10" x 1/2" Fiberglass Wide Flange Beam, VERF Vinyl Ester Resin .....	186.64	20.17
<b>06 82 00 00-0033</b>			<b>Fiberglass Flat Sheet</b> (06 82 00 00-0001)		
			Note: Not to be used for bathroom board.		
06 82 00 00-0034	SF		1/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	34.96	9.35
06 82 00 00-0035	SF		1/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	36.17	9.35
06 82 00 00-0036	SF		1/4" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	51.84	11.00
06 82 00 00-0037	SF		1/4" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	58.30	11.00
06 82 00 00-0038	SF		3/8" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	68.93	13.20
06 82 00 00-0039	SF		3/8" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	78.64	13.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
06 82 00 00-0040	SF		1/2" Thick Fiberglass Flat Sheet, ISOFR Isophthalic Polyester Resin .....	91.92	16.50
06 82 00 00-0041	SF		1/2" Thick Fiberglass Flat Sheet, VERF Vinyl Ester Resin .....	106.77	16.50
<b>06 82 00 00-0042</b>			<b>Fiberglass Bars (06 82 00 00-0001)</b>		
<b>06 82 00 00-0043</b>			<b>Square Bars (06 82 00 00-0042)</b>		
06 82 00 00-0044	LF		1" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	21.60	6.60
06 82 00 00-0045	LF		1-1/4" Square Fiberglass Solid Square Bar, ISO Isophthalic Polyester Resin .....	29.32	9.71
06 82 00 00-0046	LF		1-1/2" Square Fiberglass Solid Square Bar, ISOFR Isophthalic Polyester Resin .....	34.01	12.83
<b>06 82 00 00-0047</b>			<b>Round Bars (06 82 00 00-0042)</b>		
06 82 00 00-0048	LF		1" Diameter Fiberglass Solid Round Bar, VERF Vinyl Ester Resin .....	32.02	8.25
06 82 00 00-0049	LF		1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	14.89	5.50
06 82 00 00-0050	LF		1" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	29.07	8.25
06 82 00 00-0051	LF		1-1/4" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	40.26	8.25
06 82 00 00-0052	LF		1-1/2" Diameter Fiberglass Solid Round Bar, ISOFR Isophthalic Polyester Resin .....	47.78	9.35
<b>06 82 00 00-0053</b>			<b>Fiberglass Tubes (06 82 00 00-0001)</b>		
<b>06 82 00 00-0054</b>			<b>Square Tube (06 82 00 00-0053)</b>		
06 82 00 00-0055	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	16.22	5.50
06 82 00 00-0056	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	22.76	6.60
06 82 00 00-0057	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	39.90	8.25
06 82 00 00-0058	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, ISOFR Isophthalic Polyester Resin .....	47.10	9.91
06 82 00 00-0059	LF		1" x 1" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	17.17	5.50
06 82 00 00-0060	LF		2" x 2" x 1/8" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	24.44	6.60
06 82 00 00-0061	LF		3" x 3" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	43.78	8.25
06 82 00 00-0062	LF		4" x 4" x 1/4" Thick Fiberglass Square Tube, VERF Vinyl Ester Resin .....	57.91	9.91
<b>06 82 00 00-0063</b>			<b>Round Tube (06 82 00 00-0053)</b>		
06 82 00 00-0064	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin .....	15.72	5.50
06 82 00 00-0065	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, ISOFR Isophthalic Polyester Resin .....	26.50	6.60
06 82 00 00-0066	LF		1" Diameter x 1/8" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin .....	16.15	5.50
06 82 00 00-0067	LF		2" Diameter x 1/4" Thick Fiberglass Round Tube, VERF Vinyl Ester Resin .....	27.92	6.60
<b>06 82 00 00-0068</b>			<b>Fiberglass Threaded Rods (06 82 00 00-0001)</b>		
06 82 00 00-0069	LF		3/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	18.58	4.22
06 82 00 00-0070	LF		1/2" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	19.57	4.22
06 82 00 00-0071	LF		5/8" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	22.43	4.77
06 82 00 00-0072	LF		3/4" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	24.34	4.77
06 82 00 00-0073	LF		1" Diameter Fiberglass Threaded Rod, VERF Vinyl Ester Resin .....	26.51	4.77
<b>06 82 00 00-0074</b>			<b>Grating Support Legs, VEFR Resin (06 82 00 00-0001)</b>		
06 82 00 00-0075	EA		Grating Support Legs, Fixed Height With Base Miscellaneous Fiberglass Castings .....	14.90	
06 82 00 00-0076	EA		Grate Support Legs Fixed Height Without Base Miscellaneous Fiberglass Castings .....	6.38	
06 82 00 00-0077	EA		Grating Support Legs, Adjustable To 60" Miscellaneous Fiberglass Castings .....	24.00	
<b>06 82 00 00-0078</b>			<b>Fiberglass Netting (06 82 00 00-0001)</b>		
06 82 00 00-0079	SF		1/2" x 1/2" Mesh, Clear Flexible Fiberglass Netting .....	1.02	0.49
06 82 00 00-0080	SF		1/2" x 2" Mesh, Clear Flexible Fiberglass Netting .....	1.02	0.49
06 82 00 00-0081	SF		3/4" x 5/8" Mesh, Clear Flexible Fiberglass Netting .....	1.02	0.49
06 82 00 00-0082	SF		7/8" x 7/8" Mesh, Clear Flexible Fiberglass Netting .....	1.02	0.49
06 82 00 00-0083	SF		1" x 1" Mesh, Clear Flexible Fiberglass Netting .....	1.02	0.49
06 82 00 00-0084	SF		1/2" x 1/2" Mesh, Green Flexible Fiberglass Netting .....	1.01	0.49
06 82 00 00-0085	SF		1/2" x 2" Mesh, Green Flexible Fiberglass Netting .....	1.01	0.49
06 82 00 00-0086	SF		3/4" x 5/8" Mesh, Green Flexible Fiberglass Netting .....	1.01	0.49
06 82 00 00-0087	SF		7/8" x 7/8" Mesh, Green Flexible Fiberglass Netting .....	1.01	0.49
06 82 00 00-0088	SF		1" x 1" Mesh, Green Flexible Fiberglass Netting .....	1.01	0.49
<b>06 82 00 00-0089</b>			<b>Fiberglass Stair Treads (06 82)</b>		
<b>06 82 00 00-0090</b>			<b>Fiberglass Stair Treads (06 82 00 00-0089)</b>		
<b>06 82 00 00-0091</b>			<b>10-1/2" Deep Isophthalic Resin System (06 82 00 00-0090)</b>		
06 82 00 00-0092	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	131.90	28.79
06 82 00 00-0093	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	150.54	28.79
06 82 00 00-0094	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	169.20	28.79
06 82 00 00-0095	EA		1" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	187.84	28.79
06 82 00 00-0096	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	143.09	28.79
06 82 00 00-0097	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	164.53	28.79
06 82 00 00-0098	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	185.98	28.79
06 82 00 00-0099	EA		1-1/2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	207.42	28.79
06 82 00 00-0100	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 24" Wide Isophthalic Resin System .....	160.24	28.79
06 82 00 00-0101	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 30" Wide Isophthalic Resin System .....	185.98	28.79
06 82 00 00-0102	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 36" Wide Isophthalic Resin System .....	211.71	28.79
06 82 00 00-0103	EA		2" Fiberglass Stair Tread, 10-1/2" Deep x 42" Wide Isophthalic Resin System .....	237.45	28.79



**06 Wood, Plastics, and Composites****06 80 Composite Fabrications****06 82 Composite Trim**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
06 82 00 00-0104		12" Deep Isophthalic Resin System <small>(06 82 00 00-0090)</small>			
06 82 00 00-0105	EA	1" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	142.56		28.79
06 82 00 00-0106	EA	1" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	163.87		28.79
06 82 00 00-0107	EA	1" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	185.19		28.79
06 82 00 00-0108	EA	1" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	206.50		28.79
06 82 00 00-0109	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	155.35		28.79
06 82 00 00-0110	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	179.85		28.79
06 82 00 00-0111	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	204.37		28.79
06 82 00 00-0112	EA	1-1/2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	228.88		28.79
06 82 00 00-0113	EA	2" Fiberglass Stair Tread, 12" Deep x 24" Wide Isophthalic Resin System .....	174.95		28.79
06 82 00 00-0114	EA	2" Fiberglass Stair Tread, 12" Deep x 30" Wide Isophthalic Resin System .....	204.36		28.79
06 82 00 00-0115	EA	2" Fiberglass Stair Tread, 12" Deep x 36" Wide Isophthalic Resin System .....	233.78		28.79
06 82 00 00-0116	EA	2" Fiberglass Stair Tread, 12" Deep x 42" Wide Isophthalic Resin System .....	263.19		28.79
06 82 00 00-0117		Other Fiberglass <small>(06 82)</small>			
06 82 00 00-0118		Fiberglass Splash Blocks <small>(06 82 00 00-0117)</small>			
06 82 00 00-0119	EA	Standard Size Fiberglass Splash Block .....	21.44		4.93
<b>06 83</b>		<b>Composite Paneling</b> <small>(06 80)</small>			
<b>06 83 16</b>		<b>Fiberglass Reinforced Paneling</b> <small>(06 83)</small>			
06 83 16 00-0001		Fiberglass Reinforced Polyester (FRP) Panels <small>(06 83 16)</small>			
		Note: Includes adhesive and trim.			
06 83 16 00-0002	SF	Fiberglass Reinforced Polyester (FRP) Paneling .....	4.53		2.47
		Note: Including Adhesive And Trim			

**END OF SECTION 06**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 07 Thermal And Moisture Protection

### 07 01 Operation and Maintenance of Thermal and Moisture Protection <sup>(07)</sup>

#### 07 01 50 Maintenance of Membrane Roofing <sup>(07 01)</sup>

##### 07 01 50 19 Preparation for Re-Roofing <sup>(07 01 50)</sup>

##### 07 01 50 19-0001 Preparation For Re-Roofing <sup>(07 01 50 19)</sup>

07 01 50 19-0002	SQ	Removal Of Pea Gravel Ballast From Roof, Vacuum And Disposal .....	105.89
07 01 50 19-0003	SQ	Removal Of Gravel Ballast From Roof, Vacuum And Disposal .....	185.24

##### 07 01 50 81 Roof Replacement <sup>(07 01 50)</sup>

##### 07 01 50 81-0001 Roof Repair <sup>(07 01 50 81)</sup>

Note: Less than 100 SF areas. Excludes mobilization of crew for small quantity of roof work. See CSI section 07 05 13 00-0001 for mobilization of crew for small quantity of roof work.

07 01 50 81-0002	SF	Up To 10 SF Roof Repair, Built-Up Roofing .....	26.21
07 01 50 81-0003	SF	>10 To 25 SF Roof Repair, Built-Up Roofing .....	23.59
07 01 50 81-0004	SF	>25 To 50 SF Roof Repair, Built-Up Roofing .....	21.53
07 01 50 81-0005	SF	>50 To 100 SF Roof Repair, Built-Up Roofing .....	20.01
07 01 50 81-0006	SF	Up To 10 SF Roof Repair, Membrane Roofing .....	29.94
07 01 50 81-0007	SF	>10 To 25 SF Roof Repair, Membrane Roofing .....	27.32
07 01 50 81-0008	SF	>25 To 50 SF Roof Repair, Membrane Roofing .....	25.26
07 01 50 81-0009	SF	>50 To 100 SF Roof Repair, Membrane Roofing .....	23.74
07 01 50 81-0010	SF	Up To 10 SF Roof Repair, Shingle Roofing .....	22.49
07 01 50 81-0011	SF	>10 To 25 SF Roof Repair, Shingle Roofing .....	20.24
07 01 50 81-0012	SF	>25 To 50 SF Roof Repair, Shingle Roofing .....	18.55
07 01 50 81-0013	SF	>50 To 100 SF Roof Repair, Shingle Roofing .....	17.41
07 01 50 81-0014	LF	Heat Weld Roofing Seams For Repair .....	7.59

##### 07 01 50 81-0015 Emergency Roof Patch <sup>(07 01 50 81)</sup>

Note: 4 Hour response time.

07 01 50 81-0016	EA	Granule Emergency Roof Patch Cover 16 SF .....	108.99
07 01 50 81-0017	EA	Mobilize For Emergency Roof Patching .....	688.32

##### 07 01 50 81-0018 Adhesives <sup>(07 01 50 81)</sup>

##### 07 01 50 81-0019 Mastic Sealer <sup>(07 01 50 81-0018)</sup>

##### 07 01 50 81-0020 Applied At Joints Only <sup>(07 01 50 81-0019)</sup>

07 01 50 81-0021	LF	Mastic Sealer, 1/4" Bead At Joint .....	4.55		1.95
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## 07 05 Common Work Results for Thermal and Moisture Protection <sup>(07)</sup>

### 07 05 13 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05)</sup>

#### 07 05 13 00-0001 Mobilization Of Crew For Small Quantity Of Roof Work <sup>(07 05 13)</sup>

Note: For use with all roofing tasks where the total quantity of roof work is 4 squares or less.

07 05 13 00-0002	EA	Up To 1 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	1,378.86
07 05 13 00-0003	EA	>1 To 2 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	1,031.67
07 05 13 00-0004	EA	>2 To 3 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	689.43
07 05 13 00-0005	EA	>3 To 4 SQ, Mobilization Of Crew For Small Quantity Of Roof Work .....	343.89

## 07 10 Dampproofing and Waterproofing <sup>(07)</sup>

Note: The following tasks are for application to vertical (walls and foundations) surfaces. For horizontal (flat) surfaces apply the appropriate modifier to reduce the labor cost (where listed). Waterproofing is the treatment of a surface or structure to PREVENT the passage of water under hydrostatic pressure. Dampproofing is the treatment of a surface or structure to RESIST the passage of water in the absence of hydrostatic pressure.

### 07 11 Dampproofing <sup>(07 10)</sup>

#### 07 11 13 Bituminous Dampproofing <sup>(07 11)</sup>

##### 07 11 13 00-0001 Fibrous Asphalt Dampproofing, Brush, Roller Or Spray <sup>(07 11 13)</sup>

07 11 13 00-0002	CSF	1 Coat, Fibrous Asphalt Dampproofing, Brush, Roller Or Spray .....	179.47
07 11 13 00-0003	CSF	2 Coats, Brush, Roller Or Spray, Fibrous Asphalt Dampproofing .....	271.25

##### 07 11 13 00-0004 Fibrous Asphalt Dampproofing, Troweled On <sup>(07 11 13)</sup>

07 11 13 00-0005	CSF	Primer And 1 Coat, Fibrous Asphalt Dampproofing, Troweled On .....	312.64
07 11 13 00-0006	CSF	Primer And 2 Coats, Troweled On, Fibrous Asphalt Dampproofing .....	491.32

##### 07 11 13 00-0007 Asphaltic Paint Dampproofing <sup>(07 11 13)</sup>

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing****07 11 Dampproofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 11 13 00-0008	CSF	1 Coat, Asphaltic Paint Dampproofing, Brushed On.....	142.41	
07 11 13 00-0009	CSF	2 Coats, Brushed On, Asphaltic Paint Dampproofing.....	264.15	

**07 11 19 Sheet Dampproofing (07 11)**

07 11 19 00-0001		<b>Neoprene (07 11 19)</b>		
07 11 19 00-0002	SF	1/16" Patch Neoprene Roof (5 To 20 SF).....	36.91	

**07 13 Sheet Waterproofing (07 10)****07 13 13 Bituminous Sheet Waterproofing (07 13)**

07 13 13 00-0001		<b>15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped (07 13)</b>		
07 13 13 00-0002	CSF	1 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	327.72	112.58
		<i>For 30 LB Felt, Add</i>	76.93	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-33.77	
07 13 13 00-0003	CSF	2 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	414.70	126.65
		<i>For 30 LB Felt, Add</i>	121.05	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-38.00	
07 13 13 00-0004	CSF	3 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	501.68	140.72
		<i>For 30 LB Felt, Add</i>	165.18	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-42.22	
07 13 13 00-0005	CSF	4 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	588.66	154.80
		<i>For 30 LB Felt, Add</i>	209.30	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-46.44	
07 13 13 00-0006	CSF	5 Ply, 15 LB Asphalt Saturated Organic Felt Sheet Waterproofing, Hot-Mopped.....	675.64	168.87
		<i>For 30 LB Felt, Add</i>	253.43	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-50.66	

**07 13 13 00-0007 Asphalt Coated Protective Board (07 13 13)**

07 13 13 00-0008	CSF	1/8" Asphalt Coated Protective Board.....	280.29	110.47
		<i>For Application To Horizontal Surfaces, Deduct</i>	-36.85	
07 13 13 00-0009	CSF	1/4" Asphalt Coated Protective Board.....	385.99	114.72
		<i>For Application To Horizontal Surfaces, Deduct</i>	-38.24	
07 13 13 00-0010	CSF	3/8" Asphalt Coated Protective Board.....	513.50	119.54
		<i>For Application To Horizontal Surfaces, Deduct</i>	-39.83	
07 13 13 00-0011	CSF	1/2" Asphalt Coated Protective Board.....	577.47	124.36
		<i>For Application To Horizontal Surfaces, Deduct</i>	-41.46	

**07 13 53 Elastomeric Sheet Waterproofing (07 13)**

07 13 53 00-0001		<b>Rubberized Membrane Sheet (07 13 53)</b>		
07 13 53 00-0002	SF	215 Mil Rubberized Asphalt Membrane Sheet, Vertical Surface.....	8.11	1.15
		<i>For Floor Surfaces, Deduct</i>	-1.15	

**07 13 53 00-0003 Ethylene Propylene Diene Monomer (EPDM) (07 13 53)**

07 13 53 00-0004	CSF	45 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane.....	481.90	161.20
		<i>For Application To Horizontal Surfaces, Deduct</i>	-48.35	
07 13 53 00-0005	CSF	60 Mil Ethylene Propylene Diene Monomer (EPDM) Membrane.....	555.54	161.20
		<i>For Application To Horizontal Surfaces, Deduct</i>	-48.35	

**07 13 53 00-0006 Butyl Sheet Waterproofing (07 13 53)**

07 13 53 00-0007	CSF	1/32" Butyl Sheet Waterproofing.....	100.16	40.30
		<i>For Joint Taping, Add</i>	14.30	
		<i>For Each Additional Ply, Add</i>	74.15	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-6.06	
07 13 53 00-0008	CSF	1/16" Butyl Sheet Waterproofing.....	119.18	40.30
		<i>For Joint Taping, Add</i>	15.25	
		<i>For Each Additional Ply, Add</i>	87.46	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-6.06	

**07 13 53 00-0009 Butyl With Nylon (07 13 53)**

07 13 53 00-0010	CSF	1/32" Butyl Elastomeric Waterproofing With Nylon.....	111.04	40.30
		<i>For Joint Taping, Add</i>	14.84	
		<i>For Each Additional Ply, Add</i>	81.77	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-6.06	
07 13 53 00-0011	CSF	1/16" Butyl Elastomeric Waterproofing With Nylon.....	123.27	40.30
		<i>For Joint Taping, Add</i>	15.45	
		<i>For Each Additional Ply, Add</i>	90.33	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-6.06	

**07 13 53 00-0012 Neoprene Sheet Waterproofing (07 13 53)**

07 13 53 00-0013	CSF	1/32" Neoprene Sheet Waterproofing.....	173.60	40.30
		<i>For Joint Taping, Add</i>	17.97	
		<i>For Each Additional Ply, Add</i>	125.56	
		<i>For Application To Horizontal Surfaces, Deduct</i>	-6.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 13 53 00-0014	CSF		1/16" Neoprene Sheet Waterproofing ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	254.57 22.02 182.24 -6.06	40.30
<b>07 13 53 00-0015</b>			<b>Neoprene With Nylon (07 13 53)</b>		
07 13 53 00-0016	CSF		1/32" Neoprene Elastomeric Waterproofing With Nylon ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	182.05 18.39 131.47 -6.06	40.30
07 13 53 00-0017	CSF		1/16" Neoprene Elastomeric Waterproofing With Nylon ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	268.07 22.69 191.69 -6.06	40.30
<b>07 13 53 00-0018</b>			<b>Plastic Vapor Barrier (Polyethylene) (07 13 53)</b>		
07 13 53 00-0019	CSF		4 Mil Polyethylene Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	44.35 10.70 34.74 -5.54	16.67
07 13 53 00-0020	CSF		6 Mil Polyethylene Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	45.72 10.77 35.69 -5.54	16.67
07 13 53 00-0021	CSF		10 Mil Polyethylene Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	72.78 12.13 54.64 -5.54	16.67
07 13 53 00-0022	CSF		60 Mil Polyethylene Vapor Barrier With Bentonite ..... <i>Note: Includes seam tape, liquid mastic, anchors and termination bar.</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	127.61 93.43 -6.15	16.67
<b>07 13 53 00-0023</b>			<b>Plastic Vapor Barrier (PVC) (07 13 53)</b>		
07 13 53 00-0024	CSF		10 Mil Polyvinyl Chloride (PVC) Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	55.21 11.25 42.34 -5.54	18.46
07 13 53 00-0025	CSF		20 Mil Polyvinyl Chloride (PVC) Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	69.92 12.31 52.77 -5.75	19.13
07 13 53 00-0026	CSF		30 Mil Polyvinyl Chloride (PVC) Vapor Barrier ..... <i>For Joint Taping, Add</i> <i>For Each Additional Ply, Add</i> <i>For Application To Horizontal Surfaces, Deduct</i>	89.57 13.60 66.66 -5.95	19.82
<b>07 13 53 00-0027</b>			<b>Vinyl Plastic Vapor Barrier (07 13 53)</b>		
07 13 53 00-0028	CSF		4 Mil Vinyl Plastic Vapor Barrier With Fiberglass Insulation At Joints (Tu-Tuf #4).....	51.40	17.09
<b>07 14 Fluid-Applied Waterproofing (07 10)</b>					
<b>07 14 13 Hot Fluid-Applied Rubberized Asphalt Waterproofing (07 14)</b>					
<b>07 14 13 00-0001 Hot Applied Rubberized Asphalt Waterproofing Coating (07 14 13)</b>					
07 14 13 00-0002	SF		90 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface ..... <i>Note: Includes primer.</i> <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	2.48 -0.22 0.55	
07 14 13 00-0003	SF		125 Mil Hot Applied Rubberized Asphalt Waterproofing Coating, Vertical Surface..... <i>Note: Includes primer.</i> <i>For Application To Horizontal Surfaces, Deduct</i> <i>For Reinforcing Fabric, Add</i>	2.92 -0.23 0.55	
<b>07 14 16 Cold Fluid-Applied Waterproofing (07 14)</b>					
<b>07 14 16 00-0001 Fluid Applied Rubber Based Polyurethane (07 14 16)</b>					
07 14 16 00-0002	SF		60 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing ..... <i>For Application To Horizontal Surfaces, Deduct</i>	4.06 -0.49	
07 14 16 00-0003	SF		90 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing ..... <i>For Application To Horizontal Surfaces, Deduct</i>	4.64 -0.51	
07 14 16 00-0004	SF		120 Mil Thick, Applied In 2 Coats, Fluid Applied, Rubber Base, Polyurethane Waterproofing ..... <i>For Application To Horizontal Surfaces, Deduct</i>	5.26 -0.54	
<b>07 14 16 00-0005 One Part Solution Of Chlorosulfonated Polyethylene Polymer (07 14 16)</b>					
07 14 16 00-0006	SF		15 Mil Finish Coat, 1 Part Solution, Chlorosulfonated Polyethylene (CSM) Polymer.....	2.78	
<b>07 14 16 00-0007 Copolymer Compound (07 14 16)</b>					
07 14 16 00-0008	SF		32 Mil, Fluid Elastomeric Copolymer Compound For Slabs.....	4.39	

**07 Thermal And Moisture Protection****07 10 Dampproofing and Waterproofing****07 14 Fluid-Applied Waterproofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 14 16 00-0009	Fluid Applied 100% Rubber Polymer <sup>(07 14 16)</sup>		
	Note: Product as manufactured by Dow Chemical or equal.		
07 14 16 00-0010	SF 15-20 Mil Graywall, Fluid Applied Rubber Waterproofing .....	5.37	
07 14 16 00-0011	SF 40 Mil Rub-R-Wall, Fluid Applied Rubber Waterproofing .....	6.91	
07 14 16 00-0012	SF 40 Mil Rub-R-Wall Plus, Fluid Applied Rubber Waterproofing .....	7.06	
07 14 16 00-0013	Fluid Applied Neoprene <sup>(07 14 16)</sup>		
07 14 16 00-0014	CSF 1/8" Fiberglass Reinforced, Fluid Applied Neoprene .....	543.17	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-58.72	
07 14 16 00-0015	CSF 50 Mil, 4 Coats, Fluid Applied Neoprene.....	1,032.38	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-115.20	
07 14 16 00-0016	CSF 90 Mil, 4 Coats, Fluid Applied Neoprene.....	1,680.16	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-172.71	
07 14 16 00-0017	Polyester Membrane Waterproofing System <sup>(07 14 16)</sup>		
	Note: Kemper Systems Inc.		
07 14 16 00-0018	SQ Primer For Polyester Membrane Waterproofing System (Kemperol).....	213.45	
07 14 16 00-0019	SQ Resin For Polyester Membrane Waterproofing System (Kemperol) .....	1,265.30	
07 14 16 00-0020	SQ Fleece For Polyester Membrane Waterproofing System (Kemperol).....	1,569.86	

**07 16 Cementitious and Reactive Waterproofing <sup>(07 10)</sup>**

07 16 13	<b>Polymer Modified Cement Waterproofing <sup>(07 16)</sup></b>		
07 16 13 00-0001	SF Polymer Modified Cementitious Waterproofing Assembly, 2 Coats .....	5.96	
	Note: As manufactured by Thoro Consumer Products. Includes Thoroseal, Acryl 60, acrylic waterproof coating and white pigmented acrylic copolymer primer.		

07 16 16	<b>Crystalline Waterproofing <sup>(07 16)</sup></b>		
07 16 16 00-0001	SF Crystalline Cementitious Waterproofing, 2 Coats (Xypex Concentrate).....	7.67	

07 16 19	<b>Metal Oxide Waterproofing <sup>(07 16)</sup></b>		
07 16 19 00-0001	Metallic Oxide Waterproofing <sup>(07 16 19)</sup>		
	Note: Includes one broom applied bond coat and three brush applied waterproof coats. Excludes concrete repairs to subbase and final protective concrete surface coat. See CSI section 03 54 16 00-0001 for self leveling underlayment for concrete floors, 09 24 33 00-0001 for cement parging.		
07 16 19 00-0002	CSF Catalyzed Metallic Waterproofing Treatment, Metal Oxide Waterproofing (Euclid Iron Waterpeller).....	657.76	
	<i>For Application To Horizontal Surfaces, Deduct</i>	-85.87	

**07 17 Bentonite Waterproofing <sup>(07 10)</sup>**

07 17 13	<b>Bentonite Panel Waterproofing <sup>(07 17)</sup></b>		
07 17 13 00-0001	CSF 3/16" Bentonite Waterproofing Panels.....	495.66	131.81
	<i>For Application To Horizontal Surfaces, Deduct</i>	-39.56	
07 17 13 00-0002	CSF 1/4" Bentonite Waterproofing Panels .....	447.48	139.27
	<i>For Application To Horizontal Surfaces, Deduct</i>	-42.81	
07 17 13 00-0003	CSF 5/8" Bentonite Waterproofing Panels .....	629.16	145.23
	<i>For Application To Horizontal Surfaces, Deduct</i>	-43.56	
07 17 13 00-0004	CSF 3/8" Granular Bentonite, Troweled .....	506.58	120.81
	<i>For Application To Horizontal Surfaces, Deduct</i>	-36.23	

**07 18 Traffic Coatings <sup>(07 10)</sup>**

07 18 13	<b>Pedestrian Traffic Coatings <sup>(07 18)</sup></b>		
07 18 13 00-0001	Elastomeric Plaza Deck System (Garland Dura-Walk®) <sup>(07 18 13)</sup>		
	Note: For pedestrian and vehicular traffic. Includes 10 year warranty. Excludes surface preparation, deck crack repair, joint sealants or markings.		
07 18 13 00-0002	SQ Porous Concrete Primer (Garland Dura-Walk® FC Primer Kit) .....	170.13	
07 18 13 00-0003	SQ 32 mils, Base Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	498.01	
07 18 13 00-0004	SQ 16 mils, Wear Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	284.39	
07 18 13 00-0005	SQ 16 mils, Top Coat, One-Component, Polyurethane, Elastomeric Plaza Deck System (Garland Dura-Walk®).....	341.44	
07 18 13 00-0006	LF 6" Wide, Poly Joint Tape (Garland Dura-Walk®).....	1.63	

**07 19 Water Repellents <sup>(07 10)</sup>**

07 19 13	<b>Acrylic Sealer <sup>(07 19)</sup></b>		
	Note: Per coat.		
07 19 13 00-0001	SF Spray On Concrete, Acrylic Sealer .....	2.52	
07 19 13 00-0002	SF Spray On Concrete Block/Brick, Acrylic Sealer.....	3.01	
07 19 13 00-0003	SF Spray On Stone, Acrylic Sealer .....	3.30	

07 19 16	<b>Silane Water Repellents <sup>(07 19)</sup></b>		
07 19 16 00-0001	Silane Concrete Sealer <sup>(07 19 16)</sup>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 19 16 00-0002	SF		Spray On Concrete, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) .....	0.74	
07 19 16 00-0003	SF		Spray On Concrete Block/Brick, Water Based, Silane Penetrating Water Repellent Sealer (Specchem SpecSilane 40 WB) .....	1.11	

**07 19 16 00-0004 Silane Penetrating Water Repellent<sup>(07 19 16)</sup>**

07 19 16 00-0005	SF		Spray On Cast Or Pre-Cast Concrete/Fiber Cement Siding, 100% Silane Penetrating Water Repellent (Keim Silan-100) .....	0.71	
07 19 16 00-0006	SF		Spray On Brick/Natural Stone, 100% Silane Penetrating Water Repellent (Keim Silan-100) .....	0.87	
07 19 16 00-0007	SF		Spray On Portland Stucco, 100% Silane Penetrating Water Repellent (Keim Silan-100) .....	1.11	
07 19 16 00-0008	SF		Spray On Block/Gunite/Shotcrete, 100% Silane Penetrating Water Repellent (Keim Silan-100) .....	1.72	

**07 19 16 00-0009 Silane/Siloxane Concrete Sealer<sup>(07 19 16)</sup>**

07 19 16 00-0010	SF		Spray On Concrete, Solvent Based, Silane/Siloxane Concrete Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	1.41	
Note: 40% silane, alcohol based.					
07 19 16 00-0011	SF		Spray On Concrete Block/Brick, Solvent Based, Silane/Siloxane Penetrating Water Repellent Sealer (Anti-Hydro Aridox 40) .....	2.06	
Note: 40% silane, alcohol based.					
07 19 16 00-0012	SF		Spray On Concrete, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) .....	0.58	
07 19 16 00-0013	SF		Spray On Concrete Block/Masonry, Water-Based, Silane/Siloxane Penetrating Water Repellent Sealer (Prosoco Saltguard WB) .....	0.84	

**07 20 Thermal Protection<sup>(07)</sup>**

**07 21 Thermal Insulation<sup>(07 20)</sup>**

**07 21 13 Board Insulation<sup>(07 21)</sup>**

Note: Types are stock sizes, mastic applied. See CSI section 07 22 16 00-0143 for rigid insulation for roofs.

**07 21 13 13 Foam Board Insulation<sup>(07 21 13)</sup>**

**07 21 13 13-0001 Cold Adhesive Applied Foam Board Insulation<sup>(07 21 13 13)</sup>**

**07 21 13 13-0002 Cold Adhesive Applied, Foam Glass (Cellular Glass), Foam Board Insulation<sup>(07 21 13 13-0001)</sup>**

07 21 13 13-0003	SF	1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	4.33	0.47
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0004	SF	1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	6.02	0.47
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0005	SF	2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	7.16	0.48
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0006	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Cold Adhesive Applied .....	9.42	0.49
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	

**07 21 13 13-0007 Cold Adhesive Applied, Expanded Polystyrene, Foam Board Insulation<sup>(07 21 13 13-0001)</sup>**

07 21 13 13-0008	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	1.96	0.46
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0009	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	2.03	0.46
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0010	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	2.31	0.47
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0011	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	2.58	0.47
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0012	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	3.68	0.48
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0013	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	4.78	0.49
For Horizontal Surface Application, Deduct			-0.08	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0014	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	5.88	0.50
For Horizontal Surface Application, Deduct			-0.09	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0015	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	6.98	0.52
For Horizontal Surface Application, Deduct			-0.09	
For Vapor Barrier, Integral With Insulation, Add			0.05	
07 21 13 13-0016	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS), Cold Adhesive Applied .....	8.08	0.53
For Horizontal Surface Application, Deduct			-0.09	
For Vapor Barrier, Integral With Insulation, Add			0.05	

**07 21 13 13-0017 Cold Adhesive Applied, Extruded Polystyrene, Foam Board Insulation<sup>(07 21 13 13-0001)</sup>**

Note: 15 PSI compressive strength.

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 21 Thermal Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 21 13 13-0018	SF 3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.24	0.46
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.23	
	<i>For 40 PSI Compressive Strength, Add</i>	0.55	
	<i>For 60 PSI Compressive Strength, Add</i>	0.89	
	<i>For 115 PSI Compressive Strength, Add</i>	3.83	
07 21 13 13-0019	SF 1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.62	0.46
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.29	
	<i>For 40 PSI Compressive Strength, Add</i>	0.70	
	<i>For 60 PSI Compressive Strength, Add</i>	1.11	
	<i>For 115 PSI Compressive Strength, Add</i>	4.81	
07 21 13 13-0020	SF 3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.93	0.47
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.34	
	<i>For 40 PSI Compressive Strength, Add</i>	0.81	
	<i>For 60 PSI Compressive Strength, Add</i>	1.28	
	<i>For 115 PSI Compressive Strength, Add</i>	5.58	
07 21 13 13-0021	SF 1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	2.98	0.47
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.35	
	<i>For 40 PSI Compressive Strength, Add</i>	0.83	
	<i>For 60 PSI Compressive Strength, Add</i>	1.31	
	<i>For 115 PSI Compressive Strength, Add</i>	5.71	
07 21 13 13-0022	SF 2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	4.47	0.48
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.59	
	<i>For 40 PSI Compressive Strength, Add</i>	1.39	
	<i>For 60 PSI Compressive Strength, Add</i>	2.16	
	<i>For 115 PSI Compressive Strength, Add</i>	9.49	
07 21 13 13-0023	SF 3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	5.97	0.49
	<i>For Horizontal Surface Application, Deduct</i>	-0.08	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.82	
	<i>For 40 PSI Compressive Strength, Add</i>	1.95	
	<i>For 60 PSI Compressive Strength, Add</i>	3.02	
	<i>For 115 PSI Compressive Strength, Add</i>	13.29	
07 21 13 13-0024	SF 4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Cold Adhesive Applied.....	6.73	0.50
	<i>For Horizontal Surface Application, Deduct</i>	-0.09	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For 25 PSI Compressive Strength, Add</i>	0.94	
	<i>For 40 PSI Compressive Strength, Add</i>	2.23	
	<i>For 60 PSI Compressive Strength, Add</i>	3.45	
	<i>For 115 PSI Compressive Strength, Add</i>	15.20	

## 07 21 13 13-0025 Mechanically Fastened Foam Board Insulation (07 21 13 13)

Note: Mechanically fastened to wood or steel.

## 07 21 13 13-0026 Mechanically Fastened, Foam Glass (Cellular Glass), Foam Board Insulation (07 21 13 13-0025)

Note: Mechanically fastened to wood or steel.

07 21 13 13-0027	SF 1" Thick, R3.44, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	4.31	0.47
	<i>For Horizontal Surface Application, Deduct</i>	-0.10	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0028	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	6.10	0.47
	<i>For Horizontal Surface Application, Deduct</i>	-0.10	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.28	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0029	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	7.23	0.48
	<i>For Horizontal Surface Application, Deduct</i>	-0.10	
	<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
	<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.28	
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 21 13 13-0030	SF	2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Foam Board Insulation, Mechanically Fastened.....	9.60	0.49
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.08	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	
07 21 13 13-0031		<b>Mechanically Fastened, Expanded Polystyrene, Foam Board Insulation</b> (07 21 13 13-0025)		
07 21 13 13-0032	SF	3/8" Thick, R1.44, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	1.93	0.46
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0033	SF	1/2" Thick, R1.93, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	2.00	0.46
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0034	SF	3/4" Thick, R2.89, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	2.27	0.47
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0035	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	2.56	0.47
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0036	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	3.76	0.48
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.28	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	
07 21 13 13-0037	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	4.96	0.49
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.08	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	
07 21 13 13-0038	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation (MEPS) .....	6.22	0.50
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 21 Thermal Insulation

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 21 13 13-0039	SF	5" Thick, R19.25, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	7.53	0.52
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.45	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	7.92	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70	
07 21 13 13-0040	SF	6" Thick, R23.1, Molded Expanded Polystyrene, Foam Board Insulation (MEPS).....	8.89	0.53
		<i>For Horizontal Surface Application, Deduct</i>	-0.11	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.05	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.39	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.08	

07 21 13 13-0041 Mechanically Fastened, Extruded Polystyrene, Foam Board Insulation<sup>(07 21 13</sup>

13-0025)

Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.

07 21 13 13-0042	SF	3/8" Thick, R1.9, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.21	0.46
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.20	
		<i>For 40 PSI Compressive Strength, Add</i>	0.49	
		<i>For 60 PSI Compressive Strength, Add</i>	0.79	
		<i>For 115 PSI Compressive Strength, Add</i>	3.38	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0043	SF	1/2" Thick, R2.5, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.59	0.46
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.27	
		<i>For 40 PSI Compressive Strength, Add</i>	0.63	
		<i>For 60 PSI Compressive Strength, Add</i>	1.01	
		<i>For 115 PSI Compressive Strength, Add</i>	4.36	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0044	SF	3/4" Thick, R3.7, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.89	0.47
		<i>For Horizontal Surface Application, Deduct</i>	-0.09	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.31	
		<i>For 40 PSI Compressive Strength, Add</i>	0.74	
		<i>For 60 PSI Compressive Strength, Add</i>	1.18	
		<i>For 115 PSI Compressive Strength, Add</i>	5.13	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 13-0045	SF	1" Thick, R5.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened .....	2.96	0.47
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For 25 PSI Compressive Strength, Add</i>	0.32	
		<i>For 40 PSI Compressive Strength, Add</i>	0.76	
		<i>For 60 PSI Compressive Strength, Add</i>	1.21	
		<i>For 115 PSI Compressive Strength, Add</i>	5.26	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 13 13-0046	SF	2" Thick, R10.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	.....	4.55	0.48
		<i>For Horizontal Surface Application, Deduct</i>		-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For 25 PSI Compressive Strength, Add</i>		0.57	
		<i>For 40 PSI Compressive Strength, Add</i>		1.36	
		<i>For 60 PSI Compressive Strength, Add</i>		2.12	
		<i>For 115 PSI Compressive Strength, Add</i>		9.30	
		<i>For Mechanically Fastened To Concrete, Add</i>		1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>		1.99	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>		0.94	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>		2.20	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>		2.62	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>		1.40	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>		3.28	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>		3.94	
07 21 13 13-0047	SF	3" Thick, R15.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	.....	6.15	0.49
		<i>For Horizontal Surface Application, Deduct</i>		-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For 25 PSI Compressive Strength, Add</i>		0.82	
		<i>For 40 PSI Compressive Strength, Add</i>		1.96	
		<i>For 60 PSI Compressive Strength, Add</i>		3.04	
		<i>For 115 PSI Compressive Strength, Add</i>		13.34	
		<i>For Mechanically Fastened To Concrete, Add</i>		1.62	
		<i>For Mechanically Fastened To Gypsum, Add</i>		2.08	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>		1.06	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>		2.34	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>		2.80	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>		1.60	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>		3.53	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>		4.22	
07 21 13 13-0048	SF	4" Thick, R20.0, Extruded Polystyrene, Foam Board Insulation, Mechanically Fastened	.....	7.07	0.50
		<i>For Horizontal Surface Application, Deduct</i>		-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For 25 PSI Compressive Strength, Add</i>		0.97	
		<i>For 40 PSI Compressive Strength, Add</i>		2.30	
		<i>For 60 PSI Compressive Strength, Add</i>		3.57	
		<i>For 115 PSI Compressive Strength, Add</i>		15.68	
		<i>For Mechanically Fastened To Concrete, Add</i>		1.66	
		<i>For Mechanically Fastened To Gypsum, Add</i>		2.07	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>		1.27	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>		2.55	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>		2.96	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>		1.90	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>		3.84	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>		4.46	
<b>07 21 13 16 Fibrous Board Insulation (07 21 13)</b>					
07 21 13 16-0001		<b>Cold Adhesive Applied Fibrous Board Insulation (07 21 13 16)</b>			
07 21 13 16-0002		<b>Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0001)</b>			
07 21 13 16-0003	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	.....	2.81	0.59
		<i>For Horizontal Surface Application, Deduct</i>		-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For Factory Painted On One Surface Add</i>		0.17	
07 21 13 16-0004	SF	2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	.....	4.11	0.71
		<i>For Horizontal Surface Application, Deduct</i>		-0.12	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For Factory Painted On One Surface Add</i>		0.17	
07 21 13 16-0005	SF	3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Cold Adhesive Applied	.....	5.41	0.83
		<i>For Horizontal Surface Application, Deduct</i>		-0.14	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For Factory Painted On One Surface Add</i>		0.17	
07 21 13 16-0006		<b>Cold Adhesive Applied, Fiberglass, Fibrous Board Insulation (07 21 13 16-0001)</b>			
07 21 13 16-0007	SF	1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	.....	4.97	0.47
		<i>For Horizontal Surface Application, Deduct</i>		-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For Factory Painted On One Surface Add</i>		0.17	
07 21 13 16-0008	SF	1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	.....	5.89	0.47
		<i>For Horizontal Surface Application, Deduct</i>		-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For Factory Painted On One Surface Add</i>		0.17	
07 21 13 16-0009	SF	2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	.....	7.28	0.48
		<i>For Horizontal Surface Application, Deduct</i>		-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For Factory Painted On One Surface Add</i>		0.17	
07 21 13 16-0010	SF	2-1/2" Thick, R10.0, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	.....	8.39	0.48
		<i>For Horizontal Surface Application, Deduct</i>		-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For Factory Painted On One Surface Add</i>		0.17	
07 21 13 16-0011	SF	3" Thick, R12.4, Fiberglass, Fibrous Board Insulation, Cold Adhesive Applied	.....	9.49	0.49
		<i>For Horizontal Surface Application, Deduct</i>		-0.08	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>		0.05	
		<i>For Factory Painted On One Surface Add</i>		0.17	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 21 Thermal Insulation

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 21 13 16-0012	Mechanically Fastened Fibrous Board Insulation (07 21 13 16)		
	Note: Mechanically fastened to wood or steel.		
07 21 13 16-0013	Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation (07 21 13 16-0012)		
	Note: Mechanically fastened to wood or steel.		
07 21 13 16-0014	SF 1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	2.63	0.59
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.53	
	For Mechanically Fastened To Gypsum, Add	2.06	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.13	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.20	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90	
07 21 13 16-0015	SF 2" Thick, R5.2, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	4.02	0.71
	For Horizontal Surface Application, Deduct	-0.12	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.57	
	For Mechanically Fastened To Gypsum, Add	1.99	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.94	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.62	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.28	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.94	
07 21 13 16-0016	SF 3" Thick, R7.8, Wood Fiber (Cellulosic-Fiber), Fibrous Board Insulation, Mechanically Fastened.....	5.42	0.83
	For Horizontal Surface Application, Deduct	-0.14	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.62	
	For Mechanically Fastened To Gypsum, Add	2.08	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	1.06	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.34	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.80	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.60	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.53	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	4.22	
07 21 13 16-0017	Mechanically Fastened, Fiberglass, Fibrous Board Insulation (07 21 13 16-0012)		
	Note: Mechanically fastened to wood or steel.		
07 21 13 16-0018	SF 1" Thick, R4.2, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	4.95	0.47
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.53	
	For Mechanically Fastened To Gypsum, Add	2.06	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.13	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.20	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90	
07 21 13 16-0019	SF 1-1/2" Thick, R6.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	5.97	0.47
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.57	
	For Mechanically Fastened To Gypsum, Add	1.99	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.94	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.28	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90	
07 21 13 16-0020	SF 2" Thick, R8.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	7.34	0.48
	For Horizontal Surface Application, Deduct	-0.10	
	For Vapor Barrier, Integral With Insulation, Add	0.05	
	For Factory Painted On One Surface Add	0.17	
	For Mechanically Fastened To Concrete, Add	1.57	
	For Mechanically Fastened To Gypsum, Add	1.99	
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.94	
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.20	
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.62	
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.40	
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.28	
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 21 13 16-0021	SF	2-1/2"	Thick, R10.0, Fiberglass, Fibrous Board Insulation, Mechanically Fastened .....	8.57	0.48
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13	
07 21 13 16-0022	SF	3"	Thick, R12.4, Fiberglass, Fibrous Board Insulation, Mechanically Fastened.....	9.67	0.49
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	

**07 21 13 19 Mineral Board Insulation (07 21 13)**

07 21 13 19-0001			Cold Adhesive Applied Mineral Board Insulation (07 21 13 19)		
07 21 13 19-0002			Cold Adhesive Applied, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0001)		
07 21 13 19-0003	SF	1/2"	Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.14	0.53
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0004	SF	25/32"	Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.54	0.56
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0005	SF	1"	Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	2.94	0.59
			<i>For Horizontal Surface Application, Deduct</i>	-0.10	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0006	SF	1-1/2"	Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	3.65	0.65
			<i>For Horizontal Surface Application, Deduct</i>	-0.11	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0007	SF	2"	Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	4.37	0.71
			<i>For Horizontal Surface Application, Deduct</i>	-0.12	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
07 21 13 19-0008	SF	3"	Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Cold Adhesive Applied .....	5.81	0.83
			<i>For Horizontal Surface Application, Deduct</i>	-0.14	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	

**07 21 13 19-0009 Mechanically Fastened Mineral Board Insulation (07 21 13 19)**  
 Note: Mechanically fastened to wood or steel.

07 21 13 19-0010			Mechanically Fastened, High-Density Fiberboard, Mineral Board Insulation (07 21 13 19-0009)		
			Note: Mechanically fastened to wood or steel.		
07 21 13 19-0011	SF	1/2"	Thick, R1.3, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	1.96	0.53
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 19-0012	SF	25/32"	Thick, R1.9, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.36	0.56
			<i>For Horizontal Surface Application, Deduct</i>	-0.09	
			<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
			<i>For Factory Painted On One Surface Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 21 13 19-0013	SF	1" Thick, R2.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	2.76	0.59
		<i>For Horizontal Surface Application, Deduct</i>	-0.10	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.13	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.20	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 19-0014	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	3.57	0.65
		<i>For Horizontal Surface Application, Deduct</i>	-0.11	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.28	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 21 13 19-0015	SF	2" Thick, R5.0, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	4.29	0.71
		<i>For Horizontal Surface Application, Deduct</i>	-0.12	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.28	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	
07 21 13 19-0016	SF	3" Thick, R7.5, High-Density Fiberboard, Mineral Board Insulation, Mechanically Fastened.....	5.82	0.83
		<i>For Horizontal Surface Application, Deduct</i>	-0.14	
		<i>For Vapor Barrier, Integral With Insulation, Add</i>	0.05	
		<i>For Factory Painted On One Surface Add</i>	0.17	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.08	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	

**07 21 16 Blanket Insulation (07 21)**

Note: All insulation rolls or batts applied to wood or steel studs or between rafters or between metal building "skin" and framing.

**07 21 16 00-0001 Fiberglass Flexible Insulation (07 21 16)**

Note: Rolls or batts.

**07 21 16 00-0002 Kraft Faced, Fiberglass Flexible Insulation (07 21 16 00-0001)**

07 21 16 00-0003	SF	3-1/2" Thick, Kraft Faced, R-11 Fiberglass Flexible Insulation.....	1.65	0.55
		<i>For &gt;1,600, Deduct</i>	-0.17	
07 21 16 00-0004	SF	3-1/2" Thick, Kraft Faced, R-13 Fiberglass Flexible Insulation.....	1.77	0.55
		<i>For &gt;1,600, Deduct</i>	-0.19	
07 21 16 00-0005	SF	3-1/2" Thick, Kraft Faced, R-15 Fiberglass Flexible Insulation.....	1.80	0.55
		<i>For &gt;1,600, Deduct</i>	-0.20	
07 21 16 00-0006	SF	5-1/2" Thick, Kraft Faced, R-21 Fiberglass Flexible Insulation.....	2.35	0.55
		<i>For &gt;1,600, Deduct</i>	-0.30	
07 21 16 00-0007	SF	6-1/4" Thick, Kraft Faced, R-19 Fiberglass Flexible Insulation.....	2.03	0.55
		<i>For &gt;1,600, Deduct</i>	-0.23	
07 21 16 00-0008	SF	9-1/2" Thick, Kraft Faced, R-30 Fiberglass Flexible Insulation.....	2.77	0.69
		<i>For &gt;1,600, Deduct</i>	-0.35	
07 21 16 00-0009	SF	12" Thick, Kraft Faced, R-38 Fiberglass Flexible Insulation.....	3.14	0.69
		<i>For &gt;1,600, Deduct</i>	-0.40	

**07 21 16 00-0010 Unfaced, Fiberglass Flexible Insulation (07 21 16 00-0001)**

07 21 16 00-0011	SF	3-1/2" Thick, Unfaced, R-11 Fiberglass Flexible Insulation.....	1.58	0.55
		<i>For &gt;1,600, Deduct</i>	-0.15	
07 21 16 00-0012	SF	3-1/2" Thick, Unfaced, R-13 Fiberglass Flexible Insulation.....	1.71	0.55
		<i>For &gt;1,600, Deduct</i>	-0.18	
07 21 16 00-0013	SF	3-1/2" Thick, Unfaced, R-15 Fiberglass Flexible Insulation.....	2.20	0.55
		<i>For &gt;1,600, Deduct</i>	-0.28	
07 21 16 00-0014	SF	5-1/2" Thick, Unfaced, R-21 Fiberglass Flexible Insulation.....	2.26	0.55
		<i>For &gt;1,600, Deduct</i>	-0.28	
07 21 16 00-0015	SF	6-1/4" Thick, Unfaced, R-19 Fiberglass Flexible Insulation.....	1.97	0.55
		<i>For &gt;1,600, Deduct</i>	-0.22	
07 21 16 00-0016	SF	9-1/2" Thick, Unfaced, R-30 Fiberglass Flexible Insulation.....	2.62	0.69
		<i>For &gt;1,600, Deduct</i>	-0.32	
07 21 16 00-0017	SF	12" Thick, Unfaced, R-38 Fiberglass Flexible Insulation.....	3.04	0.69
		<i>For &gt;1,600, Deduct</i>	-0.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 21 16 00-0018</b>			<b>Foil Faced, Fiberglass Flexible Insulation</b> (07 21 16 00-0001)		
07 21 16 00-0019	SF		3-1/2" Thick, Foil Faced, R-11 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.86 -0.21	0.55
07 21 16 00-0020	SF		3-1/2" Thick, Foil Faced, R-13 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.05 -0.25	0.55
07 21 16 00-0021	SF		6-1/4" Thick, Foil Faced, R-19 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.29 -0.28	0.55
07 21 16 00-0022	SF		10-1/4" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.22 -0.42	0.69
07 21 16 00-0023	SF		12" Thick, Foil Faced, R-38 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.50 -0.47	0.69

<b>07 21 16 00-0024</b>			<b>Poly-Encapsulated, Fiberglass Flexible Insulation</b> (07 21 16 00-0001)		
07 21 16 00-0025	SF		3-1/2" Thick, Poly-Encapsulated, R-11 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.69 -0.18	0.55
07 21 16 00-0026	SF		3-1/2" Thick, Poly-Encapsulated, R-13 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	1.80 -0.20	0.55
07 21 16 00-0027	SF		5-1/2" Thick, Poly-Encapsulated, R-21 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.42 -0.32	0.55
07 21 16 00-0028	SF		6-1/2" Thick, Poly-Encapsulated, R-19 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.05 -0.23	0.55
07 21 16 00-0029	SF		8-1/4" Thick, Poly-Encapsulated, R-25 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	2.69 -0.35	0.69
07 21 16 00-0030	SF		10-1/4" Thick, Poly-Encapsulated, R-30 Fiberglass Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.04 -0.38	0.69

<b>07 21 16 00-0031</b>			<b>Mineral Wool Flexible Insulation</b> (07 21 16)		
<b>07 21 16 00-0032</b>			<b>Kraft Faced, Mineral Wool Flexible Insulation</b> (07 21 16 00-0031)		
07 21 16 00-0033	SF		3-1/2" Kraft Faced, R-11 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	1.82 -0.20	0.55
07 21 16 00-0034	SF		6-1/4" Kraft Faced, R-19 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	2.38 -0.30	0.55
07 21 16 00-0035	SF		9-1/2" Kraft Faced, R-30 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	3.63 -0.53	0.55
07 21 16 00-0036	SF		12" Kraft Faced, R-38 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	4.30 -0.63	0.55

<b>07 21 16 00-0037</b>			<b>Unfaced, Mineral Wool Flexible Insulation</b> (07 21 16 00-0031)		
07 21 16 00-0038	SF		3-1/2" Unfaced, R-11 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	1.71 -0.18	0.55
07 21 16 00-0039	SF		6-1/4" Unfaced, R-19 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	2.20 -0.26	0.55
07 21 16 00-0040	SF		9-1/2" Unfaced, R-30 Mineral Wool Flexible Insulation..... <i>For &gt;1,600, Deduct</i>	3.28 -0.46	0.55
07 21 16 00-0041	SF		12" Unfaced, R-38 Mineral Wool Flexible Insulation ..... <i>For &gt;1,600, Deduct</i>	3.89 -0.55	0.55

<b>07 21 16 00-0042</b>			<b>Natural Cotton Insulation</b> (07 21 16)		
<b>07 21 16 00-0043</b>			<b>UltraTouch™ Natural Cotton Insulation</b> (07 21 16 00-0042) Note: 85% recycled denim cotton.		
07 21 16 00-0044	SF		3-1/2", R-13 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	2.42 -0.32	0.55
07 21 16 00-0045	SF		5-1/2", R-19 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	2.69 -0.37	0.55
07 21 16 00-0046	SF		5-1/2", R-21 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	2.98 -0.43	0.55
07 21 16 00-0047	SF		8", R-30 UltraTouch™ Natural Cotton Insulation ..... <i>For &gt;1,600, Deduct</i>	3.93 -0.60	0.55

**07 21 19 Foamed-In-Place Insulation** (07 21)

<b>07 21 19 00-0001</b>			<b>Polyurethane Foam Insulation, Sprayed On</b> (07 21 19)		
07 21 19 00-0002	EA		Foamed-In-Place, Spray Polyurethane Insulation Minimum Charge ..... Note: For projects where the total foamed-in-place insulation charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	1,719.54	
07 21 19 00-0003	SF		1" Thick, R3.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation..... <i>For Up To 250 SF, Add</i> <i>For &gt;250 To 500 SF, Add</i> <i>For &gt;500 To 1,000 SF, Add</i> <i>For &gt;5,000 To 10,000 SF, Deduct</i> <i>For &gt;10,000 SF, Deduct</i>	1.70 0.66 0.33 0.14 -0.21 -0.52	
07 21 19 00-0004	SF		1-1/2" Thick, R5.7, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation ..... <i>For Up To 250 SF, Add</i> <i>For &gt;250 To 500 SF, Add</i> <i>For &gt;500 To 1,000 SF, Add</i> <i>For &gt;5,000 To 10,000 SF, Deduct</i> <i>For &gt;10,000 SF, Deduct</i>	2.28 0.86 0.43 0.18 -0.27 -0.67	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 21 Thermal Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 21 19 00-0005	SF	2" Thick, R7.6, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	2.85	
		<i>For Up To 250 SF, Add</i>	1.05	
		<i>For &gt;250 To 500 SF, Add</i>	0.52	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.22	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.33	
		<i>For &gt;10,000 SF, Deduct</i>	-0.83	
07 21 19 00-0006	SF	2-1/2" Thick, R9.5, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation .....	3.44	
		<i>For Up To 250 SF, Add</i>	1.25	
		<i>For &gt;250 To 500 SF, Add</i>	0.62	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.27	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.40	
		<i>For &gt;10,000 SF, Deduct</i>	-0.98	
07 21 19 00-0007	SF	3" Thick, R11.4, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.02	
		<i>For Up To 250 SF, Add</i>	1.44	
		<i>For &gt;250 To 500 SF, Add</i>	0.72	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.31	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.46	
		<i>For &gt;10,000 SF, Deduct</i>	-1.13	
07 21 19 00-0008	SF	3-1/2" Thick, R13.3, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	4.60	
		<i>For Up To 250 SF, Add</i>	1.64	
		<i>For &gt;250 To 500 SF, Add</i>	0.82	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.35	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.52	
		<i>For &gt;10,000 SF, Deduct</i>	-1.29	
07 21 19 00-0009	SF	4" Thick, R15.2, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.19	
		<i>For Up To 250 SF, Add</i>	1.84	
		<i>For &gt;250 To 500 SF, Add</i>	0.92	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.39	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.59	
		<i>For &gt;10,000 SF, Deduct</i>	-1.44	
07 21 19 00-0010	SF	4-1/2" Thick, R17.1, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	5.77	
		<i>For Up To 250 SF, Add</i>	2.03	
		<i>For &gt;250 To 500 SF, Add</i>	1.02	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.43	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.65	
		<i>For &gt;10,000 SF, Deduct</i>	-1.60	
07 21 19 00-0011	SF	5" Thick, R19.0, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.34	
		<i>For Up To 250 SF, Add</i>	2.22	
		<i>For &gt;250 To 500 SF, Add</i>	1.11	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.48	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.71	
		<i>For &gt;10,000 SF, Deduct</i>	-1.75	
07 21 19 00-0012	SF	5-1/2" Thick, R20.9, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	6.93	
		<i>For Up To 250 SF, Add</i>	2.42	
		<i>For &gt;250 To 500 SF, Add</i>	1.21	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.52	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.78	
		<i>For &gt;10,000 SF, Deduct</i>	-1.90	
07 21 19 00-0013	SF	6" Thick, R22.8, 0.5 PCF, Open Cell, Spray Polyurethane Foam Insulation.....	7.50	
		<i>For Up To 250 SF, Add</i>	2.61	
		<i>For &gt;250 To 500 SF, Add</i>	1.31	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.56	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.84	
		<i>For &gt;10,000 SF, Deduct</i>	-2.05	
07 21 19 00-0014	SF	1" Thick, R6.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	3.25	
		<i>For Up To 250 SF, Add</i>	1.25	
		<i>For &gt;250 To 500 SF, Add</i>	0.62	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.26	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.39	
		<i>For &gt;10,000 SF, Deduct</i>	-0.99	
07 21 19 00-0015	SF	1-1/2" Thick, R9.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	4.29	
		<i>For Up To 250 SF, Add</i>	1.58	
		<i>For &gt;250 To 500 SF, Add</i>	0.79	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.33	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.50	
		<i>For &gt;10,000 SF, Deduct</i>	-1.24	
07 21 19 00-0016	SF	2" Thick, R13.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	5.19	
		<i>For Up To 250 SF, Add</i>	1.84	
		<i>For &gt;250 To 500 SF, Add</i>	0.92	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.39	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.59	
		<i>For &gt;10,000 SF, Deduct</i>	-1.44	
07 21 19 00-0017	SF	2-1/2" Thick, R16.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	6.21	
		<i>For Up To 250 SF, Add</i>	2.16	
		<i>For &gt;250 To 500 SF, Add</i>	1.08	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.46	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.69	
		<i>For &gt;10,000 SF, Deduct</i>	-1.69	
07 21 19 00-0018	SF	3" Thick, R19.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	7.11	
		<i>For Up To 250 SF, Add</i>	2.42	
		<i>For &gt;250 To 500 SF, Add</i>	1.21	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.52	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.78	
		<i>For &gt;10,000 SF, Deduct</i>	-1.90	
07 21 19 00-0019	SF	3-1/2" Thick, R22.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	8.14	
		<i>For Up To 250 SF, Add</i>	2.74	
		<i>For &gt;250 To 500 SF, Add</i>	1.37	
		<i>For &gt;500 To 1,000 SF, Add</i>	0.59	
		<i>For &gt;5,000 To 10,000 SF, Deduct</i>	-0.89	
		<i>For &gt;10,000 SF, Deduct</i>	-2.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 21 19 00-0020	SF		4" Thick, R26.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	9.05	
			For Up To 250 SF, Add	3.01	
			For >250 To 500 SF, Add	1.50	
			For >500 To 1,000 SF, Add	0.65	
			For >5,000 To 10,000 SF, Deduct	-0.98	
			For >10,000 SF, Deduct	-2.36	
07 21 19 00-0021	SF		4-1/2" Thick, R29.25, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	10.07	
			For Up To 250 SF, Add	3.33	
			For >250 To 500 SF, Add	1.66	
			For >500 To 1,000 SF, Add	0.72	
			For >5,000 To 10,000 SF, Deduct	-1.08	
			For >10,000 SF, Deduct	-2.61	
07 21 19 00-0022	SF		5" Thick, R32.5, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	10.97	
			For Up To 250 SF, Add	3.59	
			For >250 To 500 SF, Add	1.79	
			For >500 To 1,000 SF, Add	0.78	
			For >5,000 To 10,000 SF, Deduct	-1.17	
			For >10,000 SF, Deduct	-2.81	
07 21 19 00-0023	SF		5-1/2" Thick, R35.75, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	11.99	
			For Up To 250 SF, Add	3.91	
			For >250 To 500 SF, Add	1.96	
			For >500 To 1,000 SF, Add	0.85	
			For >5,000 To 10,000 SF, Deduct	-1.28	
			For >10,000 SF, Deduct	-3.06	
07 21 19 00-0024	SF		6" Thick, R39.0, 2.0 PCF, Closed Cell, Spray Polyurethane Foam Insulation .....	12.90	
			For Up To 250 SF, Add	4.17	
			For >250 To 500 SF, Add	2.09	
			For >500 To 1,000 SF, Add	0.91	
			For >5,000 To 10,000 SF, Deduct	-1.37	
			For >10,000 SF, Deduct	-3.26	
<b>07 21 19 00-0025</b>			<b>Expanding Foam Insulation To Fill Hollow Metal Door Frames (07 21 19)</b>		
07 21 19 00-0026	LF		Expanding Foam Insulation To Fill 4-3/4" Deep Hollow Metal Door Frame .....	5.68	
07 21 19 00-0027	LF		Expanding Foam Insulation To Fill 5-3/4" Deep Hollow Metal Door Frame .....	7.09	
07 21 19 00-0028	LF		Expanding Foam Insulation To Fill 6-3/4" Deep Hollow Metal Door Frame .....	8.52	
07 21 19 00-0029	LF		Expanding Foam Insulation To Fill 6-3/4" Through 8-3/4" Deep Hollow Metal Door Frame .....	9.99	
07 21 19 00-0030	LF		Expanding Foam Insulation To Fill 8-7/8" Through 13" Deep Hollow Metal Door Frame.....	11.55	
<b>07 21 19 00-0031</b>			<b>Expanding Foam Insulation To Fill Window Frames (07 21 19)</b>		
07 21 19 00-0032	LF		Expanding Foam Insulation To Fill Window Frame.....	5.57	
<b>07 21 23</b>			<b>Loose-Fill Insulation (07 21)</b>		
<b>07 21 23 00-0001</b>			<b>Poured Type, Loose Fill Insulation (07 21 23)</b>		
07 21 23 00-0002	CF		R-4/Inch, Poured Type, Fiberglass Loose Fill Insulation.....	7.92	3.18
07 21 23 00-0003	CF		R-3.8/Inch, Poured Type, Cellulose Loose Fill Insulation .....	7.95	3.18
<b>07 21 23 00-0004</b>			<b>Concrete Block Wall Cavity Insulation (07 21 23)</b>		
07 21 23 00-0005	CF		R-2.7, Vermiculite Or Perlite, Concrete Block Wall Cavity Insulation.....	10.62	3.18
07 21 23 00-0006	CF		R-4, Polystyrene Foam, Concrete Block Wall Cavity Insulation.....	10.54	3.18
<b>07 21 26</b>			<b>Blown Insulation (07 21)</b>		
<b>07 21 26 00-0001</b>			<b>Fiberglass Blown-In Insulation (07 21 26)</b>		
<b>07 21 26 00-0002</b>			<b>Attic, Fiberglass Blown-In Insulation (07 21 26 00-0001)</b>		
07 21 26 00-0003	SF		4-1/2" Thick, R-11 Attic, Fiberglass Blown In Insulation.....	1.72	1.44
07 21 26 00-0004	SF		5-1/4" Thick, R-13 Attic, Fiberglass Blown In Insulation.....	1.90	1.58
07 21 26 00-0005	SF		6-1/2" Thick, R-17 Attic, Fiberglass Blown In Insulation.....	2.12	1.73
07 21 26 00-0006	SF		7-1/2" Thick, R-19 Attic, Fiberglass Blown In Insulation.....	2.35	1.87
07 21 26 00-0007	SF		8-1/2" Thick, R-22 Attic, Fiberglass Blown In Insulation.....	2.49	1.94
07 21 26 00-0008	SF		10-1/4" Thick, R-26 Attic, Fiberglass Blown In Insulation.....	2.66	2.01
07 21 26 00-0009	SF		11-1/2" Thick, R-30 Attic, Fiberglass Blown In Insulation.....	2.85	2.09
07 21 26 00-0010	SF		12-1/2" Thick, R-32 Attic, Fiberglass Blown In Insulation.....	2.98	2.15
07 21 26 00-0011	SF		13-1/2" Thick, R-35 Attic, Fiberglass Blown In Insulation.....	3.19	2.29
07 21 26 00-0012	SF		14-1/2" Thick, R-38 Attic, Fiberglass Blown In Insulation.....	3.36	2.37
07 21 26 00-0013	SF		16-1/2" Thick, R-44 Attic, Fiberglass Blown In Insulation.....	3.60	2.45
07 21 26 00-0014	SF		18-1/2" Thick, R-49 Attic, Fiberglass Blown In Insulation.....	3.89	2.59
07 21 26 00-0015	SF		21-3/4" Thick, R-60 Attic, Fiberglass Blown In Insulation.....	4.47	2.87
<b>07 21 26 00-0016</b>			<b>New Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)</b>		
07 21 26 00-0017	SF		3-1/2" Thick, R-15 New Wall, Fiberglass Blown In Insulation .....	2.38	1.44
07 21 26 00-0018	SF		5-1/2" Thick, R-23 New Wall, Fiberglass Blown In Insulation .....	3.14	1.73
07 21 26 00-0019	SF		7-1/4" Thick, R-31 New Wall, Fiberglass Blown In Insulation .....	3.68	1.87
07 21 26 00-0020	SF		9-1/4" Thick, R-39 New Wall, Fiberglass Blown In Insulation .....	4.33	2.01
<b>07 21 26 00-0021</b>			<b>Existing Wall, Fiberglass Blown-In Insulation (07 21 26 00-0001)</b>		
			Note: Includes drilling. Excludes patching.		
07 21 26 00-0022	SF		3-1/2" Thick, R-15 Existing Wall, Fiberglass Blown In Insulation .....	2.27	1.44
07 21 26 00-0023	SF		5-1/2" Thick, R-23 Existing Wall, Fiberglass Blown In Insulation .....	3.03	1.73

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 21 Thermal Insulation**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 21 26 00-0024	SF	7-1/4" Thick, R-31 Existing Wall, Fiberglass Blown In Insulation .....		3.57	1.87
07 21 26 00-0025	SF	9-1/4" Thick, R-39 Existing Wall, Fiberglass Blown In Insulation .....		4.22	2.01
<b>07 21 26 00-0026</b>		<b>Cellulose Blown-In Insulation (07 21 26)</b>			
<b>07 21 26 00-0027</b>		<b>Attic, Cellulose Blown-In Insulation (07 21 26 00-0026)</b>			
07 21 26 00-0028	SF	3-3/4" Thick, R-13 Attic, Cellulose Blown In Insulation .....		1.69	1.44
07 21 26 00-0029	SF	5-1/2" Thick, R-19 Attic, Cellulose Blown In Insulation .....		1.97	1.58
07 21 26 00-0030	SF	6-1/4" Thick, R-22 Attic, Cellulose Blown In Insulation .....		2.19	1.73
07 21 26 00-0031	SF	7-3/4" Thick, R-28 Attic, Cellulose Blown In Insulation .....		2.49	1.87
07 21 26 00-0032	SF	8-1/2" Thick, R-30 Attic, Cellulose Blown In Insulation .....		2.52	1.87
07 21 26 00-0033	SF	10-3/4" Thick, R-38 Attic, Cellulose Blown In Insulation .....		2.86	2.01
07 21 26 00-0034	SF	11-1/4" Thick, R-40 Attic, Cellulose Blown In Insulation .....		2.92	2.01
07 21 26 00-0035	SF	12-1/2" Thick, R-45 Attic, Cellulose Blown In Insulation .....		3.17	2.15
07 21 26 00-0036	SF	13-3/4" Thick, R-50 Attic, Cellulose Blown In Insulation .....		3.31	2.15
07 21 26 00-0037	SF	15-1/2" Thick, R-55 Attic, Cellulose Blown In Insulation .....		3.56	2.29
07 21 26 00-0038	SF	16-1/2" Thick, R-60 Attic, Cellulose Blown In Insulation .....		3.70	2.29
<b>07 21 26 00-0039</b>		<b>New Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)</b>			
07 21 26 00-0040	SF	3-1/2" Thick, R-13 New Wall, Cellulose Blown In Insulation .....		2.09	1.44
07 21 26 00-0041	SF	5-1/2" Thick, R-20 New Wall, Cellulose Blown In Insulation .....		2.70	1.73
07 21 26 00-0042	SF	7-1/4" Thick, R-27 New Wall, Cellulose Blown In Insulation .....		3.09	1.87
07 21 26 00-0043	SF	9-1/4" Thick, R-34 New Wall, Cellulose Blown In Insulation .....		3.57	2.01
<b>07 21 26 00-0044</b>		<b>Existing Wall, Cellulose Blown-In Insulation (07 21 26 00-0026)</b>			
		Note: Includes drilling. Excludes patching.			
07 21 26 00-0045	SF	3-1/2" Thick, R-13 Existing Wall, Cellulose Blown In Insulation .....		1.98	1.44
07 21 26 00-0046	SF	5-1/2" Thick, R-20 Existing Wall, Cellulose Blown In Insulation .....		2.59	1.73
07 21 26 00-0047	SF	7-1/4" Thick, R-27 Existing Wall, Cellulose Blown In Insulation .....		2.98	1.87
07 21 26 00-0048	SF	9-1/4" Thick, R-34 Existing Wall, Cellulose Blown In Insulation .....		3.46	2.01
<b>07 21 29</b>		<b>Sprayed Insulation (07 21)</b>			
<b>07 21 29 00-0001</b>		<b>Fiber Sprayed On Insulation (07 21 29)</b>			
		Note: Per each 1" of thickness.			
07 21 29 00-0002	SF	1" Thick, R2.7, Spray-on Perlite Insulation .....		2.65	0.80
07 21 29 00-0003	SF	1" Thick, R3.7, Spray-on Fibrous/Cementitious Insulation .....		1.94	0.80
<b>07 21 29 00-0004</b>		<b>Cellulose Sprayed On Insulation (07 21 29)</b>			
07 21 29 00-0005	SF	1" Thick, Spray-on Cellulose Insulation .....		3.71	0.80
<b>07 22</b>		<b>Roof and Deck Insulation (07 20)</b>			
<b>07 22 16</b>		<b>Roof Board Insulation (07 22)</b>			
		Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. Types are stock sizes set in cold applied adhesive. Apply modifiers for specified alternate attachment.			
<b>07 22 16 00-0001</b>		<b>Rigid Board Roofing Insulation (07 22 16)</b>			
		Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements. See CSI section 07 22 16 00-0466 for demolition of insulation board.			
<b>07 22 16 00-0002</b>		<b>Cold Adhesive Applied Rigid Board Roofing Insulation (07 22 16 00-0001)</b>			
<b>07 22 16 00-0003</b>		<b>Cold Adhesive Applied, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0002)</b>			
07 22 16 00-0004	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....		2.49	
07 22 16 00-0005	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....		2.91	
07 22 16 00-0006	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....		3.33	
07 22 16 00-0007	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....		4.09	
07 22 16 00-0008	SF	2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Cold Adhesive Applied .....		4.84	
<b>07 22 16 00-0009</b>		<b>Cold Adhesive Applied, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0002)</b>			
07 22 16 00-0010	SF	1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied .....		2.71	
07 22 16 00-0011	SF	1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Cold Adhesive Applied .....		3.20	
<b>07 22 16 00-0012</b>		<b>Cold Adhesive Applied, Perlite, Roof Board Insulation (07 22 16 00-0002)</b>			
07 22 16 00-0013	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied .....		2.44	
07 22 16 00-0014	SF	1/2" Thick, R1.32, Perlite, Roof Board Insulation, Cold Adhesive Applied .....		2.44	
07 22 16 00-0015	SF	3/4" Thick, R2.08, Perlite, Roof Board Insulation, Cold Adhesive Applied .....		2.69	
07 22 16 00-0016	SF	1" Thick, R2.78, Perlite, Roof Board Insulation, Cold Adhesive Applied .....		2.99	
07 22 16 00-0017	SF	1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Cold Adhesive Applied .....		3.73	
07 22 16 00-0018	SF	2" Thick, R5.56, Perlite, Roof Board Insulation, Cold Adhesive Applied .....		4.20	
<b>07 22 16 00-0019</b>		<b>Cold Adhesive Applied, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0002)</b>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0020	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	3.39	
07 22 16 00-0021	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	4.57	
07 22 16 00-0022	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Cold Adhesive Applied .....	5.96	
<b>07 22 16 00-0023</b>			<b>Cold Adhesive Applied, Foam Glass (Cellular Glass), Roof Board Insulation</b> <i>(07 22 16 00-0002)</i>		
07 22 16 00-0024	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	6.34	
07 22 16 00-0025	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	7.48	
07 22 16 00-0026	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	9.75	
07 22 16 00-0027	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Cold Adhesive Applied .....	12.88	
<b>07 22 16 00-0028</b>			<b>Cold Adhesive Applied, Molded Expanded Polystyrene, Roof Board Insulation</b> <i>(07 22 16 00-0002)</i>		
07 22 16 00-0029	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.48	
			<i>For Loose-Laid, Deduct</i>	-1.36	
07 22 16 00-0030	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.55	
			<i>For Loose-Laid, Deduct</i>	-1.36	
07 22 16 00-0031	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	2.82	
			<i>For Loose-Laid, Deduct</i>	-1.36	
07 22 16 00-0032	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	3.10	
			<i>For Loose-Laid, Deduct</i>	-1.37	
07 22 16 00-0033	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	4.21	
			<i>For Loose-Laid, Deduct</i>	-1.38	
07 22 16 00-0034	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	5.33	
			<i>For Loose-Laid, Deduct</i>	-1.40	
07 22 16 00-0035	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	6.44	
			<i>For Loose-Laid, Deduct</i>	-1.42	
07 22 16 00-0036	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	7.55	
			<i>For Loose-Laid, Deduct</i>	-1.43	
07 22 16 00-0037	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Cold Adhesive Applied .....	8.66	
			<i>For Loose-Laid, Deduct</i>	-1.45	
<b>07 22 16 00-0038</b>			<b>Cold Adhesive Applied, Extruded Polystyrene, Roof Board Insulation</b> <i>(07 22 16 00-0002)</i>		
			Note: 15 PSI compressive strength.		
07 22 16 00-0039	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	3.24	
			<i>For Loose-Laid, Deduct</i>	-1.26	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For 40 PSI Compressive Strength, Add</i>	0.81	
			<i>For 60 PSI Compressive Strength, Add</i>	1.30	
			<i>For 115 PSI Compressive Strength, Add</i>	5.61	
07 22 16 00-0040	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	3.29	
			<i>For Loose-Laid, Deduct</i>	-1.26	
			<i>For 25 PSI Compressive Strength, Add</i>	0.35	
			<i>For 40 PSI Compressive Strength, Add</i>	0.83	
			<i>For 60 PSI Compressive Strength, Add</i>	1.33	
			<i>For 115 PSI Compressive Strength, Add</i>	5.74	
07 22 16 00-0041	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	4.21	
			<i>For Loose-Laid, Deduct</i>	-1.26	
			<i>For 25 PSI Compressive Strength, Add</i>	0.50	
			<i>For 40 PSI Compressive Strength, Add</i>	1.18	
			<i>For 60 PSI Compressive Strength, Add</i>	1.86	
			<i>For 100 PSI Compressive Strength, Add</i>	2.39	
			<i>For 115 PSI Compressive Strength, Add</i>	8.10	
07 22 16 00-0042	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	4.79	
			<i>For Loose-Laid, Deduct</i>	-1.28	
			<i>For 25 PSI Compressive Strength, Add</i>	0.59	
			<i>For 40 PSI Compressive Strength, Add</i>	1.39	
			<i>For 60 PSI Compressive Strength, Add</i>	2.18	
			<i>For 115 PSI Compressive Strength, Add</i>	9.52	
07 22 16 00-0043	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	5.84	
			<i>For Loose-Laid, Deduct</i>	-1.28	
			<i>For 25 PSI Compressive Strength, Add</i>	0.75	
			<i>For 40 PSI Compressive Strength, Add</i>	1.79	
			<i>For 60 PSI Compressive Strength, Add</i>	2.79	
			<i>For 100 PSI Compressive Strength, Add</i>	3.59	
			<i>For 115 PSI Compressive Strength, Add</i>	12.22	
07 22 16 00-0044	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	6.30	
			<i>For Loose-Laid, Deduct</i>	-1.29	
			<i>For 25 PSI Compressive Strength, Add</i>	0.82	
			<i>For 40 PSI Compressive Strength, Add</i>	1.95	
			<i>For 60 PSI Compressive Strength, Add</i>	3.04	
			<i>For 115 PSI Compressive Strength, Add</i>	13.33	
07 22 16 00-0045	SF		4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Cold Adhesive Applied .....	7.07	
			<i>For Loose-Laid, Deduct</i>	-1.31	
			<i>For 25 PSI Compressive Strength, Add</i>	0.94	
			<i>For 40 PSI Compressive Strength, Add</i>	2.23	
			<i>For 60 PSI Compressive Strength, Add</i>	3.47	
			<i>For 115 PSI Compressive Strength, Add</i>	15.23	
<b>07 22 16 00-0046</b>			<b>Cold Adhesive Applied, Polyisocyanurate Board Roofing Insulation</b> <i>(07 22 16 00-0002)</i>		
07 22 16 00-0047	SF		3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied .....	2.90	
			<i>For Loose-Laid, Deduct</i>	-1.26	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.18	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0048	SF	1"	Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	3.01	
			<i>For Loose-Laid, Deduct</i>	-1.26	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.19	
07 22 16 00-0049	SF	1-1/2"	Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	3.19	
			<i>For Loose-Laid, Deduct</i>	-1.27	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.21	
07 22 16 00-0050	SF	2"	Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	3.65	
			<i>For Loose-Laid, Deduct</i>	-1.28	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.25	
07 22 16 00-0051	SF	2-1/2"	Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	4.13	
			<i>For Loose-Laid, Deduct</i>	-1.29	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
07 22 16 00-0052	SF	3"	Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	4.59	
			<i>For Loose-Laid, Deduct</i>	-1.29	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
07 22 16 00-0053	SF	3-1/2"	Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	5.09	
			<i>For Loose-Laid, Deduct</i>	-1.30	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.39	
07 22 16 00-0054	SF	4"	Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Cold Adhesive Applied.....	5.55	
			<i>For Loose-Laid, Deduct</i>	-1.31	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.44	
07 22 16 00-0055			<b>Cold Adhesive Applied, High-Density Polyisocyanurate Cover Board And Roofing Insulation</b> (07 22 16 00-0002)		
07 22 16 00-0056	SF	1/2"	Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Cold Adhesive Applied.....	3.28	
07 22 16 00-0057			<b>Cold Adhesive Applied, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0002)		
07 22 16 00-0058	SF	1/4"	Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	3.10	
07 22 16 00-0059	SF	3/8"	Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	3.29	
07 22 16 00-0060	SF	1/2"	Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	3.42	
07 22 16 00-0061	SF	5/8"	Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Cold Adhesive Applied.....	3.49	
07 22 16 00-0062			<b>Cold Adhesive Applied, Glass-Mat, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0002)		
07 22 16 00-0063	SF	1/4"	Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.03	
07 22 16 00-0064	SF	1/2"	Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.32	
07 22 16 00-0065	SF	5/8"	Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Cold Adhesive Applied.....	3.39	
07 22 16 00-0066			<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation</b> (07 22 16 00-0002)		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0067	SF	1.5"	Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.28	
07 22 16 00-0068	SF	2"	Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.55	
07 22 16 00-0069	SF	2.5"	Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.92	
07 22 16 00-0070	SF	3"	Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.15	
07 22 16 00-0071	SF	3.5"	Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.69	
07 22 16 00-0072	SF	4"	Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.91	
07 22 16 00-0073	SF	4.5"	Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	7.26	
07 22 16 00-0074			<b>Cold Adhesive Applied, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation</b> (07 22 16 00-0002)		
			Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer.		
07 22 16 00-0075	SF	2.5"	Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.33	
07 22 16 00-0076	SF	3"	Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	5.81	
07 22 16 00-0077	SF	3.5"	Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.38	
07 22 16 00-0078	SF	4"	Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	6.75	
07 22 16 00-0079	SF	4.5"	Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	7.22	
07 22 16 00-0080	SF	5"	Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	7.74	
07 22 16 00-0081	SF	5.5"	Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Cold Adhesive Applied.....	8.65	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0082			Hot-Mopped Rigid Board Roofing Insulation (07 22 16 00-0001)		
07 22 16 00-0083			Hot-Mopped, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0084	SF		1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.19	
07 22 16 00-0085	SF		25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	2.62	
07 22 16 00-0086	SF		1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	3.05	
07 22 16 00-0087	SF		1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped .....	3.82	
07 22 16 00-0088	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Hot-Mopped.....	4.59	
07 22 16 00-0089			Hot-Mopped, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0090	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped .....	2.43	
07 22 16 00-0091	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Hot-Mopped.....	2.92	
07 22 16 00-0092			Hot-Mopped, Perlite, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0093	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Hot-Mopped .....	2.13	
07 22 16 00-0094	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Hot-Mopped .....	2.37	
07 22 16 00-0095	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Hot-Mopped .....	2.68	
07 22 16 00-0096	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Hot-Mopped .....	3.42	
07 22 16 00-0097	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Hot-Mopped .....	3.88	
07 22 16 00-0098			Hot-Mopped, Basalt Mineral Wool, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0099	SF		1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	3.08	
07 22 16 00-0100	SF		2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	4.25	
07 22 16 00-0101	SF		3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Hot-Mopped.....	5.66	
07 22 16 00-0102			Hot-Mopped, Foam Glass (Cellular Glass), Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0103	SF		1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	6.03	
07 22 16 00-0104	SF		2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	7.17	
07 22 16 00-0105	SF		2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	9.45	
07 22 16 00-0106	SF		3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Hot-Mopped .....	12.58	
07 22 16 00-0107			Hot-Mopped, Molded Expanded Polystyrene, Roof Board Insulation (07 22 16 00-0082)		
07 22 16 00-0108	SF		3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	2.19	
07 22 16 00-0109	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	2.26	
07 22 16 00-0110	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	2.40	
07 22 16 00-0111	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	2.80	
07 22 16 00-0112	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	3.92	
07 22 16 00-0113	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	5.05	
07 22 16 00-0114	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	6.16	
07 22 16 00-0115	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	7.28	
07 22 16 00-0116	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Hot-Mopped .....	8.39	
07 22 16 00-0117			Hot-Mopped, Extruded Polystyrene, Roof Board Insulation (07 22 16 00-0082) Note: 15 PSI compressive strength.		
07 22 16 00-0118	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	2.92	
			For 25 PSI Compressive Strength, Add	0.28	
			For 40 PSI Compressive Strength, Add	0.65	
			For 60 PSI Compressive Strength, Add	1.06	
			For 115 PSI Compressive Strength, Add	4.54	
07 22 16 00-0119	SF		1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	2.97	
			For 25 PSI Compressive Strength, Add	0.28	
			For 40 PSI Compressive Strength, Add	0.67	
			For 60 PSI Compressive Strength, Add	1.08	
			For 115 PSI Compressive Strength, Add	4.64	
07 22 16 00-0120	SF		1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	3.90	
			For 25 PSI Compressive Strength, Add	0.43	
			For 40 PSI Compressive Strength, Add	1.02	
			For 60 PSI Compressive Strength, Add	1.62	
			For 100 PSI Compressive Strength, Add	2.08	
			For 115 PSI Compressive Strength, Add	7.03	
07 22 16 00-0121	SF		2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	4.60	
			For 25 PSI Compressive Strength, Add	0.52	
			For 40 PSI Compressive Strength, Add	1.23	
			For 60 PSI Compressive Strength, Add	1.95	
			For 115 PSI Compressive Strength, Add	8.46	
07 22 16 00-0122	SF		2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	16.66	
			For 25 PSI Compressive Strength, Add	0.69	
			For 40 PSI Compressive Strength, Add	1.63	
			For 60 PSI Compressive Strength, Add	3.11	
			For 100 PSI Compressive Strength, Add	3.84	
			For 115 PSI Compressive Strength, Add	12.26	
07 22 16 00-0123	SF		3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped .....	6.00	
			For 25 PSI Compressive Strength, Add	0.76	
			For 40 PSI Compressive Strength, Add	1.79	
			For 60 PSI Compressive Strength, Add	2.80	
			For 115 PSI Compressive Strength, Add	12.26	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0124	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Hot-Mopped	6.76	
		<i>For 25 PSI Compressive Strength, Add</i>	0.87	
		<i>For 40 PSI Compressive Strength, Add</i>	2.07	
		<i>For 60 PSI Compressive Strength, Add</i>	3.23	
		<i>For 115 PSI Compressive Strength, Add</i>	14.16	
<b>07 22 16 00-0125</b>		<b>Hot-Mopped, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0082)</b>		
07 22 16 00-0126	SF	3/4" Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.59	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.14	
07 22 16 00-0127	SF	1" Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.70	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.15	
07 22 16 00-0128	SF	1-1/2" Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	2.88	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.17	
07 22 16 00-0129	SF	2" Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.34	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.21	
07 22 16 00-0130	SF	2-1/2" Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	3.81	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.26	
07 22 16 00-0131	SF	3" Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.28	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.30	
07 22 16 00-0132	SF	3-1/2" Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	4.67	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.35	
07 22 16 00-0133	SF	4" Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Hot-Mopped	5.23	
		<i>For Foil Facer, Add</i>	0.36	
		<i>For 25 PSI Compressive Strength, Add</i>	0.39	
<b>07 22 16 00-0134</b>		<b>Hot-Mopped, Gypsum-Fiber, Roof Board Insulation (USG Securock) (07 22 16 00-0082)</b>		
07 22 16 00-0135	SF	1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.80	
07 22 16 00-0136	SF	3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	2.99	
07 22 16 00-0137	SF	1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.12	
07 22 16 00-0138	SF	5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Hot-Mopped	3.18	
<b>07 22 16 00-0139</b>		<b>Hot-Mopped, Glass-Mat, Roof Board Insulation (USG Securock) (07 22 16 00-0082)</b>		
07 22 16 00-0140	SF	1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	2.73	
07 22 16 00-0141	SF	1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.02	
07 22 16 00-0142	SF	5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Hot-Mopped	3.09	
<b>07 22 16 00-0143</b>		<b>Mechanically Fastened Rigid Board Roofing Insulation (07 22 16 00-0001)</b>		
		Note: Mechanically fastened to wood or steel.		
<b>07 22 16 00-0144</b>		<b>Mechanically Fastened, High-Density Fiberboard, Roof Board Insulation (07 22 16 00-0143)</b>		
		Note: Mechanically fastened to wood or steel.		
07 22 16 00-0145	SF	1/2" Thick, R1.3, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.31	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.46	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.50	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0146	SF	25/32" Thick, R1.9, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	2.73	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.48	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.52	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0147	SF	1" Thick, R2.5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	3.15	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.51	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.55	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0148	SF	1-1/2" Thick, R3.8, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened	4.01	
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 22 16 00-0149	SF		2" Thick, R5, High-Density Fiberboard, Roof Board Insulation, Mechanically Fastened.....	4.76	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	

**07 22 16 00-0150 Mechanically Fastened, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation** (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0151	SF		1/2" Thick, R1.3, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened .....	2.53	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.51	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.55	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0152	SF		1" Thick, R2.6, Wood Fiber (Cellulosic-Fiber), Roof Board Insulation, Mechanically Fastened .....	3.02	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.51	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.55	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	

**07 22 16 00-0153 Mechanically Fastened, Perlite, Roof Board Insulation** (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0154	SF		1/2" Thick, R1.32, Perlite, Roof Board Insulation, Mechanically Fastened .....	2.26	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0155	SF		3/4" Thick, R2.08, Perlite, Roof Board Insulation, Mechanically Fastened .....	2.51	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0156	SF		1" Thick, R2.78, Perlite, Roof Board Insulation, Mechanically Fastened .....	2.81	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0157	SF		1-1/2" Thick, R4.17, Perlite, Roof Board Insulation, Mechanically Fastened .....	3.65	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0158	SF		2" Thick, R5.56, Perlite, Roof Board Insulation, Mechanically Fastened .....	4.11	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	

**07 22 16 00-0159 Mechanically Fastened, Basalt Mineral Wool, Roof Board Insulation** (07 22 16 00-0143)

Note: Mechanically fastened to wood or steel.

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0160	SF 1" Thick, R3.5, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	3.21
	<i>For Mechanically Fastened To Concrete, Add</i>	1.53
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.06
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.45
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90
07 22 16 00-0161	SF 2" Thick, R7.4, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	4.48
	<i>For Mechanically Fastened To Concrete, Add</i>	1.57
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.99
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94
07 22 16 00-0162	SF 3" Thick, R11.1, Basalt Mineral Wool, Roof Board Insulation, Mechanically Fastened.....	5.97
	<i>For Mechanically Fastened To Concrete, Add</i>	1.62
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.08
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.72
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.84
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.91
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22
07 22 16 00-0163	<b>Mechanically Fastened, Foam Glass (Cellular Glass), Roof Board Insulation</b> <small>(07 22 16 00-0143)</small> Note: Mechanically fastened to wood or steel.	
07 22 16 00-0164	SF 1-1/2" Thick, R5.16, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	6.26
	<i>For Mechanically Fastened To Concrete, Add</i>	1.57
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.06
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90
07 22 16 00-0165	SF 2" Thick, R6.88, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	7.39
	<i>For Mechanically Fastened To Concrete, Add</i>	1.57
	<i>For Mechanically Fastened To Gypsum, Add</i>	1.99
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94
07 22 16 00-0166	SF 2-3/4" Thick, R8.17, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	9.77
	<i>For Mechanically Fastened To Concrete, Add</i>	1.62
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.08
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.72
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.84
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.91
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22
07 22 16 00-0167	SF 3-1/2" Thick, R12.04, Foam Glass (Cellular Glass), Roof Board Insulation, Mechanically Fastened.....	13.06
	<i>For Mechanically Fastened To Concrete, Add</i>	1.66
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.00
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.26
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.72
07 22 16 00-0168	<b>Mechanically Fastened, Molded Expanded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small> Note: Mechanically fastened to wood or steel.	
07 22 16 00-0169	SF 3/8" Thick, R1.44, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.30
	<i>For Mechanically Fastened To Concrete, Add</i>	1.53
	<i>For Mechanically Fastened To Gypsum, Add</i>	2.06
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.48
	<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.52
	<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0170	SF		1/2" Thick, R1.93, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.37	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.48	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.52	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0171	SF		3/4" Thick, R2.89, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened.....	2.64	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.48	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.52	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0172	SF		1" Thick, R3.85, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened .....	2.92	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.48	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.52	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0173	SF		2" Thick, R7.70, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened .....	4.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	
07 22 16 00-0174	SF		3" Thick, R11.55, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened .....	5.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.84	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.99	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	
07 22 16 00-0175	SF		4" Thick, R15.40, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened .....	6.62	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46	
07 22 16 00-0176	SF		5" Thick, R19.25, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened .....	7.93	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.60	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.18	
07 22 16 00-0177	SF		6" Thick, R23.1, Molded Expanded Polystyrene, Roof Board Insulation (MEPS), Mechanically Fastened .....	9.56	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.05	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.88	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.57	
07 22 16 00-0178			<b>Mechanically Fastened, Extruded Polystyrene, Roof Board Insulation</b> <small>(07 22 16 00-0143)</small>		
			Note: 15 PSI compressive strength. Mechanically fastened to wood or steel.		
07 22 16 00-0179	SF		3/4" Thick, R3.7, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened .....	3.06	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
			<i>For 40 PSI Compressive Strength, Add</i>	0.74	
			<i>For 60 PSI Compressive Strength, Add</i>	1.19	
			<i>For 115 PSI Compressive Strength, Add</i>	5.15	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0180	SF	1" Thick, R5.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	3.11
		<i>For 25 PSI Compressive Strength, Add</i>	0.32
		<i>For 40 PSI Compressive Strength, Add</i>	0.76
		<i>For 60 PSI Compressive Strength, Add</i>	1.22
		<i>For 115 PSI Compressive Strength, Add</i>	5.28
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.45
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90
07 22 16 00-0181	SF	1-1/2" Thick, R7.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened .....	4.13
		<i>For 25 PSI Compressive Strength, Add</i>	0.48
		<i>For 40 PSI Compressive Strength, Add</i>	1.15
		<i>For 60 PSI Compressive Strength, Add</i>	1.81
		<i>For 100 PSI Compressive Strength, Add</i>	2.33
		<i>For 115 PSI Compressive Strength, Add</i>	7.90
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90
07 22 16 00-0182	SF	2" Thick, R10.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	4.71
		<i>For 25 PSI Compressive Strength, Add</i>	0.57
		<i>For 40 PSI Compressive Strength, Add</i>	1.36
		<i>For 60 PSI Compressive Strength, Add</i>	2.13
		<i>For 115 PSI Compressive Strength, Add</i>	9.31
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Gypsum, Add</i>	1.99
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94
07 22 16 00-0183	SF	2-1/2" Thick, R12.5, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened .....	5.85
		<i>For 25 PSI Compressive Strength, Add</i>	0.76
		<i>For 40 PSI Compressive Strength, Add</i>	1.79
		<i>For 60 PSI Compressive Strength, Add</i>	2.79
		<i>For 100 PSI Compressive Strength, Add</i>	3.60
		<i>For 115 PSI Compressive Strength, Add</i>	12.24
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.02
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.71
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.90
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13
07 22 16 00-0184	SF	3" Thick, R15.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	6.31
		<i>For 25 PSI Compressive Strength, Add</i>	0.82
		<i>For 40 PSI Compressive Strength, Add</i>	1.96
		<i>For 60 PSI Compressive Strength, Add</i>	3.05
		<i>For 115 PSI Compressive Strength, Add</i>	13.35
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.08
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.72
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.91
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22
07 22 16 00-0185	SF	4" Thick, R20.0, Extruded Polystyrene, Roof Board Insulation, Mechanically Fastened.....	7.25
		<i>For 25 PSI Compressive Strength, Add</i>	0.97
		<i>For 40 PSI Compressive Strength, Add</i>	2.30
		<i>For 60 PSI Compressive Strength, Add</i>	3.57
		<i>For 115 PSI Compressive Strength, Add</i>	15.69
		<i>For Mechanically Fastened To Concrete, Add</i>	1.66
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.07
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46

07 22 16 00-0186 Mechanically Fastened, Polyisocyanurate Board Roofing Insulation (07 22 16 00-0143)  
Note: Mechanically fastened to wood or steel.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0187	SF	3/4"	Thick, R4.3, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.72	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0188	SF	1"	Thick, R5.7, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	2.83	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.17	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.41	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0189	SF	1-1/2"	Thick, R8.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.10	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.20	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0190	SF	2"	Thick, R11.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	3.57	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.24	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	
07 22 16 00-0191	SF	2-1/2"	Thick, R14.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.14	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.72	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.91	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13	
07 22 16 00-0192	SF	3"	Thick, R17.4, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	4.60	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.72	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.84	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.91	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	
07 22 16 00-0193	SF	3-1/2"	Thick, R20.5, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.27	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.41	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.00	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.27	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.73	
07 22 16 00-0194	SF	4"	Thick, R23.6, Polyisocyanurate, Roof Board Insulation, Mechanically Fastened	5.72	
			<i>For Foil Facer, Add</i>	0.36	
			<i>For 25 PSI Compressive Strength, Add</i>	0.45	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0195	<b>Mechanically Fastened, High-Density Polyisocyanurate Cover Board And Roofing Insulation</b> (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.	
07 22 16 00-0196	SF 1/2" Thick, R2.5, High-Density Polyisocyanurate Cover Board And Roofing Insulation, Mechanically Fastened .....	3.10
	For Mechanically Fastened To Concrete, Add	1.53
	For Mechanically Fastened To Gypsum, Add	2.06
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90
07 22 16 00-0197	<b>Mechanically Fastened, Gypsum-Fiber, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.	
07 22 16 00-0198	SF 1/4" Thick, R0.2, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	2.92
	For Mechanically Fastened To Concrete, Add	1.53
	For Mechanically Fastened To Gypsum, Add	2.06
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90
07 22 16 00-0199	SF 3/8" Thick, R0.3, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.11
	For Mechanically Fastened To Concrete, Add	1.53
	For Mechanically Fastened To Gypsum, Add	2.06
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90
07 22 16 00-0200	SF 1/2" Thick, R0.5, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.24
	For Mechanically Fastened To Concrete, Add	1.53
	For Mechanically Fastened To Gypsum, Add	2.06
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90
07 22 16 00-0201	SF 5/8" Thick, R0.6, Gypsum-Fiber, Roof Board Insulation (USG Securock Gypsum), Mechanically Fastened.....	3.31
	For Mechanically Fastened To Concrete, Add	1.53
	For Mechanically Fastened To Gypsum, Add	2.06
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90
07 22 16 00-0202	<b>Mechanically Fastened, Glass-Mat, Roof Board Insulation (USG Securock)</b> (07 22 16 00-0143) Note: Mechanically fastened to wood or steel.	
07 22 16 00-0203	SF 1/4" Thick, R0.36, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened .....	2.85
	For Mechanically Fastened To Concrete, Add	1.53
	For Mechanically Fastened To Gypsum, Add	2.06
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90
07 22 16 00-0204	SF 1/2" Thick, R0.53, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened .....	3.14
	For Mechanically Fastened To Concrete, Add	1.53
	For Mechanically Fastened To Gypsum, Add	2.06
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90
07 22 16 00-0205	SF 5/8" Thick, R0.54, Glass-Mat, Roof Board Insulation (USG Securock Glass-Mat), Mechanically Fastened.....	3.21
	For Mechanically Fastened To Concrete, Add	1.53
	For Mechanically Fastened To Gypsum, Add	2.06
	For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add	0.76
	For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add	2.46
	For Mechanically Fastened To Gypsum, >90 To 120 MPH Wind, Add	2.59
	For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add	1.14
	For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add	3.50
	For Mechanically Fastened To Gypsum, >120 To 135 MPH Wind, Add	3.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 22 16 00-0206 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation** (07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0207	SF		1.5" Thick, R6.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened .....	5.19	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	
07 22 16 00-0208	SF		2" Thick, R9.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened .....	5.47	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Gypsum, Add</i>	1.99	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.62	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.94	
07 22 16 00-0209	SF		2.5" Thick, R12.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened .....	5.93	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.89	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.08	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13	
07 22 16 00-0210	SF		3" Thick, R15.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened .....	6.16	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.90	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.84	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.09	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	
07 22 16 00-0211	SF		3.5" Thick, R18.0, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened .....	6.86	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.00	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.45	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.91	
07 22 16 00-0212	SF		4" Thick, R21.1, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened .....	7.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46	
07 22 16 00-0213	SF		4.5" Thick, R24.2, Polyisocyanurate And Oriented Strand Board, Nailbase Roof Board Insulation, Mechanically Fastened .....	7.64	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.32	

**07 22 16 00-0214 Mechanically Fastened, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation** (07 22 16 00-0143)

Note: Includes a polyisocyanurate foam core bonded to a 7/16" oriented strand board (OSB) facer. Mechanically fastened to wood or steel.

07 22 16 00-0215	SF		2.5" Thick, R5.7, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened .....	5.34	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.07	
			<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0216	SF	3" Thick, R8.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	5.82
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.08
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.84
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.07
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22
07 22 16 00-0217	SF	3.5" Thick, R11.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.55
		<i>For Mechanically Fastened To Concrete, Add</i>	1.66
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.00
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.43
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.89
07 22 16 00-0218	SF	4" Thick, R14.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	6.93
		<i>For Mechanically Fastened To Concrete, Add</i>	1.66
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.07
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46
07 22 16 00-0219	SF	4.5" Thick, R17.4, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	7.60
		<i>For Mechanically Fastened To Concrete, Add</i>	1.71
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.27
07 22 16 00-0220	SF	5" Thick, R20.5, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	8.11
		<i>For Mechanically Fastened To Concrete, Add</i>	1.71
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.69
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.27
07 22 16 00-0221	SF	5.5" Thick, R23.6, Polyisocyanurate And Oriented Strand Board With Air Vent Spacer Strips, Nailbase Roof Board Insulation, Mechanically Fastened.....	9.27
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.05
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	4.01
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70

07 22 16 00-0222 Rigid Board Tapered Roofing Insulation <sup>(07 22 16)</sup>  
 Note: Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or cover board. See CSI section 07 22 16 00-0466 for demolition of insulation board.

07 22 16 00-0223 Cold Adhesive Applied Rigid Board Tapered Roofing Insulation <sup>(07 22 16 00-0222)</sup>

07 22 16 00-0224 Cold Adhesive Applied, Tapered Polyisocyanurate Board <sup>(07 22 16 00-0223)</sup>

Note: Includes polyurethane adhesive.

07 22 16 00-0225 Cold Adhesive Applied, 1/8" Slope, Tapered Polyisocyanurate Board <sup>(07 22 16 00-0224)</sup>

07 22 16 00-0226	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	5.15
		<i>For 25 PSI Compressive Strength, Add</i>	0.35
07 22 16 00-0227	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.10
		<i>For 25 PSI Compressive Strength, Add</i>	0.41
07 22 16 00-0228	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	7.72
		<i>For 25 PSI Compressive Strength, Add</i>	0.47
07 22 16 00-0229	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.33
		<i>For 25 PSI Compressive Strength, Add</i>	0.53
07 22 16 00-0230	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied.....	8.95
		<i>For 25 PSI Compressive Strength, Add</i>	0.60



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0231	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	10.92 0.66	
07 22 16 00-0232	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	11.54 0.72	
07 22 16 00-0233	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	12.16 0.78	
07 22 16 00-0234	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	12.77 0.85	
07 22 16 00-0235	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	14.73 0.91	
<b>07 22 16 00-0236</b>			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0237	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	4.84 0.32	
07 22 16 00-0238	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	7.41 0.44	
07 22 16 00-0239	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	8.64 0.57	
07 22 16 00-0240	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	11.23 0.69	
07 22 16 00-0241	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	12.46 0.81	
07 22 16 00-0242	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	15.04 0.94	
<b>07 22 16 00-0243</b>			<b>Cold Adhesive Applied, 1/2" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0224)		
07 22 16 00-0244	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	8.02 0.50	
07 22 16 00-0245	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	11.85 0.75	
07 22 16 00-0246	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	15.66 1.00	
07 22 16 00-0247	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Cold Adhesive Applied ..... <i>For 25 PSI Compressive Strength, Add</i> .....	19.47 1.25	
<b>07 22 16 00-0248</b>			<b>Cold Adhesive Applied, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0223) Note: Includes polyurethane adhesive.		
<b>07 22 16 00-0249</b>			<b>Cold Adhesive Applied, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0250	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	4.45	
07 22 16 00-0251	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	6.41	
07 22 16 00-0252	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	6.88	
07 22 16 00-0253	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	7.34	
07 22 16 00-0254	SF		4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	7.80	
07 22 16 00-0255	SF		4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	9.78	
07 22 16 00-0256	SF		5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	10.24	
07 22 16 00-0257	SF		5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	10.71	
07 22 16 00-0258	SF		6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	11.17	
07 22 16 00-0259	SF		6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied .....	13.14	
<b>07 22 16 00-0260</b>			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)</b> (07 22 16 00-0248)		
07 22 16 00-0261	SF		2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	4.22	
07 22 16 00-0262	SF		3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	6.64	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0263	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.57
07 22 16 00-0264	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.01
07 22 16 00-0265	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.94
07 22 16 00-0266	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.37
<b>07 22 16 00-0267</b>		<b>Cold Adhesive Applied, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)</b> <small>(07 22 16 00-0248)</small>	
07 22 16 00-0268	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	7.11
07 22 16 00-0269	SF	5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	10.47
07 22 16 00-0270	SF	7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	13.83
07 22 16 00-0271	SF	9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Cold Adhesive Applied.....	17.65
<b>07 22 16 00-0272</b>		<b>Cold Adhesive Applied, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0223)</small>	
		Note: Includes polyurethane adhesive.	
<b>07 22 16 00-0273</b>		<b>Cold Adhesive Applied, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0272)</small>	
07 22 16 00-0274	SF	2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	5.01
07 22 16 00-0275	SF	2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	6.96
07 22 16 00-0276	SF	3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.55
07 22 16 00-0277	SF	3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.13
07 22 16 00-0278	SF	4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.72
07 22 16 00-0279	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.69
07 22 16 00-0280	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.28
07 22 16 00-0281	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.87
07 22 16 00-0282	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.45
07 22 16 00-0283	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	14.42
<b>07 22 16 00-0284</b>		<b>Cold Adhesive Applied, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0272)</small>	
07 22 16 00-0285	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	4.71
07 22 16 00-0286	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.25
07 22 16 00-0287	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	8.43
07 22 16 00-0288	SF	5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	10.99
07 22 16 00-0289	SF	6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	12.16
07 22 16 00-0290	SF	7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	14.71
<b>07 22 16 00-0291</b>		<b>Cold Adhesive Applied, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0272)</small>	
07 22 16 00-0292	SF	3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	7.84
		For Mechanically Fastened To Concrete, Add	1.62
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add	2.08
07 22 16 00-0293	SF	5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	11.57
07 22 16 00-0294	SF	7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	15.30
07 22 16 00-0295	SF	9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Cold Adhesive Applied.....	19.02
<b>07 22 16 00-0296</b>		<b>Cold Adhesive Applied, Tapered Perlite Board</b> <small>(07 22 16 00-0223)</small>	
		Note: Includes polyurethane adhesive.	
<b>07 22 16 00-0297</b>		<b>Cold Adhesive Applied, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0296)</small>	
07 22 16 00-0298	SF	2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	7.54
07 22 16 00-0299	SF	2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	8.72
07 22 16 00-0300	SF	3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied.....	10.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0301	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	10.56	
07 22 16 00-0302	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	11.89	
07 22 16 00-0303	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	13.06	
07 22 16 00-0304	SF		5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	14.40	
07 22 16 00-0305	SF		5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	14.90	
07 22 16 00-0306	SF		6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	16.24	
07 22 16 00-0307	SF		6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	17.42	
<b>07 22 16 00-0308</b>			<b>Cold Adhesive Applied, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0296)</b>		
07 22 16 00-0309	SF		2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	6.88	
07 22 16 00-0310	SF		3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	9.38	
07 22 16 00-0311	SF		4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	11.22	
07 22 16 00-0312	SF		5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	13.73	
07 22 16 00-0313	SF		6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	15.57	
07 22 16 00-0314	SF		7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	18.09	
<b>07 22 16 00-0315</b>			<b>Cold Adhesive Applied, 1/2" Slope, Tapered Perlite Board (07 22 16 00-0296)</b>		
07 22 16 00-0316	SF		3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	10.72	
07 22 16 00-0317	SF		5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	15.06	
07 22 16 00-0318	SF		7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	19.42	
07 22 16 00-0319	SF		9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Cold Adhesive Applied .....	23.76	
<b>07 22 16 00-0320</b>			<b>Hot-Mopped Rigid Board Tapered Roofing Insulation (07 22 16 00-0222)</b>		
<b>07 22 16 00-0321</b>			<b>Hot-Mopped, Tapered Polyisocyanurate Board (07 22 16 00-0320)</b>		
<b>07 22 16 00-0322</b>			<b>Hot-Mopped, 1/8" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)</b>		
07 22 16 00-0323	SF		2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	4.72	
			<i>For 25 PSI Compressive Strength, Add</i>	0.31	
07 22 16 00-0324	SF		2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	6.60	
			<i>For 25 PSI Compressive Strength, Add</i>	0.33	
07 22 16 00-0325	SF		3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	7.22	
			<i>For 25 PSI Compressive Strength, Add</i>	0.39	
07 22 16 00-0326	SF		3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	7.54	
			<i>For 25 PSI Compressive Strength, Add</i>	0.46	
07 22 16 00-0327	SF		4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	8.45	
			<i>For 25 PSI Compressive Strength, Add</i>	0.52	
07 22 16 00-0328	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	10.18	
			<i>For 25 PSI Compressive Strength, Add</i>	0.54	
07 22 16 00-0329	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	10.80	
			<i>For 25 PSI Compressive Strength, Add</i>	0.61	
07 22 16 00-0330	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	11.42	
			<i>For 25 PSI Compressive Strength, Add</i>	0.67	
07 22 16 00-0331	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	12.03	
			<i>For 25 PSI Compressive Strength, Add</i>	0.73	
07 22 16 00-0332	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	13.75	
			<i>For 25 PSI Compressive Strength, Add</i>	0.75	
<b>07 22 16 00-0333</b>			<b>Hot-Mopped, 1/4" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)</b>		
07 22 16 00-0334	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	4.58	
			<i>For 25 PSI Compressive Strength, Add</i>	0.28	
07 22 16 00-0335	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	6.91	
			<i>For 25 PSI Compressive Strength, Add</i>	0.36	
07 22 16 00-0336	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	8.14	
			<i>For 25 PSI Compressive Strength, Add</i>	0.49	
07 22 16 00-0337	SF		5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	10.49	
			<i>For 25 PSI Compressive Strength, Add</i>	0.57	
07 22 16 00-0338	SF		6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	11.72	
			<i>For 25 PSI Compressive Strength, Add</i>	0.70	
07 22 16 00-0339	SF		7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	14.06	
			<i>For 25 PSI Compressive Strength, Add</i>	0.78	
<b>07 22 16 00-0340</b>			<b>Hot-Mopped, 1/2" Slope, Tapered Polyisocyanurate Board (07 22 16 00-0321)</b>		
07 22 16 00-0341	SF		3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	7.53	
			<i>For 25 PSI Compressive Strength, Add</i>	0.42	
07 22 16 00-0342	SF		5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	11.11	
			<i>For 25 PSI Compressive Strength, Add</i>	0.64	
07 22 16 00-0343	SF		7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	14.68	
			<i>For 25 PSI Compressive Strength, Add</i>	0.85	
07 22 16 00-0344	SF		9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Hot-Mopped .....	18.26	
			<i>For 25 PSI Compressive Strength, Add</i>	1.06	
<b>07 22 16 00-0345</b>			<b>Hot-Mopped, Tapered Perlite Board (07 22 16 00-0320)</b>		
<b>07 22 16 00-0346</b>			<b>Hot-Mopped, 1/8" Slope, Tapered Perlite Board (07 22 16 00-0345)</b>		
07 22 16 00-0347	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped .....	6.63	
07 22 16 00-0348	SF		2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped .....	8.22	
07 22 16 00-0349	SF		3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped .....	9.56	
07 22 16 00-0350	SF		3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped .....	9.40	
07 22 16 00-0351	SF		4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped .....	10.73	
07 22 16 00-0352	SF		4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped .....	12.33	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0353	SF	5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	13.66
07 22 16 00-0354	SF	5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	13.50
07 22 16 00-0355	SF	6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	14.84
07 22 16 00-0356	SF	6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Hot-Mopped.....	16.44

**07 22 16 00-0357 Hot-Mopped, 1/4" Slope, Tapered Perlite Board** (07 22 16 00-0345)

07 22 16 00-0358	SF	2" Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	5.96
07 22 16 00-0359	SF	3" Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	8.89
07 22 16 00-0360	SF	4" Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	10.07
07 22 16 00-0361	SF	5" Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	12.99
07 22 16 00-0362	SF	6" Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	14.17
07 22 16 00-0363	SF	7" Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Hot-Mopped.....	17.11

**07 22 16 00-0364 Hot-Mopped, 1/2" Slope, Tapered Perlite Board** (07 22 16 00-0345)

07 22 16 00-0365	SF	3.5" Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	10.22
07 22 16 00-0366	SF	5.5" Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	14.33
07 22 16 00-0367	SF	7.5" Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	24.40
07 22 16 00-0368	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Hot-Mopped.....	22.54

**07 22 16 00-0369 Mechanically Fastened Tapered Roofing Insulation** (07 22 16 00-0222)

Note: Mechanically fastened to wood or steel. Includes tapered board and filler board required to maintain slope starting at 1/2" minimum thickness. Excludes base layer of board, if required. Average thickness and average R-value of tapered system excludes thickness and R-value of base layer insulation and/or coverboard.

**07 22 16 00-0370 Mechanically Fastened, Tapered Polyisocyanurate Board** (07 22 16 00-0369)

Note: Mechanically fastened to wood or steel.

**07 22 16 00-0371 Mechanically Fastened, 1/8" Slope, Tapered Polyisocyanurate Board** (07 22 16 00-0370)

07 22 16 00-0372	SF	2.25" Average Thickness (12.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	5.06
		<i>For 25 PSI Compressive Strength, Add</i>	0.34
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.96
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90
07 22 16 00-0373	SF	2.75" Average Thickness (15.7 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	6.45
		<i>For 25 PSI Compressive Strength, Add</i>	0.35
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13
07 22 16 00-0374	SF	3.25" Average Thickness (18.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.07
		<i>For 25 PSI Compressive Strength, Add</i>	0.41
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.08
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22
07 22 16 00-0375	SF	3.75" Average Thickness (21.4 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.85
		<i>For 25 PSI Compressive Strength, Add</i>	0.49
		<i>For Mechanically Fastened To Concrete, Add</i>	1.66
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.00
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.34
07 22 16 00-0376	SF	4.25" Average Thickness (24.2 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	8.46
		<i>For 25 PSI Compressive Strength, Add</i>	0.55
		<i>For Mechanically Fastened To Concrete, Add</i>	1.66
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.07
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0377	SF		4.75" Average Thickness (27.1 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened ..... 9.98		
			<i>For 25 PSI Compressive Strength, Add</i> ..... 0.57		
			<i>For Mechanically Fastened To Concrete, Add</i> ..... 1.71		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> ..... 2.04		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> ..... 1.51		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> ..... 2.80		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> ..... 3.12		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> ..... 2.26		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> ..... 4.21		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> ..... 4.70		
07 22 16 00-0378	SF		5.25" Average Thickness (30.0 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened ..... 10.59		
			<i>For 25 PSI Compressive Strength, Add</i> ..... 0.63		
			<i>For Mechanically Fastened To Concrete, Add</i> ..... 1.71		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> ..... 2.04		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> ..... 1.51		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> ..... 2.80		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> ..... 3.12		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> ..... 2.26		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> ..... 4.21		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> ..... 4.70		
07 22 16 00-0379	SF		5.75" Average Thickness (32.8 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened ..... 11.46		
			<i>For 25 PSI Compressive Strength, Add</i> ..... 0.71		
			<i>For Mechanically Fastened To Concrete, Add</i> ..... 1.76		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> ..... 2.05		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> ..... 1.80		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> ..... 3.10		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> ..... 3.39		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> ..... 2.68		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> ..... 4.64		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> ..... 5.08		
07 22 16 00-0380	SF		6.25" Average Thickness (35.6 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened ..... 12.08		
			<i>For 25 PSI Compressive Strength, Add</i> ..... 0.78		
			<i>For Mechanically Fastened To Concrete, Add</i> ..... 1.76		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> ..... 2.05		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> ..... 1.80		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> ..... 3.10		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> ..... 3.39		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> ..... 2.68		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> ..... 4.64		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> ..... 5.08		
07 22 16 00-0381	SF		6.75" Average Thickness (38.5 Average R-Value), 1/8" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened ..... 13.74		
			<i>For 25 PSI Compressive Strength, Add</i> ..... 0.81		
			<i>For Mechanically Fastened To Concrete, Add</i> ..... 1.76		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> ..... 2.10		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> ..... 2.16		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> ..... 3.46		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> ..... 3.80		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> ..... 3.23		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> ..... 5.19		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> ..... 5.70		
07 22 16 00-0382			<b>Mechanically Fastened, 1/4" Slope, Tapered Polyisocyanurate Board</b> (07 22 16 00-0370) ..... 4.75		
07 22 16 00-0383	SF		2" Average Thickness (11.4 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened ..... 4.75		
			<i>For 25 PSI Compressive Strength, Add</i> ..... 0.31		
			<i>For Mechanically Fastened To Concrete, Add</i> ..... 1.57		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> ..... 1.96		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> ..... 0.94		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> ..... 2.20		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> ..... 2.59		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> ..... 1.40		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> ..... 3.31		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> ..... 3.90		
07 22 16 00-0384	SF		3" Average Thickness (17.1 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened ..... 6.76		
			<i>For 25 PSI Compressive Strength, Add</i> ..... 0.38		
			<i>For Mechanically Fastened To Concrete, Add</i> ..... 1.62		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> ..... 2.02		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> ..... 1.06		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> ..... 2.34		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> ..... 2.74		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> ..... 1.60		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> ..... 3.53		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> ..... 4.13		
07 22 16 00-0385	SF		4" Average Thickness (22.8 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened ..... 8.16		
			<i>For 25 PSI Compressive Strength, Add</i> ..... 0.52		
			<i>For Mechanically Fastened To Concrete, Add</i> ..... 1.66		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> ..... 2.00		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> ..... 1.27		
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> ..... 2.55		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> ..... 2.88		
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> ..... 1.90		
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> ..... 3.84		
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> ..... 4.34		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0386	SF	5" Average Thickness (28.5 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.28
		For 25 PSI Compressive Strength, Add.....	0.60
		For Mechanically Fastened To Concrete, Add.....	1.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.04
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.51
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.80
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.12
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.26
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.21
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	4.70
07 22 16 00-0387	SF	6" Average Thickness (34.2 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	11.77
		For 25 PSI Compressive Strength, Add.....	0.75
		For Mechanically Fastened To Concrete, Add.....	1.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.05
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.80
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.10
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.39
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.68
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.64
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.08
07 22 16 00-0388	SF	7" Average Thickness (39.9 Average R-Value), 1/4" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	14.05
		For 25 PSI Compressive Strength, Add.....	0.84
		For Mechanically Fastened To Concrete, Add.....	1.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.10
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	2.16
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.46
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.80
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	3.23
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	5.19
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.70
07 22 16 00-0389		<b>Mechanically Fastened, 1/2" Slope, Tapered Polyisocyanurate Board</b> <small>(07 22 16 00-0370)</small>	
07 22 16 00-0390	SF	3.5" Average Thickness (20.0 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	7.38
		For 25 PSI Compressive Strength, Add.....	0.44
		For Mechanically Fastened To Concrete, Add.....	1.62
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.08
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.06
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.34
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	2.80
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	1.60
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	3.53
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	4.22
07 22 16 00-0391	SF	5.5" Average Thickness (31.4 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	10.49
		For 25 PSI Compressive Strength, Add.....	0.62
		For Mechanically Fastened To Concrete, Add.....	1.71
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.04
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	1.51
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	2.80
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.12
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	2.26
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	4.21
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	4.70
07 22 16 00-0392	SF	7.5" Average Thickness (42.8 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	14.66
		For 25 PSI Compressive Strength, Add.....	0.90
		For Mechanically Fastened To Concrete, Add.....	1.76
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add.....	2.10
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	2.16
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	3.46
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >90 To 120 MPH Wind, Add.....	3.80
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	3.23
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	5.19
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, >120 To 135 MPH Wind, Add.....	5.70
07 22 16 00-0393	SF	9.5" Average Thickness (54.2 Average R-Value), 1/2" Slope, Tapered Polyisocyanurate Board, Mechanically Fastened.....	18.66
		For 25 PSI Compressive Strength, Add.....	1.17
		For Mechanically Fastened To Concrete, Add.....	2.17
		For Mechanically Fastened To Wood Or Steel, >90 To 120 MPH Wind, Add.....	3.03
		For Mechanically Fastened To Concrete, >90 To 120 MPH Wind, Add.....	4.71
		For Mechanically Fastened To Wood Or Steel, >120 To 135 MPH Wind, Add.....	4.56
		For Mechanically Fastened To Concrete, >120 To 135 MPH Wind, Add.....	7.07

07 22 16 00-0394 Mechanically Fastened, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0369)

Note: Mechanically fastened to wood or steel.

07 22 16 00-0395 Mechanically Fastened, 1/8" Slope, Tapered Expanded Polystyrene Board (EPS) (07 22 16 00-0394)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0396	SF		2.25" Average Thickness (10.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.37	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0397	SF		2.75" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	5.77	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13	
07 22 16 00-0398	SF		3.25" Average Thickness (14.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.23	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	
07 22 16 00-0399	SF		3.75" Average Thickness (16.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.86	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.00	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.34	
07 22 16 00-0400	SF		4.25" Average Thickness (19.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.32	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46	
07 22 16 00-0401	SF		4.75" Average Thickness (21.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	8.83	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70	
07 22 16 00-0402	SF		5.25" Average Thickness (23.63 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70	
07 22 16 00-0403	SF		5.75" Average Thickness (25.88 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.01	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.05	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.08	
07 22 16 00-0404	SF		6.25" Average Thickness (28.13 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.47	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.05	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.08	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0405	SF	6.75" Average Thickness (30.38 Average R-Value), 1/8" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	12.14
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	2.16
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.46
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.80
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	3.23
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	5.19
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70

**07 22 16 00-0406 Mechanically Fastened, 1/4" Slope, Tapered Expanded Polystyrene Board (EPS)** (07 22 16 00-0394)

07 22 16 00-0407	SF	2" Average Thickness (9 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	4.14
		<i>For Mechanically Fastened To Concrete, Add</i>	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.96
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90
07 22 16 00-0408	SF	3" Average Thickness (13.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.00
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13
07 22 16 00-0409	SF	4" Average Thickness (18 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	7.09
		<i>For Mechanically Fastened To Concrete, Add</i>	1.66
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.00
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.88
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.34
07 22 16 00-0410	SF	5" Average Thickness (22.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.06
		<i>For Mechanically Fastened To Concrete, Add</i>	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70
07 22 16 00-0411	SF	6" Average Thickness (27 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	10.24
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.05
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.08
07 22 16 00-0412	SF	7" Average Thickness (31.5 Average R-Value), 1/4" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	12.37
		<i>For Mechanically Fastened To Concrete, Add</i>	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	2.16
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.46
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.80
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	3.23
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	5.19
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70

**07 22 16 00-0413 Mechanically Fastened, 1/2" Slope, Tapered Expanded Polystyrene Board (EPS)** (07 22 16 00-0394)

07 22 16 00-0414	SF	3.5" Average Thickness (15.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	6.46
		<i>For Mechanically Fastened To Concrete, Add</i>	1.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.08
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0415	SF		5.5" Average Thickness (24.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	9.53	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	3.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	4.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.70	
07 22 16 00-0416	SF		7.5" Average Thickness (33.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	12.84	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	3.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	3.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	3.23	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	5.19	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	5.70	
07 22 16 00-0417	SF		9.5" Average Thickness (42.75 Average R-Value), 1/2" Slope, Tapered Expanded Polystyrene Board (EPS), Mechanically Fastened.....	16.84	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	3.03	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	4.71	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	4.56	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	7.07	
07 22 16 00-0418			Mechanically Fastened, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0369)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0419			Mechanically Fastened, 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS) <small>(07 22 16 00-0418)</small>		
07 22 16 00-0420	SF		2.25" Average Thickness (12.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.92	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.49	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.31	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.90	
07 22 16 00-0421	SF		2.75" Average Thickness (15.125 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.31	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.13	
07 22 16 00-0422	SF		3.25" Average Thickness (17.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.27	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.22	
07 22 16 00-0423	SF		3.75" Average Thickness (20.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.65	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.66	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.00	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.88	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.84	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.34	
07 22 16 00-0424	SF		4.25" Average Thickness (23.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	8.24	
			<i>For Mechanically Fastened To Concrete, Add</i> .....	1.66	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.07	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.84	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.46	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0425	SF	4.75" Average Thickness (26.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	9.75
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.51
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	3.12
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	4.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.70
07 22 16 00-0426	SF	5.25" Average Thickness (28.88 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.33
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.04
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.51
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.80
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	3.12
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.26
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	4.21
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.70
07 22 16 00-0427	SF	5.75" Average Thickness (31.63 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.17
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.05
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.80
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	3.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	3.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.68
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	4.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	5.08
07 22 16 00-0428	SF	6.25" Average Thickness (34.38 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.76
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.05
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.80
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	3.10
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	3.39
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	2.68
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	4.64
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	5.08
07 22 16 00-0429	SF	6.75" Average Thickness (37.13 Average R-Value), 1/8" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	13.42
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.76
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.10
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	2.16
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	3.46
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	3.80
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	3.23
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	5.19
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	5.70

**07 22 16 00-0430 Mechanically Fastened, 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS)** (07 22 16 00-0418)

07 22 16 00-0431	SF	2" Average Thickness (11 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	4.63
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.57
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	1.96
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	0.94
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.20
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.59
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.40
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.31
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	3.90
07 22 16 00-0432	SF	3" Average Thickness (16.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	6.61
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.62
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.02
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.06
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.34
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.74
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.60
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.53
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.13
07 22 16 00-0433	SF	4" Average Thickness (22 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.94
		<i>For Mechanically Fastened To Concrete, Add</i> .....	1.66
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i> .....	2.00
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i> .....	1.27
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i> .....	2.55
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i> .....	2.88
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i> .....	1.90
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i> .....	3.84
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i> .....	4.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0434	SF		5" Average Thickness (27.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.04	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70	
07 22 16 00-0435	SF		6" Average Thickness (33 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	11.46	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.05	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.08	
07 22 16 00-0436	SF		7" Average Thickness (38.5 Average R-Value), 1/4" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	13.71	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	3.23	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	5.19	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70	
07 22 16 00-0437			<b>Mechanically Fastened, 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS)</b> <small>(07 22 16 00-0418)</small>		
07 22 16 00-0438	SF		3.5" Average Thickness (19.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	7.19	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	
07 22 16 00-0439	SF		5.5" Average Thickness (30.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	10.63	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70	
07 22 16 00-0440	SF		7.5" Average Thickness (41.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	14.30	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	3.23	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	5.19	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70	
07 22 16 00-0441	SF		9.5" Average Thickness (52.25 Average R-Value), 1/2" Slope, Tapered Extruded Polystyrene Board (XEPS), Mechanically Fastened.....	17.94	
			<i>For Mechanically Fastened To Concrete, Add</i>	2.17	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	3.03	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	4.71	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	4.56	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	7.07	
07 22 16 00-0442			<b>Mechanically Fastened, Tapered Perlite Board</b> <small>(07 22 16 00-0369)</small>		
			Note: Mechanically fastened to wood or steel.		
07 22 16 00-0443			<b>Mechanically Fastened, 1/8" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0444	SF		2.25" Average Thickness (6.26 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.80	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.67	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	

## 07 Thermal And Moisture Protection

## 07 20 Thermal Protection

## 07 22 Roof and Deck Insulation

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0445	SF 2.75" Average Thickness (7.65 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.07
	<i>For Mechanically Fastened To Concrete, Add</i>	1.62
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13
07 22 16 00-0446	SF 3.25" Average Thickness (9.04 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.40
	<i>For Mechanically Fastened To Concrete, Add</i>	1.62
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.08
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22
07 22 16 00-0447	SF 3.75" Average Thickness (10.43 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	9.41
	<i>For Mechanically Fastened To Concrete, Add</i>	1.66
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.00
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.88
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.34
07 22 16 00-0448	SF 4.25" Average Thickness (11.82 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.75
	<i>For Mechanically Fastened To Concrete, Add</i>	1.66
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.07
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.96
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.46
07 22 16 00-0449	SF 4.75" Average Thickness (13.21 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.12
	<i>For Mechanically Fastened To Concrete, Add</i>	1.71
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70
07 22 16 00-0450	SF 5.25" Average Thickness (14.60 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.45
	<i>For Mechanically Fastened To Concrete, Add</i>	1.71
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70
07 22 16 00-0451	SF 5.75" Average Thickness (15.99 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	13.55
	<i>For Mechanically Fastened To Concrete, Add</i>	1.76
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.05
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.39
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.08
07 22 16 00-0452	SF 6.25" Average Thickness (17.38 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.88
	<i>For Mechanically Fastened To Concrete, Add</i>	1.76
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.05
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.39
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.08
07 22 16 00-0453	SF 6.75" Average Thickness (18.77 Average R-Value), 1/8" Slope, Tapered Perlite Board, Mechanically Fastened.....	16.43
	<i>For Mechanically Fastened To Concrete, Add</i>	1.76
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10
	<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	2.16
	<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.46
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.80
	<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	3.23
	<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	5.19
	<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70

07 22 16 00-0454 Mechanically Fastened, 1/4" Slope, Tapered Perlite Board (07 22 16 00-0442)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 22 16 00-0455	SF	2"	Average Thickness (5.56 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	6.13	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.57	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	1.96	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.94	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.20	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.40	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.31	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 22 16 00-0456	SF	3"	Average Thickness (8.34 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	8.74	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.02	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.74	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.13	
07 22 16 00-0457	SF	4"	Average Thickness (11.12 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.08	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.66	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.00	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.27	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.55	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.88	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.90	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.84	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.34	
07 22 16 00-0458	SF	5"	Average Thickness (13.9 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	12.79	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70	
07 22 16 00-0459	SF	6"	Average Thickness (16.68 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.22	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.05	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.80	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.10	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.39	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.68	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.64	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.08	
07 22 16 00-0460	SF	7"	Average Thickness (19.46 Average R-Value), 1/4" Slope, Tapered Perlite Board, Mechanically Fastened.....	17.09	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	3.23	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	5.19	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70	
07 22 16 00-0461			<b>Mechanically Fastened, 1/2" Slope, Tapered Perlite Board</b> <small>(07 22 16 00-0442)</small>		
07 22 16 00-0462	SF	3.5"	Average Thickness (9.73 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	10.07	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.62	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.08	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.06	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.34	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.60	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.53	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.22	
07 22 16 00-0463	SF	5.5"	Average Thickness (15.29 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	14.12	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.71	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.04	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	1.51	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.80	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.12	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	2.26	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	4.21	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	4.70	
07 22 16 00-0464	SF	7.5"	Average Thickness (20.85 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	18.43	
			<i>For Mechanically Fastened To Concrete, Add</i>	1.76	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, Add</i>	2.10	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	2.16	
			<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	3.46	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.80	
			<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	3.23	
			<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	5.19	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70	

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 22 Roof and Deck Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 22 16 00-0465	SF	9.5" Average Thickness (26.41 Average R-Value), 1/2" Slope, Tapered Perlite Board, Mechanically Fastened.....	22.95
		<i>For Mechanically Fastened To Concrete, Add</i>	2.17
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	3.03
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	4.71
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;90 To 120 MPH Wind, Add</i>	3.80
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	4.56
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	7.07
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum, &gt;120 To 135 MPH Wind, Add</i>	5.70

**07 22 16 00-0466 Demolish Rigid Board Roofing Insulation (07 22 16)**

Note: Includes removing any combination of roofing insulation systems and/or recovery board. Includes removal of any basic roof accessories and any sheet metals, except special existing conditions (mechanical equipment piping, electrical, ducts, etc.).

07 22 16 00-0467	SF	Demolish Up To 1/2" Average Thickness, Rigid Board Roofing Insulation .....	0.62
07 22 16 00-0468	SF	Demolish >1/2" To 1" Average Thickness, Rigid Board Roofing Insulation .....	0.64
07 22 16 00-0469	SF	Demolish >1" To 2" Average Thickness, Rigid Board Roofing Insulation .....	0.66
07 22 16 00-0470	SF	Demolish >2" To 3" Average Thickness, Rigid Board Roofing Insulation .....	0.67
07 22 16 00-0471	SF	Demolish >3" To 4" Average Thickness, Rigid Board Roofing Insulation .....	0.69
07 22 16 00-0472	SF	Demolish >4" To 5" Average Thickness, Rigid Board Roofing Insulation .....	0.70
07 22 16 00-0473	SF	Demolish >5" To 6" Average Thickness, Rigid Board Roofing Insulation .....	0.72
07 22 16 00-0474	SF	Demolish >6" To 7" Average Thickness, Rigid Board Roofing Insulation .....	0.74
07 22 16 00-0475	SF	Demolish >7" To 8" Average Thickness, Rigid Board Roofing Insulation .....	0.75
07 22 16 00-0476	SF	Demolish >8" To 9" Average Thickness, Rigid Board Roofing Insulation .....	0.77
07 22 16 00-0477	SF	Demolish >9" To 10" Average Thickness, Rigid Board Roofing Insulation .....	0.79
07 22 16 00-0478	SF	Demolish >10" To 11" Average Thickness, Rigid Board Roofing Insulation.....	0.81
07 22 16 00-0479	SF	Demolish >11" To 12" Average Thickness, Rigid Board Roofing Insulation.....	0.83

**07 24 Exterior Insulation and Finish Systems (07 20)****07 24 13 Polymer-Based Exterior Insulation and Finish System (07 24)****07 24 13 00-0001 Exterior Insulation Finishing System (EIFS) (07 24 13)****07 24 13 00-0002 Insulation For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

07 24 13 00-0003	SF	1" Thick, R3.85, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.18
		<i>For Up To 100, Add</i>	0.85
		<i>For &gt;100 To 500, Add</i>	0.42
		<i>For &gt;5,000, Deduct</i>	-0.17
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.49
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.23
07 24 13 00-0004	SF	1-1/2" Thick, R5.78, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	4.74
		<i>For Up To 100, Add</i>	0.86
		<i>For &gt;100 To 500, Add</i>	0.43
		<i>For &gt;5,000, Deduct</i>	-0.17
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.52
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.24
07 24 13 00-0005	SF	2" Thick, R7.70, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	5.31
		<i>For Up To 100, Add</i>	0.87
		<i>For &gt;100 To 500, Add</i>	0.44
		<i>For &gt;5,000, Deduct</i>	-0.17
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.70
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.39
07 24 13 00-0006	SF	2-1/2" Thick, R9.63, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	5.87
		<i>For Up To 100, Add</i>	0.88
		<i>For &gt;100 To 500, Add</i>	0.44
		<i>For &gt;5,000, Deduct</i>	-0.18
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.79
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.52
07 24 13 00-0007	SF	3" Thick, R11.55, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	6.43
		<i>For Up To 100, Add</i>	0.89
		<i>For &gt;100 To 500, Add</i>	0.45
		<i>For &gt;5,000, Deduct</i>	-0.18
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.79
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.52
07 24 13 00-0008	SF	4" Thick, R15.40, Molded Expanded Polystyrene, Foam Board Insulation For Exterior Insulation Finishing Systems (EIFS), Adhesive Applied.....	7.53
		<i>For Up To 100, Add</i>	0.90
		<i>For &gt;100 To 500, Add</i>	0.45
		<i>For &gt;5,000, Deduct</i>	-0.18
		<i>For Adhesive And Mechanically Fastened To Wood Or Steel, Add</i>	1.99
		<i>For Adhesive And Mechanically Fastened To Concrete Or Masonry, Add</i>	2.69

**07 24 13 00-0009 Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)**

Note: Includes applying a layer of base coat to the insulation board and fully embedding the reinforcing fabric in the wet base coat.

07 24 13 00-0010	SF	4.3 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit S-Mesh), Embedded In A Layer Of Base Coat.....	5.44
		<i>For Up To 100, Add</i>	1.70
		<i>For &gt;100 To 500, Add</i>	0.85
		<i>For &gt;5,000, Deduct</i>	-0.34



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 24 13 00-0011	SF		6.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit SP-Mesh), Embedded In A Layer Of Base Coat .....	6.04	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0012	SF		15.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 15), Embedded In A Layer Of Base Coat .....	7.67	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0013	SF		20.0 OZ, Fiberglass Reinforcing Mesh For Exterior Insulation Finishing Systems (EIFS) (Dryvit Panzer® 20), Embedded In A Layer Of Base Coat .....	8.16	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
<b>07 24 13 00-0014</b>			<b>Base Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
07 24 13 00-0015	SF		Polymer-Based, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis® DM).....	2.65	
			<i>For Up To 100, Add</i> .....	0.85	
			<i>For &gt;100 To 500, Add</i> .....	0.42	
			<i>For &gt;5,000, Deduct</i> .....	-0.17	
07 24 13 00-0016	SF		Acrylic-Modified, Fiber-Reinforced Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Genesis®).....	3.09	
			<i>For Up To 100, Add</i> .....	0.85	
			<i>For &gt;100 To 500, Add</i> .....	0.42	
			<i>For &gt;5,000, Deduct</i> .....	-0.17	
07 24 13 00-0017	SF		Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®) .....	5.52	
			<i>For Up To 100, Add</i> .....	0.85	
			<i>For &gt;100 To 500, Add</i> .....	0.42	
			<i>For &gt;5,000, Deduct</i> .....	-0.17	
07 24 13 00-0018	SF		Hydrostatic Water Resistant, Acrylic Co-Polymer Base Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Dryflex®).....	7.43	
			<i>For Up To 100, Add</i> .....	0.85	
			<i>For &gt;100 To 500, Add</i> .....	0.42	
			<i>For &gt;5,000, Deduct</i> .....	-0.17	
<b>07 24 13 00-0019</b>			<b>Finish Coats For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00-0001)		
			Note: Includes all standard manufacturers' colors.		
07 24 13 00-0020	SF		100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish).....	4.47	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0021	SF		100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit DPR Finish) .....	4.57	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0022	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish) .....	5.28	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0023	SF		Lightweight Elastic, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit E™ Finish) .....	5.91	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0024	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Fine Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.28	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0025	SF		Mildew Resistant, 100% Acrylic-Based Aggregate Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit PMR™ Finish).....	5.91	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0026	SF		Flexible Elastomeric, 100% Acrylic-Based Smooth Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic® Smooth) .....	4.67	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0027	SF		Flexible Elastomeric, 100% Acrylic-Based Textured Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Weatherlastic®).....	5.33	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
07 24 13 00-0028	SF		100% Acrylic-Based Finish With Multi-Colored Quartz Aggregates, Finish Coat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Ameristone™) .....	10.94	
			<i>For Up To 100, Add</i> .....	1.70	
			<i>For &gt;100 To 500, Add</i> .....	0.85	
			<i>For &gt;5,000, Deduct</i> .....	-0.34	
<b>07 24 13 00-0029</b>			<b>Primer And Sealers For Exterior Insulation Finishing Systems (EIFS)</b> (07 24 13 00- 0001)		

**07 Thermal And Moisture Protection****07 20 Thermal Protection****07 24 Exterior Insulation and Finish Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 24 13 00-0030	SF 100% Acrylic-Based Primer/Adhesion Promoter For Exterior Insulation Finishing Systems (EIFS) (Dryvit Prymit®).....	1.35	
	<i>For Up To 100, Add</i>	0.48	
	<i>For &gt;100 To 500, Add</i>	0.24	
	<i>For &gt;5,000, Deduct</i>	-0.10	
07 24 13 00-0031	SF 100% Acrylic Emulsion Primer/Sealer For Exterior Insulation Finishing Systems (EIFS) (Dryvit SealClear™).....	1.38	
	<i>For Up To 100, Add</i>	0.48	
	<i>For &gt;100 To 500, Add</i>	0.24	
	<i>For &gt;5,000, Deduct</i>	-0.10	
<b>07 24 13 00-0032</b>	<b>Air/Water/Vapor Barriers For Exterior Insulation Finishing Systems (EIFS) (07</b>		
	<small>24 13 00-0001)</small>		
07 24 13 00-0033	SF Smooth, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat .....	1.87	
	<i>For Up To 100, Add</i>	0.48	
	<i>For &gt;100 To 500, Add</i>	0.24	
	<i>For &gt;5,000, Deduct</i>	-0.10	
07 24 13 00-0034	SF Texture, High Performance, Polymer-Based, Non-Cementitious Water-Resistive Membrane And Air Barrier For Exterior Insulation Finishing Systems (EIFS) (Dryvit Backstop® NT™), Per Coat .....	2.33	
	<i>For Up To 100, Add</i>	0.48	
	<i>For &gt;100 To 500, Add</i>	0.24	
	<i>For &gt;5,000, Deduct</i>	-0.10	
<b>07 24 13 00-0035</b>	<b>Drainage Accessories For Exterior Insulation Finishing Systems (EIFS) (07 24 13</b>		
	<small>00-0001)</small>		
07 24 13 00-0036	SF 1/8" Thick, Flexible Polyamide Drainage Mat For Exterior Insulation Finishing Systems (EIFS) (Dryvit Drainage Mat) .....	2.88	
	<i>For Up To 100, Add</i>	0.53	
	<i>For &gt;100 To 500, Add</i>	0.26	
	<i>For &gt;5,000, Deduct</i>	-0.11	
<b>07 24 13 00-0037</b>	<b>Starter Tracks For Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0038	LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.24	
07 24 13 00-0039	LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.57	
07 24 13 00-0040	LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	4.97	
07 24 13 00-0041	LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track (Dryvit Starter Trac STWP).....	5.80	
07 24 13 00-0042	LF 1" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.57	
07 24 13 00-0043	LF 1-1/2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	4.97	
07 24 13 00-0044	LF 2" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	5.36	
07 24 13 00-0045	LF 3" Width, Polyvinyl Chloride (PVC) Perforated "J" Channel Drainage Track With Drip Edge (Dryvit Starter Trac STDE).....	6.27	
<b>07 24 13 00-0046</b>	<b>Demolish Exterior Insulation Finishing Systems (EIFS) (07 24 13 00-0001)</b>		
07 24 13 00-0047	SF Demolish Exterior Insulation Finishing Systems (EIFS).....	7.08	
	Note: Includes demolition of all finish coats, base coats, reinforcing layers and insulation layers down to the substrate. Excludes demolition of sheathing.		
	<i>For Up To 100, Add</i>	3.54	
	<i>For &gt;100 To 500, Add</i>	1.77	
	<i>For &gt;5,000, Deduct</i>	-0.71	

**07 25 Weather Barriers (07)****07 26 Vapor Retarders (07 25)****07 26 13 Above-Grade Vapor Retarders (07 26)**

07 26 13 00-0001	CSF Two Layer Kraft Paper Laminated With Asphalt, Grade "B" Building Paper (Aquabar B).....	36.04	
07 26 13 00-0002	CSF Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Jumbo Tex).....	33.72	
07 26 13 00-0003	CSF 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Super Jumbo Tex 60 Minute).....	41.13	
07 26 13 00-0004	CSF Two Ply 60 Minute Asphalt Saturated Kraft Building Paper, Grade D (Fortifiber Two Ply Super Jumbo Tex 60 Minute).....	52.00	
07 26 13 00-0005	CSF Regular Weight Red Rosin Sized Sheathing .....	31.34	
07 26 13 00-0006	CLF 6" Wide Two Layer Kraft Paper Laminated With Asphalt, Building Flashing Paper (Bond Beam Paper).....	105.94	
07 26 13 00-0007	CLF 4" Wide Self Adhering Butyl Sealing Tape .....	155.68	
07 26 13 00-0008	CLF 6" Wide Self Adhesive Butyl Sealing Tape .....	221.58	
07 26 13 00-0009	CLF 9" Wide Self Adhesive Butyl Sealing Tape .....	303.94	
07 26 13 00-0010	CSF Building Wrap (Tyvek).....	80.36	

**07 27 Air Barriers (07 25)****07 27 23 Board Product Air Barriers (07 27)****07 27 23 00-0001 Barriers For Plenums (07 27 23)**

07 27 23 00-0002	SF 0.5" Thick Leaded Vinyl Acoustic Plenum Barrier 0.48 LB/SF .....	14.55	4.10
	<i>For Up To 50, Add</i>	5.40	
	<i>For &gt;50 To 200, Add</i>	3.06	
	<i>For &gt;200 To 500, Add</i>	1.13	
	<i>For &gt;2,500, Deduct</i>	-0.73	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 27 23 00-0003	SF		0.625" Thick Leaded Vinyl Acoustic Plenum Barrier 0.87 LB/SF .....	15.74	4.10
			<i>For Up To 50, Add</i>	5.89	
			<i>For &gt;50 To 200, Add</i>	3.34	
			<i>For &gt;200 To 500, Add</i>	1.23	
			<i>For &gt;2,500, Deduct</i>	-0.79	
07 27 23 00-0004	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Parallel With Joists 1" Thick .....	5.85	2.73
			<i>For Up To 50, Add</i>	2.87	
			<i>For &gt;50 To 200, Add</i>	1.58	
			<i>For &gt;200 To 500, Add</i>	0.54	
			<i>For &gt;2,500, Deduct</i>	-0.29	
07 27 23 00-0005	SF		Aluminum Foil Fiberglass Reinforced Plenum Bar Perpendicular With Joists 1" Thick .....	10.67	4.10
			<i>For Up To 50, Add</i>	5.13	
			<i>For &gt;50 To 200, Add</i>	2.83	
			<i>For &gt;200 To 500, Add</i>	0.97	
			<i>For &gt;2,500, Deduct</i>	-0.53	
07 27 23 00-0006	SF		Aluminum Mesh Barrier For Plenum Kraft Paper Backed .....	7.21	2.73
			<i>For Up To 50, Add</i>	3.07	
			<i>For &gt;50 To 200, Add</i>	1.72	
			<i>For &gt;200 To 500, Add</i>	0.61	
			<i>For &gt;2,500, Deduct</i>	-0.36	
07 27 23 00-0007	SF		1/64" Thick Sheet Lead Barrier For Plenum 1 LB/SF .....	11.02	2.73
			<i>For Up To 50, Add</i>	3.48	
			<i>For &gt;50 To 200, Add</i>	2.01	
			<i>For &gt;200 To 500, Add</i>	0.78	
			<i>For &gt;2,500, Deduct</i>	-0.55	
07 27 23 00-0008			<b>Under Slab Insulation, Extruded Polystyrene (XPS) Sheets</b> (07 27 23)		
07 27 23 00-0009	SF		1" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation .....	2.28	
07 27 23 00-0010	SF		2" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation .....	3.36	
07 27 23 00-0011	SF		3" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation .....	4.30	
07 27 23 00-0012	SF		4" Extruded Polystyrene Foam (XPS) Sheet Under Slab Insulation .....	5.22	

**07 30 Steep Slope Roofing** (07)

Note: Includes starter strips and manufacturer's product specific warranties.

**07 31 Shingles and Shakes** (07 30)

**07 31 13 Asphalt Shingles** (07 31)

**07 31 13 13 Fiberglass-Reinforced Asphalt Shingles** (07 31 13)

**07 31 13 13-0001 Three Tab Fiberglass Reinforced, Asphalt Composition Shingle** (07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0002	SQ		200 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed CT 20) .....	287.03	203.14
			<i>For &gt;35 To 75, Deduct</i>	-10.23	
			<i>For &gt;75 To 100, Deduct</i>	-16.89	
			<i>For &gt;100 To 200, Deduct</i>	-25.60	
			<i>For &gt;200, Deduct</i>	-38.93	
			<i>For Steep Roof, Over 7 To 12, Add</i>	59.12	
07 31 13 13-0003	SQ		220 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 25) .....	301.04	213.34
			<i>For &gt;35 To 75, Deduct</i>	-10.71	
			<i>For &gt;75 To 100, Deduct</i>	-17.70	
			<i>For &gt;100 To 200, Deduct</i>	-26.83	
			<i>For &gt;200, Deduct</i>	-40.82	
			<i>For Steep Roof, Over 7 To 12, Add</i>	62.06	
07 31 13 13-0004	SQ		230 LB/SQ, 5" Exposure, Three Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed XT 30) .....	344.81	223.97
			<i>For &gt;35 To 75, Deduct</i>	-14.11	
			<i>For &gt;75 To 100, Deduct</i>	-22.03	
			<i>For &gt;100 To 200, Deduct</i>	-32.76	
			<i>For &gt;200, Deduct</i>	-48.59	
			<i>For Steep Roof, Over 7 To 12, Add</i>	65.18	

**07 31 13 13-0005 Architectural Fiberglass Reinforced, Asphalt Composition Shingle** (07 31 13 13)

Note: Excludes underlayment, drip edges, and ridge vent/shingles.

07 31 13 13-0006	SQ		245 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark) .....	358.90	259.32
			<i>For &gt;35 To 75, Deduct</i>	-12.32	
			<i>For &gt;75 To 100, Deduct</i>	-20.68	
			<i>For &gt;100 To 200, Deduct</i>	-31.50	
			<i>For &gt;200, Deduct</i>	-48.21	
			<i>For Steep Roof, Over 7 To 12, Add</i>	75.43	
07 31 13 13-0007	SQ		240 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Highland Slate) .....	375.61	246.91
			<i>For &gt;35 To 75, Deduct</i>	-15.11	
			<i>For &gt;75 To 100, Deduct</i>	-23.74	
			<i>For &gt;100 To 200, Deduct</i>	-35.40	
			<i>For &gt;200, Deduct</i>	-52.67	
			<i>For Steep Roof, Over 7 To 12, Add</i>	71.85	
07 31 13 13-0008	SQ		265 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Plus) .....	407.64	272.28
			<i>For &gt;35 To 75, Deduct</i>	-16.01	
			<i>For &gt;75 To 100, Deduct</i>	-25.40	
			<i>For &gt;100 To 200, Deduct</i>	-37.99	
			<i>For &gt;200, Deduct</i>	-56.77	
			<i>For Steep Roof, Over 7 To 12, Add</i>	79.22	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 31 13 13-0009	SQ	235 LB/SQ, 8" Exposure, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Hatteras).....	389.27	235.17
		<i>For &gt;35 To 75, Deduct</i>	-17.55	
		<i>For &gt;75 To 100, Deduct</i>	-26.40	
		<i>For &gt;100 To 200, Deduct</i>	-38.77	
		<i>For &gt;200, Deduct</i>	-56.48	
		<i>For Steep Roof, Over 7 To 12, Add</i>	68.41	
07 31 13 13-0010	SQ	300 LB/SQ, 5" Exposure, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Premium) .....	440.74	285.92
		<i>For &gt;35 To 75, Deduct</i>	-18.09	
		<i>For &gt;75 To 100, Deduct</i>	-28.20	
		<i>For &gt;100 To 200, Deduct</i>	-41.93	
		<i>For &gt;200, Deduct</i>	-62.16	
		<i>For Steep Roof, Over 7 To 12, Add</i>	83.16	
07 31 13 13-0011	SQ	300 LB/SQ, 5" Exposure, Random Laminated Tabs, One Piece, Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Independence).....	467.25	285.92
		<i>For &gt;35 To 75, Deduct</i>	-20.74	
		<i>For &gt;75 To 100, Deduct</i>	-31.38	
		<i>For &gt;100 To 200, Deduct</i>	-46.17	
		<i>For &gt;200, Deduct</i>	-67.46	
		<i>For Steep Roof, Over 7 To 12, Add</i>	83.16	
07 31 13 13-0012	SQ	355 LB/SQ, 4" Exposure, Sculpted Edge, Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake).....	510.74	315.18
		<i>For &gt;35 To 75, Deduct</i>	-22.42	
		<i>For &gt;75 To 100, Deduct</i>	-34.06	
		<i>For &gt;100 To 200, Deduct</i>	-50.19	
		<i>For &gt;200, Deduct</i>	-73.49	
		<i>For Steep Roof, Over 7 To 12, Add</i>	91.71	
07 31 13 13-0013	SQ	340 LB/SQ, 5" Exposure, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark TL) .....	504.56	300.22
		<i>For &gt;35 To 75, Deduct</i>	-23.17	
		<i>For &gt;75 To 100, Deduct</i>	-34.63	
		<i>For &gt;100 To 200, Deduct</i>	-50.72	
		<i>For &gt;200, Deduct</i>	-73.63	
		<i>For Steep Roof, Over 7 To 12, Add</i>	87.31	
07 31 13 13-0014	SQ	300 LB/SQ, 5" Exposure, Reflective Two Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Landmark Solaris).....	499.84	285.92
		<i>For &gt;35 To 75, Deduct</i>	-24.00	
		<i>For &gt;75 To 100, Deduct</i>	-35.29	
		<i>For &gt;100 To 200, Deduct</i>	-51.39	
		<i>For &gt;200, Deduct</i>	-73.98	
		<i>For Steep Roof, Over 7 To 12, Add</i>	83.16	
07 31 13 13-0015	SQ	355 LB/SQ, 8" Exposure, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Centennial Slate) .....	582.11	315.18
		<i>For &gt;35 To 75, Deduct</i>	-29.55	
		<i>For &gt;75 To 100, Deduct</i>	-42.63	
		<i>For &gt;100 To 200, Deduct</i>	-61.61	
		<i>For &gt;200, Deduct</i>	-87.76	
		<i>For Steep Roof, Over 7 To 12, Add</i>	91.71	
07 31 13 13-0016	SQ	355 LB/SQ, 8" Exposure, Scalloped Cut, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Carriage House).....	600.70	315.18
		<i>For &gt;35 To 75, Deduct</i>	-31.41	
		<i>For &gt;75 To 100, Deduct</i>	-44.86	
		<i>For &gt;100 To 200, Deduct</i>	-64.59	
		<i>For &gt;200, Deduct</i>	-91.48	
		<i>For Steep Roof, Over 7 To 12, Add</i>	91.71	
07 31 13 13-0017	SQ	480 LB/SQ, 4" Exposure, Sculpted Edge, Three Layer Laminated Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed Presidential Shake TL).....	666.94	347.54
		<i>For &gt;35 To 75, Deduct</i>	-35.10	
		<i>For &gt;75 To 100, Deduct</i>	-50.02	
		<i>For &gt;100 To 200, Deduct</i>	-71.96	
		<i>For &gt;200, Deduct</i>	-101.79	
		<i>For Steep Roof, Over 7 To 12, Add</i>	101.10	
07 31 13 13-0018	SQ	425 LB/SQ, 8" Exposure, Random Laminated Tabs, Two Full Size Layers, Four Tab Fiberglass Reinforced, Asphalt Composition Shingle (CertainTeed GrandManor).....	655.09	330.91
		<i>For &gt;35 To 75, Deduct</i>	-35.42	
		<i>For &gt;75 To 100, Deduct</i>	-50.03	
		<i>For &gt;100 To 200, Deduct</i>	-71.72	
		<i>For &gt;200, Deduct</i>	-100.93	
		<i>For Steep Roof, Over 7 To 12, Add</i>	96.28	
		<i>For Asphalt Roof Cement Applied To Front Edge, Add</i>	20.79	

**07 31 13 13-0019 Asphalt Shingle Accessories (07 31 13 13)**

07 31 13 13-0020	LF	Hip And Ridge Roll Vent.....	8.98	1.21
		Note: Excludes shingles.		
07 31 13 13-0021	LF	Three Tab Hip And Ridge Shingles .....	4.09	3.02
07 31 13 13-0022	LF	Architectural Hip And Ridge Shingles .....	4.90	3.36
07 31 13 13-0023	SQ	Demolish Each Additional Layer Of Shingles.....	94.19	

**07 31 16 Metal Shingles (07 31)****07 31 16 00-0001 Aluminum Shingles (07 31 16)**

07 31 16 00-0002	SQ	Aluminum Shingles, Mill Finish, 0.020" Thick.....	777.00	191.25
		<i>For Colors, Anodized Finish, Add</i>	30.00	
		<i>For Bonderized Finish, Add</i>	47.00	
		<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 16 00-0003	SQ		Aluminum Shingles, Mill Finish, 0.030" Thick .....	1,052.72	209.02
			<i>For Colors, Anodized Finish, Add</i>	30.00	
			<i>For Bonderized Finish, Add</i>	47.00	
			<i>For 1" Factory Applied Polystyrene, Add</i>	37.00	
07 31 16 00-0004	LF		Aluminum Shingles, Ridge Cap, 0.020" Thick .....	14.09	2.76
07 31 16 00-0005	LF		Aluminum Shingles, Ridge Cap, 0.030" Thick .....	14.74	2.76
07 31 16 00-0006	LF		Aluminum Shingles, Valley Section, 0.020" Thick .....	9.29	2.76
07 31 16 00-0007	LF		Aluminum Shingles, Valley Section, 0.030" Thick .....	10.57	2.76
<b>07 31 16 00-0008</b>			<b>Galvanized Steel Shingles (07 31 16)</b>		
07 31 16 00-0009	SQ		24 Gauge, 0.0276" Thickness, Galvanized Steel Shingles .....	623.53	172.08
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-11.17	
			<i>For &gt;75 To 100, Deduct</i>	-28.16	
			<i>For &gt;100 To 200, Deduct</i>	-47.94	
			<i>For &gt;200, Deduct</i>	-64.92	
			<i>For Steep Roof, Over 7 To 12, Add</i>	110.15	
07 31 16 00-0010	SQ		26 Gauge, 0.0217" Thickness, Galvanized Steel Shingles .....	597.59	170.71
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-10.25	
			<i>For &gt;75 To 100, Deduct</i>	-26.47	
			<i>For &gt;100 To 200, Deduct</i>	-45.26	
			<i>For &gt;200, Deduct</i>	-61.48	
			<i>For Steep Roof, Over 7 To 12, Add</i>	109.21	
07 31 16 00-0011	SQ		24 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles .....	1,030.73	172.08
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-27.46	
			<i>For &gt;75 To 100, Deduct</i>	-56.66	
			<i>For &gt;100 To 200, Deduct</i>	-92.73	
			<i>For &gt;200, Deduct</i>	-121.93	
			<i>For Steep Roof, Over 7 To 12, Add</i>	110.15	
07 31 16 00-0012	SQ		26 Gauge, 0.0276" Thickness, Galvanized And Bonderized Steel Shingles .....	943.16	170.71
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-24.07	
			<i>For &gt;75 To 100, Deduct</i>	-50.66	
			<i>For &gt;100 To 200, Deduct</i>	-83.27	
			<i>For &gt;200, Deduct</i>	-109.86	
			<i>For Steep Roof, Over 7 To 12, Add</i>	109.21	
07 31 16 00-0013	LF		Galvanized Steel Shingles, Ridge Or Valley .....	10.39	2.29
			<i>For Factory Applied 1" Polystyrene Insulation, Add</i>	24.75	
			<i>For &gt;50 To 75, Deduct</i>	-0.24	
			<i>For &gt;75 To 100, Deduct</i>	-0.52	
			<i>For &gt;100 To 200, Deduct</i>	-0.87	
			<i>For &gt;200, Deduct</i>	-1.16	
			<i>For Steep Roof, Over 7 To 12, Add</i>	1.44	
<b>07 31 26</b>			<b>Slate Shingles (07 31)</b>		
			Note: Includes 30 LB felt and fasteners.		
<b>07 31 26 00-0001</b>			<b>Shingles Including 30 LB Felt And Nails (07 31 26)</b>		
07 31 26 00-0002	SQ		Slate Shingles, Buckingham, Virginia Black, 3/16" Thick .....	1,422.37	293.62
			<i>For &gt;50 To 75, Deduct</i>	-30.80	
			<i>For &gt;75 To 100, Deduct</i>	-70.21	
			<i>For &gt;100 To 200, Deduct</i>	-117.32	
			<i>For &gt;200, Deduct</i>	-156.72	
			<i>For Graduated Shapes, Add</i>	115.49	
			<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	
07 31 26 00-0003	SQ		Slate Shingles, Buckingham, Virginia Black, 1/4" Thick .....	1,633.74	293.62
			<i>For &gt;50 To 75, Deduct</i>	-39.25	
			<i>For &gt;75 To 100, Deduct</i>	-85.00	
			<i>For &gt;100 To 200, Deduct</i>	-140.57	
			<i>For &gt;200, Deduct</i>	-186.32	
			<i>For Graduated Shapes, Add</i>	147.20	
			<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	
07 31 26 00-0004	SQ		Slate Shingles, Penn Black Bangor .....	1,570.33	293.62
			<i>For &gt;50 To 75, Deduct</i>	-36.72	
			<i>For &gt;75 To 100, Deduct</i>	-80.56	
			<i>For &gt;100 To 200, Deduct</i>	-133.59	
			<i>For &gt;200, Deduct</i>	-177.44	
			<i>For Graduated Shapes, Add</i>	137.69	
			<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	
07 31 26 00-0005	SQ		Slate Shingles, Vermont, Unfading Colors, Green .....	1,591.46	293.62
			<i>For &gt;50 To 75, Deduct</i>	-37.56	
			<i>For &gt;75 To 100, Deduct</i>	-82.04	
			<i>For &gt;100 To 200, Deduct</i>	-135.92	
			<i>For &gt;200, Deduct</i>	-180.40	
			<i>For Graduated Shapes, Add</i>	140.86	
			<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	
07 31 26 00-0006	SQ		Slate Shingles, Vermont, Unfading Colors, Semi-Weathered, Green/Gray .....	1,676.01	293.62
			<i>For &gt;50 To 75, Deduct</i>	-40.94	
			<i>For &gt;75 To 100, Deduct</i>	-87.96	
			<i>For &gt;100 To 200, Deduct</i>	-145.22	
			<i>For &gt;200, Deduct</i>	-192.23	
			<i>For Graduated Shapes, Add</i>	153.54	
			<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 31 Shingles and Shakes**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 31 26 00-0007	SQ	Slate Shingles, Vermont, Unfading Color, Purple	1,570.33	293.62
		<i>For &gt;50 To 75, Deduct</i>	-36.72	
		<i>For &gt;75 To 100, Deduct</i>	-80.56	
		<i>For &gt;100 To 200, Deduct</i>	-133.59	
		<i>For &gt;200, Deduct</i>	-177.44	
		<i>For Graduated Shapes, Add</i>	137.69	
		<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	
07 31 26 00-0008	SQ	Slate Shingles, Vermont, Unfading Color, Black Or Gray	1,506.92	293.62
		<i>For &gt;50 To 75, Deduct</i>	-34.18	
		<i>For &gt;75 To 100, Deduct</i>	-76.13	
		<i>For &gt;100 To 200, Deduct</i>	-126.62	
		<i>For &gt;200, Deduct</i>	-168.56	
		<i>For Graduated Shapes, Add</i>	128.18	
		<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	
07 31 26 00-0009	SQ	Slate Shingles, Vermont, Unfading Color, Red	2,827.65	293.62
		<i>For &gt;50 To 75, Deduct</i>	-87.01	
		<i>For &gt;75 To 100, Deduct</i>	-168.58	
		<i>For &gt;100 To 200, Deduct</i>	-271.90	
		<i>For &gt;200, Deduct</i>	-353.46	
		<i>For Graduated Shapes, Add</i>	326.28	
		<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	
07 31 26 00-0010	SQ	Slate Shingles, Vermont, Unfading Color, Variegated Purple	1,570.33	293.62
		<i>For &gt;50 To 75, Deduct</i>	-36.72	
		<i>For &gt;75 To 100, Deduct</i>	-80.56	
		<i>For &gt;100 To 200, Deduct</i>	-133.59	
		<i>For &gt;200, Deduct</i>	-177.44	
		<i>For Graduated Shapes, Add</i>	137.69	
		<i>For Steep Roof, Over 7 To 12, Add</i>	208.77	

**07 31 29 Wood Shingles and Shakes (07 31)****07 31 29 13 Wood Shingles (07 31 29)****07 31 29 13-0001 #1 Grade, Red Cedar Shingles (07 31 29 13)****07 31 29 13-0002 #1 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0001)**

07 31 29 13-0003	SQ	3-3/4" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	1,036.35	273.37
		<i>For Steep Roof, Over 7 To 12, Add</i>	174.95	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	73.44	
07 31 29 13-0004	SQ	5" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	752.78	205.02
		<i>For Steep Roof, Over 7 To 12, Add</i>	131.21	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	51.41	
07 31 29 13-0005	SQ	4-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	917.60	232.36
		<i>For Steep Roof, Over 7 To 12, Add</i>	148.71	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	67.93	
07 31 29 13-0006	SQ	5-1/2" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	751.81	191.36
		<i>For Steep Roof, Over 7 To 12, Add</i>	122.46	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	55.37	
07 31 29 13-0007	SQ	5-3/4" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	979.17	181.11
		<i>For Steep Roof, Over 7 To 12, Add</i>	115.90	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	92.55	
07 31 29 13-0008	SQ	7-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Roof	761.00	153.77
		<i>For Steep Roof, Over 7 To 12, Add</i>	98.41	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	68.02	

**07 31 29 13-0009 #1 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0001)**

07 31 29 13-0010	SQ	7" Exposure, 16" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	736.87	246.03
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	36.72	
07 31 29 13-0011	SQ	8" Exposure, 18" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	719.27	232.36
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	38.18	
07 31 29 13-0012	SQ	10-1/2" Exposure, 24" Shingle, #1 Grade, Red Cedar Shingles Installed On Wall	727.12	201.61
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	48.59	

**07 31 29 13-0013 #2 Grade, Red Cedar Shingles (07 31 29 13)****07 31 29 13-0014 #2 Grade, Red Cedar Shingles Installed On Roofs (07 31 29 13-0013)**

07 31 29 13-0015	SQ	3-1/2" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	969.53	287.04
		<i>For Steep Roof, Over 7 To 12, Add</i>	183.70	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	59.32	
07 31 29 13-0016	SQ	4" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	865.43	259.70
		<i>For Steep Roof, Over 7 To 12, Add</i>	166.20	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	51.91	
07 31 29 13-0017	SQ	4" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	919.41	259.70
		<i>For Steep Roof, Over 7 To 12, Add</i>	166.20	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	60.00	
07 31 29 13-0018	SQ	4-1/2" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	820.55	232.36
		<i>For Steep Roof, Over 7 To 12, Add</i>	148.71	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	53.38	
07 31 29 13-0019	SQ	5-3/4" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	792.65	181.11
		<i>For Steep Roof, Over 7 To 12, Add</i>	115.90	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	64.57	
07 31 29 13-0020	SQ	6-1/2" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Roof	649.63	157.19
		<i>For Steep Roof, Over 7 To 12, Add</i>	100.60	
		<i>For Pressure-Impregnated Treated (Preservative), Add</i>	50.29	

**07 31 29 13-0021 #2 Grade, Red Cedar Shingles Installed On Walls (07 31 29 13-0013)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 29 13-0022	SQ		6" Exposure, 16" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	717.13 29.66	259.70
07 31 29 13-0023	SQ		7" Exposure, 18" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	692.06 30.00	246.03
07 31 29 13-0024	SQ		9" Exposure, 24" Shingle, #2 Grade, Red Cedar Shingles Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	663.36 33.90	218.69
<b>07 31 29 16 Wood Shakes (07 31 29)</b>					
07 31 29 16-0001			<b>#1 Grade, Red Cedar Shakes (07 31 29 16)</b>		
07 31 29 16-0002			<b>#1 Grade, Red Cedar Shakes Installed On Roofs (07 31 29 16-0001)</b>		
07 31 29 16-0003	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	760.59 142.15 47.46	222.11
07 31 29 16-0004	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Roof ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	866.05 142.15 63.28	222.11
07 31 29 16-0005	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	797.22 115.90 65.25	181.11
07 31 29 16-0006	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Roof..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative), Add</i>	842.04 115.90 71.98	181.11
07 31 29 16-0007			<b>#1 Grade, Red Cedar Shakes Installed On Walls (07 31 29 16-0001)</b>		
07 31 29 16-0008	SQ		8-1/2" Exposure, 1/2" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	794.76 47.46	239.20
07 31 29 16-0009	SQ		8-1/2" Exposure, 3/4" Thick, 18" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	900.22 63.28	239.20
07 31 29 16-0010	SQ		10" Exposure, 1/2" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	845.06 65.25	205.02
07 31 29 16-0011	SQ		10" Exposure, 3/4" Thick, 24" Shake, #1 Grade, Red Cedar Shakes Installed On Wall ..... <i>For Pressure-Impregnated Treated (Preservative), Add</i>	889.88 71.98	205.02
<b>07 31 29 19 Wood Shingles And Shakes Cap (07 31 29)</b>					
07 31 29 19-0001			<b>Wood Hip And Ridge Cap For Wood Shingles Or Shakes (07 31 29 19)</b>		
07 31 29 19-0002	LF		Red Cedar Hip Or Ridge Cap For Wood Shingles Or Shakes ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Pressure-Impregnated Treated (Preservative) Ridge, Add</i>	12.49 1.32 1.25	1.77
<b>07 31 33 Composite Rubber Shingles (07 31)</b>					
07 31 33 00-0001			<b>Synthetic Polymeric Rubber Slate Shingles (07 31 33)</b>		
Note: As manufactured by EcoStar.					
Note: Gray or black.					
07 31 33 00-0002	SQ		Class C Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure ..... <i>For Purple Or Green Color, Add</i> <i>For Brown Or Red Color, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,376.31 138.21 354.16 164.00 -21.60 -56.00 -90.41 -137.63 90.73 191.75	256.29
07 31 33 00-0003	SQ		Class A Rectangular Edges Polymeric Rubber Slate Shingles, 7.0 Inch Exposure ..... <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,952.17 215.95 164.00 -35.99 -84.80 -133.60 -195.22 131.85 274.05	256.29
07 31 33 00-0004	SQ		Class C Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure..... <i>For Purple, Green, Brown Or Red, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i> <i>For &gt;50 To 75, Deduct</i> <i>For &gt;75 To 100, Deduct</i> <i>For &gt;100 To 200, Deduct</i> <i>For &gt;200, Deduct</i> <i>For 6.5" Exposure, Add</i> <i>For 6.0" Exposure, Add</i>	1,613.43 396.33 164.00 -27.52 -67.86 -108.19 -161.34 107.67 225.64	256.29

## 07 Thermal And Moisture Protection

## 07 30 Steep Slope Roofing

## 07 31 Shingles and Shakes

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 31 33 00-0005	SQ	Class A Shaped Polymeric Rubber Slate Shingle, 7.0 Inch Exposure.....	2,070.73	256.29
		Note: Fire resistant. Beaver tail, chisel point or beveled edges. Gray or black.		
		For Purple, Green, Brown Or Red, Add	171.40	
		For Steep Roof, Over 7 To 12, Add	164.00	
		For >50 To 75, Deduct	-38.96	
		For >75 To 100, Deduct	-90.72	
		For >100 To 200, Deduct	-142.49	
		For >200, Deduct	-207.07	
		For 6.5" Exposure, Add	140.32	
		For 6.0" Exposure, Add	290.99	
07 31 33 00-0006	LF	Hip Or Ridge Polymeric Rubber Slate Shingle.....	16.38	1.72
		Note: Beveled or pointed edges, gray or black.		
		For Steep Roof, Over 7 To 12, Add	0.87	
07 31 33 00-0007		<b>Synthetic Slate Shingles</b> (07 31 33)		
		Note: As manufactured by Inspire Roofing Products.		
07 31 33 00-0008		<b>Class C Synthetic Slate Shingles</b> (07 31 33 00-0007)		
07 31 33 00-0009	SQ	6" Exposure, Class C Synthetic Slate Shingles .....	1,804.97	191.90
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	83.56	
		For Class C Cool Roof Colors, Add	209.05	
		For Class C Cool Roof Mix Color, Add	292.62	
		For Steep Roof, Over 7 To 12, Add	122.82	
		For >50 To 75, Deduct	-35.53	
		For >75 To 100, Deduct	-80.65	
		For >100 To 200, Deduct	-125.78	
		For >200, Deduct	-180.50	
07 31 33 00-0010	SQ	6-1/2" Exposure, Class C Synthetic Slate Shingles .....	1,680.11	182.72
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	77.30	
		For Class C Cool Roof Colors, Add	193.37	
		For Class C Cool Roof Mix Color, Add	270.67	
		For Steep Roof, Over 7 To 12, Add	116.97	
		For >50 To 75, Deduct	-32.86	
		For >75 To 100, Deduct	-74.87	
		For >100 To 200, Deduct	-116.87	
		For >200, Deduct	-168.01	
07 31 33 00-0011	SQ	7" Exposure, Class C Synthetic Slate Shingles .....	1,564.01	174.45
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	71.45	
		For Class C Cool Roof Colors, Add	178.74	
		For Class C Cool Roof Mix Color, Add	250.19	
		For Steep Roof, Over 7 To 12, Add	111.65	
		For >50 To 75, Deduct	-30.38	
		For >75 To 100, Deduct	-69.48	
		For >100 To 200, Deduct	-108.58	
		For >200, Deduct	-156.40	
07 31 33 00-0012	SQ	7-1/2" Exposure, Class C Synthetic Slate Shingles .....	1,470.68	166.87
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	66.85	
		For Class C Cool Roof Colors, Add	167.24	
		For Class C Cool Roof Mix Color, Add	234.10	
		For Steep Roof, Over 7 To 12, Add	106.80	
		For >50 To 75, Deduct	-28.42	
		For >75 To 100, Deduct	-65.19	
		For >100 To 200, Deduct	-101.96	
		For >200, Deduct	-147.07	
07 31 33 00-0013	SQ	8" Exposure, Class C Synthetic Slate Shingles .....	1,385.72	159.91
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	62.67	
		For Class C Cool Roof Colors, Add	156.79	
		For Class C Cool Roof Mix Color, Add	219.46	
		For Steep Roof, Over 7 To 12, Add	102.35	
		For >50 To 75, Deduct	-26.65	
		For >75 To 100, Deduct	-61.29	
		For >100 To 200, Deduct	-95.93	
		For >200, Deduct	-138.57	
07 31 33 00-0014	LF	Starter Strip, Class C Synthetic Slate Shingle .....	9.37	1.72
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	0.39	
		For Class C Cool Roof Colors, Add	0.98	
		For Class C Cool Roof Mix Color, Add	1.37	
		For Steep Roof, Over 7 To 12, Add	0.87	
07 31 33 00-0015	LF	Hip And Ridge, Class C Synthetic Slate Shingle .....	17.59	1.72
		Note: Standard colors.		
		For Class C Mix Roof Colors, Add	0.87	
		For Class C Cool Roof Colors, Add	2.19	
		For Class C Cool Roof Mix Color, Add	3.06	
		For Steep Roof, Over 7 To 12, Add	0.87	
07 31 33 00-0016		<b>Class A Synthetic Slate Shingles</b> (07 31 33 00-0007)		
		Note: For Class "A" Rating a 35 LB Styrene-Butadiene-Styrene (SBS) underlayment is required.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 31 33 00-0017	SQ		6" Exposure, Class A Synthetic Slate Shingles ..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,966.44 83.09 207.80 290.89 122.82 -39.57 -88.73 -137.89 -196.64	191.90
07 31 33 00-0018	SQ		6-1/2" Exposure, Class A Synthetic Slate Shingles ..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,829.47 76.86 192.22 269.07 116.97 -36.60 -82.34 -128.07 -182.95	182.72
07 31 33 00-0019	SQ		7" Exposure, Class A Synthetic Slate Shingles ..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,702.07 71.04 177.67 248.71 111.65 -33.83 -76.38 -118.93 -170.21	174.45
07 31 33 00-0020	SQ		7-1/2" Exposure, Class A Synthetic Slate Shingles ..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,599.85 66.47 166.24 232.71 106.80 -31.65 -71.65 -111.65 -159.99	166.87
07 31 33 00-0021	SQ		8" Exposure, Class A Synthetic Slate Shingles ..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct	1,506.82 62.32 155.85 218.17 102.35 -29.67 -67.35 -105.02 -150.68	159.91
07 31 33 00-0022	LF		Starter Strip, Class A Synthetic Slate Shingle ..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add	9.82 0.37 0.93 1.30 0.87	1.72
07 31 33 00-0023	LF		Hip And Ridge, Class A Synthetic Slate Shingle..... Note: Standard colors. For Class A Mix Roof Colors, Add For Class A Cool Roof Colors, Add For Class A Cool Roof Mix Color, Add For Steep Roof, Over 7 To 12, Add	19.28 0.87 2.17 3.04 0.87	1.72

**07 32 Roof Tiles (07 30)**

**07 32 13 Clay Roof Tiles (07 32)**

Note: 8-1/4" x 11" exposure. Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

**07 32 13 00-0001 Clay Roofing Tile 8-1/4" x 11" Exposure (07 32 13)**

Note: Includes mortar, battens, fasteners, felt underlayment and 90# cap sheet.

07 32 13 00-0002	SQ		Lanai Or Classic Tile, 158 Piece Per SQ ..... For >25 To 50, Deduct For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 20 Year Warranty, Add	1,341.54 -47.07 -92.38 -129.84 -159.46 -181.23 54.92	278.45
07 32 13 00-0003	SQ		Americana (Most Colors) Tile Roofing, 158 Piece Per SQ ..... For >25 To 50, Deduct For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 20 Year Warranty, Add	1,593.00 -62.16 -117.53 -162.53 -197.18 -221.46 72.52	278.45
07 32 13 00-0004	SQ		Americana (Green, Gray Or Brown) Tile, 158 Piece Per SQ ..... For >25 To 50, Deduct For >50 To 75, Deduct For >75 To 100, Deduct For >100 To 200, Deduct For >200, Deduct For 20 Year Warranty, Add	1,593.00 -62.16 -117.53 -162.53 -197.18 -221.46 72.52	278.45

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 32 Roof Tiles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 32 13 00-0005	SQ Americana (Blue) Tile, 158 Piece Per SQ.....	1,806.36	278.45
	For >25 To 50, Deduct	-74.96	
	For >50 To 75, Deduct	-138.86	
	For >75 To 100, Deduct	-190.27	
	For >100 To 200, Deduct	-229.18	
	For >200, Deduct	-255.60	
	For 20 Year Warranty, Add	87.46	
07 32 13 00-0006	SQ French Tile Roofing, Red, 133 Piece Per SQ .....	1,600.66	340.46
	For >25 To 50, Deduct	-55.19	
	For >50 To 75, Deduct	-109.00	
	For >75 To 100, Deduct	-153.61	
	For >100 To 200, Deduct	-189.03	
	For >200, Deduct	-215.25	
	For 20 Year Warranty, Add	64.38	
07 32 13 00-0007	SQ French Tile Roofing, Blue Or Green, 133 Piece Per SQ .....	1,976.00	340.46
	For >25 To 50, Deduct	-77.71	
	For >50 To 75, Deduct	-146.53	
	For >75 To 100, Deduct	-202.41	
	For >100 To 200, Deduct	-245.33	
	For >200, Deduct	-275.31	
	For 20 Year Warranty, Add	90.66	
07 32 13 00-0008	SQ Norman Tile Roofing, 317 Piece Per SQ .....	2,525.84	459.31
	For >25 To 50, Deduct	-96.45	
	For >50 To 75, Deduct	-183.71	
	For >75 To 100, Deduct	-254.89	
	For >100 To 200, Deduct	-310.00	
	For >200, Deduct	-349.04	
	For 20 Year Warranty, Add	112.53	
07 32 13 00-0009	SQ Williamsburg Tile Roofing, Aged Cedar, 158 Piece Per SQ.....	1,412.87	340.46
	For >25 To 50, Deduct	-43.92	
	For >50 To 75, Deduct	-90.22	
	For >75 To 100, Deduct	-129.20	
	For >100 To 200, Deduct	-160.86	
	For >200, Deduct	-185.21	
	For 20 Year Warranty, Add	51.24	
07 32 13 00-0010	SQ Williamsburg Tile Roofing, Gray Or Green, 158 Piece Per SQ .....	1,716.92	340.46
	For >25 To 50, Deduct	-62.16	
	For >50 To 75, Deduct	-120.62	
	For >75 To 100, Deduct	-168.73	
	For >100 To 200, Deduct	-206.47	
	For >200, Deduct	-233.85	
	For 20 Year Warranty, Add	72.52	
07 32 13 00-0011	SQ Spanish Tile Roofing, Red, 171 Piece Per SQ.....	1,203.01	254.91
	For >25 To 50, Deduct	-41.59	
	For >50 To 75, Deduct	-82.06	
	For >75 To 100, Deduct	-115.60	
	For >100 To 200, Deduct	-142.21	
	For >200, Deduct	-161.89	
	For 20 Year Warranty, Add	48.52	
07 32 13 00-0012	SQ Spanish Tile Roofing, Blend, 171 Piece Per SQ .....	1,530.67	254.91
	For >25 To 50, Deduct	-61.25	
	For >50 To 75, Deduct	-114.83	
	For >75 To 100, Deduct	-158.20	
	For >100 To 200, Deduct	-191.36	
	For >200, Deduct	-214.31	
	For 20 Year Warranty, Add	71.45	
07 32 13 00-0013	SQ Spanish Tile Roofing, Glazed White, 171 Piece Per SQ.....	1,812.61	254.91
	For >25 To 50, Deduct	-78.16	
	For >50 To 75, Deduct	-143.02	
	For >75 To 100, Deduct	-194.85	
	For >100 To 200, Deduct	-233.65	
	For >200, Deduct	-259.42	
	For 20 Year Warranty, Add	91.19	
07 32 13 00-0014	SQ Two Piece Mission Tile Roofing, 192 Piece Per SQ .....	2,216.20	399.60
	For >25 To 50, Deduct	-85.02	
	For >50 To 75, Deduct	-161.68	
	For >75 To 100, Deduct	-224.17	
	For >100 To 200, Deduct	-272.49	
	For >200, Deduct	-306.64	
	For 20 Year Warranty, Add	99.19	
07 32 13 00-0015	SQ One Piece Mission Tile Roofing, 75 Piece Per SQ .....	1,013.88	278.45
	For >25 To 50, Deduct	-27.41	
	For >50 To 75, Deduct	-59.61	
	For >75 To 100, Deduct	-87.25	
	For >100 To 200, Deduct	-110.31	
	For >200, Deduct	-128.80	
	For 20 Year Warranty, Add	31.98	
07 32 13 00-0016	SQ One Piece Mission Tile Roofing, 134 Piece Per SQ .....	1,358.95	399.60
	For >25 To 50, Deduct	-33.59	
	For >50 To 75, Deduct	-75.96	
	For >75 To 100, Deduct	-112.73	
	For >100 To 200, Deduct	-143.90	
	For >200, Deduct	-169.48	
	For 20 Year Warranty, Add	39.18	

**07 32 16 Concrete Roof Tiles (07 32)****07 32 16 00-0001 Corrugated Tiles And Shakes Nailed To Wood (07 32 16)**

Note: Includes 30 lb felt underlayment.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 32 16 00-0002	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Earthtone Colors, Corrugated	1,095.61	422.10
			<i>For &gt;50 To 75, Deduct</i>	-10.05	
			<i>For &gt;75 To 100, Deduct</i>	-38.70	
			<i>For &gt;100 To 200, Deduct</i>	-69.86	
			<i>For &gt;200, Deduct</i>	-98.51	
			<i>For Steep Roof, Over 7 To 12, Add</i>	270.18	
07 32 16 00-0003	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Blues, Corrugated	1,341.29	422.10
			<i>For &gt;50 To 75, Deduct</i>	-19.88	
			<i>For &gt;75 To 100, Deduct</i>	-55.90	
			<i>For &gt;100 To 200, Deduct</i>	-96.88	
			<i>For &gt;200, Deduct</i>	-132.90	
			<i>For Steep Roof, Over 7 To 12, Add</i>	270.18	
07 32 16 00-0004	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Custom Greens Corrugated	1,144.74	422.10
			<i>For &gt;50 To 75, Deduct</i>	-12.02	
			<i>For &gt;75 To 100, Deduct</i>	-42.14	
			<i>For &gt;100 To 200, Deduct</i>	-75.26	
			<i>For &gt;200, Deduct</i>	-105.38	
			<i>For Steep Roof, Over 7 To 12, Add</i>	270.18	
07 32 16 00-0005	SQ		13" x 16-1/2" Concrete Roof Tile, 90/SQ, 950 LB/SQ, Colors, Shakes	1,068.16	377.66
			<i>For &gt;50 To 75, Deduct</i>	-12.51	
			<i>For &gt;75 To 100, Deduct</i>	-40.78	
			<i>For &gt;100 To 200, Deduct</i>	-72.17	
			<i>For &gt;200, Deduct</i>	-100.44	
			<i>For Steep Roof, Over 7 To 12, Add</i>	241.74	

**07 32 16 00-0006 Accessories (07 32 16)**

07 32 16 00-0007	EA		Ridge And Hip, 10" X 16-1/2", 8 LB Each For Concrete Tile Roof	4.15	
07 32 16 00-0008	EA		Rake, 6-1/2" X 16-3/4", 9 LB Each For Concrete Tile Roof	2.73	
07 32 16 00-0009	EA		Mansard Hip, 10" X 16-1/2", 9.2 LB Each For Concrete Tile Roof	4.12	
07 32 16 00-0010	EA		Hip Starter, 10" X 16-1/2", 10.5 LB Each For Concrete Tile Roof	4.72	
07 32 16 00-0011	EA		3 Or 4 Way Apex, 10" Each Side, 11.5 LB Each For Concrete Tile Roof	4.91	

**07 34 Roofing Underlayment (07 30)**

**07 34 00 00-0001 Mechanically Fastened, Roofing Underlayment (07 34)**

Note: Standard slope.					
07 34 00 00-0002	SQ		15 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	38.98	8.26
			<i>For Steep Roof, Over 7 To 12, Add</i>	5.29	
			<i>For &gt;50 To 75, Deduct</i>	-0.90	
			<i>For &gt;75 To 100, Deduct</i>	-1.99	
			<i>For &gt;100 To 200, Deduct</i>	-3.30	
			<i>For &gt;200, Deduct</i>	-4.80	
07 34 00 00-0003	SQ		30 LB, Asphalt Saturated Organic Felt Roofing Underlayment, Mechanically Fastened	60.27	11.36
			<i>For Steep Roof, Over 7 To 12, Add</i>	7.27	
			<i>For &gt;50 To 75, Deduct</i>	-1.50	
			<i>For &gt;75 To 100, Deduct</i>	-3.20	
			<i>For &gt;100 To 200, Deduct</i>	-5.27	
			<i>For &gt;200, Deduct</i>	-7.53	
07 34 00 00-0004	SQ		30 LB, Asphalt Saturated Organic Felt Shake Underlayment, Mechanically Fastened	67.34	11.36
			<i>For Steep Roof, Over 7 To 12, Add</i>	7.27	
			<i>For &gt;50 To 75, Deduct</i>	-1.78	
			<i>For &gt;75 To 100, Deduct</i>	-3.69	
			<i>For &gt;100 To 200, Deduct</i>	-6.04	
			<i>For &gt;200, Deduct</i>	-8.52	
07 34 00 00-0005	SQ		Fire Rated, Polypropylene Roofing Underlayment, Mechanically Fastened (Rex™ Synfelt)	74.52	17.20
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.01	
			<i>For &gt;50 To 75, Deduct</i>	-1.60	
			<i>For &gt;75 To 100, Deduct</i>	-3.67	
			<i>For &gt;100 To 200, Deduct</i>	-6.13	
			<i>For &gt;200, Deduct</i>	-9.06	
07 34 00 00-0006	SQ		17 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 25)	82.89	17.20
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.01	
			<i>For &gt;50 To 75, Deduct</i>	-1.94	
			<i>For &gt;75 To 100, Deduct</i>	-4.25	
			<i>For &gt;100 To 200, Deduct</i>	-7.05	
			<i>For &gt;200, Deduct</i>	-10.23	
07 34 00 00-0007	SQ		25 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 30)	96.69	17.20
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.01	
			<i>For &gt;50 To 75, Deduct</i>	-2.49	
			<i>For &gt;75 To 100, Deduct</i>	-5.22	
			<i>For &gt;100 To 200, Deduct</i>	-8.57	
			<i>For &gt;200, Deduct</i>	-12.16	
07 34 00 00-0008	SQ		30 Mil, Fire Rated, High Temperature, Coated Woven Synthetic Roofing Underlayment, Mechanically Fastened (TITANIUM™ UDL 50)	89.79	17.20
			<i>For Steep Roof, Over 7 To 12, Add</i>	11.01	
			<i>For &gt;50 To 75, Deduct</i>	-2.21	
			<i>For &gt;75 To 100, Deduct</i>	-4.74	
			<i>For &gt;100 To 200, Deduct</i>	-7.81	
			<i>For &gt;200, Deduct</i>	-11.19	

**07 34 00 00-0009 Self-Adhering, Roofing Underlayment (07 34)**

Note: Standard slope.

**07 Thermal And Moisture Protection****07 30 Steep Slope Roofing****07 34 Roofing Underlayment**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 34 00 00-0010	SQ	48 Mil, Fire Rated, Polymeric Asphalt Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® Mat) .....	156.25	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-4.58	
		<i>For &gt;75 To 100, Deduct</i>	-9.06	
		<i>For &gt;100 To 200, Deduct</i>	-14.68	
		<i>For &gt;200, Deduct</i>	-20.21	
07 34 00 00-0011	SQ	60 Mil, Fire Rated, Granule Surfaced, Rubberized Asphalt Adhesive, Roofing Underlayment, Self-Adhering (Grace Basik®).....	236.24	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-7.78	
		<i>For &gt;75 To 100, Deduct</i>	-14.66	
		<i>For &gt;100 To 200, Deduct</i>	-23.48	
		<i>For &gt;200, Deduct</i>	-31.40	
07 34 00 00-0012	SQ	53 Mil, Fire Rated, Granule Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self-Adhering (Owens Corning® WeatherLock® G) .....	166.14	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-4.98	
		<i>For &gt;75 To 100, Deduct</i>	-9.75	
		<i>For &gt;100 To 200, Deduct</i>	-15.77	
		<i>For &gt;200, Deduct</i>	-21.59	
07 34 00 00-0013	SQ	65 Mil, Fire Rated, Polyester Non-Woven Fabric Surfaced, Fiberglass Mat Reinforced, Styrene-Butadiene-Styrene (SBS) Modified Roofing Underlayment, Self Adhering (Owens Corning® WeatherLock® Specialty Tile And Metal).....	156.25	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-4.58	
		<i>For &gt;75 To 100, Deduct</i>	-9.06	
		<i>For &gt;100 To 200, Deduct</i>	-14.68	
		<i>For &gt;200, Deduct</i>	-20.21	
07 34 00 00-0014	SQ	45 Mil, Fire Rated, High Temperature, Synthetic Polymer Surfaced, Modified Rubberized Asphalt, Roofing Underlayment, Self-Adhering (TITANIUM™ PSU-30) .....	224.70	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-7.32	
		<i>For &gt;75 To 100, Deduct</i>	-13.85	
		<i>For &gt;100 To 200, Deduct</i>	-22.21	
		<i>For &gt;200, Deduct</i>	-29.79	
07 34 00 00-0015	SQ	25 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Select).....	188.56	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-5.87	
		<i>For &gt;75 To 100, Deduct</i>	-11.32	
		<i>For &gt;100 To 200, Deduct</i>	-18.24	
		<i>For &gt;200, Deduct</i>	-24.73	
07 34 00 00-0016	SQ	40 Mil, Fire Rated, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield®) .....	281.70	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-9.60	
		<i>For &gt;75 To 100, Deduct</i>	-17.84	
		<i>For &gt;100 To 200, Deduct</i>	-28.48	
		<i>For &gt;200, Deduct</i>	-37.77	
07 34 00 00-0017	SQ	40 Mil, Fire Rated, High Temperature, Embossed Surface, Rubberized Asphalt Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ice And Water Shield® HT).....	322.50	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-11.23	
		<i>For &gt;75 To 100, Deduct</i>	-20.70	
		<i>For &gt;100 To 200, Deduct</i>	-32.97	
		<i>For &gt;200, Deduct</i>	-43.48	
07 34 00 00-0018	SQ	30 Mil, Fire Rated, High Temperature, Fire Rated, Embossed Surface, Butyl Rubber Based Adhesive, High Density Cross Laminated Polyethylene Reinforcement, Roofing Underlayment, Self-Adhering (Grace Ultra).....	475.58	20.88
		<i>For Steep Roof, Over 7 To 12, Add</i>	13.35	
		<i>For &gt;50 To 75, Deduct</i>	-17.35	
		<i>For &gt;75 To 100, Deduct</i>	-31.41	
		<i>For &gt;100 To 200, Deduct</i>	-49.81	
		<i>For &gt;200, Deduct</i>	-64.91	

**07 40 Roofing and Siding Panels** (07)**07 41 Roof Panels** (07 40)

Note: Includes standard fasteners, grommets, cleats for installation.

**07 41 13 Metal Roof Panels** (07 41)**07 41 13 00-0001 Exposed Fastener Metal Roofing** (07 41 13)

Note: Includes 15 year warranty and all warranties are no dollar limit to include material and labor.

**07 41 13 00-0002 Galvanized Exposed Fastener Metal Roofing** (07 41 13 00-0001)**07 41 13 00-0003 Galvanized Steel Exposed Fastener Metal Roof Panels** (07 41 13 00-0002)

07 41 13 00-0004	SF	18 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	9.14	3.19
		<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.98	
		<i>For Steep Roof, Over 7 To 12, Add</i>	1.64	
07 41 13 00-0005	SF	20 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	8.43	3.19
		<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.98	
		<i>For Steep Roof, Over 7 To 12, Add</i>	1.64	
07 41 13 00-0006	SF	22 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels.....	7.93	3.19
		<i>For Fluoropolymer (Kynar®) Coating, Add</i>	1.98	
		<i>For Steep Roof, Over 7 To 12, Add</i>	1.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0007	SF		24 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.44 1.98 1.64	3.19
07 41 13 00-0008	SF		26 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.03 1.98 1.64	3.19
07 41 13 00-0009	SF		28 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	6.68 1.98 1.64	3.19
07 41 13 00-0010	SF		30 Gauge, Corrugated Or Ribbed, Galvanized Exposed Fastener Metal Roof Panels..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	6.54 1.98 1.64	3.19
<b>07 41 13 00-0011</b>			<b>Galvanized Exposed Fastener Metal Roof Accessories</b> (07 41 13 00-0002) See CSI section 07 41 13 00-0038 for accessories.		
07 41 13 00-0012	LF		Ridge Flashing For Galvanized Steel Exposed Fastener Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	29.39 4.29 1.60	3.32
07 41 13 00-0013	LF		9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Exposed Fastener Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	18.41 2.86 0.95	2.17
07 41 13 00-0014	LF		Valley Flashing For Galvanized Steel Exposed Fastener Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	35.67 4.29 2.23	3.32
07 41 13 00-0015	LF		Hip Flashing For Galvanized Steel Exposed Fastener Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	29.96 4.29 1.66	3.32
<b>07 41 13 00-0016</b>			<b>Aluminum Exposed Fastener Metal Roofing</b> (07 41 13 00-0001)		
<b>07 41 13 00-0017</b>			<b>Aluminum Exposed Fastener Metal Roof Panels</b> (07 41 13 00-0016)		
07 41 13 00-0018	SF		0.0155", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.59 1.98 1.64	3.19
07 41 13 00-0019	SF		0.018", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	7.98 1.98 1.64	3.19
07 41 13 00-0020	SF		0.024", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	8.94 1.98 1.64	3.19
07 41 13 00-0021	SF		0.032", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	10.22 1.98 1.64	3.19
07 41 13 00-0022	SF		0.040", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	11.50 1.98 1.64	3.19
07 41 13 00-0023	SF		0.050", Corrugated Or Ribbed, Aluminum Exposed Fastener Metal Roof Panels ..... <i>For Fluoropolymer (Kynar®) Coating, Add</i> <i>For Steep Roof, Over 7 To 12, Add</i>	13.09 1.98 1.64	3.19
<b>07 41 13 00-0024</b>			<b>Aluminum Exposed Fastener Metal Roof Accessories</b> (07 41 13 00-0016)		
07 41 13 00-0025	LF		Ridge Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	33.24 4.29 1.98	3.32
07 41 13 00-0026	LF		9" To 12" Girth, Eave Or Gable Flashing For Aluminum Exposed Fastener Metal Roofing..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	20.63 2.86 1.17	2.30
07 41 13 00-0027	LF		Valley Flashing For Aluminum Exposed Fastener Metal Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	41.08 4.29 2.77	3.32
07 41 13 00-0028	LF		Hip Flashing For Aluminum Exposed Fastener Metal Roofing ..... <i>For Steep Roof, Over 7 To 12, Add</i> <i>For Fluoropolymer (Kynar®) Coating, Add</i>	33.95 4.29 2.05	3.32
<b>07 41 13 00-0029</b>			<b>Standing Seam Roofs</b> (07 41 13) Note: Includes all profiles of vertical leg and batten style standing seam roofing. Includes all clips, neoprene closures, metal closures, battens, tape sealer, tube sealant, fasteners, vent material, panel starters and cleats. Based on Garland R-Mer Clad or R-Mer Seam architectural roofing, R-Mer Loc architectural/structural roofing, and R-Mer Span structural roofing. Architectural roofing requires a solid substrate and underlayment, requires a minimum 3:12 pitch, and includes a 20 year no dollar limit warranty. Architectural/structural roofing does not require a solid substrate or underlayment, requires a minimum 3:12 pitch, and includes a 25 year no dollar limit warranty. Structural roofing does not require a solid substrate or underlayment, requires a minimum 1/4" per foot slope, and includes a 25 year no dollar limit warranty.		
<b>07 41 13 00-0030</b>			<b>Galvanized Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029)		
<b>07 41 13 00-0031</b>			<b>Galvanized Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0030)		
07 41 13 00-0032	SF		Architectural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	14.04 2.03 0.82 1.95 3.51 2.11 0.35	3.38

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

07 41 13 00-0033	SF	Architectural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing .....	14.73	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.84	
		<i>For Panels &lt;16" Wide, Add</i>	1.99	
		<i>For Up To 1,500, Add</i>	3.68	
		<i>For &gt;1,500 To 5,000, Add</i>	2.21	
		<i>For &gt;5,000 To 10,000, Add</i>	0.37	
07 41 13 00-0034	SF	Architectural/Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing .....	13.44	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.81	
		<i>For Panels &lt;16" Wide, Add</i>	1.92	
		<i>For Up To 1,500, Add</i>	3.36	
		<i>For &gt;1,500 To 5,000, Add</i>	2.02	
		<i>For &gt;5,000 To 10,000, Add</i>	0.34	
07 41 13 00-0035	SF	Architectural/Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing .....	13.68	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.81	
		<i>For Panels &lt;16" Wide, Add</i>	1.93	
		<i>For Up To 1,500, Add</i>	3.42	
		<i>For &gt;1,500 To 5,000, Add</i>	2.05	
		<i>For &gt;5,000 To 10,000, Add</i>	0.34	
07 41 13 00-0036	SF	Structural 24 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing .....	13.95	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.82	
		<i>For Panels &lt;16" Wide, Add</i>	1.95	
		<i>For Up To 1,500, Add</i>	3.49	
		<i>For &gt;1,500 To 5,000, Add</i>	2.09	
		<i>For &gt;5,000 To 10,000, Add</i>	0.35	
07 41 13 00-0037	SF	Structural 22 Gauge Galvanized Steel Standing Seam Concealed Fastener Roofing .....	14.94	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.84	
		<i>For Panels &lt;16" Wide, Add</i>	2.00	
		<i>For Up To 1,500, Add</i>	3.74	
		<i>For &gt;1,500 To 5,000, Add</i>	2.24	
		<i>For &gt;5,000 To 10,000, Add</i>	0.37	

**07 41 13 00-0038 Accessories For Galvanized Steel Standing Seam Roofing (07 41 13 00-0030)**

07 41 13 00-0039	LF	Ridge Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing .....	30.99	3.32
		<i>For Steep Roof, Over 6 To 12, Add</i>	4.02	
		<i>For 140 MPH Wind Load, Add</i>	1.69	
07 41 13 00-0040	LF	9" To 12" Girth, Eave Or Gable Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing .....	19.36	2.30
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.68	
		<i>For 140 MPH Wind Load, Add</i>	1.10	
07 41 13 00-0041	LF	Valley Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing .....	37.89	3.32
		<i>For Steep Roof, Over 6 To 12, Add</i>	4.02	
		<i>For 140 MPH Wind Load, Add</i>	1.83	
07 41 13 00-0042	LF	Hip Flashing For Galvanized Steel Standing Seam Concealed Fastener Roofing .....	31.61	3.32
		<i>For Steep Roof, Over 6 To 12, Add</i>	4.02	
		<i>For 140 MPH Wind Load, Add</i>	1.71	

**07 41 13 00-0043 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0029)**

Note: Factory paint finish is Kynar 500® or Hylar 5000® or equal polyvinylidene fluoride (PVDF) finish.

**07 41 13 00-0044 Aluminum Standing Seam Concealed Fastener Roofing (07 41 13 00-0043)**

07 41 13 00-0045	SF	Architectural 0.032" Aluminum Standing Seam Concealed Fastener Roofing .....	14.52	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.83	
		<i>For Panels &lt;16" Wide, Add</i>	1.98	
		<i>For Up To 1,500, Add</i>	3.63	
		<i>For &gt;1,500 To 5,000, Add</i>	2.18	
		<i>For &gt;5,000 To 10,000, Add</i>	0.36	
07 41 13 00-0046	SF	Architectural 0.040" Aluminum Standing Seam Concealed Fastener Roofing .....	15.10	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.84	
		<i>For Panels &lt;16" Wide, Add</i>	2.01	
		<i>For Up To 1,500, Add</i>	3.78	
		<i>For &gt;1,500 To 5,000, Add</i>	2.27	
		<i>For &gt;5,000 To 10,000, Add</i>	0.38	
07 41 13 00-0047	SF	Architectural/Structural Or Structural 0.032" Aluminum Standing Seam Concealed Fastener Roofing .....	14.19	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.82	
		<i>For Panels &lt;16" Wide, Add</i>	1.96	
		<i>For Up To 1,500, Add</i>	3.55	
		<i>For &gt;1,500 To 5,000, Add</i>	2.13	
		<i>For &gt;5,000 To 10,000, Add</i>	0.35	
07 41 13 00-0048	SF	Architectural/Structural Or Structural 0.040" Aluminum Standing Seam Concealed Fastener Roofing .....	15.26	3.38
		<i>For Steep Roof, Over 6 To 12, Add</i>	2.03	
		<i>For 140 MPH Wind Load, Add</i>	0.85	
		<i>For Panels &lt;16" Wide, Add</i>	2.01	
		<i>For Up To 1,500, Add</i>	3.82	
		<i>For &gt;1,500 To 5,000, Add</i>	2.29	
		<i>For &gt;5,000 To 10,000, Add</i>	0.38	

**07 41 13 00-0049 Accessories For Aluminum Standing Seam Roofing (07 41 13 00-0043)**

07 41 13 00-0050	LF	Ridge Flashing For Aluminum Standing Seam Concealed Fastener Roofing .....	35.22	3.32
		<i>For Steep Roof, Over 6 To 12, Add</i>	4.02	
		<i>For 140 MPH Wind Load, Add</i>	1.78	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 41 13 00-0051	LF		9" To 12" Girth, Eave Or Gable Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	21.80 2.68 1.15	2.30
07 41 13 00-0052	LF		Valley Flashing For Aluminum Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	43.85 4.02 1.95	3.32
07 41 13 00-0053	LF		Hip Flashing For Aluminum Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	36.01 4.02 1.79	3.32
<b>07 41 13 00-0054</b>			<b>Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0029)		
<b>07 41 13 00-0055</b>			<b>Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0054)		
07 41 13 00-0056	SF		Architectural 24 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	26.90 3.05 1.35 3.22 6.73 4.04 0.67	4.06
07 41 13 00-0057	SF		Architectural 22 Gauge T304 Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	30.47 3.05 1.42 3.40 7.62 4.57 0.76	4.06
07 41 13 00-0058	SF		Architectural 24 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	34.69 3.05 1.51 3.61 8.67 5.20 0.87	4.06
07 41 13 00-0059	SF		Architectural 22 Gauge T316 Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i> <i>For Panels &lt;16" Wide, Add</i> <i>For Up To 1,500, Add</i> <i>For &gt;1,500 To 5,000, Add</i> <i>For &gt;5,000 To 10,000, Add</i>	40.11 3.05 1.61 3.88 10.03 6.02 1.00	4.06
<b>07 41 13 00-0060</b>			<b>Accessories For Stainless Steel Standing Seam Concealed Fastener Roofing</b> (07 41 13 00-0054)		
07 41 13 00-0061	LF		Ridge Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	80.23 4.44 2.79	3.71
07 41 13 00-0062	LF		9" To 12" Girth, Eave Or Gable Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing ..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	43.57 2.95 1.66	2.42
07 41 13 00-0063	LF		Valley Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	110.06 4.40 3.38	3.71
07 41 13 00-0064	LF		Hip Flashing For Stainless Steel Standing Seam Concealed Fastener Roofing..... <i>For Steep Roof, Over 6 To 12, Add</i> <i>For 140 MPH Wind Load, Add</i>	82.60 4.44 2.84	3.71
<b>07 41 13 00-0065</b>			<b>Metal Roof Surfacing</b> (07 41 13)		
07 41 13 00-0066	SF		Acrylic, Metal Roof Primer, One Coat..... <i>For Steep Roof, Over 7 To 12, Add</i>	1.00 0.23	
07 41 13 00-0067	SF		Acrylic Elastomeric, Surface Or Base Coating For Metal Roofing, One Coat..... Note: 55% solids by volume. <i>For Steep Roof, Over 7 To 12, Add</i>	1.25 0.23	
<b>07 41 16</b>			<b>Insulated Metal Roof Panels</b> (07 41)		
<b>07 41 16 00-0001</b>			<b>Standing Seam Polyurethane Insulated Metal Roof Panels</b> (07 41 16)		
<b>07 41 16 00-0002</b>			<b>Standing Seam Polyurethane Insulated Metal Roof Panel</b> (07 41 16 00-0001) Note: Exterior face gauge shall be 24 gauge, galvanized steel; Interior liner shall be 24 gauge. Galvalume® AZ-55 coating designation with texture; Non-CFC polyurethane foam core.		
07 41 16 00-0003	SF		2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	31.46	6.68
07 41 16 00-0004	SF		2-1/2" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	34.54	7.21
07 41 16 00-0005	SF		3" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	36.83	7.83
07 41 16 00-0006	SF		4" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	38.61	8.28
07 41 16 00-0007	SF		5" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	40.49	8.72
07 41 16 00-0008	SF		6" Polyurethane Foam, 24 Gauge Galvanized Steel (Each Side), Insulated Standing Seam Metal Roof Panels.....	42.10	9.17
<b>07 41 16 00-0009</b>			<b>Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels</b> (07 41 16 00-0001) Note: Includes fasteners, clips, sealants.		
07 41 16 00-0010	LF		Ridge, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels.....	39.90	3.85

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 41 Roof Panels**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 41 16 00-0011	LF	Hip, (24 Gauge White, Sandstone Or Black) Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels.....	39.90	3.85
07 41 16 00-0012	LF	Low End Lap Condition, 22 Gauge, 24 Gauge, 26 Gauge, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels .....	26.65	6.88
07 41 16 00-0013	LF	Low Eve, Roof Trim For Standing Seam Polyurethane Insulated Metal Roof Panels.....	14.60	2.39

**07 41 33 Plastic Roof Panels (07 41)**

07 41 33 00-0001		Polyvinyl Chloride (PVC) Roofing Panels (07 41 33)		
07 41 33 00-0002		Polyvinyl Chloride (PVC) Roofing Panels (07 41 33 00-0001)		
07 41 33 00-0003	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 8" Wide.....	8.08	2.30
07 41 33 00-0004	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, 10" Wide.....	7.87	2.07
07 41 33 00-0005	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 8" Wide.....	8.47	2.30
07 41 33 00-0006	SF	Solid Polyvinyl Chloride (PVC) Roofing Panels, Double 10" Wide.....	8.20	2.07

**07 41 33 00-0007 Polyvinyl Chloride (PVC) Roofing Accessories (07 41 33 00-0001)**

07 41 33 00-0008	LF	1" "J" Channel, Starter Strip Trim.....	4.64	1.73
07 41 33 00-0009	LF	3-1/2" "J" Channel, Starter Strip Trim .....	7.60	1.73
07 41 33 00-0010	LF	Outside Corner Post, 7/8" Pocket.....	8.46	1.73
07 41 33 00-0011	LF	Inside Corner Post, 7/8" Pocket.....	6.16	1.73

**07 41 33 00-0012 Fiberglass Roofing Panel (07 41 33)**

07 41 33 00-0013		Corrugated Panels (07 41 33 00-0012)		
07 41 33 00-0014	SF	8 Ounce Corrugated Fiberglass Panel.....	7.28	1.84
07 41 33 00-0015	SF	12 Ounce Corrugated Fiberglass Panel.....	8.44	1.84

**07 42 Wall Panels (07 40)****07 42 13 Metal Wall Panels (07 42)****07 42 13 19 Insulated Metal Wall Panels (07 42 13)**

07 42 13 19-0001		Insulated Panels For Sash/Window Replacement (07 42 13 19)		
Note: Porcelain or polymer finish on aluminum panel with polystyrene core.				
07 42 13 19-0002	SF	1" Insulated Panel For Sash Or Window Replacement.....	33.73	5.46
			<i>For Non-Insulated Panels, Deduct</i>	-5.68
07 42 13 19-0003	SF	1-1/4" Insulated Panel For Sash Or Window Replacement .....	36.48	6.15
			<i>For Non-Insulated Panels, Deduct</i>	-6.07
07 42 13 19-0004	SF	1-3/4" Insulated Panel For Sash Or Window Replacement .....	38.97	6.83
			<i>For Non-Insulated Panels, Deduct</i>	-6.46
07 42 13 19-0005	SF	2-1/4" Insulated Panel For Sash Or Window Replacement .....	41.63	7.11
			<i>For Non-Insulated Panels, Deduct</i>	-6.85
07 42 13 19-0006	SF	3-1/4" Insulated Panel For Sash Or Window Replacement .....	47.37	7.79
			<i>For Non-Insulated Panels, Deduct</i>	-7.96
07 42 13 19-0007	SF	4-1/4" Insulated Panel For Sash Or Window Replacement .....	55.29	8.61
			<i>For Non-Insulated Panels, Deduct</i>	-9.55

**07 42 63 Fabricated Wall Panel Assemblies (07 42)**

07 42 63 00-0001		Insulated Freezer And Chiller Panels (07 42 63)		
Note: Excludes suspension system for ceiling support.				
07 42 63 00-0002		Polyurethane Sandwich Panel (07 42 63 00-0001)		
Note: With 22 gauge galvanized sheet metal face excludes painting.				
07 42 63 00-0003	SF	2" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	30.84	2.37
07 42 63 00-0004	SF	3" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	32.71	2.37
07 42 63 00-0005	SF	4" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	39.06	2.37
07 42 63 00-0006	SF	5" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	42.32	2.50
07 42 63 00-0007	SF	6" 22 Gauge Freezer Panel Sheet Metal Both Faces .....	44.99	2.50
07 42 63 00-0008	SF	2" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	27.68	1.95
07 42 63 00-0009	SF	3" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	30.18	1.95
07 42 63 00-0010	SF	4" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	36.50	2.09
07 42 63 00-0011	SF	5" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	35.36	2.09
07 42 63 00-0012	SF	6" 22 Gauge Freezer Panel Sheet Metal One Face (Liner) .....	41.70	2.09

**07 42 63 00-0013 Polyurethane Sandwich Panel (07 42 63 00-0001)**

Note: With .040 aluminum baked enamel finish.

07 42 63 00-0014	SF	2" Freezer Panel 0.040" Aluminum Finish Both Faces .....	25.36	2.37
07 42 63 00-0015	SF	3" Freezer Panel 0.040" Aluminum Finish Both Faces .....	27.24	2.37
07 42 63 00-0016	SF	4" Freezer Panel 0.040" Aluminum Finish Both Faces .....	32.07	2.37
07 42 63 00-0017	SF	5" Freezer Panel 0.040" Aluminum Finish Both Faces .....	35.03	2.50
07 42 63 00-0018	SF	6" Freezer Panel 0.040" Aluminum Finish Both Faces .....	37.08	2.50
07 42 63 00-0019	SF	2" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	22.81	1.95
07 42 63 00-0020	SF	3" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	24.70	1.95
07 42 63 00-0021	SF	4" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	26.67	2.09
07 42 63 00-0022	SF	5" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	31.48	2.09
07 42 63 00-0023	SF	6" Freezer Panel 0.040" Aluminum Finish One Face (Liner Panel) .....	34.41	2.09

**07 42 93 Soffit Panels (07 42)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 42 93 00-0001</b>			<b>Aluminum Soffit And Fascia (07 42 93)</b> Note: Excludes J-channel.		
07 42 93 00-0002	LF		6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit..... <i>For 0.015" Thick, Deduct</i>	5.37 -0.11	1.91
07 42 93 00-0003	LF		10" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit..... <i>For 0.015" Thick, Deduct</i>	6.59 -0.17	2.01
07 42 93 00-0004	LF		1' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	7.20 -0.21	2.06
07 42 93 00-0005	LF		1'-6" Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit..... <i>For 0.015" Thick, Deduct</i>	8.96 -0.32	2.17
07 42 93 00-0006	LF		2' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	10.93 -0.45	2.38
07 42 93 00-0007	LF		3' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	14.48 -0.66	2.62
07 42 93 00-0008	LF		4' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	18.10 -0.90	2.89
07 42 93 00-0009	LF		5' Overhang, 0.019" Thick, Solid Or Vented Aluminum Soffit ..... <i>For 0.015" Thick, Deduct</i>	21.76 -1.11	3.18
07 42 93 00-0010	LF		4" Exposure, 0.024" Thick, Aluminum Fascia .....	6.26	1.87
07 42 93 00-0011	LF		6" Exposure, 0.024" Thick, Aluminum Fascia .....	6.83	1.91
07 42 93 00-0012	LF		8" Exposure, 0.024" Thick, Aluminum Fascia .....	7.98	1.96
07 42 93 00-0013	LF		10" Exposure, 0.024" Thick, Aluminum Fascia .....	9.20	2.01

**07 46 Siding (07 40)**

**07 46 16 Aluminum Siding (07 46)**  
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

<b>07 46 16 00-0001</b>			<b>Aluminum Coil Stock Cladding (07 46 16)</b> Note: Per SF of board, includes overlappage.		
07 46 16 00-0002	SF		0.016" Thick, Aluminum Clad Siding.....	13.09	4.27
07 46 16 00-0003	SF		0.019" Thick, Aluminum Clad Siding.....	13.27	4.27
07 46 16 00-0004	SF		0.024" Thick, Aluminum Clad Siding.....	13.56	4.27

<b>07 46 16 00-0005</b>			<b>Aluminum Siding Panels (07 46 16)</b>		
<b>07 46 16 00-0006</b>			<b>Corrugated Aluminum Siding Panels (07 46 16 00-0005)</b> Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0007	SF		0.019", Painted Finish, Corrugated Aluminum Siding Panel.....	9.72	2.55
07 46 16 00-0008	SF		0.021", Painted Finish, Corrugated Aluminum Siding Panel.....	10.12	2.55
07 46 16 00-0009	SF		0.024", Painted Finish, Corrugated Aluminum Siding Panel.....	11.41	2.55
07 46 16 00-0010	SF		0.032", Painted Finish, Corrugated Aluminum Siding Panel.....	13.92	2.55

<b>07 46 16 00-0011</b>			<b>V- Beam Aluminum Siding Panels (07 46 16 00-0005)</b> Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0012	SF		0.032", Painted Finish, V- Beam Aluminum Siding Panel.....	13.81	2.55
07 46 16 00-0013	SF		0.040", Painted Finish, V- Beam Aluminum Siding Panel.....	15.50	2.55
07 46 16 00-0014	SF		0.050", Painted Finish, V- Beam Aluminum Siding Panel.....	19.49	2.55

<b>07 46 16 00-0015</b>			<b>Box Ribbed Aluminum Siding Panels (07 46 16 00-0005)</b> Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 16 00-0016	SF		0.032", Painted Finish, Box Ribbed Aluminum Siding Panel .....	14.56	2.55
07 46 16 00-0017	SF		0.040", Painted Finish, Box Ribbed Aluminum Siding Panel .....	16.18	2.55
07 46 16 00-0018	SF		0.050", Painted Finish, Box Ribbed Aluminum Siding Panel .....	17.18	2.55

<b>07 46 16 00-0019</b>			<b>Aluminum Siding Accessories (07 46 16)</b>		
07 46 16 00-0020	LF		3/8" Pocket, Aluminum J-Channel .....	4.20	1.79
07 46 16 00-0021	LF		1/2" Pocket, Aluminum J-Channel .....	4.20	1.79
07 46 16 00-0022	LF		3/4" Pocket, Aluminum J-Channel .....	4.90	1.79
07 46 16 00-0023	LF		3/8" Pocket, Aluminum F-Channel.....	4.49	1.79
07 46 16 00-0024	LF		1/2" Pocket, Aluminum F-Channel.....	4.49	1.79

**07 46 19 Steel Siding (07 46)**  
Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.

<b>07 46 19 00-0001</b>			<b>Steel Siding Panels (07 46 19)</b>		
<b>07 46 19 00-0002</b>			<b>Corrugated Steel Siding Panels (07 46 19 00-0001)</b> Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0003	SF		20 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	14.30	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	2.30	
07 46 19 00-0004	SF		22 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	13.11	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	2.00	
07 46 19 00-0005	SF		24 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	12.81	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.93	
07 46 19 00-0006	SF		26 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	9.31	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.05	
07 46 19 00-0007	SF		28 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	9.06	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.99	
07 46 19 00-0008	SF		30 Gauge, Painted Finish, Corrugated Steel Siding Panel .....	8.90	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	0.95	

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 46 Siding**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 46 19 00-0009			<b>Box Ribbed Steel Siding Panels</b> (07 46 19 00-0001) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0010	SF		20 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	13.41	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	2.08	
07 46 19 00-0011	SF		22 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	12.87	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.94	
07 46 19 00-0012	SF		24 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	12.52	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.85	
07 46 19 00-0013	SF		26 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	11.92	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.70	
07 46 19 00-0014	SF		28 Gauge, Painted Finish, Box Ribbed Steel Siding Panel.....	10.65	2.55
			<i>For Galvanized Instead Of Painted Steel, Add</i>	1.39	
07 46 19 00-0015			<b>Clapboard Steel Siding Panels</b> (07 46 19 00-0001) Note: Includes factory applied polyvinylidene fluoride (PVDF) paint finish.		
07 46 19 00-0016	SF		29 Gauge, Painted Finish, Clapboard Steel Siding Panel.....	9.68	1.27
07 46 23			<b>Wood Siding</b> (07 46)		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 23 00-0001			<b>Wood Lap Siding</b> (07 46 23)		
07 46 23 00-0002	LF		8" Wide Rough Sawn Cedar Lap Siding .....	4.97	1.98
07 46 23 00-0003	LF		10" Wide Rough Sawn Cedar Lap Siding .....	5.52	2.11
07 46 23 00-0004	LF		12" Wide Rough Sawn Cedar Lap Siding .....	6.09	2.24
07 46 23 00-0005	LF		6" To 8" Wide Southern Yellow Pine Lap Siding, D Grade .....	5.27	1.98
07 46 23 00-0006	LF		6" To 8" Wide Spruce Lap Siding, #2 Or Better .....	5.79	1.98
07 46 23 00-0007	LF		6" To 8" Wide Western Red Cedar, B Grade Lap Siding .....	6.90	1.98
07 46 23 00-0008	LF		6" To 8" Wide Western Red Cedar, A Grade Lap Siding .....	7.33	1.98
07 46 23 00-0009	LF		6" To 8" Wide Clear Heart Redwood Lap Siding.....	6.71	1.98
07 46 23 00-0010	LF		1" x 8" Cedar Round Or Flat Front Siding, Log Cabin.....	4.90	2.11
07 46 23 00-0011	LF		1" x 8" Cedar Beveled Siding, Channel, Rustic.....	4.90	2.11
07 46 23 00-0012			<b>Tongue And Groove Siding</b> (07 46 23)		
07 46 23 00-0013	SF		1" x 6" Tongue And Groove Southern Yellow Pine Siding .....	4.96	1.98
07 46 23 00-0014	SF		1" x 8" Tongue And Groove Southern Yellow Pine Siding .....	5.42	1.98
07 46 23 00-0015	SF		1" x 6" 105 Southern Yellow Pine Siding .....	5.07	1.98
07 46 23 00-0016	SF		1" x 8" 105 Southern Yellow Pine Siding .....	5.69	1.98
07 46 29			<b>Plywood Siding</b> (07 46)		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 29 00-0001			<b>T-111 Siding</b> (07 46 29)		
07 46 29 00-0002	SF		5/8" T-111, Fine Grade Siding, Paint Ready Applied To Blackboard / Stud.....	3.42	0.97
			<i>For Pressure Treated, Add</i>	0.18	
07 46 33			<b>Plastic Siding</b> (07 46)		
			Note: Includes fasteners, all necessary furring strips, trim for corners, windows and doors.		
07 46 33 00-0001			<b>Vinyl Siding</b> (07 46 33)		
			Note: Includes standard manufacturer's colors.		
07 46 33 00-0002			<b>Vinyl Siding Panels</b> (07 46 33 00-0001)		
			Note: Excludes J-channels, starter strips and trim.		
07 46 33 00-0003			<b>Horizontal Vinyl Siding Panels</b> (07 46 33 00-0002)		
			Note: Includes single, double or triple profiles. Includes traditional clapboard or dutch lap styles.		
07 46 33 00-0004	SF		7" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	6.23	2.34
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.67	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0005	SF		8" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.96	2.19
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.67	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0006	SF		9" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.76	2.09
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.67	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0007	SF		10" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.54	1.99
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.67	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	
07 46 33 00-0008	SF		12" Exposure, 0.044" Thick, Horizontal Vinyl Siding Panel.....	5.27	1.86
			<i>For 0.040" Thick, Deduct</i>	-0.21	
			<i>For 0.042" Thick, Deduct</i>	-0.08	
			<i>For 0.046" Thick, Add</i>	0.67	
			<i>For Manufacturer's Custom Colors, Add</i>	0.08	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 46 33 00-0009 Vertical Vinyl Siding Panels (07 46 33 00-0002)</b>					
07 46 33 00-0010	SF		7" Exposure, 0.048" Thick, Board And Batten, Vinyl Siding Panel..... <i>For Manufacturer's Custom Colors, Add</i>	7.44 0.14	2.34
<b>07 46 33 00-0011 Vinyl Siding Accessories (07 46 33 00-0001)</b>					
07 46 33 00-0012	LF		3/4" Pocket, Outside Corner Post For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	7.55 0.20	1.79
07 46 33 00-0013	LF		1-1/8" Pocket, Outside Corner Post For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	13.62 0.50	1.79
07 46 33 00-0014	LF		3/4" Pocket, Inside Corner Post For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	6.03 0.12	1.79
07 46 33 00-0015	LF		1-1/8" Pocket, Inside Corner Post For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	7.30 0.19	1.79
07 46 33 00-0016	LF		3/8" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	4.51 0.06	1.79
07 46 33 00-0017	LF		1/2" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	4.22 0.05	1.79
07 46 33 00-0018	LF		5/8" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	4.16 0.04	1.79
07 46 33 00-0019	LF		3/4" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	4.35 0.05	1.79
07 46 33 00-0020	LF		1" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	5.14 0.08	1.79
07 46 33 00-0021	LF		1-1/4" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	5.59 0.10	1.79
07 46 33 00-0022	LF		2-1/2" Pocket, J-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	6.27 0.09	1.79
07 46 33 00-0023	LF		1/2" Pocket, F-Channel For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	4.25 0.08	1.79
07 46 33 00-0024	LF		3/4" Pocket, 3-1/2" Lineal Trim For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	9.63 0.23	2.48
07 46 33 00-0025	LF		3/4" Pocket, 5" Lineal Trim For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	10.05 0.26	2.48
07 46 33 00-0026	LF		1-1/8" Pocket, 3-1/2" Lineal Trim For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	11.00 0.30	2.48
07 46 33 00-0027	LF		3/8" Pocket, 1-7/8" H-Mold For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	5.78 0.11	1.79
07 46 33 00-0028	LF		Vinyl Starter Strip For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	7.12 0.18	1.79
07 46 33 00-0029	LF		Undersill Trim For Vinyl Siding..... <i>For Manufacturer's Custom Colors, Add</i>	6.15 0.13	1.79
<b>07 46 33 00-0030 Vinyl Soffit And Fascia (07 46 33 00-0001)</b>					
Note: Excludes J-channel.					
07 46 33 00-0031	LF		6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	5.26 -0.64 -0.55 0.07	1.91
07 46 33 00-0032	LF		10" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	6.40 -1.08 -0.90 0.12	2.01
07 46 33 00-0033	LF		1" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	6.98 -1.30 -1.10 0.14	2.06
07 46 33 00-0034	LF		1'-6" Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	8.62 -1.97 -1.65 0.21	2.17
07 46 33 00-0035	LF		2' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	10.48 -2.63 -2.19 0.29	2.38
07 46 33 00-0036	LF		3' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	13.82 -3.93 -3.29 0.43	2.62
07 46 33 00-0037	LF		4' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	17.21 -5.26 -4.41 0.57	2.89
07 46 33 00-0038	LF		5' Overhang, 0.044" Thick, Solid Or Vented Vinyl Soffit..... <i>For 0.038" Thick, Deduct</i> <i>For 0.040" Thick, Deduct</i> <i>For Manufacturer's Custom Colors, Add</i>	20.65 -6.56 -5.50 0.72	3.18
07 46 33 00-0039	LF		4" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	5.46 0.09	1.87
07 46 33 00-0040	LF		6" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	6.05 0.11	1.91
07 46 33 00-0041	LF		8" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	6.00 0.10	1.96
07 46 33 00-0042	LF		10" Exposure, Vinyl Fascia..... <i>For Manufacturer's Custom Colors, Add</i>	6.82 0.14	2.01

**07 Thermal And Moisture Protection****07 40 Roofing and Siding Panels****07 46 Siding**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 46 33 00-0043		Fiberglass Siding (07 46 33)		
07 46 33 00-0044		Corrugated Panels (07 46 33 00-0043)		
07 46 33 00-0045	SF	6 Ounce Corrugated Fiberglass Panels .....	8.05	2.75
07 46 33 00-0046	SF	8 Ounce Corrugated Fiberglass Panels .....	8.53	2.48
07 46 33 00-0047	SF	12 Ounce Corrugated Fiberglass Panels .....	9.42	2.48
07 46 33 00-0048		Flat Panels (07 46 33 00-0043)		
07 46 33 00-0049	SF	6 Ounce Flat Fiberglass Panels .....	7.73	2.48
07 46 33 00-0050	SF	8 Ounce Flat Fiberglass Panels .....	8.53	2.48
<b>07 46 46</b>		<b>Fiber-Cement Siding (07 46)</b>		
		Note: Smooth or patterns. Includes sealer and primer.		
07 46 46 00-0001		5/16" Thick, Fiber Cement Lap Siding (07 46 46)		
07 46 46 00-0002	SF	5-1/4" Board with 4" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	7.31	2.89
07 46 46 00-0003	SF	6-1/4" Board with 5" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	6.96	2.75
07 46 46 00-0004	SF	7-1/4" Board with 6" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	6.80	2.68
07 46 46 00-0005	SF	8-1/4" Board with 7" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	6.63	2.61
07 46 46 00-0006	SF	9-1/2" Board with 8" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	6.33	2.48
07 46 46 00-0007	SF	12" Board with 10-3/4" Exposure, 5/16" Thick, Fiber Cement Lap Siding .....	6.02	2.34
07 46 46 00-0008	LF	Starter Strip, Fiber Cement Lap Siding .....	1.59	0.69
07 46 46 00-0009		Fiber Cement Shingle Siding (07 46 46)		
07 46 46 00-0010	SF	Fiber Cement Shingle Siding .....	9.80	2.54
07 46 46 00-0011		Fiber Cement Vertical Panel Siding (07 46 46)		
07 46 46 00-0012	SF	Fiber Cement Vertical Panel Siding .....	5.33	2.06
07 46 46 00-0013		Fiber Cement Trim Boards (07 46 46)		
07 46 46 00-0014		7/16" Thick, Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0015	LF	4" Wide, 7/16" Thick, Fiber Cement Trim Board .....	3.50	1.37
07 46 46 00-0016	LF	6" Wide, 7/16" Thick, Fiber Cement Trim Board .....	4.28	1.51
07 46 46 00-0017	LF	8" Wide, 7/16" Thick, Fiber Cement Trim Board .....	5.02	1.65
07 46 46 00-0018	LF	12" Wide, 7/16" Thick, Fiber Cement Trim Board .....	6.41	1.92
07 46 46 00-0019		3/4" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0020	LF	4" Wide, 3/4" Thick, Fiber Cement Trim Board .....	3.62	1.37
07 46 46 00-0021	LF	6" Wide, 3/4" Thick, Fiber Cement Trim Board .....	4.47	1.51
07 46 46 00-0022	LF	8" Wide, 3/4" Thick, Fiber Cement Trim Board .....	5.33	1.65
07 46 46 00-0023	LF	12" Wide, 3/4" Thick, Fiber Cement Trim Board .....	5.72	1.92
07 46 46 00-0024		1" Thick Fiber Cement Trim Boards (07 46 46 00-0013)		
07 46 46 00-0025	LF	4" Wide, 1" Thick, Fiber Cement Trim Board .....	3.78	1.37
07 46 46 00-0026	LF	6" Wide, 1" Thick, Fiber Cement Trim Board .....	4.75	1.51
07 46 46 00-0027	LF	8" Wide, 1" Thick, Fiber Cement Trim Board .....	5.73	1.65
07 46 46 00-0028	LF	12" Wide, 1" Thick, Fiber Cement Trim Board .....	7.44	1.92
07 46 46 00-0029		Fiber Cement Fascia Board (07 46 46)		
07 46 46 00-0030	LF	5/4" x 3-1/2" Fiber Cement Fascia Board .....	6.75	2.73
07 46 46 00-0031	LF	5/4" x 5-1/2" Fiber Cement Fascia Board .....	8.14	3.03
07 46 46 00-0032	LF	5/4" x 7-1/4" Fiber Cement Fascia Board .....	8.79	3.03
07 46 46 00-0033	LF	5/4" x 11-1/4" Fiber Cement Fascia Board .....	11.25	3.57
07 46 46 00-0034		Fiber Cement Soffit Boards (07 46 46)		
07 46 46 00-0035	SF	1/4" Thick, Non-Vented Fiber Cement Soffit .....	8.04	1.96
07 46 46 00-0036	SF	1/4" Thick, Vented Fiber Cement Soffit .....	8.56	1.96
<b>07 46 63</b>		<b>Fabricated Panel Assemblies with Siding (07 46)</b>		
07 46 63 00-0001		Metal Siding Panels (07 46 63)		
07 46 63 00-0002		Insulated Metal Siding Panels (07 46 63 00-0001)		
07 46 63 00-0003		24 Gauge, Galvanized Steel Insulated Standing Seam Metal Siding Panels (07 46 63 00-0002)		
		Note: G-90 galvanized steel, 24 gauge exterior face and 24 gauge interior liner. Galvalume® AZ-55 coating designation with texture. Non-CFC polyurethane foam core.		
07 46 63 00-0004	SF	2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels .....	28.32	2.94
07 46 63 00-0005	SF	2-1/2" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels .....	32.13	3.32
07 46 63 00-0006	SF	3" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels .....	34.74	3.77
07 46 63 00-0007	SF	4" Polyurethane Foam, 24 Gauge (Each Side), Galvanized Steel Insulated Standing Seam Metal Siding Panels .....	38.39	4.98

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**07 50 Membrane Roofing** (07)

See CSI section 07 60 00 00-0000 for additional flashing, sheet metal and trim, 07 70 00 00-0000 for additional roof accessories.

**07 51 Built-Up Bituminous Roofing** (07 50)

**07 51 13 Built-Up Asphalt Roofing** (07 51)

07 51 13 00-0001	Built-Up Asphalt Roofing Components (07 51 13)	
07 51 13 00-0002	Built-Up Asphalt Membrane Roofing (07 51 13 00-0001)	
	Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing. See CSI section 07 51 13 00-0067 for built-up roofing demolition.	
07 51 13 00-0003	Cold Adhesive Applied, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)	
	Note: Includes applying cold adhesive and embedding the membrane.	
07 51 13 00-0004	Cold Adhesive Applied, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0003)	
07 51 13 00-0005	SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Cold Adhesive Applied .....	115.69
	For Up To 10, Add	30.53
	For >10 To 20, Add	17.11
	For >20 To 40, Add	9.48
	For >75 To 100, Deduct	-4.74
	For >100 To 200, Deduct	-10.40
	For >200, Deduct	-15.14
07 51 13 00-0006	SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Cold Adhesive Applied .....	320.93
	For Up To 10, Add	71.57
	For >10 To 20, Add	37.63
	For >20 To 40, Add	19.74
	For >75 To 100, Deduct	-9.87
	For >100 To 200, Deduct	-20.66
	For >200, Deduct	-30.53
07 51 13 00-0007	Cold Adhesive Applied, Built-Up Asphalt Roofing Flashing (07 51 13 00-0003)	
07 51 13 00-0008	SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Cold Adhesive Applied.....	7.66
07 51 13 00-0009	Hot-Mopped, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002)	
	Note: Includes mopping hot asphalt and embedding the membrane.	
07 51 13 00-0010	Hot-Mopped, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0009)	
07 51 13 00-0011	SQ Type IV, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped .....	85.01
	For Up To 10, Add	24.51
	For >10 To 20, Add	14.13
	For >20 To 40, Add	8.00
	For >75 To 100, Deduct	-4.00
	For >100 To 200, Deduct	-8.94
	For >200, Deduct	-12.94
07 51 13 00-0012	SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Hot-Mopped .....	90.86
	For Up To 10, Add	25.68
	For >10 To 20, Add	14.71
	For >20 To 40, Add	8.30
	For >75 To 100, Deduct	-4.15
	For >100 To 200, Deduct	-9.23
	For >200, Deduct	-13.38
07 51 13 00-0013	SQ Fine Mineral Surfaced, Asphalt Coated Fiberglass Base Sheet, Hot-Mopped.....	97.51
	For Up To 10, Add	27.01
	For >10 To 20, Add	15.38
	For >20 To 40, Add	8.63
	For >75 To 100, Deduct	-4.31
	For >100 To 200, Deduct	-9.57
	For >200, Deduct	-13.88
07 51 13 00-0014	SQ Asphalt Coated Fiberglass Venting Base Sheet, Hot-Mopped .....	171.26
	For Up To 10, Add	41.76
	For >10 To 20, Add	22.75
	For >20 To 40, Add	12.32
	For >75 To 100, Deduct	-6.16
	For >100 To 200, Deduct	-13.25
	For >200, Deduct	-19.41
07 51 13 00-0015	SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Hot-Mopped .....	290.26
	For Up To 10, Add	65.56
	For >10 To 20, Add	34.65
	For >20 To 40, Add	18.27
	For >75 To 100, Deduct	-9.13
	For >100 To 200, Deduct	-19.20
	For >200, Deduct	-28.34
07 51 13 00-0016	SQ Granule Surfaced, Asphalt Coated Fiberglass Cap Sheet, Hot-Mopped .....	219.83
	For Up To 10, Add	52.18
	For >10 To 20, Add	28.15
	For >20 To 40, Add	15.10
	For >75 To 100, Deduct	-7.55
	For >100 To 200, Deduct	-16.13
	For >200, Deduct	-23.68
07 51 13 00-0017	Hot-Mopped, Built-Up Asphalt Roofing Flashing (07 51 13 00-0009)	
07 51 13 00-0018	SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Hot-Mopped .....	4.86

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 51 13 00-0019	Mechanically Fastened, Built-Up Asphalt Membrane Roofing (07 51 13 00-0002) Note: Includes fasteners.		
07 51 13 00-0020	Mechanically Fastened, Built-Up Asphalt Roofing Base, Ply And Cap Sheets (07 51 13 00-0019)		
07 51 13 00-0021	SQ Type VI, Asphalt Coated Fiberglass Ply Sheet, Mechanically Fastened.....	89.76	
	For Up To 10, Add	21.64	
	For >10 To 20, Add	11.74	
	For >20 To 40, Add	6.33	
	For >75 To 100, Deduct	-3.17	
	For >100 To 200, Deduct	-6.79	
	For >200, Deduct	-9.96	
07 51 13 00-0022	SQ Asphalt Coated Fiberglass Venting Base Sheet, Mechanically Fastened.....	170.16	
	For Up To 10, Add	37.72	
	For >10 To 20, Add	19.78	
	For >20 To 40, Add	10.35	
	For >75 To 100, Deduct	-5.18	
	For >100 To 200, Deduct	-10.81	
	For >200, Deduct	-15.99	
07 51 13 00-0023	SQ Asphalt Coated Polyester And Fiberglass Scrim, Base Or Ply Sheet, Mechanically Fastened.....	289.15	
	For Up To 10, Add	61.52	
	For >10 To 20, Add	31.68	
	For >20 To 40, Add	16.30	
	For >75 To 100, Deduct	-8.15	
	For >100 To 200, Deduct	-16.76	
	For >200, Deduct	-24.92	
07 51 13 00-0024	Mechanically Fastened, Built-Up Asphalt Roofing Flashing (07 51 13 00-0019)		
07 51 13 00-0025	SF Asphalt Coated Polyester And Fiberglass Scrim, Flashing, Mechanically Fastened .....	5.90	
07 51 13 00-0026	Asphalt Saturated Organic Felt (07 51 13 00-0001)		
07 51 13 00-0027	Cold Adhesive Applied, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes applying cold adhesive and embedding the felt.		
07 51 13 00-0028	SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied .....	112.03	
	For Up To 10, Add	29.79	
	For >10 To 20, Add	16.74	
	For >20 To 40, Add	9.30	
	For >75 To 100, Deduct	-4.65	
	For >100 To 200, Deduct	-10.22	
	For >200, Deduct	-14.87	
07 51 13 00-0029	SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Cold Adhesive Applied .....	127.12	
	For Up To 10, Add	32.81	
	For >10 To 20, Add	18.25	
	For >20 To 40, Add	10.05	
	For >75 To 100, Deduct	-5.03	
	For >100 To 200, Deduct	-10.97	
	For >200, Deduct	-16.00	
07 51 13 00-0030	Hot-Mopped, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes mopping hot asphalt and embedding the felt.		
07 51 13 00-0031	SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	81.35	
	For Up To 10, Add	23.77	
	For >10 To 20, Add	13.76	
	For >20 To 40, Add	7.82	
	For >75 To 100, Deduct	-3.91	
	For >100 To 200, Deduct	-8.76	
	For >200, Deduct	-12.67	
07 51 13 00-0032	SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Hot-Mopped .....	96.44	
	For Up To 10, Add	26.79	
	For >10 To 20, Add	15.27	
	For >20 To 40, Add	8.57	
	For >75 To 100, Deduct	-4.29	
	For >100 To 200, Deduct	-9.51	
	For >200, Deduct	-13.80	
07 51 13 00-0033	Mechanically Fastened, Asphalt Saturated Organic Felt (07 51 13 00-0026) Note: Includes fasteners.		
07 51 13 00-0034	SQ 15 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	40.91	
	For Up To 10, Add	11.87	
	For >10 To 20, Add	6.86	
	For >20 To 40, Add	3.89	
	For >75 To 100, Deduct	-1.95	
	For >100 To 200, Deduct	-4.35	
	For >200, Deduct	-6.30	
07 51 13 00-0035	SQ 30 LB, Asphalt Saturated Organic Base Or Ply Sheet, Mechanically Fastened.....	56.00	
	For Up To 10, Add	14.89	
	For >10 To 20, Add	8.37	
	For >20 To 40, Add	4.65	
	For >75 To 100, Deduct	-2.32	
	For >100 To 200, Deduct	-5.11	
	For >200, Deduct	-7.43	
07 51 13 00-0036	Surfacing (07 51 13 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0037	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Hot Asphalt Flood Coat .....	180.51	
			<i>For Up To 10, Add</i>	54.57	
			<i>For &gt;10 To 20, Add</i>	31.90	
			<i>For &gt;20 To 40, Add</i>	18.26	
			<i>For &gt;75 To 100, Deduct</i>	-9.13	
			<i>For &gt;100 To 200, Deduct</i>	-20.57	
			<i>For &gt;200, Deduct</i>	-29.70	
07 51 13 00-0038	SQ		400 LB/SQ Gravel Roofing Ballast, Set In Cold Adhesive Flood Coat.....	269.32	
			<i>For Up To 10, Add</i>	72.33	
			<i>For &gt;10 To 20, Add</i>	40.78	
			<i>For &gt;20 To 40, Add</i>	22.70	
			<i>For &gt;75 To 100, Deduct</i>	-11.35	
			<i>For &gt;100 To 200, Deduct</i>	-25.01	
			<i>For &gt;200, Deduct</i>	-36.36	
07 51 13 00-0039	CY		Gravel Roofing Ballast, Spread To Desired Thickness .....	189.65	
			Note: Excludes hot asphalt or cold adhesive.		
07 51 13 00-0040	SQ		Protective Polypropylene Fabric Mat, Loose Laid.....	53.60	
			Note: Installed as a separator mat (under membrane), a crushed stone mat (above membrane) or as a stone separator mat in ballasted systems.		
			<i>For Up To 10, Add</i>	13.16	
			<i>For &gt;10 To 20, Add</i>	7.19	
			<i>For &gt;20 To 40, Add</i>	3.90	
			<i>For &gt;75 To 100, Deduct</i>	-1.95	
			<i>For &gt;100 To 200, Deduct</i>	-4.20	
			<i>For &gt;200, Deduct</i>	-6.15	
07 51 13 00-0041	SQ		Clay-Stabilized, Water-Based Asphalt Emulsion With Reinforcing Fibers, Weather-Proofing Surface Coating, Price Per Coat.....	131.37	
			Note: Protective coating for use over built-up, SBS and APP modified bitumen, metal, concrete and wood roofs.		
			<i>For Up To 10, Add</i>	30.71	
			<i>For &gt;10 To 20, Add</i>	16.46	
			<i>For &gt;20 To 40, Add</i>	8.79	
			<i>For &gt;75 To 100, Deduct</i>	-4.39	
			<i>For &gt;100 To 200, Deduct</i>	-9.34	
			<i>For &gt;200, Deduct</i>	-13.73	
07 51 13 00-0042	SQ		Fibrated Aluminum, Asphalt-Based, Reflective Weather-Proofing Surface Coating, Price Per Coat.....	116.68	
			Note: Protective and reflective coating for use over built-up, SBS and APP modified bitumen and metal roofs.		
			<i>For Up To 10, Add</i>	27.77	
			<i>For &gt;10 To 20, Add</i>	14.99	
			<i>For &gt;20 To 40, Add</i>	8.05	
			<i>For &gt;75 To 100, Deduct</i>	-4.03	
			<i>For &gt;100 To 200, Deduct</i>	-8.61	
			<i>For &gt;200, Deduct</i>	-12.63	
07 51 13 00-0043	SQ		Aluminum Flakes And Reinforcing Fibers Suspended In Emulsified Asphalt, Reflective Surface Coating, Price Per Coat.....	156.76	
			Note: Reflective coating for use over smooth-surfaced built-up roofs.		
			<i>For Up To 10, Add</i>	35.79	
			<i>For &gt;10 To 20, Add</i>	19.00	
			<i>For &gt;20 To 40, Add</i>	10.06	
			<i>For &gt;75 To 100, Deduct</i>	-5.03	
			<i>For &gt;100 To 200, Deduct</i>	-10.61	
			<i>For &gt;200, Deduct</i>	-15.64	
07 51 13 00-0044	SQ		100% Acrylic Elastomeric, Reflective Surface Coating, Price Per Coat.....	158.07	
			Note: Reflective coating for use over built-up, SBS and APP modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	36.05	
			<i>For &gt;10 To 20, Add</i>	19.13	
			<i>For &gt;20 To 40, Add</i>	10.12	
			<i>For &gt;75 To 100, Deduct</i>	-5.06	
			<i>For &gt;100 To 200, Deduct</i>	-10.67	
			<i>For &gt;200, Deduct</i>	-15.74	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	47.06	
07 51 13 00-0045	SQ		100% Acrylic Elastomeric, Bleed Blocking Base Coating, Price Per Coat.....	163.47	
			Note: Bleed blocking coating for use over built-up, Styrene-Butadiene-Styrene (SBS) and Atactic-Polypropylene (APP) modified bitumen roofs. For use on smooth or granule surfaced roofing systems.		
			<i>For Up To 10, Add</i>	37.13	
			<i>For &gt;10 To 20, Add</i>	19.67	
			<i>For &gt;20 To 40, Add</i>	10.39	
			<i>For &gt;75 To 100, Deduct</i>	-5.20	
			<i>For &gt;100 To 200, Deduct</i>	-10.94	
			<i>For &gt;200, Deduct</i>	-16.14	
			<i>For Installation Over Granule Surfaced Asphalt Roof Systems, Add</i>	48.85	
07 51 13 00-0046	SF		Ceramic Coated Roofing Granules, Hand Broadcast .....	2.58	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0047	SF		Energy Star, Ceramic Coated UltraWhite Roofing Granules, Hand Broadcast.....	4.61	
			Note: For application over liquid flashing/membranes, asphalt bleed-out areas, modified or BUR membrane repairs, etc.		
07 51 13 00-0048	SQ		Vapor Permeable Synthetic Underlayment (GAF Deck-Armor™).....	41.02	
07 51 13 00-0049			<b>Walkway Pads</b> (07 51 13 00-0001)		
			Note: Set in hot asphalt or cold adhesive.		
07 51 13 00-0050	LF		5/16" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	32.85	
07 51 13 00-0051	LF		1/2" Thick, 32" Wide, Skid Resistant, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Walkway Pad.....	39.17	
07 51 13 00-0052			<b>Cant And Tapered Edge Strips</b> (07 51 13 00-0001)		
07 51 13 00-0053	LF		2" x 2" Perlite Cant Strip .....	4.40	
07 51 13 00-0054	LF		3" x 3" Perlite Cant Strip .....	4.55	
07 51 13 00-0055	LF		4" x 4" Perlite Cant Strip .....	5.24	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 51 13 00-0056	LF	3" x 3" Pressure Treated Wood Cant Strip, Cut Diagonally .....	4.11	
07 51 13 00-0057	LF	4" x 4" Pressure Treated Wood Cant Strip, Cut Diagonally .....	4.23	
07 51 13 00-0058	LF	1/2" x 6" Perlite Tapered Edge Strip .....	4.91	
07 51 13 00-0059	LF	1/2" x 12" Perlite Tapered Edge Strip .....	5.70	
07 51 13 00-0060	LF	1" x 12" Perlite Tapered Edge Strip .....	5.92	
07 51 13 00-0061	LF	1" x 24" Perlite Tapered Edge Strip .....	6.74	
07 51 13 00-0062	LF	1-1/2" x 12" Perlite Tapered Edge Strip .....	6.66	
07 51 13 00-0063	LF	1-1/2" x 18" Perlite Tapered Edge Strip .....	8.16	
07 51 13 00-0064	LF	1-1/2" x 24" Perlite Tapered Edge Strip .....	9.24	
<b>07 51 13 00-0065</b>		<b>Asphalt Primer</b> (07 51 13 00-0001)		
07 51 13 00-0066	SQ	Asphalt Primer For Roofing Systems .....	38.02	
		Note: Foundation coating for hot-mopped and cold applied asphalt coatings, roof cements, and asphalt based roof adhesives. For use on weathered roofing, asphalt, concrete, gypsum, masonry, block, brick and metal surfaces.		
<b>07 51 13 00-0067</b>		<b>Demolish Built-Up Roofing</b> (07 51 13 00-0001)		
		Note: For removing any asphalt, coal tar or modified bitumen roofing system, including surfacing material down to the insulation or recovery board. Includes removal of any basic roof accessories and any sheet metals; except special existing conditions (mechanical equipment piping, electrical, ducts, etc.). See CSI section 01 74 19 00-0000 for chutes, dumpsters and hauling.		
07 51 13 00-0068	SQ	Demolish Gravel/Slag Surfaced, Built Up Roofing System .....	387.87	
		For Up To 10, Add	95.85	
		For >10 To 25, Add	57.51	
07 51 13 00-0069	SQ	Demolish Cap Sheet Surfaced, Built Up Roofing System .....	299.21	
		Note: Includes protective surfacing.		
		For Up To 10, Add	73.94	
		For >10 To 25, Add	44.37	
<b>07 51 13 00-0070</b>		<b>Roofing System Warranty</b> (07 51 13 00-0001)		
		Note: The warranty tasks below are only to be used in conjunction with the built-up bituminous and modified bituminous membrane roofing sections. The appropriate task is to be applied to the completed roofing membrane systems, not individual components. All warranties are no dollar limit to include material, equipment and labor.		
07 51 13 00-0071	EA	Up To 50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	647.85	
07 51 13 00-0072	SQ	>50 SQ, 10 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	9.26	
07 51 13 00-0073	EA	Up To 50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	740.40	
07 51 13 00-0074	SQ	>50 SQ, 15 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	14.81	
07 51 13 00-0075	EA	Up To 50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	1,018.05	
07 51 13 00-0076	SQ	>50 SQ, 20 Year, Built-Up Bituminous Or Modified Bituminous Membrane, Roofing System Warranty .....	20.36	
<b>07 51 13 00-0077</b>		<b>Built-Up Roofing Components (Tremco)</b> (07 51 13)		
		Note: All tasks presented as a single layer. Adhesives are priced separately.		
<b>07 51 13 00-0078</b>		<b>Cold Applied BUR Base Plies And Ply Sheets</b> (07 51 13 00-0077)		
07 51 13 00-0079	SQ	BURmastic Composite Ply, Cold Applied BUR Component .....	147.78	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced ply sheet. Type II. 55 mils. Also used as a hot or cold applied base sheet.		
07 51 13 00-0080	SQ	BURmastic Premium Composite Ply, Cold Applied BUR Component .....	179.46	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 57 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0081	SQ	BURmastic Supreme Composite Ply, Cold Applied BUR Component .....	206.67	
		Note: Asphalt coated polyester/glass/polyester trilaminate reinforced high strength ply sheet. Type II. 51 mil. Also used as a hot or cold applied base sheet.		
07 51 13 00-0082	SQ	28 LB BURmastic Glass Ply, Cold Applied BUR Component .....	46.81	
		Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0083	SQ	33 LB BURmastic Glass Ply, Cold Applied BUR Component .....	68.04	
		Note: Asphalt coated fiberglass base or ply sheet. Type II.		
07 51 13 00-0084	SQ	POWERply Modified HE Base Sheet, Hot Or Cold Applied BUR Component .....	283.79	
		Note: Smooth surfaced, high elongation polyester reinforced modified bitumen base sheet. Type I, Grade S. 94 mil.		
07 51 13 00-0085	SQ	POWERply Modified Heavy Duty Base Sheet, Hot Applied BUR Component .....	262.49	
		Note: A smooth surfaced, non-woven fiberglass/scrims fiberglass bilaminate reinforced modified bitumen membrane. 120 mil.		
<b>07 51 13 00-0086</b>		<b>Hot Or Cold Applied Modified Bitumen Cap Membrane</b> (07 51 13 00-0077)		
07 51 13 00-0087	SQ	POWERply Standard Smooth Cap Membrane, Hot Or Cold Applied BUR Component .....	159.88	
		Note: Fiberglass reinforced modified bitumen membrane. Type I, Grade S. 80 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0088	SQ	POWERply Premium Smooth Cap Membrane, Hot Or Cold Applied BUR Component .....	424.94	
		Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 90 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0089	SQ	POWERply Supreme Smooth Cap Membrane, Hot Or Cold Applied BUR Component .....	703.48	
		Note: Polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 98 mils. Also used as a hot or cold applied ply.		
07 51 13 00-0090	SQ	POWERply Standard Cap Membrane, Hot Or Cold Applied BUR Component .....	186.52	
		Note: Granule surface, fiberglass reinforced modified bitumen cap sheet membrane. 120 mils. Black or white surface.		
07 51 13 00-0091	SQ	POWERply Standard FR Cap Membrane, Hot Or Cold Applied BUR Component .....	286.90	
		Note: Fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane. Type I, Grade G. 120 mils.		
07 51 13 00-0092	SQ	POWERply Premium FR Cap Membrane, Hot Or Cold Applied BUR Component .....	697.56	
		Note: Fire rated, granule surfaced, polyester/glass bilaminate reinforced modified bitumen membrane. Type III, Grade S. 160 mils. Black or white surface.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0093	SQ		POWERply Standard FR GT24W Cap Membrane, Hot Or Cold Applied BUR Component..... Note: Highly reflective, fire rated, granule surfaced, fiberglass reinforced modified bitumen membrane meeting California's Title 24 requirements. Type I, Grade G. 120 mils.	507.14	
07 51 13 00-0094	SQ		POWERply HE FR Cap Sheet, Hot Applied BUR Component ..... Note: High elongation, fire rated, granule surfaced, polyester reinforced modified bitumen membrane. 160 mils.	503.96	
<b>07 51 13 00-0095</b>			<b>Self Adhesive Base Plies And Ply Sheets (07 51 13 00-0077)</b>		
07 51 13 00-0096	SQ		POWERply SA Base Sheet, Self Adhesive Roofing ..... Note: A self adhesive, fiberglass reinforced Styrene-Butadiene-Styrene (SBS) modified bitumen base sheet/underlayment. Type 1, Grade S. 80 mils.	292.44	
07 51 13 00-0097	SQ		POWERply SA FR Membrane, Self Adhesive Roofing..... Note: A fire rated, granule surfaced, polyester reinforced, self adhesive Styrene-Butadiene-Styrene (SBS) modified bitumen membrane. Type I, Grade G. 130 mils.	578.30	
<b>07 51 13 00-0098</b>			<b>Flashings (07 51 13 00-0077)</b>		
07 51 13 00-0099	LF		11-1/2" Hypalon Elastomeric Flashing ..... Note: 45 mils.	17.64	
07 51 13 00-0100	LF		19" Hypalon Elastomeric Flashing ..... Note: 45 mils.	28.54	
07 51 13 00-0101	LF		25" Hypalon Elastomeric Flashing ..... Note: 45 mils.	37.90	
07 51 13 00-0102	LF		38" Hypalon Elastomeric Flashing ..... Note: 45 mils.	55.65	
07 51 13 00-0103	LF		60-1/2" Hypalon Elastomeric Flashing ..... Note: 45 mils.	91.54	
07 51 13 00-0104	LF		12" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	13.87	
07 51 13 00-0105	LF		18" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	22.50	
07 51 13 00-0106	LF		24" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	29.98	
07 51 13 00-0107	LF		36" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	43.88	
07 51 13 00-0108	LF		60" TRA Elastomeric Flashing Membrane ..... Note: Polyester reinforced flashing membrane. 45 mils.	73.82	
07 51 13 00-0109	LF		4" BURmesh Fabric ..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.75	
07 51 13 00-0110	LF		6" BURmesh Fabric ..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	3.93	
07 51 13 00-0111	LF		12" BURmesh Fabric ..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	5.57	
07 51 13 00-0112	LF		36" BURmesh Fabric ..... Note: Glass membrane for reinforcement or repair of roof membranes and flashings.	14.43	
<b>07 51 13 00-0113</b>			<b>Cold Applied Adhesives (07 51 13 00-0077)</b>		
07 51 13 00-0114	SQ		BURmastic Inter-Ply Cold Applied Adhesive ..... Note: For insulation only.	179.97	
07 51 13 00-0115	SQ		BURmastic Flood Coat Cold Applied Adhesive ..... Note: For insulation only.	296.94	
07 51 13 00-0116	SQ		BURmastic SF Inter-Ply Cold Applied Adhesive..... Note: For insulation only.	229.74	
07 51 13 00-0117	SQ		BURmastic LV Inter-Ply Cold Applied Adhesive ..... Note: For insulation only.	179.97	
07 51 13 00-0118	SQ		POWERply Standard Inter-Ply Cold Applied Adhesive..... Note: For insulation only.	90.28	
07 51 13 00-0119	SQ		POWERply Standard Flood Coat Cold Applied Adhesive..... Note: For insulation only.	202.00	
07 51 13 00-0120	SQ		POWERply White On White Cold Applied Adhesive..... Note: For insulation only.	199.29	
07 51 13 00-0121	SQ		Rock-It Cold Applied Adhesive For Gravel Applications..... Note: For insulation only.	560.88	
07 51 13 00-0122	SQ		FAS-n-FREE Cold Applied Adhesive (Beads 12" OC)..... Note: For insulation only.	310.38	
07 51 13 00-0123	SQ		ECOLastic Cold Applied Adhesive..... Note: For insulation only.	347.44	
<b>07 51 13 00-0124</b>			<b>Hot Applied Adhesives (07 51 13 00-0077)</b>		
07 51 13 00-0125	SQ		Premium III Asphalt Inter-Ply Hot Applied Adhesive..... Note: For insulation only.	63.44	
07 51 13 00-0126	SQ		Premium III Asphalt Flood Coat Hot Applied Adhesive..... Note: For insulation only.	118.86	
<b>07 51 13 00-0127</b>			<b>Flashings Adhesives (07 51 13 00-0077)</b>		
07 51 13 00-0128	LF		Sheeting Bond Flashing Adhesive..... Note: Used to attach Hypalon sheeting to asphalt or coal-tar roofing membranes.	21.03	
07 51 13 00-0129	LF		Polyroof SF Flashing Mastic ..... Note: A solvent free, one part elastomeric roof mastic. Used to seal edges or as a repair mastic for split or cracked seals.	28.15	
07 51 13 00-0130	LF		ELS Flashing Mastic ..... Note: Used for repairing flashings and asphalt built-up roof defects.	16.75	
07 51 13 00-0131	LF		TremSEAL D General Purpose Sealant ..... Note: For insulation only.	6.34	
07 51 13 00-0132	LF		TremSEAL HP High Performance Sealant ..... Note: For insulation only.	6.52	
07 51 13 00-0133	LF		TremSEAL S Silicone Sealant ..... Note: For insulation only.	6.37	
<b>07 51 13 00-0134</b>			<b>Surfacing (07 51 13 00-0077)</b>		
07 51 13 00-0135	SQ		TremLastic SP Non-Fibered Elastomeric Emulsion Cold Applied Coating ..... Note: For insulation only.	269.19	
07 51 13 00-0136	SQ		ICE Coating, Water Based, Heavy Bodied Elastomeric Roof Coating ..... Note: For insulation only.	601.06	
07 51 13 00-0137	SQ		Polar Coat..... Note: For insulation only.	152.61	
07 51 13 00-0138	SQ		Alumanation 301, Asphalt Based, Fibrated Aluminum Roof Coating..... Note: For insulation only.	187.79	
07 51 13 00-0139	SQ		Wall-Tite, Elastomeric Coating For Exterior Above-Grade Walls..... Note: For insulation only.	550.24	
07 51 13 00-0140	SQ		Solarguard Hy-Build, Elastomeric Coating For Exterior Above-Grade Walls..... Note: For insulation only.	246.87	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 51 13 00-0141	SQ	100% Stitchbonded, Polyester Fabric (Tremco PERMAFAB).....		71.08	
<b>07 51 13 00-0142</b>		<b>Walkway Protection Pads</b> (07 51 13 00-0077)			
07 51 13 00-0143	LF	36" Wide, Fiberglass Reinforced Asphaltic Walkway Protection Pad (Tremco Trem-Tred®) .....		34.17	
<b>07 51 13 00-0144</b>		<b>Primer</b> (07 51 13 00-0077)			
07 51 13 00-0145	SQ	TREMprime WB Primer .....		38.01	
		Note: Water based polymer modified asphalt primer.			
07 51 13 00-0146	SQ	Solarguard Masonry Primer, Acrylic Latex Primer For Wall Tite F Coating.....		87.71	
<b>07 51 13 00-0147</b>		<b>Liquid Applied Roofing</b> (07 51 13 00-0077)			
07 51 13 00-0148	SQ	Trem-LAR LRM H Waterproofing (Horizontal) .....		456.92	
		Note: One part liquid applied elastomeric roofing membrane. 60 mils.			
07 51 13 00-0149	SQ	Trem-LAR LRM V Waterproofing (Vertical).....		464.82	
		Note: One part liquid applied elastomeric roofing membrane. 60 mils.			
07 51 13 00-0150	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Smooth BUR/MB, Concrete Or Single Ply Surfaces .....		599.27	
		Note: Two part liquid applied polyurethane roof coating. 48 mils.			
07 51 13 00-0151	SQ	AlphaGuard BIO Base Coat, High Performance, Two-Part, Polyurethane Roof Coating For Granule MB Surfaces .....		780.97	
		Note: Two part liquid applied polyurethane roof coating. 64 mils.			
07 51 13 00-0152	SQ	AlphaGuard BIO Top Coat, High Performance, Two-Part, Polyurethane Roof Coating.....		453.58	
		Note: Two part liquid applied polyurethane roof coating. 32 mils.			
07 51 13 00-0153	SQ	AlphaGuard Glass Mat.....		87.09	
		Note: Reinforcement mat for AlphaGuard systems.			
07 51 13 00-0154	SQ	AlphaGuard C-Prime Primer .....		87.26	
		Note: 100% solids epoxy primer for concrete surfaces.			
07 51 13 00-0155	SQ	AlphaGuard M-Prime Primer.....		93.93	
		Note: Water based primer for metal and plastic surfaces.			
07 51 13 00-0156	SQ	Geogard Primer .....		68.74	
		Note: Reactivation primer for cured AlphaGuard MT roof systems and coatings.			
07 51 13 00-0157	SQ	AlphaGuard Primer WB .....		61.64	
		Note: Water based polymer modified primer which conditions a variety of roofing substrates prior to the application of AlphaGuard systems.			
<b>07 51 13 00-0158</b>		<b>Atactic-Polypropylene (APP) Products</b> (07 51 13 00-0077)			
07 51 13 00-0159	SQ	POWERply Atactic-Polypropylene (APP) Base Sheet .....		235.55	
07 51 13 00-0160	SQ	POWERply Atactic-Polypropylene (APP) FR.....		446.47	
07 51 13 00-0161	SQ	POWERply Atactic-Polypropylene (APP) Smooth .....		357.77	
<b>07 51 13 00-0162</b>		<b>Tri-Polymer Alloy (TPA) White Membrane</b> (07 51 13 00-0077)			
07 51 13 00-0163	SQ	45 Mil Tri-Polymer Alloy (TPA) White Membrane .....		624.57	
07 51 13 00-0164	SQ	60 Mil Tri-Polymer Alloy (TPA) White Membrane .....		860.31	
07 51 13 00-0165	SQ	80 Mil Tri-Polymer Alloy (TPA) White Membrane .....		979.13	
<b>07 51 13 00-0166</b>		<b>Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane</b> (07 51 13 00-0077)			
07 51 13 00-0167	SQ	45 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane .....		720.15	
07 51 13 00-0168	SQ	60 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....		885.69	
07 51 13 00-0169	SQ	80 Mil Tri-Polymer Alloy (TPA) Polyester Fleece Backed White Membrane.....		1,085.68	
<b>07 51 13 00-0170</b>		<b>Tri-Polymer Alloy (TPA) Membrane Accessories</b> (07 51 13 00-0077)			
07 51 13 00-0171	EA	>1" To 4" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco).....		128.72	
07 51 13 00-0172	EA	>4" To 8" Pipe Diameter, Prefabricated Tri-Polymer Alloy (TPA) Pipe Cone/Boot (Tremco) .....		146.21	
07 51 13 00-0173	LF	36" Wide, Thermoplastic Tri-Polymer Alloy (TPA) Walkway Protection Pad (Tremco) .....		20.20	
07 51 13 00-0174	SQ	Factory Coated Steel Fasteners And Steel Or Plastic Membrane Plates (Tremco).....		67.69	
<b>07 51 13 00-0175</b>		<b>Thermoplastic Polyolefin (TPO) Polyester White Membrane</b> (07 51 13 00-0077)			
07 51 13 00-0176	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane .....		331.96	
07 51 13 00-0177	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane .....		337.15	
07 51 13 00-0178	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester White Membrane .....		605.36	
<b>07 51 13 00-0179</b>		<b>Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane</b> (07 51 13 00-0077)			
07 51 13 00-0180	SQ	45 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....		387.93	
07 51 13 00-0181	SQ	60 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....		438.70	
07 51 13 00-0182	SQ	80 Mil Thermoplastic Polyolefin (TPO) Polyester Fleece Backed White Membrane.....		641.87	
<b>07 51 13 00-0183</b>		<b>Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510)</b> (07 51 13 00-0077)			
07 51 13 00-0184	SQ	45 Mil Chlorosulfonated Polyethylene (CSPE) White Membrane (Tremply HP 4510) .....		1,056.20	
<b>07 51 13 00-0185</b>		<b>Single Ply Adhesives</b> (07 51 13 00-0077)			
07 51 13 00-0186	SQ	Low VOC, TPA Bonding Adhesive (Tremco) .....		168.88	
07 51 13 00-0187	SQ	Water Based, TPA Bonding Adhesive (Tremco).....		191.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 51 13 00-0188	SQ		Water Based, Fleece Backed Single Ply Bonding Adhesive (Tremco) .....	165.66	
07 51 13 00-0189	SQ		Low VOC, TPO Bonding Adhesive (Tremco).....	109.58	
<b>07 51 13 00-0190</b>			<b>Warranty (Tremco) (07 51 13 00-0077)</b>		
07 51 13 00-0191	EA		Up To 10,000 SF 15 Year Roofing System Warranty .....	1,500.00	
07 51 13 00-0192	SF		>10,000 SF 15 Year Roofing System Warranty .....	0.15	
07 51 13 00-0193	EA		Up To 10,000 SF 20 Year Roofing System Warranty .....	2,000.00	
07 51 13 00-0194	SF		>10,000 SF 20 Year Roofing System Warranty .....	0.20	
<b>07 51 13 00-0195</b>			<b>Built-Up Roofing Components (Garland) (07 51 13)</b>		
			Note: All tasks presented as a single layer. Adhesives are priced separately.		
<b>07 51 13 00-0196</b>			<b>Modified Cap Membranes (07 51 13 00-0195)</b>		
			See CSI section 07 51 13 00-0220 for base membrane.		
<b>07 51 13 00-0197</b>			<b>Modified Cap Membranes, Hot/Cold Applied (07 51 13 00-0196)</b>		
			Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0239 for adhesive.		
07 51 13 00-0198	SQ		Stressply® FR Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane, Minimum 145 Mil .....	739.39	
07 51 13 00-0199	SQ		Stressply® Plus Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane With Recycled Rubber, 105 Mil .....	528.76	
07 51 13 00-0200	SQ		Stressply® Plus FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Fiberglass Reinforced Membrane With Recycled Rubber, Minimum 155 Mil .....	654.84	
07 51 13 00-0201	SQ		Stressply® E Eco-Responsible, Smooth Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials .....	680.50	
07 51 13 00-0202	SQ		Stressply® E FR Mineral Eco-Responsible, Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Membrane With High Recycled Content And Renewable Materials, Minimum 160 Mil .....	947.75	
07 51 13 00-0203	SQ		Stressply® EUV Fiberglass Reinforced, Minimum Poly/Fiberglass Reinforced White T-24 Styrene-Butadiene-Styrene (SBS)/Styrene-Isoprene-Styrene (SIS) Modified Membrane With Recycled Rubber, 160 Mil .....	1,065.52	
07 51 13 00-0204	SQ		Versiply® III 80 Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 80 Mil .....	447.27	
			Note: Low strength cap sheet for hot or cold modified systems used with gravel.		
07 51 13 00-0205	SQ		Versiply® III Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Minimum 145 Mil .....	564.25	
07 51 13 00-0206	SQ		BiFlex® Cap Fiberglass Reinforced, Mineral Surfaced Styrene-Butadiene-Styrene (SBS) Modified Membrane, 140 Mil .....	344.78	
<b>07 51 13 00-0207</b>			<b>Modified Cap Membranes, Self-Adhering (07 51 13 00-0196)</b>		
			Note: As manufactured by Garland. Pricing represents single ply per square. Includes 25 year leak-free warranty.		
07 51 13 00-0208	SQ		Stressply® SA FR Mineral Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Fiberglass Reinforced Membrane, Minimum 140 Mil .....	669.18	
			Note: Self adhering system. One HPR SA FR base with one ply Stress Ply SA FR cap sheet.		
<b>07 51 13 00-0209</b>			<b>Modified Cap Membranes, Torch-Applied (07 51 13 00-0196)</b>		
			Note: As manufactured by Garland. Pricing represents single ply per square. Includes 30 year leak-free warranty.		
07 51 13 00-0210	SQ		Stressply® IV Dual Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil .....	823.95	
			Note: Smooth surfaced Styrene-Butadiene-Styrene (SBS) torch modified top ply of torch system with gravel.		
07 51 13 00-0211	SQ		Stressply® IV Mineral Dual Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Minimum 195 Mil .....	896.42	
07 51 13 00-0212	SQ		Stressply® IV UV Mineral Fiberglass Reinforced, Starburst Surface Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, Title 24 Compliant, 195 Mil .....	944.73	
07 51 13 00-0213	SQ		StressPly® IV Plus Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Membrane, Torch Applied, 180 Mil .....	863.20	
07 51 13 00-0214	SQ		StressPly® IV Plus Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Mineral Surfaced Membrane, Torch Applied, 195 Mil .....	914.54	
07 51 13 00-0215	SQ		StressPly® IV Plus UV Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Reflective Mineral Membrane, Torch Applied, 195 Mil .....	959.84	
<b>07 51 13 00-0216</b>			<b>Modified Cap Membranes, Coal Tar Pitch Systems (07 51 13 00-0196)</b>		
			Note: As manufactured by Garland. Pricing represents single ply per square. Excludes adhesive. Includes 30 year leak-free warranty. See CSI section 07 51 13 00-0239 for adhesive.		
07 51 13 00-0217	SQ		Millennium® Poly/Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 120 Mil .....	759.81	
07 51 13 00-0218	SQ		Millennium® FR Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Fiberglass Reinforced Membrane, Minimum 160 Mil .....	1,201.40	
07 51 13 00-0219	SQ		Millennium® Mineral Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Coal Tar Membrane, Minimum 160 Mil .....	977.96	
<b>07 51 13 00-0220</b>			<b>Base Ply (07 51 13 00-0195)</b>		
			Note: Used with modified cap membranes, underlayment for metal systems, and reinforcement for restoration systems. See CSI section 07 51 13 00-0196 for cap membrane.		
07 51 13 00-0221	SQ		Flexbase® E120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 120 Mil .....	675.97	
07 51 13 00-0222	SQ		Flexbase® 80 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet Used As Base Ply With Biflex Cap, 80 Mil .....	424.58	
07 51 13 00-0223	SQ		HPR® Glasbase Heavy Duty Double Coated ASTM D 4601, Type II Fiberglass, Type II, 55 Mil .....	96.99	
			Note: Glasbase used in cold system, nailed to deck, or inner ply 2 plies with cap.		
07 51 13 00-0224	SQ		HPR® Glasfelt Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type IV, 20 Mil .....	64.08	
			Note: Inner ply felts for hot applied built up and modified BUR systems.		
07 51 13 00-0225	SQ		HPR® Premium Glasbase High Strength, Double Coated Premium Base Sheet, Far Exceeds ASTM D 4601 Type II, 55 Mil .....	78.11	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 51 Built-Up Bituminous Roofing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 51 13 00-0226	SQ	HPR® Premium Glasfelt Premium Asphalt Saturated Fiberglass Felt, ASTM D 2178 Type VI, 25 Mil.....	84.90
07 51 13 00-0227	SQ	HPR® Tribase Premium Poly/Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Base Sheet, 60 Mil.....	132.47
Note: Inner plies for cold applied modified, Styrene-Butadiene-Styrene (SBS) modified, or 2 plies under cap sheet.			
07 51 13 00-0228	SQ	Millennium® Base Poly/Fiberglass Reinforced Coal Tar Base Sheet For Cold Millennium Systems, 80 Mil.....	430.67
07 51 13 00-0229	SQ	HPR® SA FR Base Sheet Styrene-Butadiene-Styrene (SBS) Modified Self-Adhering Underlayment Used In SP SA Fiberglass Reinforced Systems, Minimum 80 Mil.....	371.00
Note: Self adhering base ply for self adhering 2 ply system.			
07 51 13 00-0230	SQ	StressBase® 120 Fiberglass Reinforced Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 120 Mil.....	377.06
07 51 13 00-0231	SQ	StressBase® 80 Fiberglass Reinforced, Smooth Styrene-Butadiene-Styrene (SBS) Modified Underlayment Used With VersiPly And StressPly Cap Sheets, 80 Mil.....	312.90
07 51 13 00-0232	LF	Garmesh® 6" Styrene-Butadiene-Styrene (SBS) Coated Woven Fiberglass Reinforcing Fabric.....	5.40
07 51 13 00-0233	LF	Grip Polyester® Firm Polyester Reinforcement Used For Cold Application Over Smooth BUR Or Modified Roof Systems.....	15.17
07 51 13 00-0234	SQ	Grip Polyester® Soft Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	74.71
07 51 13 00-0235	LF	Grip Polyester® Soft 12" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	7.04
07 51 13 00-0236	LF	Grip Polyester® Soft 4" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	5.10
07 51 13 00-0237	LF	Grip Polyester® Soft 6" Polyester Reinforcement Used For Cold Applications Over Metal, Modified, Or Single Ply Roof Systems.....	5.98
07 51 13 00-0238	SQ	HPR® Polyscrim Plus Polyester Reinforcement For Hot Bitumen Applications.....	163.73

**07 51 13 00-0239 Coatings And Mastics For Roof Installation, Restoration And Repairs** (07 51 13 00-

07 51 13 00-0240	SQ	Water Based Roof Primer, GarlaPrime VOC Primer.....	46.79
07 51 13 00-0241	SQ	Black-Knight® Primer.....	43.24
07 51 13 00-0242	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Interply.....	180.03
07 51 13 00-0243	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Flood Coat (4-5 GAL/SQ).....	190.19
07 51 13 00-0244	SQ	Black-Knight® Cold, Cold Process Polymer Modified Coal Tar, Restoration (6-8 GAL/SQ).....	302.95
07 51 13 00-0245	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Interply.....	489.29
07 51 13 00-0246	SQ	Black-Knight® LV Hot Applied Polymer Modified Lower Viscosity Coal Tar Adhesive, Flood Coat.....	502.83
07 51 13 00-0247	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	234.67
07 51 13 00-0248	SQ	Energizer® K Plus FR Cold Applied Styrene-Butadiene-Styrene (SBS) Modified Asphalt Coating With Kevlar® For Smooth And Mineral Restoration, Restoration.....	388.11
07 51 13 00-0249	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, One Coat (3 GAL/SQ).....	600.54
07 51 13 00-0250	SQ	Energizer® LO Low Odor Cold Applied Polyurethane Modified Asphalt Liquid Membrane For Smooth And Mineral Restoration, Restoration.....	998.09
07 51 13 00-0251	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Interply.....	417.51
07 51 13 00-0252	SQ	Garlastic® KM Plus Premium Hot Applied, Styrene-Ethylene-Butadiene-Styrene (SEBS) Modified Adhesive/Waterproofer, Flood Coat.....	431.05
07 51 13 00-0253	SQ	Green-Lock® Flashing Adhesive 100% Solids Polyether, Zero VOC, Flashing Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only.....	917.28
07 51 13 00-0254	SQ	Green-Lock® Membrane Adhesive 100% Solids Polyether, Zero VOC, Membrane Adhesive To Be Used With Styrene-Butadiene-Styrene (SBS) Sheets Only.....	396.40
07 51 13 00-0255	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Interply.....	193.10
07 51 13 00-0256	SQ	HPR® All-Temp Asphalt Hot Applied, High Softening Point, High Penetration Mopping Asphalt, Flood Coat.....	206.64
07 51 13 00-0257	SQ	Insul-Lock® E HR Bio-Based High Rise Urethane Insulation Adhesive For New Construction Or Gravel.....	179.26
07 51 13 00-0258	SQ	Insul-Lock® HR High Rise Urethane Insulation Adhesive For New Construction Or Gravel Recovers.....	167.26
07 51 13 00-0259	SQ	Insul-Lock® HR Universal Primer All-Purpose Water Based Primer Designed For Use With The Insul-Lock Products.....	20.67
Note: Adheres all insulation layers for cold systems.			
07 51 13 00-0260	SQ	Pyramic® Plus LO White, Water-Based Acrylic, Low VOC, Reflective Roof Coating, Energy Star, Top Coat Required.....	204.36
07 51 13 00-0261	SQ	Pyramic® Plus LO Base Coat, Water-Based, Acrylic, Low VOC, Base Coating For A Pyramic System.....	198.09
07 51 13 00-0262	LF	Silver-Flash® Aluminized Asphalt Fibered Trowel Grade Mastic Used With GarMesh.....	24.78
07 51 13 00-0263	SQ	Solex® White, Kynar® Acrylic Topcoat Roof Coating Used With Pyramic Base Coat.....	264.78
07 51 13 00-0264	SQ	Tuff-Flash™ Multi-Purpose Asphaltic Polyurethane Liquid Flashing Membrane Used With Reinforcing Fabric.....	1,510.69
07 51 13 00-0265	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel, Flood Coat (4-5 GAL/SQ).....	336.68
07 51 13 00-0266	SQ	Weatherscreen™ Rubberized, Fiber-Reinforced Fire-Rated Restoration For Modified And Gravel.....	411.26
07 51 13 00-0267	SQ	Weatherking® Cold Applied Rubber Modified Asphalt Interply Adhesive For Slopes Up To 3:12, Interply.....	152.55
07 51 13 00-0268	SQ	Weatherking® Flashing Adhesive Brush Grade, Cold Applied Asphalt Adhesive For Flashings In A Weatherking System.....	497.36
07 51 13 00-0269	SQ	Weatherking® Plus WC Cold Applied Rubber Modified, VOC Compliant Asphalt Interply Adhesive For Slopes Up To 2:12, Interply.....	151.40
Note: Inner ply and flood coat SEBS modified adhesive for all cold systems with gravel.			

**07 52 Modified Bituminous Membrane Roofing** (07 50)**07 52 13 Atactic-Polypropylene Modified Bituminous Membrane Roofing** (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

**07 52 13 11 Cold Adhesive Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13)**07 52 13 11-0001 Cold Adhesive Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing** (07 52 13 11)

Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 52 13 11-0002 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 11-0001)**

07 52 13 11-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Cold Adhesive Applied.....	214.07	
			<i>For Up To 10, Add</i>	50.20	
			<i>For &gt;10 To 20, Add</i>	26.95	
			<i>For &gt;20 To 40, Add</i>	14.40	
			<i>For &gt;75 To 100, Deduct</i>	-7.20	
			<i>For &gt;100 To 200, Deduct</i>	-15.32	
			<i>For &gt;200, Deduct</i>	-22.52	
07 52 13 11-0004	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied.....	260.93	
			<i>For Up To 10, Add</i>	59.57	
			<i>For &gt;10 To 20, Add</i>	31.63	
			<i>For &gt;20 To 40, Add</i>	16.74	
			<i>For &gt;75 To 100, Deduct</i>	-8.37	
			<i>For &gt;100 To 200, Deduct</i>	-17.66	
			<i>For &gt;200, Deduct</i>	-26.03	
07 52 13 11-0005	SQ		160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Cold Adhesive Applied.....	410.57	
			<i>For Up To 10, Add</i>	89.50	
			<i>For &gt;10 To 20, Add</i>	46.60	
			<i>For &gt;20 To 40, Add</i>	24.22	
			<i>For &gt;75 To 100, Deduct</i>	-12.11	
			<i>For &gt;100 To 200, Deduct</i>	-25.15	
			<i>For &gt;200, Deduct</i>	-37.26	
07 52 13 11-0006	SQ		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	414.08	
			<i>For Up To 10, Add</i>	90.91	
			<i>For &gt;10 To 20, Add</i>	47.48	
			<i>For &gt;20 To 40, Add</i>	24.75	
			<i>For &gt;75 To 100, Deduct</i>	-12.37	
			<i>For &gt;100 To 200, Deduct</i>	-25.76	
			<i>For &gt;200, Deduct</i>	-38.13	
07 52 13 11-0007	SQ		160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	295.89	
			<i>For Up To 10, Add</i>	67.27	
			<i>For &gt;10 To 20, Add</i>	35.66	
			<i>For &gt;20 To 40, Add</i>	18.84	
			<i>For &gt;75 To 100, Deduct</i>	-9.42	
			<i>For &gt;100 To 200, Deduct</i>	-19.85	
			<i>For &gt;200, Deduct</i>	-29.27	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 13 11-0008	SQ		160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	343.29	
			<i>For Up To 10, Add</i>	76.75	
			<i>For &gt;10 To 20, Add</i>	40.40	
			<i>For &gt;20 To 40, Add</i>	21.21	
			<i>For &gt;75 To 100, Deduct</i>	-10.60	
			<i>For &gt;100 To 200, Deduct</i>	-22.22	
			<i>For &gt;200, Deduct</i>	-32.83	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 13 11-0009	SQ		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	472.44	
			<i>For Up To 10, Add</i>	102.58	
			<i>For &gt;10 To 20, Add</i>	53.31	
			<i>For &gt;20 To 40, Add</i>	27.67	
			<i>For &gt;75 To 100, Deduct</i>	-13.83	
			<i>For &gt;100 To 200, Deduct</i>	-28.68	
			<i>For &gt;200, Deduct</i>	-42.51	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	

**07 52 13 11-0010 Cold Adhesive Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing (07 52 13 11-0001)**

07 52 13 11-0011	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.99	
07 52 13 11-0012	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Cold Adhesive Applied.....	9.14	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	

**07 52 13 13 Torch-Applied Atactic-Polypropylene-Modified Bituminous Membrane Roofing (07 52 13)**

**07 52 13 13-0001 Torch-Applied Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing (07 52 13 13)**

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

**07 52 13 13-0002 Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 13 13-0001)**

07 52 13 13-0003	SQ		80 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Sheet, Torch-Applied.....	154.03	
			<i>For Up To 10, Add</i>	38.19	
			<i>For &gt;10 To 20, Add</i>	20.94	
			<i>For &gt;20 To 40, Add</i>	11.39	
			<i>For &gt;75 To 100, Deduct</i>	-5.70	
			<i>For &gt;100 To 200, Deduct</i>	-12.31	
			<i>For &gt;200, Deduct</i>	-18.01	



## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 52 Modified Bituminous Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 13 13-0004	SQ	90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Torch-Applied.....	200.90	
		<i>For Up To 10, Add</i>	47.56	
		<i>For &gt;10 To 20, Add</i>	25.63	
		<i>For &gt;20 To 40, Add</i>	13.74	
		<i>For &gt;75 To 100, Deduct</i>	-6.87	
		<i>For &gt;100 To 200, Deduct</i>	-14.66	
		<i>For &gt;200, Deduct</i>	-21.53	
07 52 13 13-0005	SQ	150 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	241.41	
		<i>For Up To 10, Add</i>	59.36	
		<i>For &gt;10 To 20, Add</i>	32.45	
		<i>For &gt;20 To 40, Add</i>	17.61	
		<i>For &gt;75 To 100, Deduct</i>	-8.81	
		<i>For &gt;100 To 200, Deduct</i>	-19.00	
		<i>For &gt;200, Deduct</i>	-27.80	
07 52 13 13-0006	SQ	160 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	253.40	
		<i>For Up To 10, Add</i>	61.76	
		<i>For &gt;10 To 20, Add</i>	33.65	
		<i>For &gt;20 To 40, Add</i>	18.21	
		<i>For &gt;75 To 100, Deduct</i>	-9.11	
		<i>For &gt;100 To 200, Deduct</i>	-19.60	
		<i>For &gt;200, Deduct</i>	-28.70	
07 52 13 13-0007	SQ	180 Mil, Atactic-Polypropylene (APP) Modified Bitumen Ply Sheet, Torch-Applied.....	350.75	
		<i>For Up To 10, Add</i>	81.23	
		<i>For &gt;10 To 20, Add</i>	43.39	
		<i>For &gt;20 To 40, Add</i>	23.08	
		<i>For &gt;75 To 100, Deduct</i>	-11.54	
		<i>For &gt;100 To 200, Deduct</i>	-24.46	
		<i>For &gt;200, Deduct</i>	-36.00	
07 52 13 13-0008	SQ	150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	241.41	
		<i>For Up To 10, Add</i>	59.36	
		<i>For &gt;10 To 20, Add</i>	32.45	
		<i>For &gt;20 To 40, Add</i>	17.61	
		<i>For &gt;75 To 100, Deduct</i>	-8.81	
		<i>For &gt;100 To 200, Deduct</i>	-19.00	
		<i>For &gt;200, Deduct</i>	-27.80	
07 52 13 13-0009	SQ	160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	256.40	
		<i>For Up To 10, Add</i>	62.36	
		<i>For &gt;10 To 20, Add</i>	33.95	
		<i>For &gt;20 To 40, Add</i>	18.36	
		<i>For &gt;75 To 100, Deduct</i>	-9.18	
		<i>For &gt;100 To 200, Deduct</i>	-19.75	
		<i>For &gt;200, Deduct</i>	-28.93	
07 52 13 13-0010	SQ	180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	350.75	
		<i>For Up To 10, Add</i>	81.23	
		<i>For &gt;10 To 20, Add</i>	43.39	
		<i>For &gt;20 To 40, Add</i>	23.08	
		<i>For &gt;75 To 100, Deduct</i>	-11.54	
		<i>For &gt;100 To 200, Deduct</i>	-24.46	
		<i>For &gt;200, Deduct</i>	-36.00	
07 52 13 13-0011	SQ	160 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	250.85	
		<i>For Up To 10, Add</i>	61.25	
		<i>For &gt;10 To 20, Add</i>	33.40	
		<i>For &gt;20 To 40, Add</i>	18.08	
		<i>For &gt;75 To 100, Deduct</i>	-9.04	
		<i>For &gt;100 To 200, Deduct</i>	-19.47	
		<i>For &gt;200, Deduct</i>	-28.51	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 13 13-0012	SQ	170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	265.40	
		<i>For Up To 10, Add</i>	64.16	
		<i>For &gt;10 To 20, Add</i>	34.85	
		<i>For &gt;20 To 40, Add</i>	18.81	
		<i>For &gt;75 To 100, Deduct</i>	-9.41	
		<i>For &gt;100 To 200, Deduct</i>	-20.20	
		<i>For &gt;200, Deduct</i>	-29.60	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 13 13-0013	SQ	160 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	301.10	
		<i>For Up To 10, Add</i>	71.30	
		<i>For &gt;10 To 20, Add</i>	38.42	
		<i>For &gt;20 To 40, Add</i>	20.60	
		<i>For &gt;75 To 100, Deduct</i>	-10.30	
		<i>For &gt;100 To 200, Deduct</i>	-21.98	
		<i>For &gt;200, Deduct</i>	-32.28	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 13 13-0014	SQ	170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	305.45	
		<i>For Up To 10, Add</i>	72.17	
		<i>For &gt;10 To 20, Add</i>	38.86	
		<i>For &gt;20 To 40, Add</i>	20.81	
		<i>For &gt;75 To 100, Deduct</i>	-10.41	
		<i>For &gt;100 To 200, Deduct</i>	-22.20	
		<i>For &gt;200, Deduct</i>	-32.61	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 13 13-0015	SQ	180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Cap Sheet, Torch-Applied.....	427.40	
		<i>For Up To 10, Add</i>	96.56	
		<i>For &gt;10 To 20, Add</i>	51.05	
		<i>For &gt;20 To 40, Add</i>	26.91	
		<i>For &gt;75 To 100, Deduct</i>	-13.46	
		<i>For &gt;100 To 200, Deduct</i>	-28.30	
		<i>For &gt;200, Deduct</i>	-41.75	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>07 52 13 13-0016</b>			<b>Torch-Applied, Atactic-Polypropylene (APP) Modified Bitumen Roofing Flashing</b> <small>(07 52 13 13-0001)</small>		
07 52 13 13-0017	SF		150 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.52	
07 52 13 13-0018	SF		160 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.67	
07 52 13 13-0019	SF		180 Mil, Smooth Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	4.61	
07 52 13 13-0020	SF		170 Mil, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	3.76	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 13 13-0021	SF		170 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	4.16	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 13 13-0022	SF		180 Mil, Fire Rated, Granule Surfaced, Atactic-Polypropylene (APP) Modified Bitumen Flashing, Torch-Applied .....	5.38	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	

**07 52 13 14 Mechanically Fastened Atactic-Polypropylene-Modified Bituminous Membrane Roofing** (07 52 13)

<b>07 52 13 14-0001</b>			<b>Mechanically Fastened Atactic-Polypropylene (APP) Modified Bituminous Membrane Roofing</b> <small>(07 52 13 14)</small>		
			Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
<b>07 52 13 14-0002</b>			<b>Mechanically Fastened, Atactic-Polypropylene (APP) Modified Bitumen Roofing Base And Ply Sheets</b> <small>(07 52 13 14-0001)</small>		
07 52 13 14-0003	SQ		90 Mil, Atactic-Polypropylene (APP) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened .....	229.16	
			<i>For Up To 10, Add</i> .....	49.52	
			<i>For &gt;10 To 20, Add</i> .....	25.68	
			<i>For &gt;20 To 40, Add</i> .....	13.30	
			<i>For &gt;75 To 100, Deduct</i> .....	-6.65	
			<i>For &gt;100 To 200, Deduct</i> .....	-13.76	
			<i>For &gt;200, Deduct</i> .....	-20.42	

**07 52 16 Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52)

Note: Includes all standard manufacturers' colors including white for granule and smooth surfaced cap sheets and flashing.

**07 52 16 11 Cold Adhesive Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52 16)

<b>07 52 16 11-0001</b>			<b>Cold Adhesive Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 11)</small>		
			Note: Includes fiberglass and/or polyester reinforcement. Includes applying cold adhesive and embedding the membrane. Includes heat welding side and end laps when required.		
<b>07 52 16 11-0002</b>			<b>Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 11-0001)</small>		
07 52 16 11-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	168.19	
			<i>For Up To 10, Add</i> .....	41.03	
			<i>For &gt;10 To 20, Add</i> .....	22.36	
			<i>For &gt;20 To 40, Add</i> .....	12.10	
			<i>For &gt;75 To 100, Deduct</i> .....	-6.05	
			<i>For &gt;100 To 200, Deduct</i> .....	-13.03	
			<i>For &gt;200, Deduct</i> .....	-19.08	
07 52 16 11-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	220.22	
			<i>For Up To 10, Add</i> .....	51.43	
			<i>For &gt;10 To 20, Add</i> .....	27.56	
			<i>For &gt;20 To 40, Add</i> .....	14.71	
			<i>For &gt;75 To 100, Deduct</i> .....	-7.35	
			<i>For &gt;100 To 200, Deduct</i> .....	-15.63	
			<i>For &gt;200, Deduct</i> .....	-22.98	
07 52 16 11-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Cold Adhesive Applied .....	226.93	
			<i>For Up To 10, Add</i> .....	52.77	
			<i>For &gt;10 To 20, Add</i> .....	28.23	
			<i>For &gt;20 To 40, Add</i> .....	15.04	
			<i>For &gt;75 To 100, Deduct</i> .....	-7.52	
			<i>For &gt;100 To 200, Deduct</i> .....	-15.96	
			<i>For &gt;200, Deduct</i> .....	-23.48	
07 52 16 11-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Cold Adhesive Applied .....	309.93	
			<i>For Up To 10, Add</i> .....	69.37	
			<i>For &gt;10 To 20, Add</i> .....	36.53	
			<i>For &gt;20 To 40, Add</i> .....	19.19	
			<i>For &gt;75 To 100, Deduct</i> .....	-9.60	
			<i>For &gt;100 To 200, Deduct</i> .....	-20.11	
			<i>For &gt;200, Deduct</i> .....	-29.71	
07 52 16 11-0007	SQ		125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Cold Adhesive Applied .....	393.93	
			<i>For Up To 10, Add</i> .....	86.17	
			<i>For &gt;10 To 20, Add</i> .....	44.93	
			<i>For &gt;20 To 40, Add</i> .....	23.39	
			<i>For &gt;75 To 100, Deduct</i> .....	-11.70	
			<i>For &gt;100 To 200, Deduct</i> .....	-24.31	
			<i>For &gt;200, Deduct</i> .....	-36.01	
07 52 16 11-0008	SQ		140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied .....	327.81	
			<i>For Up To 10, Add</i> .....	73.65	
			<i>For &gt;10 To 20, Add</i> .....	38.85	
			<i>For &gt;20 To 40, Add</i> .....	20.44	
			<i>For &gt;75 To 100, Deduct</i> .....	-10.22	
			<i>For &gt;100 To 200, Deduct</i> .....	-21.45	
			<i>For &gt;200, Deduct</i> .....	-31.66	

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 52 Modified Bituminous Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 11-0009	SQ		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	336.84	
			For Up To 10, Add	75.46	
			For >10 To 20, Add	39.75	
			For >20 To 40, Add	20.89	
			For >75 To 100, Deduct	-10.44	
			For >100 To 200, Deduct	-21.90	
			For >200, Deduct	-32.34	
07 52 16 11-0010	SQ		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	294.54	
			For Up To 10, Add	67.00	
			For >10 To 20, Add	35.52	
			For >20 To 40, Add	18.77	
			For >75 To 100, Deduct	-9.39	
			For >100 To 200, Deduct	-19.78	
			For >200, Deduct	-29.17	
			For Factory Applied White Reflective Surfacing, Add	107.32	
07 52 16 11-0011	SQ		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	298.44	
			For Up To 10, Add	67.78	
			For >10 To 20, Add	35.91	
			For >20 To 40, Add	18.97	
			For >75 To 100, Deduct	-9.48	
			For >100 To 200, Deduct	-19.98	
			For >200, Deduct	-29.46	
			For Factory Applied White Reflective Surfacing, Add	107.32	
07 52 16 11-0012	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	334.44	
			For Up To 10, Add	74.98	
			For >10 To 20, Add	39.51	
			For >20 To 40, Add	20.77	
			For >75 To 100, Deduct	-10.38	
			For >100 To 200, Deduct	-21.78	
			For >200, Deduct	-32.16	
			For Factory Applied White Reflective Surfacing, Add	107.32	
07 52 16 11-0013	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	340.44	
			For Up To 10, Add	76.18	
			For >10 To 20, Add	40.11	
			For >20 To 40, Add	21.07	
			For >75 To 100, Deduct	-10.53	
			For >100 To 200, Deduct	-22.08	
			For >200, Deduct	-32.61	
			For Factory Applied White Reflective Surfacing, Add	107.32	
07 52 16 11-0014	SQ		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	392.94	
			For Up To 10, Add	86.68	
			For >10 To 20, Add	45.36	
			For >20 To 40, Add	23.69	
			For >75 To 100, Deduct	-11.85	
			For >100 To 200, Deduct	-24.70	
			For >200, Deduct	-36.55	
			For Factory Applied White Reflective Surfacing, Add	107.32	
07 52 16 11-0015	SQ		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	488.58	
			For Up To 10, Add	105.81	
			For >10 To 20, Add	54.93	
			For >20 To 40, Add	28.47	
			For >75 To 100, Deduct	-14.24	
			For >100 To 200, Deduct	-29.49	
			For >200, Deduct	-43.72	
			For Factory Applied White Reflective Surfacing, Add	107.32	
07 52 16 11-0016	SQ		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	301.05	
			For Up To 10, Add	68.30	
			For >10 To 20, Add	36.17	
			For >20 To 40, Add	19.10	
			For >75 To 100, Deduct	-9.55	
			For >100 To 200, Deduct	-20.11	
			For >200, Deduct	-29.66	
			For Factory Applied White Reflective Surfacing, Add	107.32	
07 52 16 11-0017	SQ		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	310.44	
			For Up To 10, Add	70.18	
			For >10 To 20, Add	37.11	
			For >20 To 40, Add	19.57	
			For >75 To 100, Deduct	-9.78	
			For >100 To 200, Deduct	-20.58	
			For >200, Deduct	-30.36	
			For Factory Applied White Reflective Surfacing, Add	107.32	
07 52 16 11-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	361.44	
			For Up To 10, Add	80.38	
			For >10 To 20, Add	42.21	
			For >20 To 40, Add	22.12	
			For >75 To 100, Deduct	-11.06	
			For >100 To 200, Deduct	-23.13	
			For >200, Deduct	-34.19	
			For Factory Applied White Reflective Surfacing, Add	107.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 11-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	362.64	
			<i>For Up To 10, Add</i>	80.62	
			<i>For &gt;10 To 20, Add</i>	42.33	
			<i>For &gt;20 To 40, Add</i>	22.18	
			<i>For &gt;75 To 100, Deduct</i>	-11.09	
			<i>For &gt;100 To 200, Deduct</i>	-23.19	
			<i>For &gt;200, Deduct</i>	-34.28	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 11-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Cold Adhesive Applied.....	385.44	
			<i>For Up To 10, Add</i>	85.18	
			<i>For &gt;10 To 20, Add</i>	44.61	
			<i>For &gt;20 To 40, Add</i>	23.32	
			<i>For &gt;75 To 100, Deduct</i>	-11.66	
			<i>For &gt;100 To 200, Deduct</i>	-24.33	
			<i>For &gt;200, Deduct</i>	-35.99	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	

**07 52 16 11-0021 Cold Adhesive Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 11-0001)**

07 52 16 11-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.22	
07 52 16 11-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.79	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.83	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0025	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.25	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0026	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.78	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0027	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	6.73	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0028	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.86	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0029	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	4.95	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0030	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.47	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0031	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	5.70	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 11-0032	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	7.57	
07 52 16 11-0033	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Cold Adhesive Applied.....	14.31	

**07 52 16 12 Hot-Mopped Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)**

**07 52 16 12-0001 Hot-Mopped Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing (07 52 16 12)**

Note: Includes fiberglass and/or polyester reinforcement. Includes mopping hot asphalt and embedding the membrane.

**07 52 16 12-0002 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets (07 52 16 12-0001)**

07 52 16 12-0003	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	137.51	
			<i>For Up To 10, Add</i>	35.01	
			<i>For &gt;10 To 20, Add</i>	19.38	
			<i>For &gt;20 To 40, Add</i>	10.63	
			<i>For &gt;75 To 100, Deduct</i>	-5.31	
			<i>For &gt;100 To 200, Deduct</i>	-11.57	
			<i>For &gt;200, Deduct</i>	-16.88	
07 52 16 12-0004	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	189.55	
			<i>For Up To 10, Add</i>	45.41	
			<i>For &gt;10 To 20, Add</i>	24.58	
			<i>For &gt;20 To 40, Add</i>	13.23	
			<i>For &gt;75 To 100, Deduct</i>	-6.61	
			<i>For &gt;100 To 200, Deduct</i>	-14.17	
			<i>For &gt;200, Deduct</i>	-20.78	
07 52 16 12-0005	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Hot-Mopped.....	196.26	
			<i>For Up To 10, Add</i>	46.76	
			<i>For &gt;10 To 20, Add</i>	25.25	
			<i>For &gt;20 To 40, Add</i>	13.57	
			<i>For &gt;75 To 100, Deduct</i>	-6.78	
			<i>For &gt;100 To 200, Deduct</i>	-14.50	
			<i>For &gt;200, Deduct</i>	-21.29	
07 52 16 12-0006	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Hot-Mopped.....	279.26	
			<i>For Up To 10, Add</i>	63.36	
			<i>For &gt;10 To 20, Add</i>	33.55	
			<i>For &gt;20 To 40, Add</i>	17.72	
			<i>For &gt;75 To 100, Deduct</i>	-8.86	
			<i>For &gt;100 To 200, Deduct</i>	-18.65	
			<i>For &gt;200, Deduct</i>	-27.51	

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 52 Modified Bituminous Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 52 16 12-0007	SQ	125 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Hot-Mopped .....	363.26	
		<i>For Up To 10, Add</i>	80.16	
		<i>For &gt;10 To 20, Add</i>	41.95	
		<i>For &gt;20 To 40, Add</i>	21.92	
		<i>For &gt;75 To 100, Deduct</i>	-10.96	
		<i>For &gt;100 To 200, Deduct</i>	-22.85	
		<i>For &gt;200, Deduct</i>	-33.81	
07 52 16 12-0008	SQ	140 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	297.20	
		<i>For Up To 10, Add</i>	67.66	
		<i>For &gt;10 To 20, Add</i>	35.88	
		<i>For &gt;20 To 40, Add</i>	18.97	
		<i>For &gt;75 To 100, Deduct</i>	-9.48	
		<i>For &gt;100 To 200, Deduct</i>	-20.00	
		<i>For &gt;200, Deduct</i>	-29.48	
07 52 16 12-0009	SQ	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	306.23	
		<i>For Up To 10, Add</i>	69.46	
		<i>For &gt;10 To 20, Add</i>	36.79	
		<i>For &gt;20 To 40, Add</i>	19.42	
		<i>For &gt;75 To 100, Deduct</i>	-9.71	
		<i>For &gt;100 To 200, Deduct</i>	-20.45	
		<i>For &gt;200, Deduct</i>	-30.16	
07 52 16 12-0010	SQ	125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	263.93	
		<i>For Up To 10, Add</i>	61.00	
		<i>For &gt;10 To 20, Add</i>	32.56	
		<i>For &gt;20 To 40, Add</i>	17.31	
		<i>For &gt;75 To 100, Deduct</i>	-8.65	
		<i>For &gt;100 To 200, Deduct</i>	-18.33	
		<i>For &gt;200, Deduct</i>	-26.99	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 12-0011	SQ	140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	267.83	
		<i>For Up To 10, Add</i>	61.78	
		<i>For &gt;10 To 20, Add</i>	32.95	
		<i>For &gt;20 To 40, Add</i>	17.50	
		<i>For &gt;75 To 100, Deduct</i>	-8.75	
		<i>For &gt;100 To 200, Deduct</i>	-18.53	
		<i>For &gt;200, Deduct</i>	-27.28	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 12-0012	SQ	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	303.83	
		<i>For Up To 10, Add</i>	68.98	
		<i>For &gt;10 To 20, Add</i>	36.55	
		<i>For &gt;20 To 40, Add</i>	19.30	
		<i>For &gt;75 To 100, Deduct</i>	-9.65	
		<i>For &gt;100 To 200, Deduct</i>	-20.33	
		<i>For &gt;200, Deduct</i>	-29.98	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 12-0013	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	309.83	
		<i>For Up To 10, Add</i>	70.18	
		<i>For &gt;10 To 20, Add</i>	37.15	
		<i>For &gt;20 To 40, Add</i>	19.60	
		<i>For &gt;75 To 100, Deduct</i>	-9.80	
		<i>For &gt;100 To 200, Deduct</i>	-20.63	
		<i>For &gt;200, Deduct</i>	-30.43	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 12-0014	SQ	170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	362.33	
		<i>For Up To 10, Add</i>	80.68	
		<i>For &gt;10 To 20, Add</i>	42.40	
		<i>For &gt;20 To 40, Add</i>	22.23	
		<i>For &gt;75 To 100, Deduct</i>	-11.11	
		<i>For &gt;100 To 200, Deduct</i>	-23.25	
		<i>For &gt;200, Deduct</i>	-34.37	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 12-0015	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	457.96	
		<i>For Up To 10, Add</i>	99.81	
		<i>For &gt;10 To 20, Add</i>	51.96	
		<i>For &gt;20 To 40, Add</i>	27.01	
		<i>For &gt;75 To 100, Deduct</i>	-13.50	
		<i>For &gt;100 To 200, Deduct</i>	-28.03	
		<i>For &gt;200, Deduct</i>	-41.54	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 12-0016	SQ	125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	270.44	
		<i>For Up To 10, Add</i>	62.31	
		<i>For &gt;10 To 20, Add</i>	33.21	
		<i>For &gt;20 To 40, Add</i>	17.63	
		<i>For &gt;75 To 100, Deduct</i>	-8.82	
		<i>For &gt;100 To 200, Deduct</i>	-18.66	
		<i>For &gt;200, Deduct</i>	-27.47	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 12-0017	SQ	140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	279.83	
		<i>For Up To 10, Add</i>	64.18	
		<i>For &gt;10 To 20, Add</i>	34.15	
		<i>For &gt;20 To 40, Add</i>	18.10	
		<i>For &gt;75 To 100, Deduct</i>	-9.05	
		<i>For &gt;100 To 200, Deduct</i>	-19.13	
		<i>For &gt;200, Deduct</i>	-28.18	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 52 16 12-0018	SQ		150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	330.83	
			<i>For Up To 10, Add</i> .....	74.38	
			<i>For &gt;10 To 20, Add</i> .....	39.25	
			<i>For &gt;20 To 40, Add</i> .....	20.65	
			<i>For &gt;75 To 100, Deduct</i> .....	-10.33	
			<i>For &gt;100 To 200, Deduct</i> .....	-21.68	
			<i>For &gt;200, Deduct</i> .....	-32.00	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	107.32	
07 52 16 12-0019	SQ		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	332.03	
			<i>For Up To 10, Add</i> .....	74.62	
			<i>For &gt;10 To 20, Add</i> .....	39.37	
			<i>For &gt;20 To 40, Add</i> .....	20.71	
			<i>For &gt;75 To 100, Deduct</i> .....	-10.36	
			<i>For &gt;100 To 200, Deduct</i> .....	-21.74	
			<i>For &gt;200, Deduct</i> .....	-32.09	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	107.32	
07 52 16 12-0020	SQ		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Hot-Mopped .....	354.83	
			<i>For Up To 10, Add</i> .....	79.18	
			<i>For &gt;10 To 20, Add</i> .....	41.65	
			<i>For &gt;20 To 40, Add</i> .....	21.85	
			<i>For &gt;75 To 100, Deduct</i> .....	-10.93	
			<i>For &gt;100 To 200, Deduct</i> .....	-22.88	
			<i>For &gt;200, Deduct</i> .....	-33.80	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	107.32	

**07 52 16 12-0021 Hot-Mopped, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing** (07 52 16 12-0001)

07 52 16 12-0022	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.99	
07 52 16 12-0023	SF		125 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.57	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0024	SF		140 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.60	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0025	SF		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.96	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0026	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	5.02	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0027	SF		170 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	5.55	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0028	SF		180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	6.51	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0029	SF		125 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.63	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0030	SF		140 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	4.72	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0031	SF		160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	5.15	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0032	SF		170 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	5.47	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	1.07	
07 52 16 12-0033	SF		145 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	7.34	
07 52 16 12-0034	SF		160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Hot-Mopped .....	14.08	

**07 52 16 13 Torch-Applied Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing** (07 52 16)

**07 52 16 13-0001 Torch-Applied Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing** (07 52 16 13)

Note: Includes fiberglass and/or polyester reinforcement. Includes adhering the membrane with a torch.

**07 52 16 13-0002 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets** (07 52 16 13-0001)

07 52 16 13-0003	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Torch-Applied .....	283.40	
			<i>For Up To 10, Add</i> .....	67.76	
			<i>For &gt;10 To 20, Add</i> .....	36.65	
			<i>For &gt;20 To 40, Add</i> .....	19.71	
			<i>For &gt;75 To 100, Deduct</i> .....	-9.86	
			<i>For &gt;100 To 200, Deduct</i> .....	-21.10	
			<i>For &gt;200, Deduct</i> .....	-30.95	
07 52 16 13-0004	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied .....	254.30	
			<i>For Up To 10, Add</i> .....	61.94	
			<i>For &gt;10 To 20, Add</i> .....	33.74	
			<i>For &gt;20 To 40, Add</i> .....	18.26	
			<i>For &gt;75 To 100, Deduct</i> .....	-9.13	
			<i>For &gt;100 To 200, Deduct</i> .....	-19.64	
			<i>For &gt;200, Deduct</i> .....	-28.77	
			<i>For Factory Applied White Reflective Surfacing, Add</i> .....	107.32	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 52 16 13-0005	SQ	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	288.50	
		<i>For Up To 10, Add</i>	68.78	
		<i>For &gt;10 To 20, Add</i>	37.16	
		<i>For &gt;20 To 40, Add</i>	19.97	
		<i>For &gt;75 To 100, Deduct</i>	-9.98	
		<i>For &gt;100 To 200, Deduct</i>	-21.35	
		<i>For &gt;200, Deduct</i>	-31.33	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 13-0006	SQ	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	443.54	
		<i>For Up To 10, Add</i>	99.79	
		<i>For &gt;10 To 20, Add</i>	52.67	
		<i>For &gt;20 To 40, Add</i>	27.72	
		<i>For &gt;75 To 100, Deduct</i>	-13.86	
		<i>For &gt;100 To 200, Deduct</i>	-29.10	
		<i>For &gt;200, Deduct</i>	-42.96	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 13-0007	SQ	150 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	264.08	
		<i>For Up To 10, Add</i>	63.90	
		<i>For &gt;10 To 20, Add</i>	34.72	
		<i>For &gt;20 To 40, Add</i>	18.75	
		<i>For &gt;75 To 100, Deduct</i>	-9.37	
		<i>For &gt;100 To 200, Deduct</i>	-20.13	
		<i>For &gt;200, Deduct</i>	-29.50	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 13-0008	SQ	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	304.40	
		<i>For Up To 10, Add</i>	71.96	
		<i>For &gt;10 To 20, Add</i>	38.75	
		<i>For &gt;20 To 40, Add</i>	20.76	
		<i>For &gt;75 To 100, Deduct</i>	-10.38	
		<i>For &gt;100 To 200, Deduct</i>	-22.15	
		<i>For &gt;200, Deduct</i>	-32.53	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 13-0009	SQ	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	317.28	
		<i>For Up To 10, Add</i>	74.71	
		<i>For &gt;10 To 20, Add</i>	40.17	
		<i>For &gt;20 To 40, Add</i>	21.49	
		<i>For &gt;75 To 100, Deduct</i>	-10.75	
		<i>For &gt;100 To 200, Deduct</i>	-22.90	
		<i>For &gt;200, Deduct</i>	-33.65	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 13-0010	SQ	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Torch-Applied.....	411.39	
		<i>For Up To 10, Add</i>	93.54	
		<i>For &gt;10 To 20, Add</i>	49.58	
		<i>For &gt;20 To 40, Add</i>	26.20	
		<i>For &gt;75 To 100, Deduct</i>	-13.10	
		<i>For &gt;100 To 200, Deduct</i>	-27.61	
		<i>For &gt;200, Deduct</i>	-40.71	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	

**07 52 16 13-0011 Torch-Applied, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing (07 52 16 13-0001)**

07 52 16 13-0012	SF	150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.02	
07 52 16 13-0013	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	4.00	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 13-0014	SF	180 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	5.54	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 13-0015	SF	160 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.19	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 13-0016	SF	165 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	4.27	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 13-0017	SF	180 Mil, Fire Rated, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	5.22	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 13-0018	SF	150 Mil, Aluminum Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied .....	5.42	
07 52 16 13-0019	SF	160 Mil, Copper Foil Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Torch-Applied.....	13.12	

**07 52 16 14 Mechanically Fastened Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing (07 52 16)**

07 52 16 14-0001		Mechanically Fastened Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing <small>(07 52 16 14)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes fasteners.		
07 52 16 14-0002		Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base And Ply Sheets <small>(07 52 16 14-0001)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 52 16 14-0003	SQ		35 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Ply Sheet, Mechanically Fastened .....	177.46	
			<i>For Up To 10, Add</i>	39.18	
			<i>For &gt;10 To 20, Add</i>	20.51	
			<i>For &gt;20 To 40, Add</i>	10.72	
			<i>For &gt;75 To 100, Deduct</i>	-5.36	
			<i>For &gt;100 To 200, Deduct</i>	-11.18	
			<i>For &gt;200, Deduct</i>	-16.54	
07 52 16 14-0004	SQ		50 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	136.41	
			<i>For Up To 10, Add</i>	30.97	
			<i>For &gt;10 To 20, Add</i>	16.41	
			<i>For &gt;20 To 40, Add</i>	8.67	
			<i>For &gt;75 To 100, Deduct</i>	-4.33	
			<i>For &gt;100 To 200, Deduct</i>	-9.13	
			<i>For &gt;200, Deduct</i>	-13.46	
07 52 16 14-0005	SQ		80 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	176.82	
			<i>For Up To 10, Add</i>	39.05	
			<i>For &gt;10 To 20, Add</i>	20.45	
			<i>For &gt;20 To 40, Add</i>	10.69	
			<i>For &gt;75 To 100, Deduct</i>	-5.34	
			<i>For &gt;100 To 200, Deduct</i>	-11.15	
			<i>For &gt;200, Deduct</i>	-16.49	
07 52 16 14-0006	SQ		90 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Mechanically Fastened .....	221.46	
			<i>For Up To 10, Add</i>	47.98	
			<i>For &gt;10 To 20, Add</i>	24.91	
			<i>For &gt;20 To 40, Add</i>	12.92	
			<i>For &gt;75 To 100, Deduct</i>	-6.46	
			<i>For &gt;100 To 200, Deduct</i>	-13.38	
			<i>For &gt;200, Deduct</i>	-19.84	
07 52 16 14-0007	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Or Ply Sheet, Mechanically Fastened .....	278.16	
			<i>For Up To 10, Add</i>	59.32	
			<i>For &gt;10 To 20, Add</i>	30.58	
			<i>For &gt;20 To 40, Add</i>	15.75	
			<i>For &gt;75 To 100, Deduct</i>	-7.88	
			<i>For &gt;100 To 200, Deduct</i>	-16.21	
			<i>For &gt;200, Deduct</i>	-24.09	
07 52 16 14-0008			<b>Mechanically Fastened, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing</b> <small>(07 52 16 14-0001)</small> .....	3.47	
07 52 16 14-0009	SF		150 Mil, Smooth Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened .....	3.47	
07 52 16 14-0010	SF		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Mechanically Fastened .....	3.55	
<b>07 52 16 15</b>			<b>Self-Adhering Styrene-Butadiene-Styrene Modified Bituminous Membrane Roofing</b> <small>(07 52 16)</small>		
07 52 16 15-0001			<b>Self-Adhering Styrene-Butadiene-Styrene (SBS) Modified Bituminous Membrane Roofing</b> <small>(07 52 16 15)</small> Note: Includes fiberglass and/or polyester reinforcement. Includes removing the release film(s) from the membrane and applying the membrane.		
07 52 16 15-0002			<b>Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Base, Ply And Cap Sheets</b> <small>(07 52 16 15-0001)</small>		
07 52 16 15-0003	SQ		60 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	142.06	
			<i>For Up To 10, Add</i>	32.85	
			<i>For &gt;10 To 20, Add</i>	17.53	
			<i>For &gt;20 To 40, Add</i>	9.32	
			<i>For &gt;75 To 100, Deduct</i>	-4.66	
			<i>For &gt;100 To 200, Deduct</i>	-9.87	
			<i>For &gt;200, Deduct</i>	-14.53	
07 52 16 15-0004	SQ		70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	150.57	
			<i>For Up To 10, Add</i>	34.55	
			<i>For &gt;10 To 20, Add</i>	18.38	
			<i>For &gt;20 To 40, Add</i>	9.75	
			<i>For &gt;75 To 100, Deduct</i>	-4.87	
			<i>For &gt;100 To 200, Deduct</i>	-10.30	
			<i>For &gt;200, Deduct</i>	-15.17	
07 52 16 15-0005	SQ		120 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Base Sheet, Self-Adhering .....	254.45	
			<i>For Up To 10, Add</i>	55.65	
			<i>For &gt;10 To 20, Add</i>	29.02	
			<i>For &gt;20 To 40, Add</i>	15.10	
			<i>For &gt;75 To 100, Deduct</i>	-7.55	
			<i>For &gt;100 To 200, Deduct</i>	-15.70	
			<i>For &gt;200, Deduct</i>	-23.25	
07 52 16 15-0006	SQ		150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering .....	304.31	
			<i>For Up To 10, Add</i>	65.63	
			<i>For &gt;10 To 20, Add</i>	34.00	
			<i>For &gt;20 To 40, Add</i>	17.60	
			<i>For &gt;75 To 100, Deduct</i>	-8.80	
			<i>For &gt;100 To 200, Deduct</i>	-18.19	
			<i>For &gt;200, Deduct</i>	-26.99	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	
07 52 16 15-0007	SQ		160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Cap Sheet, Self-Adhering .....	451.31	
			<i>For Up To 10, Add</i>	95.03	
			<i>For &gt;10 To 20, Add</i>	48.70	
			<i>For &gt;20 To 40, Add</i>	24.95	
			<i>For &gt;75 To 100, Deduct</i>	-12.47	
			<i>For &gt;100 To 200, Deduct</i>	-25.54	
			<i>For &gt;200, Deduct</i>	-38.02	
			<i>For Factory Applied White Reflective Surfacing, Add</i>	107.32	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 52 Modified Bituminous Membrane Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 52 16 15-0008 Self-Adhering, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Roofing Flashing** (07 52 16 15-0001)

07 52 16 15-0009	SF	70 Mil, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	3.98	
07 52 16 15-0010	SF	150 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	4.46	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	
07 52 16 15-0011	SF	160 Mil, Granule Surfaced, Styrene-Butadiene-Styrene (SBS) Modified Bitumen Flashing, Self-Adhering	5.93	
		<i>For Factory Applied White Reflective Surfacing, Add</i>	1.07	

**07 53 Elastomeric Membrane Roofing** (07 50)

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 53 16 Chlorosulfonate-Polyethylene Roofing** (07 53)**07 53 16 00-0001 Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membranes** (07 53 16)

Note: Includes hot air welding or adhesive bonding of seams.

07 53 16 00-0002	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Fully Adhered	615.78	88.66
		Note: Includes adhesive.		
		<i>For Up To 10, Add</i>	158.62	
		<i>For &gt;10 To 20, Add</i>	88.17	
		<i>For &gt;20 To 40, Add</i>	48.52	
		<i>For &gt;75 To 100, Deduct</i>	-24.26	
		<i>For &gt;100 To 200, Deduct</i>	-52.95	
		<i>For &gt;200, Deduct</i>	-77.21	
		<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0003	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Ballasted	475.00	44.33
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	112.73	
		<i>For &gt;10 To 20, Add</i>	60.80	
		<i>For &gt;20 To 40, Add</i>	32.62	
		<i>For &gt;75 To 100, Deduct</i>	-16.31	
		<i>For &gt;100 To 200, Deduct</i>	-34.83	
		<i>For &gt;200, Deduct</i>	-51.14	
		<i>For 15 Year Warranty, Add</i>	3.00	
07 53 16 00-0004	SQ	45 Mil, Single Ply Chlorosulfonated Polyethylene-Hypalon (CSPE) Roofing Membrane, Mechanically Fastened	503.20	66.50
		Note: Includes fasteners.		
		<i>For Up To 10, Add</i>	127.24	
		<i>For &gt;10 To 20, Add</i>	70.27	
		<i>For &gt;20 To 40, Add</i>	38.46	
		<i>For &gt;75 To 100, Deduct</i>	-19.23	
		<i>For &gt;100 To 200, Deduct</i>	-41.78	
		<i>For &gt;200, Deduct</i>	-61.01	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For Mechanically Fastened To Concrete Decks, Add</i>	33.25	
		<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	34.56	

**07 53 23 Ethylene-Propylene-Diene-Monomer Roofing** (07 53)**07 53 23 00-0001 Ethylene Propylene Diene Monomer (EPDM) Roofing Membranes** (07 53 23)

Note: Includes splicing of seams using adhesive or seam tape. Black ethylene propylene diene monomer (EPDM).

07 53 23 00-0002	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	321.82	44.33
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	82.10	
		<i>For &gt;10 To 20, Add</i>	45.48	
		<i>For &gt;20 To 40, Add</i>	24.96	
		<i>For &gt;75 To 100, Deduct</i>	-12.48	
		<i>For &gt;100 To 200, Deduct</i>	-27.17	
		<i>For &gt;200, Deduct</i>	-39.65	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For Low Slope Fire Rated, Add</i>	8.62	
		<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	32.63	
07 53 23 00-0003	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted	420.23	47.10
		Note: Includes ballast.		
		<i>For Up To 10, Add</i>	102.88	
		<i>For &gt;10 To 20, Add</i>	56.15	
		<i>For &gt;20 To 40, Add</i>	30.43	
		<i>For &gt;75 To 100, Deduct</i>	-15.22	
		<i>For &gt;100 To 200, Deduct</i>	-32.79	
		<i>For &gt;200, Deduct</i>	-48.00	
		<i>For 15 Year Warranty, Add</i>	3.00	
		<i>For 20 Year Warranty, Add</i>	7.00	
		<i>For 25 Year Warranty, Add</i>	9.00	
		<i>For Low Slope Fire Rated, Add</i>	8.62	
		<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	32.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 53 23 00-0004	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Ballasted ..... Note: Includes ballast.	571.96	49.87
			<i>For Up To 10, Add</i>	134.34	
			<i>For &gt;10 To 20, Add</i>	72.16	
			<i>For &gt;20 To 40, Add</i>	38.57	
			<i>For &gt;75 To 100, Deduct</i>	-19.29	
			<i>For &gt;100 To 200, Deduct</i>	-41.07	
			<i>For &gt;200, Deduct</i>	-60.35	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.62	
			<i>For 30 Year Warranty, Add</i>	11.00	
07 53 23 00-0005	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) ..... Note: Includes adhesive and fasteners.	385.30	66.50
			<i>For Up To 10, Add</i>	103.66	
			<i>For &gt;10 To 20, Add</i>	58.48	
			<i>For &gt;20 To 40, Add</i>	32.56	
			<i>For &gt;75 To 100, Deduct</i>	-16.28	
			<i>For &gt;100 To 200, Deduct</i>	-35.89	
			<i>For &gt;200, Deduct</i>	-52.17	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	8.62	
			<i>For Low VOC Adhesive, Add</i>	23.59	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	32.63	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	82.28	
			<i>For Integral Polyester Fleece-Backing, Add</i>	110.89	
07 53 23 00-0006	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) ..... Note: Includes adhesive and fasteners.	483.72	69.27
			<i>For Up To 10, Add</i>	124.45	
			<i>For &gt;10 To 20, Add</i>	69.15	
			<i>For &gt;20 To 40, Add</i>	38.04	
			<i>For &gt;75 To 100, Deduct</i>	-19.02	
			<i>For &gt;100 To 200, Deduct</i>	-41.50	
			<i>For &gt;200, Deduct</i>	-60.52	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.62	
			<i>For Low VOC Adhesive, Add</i>	23.59	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	32.63	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	82.28	
			<i>For Integral Polyester Fleece-Backing, Add</i>	123.54	
07 53 23 00-0007	SQ		90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Partially Adhered (40%) ..... Note: Includes adhesive and fasteners.	635.45	72.03
			<i>For Up To 10, Add</i>	155.90	
			<i>For &gt;10 To 20, Add</i>	85.16	
			<i>For &gt;20 To 40, Add</i>	46.18	
			<i>For &gt;75 To 100, Deduct</i>	-23.09	
			<i>For &gt;100 To 200, Deduct</i>	-49.78	
			<i>For &gt;200, Deduct</i>	-72.87	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.62	
			<i>For Low VOC Adhesive, Add</i>	23.59	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	82.28	
			<i>For Integral Polyester Fleece-Backing, Add</i>	137.33	
			<i>For 30 Year Warranty, Add</i>	11.00	
07 53 23 00-0008	SQ		45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered..... Note: Includes adhesive and fasteners.	507.79	88.66
			<i>For Up To 10, Add</i>	137.02	
			<i>For &gt;10 To 20, Add</i>	77.38	
			<i>For &gt;20 To 40, Add</i>	43.12	
			<i>For &gt;75 To 100, Deduct</i>	-21.56	
			<i>For &gt;100 To 200, Deduct</i>	-47.55	
			<i>For &gt;200, Deduct</i>	-69.11	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Low Slope Fire Rated, Add</i>	8.62	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	32.63	
			<i>For Low VOC Adhesive, Add</i>	58.98	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	82.28	
			<i>For Integral Polyester Fleece-Backing, Add</i>	110.89	
07 53 23 00-0009	SQ		60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered..... Note: Includes adhesive and fasteners.	606.22	91.43
			<i>For Up To 10, Add</i>	157.81	
			<i>For &gt;10 To 20, Add</i>	88.05	
			<i>For &gt;20 To 40, Add</i>	48.60	
			<i>For &gt;75 To 100, Deduct</i>	-24.30	
			<i>For &gt;100 To 200, Deduct</i>	-53.17	
			<i>For &gt;200, Deduct</i>	-77.47	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Low Slope Fire Rated, Add</i>	8.62	
			<i>For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add</i>	32.63	
			<i>For Low VOC Adhesive, Add</i>	58.98	
			<i>For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add</i>	82.28	
			<i>For Integral Polyester Fleece-Backing, Add</i>	123.54	

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 53 Elastomeric Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 53 23 00-0010	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Fully Adhered .....	757.95	94.19
		Note: Includes adhesive and fasteners.		
		For Up To 10, Add	189.27	
		For >10 To 20, Add	104.06	
		For >20 To 40, Add	56.74	
		For >75 To 100, Deduct	-28.37	
		For >100 To 200, Deduct	-61.45	
		For >200, Deduct	-89.82	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.62	
		For Low VOC Adhesive, Add	58.98	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	82.28	
		For Integral Polyester Fleece-Backing, Add	137.33	
		For 30 Year Warranty, Add	11.00	
07 53 23 00-0011	SQ	45 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	349.78	66.50
		Note: Includes fasteners.		
		For Up To 10, Add	96.55	
		For >10 To 20, Add	54.93	
		For >20 To 40, Add	30.79	
		For >75 To 100, Deduct	-15.39	
		For >100 To 200, Deduct	-34.11	
		For >200, Deduct	-49.51	
		For 15 Year Warranty, Add	3.00	
		For Low Slope Fire Rated, Add	8.62	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	82.28	
		For Mechanically Fastened To Concrete Decks, Add	33.25	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	34.56	
07 53 23 00-0012	SQ	60 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	448.20	69.27
		Note: Includes fasteners.		
		For Up To 10, Add	117.34	
		For >10 To 20, Add	65.60	
		For >20 To 40, Add	36.26	
		For >75 To 100, Deduct	-18.13	
		For >100 To 200, Deduct	-39.73	
		For >200, Deduct	-57.86	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.62	
		For Reinforced Ethylene Propylene Diene Monomer (EPDM), Add	32.63	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	82.28	
		For Mechanically Fastened To Concrete Decks, Add	34.63	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	35.94	
07 53 23 00-0013	SQ	90 Mil, Single Ply Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane, Mechanically Fastened .....	599.93	72.03
		Note: Includes fasteners.		
		For Up To 10, Add	148.80	
		For >10 To 20, Add	81.60	
		For >20 To 40, Add	44.40	
		For >75 To 100, Deduct	-22.20	
		For >100 To 200, Deduct	-48.01	
		For >200, Deduct	-70.21	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low Slope Fire Rated, Add	8.62	
		For White Ethylene Propylene Diene Monomer (EPDM) Or Factory Applied White Coating, Add	82.28	
		For 30 Year Warranty, Add	11.00	
		For Mechanically Fastened To Concrete Decks, Add	36.02	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	37.33	
07 53 23 00-0014		<b>Ethylene Propylene Diene Monomer (EPDM) Roofing Membrane Accessories</b> <small>(07 53 23)</small>		
07 53 23 00-0015	SQ	Acrylic, Ethylene Propylene Diene Monomer (EPDM) Roofing Primer, Price Per Coat .....	72.62	
		For Up To 10, Add	18.96	
		For >10 To 20, Add	10.59	
		For >20 To 40, Add	5.85	
		For >75 To 100, Deduct	-2.92	
		For >100 To 200, Deduct	-6.40	
		For >200, Deduct	-9.33	
07 53 23 00-0016	SQ	Acrylic Elastomeric, Surface Or Base Coating For Ethylene Propylene Diene Monomer (EPDM) Roofing, Price Per Coat .....	75.14	
		Note: 55% solids by volume.		
		For Up To 10, Add	19.46	
		For >10 To 20, Add	10.84	
		For >20 To 40, Add	5.97	
		For >75 To 100, Deduct	-2.99	
		For >100 To 200, Deduct	-6.53	
		For >200, Deduct	-9.52	
07 53 23 00-0017	EA	Up To 4" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	45.55	10.53
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0018	EA	>4" To 8" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	65.46	10.53
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0019	EA	>8" To 13" Pipe Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Pipe Cone/Boot.....	122.91	10.53
		Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 53 23 00-0020	EA	6" Diameter, Prefabricated Ethylene Propylene Diene Monomer (EPDM) Penetration Pocket.....	163.14	11.63
		Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 53 23 00-0021	LF		30" Wide, Ethylene Propylene Diene Monomer (EPDM) Walkway Protection Pad ..... Note: Includes factory installed peel and stick adhesive tape.	35.51	6.42
07 53 23 00-0022	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Base Flashing .....	6.72	1.66
07 53 23 00-0023	SF		Ethylene Propylene Diene Monomer (EPDM) Membrane Curb Flashing .....	8.38	2.49

**07 53 29 Polyisobutylene Roofing (07 53)**

**07 53 29 00-0001 Polyisobutylene (PIB) Roofing Membranes (07 53 29)**

Note: Includes integral polyester fleece-backing. Includes splicing of seams using adhesive or seam tape.

07 53 29 00-0002	SQ		100 Mil, Single Ply PIB Roofing Membrane, Ballasted ..... Note: Includes ballast.	529.49	49.87
			<i>For Up To 10, Add</i>	125.85	
			<i>For &gt;10 To 20, Add</i>	67.91	
			<i>For &gt;20 To 40, Add</i>	36.45	
			<i>For &gt;75 To 100, Deduct</i>	-18.22	
			<i>For &gt;100 To 200, Deduct</i>	-38.94	
			<i>For &gt;200, Deduct</i>	-57.17	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0003	SQ		100 Mil, Single Ply PIB Roofing Membrane, Partially Adhered (40%) ..... Note: Includes adhesive.	590.41	72.03
			<i>For Up To 10, Add</i>	146.90	
			<i>For &gt;10 To 20, Add</i>	80.65	
			<i>For &gt;20 To 40, Add</i>	43.93	
			<i>For &gt;75 To 100, Deduct</i>	-21.96	
			<i>For &gt;100 To 200, Deduct</i>	-47.53	
			<i>For &gt;200, Deduct</i>	-69.49	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
07 53 29 00-0004	SQ		100 Mil, Single Ply PIB Roofing Membrane, Fully Adhered ..... Note: Includes adhesive.	709.07	94.19
			<i>For Up To 10, Add</i>	179.49	
			<i>For &gt;10 To 20, Add</i>	99.17	
			<i>For &gt;20 To 40, Add</i>	54.29	
			<i>For &gt;75 To 100, Deduct</i>	-27.15	
			<i>For &gt;100 To 200, Deduct</i>	-59.00	
			<i>For &gt;200, Deduct</i>	-86.15	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	

**07 54 Thermoplastic Membrane Roofing (07 50)**

Note: Includes 10 year warranty. All warranties are no dollar limit to include material, equipment and labor. Excludes concrete primer, insulation, slip sheets, wood nailers, cant strips, coping removal and reinstallation, gravel stop, walkway pads and drainage devices. See CSI section 07 26 13 00-0000 for wood deck building paper.

**07 54 19 Polyvinyl-Chloride Roofing (07 54)**

**07 54 19 00-0001 Reinforced Polyvinyl Chloride (RPVC) Roofing Membranes (07 54 19)**

Note: Includes polyester fabric reinforcement and hot air welding of seams. RPVC membranes meet or exceed all of the requirements of ASTM D4434 Type III.

07 54 19 00-0002	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted ..... Note: Includes ballast.	200.84	44.33
			<i>For Up To 10, Add</i>	57.90	
			<i>For &gt;10 To 20, Add</i>	33.38	
			<i>For &gt;20 To 40, Add</i>	18.91	
			<i>For &gt;75 To 100, Deduct</i>	-9.45	
			<i>For &gt;100 To 200, Deduct</i>	-21.12	
			<i>For &gt;200, Deduct</i>	-30.58	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Colors, Add</i>	26.00	
			<i>For Integral Polyester Fleece-Backing, Add</i>	27.13	
07 54 19 00-0003	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted ..... Note: Includes ballast.	220.56	47.10
			<i>For Up To 10, Add</i>	62.95	
			<i>For &gt;10 To 20, Add</i>	36.18	
			<i>For &gt;20 To 40, Add</i>	20.45	
			<i>For &gt;75 To 100, Deduct</i>	-10.22	
			<i>For &gt;100 To 200, Deduct</i>	-22.80	
			<i>For &gt;200, Deduct</i>	-33.03	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Colors, Add</i>	26.00	
			<i>For Integral Polyester Fleece-Backing, Add</i>	27.13	

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 54 Thermoplastic Membrane Roofing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

07 54 19 00-0004	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	241.47	48.49
		Note: Includes ballast.		
		For Up To 10, Add	67.69	
		For >10 To 20, Add	38.69	
		For >20 To 40, Add	21.77	
		For >75 To 100, Deduct	-10.89	
		For >100 To 200, Deduct	-24.19	
		For >200, Deduct	-35.08	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	27.13	
07 54 19 00-0005	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Ballasted .....	252.12	49.87
		Note: Includes ballast.		
		For Up To 10, Add	70.37	
		For >10 To 20, Add	40.17	
		For >20 To 40, Add	22.58	
		For >75 To 100, Deduct	-11.29	
		For >100 To 200, Deduct	-25.07	
		For >200, Deduct	-36.36	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Integral Polyester Fleece-Backing, Add	27.13	
07 54 19 00-0006	SQ	48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered .....	417.29	88.66
		Note: Includes adhesive.		
		For Up To 10, Add	118.92	
		For >10 To 20, Add	68.33	
		For >20 To 40, Add	38.60	
		For >75 To 100, Deduct	-19.30	
		For >100 To 200, Deduct	-43.03	
		For >200, Deduct	-62.33	
		For 15 Year Warranty, Add	3.00	
		For Colors, Add	26.00	
		For Low VOC Adhesive, Add	87.43	
		For Integral Polyester Fleece-Backing, Add	27.13	
07 54 19 00-0007	SQ	60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered .....	437.02	91.43
		Note: Includes adhesive.		
		For Up To 10, Add	123.97	
		For >10 To 20, Add	71.13	
		For >20 To 40, Add	40.14	
		For >75 To 100, Deduct	-20.07	
		For >100 To 200, Deduct	-44.71	
		For >200, Deduct	-64.78	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Low VOC Adhesive, Add	87.43	
		For Integral Polyester Fleece-Backing, Add	27.13	
07 54 19 00-0008	SQ	72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered .....	457.93	92.81
		Note: Includes adhesive.		
		For Up To 10, Add	128.71	
		For >10 To 20, Add	73.64	
		For >20 To 40, Add	41.46	
		For >75 To 100, Deduct	-20.73	
		For >100 To 200, Deduct	-46.10	
		For >200, Deduct	-66.83	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Low VOC Adhesive, Add	87.43	
		For Integral Polyester Fleece-Backing, Add	27.13	
07 54 19 00-0009	SQ	80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Fully Adhered .....	468.58	94.19
		Note: Includes adhesive.		
		For Up To 10, Add	131.40	
		For >10 To 20, Add	75.12	
		For >20 To 40, Add	42.27	
		For >75 To 100, Deduct	-21.13	
		For >100 To 200, Deduct	-46.98	
		For >200, Deduct	-68.11	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Colors, Add	26.00	
		For Low VOC Adhesive, Add	87.43	
		For Integral Polyester Fleece-Backing, Add	27.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 19 00-0010	SQ		48 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened ..... Note: Includes fasteners.	220.62	66.50
			<i>For Up To 10, Add</i>	70.72	
			<i>For &gt;10 To 20, Add</i>	42.01	
			<i>For &gt;20 To 40, Add</i>	24.33	
			<i>For &gt;75 To 100, Deduct</i>	-12.16	
			<i>For &gt;100 To 200, Deduct</i>	-27.65	
			<i>For &gt;200, Deduct</i>	-39.82	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For Colors, Add</i>	26.00	
			<i>For Integral Polyester Fleece-Backing, Add</i>	27.13	
			<i>For Mechanically Fastened To Concrete Decks, Add</i>	33.25	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	34.56	
07 54 19 00-0011	SQ		60 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened ..... Note: Includes fasteners.	240.35	69.27
			<i>For Up To 10, Add</i>	75.77	
			<i>For &gt;10 To 20, Add</i>	44.81	
			<i>For &gt;20 To 40, Add</i>	25.87	
			<i>For &gt;75 To 100, Deduct</i>	-12.93	
			<i>For &gt;100 To 200, Deduct</i>	-29.33	
			<i>For &gt;200, Deduct</i>	-42.27	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Colors, Add</i>	26.00	
			<i>For Integral Polyester Fleece-Backing, Add</i>	27.13	
			<i>For Mechanically Fastened To Concrete Decks, Add</i>	34.63	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	35.94	
07 54 19 00-0012	SQ		72 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened ..... Note: Includes fasteners.	261.26	70.65
			<i>For Up To 10, Add</i>	80.51	
			<i>For &gt;10 To 20, Add</i>	47.32	
			<i>For &gt;20 To 40, Add</i>	27.19	
			<i>For &gt;75 To 100, Deduct</i>	-13.60	
			<i>For &gt;100 To 200, Deduct</i>	-30.73	
			<i>For &gt;200, Deduct</i>	-44.32	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Colors, Add</i>	26.00	
			<i>For Integral Polyester Fleece-Backing, Add</i>	27.13	
			<i>For Mechanically Fastened To Concrete Decks, Add</i>	35.33	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	36.64	
07 54 19 00-0013	SQ		80 Mil, Single Ply Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane, Mechanically Fastened ..... Note: Includes fasteners.	271.91	72.03
			<i>For Up To 10, Add</i>	83.20	
			<i>For &gt;10 To 20, Add</i>	48.80	
			<i>For &gt;20 To 40, Add</i>	28.00	
			<i>For &gt;75 To 100, Deduct</i>	-14.00	
			<i>For &gt;100 To 200, Deduct</i>	-31.60	
			<i>For &gt;200, Deduct</i>	-45.61	
			<i>For 15 Year Warranty, Add</i>	3.00	
			<i>For 20 Year Warranty, Add</i>	7.00	
			<i>For 25 Year Warranty, Add</i>	9.00	
			<i>For Colors, Add</i>	26.00	
			<i>For Integral Polyester Fleece-Backing, Add</i>	27.13	
			<i>For Mechanically Fastened To Concrete Decks, Add</i>	36.02	
			<i>For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add</i>	37.33	
07 54 19 00-0014			<b>Reinforced Polyvinyl Chloride (RPVC) Roofing Membrane Accessories (07 54 19)</b>		
07 54 19 00-0015	SQ		Acrylic, Polyvinyl Chloride (PVC) Roofing Cleaner/Primer, Price Per Coat ..... <i>For Up To 10, Add</i>	72.62	
			<i>For &gt;10 To 20, Add</i>	18.96	
			<i>For &gt;20 To 40, Add</i>	10.59	
			<i>For &gt;75 To 100, Deduct</i>	5.85	
			<i>For &gt;100 To 200, Deduct</i>	-2.92	
			<i>For &gt;200, Deduct</i>	-6.40	
			<i>For &gt;200, Deduct</i>	-9.33	
07 54 19 00-0016	SQ		Acrylic Elastomeric, Surface Or Base Coating For Polyvinyl Chloride (PVC) Roofing, Price Per Coat ..... Note: 55% solids by volume.	75.14	
			<i>For Up To 10, Add</i>	19.46	
			<i>For &gt;10 To 20, Add</i>	10.84	
			<i>For &gt;20 To 40, Add</i>	5.97	
			<i>For &gt;75 To 100, Deduct</i>	-2.99	
			<i>For &gt;100 To 200, Deduct</i>	-6.53	
			<i>For &gt;200, Deduct</i>	-9.52	
07 54 19 00-0017	EA		Up To 3" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot ..... Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	75.95	9.42
07 54 19 00-0018	EA		>3" To 7" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot ..... Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	106.76	10.53
07 54 19 00-0019	EA		>7" To 12" Pipe Diameter, Prefabricated Polyvinyl Chloride (PVC) Pipe Cone/Boot ..... Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.	136.66	11.63
07 54 19 00-0020	EA		6" Diameter, Prefabricated Polyvinyl Chloride (PVC) Penetration Pocket ..... Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.	174.05	11.63
07 54 19 00-0021	LF		36" Wide, Polyvinyl Chloride (PVC) Walkway Protection Pad .....	30.37	6.42
07 54 19 00-0022	SF		Polyvinyl Chloride (PVC) Membrane Base Flashing .....	8.02	1.66
07 54 19 00-0023	SF		Polyvinyl Chloride (PVC) Membrane Curb Flashing .....	9.68	2.49
07 54 19 00-0024	SF		Polyvinyl Chloride (PVC) Clad Edge Metal Or Base Flashing ..... Note: 20 Mil polyvinyl chloride (PVC) membrane laminated to 24 gauge galvanized steel.	10.87	1.66

## 07 Thermal And Moisture Protection

## 07 50 Membrane Roofing

## 07 54 Thermoplastic Membrane Roofing

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 07 54 23 Thermoplastic-Polyolefin Roofing (07 54)

## 07 54 23 00-0001 Thermoplastic Polyolefin (TPO) Roofing Membranes (07 54 23)

Note: Includes polyester fabric reinforcement and hot air welding of seams.

07 54 23 00-0002	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered .....	460.49	88.66
		Note: Includes adhesive.		
		For Up To 10, Add	127.56	
		For >10 To 20, Add	72.65	
		For >20 To 40, Add	40.76	
		For >75 To 100, Deduct	-20.38	
		For >100 To 200, Deduct	-45.19	
		For >200, Deduct	-65.57	
		For 15 Year Warranty, Add	3.00	
		For Low VOC Adhesive, Add	58.98	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0003	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered .....	493.59	91.43
		Note: Includes adhesive.		
		For Up To 10, Add	135.29	
		For >10 To 20, Add	76.79	
		For >20 To 40, Add	42.96	
		For >75 To 100, Deduct	-21.48	
		For >100 To 200, Deduct	-47.54	
		For >200, Deduct	-69.02	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	58.98	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0004	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Fully Adhered .....	640.78	94.19
		Note: Includes adhesive.		
		For Up To 10, Add	165.84	
		For >10 To 20, Add	92.34	
		For >20 To 40, Add	50.88	
		For >75 To 100, Deduct	-25.44	
		For >100 To 200, Deduct	-55.59	
		For >200, Deduct	-81.03	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Low VOC Adhesive, Add	58.98	
		For Integral Polyester Fleece-Backing, Add	33.25	
07 54 23 00-0005	SQ	45 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened .....	305.16	66.50
		Note: Includes fasteners.		
		For Up To 10, Add	87.63	
		For >10 To 20, Add	50.46	
		For >20 To 40, Add	28.56	
		For >75 To 100, Deduct	-14.28	
		For >100 To 200, Deduct	-31.88	
		For >200, Deduct	-46.16	
		For 15 Year Warranty, Add	3.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	33.25	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	34.56	
07 54 23 00-0006	SQ	60 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened .....	338.26	69.27
		Note: Includes fasteners.		
		For Up To 10, Add	95.36	
		For >10 To 20, Add	54.60	
		For >20 To 40, Add	30.77	
		For >75 To 100, Deduct	-15.38	
		For >100 To 200, Deduct	-34.23	
		For >200, Deduct	-49.61	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	34.63	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	35.94	
07 54 23 00-0007	SQ	80 Mil, Single Ply Thermoplastic Polyolefin (TPO) Roofing Membrane, Mechanically Fastened .....	485.45	72.03
		Note: Includes fasteners.		
		For Up To 10, Add	125.90	
		For >10 To 20, Add	70.16	
		For >20 To 40, Add	38.68	
		For >75 To 100, Deduct	-19.34	
		For >100 To 200, Deduct	-42.28	
		For >200, Deduct	-61.62	
		For 15 Year Warranty, Add	3.00	
		For 20 Year Warranty, Add	7.00	
		For 25 Year Warranty, Add	9.00	
		For Integral Polyester Fleece-Backing, Add	33.25	
		For Mechanically Fastened To Concrete Decks, Add	36.02	
		For Mechanically Fastened To Cementitious Wood Fiber Or Gypsum Decks, Add	37.33	

## 07 54 23 00-0008 Thermoplastic Polyolefin (TPO) Roofing Membrane Accessories (07 54 23)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 54 23 00-0009 SQ Acrylic, Thermoplastic Polyolefin (TPO) Roofing Primer, Price Per Coat .....	86.49	
<i>For Up To 10, Add</i>	21.73	
<i>For &gt;10 To 20, Add</i>	11.97	
<i>For &gt;20 To 40, Add</i>	6.54	
<i>For &gt;75 To 100, Deduct</i>	-3.27	
<i>For &gt;100 To 200, Deduct</i>	-7.10	
<i>For &gt;200, Deduct</i>	-10.37	
07 54 23 00-0010 SQ Acrylic Elastomeric, Surface Or Base Coating For Thermoplastic Polyolefin (TPO) Roofing, Price Per Coat .....	75.14	
Note: 55% solids by volume.		
<i>For Up To 10, Add</i>	19.46	
<i>For &gt;10 To 20, Add</i>	10.84	
<i>For &gt;20 To 40, Add</i>	5.97	
<i>For &gt;75 To 100, Deduct</i>	-2.99	
<i>For &gt;100 To 200, Deduct</i>	-6.53	
<i>For &gt;200, Deduct</i>	-9.52	
<i>For Tan Or Gray Color, Add</i>	2.65	
07 54 23 00-0011 EA Up To 3" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot .....	65.35	9.42
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0012 EA >3" To 8" Pipe Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Pipe Cone/Boot .....	70.51	10.53
Note: Includes attaching the boot to the membrane, caulking around the pipe and installing a draw band.		
07 54 23 00-0013 EA 6" Diameter, Prefabricated Thermoplastic Polyolefin (TPO) Penetration Pocket .....	129.92	11.63
Note: Includes attaching the pocket to the membrane, sealing around the penetration and filling the pocket with pourable sealer.		
07 54 23 00-0014 LF 30" Wide, Thermoplastic Polyolefin (TPO) Walkway Protection Pad .....	29.99	6.42
07 54 23 00-0015 SF Thermoplastic Polyolefin (TPO) Membrane Base Flashing .....	8.38	1.66
07 54 23 00-0016 SF Thermoplastic Polyolefin (TPO) Curb Flashing .....	7.17	1.66
<i>For Tan Or Gray Color, Add</i>	0.11	
07 54 23 00-0017 SF Thermoplastic Polyolefin (TPO) Clad Edge Metal Or Base Flashing .....	12.33	1.66
Note: 20 Mil TPO membrane laminated to 24 gauge galvanized steel.		

**07 55 Protected Membrane Roofing** (07 50)

**07 55 52 Modified Bituminous Protected Membrane Roofing** (07 55)

**07 55 52 13 Atactic-Polypropylene Modified Bituminous Protected Membrane Roofing** (07 55 52)

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 13 00-0000 for atactic-polypropylene modified bituminous membrane roofing.

**07 55 52 16 Styrene-Butadiene-Styrene Modified Bituminous Protected Membrane Roofing** (07 55 52)

See CSI section 07 22 16 00-0000 for roof board insulation, 07 51 13 00-0039 for gravel roof ballast, 07 52 16 00-0000 for styrene-butadiene-styrene modified bituminous membrane roofing.

**07 56 Fluid-Applied Roofing** (07 50)

**07 56 00 00-0001 Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) FRoofing** (07 56)

07 56 00 00-0002 SQ Rubber - Liquid-Applied Thermoplastic, Styrene-Butadiene-Styrene (SBS) For Metal .....	483.25	
07 56 00 00-0003 SQ Rubberized Aluminum - Coating (Non-Asphaltic) .....	311.32	
07 56 00 00-0004 SQ Rubberized Aluminum - Coating (Asphaltic) .....	385.56	

**07 56 00 00-0005 Neoprene Hypalon Liquid Roofing, 5 Coats** (07 56)

07 56 00 00-0006 SQ 60 Mil 5 Coat Spray-on Neoprene Hypalon Liquid Roofing .....	1,046.85	146.67
<i>For Each Additional Coat, Add</i>	157.03	

**07 56 00 00-0007 Vinyl Spray Liquid Roofing** (07 56)

07 56 00 00-0008 SQ 2 Mil Vinyl Liquid Roofing .....	1,251.52	154.57
07 56 00 00-0009 SQ 4 Mil Vinyl Liquid Roofing .....	1,400.56	172.61

**07 56 00 00-0010 Silicone Elastomeric Liquid Roofing** (07 56)

07 56 00 00-0011 SQ 65% Solids, Silicone Elastomeric Spray-on Roofing, 3 Coats, 16 Mil Per Coat .....	454.43	88.56
07 56 00 00-0012 SQ 65% Solids, Silicone Elastomeric Rolled-on Roofing, 3 Coats, 16 Mil Per Coat .....	540.27	88.56
07 56 00 00-0013 SQ 65% Solids, Silicone Elastomeric Brushed-on Roofing, 3 Coats, 16 Mil Per Coat .....	604.83	88.56

**07 56 00 00-0014 Elastomeric Asphalt/Urethane Liquid Roofing Membrane** (07 56)

07 56 00 00-0015 SQ 90 Mil, Elastomeric Asphalt/Urethane Liquid Roofing Membrane .....	1,807.33	88.56
Note: Includes applying a 30 mil base coat, rolling in a stitchbonded polyester reinforcing scrim and applying a 60 mil second coat.		

**07 56 00 00-0016 Urethane Liquid Roofing Membrane** (07 56)

Note: Garland White Knight Energy Star single component urethane restoration system. 10 year warranty. Used for restoration of membrane, built up, metal and modified roofing systems.

07 56 00 00-0017 SQ Ulti-Mat™ 38" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems .....	99.60	
07 56 00 00-0018 LF Ulti-Mat™ 6" Non-Woven Fiberglass Reinforcing Membrane For White-Knight Systems .....	5.27	
07 56 00 00-0019 SQ White-Knight® Premium Multi-Purpose Urethane Restoration Reflective Coating For Metal, Membrane, BUR, Single-Ply (2 GAL/SQ) .....	380.27	
07 56 00 00-0020 SQ White-Knight® Metal Primer One Component Metal Primer For Placement Under The White-Knight System .....	97.69	
07 56 00 00-0021 SQ White-Knight® Plus High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply .....	939.83	
07 56 00 00-0022 SQ White-Knight® Plus Base Coat High Strength, Multi-Purpose Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply .....	1,422.01	

**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 56 Fluid-Applied Roofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 56 00 00-0023	SQ	White-Knight® Plus WC High Strength, Multi-Purpose, VOC Compliant, Urethane Restoration Coating For Metal, Membrane, BUR, Single-Ply .....	972.34	
07 56 00 00-0024	SQ	White-Star Premium, White Polyurea Restoration Adhesive For Mineral And Smooth Modified And BUR (2 GAL/SQ) .....	250.00	

**07 57 Coated Foamed Roofing** (07 50)**07 57 13 Sprayed Polyurethane Foam Roofing** (07 57)

Note: Includes power washing. Excludes ballast removal and priming metal surfaces. Excludes walkways.

07 57 13 00-0001		Sprayed Polyurethane Foam Roofing Systems (07 57 13)		
07 57 13 00-0002		Sprayed Polyurethane Foam Roofing Systems With Acrylic Elastomeric Coating (07 57 13 00-0001)		
07 57 13 00-0003		Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
		Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0004	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	369.46	53.73
07 57 13 00-0005	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	444.28	57.57
07 57 13 00-0006	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	519.12	61.41
07 57 13 00-0007	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	601.44	65.25
07 57 13 00-0008	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	683.75	69.08
07 57 13 00-0009	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	751.08	72.92
07 57 13 00-0010	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	818.41	76.76
07 57 13 00-0011	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	893.25	80.60
07 57 13 00-0012	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	968.07	84.44
07 57 13 00-0013	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,042.89	88.28
07 57 13 00-0014	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 28 Mil Acrylic Elastomeric Coating.....	1,117.71	92.11
07 57 13 00-0015		Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
		Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0016	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	381.13	53.73
07 57 13 00-0017	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	455.95	57.57
07 57 13 00-0018	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	530.78	61.41
07 57 13 00-0019	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	605.60	65.25
07 57 13 00-0020	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	680.42	69.08
07 57 13 00-0021	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	755.24	72.92
07 57 13 00-0022	SQ	4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	830.08	76.76
07 57 13 00-0023	SQ	4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	904.91	80.60
07 57 13 00-0024	SQ	5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	979.73	84.44
07 57 13 00-0025	SQ	5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,054.55	88.28
07 57 13 00-0026	SQ	6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 32 Mil Acrylic Elastomeric Coating.....	1,129.37	92.11
07 57 13 00-0027		Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating (07 57 13 00-0002)		
		Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with acrylic elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0028	SQ	1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	409.45	53.73
07 57 13 00-0029	SQ	1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	481.77	57.57
07 57 13 00-0030	SQ	2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	554.10	61.41
07 57 13 00-0031	SQ	2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	628.93	65.25
07 57 13 00-0032	SQ	3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	703.75	69.08
07 57 13 00-0033	SQ	3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating.....	809.73	72.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0034	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	915.71	76.76
07 57 13 00-0035	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	996.88	80.60
07 57 13 00-0036	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	1,078.03	84.44
07 57 13 00-0037	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	1,159.18	88.28
07 57 13 00-0038	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 40 Mil Acrylic Elastomeric Coating .....	1,240.34	92.11
07 57 13 00-0039			<b>Sprayed Polyurethane Foam Roofing Systems With Silicone Elastomeric Coating</b> <small>(07 57 13 00-0001)</small>		
07 57 13 00-0040			<b>Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 5 year warranty.		
07 57 13 00-0041	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	417.78	53.73
07 57 13 00-0042	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	498.93	57.57
07 57 13 00-0043	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	580.10	61.41
07 57 13 00-0044	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	661.25	65.25
07 57 13 00-0045	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	742.40	69.08
07 57 13 00-0046	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	823.55	72.92
07 57 13 00-0047	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	904.72	76.76
07 57 13 00-0048	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	985.88	80.60
07 57 13 00-0049	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	1,067.03	84.44
07 57 13 00-0050	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	1,148.19	88.28
07 57 13 00-0051	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 20 Mil Silicone Elastomeric Coating .....	1,229.34	92.11
07 57 13 00-0052			<b>Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 10 year warranty.		
07 57 13 00-0053	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	434.27	53.73
07 57 13 00-0054	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	515.43	57.57
07 57 13 00-0055	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	596.59	61.41
07 57 13 00-0056	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	677.74	65.25
07 57 13 00-0057	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	758.90	69.08
07 57 13 00-0058	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	840.05	72.92
07 57 13 00-0059	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	921.21	76.76
07 57 13 00-0060	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	1,002.37	80.60
07 57 13 00-0061	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	1,083.53	84.44
07 57 13 00-0062	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	1,164.68	88.28
07 57 13 00-0063	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 22 Mil Silicone Elastomeric Coating .....	1,245.83	92.11
07 57 13 00-0064			<b>Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating</b> <small>(07 57 13 00-0039)</small> Note: Includes UL 790 fire rated 2.8 LB density polyurethane foam roofing system with 65% solids silicone elastomeric coating. Includes 15 year warranty.		
07 57 13 00-0065	SQ		1" Thick, R6.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	447.10	53.73
07 57 13 00-0066	SQ		1-1/2" Thick, R9.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	528.26	57.57
07 57 13 00-0067	SQ		2" Thick, R13.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	609.42	61.41
07 57 13 00-0068	SQ		2-1/2" Thick, R16.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	690.57	65.25
07 57 13 00-0069	SQ		3" Thick, R19.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	771.72	69.08
07 57 13 00-0070	SQ		3-1/2" Thick, R22.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating .....	852.88	72.92



**07 Thermal And Moisture Protection****07 50 Membrane Roofing****07 57 Coated Foamed Roofing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 57 13 00-0071	SQ		4" Thick, R26.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	934.04	76.76
07 57 13 00-0072	SQ		4-1/2" Thick, R29.25, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,015.20	80.60
07 57 13 00-0073	SQ		5" Thick, R32.5, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,096.36	84.44
07 57 13 00-0074	SQ		5-1/2" Thick, R35.75, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,177.51	88.28
07 57 13 00-0075	SQ		6" Thick, R39.0, 2.8 PCF, Closed Cell, Sprayed Polyurethane Foam Roofing System With 25 Mil Silicone Elastomeric Coating.....	1,258.66	92.11

**07 58 Roll Roofing** (07 50)

07 58 00 00-0001			Prepared Roll Roofing (07 58) Note: Fastened with roofing nails and roofing cement. Includes fasteners and adhesive. Excludes warranty. See CSI section 07 51 13 00-0033 for underlayment.		
07 58 00 00-0002	SQ		Granule Surfaced, 90 LB, Asphalt Saturated Organic Felt Roll Roofing.....	253.86	34.42

**07 59 Membrane Roofing Termination Bar** (07 50)

07 59 00 00-0001			Membrane Roofing Termination Bar (07 59)		
07 59 00 00-0002	LF		Membrane Roofing Termination Bar..... Note: Includes fasteners and caulking.	5.06	1.58

**07 60 Flashing and Sheet Metal** (07)**07 61 Sheet Metal Roofing** (07 60)**07 61 13 Standing Seam Sheet Metal Roofing** (07 61)

07 61 13 00-0001			Standing Seam Concealed Fastener Roofing (07 61 13)		
07 61 13 00-0002			Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0003	SF		Architectural 16 Ounce Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	37.73 2.36 1.38 3.34 9.43 5.66 0.94	3.93
07 61 13 00-0004	SF		Architectural 18 Ounce Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	41.30 2.55 1.51 3.64 10.33 6.20 1.03	4.26
07 61 13 00-0005	SF		Architectural 20 Ounce Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add	48.63 2.79 1.72 4.15 12.16 7.29 1.22	4.64
07 61 13 00-0006			Zinc/Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)		
07 61 13 00-0007	SF		0.020" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	44.06 2.55 1.56 3.78 11.02 6.61 1.10 -0.71	4.26
07 61 13 00-0008	SF		0.027" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	53.32 2.66 1.78 4.31 13.33 8.00 1.33 -0.89	4.44
07 61 13 00-0009	SF		0.032" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing..... For Steep Roof, Over 6 To 12, Add For 140 MPH Wind Load, Add For Panels <16" Wide, Add For Up To 1,500, Add For >1,500 To 5,000, Add For >5,000 To 10,000, Add For Tin/Copper, Deduct	60.58 2.79 1.95 4.75 15.15 9.09 1.51 -1.03	4.64



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 61 13 00-0010	SF		0.040" Thick, Zinc/Copper Standing Seam Concealed Fastener Roofing.....	75.88	4.87
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.92	
			<i>For 140 MPH Wind Load, Add</i>	2.30	
			<i>For Panels &lt;16" Wide, Add</i>	5.59	
			<i>For Up To 1,500, Add</i>	18.97	
			<i>For &gt;1,500 To 5,000, Add</i>	11.38	
			<i>For &gt;5,000 To 10,000, Add</i>	1.90	
			<i>For Tin/Copper, Deduct</i>	-1.32	

**07 61 13 00-0011 Accessories For Copper Standing Seam Concealed Fastener Roofing (07 61 13 00-0001)**

07 61 13 00-0012	LF		Ridge Flashing For Copper Standing Seam Concealed Fastener Roofing.....	157.88	8.12
			<i>For Steep Roof, Over 6 To 12, Add</i>	6.09	
			<i>For 140 MPH Wind Load, Add</i>	4.78	
07 61 13 00-0013	LF		Eave Flashing For Copper Standing Seam Concealed Fastener Roofing.....	91.25	8.12
			<i>For Steep Roof, Over 6 To 12, Add</i>	6.09	
			<i>For 140 MPH Wind Load, Add</i>	3.45	
07 61 13 00-0014	LF		Valley Flashing For Copper Standing Seam Concealed Fastener Roofing.....	220.87	8.12
			<i>For Steep Roof, Over 6 To 12, Add</i>	6.09	
			<i>For 140 MPH Wind Load, Add</i>	6.04	
07 61 13 00-0015	LF		Hip Flashing For Copper Standing Seam Concealed Fastener Roofing.....	162.86	8.12
			<i>For Steep Roof, Over 6 To 12, Add</i>	6.09	
			<i>For 140 MPH Wind Load, Add</i>	4.88	

**07 61 16 Batten Seam Sheet Metal Roofing (07 61)**

**07 61 16 00-0001 Copper Batten Seam Concealed Fastener Roofing (07 61 16)**

**07 61 16 00-0002 Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)**

07 61 16 00-0003	SF		16 Ounce Copper Batten Seam Concealed Fastener Roofing.....	46.44	4.64
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.78	
			<i>For 140 MPH Wind Load, Add</i>	1.67	
			<i>For Panels &lt;16" Wide, Add</i>	4.04	
			<i>For Up To 1,500, Add</i>	11.61	
			<i>For &gt;1,500 To 5,000, Add</i>	6.97	
			<i>For &gt;5,000 To 10,000, Add</i>	1.16	
07 61 16 00-0004	SF		18 Ounce Copper Batten Seam Concealed Fastener Roofing.....	51.28	4.88
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.93	
			<i>For 140 MPH Wind Load, Add</i>	1.81	
			<i>For Panels &lt;16" Wide, Add</i>	4.37	
			<i>For Up To 1,500, Add</i>	12.82	
			<i>For &gt;1,500 To 5,000, Add</i>	7.69	
			<i>For &gt;5,000 To 10,000, Add</i>	1.28	
07 61 16 00-0005	SF		20 Ounce Copper Batten Seam Concealed Fastener Roofing.....	59.76	5.11
			<i>For Steep Roof, Over 6 To 12, Add</i>	3.07	
			<i>For 140 MPH Wind Load, Add</i>	2.01	
			<i>For Panels &lt;16" Wide, Add</i>	4.88	
			<i>For Up To 1,500, Add</i>	14.94	
			<i>For &gt;1,500 To 5,000, Add</i>	8.96	
			<i>For &gt;5,000 To 10,000, Add</i>	1.49	

**07 61 16 00-0006 Zinc/Copper Batten Seam Concealed Fastener Roofing (07 61 16 00-0001)**

07 61 16 00-0007	SF		0.020" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	47.12	4.26
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.55	
			<i>For 140 MPH Wind Load, Add</i>	1.62	
			<i>For Panels &lt;16" Wide, Add</i>	3.93	
			<i>For Up To 1,500, Add</i>	11.78	
			<i>For &gt;1,500 To 5,000, Add</i>	7.07	
			<i>For &gt;5,000 To 10,000, Add</i>	1.18	
			<i>For Tin/Copper, Deduct</i>	-0.77	
07 61 16 00-0008	SF		0.027" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	57.70	4.44
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.67	
			<i>For 140 MPH Wind Load, Add</i>	1.87	
			<i>For Panels &lt;16" Wide, Add</i>	4.53	
			<i>For Up To 1,500, Add</i>	14.43	
			<i>For &gt;1,500 To 5,000, Add</i>	8.66	
			<i>For &gt;5,000 To 10,000, Add</i>	1.44	
			<i>For Tin/Copper, Deduct</i>	-0.98	
07 61 16 00-0009	SF		0.032" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	64.66	4.64
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.79	
			<i>For 140 MPH Wind Load, Add</i>	2.04	
			<i>For Panels &lt;16" Wide, Add</i>	4.95	
			<i>For Up To 1,500, Add</i>	16.17	
			<i>For &gt;1,500 To 5,000, Add</i>	9.70	
			<i>For &gt;5,000 To 10,000, Add</i>	1.62	
			<i>For Tin/Copper, Deduct</i>	-1.11	
07 61 16 00-0010	SF		0.040" Thick, Zinc/Copper Batten Seam Concealed Fastener Roofing.....	81.13	4.87
			<i>For Steep Roof, Over 6 To 12, Add</i>	2.92	
			<i>For 140 MPH Wind Load, Add</i>	2.40	
			<i>For Panels &lt;16" Wide, Add</i>	5.86	
			<i>For Up To 1,500, Add</i>	20.28	
			<i>For &gt;1,500 To 5,000, Add</i>	12.17	
			<i>For &gt;5,000 To 10,000, Add</i>	2.03	
			<i>For Tin/Copper, Deduct</i>	-1.43	

**07 61 19 Flat Seam Sheet Metal Roofing (07 61)**

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 61 Sheet Metal Roofing**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 61 19 00-0001	Copper Flat Seam Concealed Fastener Roofing (07 61 19)		
07 61 19 00-0002	Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0003	SF 16 Ounce Copper Flat Seam Concealed Fastener Roofing.....	35.90	4.26
	For Steep Roof, Over 6 To 12, Add	2.55	
	For 140 MPH Wind Load, Add	1.40	
	For Panels <16" Wide, Add	3.37	
	For Up To 1,500, Add	8.98	
	For >1,500 To 5,000, Add	5.39	
	For >5,000 To 10,000, Add	0.90	
07 61 19 00-0004	SF 18 Ounce Copper Flat Seam Concealed Fastener Roofing.....	39.49	4.44
	For Steep Roof, Over 6 To 12, Add	2.67	
	For 140 MPH Wind Load, Add	1.50	
	For Panels <16" Wide, Add	3.62	
	For Up To 1,500, Add	9.87	
	For >1,500 To 5,000, Add	5.92	
	For >5,000 To 10,000, Add	0.99	
07 61 19 00-0005	SF 20 Ounce Copper Flat Seam Concealed Fastener Roofing.....	45.72	4.64
	For Steep Roof, Over 6 To 12, Add	2.79	
	For 140 MPH Wind Load, Add	1.66	
	For Panels <16" Wide, Add	4.00	
	For Up To 1,500, Add	11.43	
	For >1,500 To 5,000, Add	6.86	
	For >5,000 To 10,000, Add	1.14	
07 61 19 00-0006	Zinc/Copper Flat Seam Concealed Fastener Roofing (07 61 19 00-0001)		
07 61 19 00-0007	SF 0.020" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	41.30	4.26
	For Steep Roof, Over 6 To 12, Add	2.55	
	For 140 MPH Wind Load, Add	1.51	
	For Panels <16" Wide, Add	3.64	
	For Up To 1,500, Add	10.33	
	For >1,500 To 5,000, Add	6.20	
	For >5,000 To 10,000, Add	1.03	
	For Tin/Copper, Deduct	-0.66	
07 61 19 00-0008	SF 0.027" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	50.42	4.44
	For Steep Roof, Over 6 To 12, Add	2.67	
	For 140 MPH Wind Load, Add	1.72	
	For Panels <16" Wide, Add	4.17	
	For Up To 1,500, Add	12.61	
	For >1,500 To 5,000, Add	7.56	
	For >5,000 To 10,000, Add	1.26	
	For Tin/Copper, Deduct	-0.83	
07 61 19 00-0009	SF 0.032" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	56.65	4.64
	For Steep Roof, Over 6 To 12, Add	2.79	
	For 140 MPH Wind Load, Add	1.88	
	For Panels <16" Wide, Add	4.55	
	For Up To 1,500, Add	14.16	
	For >1,500 To 5,000, Add	8.50	
	For >5,000 To 10,000, Add	1.42	
	For Tin/Copper, Deduct	-0.95	
07 61 19 00-0010	SF 0.040" Thick, Zinc/Copper Flat Seam Concealed Fastener Roofing.....	70.93	4.87
	For Steep Roof, Over 6 To 12, Add	2.92	
	For 140 MPH Wind Load, Add	2.20	
	For Panels <16" Wide, Add	5.35	
	For Up To 1,500, Add	17.73	
	For >1,500 To 5,000, Add	10.64	
	For >5,000 To 10,000, Add	1.77	
	For Tin/Copper, Deduct	-1.22	

**07 62 Sheet Metal Flashing and Trim (07 60)****07 62 13 Fabricated Copings (07 62)**

07 62 13 00-0001	Lead Flashing And Trim (07 62 13)		
07 62 13 00-0002	SF 2.5 LB/SF Sheet Lead Flashing.....	24.81	6.19
	For Up To 100, Add	6.20	
07 62 13 00-0003	SF 4 LB/SF Sheet Lead Flashing.....	32.27	6.19
	For Up To 100, Add	8.07	
07 62 13 00-0004	Copper Flashing And Trim (07 62 13)		
07 62 13 00-0005	Copper Flashing And Trim (07 62 13 00-0004)		
07 62 13 00-0006	SF 16 Ounce, 0.021" Thick, Copper Flashing And Trim.....	31.26	6.05
	For Up To 100, Add	7.82	
	For >500 To 2,000, Deduct	-4.30	
	For >2,000, Deduct	-5.27	
	For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.39	
	For Wrap Around Window Panning, Add	11.96	
	For Zinc-Tin Coated Copper, Add	5.31	
07 62 13 00-0007	SF 20 Ounce, 0.027" Thick, Copper Flashing And Trim.....	32.28	6.19
	For Up To 100, Add	8.07	
	For >500 To 2,000, Deduct	-4.45	
	For >2,000, Deduct	-5.44	
	For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add	2.50	
	For Wrap Around Window Panning, Add	12.50	
	For Zinc-Tin Coated Copper, Add	5.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 13 00-0008	SF		24 Ounce, 0.032" Thick, Copper Flashing And Trim.....	36.84	6.60
			<i>For Up To 100, Add</i>	9.21	
			<i>For &gt;500 To 2,000, Deduct</i>	-5.05	
			<i>For &gt;2,000, Deduct</i>	-6.24	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.62	
			<i>For Wrap Around Window Panning, Add</i>	13.10	
			<i>For Zinc-Tin Coated Copper, Add</i>	6.53	
07 62 13 00-0009	SF		32 Ounce, 0.043" Thick, Copper Flashing And Trim.....	45.40	6.88
			<i>For Up To 100, Add</i>	11.35	
			<i>For &gt;500 To 2,000, Deduct</i>	-6.18	
			<i>For &gt;2,000, Deduct</i>	-7.76	
			<i>For Copper Valley For Steep Slope Roofing, Over 7 To 12, Add</i>	2.75	
			<i>For Wrap Around Window Panning, Add</i>	13.75	
			<i>For Zinc-Tin Coated Copper, Add</i>	8.70	
07 62 13 00-0010			<b>Stainless Steel Flashing And Trim</b> (07 62 13)		
07 62 13 00-0011			<b>Stainless Steel Flashing And Trim</b> (07 62 13 00-0010)		
07 62 13 00-0012	SF		32 Gauge, 0.010" Thick, Stainless Steel Flashing And Trim.....	11.06	3.30
			<i>For Up To 100, Add</i>	2.77	
			<i>For Wrap Around Window Panning, Add</i>	8.49	
			<i>For Mechanically Keyed Flashing, Add</i>	1.03	
07 62 13 00-0013	SF		30 Gauge, 0.0125" Thick, Stainless Steel Flashing And Trim.....	11.83	3.71
			<i>For Up To 100, Add</i>	2.96	
			<i>For Wrap Around Window Panning, Add</i>	8.62	
			<i>For Mechanically Keyed Flashing, Add</i>	1.28	
07 62 13 00-0014	SF		28 Gauge, 0.0156" Thick, Stainless Steel Flashing And Trim.....	12.62	4.13
			<i>For Up To 100, Add</i>	3.16	
			<i>For Wrap Around Window Panning, Add</i>	8.77	
			<i>For Mechanically Keyed Flashing, Add</i>	1.54	
07 62 13 00-0015	SF		26 Gauge, 0.0187" Thick, Stainless Steel Flashing And Trim.....	13.86	4.54
			<i>For Up To 100, Add</i>	3.47	
			<i>For Wrap Around Window Panning, Add</i>	9.05	
			<i>For Mechanically Keyed Flashing, Add</i>	1.92	
07 62 13 00-0016	SF		24 Gauge, 0.025" Thick, Stainless Steel Flashing And Trim.....	15.96	4.81
			<i>For Up To 100, Add</i>	3.99	
			<i>For Wrap Around Window Panning, Add</i>	9.55	
			<i>For Mechanically Keyed Flashing, Add</i>	2.56	
07 62 13 00-0017	SF		22 Gauge, 0.031" Thick, Stainless Steel Flashing And Trim.....	17.35	5.05
			<i>For Up To 100, Add</i>	4.34	
			<i>For Wrap Around Window Panning, Add</i>	10.11	
			<i>For Mechanically Keyed Flashing, Add</i>	2.90	
07 62 13 00-0018	SF		20 Gauge, 0.0375" Thick, Stainless Steel Flashing And Trim.....	18.54	5.37
			<i>For Up To 100, Add</i>	4.64	
			<i>For Wrap Around Window Panning, Add</i>	10.70	
			<i>For Mechanically Keyed Flashing, Add</i>	3.14	
07 62 13 00-0019			<b>Aluminum Flashing And Trim</b> (07 62 13)		
07 62 13 00-0020			<b>Aluminum Flashing And Trim</b> (07 62 13 00-0019)		
07 62 13 00-0021	SF		0.013" Thick, Mill Finish, Aluminum Flashing And Trim.....	13.80	4.27
			<i>For Up To 100, Add</i>	3.45	
			<i>For Baked Aluminum Colors, Add</i>	0.43	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0022	SF		0.016" Thick, Mill Finish, Aluminum Flashing And Trim.....	14.74	4.27
			<i>For Up To 100, Add</i>	3.69	
			<i>For Baked Aluminum Colors, Add</i>	0.53	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0023	SF		0.019" Thick, Mill Finish, Aluminum Flashing And Trim.....	15.49	4.27
			<i>For Up To 100, Add</i>	3.87	
			<i>For Baked Aluminum Colors, Add</i>	0.60	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0024	SF		0.024" Thick, Mill Finish, Aluminum Flashing And Trim.....	16.57	4.27
			<i>For Up To 100, Add</i>	4.14	
			<i>For Baked Aluminum Colors, Add</i>	0.71	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0025	SF		0.032" Thick, Mill Finish, Aluminum Flashing And Trim.....	18.08	4.27
			<i>For Up To 100, Add</i>	4.52	
			<i>For Baked Aluminum Colors, Add</i>	0.86	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0026	SF		0.040" Thick, Mill Finish, Aluminum Flashing And Trim.....	19.01	4.27
			<i>For Up To 100, Add</i>	4.75	
			<i>For Baked Aluminum Colors, Add</i>	0.95	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0027	SF		0.050" Thick, Mill Finish, Aluminum Flashing And Trim.....	19.76	4.27
			<i>For Up To 100, Add</i>	4.94	
			<i>For Baked Aluminum Colors, Add</i>	1.03	
			<i>For Wrap Around Window Panning, Add</i>	9.48	
07 62 13 00-0028			<b>Steel Flashing And Trim</b> (07 62 13)		
07 62 13 00-0029			<b>Galvanized Steel Flashing And Trim</b> (07 62 13 00-0028)		
07 62 13 00-0030	SF		28 Gauge, 0.019" Thick, Galvanized Steel Flashing.....	13.44	4.13
			<i>For Up To 100, Add</i>	3.36	
			<i>For Wrap Around Window Panning, Add</i>	8.77	

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 62 13 00-0031	SF 26 Gauge, 0.022" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	13.97 3.49 9.05	4.54
07 62 13 00-0032	SF 24 Gauge, 0.028" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	14.87 3.72 9.55	4.81
07 62 13 00-0033	SF 22 Gauge, 0.034" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	15.81 3.95 10.11	5.05
07 62 13 00-0034	SF 20 Gauge, 0.04" Thick, Galvanized Steel Flashing..... <i>For Up To 100, Add</i> <i>For Wrap Around Window Panning, Add</i>	17.08 4.27 10.70	5.37
<b>07 62 19 Fabricated Gravel Stops and Fasciae (07 62)</b>			
07 62 19 00-0001	Drip Edge (07 62 19)		
07 62 19 00-0002	Aluminum Drip Edge (07 62 19 00-0001) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0003	KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0002)		
07 62 19 00-0004	0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0005	LF Up To 5" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	12.74	1.73
07 62 19 00-0006	LF >5" To 7" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	15.93	1.84
07 62 19 00-0007	LF >7" To 9" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	18.00	2.07
07 62 19 00-0008	LF >9" To 12" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	21.69	2.19
07 62 19 00-0009	LF >12" To 15" Girth, 0.016" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	27.79	2.30
07 62 19 00-0010	0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0011	LF Up To 5" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	13.65	1.73
07 62 19 00-0012	LF >5" To 7" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	16.94	1.84
07 62 19 00-0013	LF >7" To 9" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	19.52	2.07
07 62 19 00-0014	LF >9" To 12" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	23.51	2.19
07 62 19 00-0015	LF >12" To 15" Girth, 0.019" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	29.50	2.30
07 62 19 00-0016	0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0017	LF Up To 5" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	14.56	1.73
07 62 19 00-0018	LF >5" To 7" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	18.15	1.84
07 62 19 00-0019	LF >7" To 9" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	20.98	2.07
07 62 19 00-0020	LF >9" To 12" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	25.32	2.19
07 62 19 00-0021	LF >12" To 15" Girth, 0.025" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	31.92	2.30
07 62 19 00-0022	0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0023	LF Up To 5" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	16.38	1.73
07 62 19 00-0024	LF >5" To 7" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	20.57	1.84
07 62 19 00-0025	LF >7" To 9" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	23.85	2.07
07 62 19 00-0026	LF >9" To 12" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	28.95	2.19
07 62 19 00-0027	LF >12" To 15" Girth, 0.032" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	36.77	2.30
07 62 19 00-0028	0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0029	LF Up To 5" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	16.98	1.73
07 62 19 00-0030	LF >5" To 7" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	21.48	1.84
07 62 19 00-0031	LF >7" To 9" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	24.81	2.07
07 62 19 00-0032	LF >9" To 12" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	30.16	2.19
07 62 19 00-0033	LF >12" To 15" Girth, 0.040" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	38.38	2.30
07 62 19 00-0034	0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0035	LF Up To 5" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	19.10	1.73
07 62 19 00-0036	LF >5" To 7" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	24.20	1.84
07 62 19 00-0037	LF >7" To 9" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	28.14	2.07
07 62 19 00-0038	LF >9" To 12" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	34.40	2.19
07 62 19 00-0039	LF >12" To 15" Girth, 0.050" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	44.03	2.30
07 62 19 00-0040	0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0041	LF Up To 5" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	22.13	1.73
07 62 19 00-0042	LF >5" To 7" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	28.23	1.84
07 62 19 00-0043	LF >7" To 9" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	32.93	2.07
07 62 19 00-0044	LF >9" To 12" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	40.45	2.19
07 62 19 00-0045	LF >12" To 15" Girth, 0.063" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	52.10	2.30
07 62 19 00-0046	0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge (07 62 19 00-0003)		
07 62 19 00-0047	LF Up To 5" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	25.76	1.73
07 62 19 00-0048	LF >5" To 7" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	33.08	1.84
07 62 19 00-0049	LF >7" To 9" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	38.68	2.07
07 62 19 00-0050	LF >9" To 12" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	47.71	2.19
07 62 19 00-0051	LF >12" To 15" Girth, 0.080" Thick, KYNAR 500® Finish, Aluminum Drip Edge .....	61.78	2.30

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 62 19 00-0052	Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0053	0.016" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0054	LF Up To 5" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	10.40	1.73
07 62 19 00-0055	LF >5" To 7" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	12.74	1.84
07 62 19 00-0056	LF >7" To 9" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	14.31	2.07
07 62 19 00-0057	LF >9" To 12" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	16.99	2.19
07 62 19 00-0058	LF >12" To 15" Girth, 0.016" Thick, Mill Finish, Aluminum Drip Edge.....	21.31	2.30
07 62 19 00-0059	0.019" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0060	LF Up To 5" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	11.02	1.73
07 62 19 00-0061	LF >5" To 7" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	13.43	1.84
07 62 19 00-0062	LF >7" To 9" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	15.35	2.07
07 62 19 00-0063	LF >9" To 12" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	18.25	2.19
07 62 19 00-0064	LF >12" To 15" Girth, 0.019" Thick, Mill Finish, Aluminum Drip Edge.....	22.49	2.30
07 62 19 00-0065	0.025" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0066	LF Up To 5" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	11.65	1.73
07 62 19 00-0067	LF >5" To 7" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	14.27	1.84
07 62 19 00-0068	LF >7" To 9" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	16.36	2.07
07 62 19 00-0069	LF >9" To 12" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	19.50	2.19
07 62 19 00-0070	LF >12" To 15" Girth, 0.025" Thick, Mill Finish, Aluminum Drip Edge.....	24.16	2.30
07 62 19 00-0071	0.032" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0072	LF Up To 5" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	12.90	1.73
07 62 19 00-0073	LF >5" To 7" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	15.94	1.84
07 62 19 00-0074	LF >7" To 9" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	18.34	2.07
07 62 19 00-0075	LF >9" To 12" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	22.00	2.19
07 62 19 00-0076	LF >12" To 15" Girth, 0.032" Thick, Mill Finish, Aluminum Drip Edge.....	27.50	2.30
07 62 19 00-0077	0.040" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0078	LF Up To 5" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	13.32	1.73
07 62 19 00-0079	LF >5" To 7" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	16.56	1.84
07 62 19 00-0080	LF >7" To 9" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	19.00	2.07
07 62 19 00-0081	LF >9" To 12" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	22.84	2.19
07 62 19 00-0082	LF >12" To 15" Girth, 0.040" Thick, Mill Finish, Aluminum Drip Edge.....	28.61	2.30
07 62 19 00-0083	0.050" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0084	LF Up To 5" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	14.78	1.73
07 62 19 00-0085	LF >5" To 7" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	18.44	1.84
07 62 19 00-0086	LF >7" To 9" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	21.30	2.07
07 62 19 00-0087	LF >9" To 12" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	25.76	2.19
07 62 19 00-0088	LF >12" To 15" Girth, 0.050" Thick, Mill Finish, Aluminum Drip Edge.....	32.51	2.30
07 62 19 00-0089	0.063" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0090	LF Up To 5" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	16.87	1.73
07 62 19 00-0091	LF >5" To 7" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	21.22	1.84
07 62 19 00-0092	LF >7" To 9" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	24.60	2.07
07 62 19 00-0093	LF >9" To 12" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	29.93	2.19
07 62 19 00-0094	LF >12" To 15" Girth, 0.063" Thick, Mill Finish, Aluminum Drip Edge.....	38.07	2.30
07 62 19 00-0095	0.080" Thick, Mill Finish, Aluminum Drip Edge <small>(07 62 19 00-0052)</small>		
07 62 19 00-0096	LF Up To 5" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	19.37	1.73
07 62 19 00-0097	LF >5" To 7" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	24.56	1.84
07 62 19 00-0098	LF >7" To 9" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	28.57	2.07
07 62 19 00-0099	LF >9" To 12" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	34.94	2.19
07 62 19 00-0100	LF >12" To 15" Girth, 0.080" Thick, Mill Finish, Aluminum Drip Edge.....	44.75	2.30
07 62 19 00-0101	Clear Anodized Finish, Aluminum Drip Edge <small>(07 62 19 00-0002)</small>		
07 62 19 00-0102	0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge <small>(07 62 19 00-0101)</small>		
07 62 19 00-0103	LF Up To 5" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	13.20	1.73
07 62 19 00-0104	LF >5" To 7" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	16.55	1.84
07 62 19 00-0105	LF >7" To 9" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.72	2.07
07 62 19 00-0106	LF >9" To 12" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.60	2.19
07 62 19 00-0107	LF >12" To 15" Girth, 0.016" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	29.04	2.30
07 62 19 00-0108	0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge <small>(07 62 19 00-0101)</small>		
07 62 19 00-0109	LF Up To 5" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	14.16	1.73
07 62 19 00-0110	LF >5" To 7" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.61	1.84
07 62 19 00-0111	LF >7" To 9" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	20.32	2.07
07 62 19 00-0112	LF >9" To 12" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.52	2.19
07 62 19 00-0113	LF >12" To 15" Girth, 0.019" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	30.86	2.30



**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 62 Sheet Metal Flashing and Trim**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 62 19 00-0114		0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0115	LF	Up To 5" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	15.12	1.73
07 62 19 00-0116	LF	>5" To 7" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	18.90	1.84
07 62 19 00-0117	LF	>7" To 9" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.87	2.07
07 62 19 00-0118	LF	>9" To 12" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.45	2.19
07 62 19 00-0119	LF	>12" To 15" Girth, 0.025" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	33.43	2.30
07 62 19 00-0120		0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0121	LF	Up To 5" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.05	1.73
07 62 19 00-0122	LF	>5" To 7" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	21.46	1.84
07 62 19 00-0123	LF	>7" To 9" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	24.92	2.07
07 62 19 00-0124	LF	>9" To 12" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	30.30	2.19
07 62 19 00-0125	LF	>12" To 15" Girth, 0.032" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	38.56	2.30
07 62 19 00-0126		0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0127	LF	Up To 5" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	17.69	1.73
07 62 19 00-0128	LF	>5" To 7" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	22.43	1.84
07 62 19 00-0129	LF	>7" To 9" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	25.93	2.07
07 62 19 00-0130	LF	>9" To 12" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	31.58	2.19
07 62 19 00-0131	LF	>12" To 15" Girth, 0.040" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	40.27	2.30
07 62 19 00-0132		0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0133	LF	Up To 5" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	19.93	1.73
07 62 19 00-0134	LF	>5" To 7" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	25.31	1.84
07 62 19 00-0135	LF	>7" To 9" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	29.46	2.07
07 62 19 00-0136	LF	>9" To 12" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	36.07	2.19
07 62 19 00-0137	LF	>12" To 15" Girth, 0.050" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	46.26	2.30
07 62 19 00-0138		0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0139	LF	Up To 5" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	23.14	1.73
07 62 19 00-0140	LF	>5" To 7" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	29.59	1.84
07 62 19 00-0141	LF	>7" To 9" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	34.54	2.07
07 62 19 00-0142	LF	>9" To 12" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	42.48	2.19
07 62 19 00-0143	LF	>12" To 15" Girth, 0.063" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	54.81	2.30
07 62 19 00-0144		0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge (07 62 19 00-0101)		
07 62 19 00-0145	LF	Up To 5" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	26.99	1.73
07 62 19 00-0146	LF	>5" To 7" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	34.72	1.84
07 62 19 00-0147	LF	>7" To 9" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	40.63	2.07
07 62 19 00-0148	LF	>9" To 12" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	50.18	2.19
07 62 19 00-0149	LF	>12" To 15" Girth, 0.080" Thick, Clear Anodized Finish, Aluminum Drip Edge.....	65.07	2.30
07 62 19 00-0150		Galvanized Steel Drip Edge (07 62 19 00-0001)		
		Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
07 62 19 00-0151		Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0152		26 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
07 62 19 00-0153	LF	Up To 5" Girth, 26 Gauge, Galvanized Steel Drip Edge .....	12.14	1.73
07 62 19 00-0154	LF	>5" To 7" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	14.98	1.84
07 62 19 00-0155	LF	>7" To 9" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	17.14	2.07
07 62 19 00-0156	LF	>9" To 12" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	20.48	2.19
07 62 19 00-0157	LF	>12" To 15" Girth, 26 Gauge, Galvanized Steel Drip Edge.....	25.47	2.30
07 62 19 00-0158		24 Gauge, Galvanized Steel Drip Edge (07 62 19 00-0151)		
07 62 19 00-0159	LF	Up To 5" Girth, 24 Gauge, Galvanized Steel Drip Edge .....	13.19	1.73
07 62 19 00-0160	LF	>5" To 7" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	16.38	1.84
07 62 19 00-0161	LF	>7" To 9" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	18.79	2.07
07 62 19 00-0162	LF	>9" To 12" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	22.58	2.19
07 62 19 00-0163	LF	>12" To 15" Girth, 24 Gauge, Galvanized Steel Drip Edge.....	28.25	2.30
07 62 19 00-0164		KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0150)		
07 62 19 00-0165		26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
07 62 19 00-0166	LF	Up To 5" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	15.27	1.73
07 62 19 00-0167	LF	>5" To 7" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	19.18	1.84
07 62 19 00-0168	LF	>7" To 9" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	22.10	2.07
07 62 19 00-0169	LF	>9" To 12" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	26.75	2.19
07 62 19 00-0170	LF	>12" To 15" Girth, 26 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	33.82	2.30
07 62 19 00-0171		24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge (07 62 19 00-0164)		
07 62 19 00-0172	LF	Up To 5" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	16.79	1.73
07 62 19 00-0173	LF	>5" To 7" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	21.22	1.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 62 19 00-0174	LF		>7" To 9" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	24.50	2.07
07 62 19 00-0175	LF		>9" To 12" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	29.77	2.19
07 62 19 00-0176	LF		>12" To 15" Girth, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Drip Edge.....	37.86	2.30
<b>07 62 19 00-0177</b>			<b>Stainless Steel Drip Edge</b> (07 62 19 00-0001) Note: Girth (stretch-out) equals the total (flattened) width of the drip edge.		
<b>07 62 19 00-0178</b>			<b>26 Gauge, Stainless Steel Drip Edge</b> (07 62 19 00-0177)		
07 62 19 00-0179	LF		Up To 5" Girth, 26 Gauge, Stainless Steel Drip Edge.....	21.05	1.73
07 62 19 00-0180	LF		>5" To 7" Girth, 26 Gauge, Stainless Steel Drip Edge.....	26.80	1.84
07 62 19 00-0181	LF		>7" To 9" Girth, 26 Gauge, Stainless Steel Drip Edge.....	31.23	2.07
07 62 19 00-0182	LF		>9" To 12" Girth, 26 Gauge, Stainless Steel Drip Edge.....	38.30	2.19
07 62 19 00-0183	LF		>12" To 15" Girth, 26 Gauge, Stainless Steel Drip Edge.....	49.23	2.30
<b>07 62 19 00-0184</b>			<b>24 Gauge, Stainless Steel Drip Edge</b> (07 62 19 00-0177)		
07 62 19 00-0185	LF		Up To 5" Girth, 24 Gauge, Stainless Steel Drip Edge.....	26.05	1.73
07 62 19 00-0186	LF		>5" To 7" Girth, 24 Gauge, Stainless Steel Drip Edge.....	33.46	1.84
07 62 19 00-0187	LF		>7" To 9" Girth, 24 Gauge, Stainless Steel Drip Edge.....	39.17	2.07
07 62 19 00-0188	LF		>9" To 12" Girth, 24 Gauge, Stainless Steel Drip Edge.....	48.30	2.19
07 62 19 00-0189	LF		>12" To 15" Girth, 24 Gauge, Stainless Steel Drip Edge.....	62.56	2.30
<b>07 62 19 00-0190</b>			<b>22 Gauge, Stainless Steel Drip Edge</b> (07 62 19 00-0177)		
07 62 19 00-0191	LF		Up To 5" Girth, 22 Gauge, Stainless Steel Drip Edge.....	31.93	1.73
07 62 19 00-0192	LF		>5" To 7" Girth, 22 Gauge, Stainless Steel Drip Edge.....	41.30	1.84
07 62 19 00-0193	LF		>7" To 9" Girth, 22 Gauge, Stainless Steel Drip Edge.....	48.47	2.07
07 62 19 00-0194	LF		>9" To 12" Girth, 22 Gauge, Stainless Steel Drip Edge.....	60.05	2.19
07 62 19 00-0195	LF		>12" To 15" Girth, 22 Gauge, Stainless Steel Drip Edge.....	78.24	2.30
<b>07 63</b>			<b>Sheet Metal Roofing Specialties</b> (07 60)		
<b>07 63 00 00-0001</b>			<b>Pitch Pockets</b> (07 63) Note: Cut into deck, filled with non-shrink grout, includes blocking.		
<b>07 63 00 00-0002</b>			<b>24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> (07 63 00 00-0001)		
07 63 00 00-0003	EA		4" x 4" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	99.15	
			For Pourable Sealer Filled, Add	40.23	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	20.13	
07 63 00 00-0004	EA		6" x 6" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	119.36	
			For Pourable Sealer Filled, Add	90.57	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	45.41	
07 63 00 00-0005	EA		8" x 8" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	145.15	
			For Pourable Sealer Filled, Add	160.93	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	80.28	
07 63 00 00-0006	EA		8" x 10" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	159.31	
			For Pourable Sealer Filled, Add	201.16	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	100.91	
07 63 00 00-0007	EA		8" x 12" 24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	172.67	
			For Pourable Sealer Filled, Add	241.39	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	120.71	
07 63 00 00-0008	SF		24 Gauge Galvanized Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	202.61	
			For Pourable Sealer Filled, Add	362.08	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	179.93	
<b>07 63 00 00-0009</b>			<b>16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> (07 63 00 00-0001)		
07 63 00 00-0010	EA		4" x 4" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	98.77	
			For Pourable Sealer Filled, Add	40.23	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	20.13	
07 63 00 00-0011	EA		6" x 6" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	118.72	
			For Pourable Sealer Filled, Add	90.57	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	45.41	
07 63 00 00-0012	EA		8" x 8" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	144.88	
			For Pourable Sealer Filled, Add	160.93	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	80.28	
07 63 00 00-0013	EA		8" x 10" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	161.88	
			For Pourable Sealer Filled, Add	201.16	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	100.91	
07 63 00 00-0014	EA		8" x 12" 16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	174.78	
			For Pourable Sealer Filled, Add	241.39	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	120.71	
07 63 00 00-0015	SF		16 Ounce Copper Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	204.97	
			For Pourable Sealer Filled, Add	362.08	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	179.93	
<b>07 63 00 00-0016</b>			<b>24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pockets</b> (07 63 00 00-0001)		
07 63 00 00-0017	EA		4" x 4" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	97.69	
			For Pourable Sealer Filled, Add	40.23	
			For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add	20.13	

**07 Thermal And Moisture Protection****07 60 Flashing and Sheet Metal****07 63 Sheet Metal Roofing Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

07 63 00 00-0018	EA	6" x 6" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	116.59	
		<i>For Pourable Sealer Filled, Add</i>	90.57	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.41	
07 63 00 00-0019	EA	8" x 8" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	136.91	
		<i>For Pourable Sealer Filled, Add</i>	160.93	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	80.28	
07 63 00 00-0020	EA	8" x 10" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	149.85	
		<i>For Pourable Sealer Filled, Add</i>	201.16	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.91	
07 63 00 00-0021	EA	8" x 12" 24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	161.67	
		<i>For Pourable Sealer Filled, Add</i>	241.39	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	120.71	
07 63 00 00-0022	SF	24 Gauge Stainless Steel Sheet Metal, Non-Shrink Grout Filled Pitch Pocket.....	188.88	
		<i>For Pourable Sealer Filled, Add</i>	362.08	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	179.93	
<b>07 63 00 00-0023 Clean, Repair And Refill Existing Pitch Pockets With Non-Shrink Grout (07 63 00 00-0001)</b>				
Note: Includes removing existing filler and refilling with non-shrink grout.				
07 63 00 00-0024	EA	Clean, Repair And Refill Existing 4" x 4" Pitch Pocket With Non-Shrink Grout.....	76.47	
		<i>For Pourable Sealer Filled, Add</i>	40.23	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	20.13	
07 63 00 00-0025	EA	Clean, Repair And Refill Existing 6" x 6" Pitch Pocket With Non-Shrink Grout.....	88.26	
		<i>For Pourable Sealer Filled, Add</i>	90.57	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	45.41	
07 63 00 00-0026	EA	Clean, Repair And Refill Existing 8" x 8" Pitch Pocket With Non-Shrink Grout.....	103.98	
		<i>For Pourable Sealer Filled, Add</i>	160.93	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	80.28	
07 63 00 00-0027	EA	Clean, Repair And Refill Existing 8" x 10" Pitch Pocket With Non-Shrink Grout.....	113.91	
		<i>For Pourable Sealer Filled, Add</i>	201.16	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	100.91	
07 63 00 00-0028	EA	Clean, Repair And Refill Existing 8" x 12" Pitch Pocket With Non-Shrink Grout.....	123.86	
		<i>For Pourable Sealer Filled, Add</i>	241.39	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	120.71	
07 63 00 00-0029	SF	Clean, Repair And Refill Existing Pitch Pocket With Non-Shrink Grout.....	149.07	
		<i>For Pourable Sealer Filled, Add</i>	362.08	
		<i>For Pourable Sealer Top Filled (2" Non-Shrink Grout Topped With 2" Pourable Sealer), Add</i>	179.93	
<b>07 63 00 00-0030 Lead Pipe Flashing For Roofs (07 63)</b>				
Note: Includes 6" skirt base.				
07 63 00 00-0031	EA	1-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3/4" Pipe.....	112.16	39.88
07 63 00 00-0032	EA	1-1/2" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 1" Pipe.....	112.16	39.88
07 63 00 00-0033	EA	2-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 2" Pipe.....	130.31	39.88
07 63 00 00-0034	EA	3-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3" Pipe.....	140.69	39.88
07 63 00 00-0035	EA	4-1/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 3-1/2" Pipe.....	145.87	39.88
07 63 00 00-0036	EA	4-3/4" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 4" Pipe.....	148.47	39.88
07 63 00 00-0037	EA	6-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 6" Pipe.....	174.40	39.88
07 63 00 00-0038	EA	8-7/8" ID x 12" Riser Pipe, 4 LB Lead Pipe Flashing For Roofs, Fits 8" Pipe.....	186.07	39.88
<b>07 63 00 00-0039 Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing (07 63)</b>				
07 63 00 00-0040	EA	2" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	101.60	25.78
07 63 00 00-0041	EA	3" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	102.95	25.78
07 63 00 00-0042	EA	4" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	107.83	25.78
07 63 00 00-0043	EA	6" Vent Through Roof, Galvanized Metal Flashing With Neoprene Collar, Shingle Roofing.....	112.03	25.78
<b>07 65 Flexible Flashing (07 60)</b>				
<b>07 65 16 Modified Bituminous Sheet Flashing (07 65)</b>				
<b>07 65 16 00-0001 Liquid Flashing System For Modified And BUR Systems (07 65 16)</b>				
See CSI section 07 51 13 00-0036 for ceramic coated roofing granules.				
07 65 16 00-0002	SF	60 Mil, Urethane Elastomer Liquid Applied Flashing.....	14.38	2.22
Note: Includes applying a 30 mil base coat, rolling in a stichbonded polyester reinforcing scrim and applying a 30 mil second coat.				
<b>07 65 19 Plastic Sheet Flashing (07 65)</b>				
<b>07 65 19 00-0001 Plastic Flashing And Trim (07 65 19)</b>				
<b>07 65 19 00-0002 Neoprene Flashing (07 65 19 00-0001)</b>				
<b>07 65 19 00-0003 60 Mil Neoprene Flashing (07 65 19 00-0002)</b>				
07 65 19 00-0004	LF	6" Wide Strip, 60 Mil, Neoprene Flashing.....	9.82	3.10
07 65 19 00-0005	LF	12" Wide Strip, 60 Mil, Neoprene Flashing.....	13.16	3.33
07 65 19 00-0006	LF	18" Wide Strip, 60 Mil, Neoprene Flashing.....	16.81	3.67
07 65 19 00-0007	LF	24" Wide Strip, 60 Mil, Neoprene Flashing.....	20.67	4.13
<b>07 70 Roof and Wall Specialties and Accessories (07)</b>				
<b>07 71 Roof Specialties (07 70)</b>				
<b>07 71 13 Manufactured Copings (07 71)</b>				

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 13 00-0001		Galvanized Steel Copings <small>(07 71 13)</small>			
07 71 13 00-0002		KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0001)</small>			
		<small>Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>			
07 71 13 00-0003	LF	10" To 14" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	34.94		2.48
		<i>For Up To 25 LF, Add</i>	5.15		
		<i>For &gt;25 To 100 LF, Add</i>	2.58		
		<i>For &gt;1,000 LF, Deduct</i>	-0.41		
07 71 13 00-0004	LF	>14" To 16" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	36.87		2.70
		<i>For Up To 25 LF, Add</i>	5.48		
		<i>For &gt;25 To 100 LF, Add</i>	2.74		
		<i>For &gt;1,000 LF, Deduct</i>	-0.45		
07 71 13 00-0005	LF	>16" To 22" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	42.04		2.83
		<i>For Up To 25 LF, Add</i>	6.09		
		<i>For &gt;25 To 100 LF, Add</i>	3.05		
		<i>For &gt;1,000 LF, Deduct</i>	-0.47		
07 71 13 00-0006	LF	>22" To 30" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	48.83		3.11
		<i>For Up To 25 LF, Add</i>	6.96		
		<i>For &gt;25 To 100 LF, Add</i>	3.48		
		<i>For &gt;1,000 LF, Deduct</i>	-0.52		
07 71 13 00-0007	LF	>30" To 42" Wide (Stretch-out), 24 Gauge, KYNAR 500® Finish, Galvanized Steel Coping System With Galvanized Steel Cleats .....	58.99		3.25
		<i>For Up To 25 LF, Add</i>	8.06		
		<i>For &gt;25 To 100 LF, Add</i>	4.03		
		<i>For &gt;1,000 LF, Deduct</i>	-0.54		

07 71 13 00-0008		Aluminum Copings <small>(07 71 13)</small>			
07 71 13 00-0009		Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>			
		<small>Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.</small>			
07 71 13 00-0010		0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>			
07 71 13 00-0011	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	27.76		2.48
		<i>For Up To 25 LF, Add</i>	4.43		
		<i>For &gt;25 To 100 LF, Add</i>	2.22		
		<i>For &gt;1,000 LF, Deduct</i>	-0.41		
07 71 13 00-0012	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	29.64		2.70
		<i>For Up To 25 LF, Add</i>	4.76		
		<i>For &gt;25 To 100 LF, Add</i>	2.38		
		<i>For &gt;1,000 LF, Deduct</i>	-0.45		
07 71 13 00-0013	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	34.53		2.83
		<i>For Up To 25 LF, Add</i>	5.34		
		<i>For &gt;25 To 100 LF, Add</i>	2.67		
		<i>For &gt;1,000 LF, Deduct</i>	-0.47		
07 71 13 00-0014	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.22		3.11
		<i>For Up To 25 LF, Add</i>	6.19		
		<i>For &gt;25 To 100 LF, Add</i>	3.10		
		<i>For &gt;1,000 LF, Deduct</i>	-0.52		
07 71 13 00-0015	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	51.20		3.25
		<i>For Up To 25 LF, Add</i>	7.28		
		<i>For &gt;25 To 100 LF, Add</i>	3.64		
		<i>For &gt;1,000 LF, Deduct</i>	-0.54		

07 71 13 00-0016		0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>			
07 71 13 00-0017	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	30.12		2.48
		<i>For Up To 25 LF, Add</i>	4.67		
		<i>For &gt;25 To 100 LF, Add</i>	2.33		
		<i>For &gt;1,000 LF, Deduct</i>	-0.41		
07 71 13 00-0018	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	32.15		2.70
		<i>For Up To 25 LF, Add</i>	5.01		
		<i>For &gt;25 To 100 LF, Add</i>	2.51		
		<i>For &gt;1,000 LF, Deduct</i>	-0.45		
07 71 13 00-0019	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	37.52		2.83
		<i>For Up To 25 LF, Add</i>	5.64		
		<i>For &gt;25 To 100 LF, Add</i>	2.82		
		<i>For &gt;1,000 LF, Deduct</i>	-0.47		
07 71 13 00-0020	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	44.83		3.11
		<i>For Up To 25 LF, Add</i>	6.56		
		<i>For &gt;25 To 100 LF, Add</i>	3.28		
		<i>For &gt;1,000 LF, Deduct</i>	-0.52		
07 71 13 00-0021	LF	>30" To 42" Wide (Stretch-out), 0.050" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	55.77		3.25
		<i>For Up To 25 LF, Add</i>	7.74		
		<i>For &gt;25 To 100 LF, Add</i>	3.87		
		<i>For &gt;1,000 LF, Deduct</i>	-0.54		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 71 13 00-0022	0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0009)</small>		
07 71 13 00-0023	LF 10" To 14" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	32.06	2.48
	<i>For Up To 25 LF, Add</i>	4.86	
	<i>For &gt;25 To 100 LF, Add</i>	2.43	
	<i>For &gt;1,000 LF, Deduct</i>	-0.41	
07 71 13 00-0024	LF >14" To 16" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	34.40	2.70
	<i>For Up To 25 LF, Add</i>	5.24	
	<i>For &gt;25 To 100 LF, Add</i>	2.62	
	<i>For &gt;1,000 LF, Deduct</i>	-0.45	
07 71 13 00-0025	LF >16" To 22" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.22	2.83
	<i>For Up To 25 LF, Add</i>	6.01	
	<i>For &gt;25 To 100 LF, Add</i>	3.01	
	<i>For &gt;1,000 LF, Deduct</i>	-0.47	
07 71 13 00-0026	LF >22" To 30" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	51.47	3.11
	<i>For Up To 25 LF, Add</i>	7.22	
	<i>For &gt;25 To 100 LF, Add</i>	3.61	
	<i>For &gt;1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0027	LF >30" To 42" Wide (Stretch-out), 0.063" Thick, Mill Finish, Aluminum Coping System With Galvanized Steel Cleats .....	66.52	3.25
	<i>For Up To 25 LF, Add</i>	8.82	
	<i>For &gt;25 To 100 LF, Add</i>	4.41	
	<i>For &gt;1,000 LF, Deduct</i>	-0.54	
07 71 13 00-0028	KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
	Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0029	0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0030	LF 10" To 14" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	38.38	2.48
	<i>For Up To 25 LF, Add</i>	5.49	
	<i>For &gt;25 To 100 LF, Add</i>	2.75	
	<i>For &gt;1,000 LF, Deduct</i>	-0.41	
07 71 13 00-0031	LF >14" To 16" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	40.95	2.70
	<i>For Up To 25 LF, Add</i>	5.89	
	<i>For &gt;25 To 100 LF, Add</i>	2.95	
	<i>For &gt;1,000 LF, Deduct</i>	-0.45	
07 71 13 00-0032	LF >16" To 22" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	47.95	2.83
	<i>For Up To 25 LF, Add</i>	6.68	
	<i>For &gt;25 To 100 LF, Add</i>	3.34	
	<i>For &gt;1,000 LF, Deduct</i>	-0.47	
07 71 13 00-0033	LF >22" To 30" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	57.44	3.11
	<i>For Up To 25 LF, Add</i>	7.82	
	<i>For &gt;25 To 100 LF, Add</i>	3.91	
	<i>For &gt;1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0034	LF >30" To 42" Wide (Stretch-out), 0.040" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	71.80	3.25
	<i>For Up To 25 LF, Add</i>	9.34	
	<i>For &gt;25 To 100 LF, Add</i>	4.67	
	<i>For &gt;1,000 LF, Deduct</i>	-0.54	
07 71 13 00-0035	0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0036	LF 10" To 14" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	41.81	2.48
	<i>For Up To 25 LF, Add</i>	5.84	
	<i>For &gt;25 To 100 LF, Add</i>	2.92	
	<i>For &gt;1,000 LF, Deduct</i>	-0.41	
07 71 13 00-0037	LF >14" To 16" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	44.60	2.70
	<i>For Up To 25 LF, Add</i>	6.26	
	<i>For &gt;25 To 100 LF, Add</i>	3.13	
	<i>For &gt;1,000 LF, Deduct</i>	-0.45	
07 71 13 00-0038	LF >16" To 22" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	52.27	2.83
	<i>For Up To 25 LF, Add</i>	7.12	
	<i>For &gt;25 To 100 LF, Add</i>	3.56	
	<i>For &gt;1,000 LF, Deduct</i>	-0.47	
07 71 13 00-0039	LF >22" To 30" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	62.67	3.11
	<i>For Up To 25 LF, Add</i>	8.34	
	<i>For &gt;25 To 100 LF, Add</i>	4.17	
	<i>For &gt;1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0040	LF >30" To 42" Wide (Stretch-out), 0.050" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	78.44	3.25
	<i>For Up To 25 LF, Add</i>	10.01	
	<i>For &gt;25 To 100 LF, Add</i>	5.00	
	<i>For &gt;1,000 LF, Deduct</i>	-0.54	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 13 00-0041		0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0028)</small>		
07 71 13 00-0042	LF	10" To 14" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	44.62	2.48
		For Up To 25 LF, Add	6.12	
		For >25 To 100 LF, Add	3.06	
		For >1,000 LF, Deduct	-0.41	
07 71 13 00-0043	LF	>14" To 16" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	47.86	2.70
		For Up To 25 LF, Add	6.58	
		For >25 To 100 LF, Add	3.29	
		For >1,000 LF, Deduct	-0.45	
07 71 13 00-0044	LF	>16" To 22" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	57.65	2.83
		For Up To 25 LF, Add	7.65	
		For >25 To 100 LF, Add	3.83	
		For >1,000 LF, Deduct	-0.47	
07 71 13 00-0045	LF	>22" To 30" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	72.30	3.11
		For Up To 25 LF, Add	9.30	
		For >25 To 100 LF, Add	4.65	
		For >1,000 LF, Deduct	-0.52	
07 71 13 00-0046	LF	>30" To 42" Wide (Stretch-out), 0.063" Thick, KYNAR 500® Finish, Aluminum Coping System With Galvanized Steel Cleats .....	94.03	3.25
		For Up To 25 LF, Add	11.57	
		For >25 To 100 LF, Add	5.78	
		For >1,000 LF, Deduct	-0.54	
07 71 13 00-0047		Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0008)</small>		
		Note: Stretch-out width = face height + wall thickness + back leg. Coping system includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 13 00-0048		0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0049	LF	10" To 14" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	40.44	2.48
		For Up To 25 LF, Add	5.70	
		For >25 To 100 LF, Add	2.85	
		For >1,000 LF, Deduct	-0.41	
07 71 13 00-0050	LF	>14" To 16" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	43.14	2.70
		For Up To 25 LF, Add	6.11	
		For >25 To 100 LF, Add	3.06	
		For >1,000 LF, Deduct	-0.45	
07 71 13 00-0051	LF	>16" To 22" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	50.54	2.83
		For Up To 25 LF, Add	6.94	
		For >25 To 100 LF, Add	3.47	
		For >1,000 LF, Deduct	-0.47	
07 71 13 00-0052	LF	>22" To 30" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	60.58	3.11
		For Up To 25 LF, Add	8.13	
		For >25 To 100 LF, Add	4.07	
		For >1,000 LF, Deduct	-0.52	
07 71 13 00-0053	LF	>30" To 42" Wide (Stretch-out), 0.040" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	75.78	3.25
		For Up To 25 LF, Add	9.74	
		For >25 To 100 LF, Add	4.87	
		For >1,000 LF, Deduct	-0.54	
07 71 13 00-0054		0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats <small>(07 71 13 00-0047)</small>		
07 71 13 00-0055	LF	10" To 14" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	44.07	2.48
		For Up To 25 LF, Add	6.06	
		For >25 To 100 LF, Add	3.03	
		For >1,000 LF, Deduct	-0.41	
07 71 13 00-0056	LF	>14" To 16" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	47.01	2.70
		For Up To 25 LF, Add	6.50	
		For >25 To 100 LF, Add	3.25	
		For >1,000 LF, Deduct	-0.45	
07 71 13 00-0057	LF	>16" To 22" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	55.13	2.83
		For Up To 25 LF, Add	7.40	
		For >25 To 100 LF, Add	3.70	
		For >1,000 LF, Deduct	-0.47	
07 71 13 00-0058	LF	>22" To 30" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats .....	66.12	3.11
		For Up To 25 LF, Add	8.68	
		For >25 To 100 LF, Add	4.34	
		For >1,000 LF, Deduct	-0.52	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 13 00-0059	LF		>30" To 42" Wide (Stretch-out), 0.050" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	82.82	3.25
			<i>For Up To 25 LF, Add</i>	10.45	
			<i>For &gt;25 To 100 LF, Add</i>	5.22	
			<i>For &gt;1,000 LF, Deduct</i>	-0.54	
<b>07 71 13 00-0060</b>			<b>0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats</b> (07 71 13 00-0047)		
07 71 13 00-0061	LF		10" To 14" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	47.05	2.48
			<i>For Up To 25 LF, Add</i>	6.36	
			<i>For &gt;25 To 100 LF, Add</i>	3.18	
			<i>For &gt;1,000 LF, Deduct</i>	-0.41	
07 71 13 00-0062	LF		>14" To 16" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	50.46	2.70
			<i>For Up To 25 LF, Add</i>	6.84	
			<i>For &gt;25 To 100 LF, Add</i>	3.42	
			<i>For &gt;1,000 LF, Deduct</i>	-0.45	
07 71 13 00-0063	LF		>16" To 22" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	60.82	2.83
			<i>For Up To 25 LF, Add</i>	7.97	
			<i>For &gt;25 To 100 LF, Add</i>	3.99	
			<i>For &gt;1,000 LF, Deduct</i>	-0.47	
07 71 13 00-0064	LF		>22" To 30" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	76.33	3.11
			<i>For Up To 25 LF, Add</i>	9.71	
			<i>For &gt;25 To 100 LF, Add</i>	4.85	
			<i>For &gt;1,000 LF, Deduct</i>	-0.52	
07 71 13 00-0065	LF		>30" To 42" Wide (Stretch-out), 0.063" Thick, Clear Anodized Finish, Aluminum Coping System With Galvanized Steel Cleats	99.34	3.25
			<i>For Up To 25 LF, Add</i>	12.10	
			<i>For &gt;25 To 100 LF, Add</i>	6.05	
			<i>For &gt;1,000 LF, Deduct</i>	-0.54	
<b>07 71 13 00-0066</b>			<b>Removal And Reinstallation Of Metal Coping</b> (07 71 13)		
07 71 13 00-0067	LF		Removal And Reinstallation Of Metal Coping	9.55	
			<i>For Up To 25 LF, Add</i>	4.78	
			<i>For &gt;25 To 100 LF, Add</i>	2.39	
			<i>For &gt;1,000 LF, Deduct</i>	-0.96	
<b>07 71 19</b>			<b>Manufactured Gravel Stops and Fasciae</b> (07 71)		
07 71 19 00-0001			Gravel Stop (07 71 19)		
07 71 19 00-0002			Aluminum Gravel Stop (07 71 19 00-0001)		
07 71 19 00-0003			Aluminum Gravel Stop (07 71 19 00-0002)		
07 71 19 00-0004			KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0003)		
07 71 19 00-0005			0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0006	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	39.84	1.96
			<i>For Up To 25 LF, Add</i>	6.29	
			<i>For &gt;25 To 100 LF, Add</i>	3.14	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0007	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	41.15	2.30
			<i>For Up To 25 LF, Add</i>	6.84	
			<i>For &gt;25 To 100 LF, Add</i>	3.42	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0008	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.51	2.53
			<i>For Up To 25 LF, Add</i>	7.34	
			<i>For &gt;25 To 100 LF, Add</i>	3.67	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
07 71 19 00-0009			0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0010	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	42.35	1.96
			<i>For Up To 25 LF, Add</i>	6.54	
			<i>For &gt;25 To 100 LF, Add</i>	3.27	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0011	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	43.77	2.30
			<i>For Up To 25 LF, Add</i>	7.10	
			<i>For &gt;25 To 100 LF, Add</i>	3.55	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0012	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.27	2.53
			<i>For Up To 25 LF, Add</i>	7.61	
			<i>For &gt;25 To 100 LF, Add</i>	3.81	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
07 71 19 00-0013			0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop (07 71 19 00-0004)		
07 71 19 00-0014	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop	45.62	1.96
			<i>For Up To 25 LF, Add</i>	6.87	
			<i>For &gt;25 To 100 LF, Add</i>	3.43	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0015	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	46.90	2.30
			<i>For Up To 25 LF, Add</i>	7.41	
			<i>For &gt;25 To 100 LF, Add</i>	3.71	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0016	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	48.75	2.53
			<i>For Up To 25 LF, Add</i>	7.96	
			<i>For &gt;25 To 100 LF, Add</i>	3.98	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
<b>07 71 19 00-0017</b>			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0004)</small>		
07 71 19 00-0018	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	47.84	1.96
			<i>For Up To 25 LF, Add</i>	7.09	
			<i>For &gt;25 To 100 LF, Add</i>	3.54	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0019	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	49.20	2.30
			<i>For Up To 25 LF, Add</i>	7.64	
			<i>For &gt;25 To 100 LF, Add</i>	3.82	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0020	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop.....	51.19	2.53
			<i>For Up To 25 LF, Add</i>	8.20	
			<i>For &gt;25 To 100 LF, Add</i>	4.10	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
<b>07 71 19 00-0021</b>			<b>Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0003)</small>		
<b>07 71 19 00-0022</b>			<b>0.032" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0023	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	25.93	1.96
			<i>For Up To 25 LF, Add</i>	4.90	
			<i>For &gt;25 To 100 LF, Add</i>	2.45	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0024	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	27.95	2.30
			<i>For Up To 25 LF, Add</i>	5.52	
			<i>For &gt;25 To 100 LF, Add</i>	2.76	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0025	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop.....	29.97	2.53
			<i>For Up To 25 LF, Add</i>	6.08	
			<i>For &gt;25 To 100 LF, Add</i>	3.04	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
<b>07 71 19 00-0026</b>			<b>0.040" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0027	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	28.02	1.96
			<i>For Up To 25 LF, Add</i>	5.11	
			<i>For &gt;25 To 100 LF, Add</i>	2.55	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0028	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	29.76	2.30
			<i>For Up To 25 LF, Add</i>	5.70	
			<i>For &gt;25 To 100 LF, Add</i>	2.85	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0029	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop.....	31.36	2.53
			<i>For Up To 25 LF, Add</i>	6.22	
			<i>For &gt;25 To 100 LF, Add</i>	3.11	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
<b>07 71 19 00-0030</b>			<b>0.050" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0031	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	30.11	1.96
			<i>For Up To 25 LF, Add</i>	5.32	
			<i>For &gt;25 To 100 LF, Add</i>	2.66	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0032	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	31.84	2.30
			<i>For Up To 25 LF, Add</i>	5.90	
			<i>For &gt;25 To 100 LF, Add</i>	2.95	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0033	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop.....	33.62	2.53
			<i>For Up To 25 LF, Add</i>	6.45	
			<i>For &gt;25 To 100 LF, Add</i>	3.22	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
<b>07 71 19 00-0034</b>			<b>0.063" Thick, Mill Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0021)</small>		
07 71 19 00-0035	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	32.37	1.96
			<i>For Up To 25 LF, Add</i>	5.54	
			<i>For &gt;25 To 100 LF, Add</i>	2.77	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0036	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	33.93	2.30
			<i>For Up To 25 LF, Add</i>	6.11	
			<i>For &gt;25 To 100 LF, Add</i>	3.06	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0037	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop.....	35.30	2.53
			<i>For Up To 25 LF, Add</i>	6.61	
			<i>For &gt;25 To 100 LF, Add</i>	3.31	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
<b>07 71 19 00-0038</b>			<b>Clear Anodized Finish, Aluminum Gravel Stop</b> <small>(07 71 19 00-0003)</small>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0039			<b>0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> (07 71 19 00-0038)		
07 71 19 00-0040	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	47.56	1.96
			For Up To 25 LF, Add	7.06	
			For >25 To 100 LF, Add	3.53	
			For >1,000 LF, Deduct	-0.58	
07 71 19 00-0041	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	49.21	2.30
			For Up To 25 LF, Add	7.64	
			For >25 To 100 LF, Add	3.82	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0042	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	50.68	2.53
			For Up To 25 LF, Add	8.15	
			For >25 To 100 LF, Add	4.08	
			For >1,000 LF, Deduct	-0.77	
07 71 19 00-0043			<b>0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> (07 71 19 00-0038)		
07 71 19 00-0044	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	50.57	1.96
			For Up To 25 LF, Add	7.36	
			For >25 To 100 LF, Add	3.68	
			For >1,000 LF, Deduct	-0.58	
07 71 19 00-0045	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	52.35	2.30
			For Up To 25 LF, Add	7.96	
			For >25 To 100 LF, Add	3.98	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0046	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	53.97	2.53
			For Up To 25 LF, Add	8.48	
			For >25 To 100 LF, Add	4.24	
			For >1,000 LF, Deduct	-0.77	
07 71 19 00-0047			<b>0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> (07 71 19 00-0038)		
07 71 19 00-0048	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	54.49	1.96
			For Up To 25 LF, Add	7.75	
			For >25 To 100 LF, Add	3.88	
			For >1,000 LF, Deduct	-0.58	
07 71 19 00-0049	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	56.11	2.30
			For Up To 25 LF, Add	8.33	
			For >25 To 100 LF, Add	4.17	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0050	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	57.45	2.53
			For Up To 25 LF, Add	8.83	
			For >25 To 100 LF, Add	4.41	
			For >1,000 LF, Deduct	-0.77	
07 71 19 00-0051			<b>0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop</b> (07 71 19 00-0038)		
07 71 19 00-0052	LF		4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	57.16	1.96
			For Up To 25 LF, Add	8.02	
			For >25 To 100 LF, Add	4.01	
			For >1,000 LF, Deduct	-0.58	
07 71 19 00-0053	LF		>6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	58.87	2.30
			For Up To 25 LF, Add	8.61	
			For >25 To 100 LF, Add	4.30	
			For >1,000 LF, Deduct	-0.68	
07 71 19 00-0054	LF		>10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop .....	60.32	2.53
			For Up To 25 LF, Add	9.12	
			For >25 To 100 LF, Add	4.56	
			For >1,000 LF, Deduct	-0.77	
07 71 19 00-0055			<b>Aluminum Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0002)		
			Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0056			<b>KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0055)		
07 71 19 00-0057			<b>0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0056)		
07 71 19 00-0058	LF		4" To 6" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	44.93	2.07
			For Up To 25 LF, Add	7.03	
			For >25 To 100 LF, Add	3.51	
			For >1,000 LF, Deduct	-0.63	
07 71 19 00-0059	LF		>6" To 10" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	47.75	2.47
			For Up To 25 LF, Add	7.77	
			For >25 To 100 LF, Add	3.88	
			For >1,000 LF, Deduct	-0.75	
07 71 19 00-0060	LF		>10" To 18" Face Height, 0.032" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat .....	50.98	2.82
			For Up To 25 LF, Add	8.51	
			For >25 To 100 LF, Add	4.25	
			For >1,000 LF, Deduct	-0.85	
07 71 19 00-0061			<b>0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0056)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0062	LF		4" To 6" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	47.44 7.28 3.64 -0.63	2.07
07 71 19 00-0063	LF		>6" To 10" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	50.36 8.03 4.01 -0.75	2.47
07 71 19 00-0064	LF		>10" To 18" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	53.74 8.78 4.39 -0.85	2.82
<b>07 71 19 00-0065</b>			<b>0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0066	LF		4" To 6" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	50.71 7.60 3.80 -0.63	2.07
07 71 19 00-0067	LF		>6" To 10" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	53.50 8.34 4.17 -0.75	2.47
07 71 19 00-0068	LF		>10" To 18" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	57.21 9.13 4.56 -0.85	2.82
<b>07 71 19 00-0069</b>			<b>0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0056)</small>		
07 71 19 00-0070	LF		4" To 6" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	52.93 7.83 3.91 -0.63	2.07
07 71 19 00-0071	LF		>6" To 10" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	55.80 8.57 4.29 -0.75	2.47
07 71 19 00-0072	LF		>10" To 18" Face Height, 0.063" Thick, KYNAR 500® Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	59.65 9.37 4.69 -0.85	2.82
<b>07 71 19 00-0073</b>			<b>Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
<b>07 71 19 00-0074</b>			<b>0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0075	LF		4" To 6" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	32.95 5.83 2.91 -0.63	2.07
07 71 19 00-0076	LF		>6" To 10" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	35.25 6.52 3.26 -0.75	2.47
07 71 19 00-0077	LF		>10" To 18" Face Height, 0.032" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	37.91 7.20 3.60 -0.85	2.82
<b>07 71 19 00-0078</b>			<b>0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0079	LF		4" To 6" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	34.68 6.00 3.00 -0.63	2.07
07 71 19 00-0080	LF		>6" To 10" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	37.06 6.70 3.35 -0.75	2.47
07 71 19 00-0081	LF		>10" To 18" Face Height, 0.040" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	39.82 7.39 3.70 -0.85	2.82

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0082			<b>0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0083	LF		4" To 6" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	36.94	2.07
			<i>For Up To 25 LF, Add</i>	6.23	
			<i>For &gt;25 To 100 LF, Add</i>	3.11	
			<i>For &gt;1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0084	LF		>6" To 10" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	39.21	2.47
			<i>For Up To 25 LF, Add</i>	6.91	
			<i>For &gt;25 To 100 LF, Add</i>	3.46	
			<i>For &gt;1,000 LF, Deduct</i>	-0.75	
07 71 19 00-0085	LF		>10" To 18" Face Height, 0.050" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	42.08	2.82
			<i>For Up To 25 LF, Add</i>	7.62	
			<i>For &gt;25 To 100 LF, Add</i>	3.81	
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	
07 71 19 00-0086			<b>0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0073)</small>		
07 71 19 00-0087	LF		4" To 6" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	38.47	2.07
			<i>For Up To 25 LF, Add</i>	6.38	
			<i>For &gt;25 To 100 LF, Add</i>	3.19	
			<i>For &gt;1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0088	LF		>6" To 10" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	40.80	2.47
			<i>For Up To 25 LF, Add</i>	7.07	
			<i>For &gt;25 To 100 LF, Add</i>	3.54	
			<i>For &gt;1,000 LF, Deduct</i>	-0.75	
07 71 19 00-0089	LF		>10" To 18" Face Height, 0.063" Thick, Mill Finish, Aluminum Gravel Stop System With Continuous Cleat.....	43.76	2.82
			<i>For Up To 25 LF, Add</i>	7.78	
			<i>For &gt;25 To 100 LF, Add</i>	3.89	
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	
07 71 19 00-0090			<b>Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0055)</small>		
07 71 19 00-0091			<b>0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0090)</small>		
07 71 19 00-0092	LF		4" To 6" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	52.65	2.07
			<i>For Up To 25 LF, Add</i>	7.80	
			<i>For &gt;25 To 100 LF, Add</i>	3.90	
			<i>For &gt;1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0093	LF		>6" To 10" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	55.80	2.47
			<i>For Up To 25 LF, Add</i>	8.57	
			<i>For &gt;25 To 100 LF, Add</i>	4.29	
			<i>For &gt;1,000 LF, Deduct</i>	-0.75	
07 71 19 00-0094	LF		>10" To 18" Face Height, 0.032" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	59.14	2.82
			<i>For Up To 25 LF, Add</i>	9.32	
			<i>For &gt;25 To 100 LF, Add</i>	4.66	
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	
07 71 19 00-0095			<b>0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0090)</small>		
07 71 19 00-0096	LF		4" To 6" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	55.66	2.07
			<i>For Up To 25 LF, Add</i>	8.10	
			<i>For &gt;25 To 100 LF, Add</i>	4.05	
			<i>For &gt;1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0097	LF		>6" To 10" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	58.94	2.47
			<i>For Up To 25 LF, Add</i>	8.89	
			<i>For &gt;25 To 100 LF, Add</i>	4.44	
			<i>For &gt;1,000 LF, Deduct</i>	-0.75	
07 71 19 00-0098	LF		>10" To 18" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	62.43	2.82
			<i>For Up To 25 LF, Add</i>	9.65	
			<i>For &gt;25 To 100 LF, Add</i>	4.83	
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	
07 71 19 00-0099			<b>0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat</b> <small>(07 71 19 00-0090)</small>		
07 71 19 00-0100	LF		4" To 6" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	59.59	2.07
			<i>For Up To 25 LF, Add</i>	8.49	
			<i>For &gt;25 To 100 LF, Add</i>	4.25	
			<i>For &gt;1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0101	LF		>6" To 10" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	62.70	2.47
			<i>For Up To 25 LF, Add</i>	9.26	
			<i>For &gt;25 To 100 LF, Add</i>	4.63	
			<i>For &gt;1,000 LF, Deduct</i>	-0.75	
07 71 19 00-0102	LF		>10" To 18" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	65.91	2.82
			<i>For Up To 25 LF, Add</i>	10.00	
			<i>For &gt;25 To 100 LF, Add</i>	5.00	
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 71 19 00-0103	0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat <sup>(07 71 19 00-0090)</sup>		
07 71 19 00-0104	LF 4" To 6" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	62.25	2.07
	For Up To 25 LF, Add	8.76	
	For >25 To 100 LF, Add	4.38	
	For >1,000 LF, Deduct	-0.63	
07 71 19 00-0105	LF >6" To 10" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	65.46	2.47
	For Up To 25 LF, Add	9.54	
	For >25 To 100 LF, Add	4.77	
	For >1,000 LF, Deduct	-0.75	
07 71 19 00-0106	LF >10" To 18" Face Height, 0.063" Thick, Clear Anodized Finish, Aluminum Gravel Stop System With Continuous Cleat.....	68.78	2.82
	For Up To 25 LF, Add	10.29	
	For >25 To 100 LF, Add	5.14	
	For >1,000 LF, Deduct	-0.85	
07 71 19 00-0107	Stainless Steel Gravel Stop <sup>(07 71 19 00-0001)</sup>		
07 71 19 00-0108	Stainless Steel Gravel Stop <sup>(07 71 19 00-0107)</sup>		
07 71 19 00-0109	26 Gauge, Stainless Steel Gravel Stop <sup>(07 71 19 00-0108)</sup>		
07 71 19 00-0110	LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop.....	38.19	1.96
	For Up To 25 LF, Add	6.12	
	For >25 To 100 LF, Add	3.06	
	For >1,000 LF, Deduct	-0.58	
07 71 19 00-0111	LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop .....	50.20	2.30
	For Up To 25 LF, Add	7.74	
	For >25 To 100 LF, Add	3.87	
	For >1,000 LF, Deduct	-0.68	
07 71 19 00-0112	LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop .....	74.53	2.53
	For Up To 25 LF, Add	10.54	
	For >25 To 100 LF, Add	5.27	
	For >1,000 LF, Deduct	-0.77	
07 71 19 00-0113	24 Gauge, Stainless Steel Gravel Stop <sup>(07 71 19 00-0108)</sup>		
07 71 19 00-0114	LF 4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop.....	47.59	1.96
	For Up To 25 LF, Add	7.06	
	For >25 To 100 LF, Add	3.53	
	For >1,000 LF, Deduct	-0.58	
07 71 19 00-0115	LF >6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop .....	62.74	2.30
	For Up To 25 LF, Add	8.99	
	For >25 To 100 LF, Add	4.50	
	For >1,000 LF, Deduct	-0.68	
07 71 19 00-0116	LF >10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop .....	93.34	2.53
	For Up To 25 LF, Add	12.42	
	For >25 To 100 LF, Add	6.21	
	For >1,000 LF, Deduct	-0.77	
07 71 19 00-0117	22 Gauge, Stainless Steel Gravel Stop <sup>(07 71 19 00-0108)</sup>		
07 71 19 00-0118	LF 4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop.....	57.59	1.96
	For Up To 25 LF, Add	8.06	
	For >25 To 100 LF, Add	4.03	
	For >1,000 LF, Deduct	-0.58	
07 71 19 00-0119	LF >6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop .....	76.07	2.30
	For Up To 25 LF, Add	10.33	
	For >25 To 100 LF, Add	5.16	
	For >1,000 LF, Deduct	-0.68	
07 71 19 00-0120	LF >10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop .....	113.33	2.53
	For Up To 25 LF, Add	14.42	
	For >25 To 100 LF, Add	7.21	
	For >1,000 LF, Deduct	-0.77	
07 71 19 00-0121	Stainless Steel Gravel Stop System With Continuous Cleat <sup>(07 71 19 00-0107)</sup>		
	Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0122	26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <sup>(07 71 19 00-0121)</sup>		
07 71 19 00-0123	LF 4" To 6" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	45.13	2.07
	For Up To 25 LF, Add	7.05	
	For >25 To 100 LF, Add	3.52	
	For >1,000 LF, Deduct	-0.63	
07 71 19 00-0124	LF >6" To 10" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	59.21	2.47
	For Up To 25 LF, Add	8.91	
	For >25 To 100 LF, Add	4.46	
	For >1,000 LF, Deduct	-0.75	
07 71 19 00-0125	LF >10" To 18" Face Height, 26 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat.....	86.12	2.82
	For Up To 25 LF, Add	12.02	
	For >25 To 100 LF, Add	6.01	
	For >1,000 LF, Deduct	-0.85	
07 71 19 00-0126	24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat <sup>(07 71 19 00-0121)</sup>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0127	LF		4" To 6" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	54.53	2.07
			<i>For Up To 25 LF, Add</i>	7.99	
			<i>For &gt;25 To 100 LF, Add</i>	3.99	
			<i>For &gt;1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0128	LF		>6" To 10" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	71.75	2.47
			<i>For Up To 25 LF, Add</i>	10.17	
			<i>For &gt;25 To 100 LF, Add</i>	5.08	
			<i>For &gt;1,000 LF, Deduct</i>	-0.75	
07 71 19 00-0129	LF		>10" To 18" Face Height, 24 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	104.93	2.82
			<i>For Up To 25 LF, Add</i>	13.90	
			<i>For &gt;25 To 100 LF, Add</i>	6.95	
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	
07 71 19 00-0130			<b>22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0121)		
07 71 19 00-0131	LF		4" To 6" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	64.53	2.07
			<i>For Up To 25 LF, Add</i>	8.99	
			<i>For &gt;25 To 100 LF, Add</i>	4.49	
			<i>For &gt;1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0132	LF		>6" To 10" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	85.08	2.47
			<i>For Up To 25 LF, Add</i>	11.50	
			<i>For &gt;25 To 100 LF, Add</i>	5.75	
			<i>For &gt;1,000 LF, Deduct</i>	-0.75	
07 71 19 00-0133	LF		>10" To 18" Face Height, 22 Gauge, Stainless Steel Gravel Stop System With Continuous Cleat .....	124.91	2.82
			<i>For Up To 25 LF, Add</i>	15.90	
			<i>For &gt;25 To 100 LF, Add</i>	7.95	
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	
07 71 19 00-0134			<b>Galvanized Steel Gravel Stop</b> (07 71 19 00-0001)		
07 71 19 00-0135			<b>Galvanized Steel Gravel Stop</b> (07 71 19 00-0134)		
07 71 19 00-0136			<b>KYNAR 500® Finish, Galvanized Steel Gravel Stop</b> (07 71 19 00-0135)		
07 71 19 00-0137			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop</b> (07 71 19 00-0136)		
07 71 19 00-0138	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop .....	36.54	1.96
			<i>For Up To 25 LF, Add</i>	5.96	
			<i>For &gt;25 To 100 LF, Add</i>	2.98	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0139	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop .....	37.80	2.30
			<i>For Up To 25 LF, Add</i>	6.50	
			<i>For &gt;25 To 100 LF, Add</i>	3.25	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	
07 71 19 00-0140	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop .....	39.32	2.53
			<i>For Up To 25 LF, Add</i>	7.02	
			<i>For &gt;25 To 100 LF, Add</i>	3.51	
			<i>For &gt;1,000 LF, Deduct</i>	-0.77	
07 71 19 00-0141			<b>Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0134) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
07 71 19 00-0142			<b>KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0141)		
07 71 19 00-0143			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0142)		
07 71 19 00-0144	LF		4" To 6" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	41.78	2.07
			<i>For Up To 25 LF, Add</i>	6.71	
			<i>For &gt;25 To 100 LF, Add</i>	3.36	
			<i>For &gt;1,000 LF, Deduct</i>	-0.63	
07 71 19 00-0145	LF		>6" To 10" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	44.58	2.47
			<i>For Up To 25 LF, Add</i>	7.45	
			<i>For &gt;25 To 100 LF, Add</i>	3.73	
			<i>For &gt;1,000 LF, Deduct</i>	-0.75	
07 71 19 00-0146	LF		>10" To 18" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Gravel Stop System With Continuous Cleat .....	48.03	2.82
			<i>For Up To 25 LF, Add</i>	8.21	
			<i>For &gt;25 To 100 LF, Add</i>	4.11	
			<i>For &gt;1,000 LF, Deduct</i>	-0.85	
07 71 19 00-0147			<b>Copper Gravel Stop</b> (07 71 19 00-0001)		
07 71 19 00-0148			<b>Copper Gravel Stop</b> (07 71 19 00-0147)		
07 71 19 00-0149			<b>20 Ounce, Copper Gravel Stop</b> (07 71 19 00-0148)		
07 71 19 00-0150	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop .....	61.26	1.96
			<i>For Up To 25 LF, Add</i>	8.43	
			<i>For &gt;25 To 100 LF, Add</i>	4.22	
			<i>For &gt;1,000 LF, Deduct</i>	-0.58	
07 71 19 00-0151	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop .....	70.14	2.30
			<i>For Up To 25 LF, Add</i>	9.73	
			<i>For &gt;25 To 100 LF, Add</i>	4.87	
			<i>For &gt;1,000 LF, Deduct</i>	-0.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0152	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	81.03 11.19 5.59 -0.77	2.53
<b>07 71 19 00-0153</b>			<b>16 Ounce, Copper Gravel Stop</b> (07 71 19 00-0148)		
07 71 19 00-0154	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	74.43 9.75 4.87 -0.58	1.96
07 71 19 00-0155	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	86.23 11.34 5.67 -0.68	2.30
07 71 19 00-0156	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	98.58 12.94 6.47 -0.77	2.53
<b>07 71 19 00-0157</b>			<b>Copper Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0147) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0158</b>			<b>20 Ounce, Copper Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0157)		
07 71 19 00-0159	LF		4" To 6" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	63.73 8.91 4.45 -0.63	2.07
07 71 19 00-0160	LF		>6" To 10" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	73.31 10.32 5.16 -0.75	2.47
07 71 19 00-0161	LF		>10" To 18" Face Height, 20 Ounce, Copper Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	85.06 11.91 5.96 -0.85	2.82
<b>07 71 19 00-0162</b>			<b>16 Ounce, Copper Gravel Stop System With Continuous Cleat</b> (07 71 19 00-0157)		
07 71 19 00-0163	LF		4" To 6" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	76.90 10.22 5.11 -0.63	2.07
07 71 19 00-0164	LF		>6" To 10" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	89.40 11.93 5.97 -0.75	2.47
07 71 19 00-0165	LF		>10" To 18" Face Height, 16 Ounce, Copper Gravel Stop System With Continuous Cleat ..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	102.61 13.67 6.83 -0.85	2.82
<b>07 71 19 00-0166</b>			<b>Fascia</b> (07 71 19)		
<b>07 71 19 00-0167</b>			<b>Snap-On Cover Fascia</b> (07 71 19 00-0166) Note: Includes matching joint splice plate, galvanized steel cleats and stainless steel fasteners.		
<b>07 71 19 00-0168</b>			<b>Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0167)		
<b>07 71 19 00-0169</b>			<b>KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0168)		
<b>07 71 19 00-0170</b>			<b>24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia</b> (07 71 19 00-0169)		
07 71 19 00-0171	LF		3" To 5" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	44.71 6.78 3.39 -0.58	2.88
07 71 19 00-0172	LF		>5" To 7" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	50.32 7.43 3.71 -0.60	2.99
07 71 19 00-0173	LF		>7" To 9" Face Height, 24 Gauge, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia System With Continuous Cleat..... <i>For Up To 25 LF, Add</i> <i>For &gt;25 To 100 LF, Add</i> <i>For &gt;1,000 LF, Deduct</i>	53.90 7.88 3.94 -0.62	3.11
<b>07 71 19 00-0174</b>			<b>Accessories For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> (07 71 19 00-0169)		
<b>07 71 19 00-0175</b>			<b>Fascia Sumps For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems</b> (07 71 19 00-0174)		
07 71 19 00-0176	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	312.46	4.03
07 71 19 00-0177	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	333.75	4.03
07 71 19 00-0178	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	347.13	4.03

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0179			Fascia Spillout Scuppers For KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems <small>(07 71 19 00-0174)</small>		
07 71 19 00-0180	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	254.47	4.03
07 71 19 00-0181	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	265.22	4.03
07 71 19 00-0182	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Galvanized Steel Snap-On Cover Fascia Systems.....	271.76	4.03
07 71 19 00-0183			Aluminum Snap-On Cover Fascia <small>(07 71 19 00-0167)</small>		
07 71 19 00-0184			KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0185			0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		
07 71 19 00-0186	LF		3" To 5" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	27.32	2.88
			For Up To 25 LF, Add	5.04	
			For >25 To 100 LF, Add	2.52	
			For >1,000 LF, Deduct	-0.58	
07 71 19 00-0187	LF		>5" To 7" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	30.95	2.99
			For Up To 25 LF, Add	5.49	
			For >25 To 100 LF, Add	2.75	
			For >1,000 LF, Deduct	-0.60	
07 71 19 00-0188	LF		>7" To 9" Face Height, 0.040" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	32.86	3.11
			For Up To 25 LF, Add	5.77	
			For >25 To 100 LF, Add	2.89	
			For >1,000 LF, Deduct	-0.62	
07 71 19 00-0189			0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0184)</small>		
07 71 19 00-0190	LF		3" To 5" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	28.73	2.88
			For Up To 25 LF, Add	5.18	
			For >25 To 100 LF, Add	2.59	
			For >1,000 LF, Deduct	-0.58	
07 71 19 00-0191	LF		>5" To 7" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	32.77	2.99
			For Up To 25 LF, Add	5.67	
			For >25 To 100 LF, Add	2.84	
			For >1,000 LF, Deduct	-0.60	
07 71 19 00-0192	LF		>7" To 9" Face Height, 0.050" Thick, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	34.89	3.11
			For Up To 25 LF, Add	5.98	
			For >25 To 100 LF, Add	2.99	
			For >1,000 LF, Deduct	-0.62	
07 71 19 00-0193			Accessories For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0184)</small>		
07 71 19 00-0194			Fascia Sumps For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>		
07 71 19 00-0195	EA		Fascia Sump For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	179.65	4.03
07 71 19 00-0196	EA		Fascia Sump For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	194.89	4.03
07 71 19 00-0197	EA		Fascia Sump For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	201.56	4.03
07 71 19 00-0198			Fascia Spillout Scuppers For KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems <small>(07 71 19 00-0193)</small>		
07 71 19 00-0199	EA		Fascia Spillout Scupper For 3" To 5" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	142.09	4.03
07 71 19 00-0200	EA		Fascia Spillout Scupper For >5" To 7" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	149.68	4.03
07 71 19 00-0201	EA		Fascia Spillout Scupper For >7" To 9" Face Height, KYNAR 500® Finish, Aluminum Snap-On Cover Fascia Systems.....	153.00	4.03
07 71 19 00-0202			Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0183)</small>		
07 71 19 00-0203			0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat <small>(07 71 19 00-0202)</small>		
07 71 19 00-0204	LF		3" To 5" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	31.63	2.88
			For Up To 25 LF, Add	5.47	
			For >25 To 100 LF, Add	2.73	
			For >1,000 LF, Deduct	-0.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 19 00-0205	LF		>5" To 7" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	35.95	2.99
			For Up To 25 LF, Add	5.99	
			For >25 To 100 LF, Add	3.00	
			For >1,000 LF, Deduct	-0.60	
07 71 19 00-0206	LF		>7" To 9" Face Height, 0.040" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	38.18	3.11
			For Up To 25 LF, Add	6.31	
			For >25 To 100 LF, Add	3.15	
			For >1,000 LF, Deduct	-0.62	
<b>07 71 19 00-0207</b>			<b>0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat</b> (07 71 19 00-0202)		
07 71 19 00-0208	LF		3" To 5" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	33.33	2.88
			For Up To 25 LF, Add	5.64	
			For >25 To 100 LF, Add	2.82	
			For >1,000 LF, Deduct	-0.58	
07 71 19 00-0209	LF		>5" To 7" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	38.12	2.99
			For Up To 25 LF, Add	6.21	
			For >25 To 100 LF, Add	3.10	
			For >1,000 LF, Deduct	-0.60	
07 71 19 00-0210	LF		>7" To 9" Face Height, 0.050" Thick, Clear Anodized Finish, Aluminum Snap-On Cover Fascia System With Continuous Cleat.....	40.62	3.11
			For Up To 25 LF, Add	6.55	
			For >25 To 100 LF, Add	3.28	
			For >1,000 LF, Deduct	-0.62	
<b>07 71 19 00-0211</b>			<b>Accessories For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0202)		
<b>07 71 19 00-0212</b>			<b>Fascia Sumps For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0211)		
07 71 19 00-0213	EA		Fascia Sump For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	222.55	4.03
07 71 19 00-0214	EA		Fascia Sump For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	241.60	4.03
07 71 19 00-0215	EA		Fascia Sump For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	249.93	4.03
<b>07 71 19 00-0216</b>			<b>Fascia Spillout Scuppers For Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems</b> (07 71 19 00-0211)		
07 71 19 00-0217	EA		Fascia Spillout Scupper For 3" To 5" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	175.59	4.03
07 71 19 00-0218	EA		Fascia Spillout Scupper For >5" To 7" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	185.08	4.03
07 71 19 00-0219	EA		Fascia Spillout Scupper For >7" To 9" Face Height, Clear Anodized Finish, Aluminum Snap-On Cover Fascia Systems.....	189.23	4.03
<b>07 71 23</b>			<b>Manufactured Gutters and Downspouts</b> (07 71)		
			Note: Includes all necessary support straps.		
<b>07 71 23 00-0001</b>			<b>Aluminum Gutters And Downspouts</b> (07 71 23)		
<b>07 71 23 00-0002</b>			<b>Aluminum Gutters</b> (07 71 23 00-0001)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0003</b>			<b>K-Style Aluminum Gutters</b> (07 71 23 00-0002)		
07 71 23 00-0004	LF		5", 0.027" Thick, K-Style Aluminum Gutter .....	11.97	5.08
			For Up To 100', Add	2.46	
			For >100' To 250', Add	1.02	
			For >1,000', Deduct	-0.84	
			For Kynar 500® Finish, Add	1.61	
07 71 23 00-0005	LF		6", 0.027" Thick, K-Style Aluminum Gutter .....	13.38	5.37
			For Up To 100', Add	2.66	
			For >100' To 250', Add	1.11	
			For >1,000', Deduct	-0.88	
			For Kynar 500® Finish, Add	2.06	
07 71 23 00-0006	LF		5", 0.032" Thick, K-Style Aluminum Gutter .....	12.49	5.08
			For Up To 100', Add	2.51	
			For >100' To 250', Add	1.04	
			For >1,000', Deduct	-0.84	
			For Kynar 500® Finish, Add	1.85	
07 71 23 00-0007	LF		6", 0.032" Thick, K-Style Aluminum Gutter .....	14.04	5.37
			For Up To 100', Add	2.73	
			For >100' To 250', Add	1.14	
			For >1,000', Deduct	-0.88	
			For Kynar 500® Finish, Add	2.35	
07 71 23 00-0008	LF		7", 0.032" Thick, K-Style Aluminum Gutter .....	26.39	5.64
			For Up To 100', Add	4.06	
			For >100' To 250', Add	1.79	
			For >1,000', Deduct	-0.95	
			For Kynar 500® Finish, Add	7.61	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0009	LF	8", 0.032" Thick, K-Style Aluminum Gutter	.....	28.92	6.32
		<i>For Up To 100', Add</i>		4.46	
		<i>For &gt;100' To 250', Add</i>		1.97	
		<i>For &gt;1,000', Deduct</i>		-1.05	
		<i>For Kynar 500® Finish, Add</i>		8.31	
07 71 23 00-0010	LF	8", 0.040" Thick, K-Style Aluminum Gutter	.....	32.49	6.32
		<i>For Up To 100', Add</i>		4.82	
		<i>For &gt;100' To 250', Add</i>		2.15	
		<i>For &gt;1,000', Deduct</i>		-1.05	
		<i>For Kynar 500® Finish, Add</i>		9.92	
<b>07 71 23 00-0011</b>		<b>Half Round Aluminum Gutters</b> (07 71 23 00-0002)			
07 71 23 00-0012	LF	5", 0.027" Thick, Half Round Aluminum Gutter	.....	22.30	5.08
		<i>For Up To 100', Add</i>		3.49	
		<i>For &gt;100' To 250', Add</i>		1.53	
		<i>For &gt;1,000', Deduct</i>		-0.84	
		<i>For Kynar 500® Finish, Add</i>		6.26	
07 71 23 00-0013	LF	6", 0.032" Thick, Half Round Aluminum Gutter	.....	26.92	5.37
		<i>For Up To 100', Add</i>		4.01	
		<i>For &gt;100' To 250', Add</i>		1.79	
		<i>For &gt;1,000', Deduct</i>		-0.88	
		<i>For Kynar 500® Finish, Add</i>		8.15	
<b>07 71 23 00-0014</b>		<b>Box Style Aluminum Gutters</b> (07 71 23 00-0002)			
07 71 23 00-0015	LF	6", 0.027" Thick, Box Style Aluminum Gutter	.....	23.36	6.32
		<i>For Up To 100', Add</i>		3.90	
		<i>For &gt;100' To 250', Add</i>		1.69	
		<i>For &gt;1,000', Deduct</i>		-1.05	
		<i>For Kynar 500® Finish, Add</i>		5.81	
07 71 23 00-0016	LF	6", 0.032" Thick, Box Style Aluminum Gutter	.....	23.42	6.32
		<i>For Up To 100', Add</i>		3.91	
		<i>For &gt;100' To 250', Add</i>		1.69	
		<i>For &gt;1,000', Deduct</i>		-1.05	
		<i>For Kynar 500® Finish, Add</i>		5.84	
07 71 23 00-0017	LF	7", 0.032" Thick, Box Style Aluminum Gutter	.....	27.30	6.74
		<i>For Up To 100', Add</i>		4.40	
		<i>For &gt;100' To 250', Add</i>		1.92	
		<i>For &gt;1,000', Deduct</i>		-1.11	
		<i>For Kynar 500® Finish, Add</i>		7.27	
07 71 23 00-0018	LF	8", 0.032" Thick, Box Style Aluminum Gutter	.....	30.86	7.15
		<i>For Up To 100', Add</i>		4.86	
		<i>For &gt;100' To 250', Add</i>		2.13	
		<i>For &gt;1,000', Deduct</i>		-1.18	
		<i>For Kynar 500® Finish, Add</i>		8.56	
<b>07 71 23 00-0019</b>		<b>Aluminum Gutter End Caps</b> (07 71 23 00-0001)			
<b>07 71 23 00-0020</b>		<b>K-Style, Aluminum Gutter End Caps</b> (07 71 23 00-0019)			
07 71 23 00-0021	EA	5", K-Style Aluminum Gutter End Cap	.....	3.99	
		<i>For Kynar 500® Finish, Add</i>		0.56	
07 71 23 00-0022	EA	6", K-Style Aluminum Gutter End Cap	.....	5.00	
		<i>For Kynar 500® Finish, Add</i>		1.01	
07 71 23 00-0023	EA	7", K-Style Aluminum Gutter End Cap	.....	11.16	
		<i>For Kynar 500® Finish, Add</i>		3.78	
07 71 23 00-0024	EA	8", K-Style Aluminum Gutter End Cap	.....	13.04	
		<i>For Kynar 500® Finish, Add</i>		4.63	
<b>07 71 23 00-0025</b>		<b>Half Round, Aluminum Gutter End Caps</b> (07 71 23 00-0019)			
07 71 23 00-0026	EA	5", Half Round Aluminum Gutter End Cap	.....	6.58	
		<i>For Kynar 500® Finish, Add</i>		1.72	
07 71 23 00-0027	EA	6", Half Round Aluminum Gutter End Cap	.....	10.31	
		<i>For Kynar 500® Finish, Add</i>		3.40	
<b>07 71 23 00-0028</b>		<b>Box Style, Aluminum Gutter End Caps</b> (07 71 23 00-0019)			
07 71 23 00-0029	EA	6", Box Style Aluminum Gutter End Cap	.....	12.19	
		<i>For Kynar 500® Finish, Add</i>		4.25	
07 71 23 00-0030	EA	7", Box Style Aluminum Gutter End Cap	.....	13.27	
		<i>For Kynar 500® Finish, Add</i>		4.73	
07 71 23 00-0031	EA	8", Box Style Aluminum Gutter End Cap	.....	15.62	
		<i>For Kynar 500® Finish, Add</i>		5.79	
<b>07 71 23 00-0032</b>		<b>Aluminum Gutter Miters</b> (07 71 23 00-0001)			
		Note: Inside or outside miters.			
<b>07 71 23 00-0033</b>		<b>K-Style, Aluminum Gutter Miters</b> (07 71 23 00-0032)			
07 71 23 00-0034	EA	5", K-Style Aluminum Gutter Miter	.....	23.73	
		<i>For Kynar 500® Finish, Add</i>		4.43	
07 71 23 00-0035	EA	6", K-Style Aluminum Gutter Miter	.....	31.89	
		<i>For Kynar 500® Finish, Add</i>		7.66	
07 71 23 00-0036	EA	7", K-Style Aluminum Gutter Miter	.....	97.79	
		<i>For Kynar 500® Finish, Add</i>		36.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0037	EA		8", K-Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	106.18 40.17	
<b>07 71 23 00-0038</b>			<b>Half Round, Aluminum Gutter Miters (07 71 23 00-0032)</b>		
07 71 23 00-0039	EA		5", Half Round Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	41.79 12.56	
07 71 23 00-0040	EA		6", Half Round Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	66.25 23.13	
<b>07 71 23 00-0041</b>			<b>Box Style, Aluminum Gutter Miters (07 71 23 00-0032)</b>		
07 71 23 00-0042	EA		6", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	79.10 28.91	
07 71 23 00-0043	EA		7", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	118.30 46.12	
07 71 23 00-0044	EA		8", Box Style Aluminum Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	128.49 50.21	
<b>07 71 23 00-0045</b>			<b>Aluminum Gutter Wire Strainers (07 71 23 00-0001)</b>		
07 71 23 00-0046	EA		3" Diameter, Round Aluminum Wire Strainer ..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	16.62 4.26 1.32 2.74 3.97	3.44
07 71 23 00-0047	EA		4" Diameter, Round Aluminum Wire Strainer ..... <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	24.59 7.84 2.44 5.05 7.32	3.44
<b>07 71 23 00-0048</b>			<b>Aluminum Downspouts (07 71 23 00-0001)</b> Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0049</b>			<b>Round Aluminum Downspouts (07 71 23 00-0048)</b>		
07 71 23 00-0050	LF		3" Diameter, 0.019" Thick, Round Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	8.48 1.38 0.60 -0.36 2.21 0.69 1.42 2.06	3.30
07 71 23 00-0051	LF		4" Diameter, 0.019" Thick, Round Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	9.63 1.50 0.66 -0.36 2.73 0.85 1.76 2.55	3.30
<b>07 71 23 00-0052</b>			<b>Rectangular Aluminum Downspouts (07 71 23 00-0048)</b>		
07 71 23 00-0053	LF		2" x 3", 0.019" Thick, Rectangular Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	6.09 1.14 0.48 -0.36 1.13 0.35 0.73 1.06	3.30
07 71 23 00-0054	LF		3" x 4", 0.019" Thick, Rectangular Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	7.55 1.29 0.56 -0.36 1.79 0.56 1.15 1.67	3.30
07 71 23 00-0055	LF		4" x 5", 0.019" Thick, Rectangular Aluminum Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 0.024" Thick, Add</i> <i>For 0.027" Thick, Add</i> <i>For 0.031" Thick, Add</i>	13.71 1.91 0.86 -0.36 4.56 1.42 2.94 4.26	3.30
<b>07 71 23 00-0056</b>			<b>Aluminum Devices (07 71 23 00-0001)</b>		
07 71 23 00-0057	EA		Thru-Wall Aluminum Scupper Outlet ..... <i>For Kynar 500® Finish, Add</i>	263.93 80.05	25.82
07 71 23 00-0058	EA		Aluminum Leader/Conductor Head ..... <i>For Kynar 500® Finish, Add</i>	270.89 96.09	28.68

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0059			Copper Gutters And Downspouts (07 71 23)		
07 71 23 00-0060			Copper Gutters (07 71 23 00-0059) Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0061			K-Style Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0062	LF		4", 16 Ounce, K-Style Copper Gutter.....	18.89	4.81
			For Up To 100', Add	3.09	
			For >100' To 250', Add	1.34	
			For >1,000', Deduct	-0.80	
07 71 23 00-0063	LF		5", 16 Ounce, K-Style Copper Gutter.....	26.11	5.08
			For Up To 100', Add	3.87	
			For >100' To 250', Add	1.73	
			For >1,000', Deduct	-0.84	
07 71 23 00-0064	LF		6", 16 Ounce, K-Style Copper Gutter.....	30.88	5.37
			For Up To 100', Add	4.41	
			For >100' To 250', Add	1.98	
			For >1,000', Deduct	-0.88	
07 71 23 00-0065	LF		5", 20 Ounce, K-Style Copper Gutter.....	32.48	5.08
			For Up To 100', Add	4.51	
			For >100' To 250', Add	2.04	
			For >1,000', Deduct	-0.84	
07 71 23 00-0066	LF		6", 20 Ounce, K-Style Copper Gutter.....	39.90	5.37
			For Up To 100', Add	5.31	
			For >100' To 250', Add	2.44	
			For >1,000', Deduct	-0.88	
07 71 23 00-0067	LF		7", 20 Ounce, K-Style Copper Gutter.....	46.50	5.64
			For Up To 100', Add	6.07	
			For >100' To 250', Add	2.80	
			For >1,000', Deduct	-0.95	
07 71 23 00-0068	LF		8", 20 Ounce, K-Style Copper Gutter.....	51.66	6.32
			For Up To 100', Add	6.73	
			For >100' To 250', Add	3.11	
			For >1,000', Deduct	-1.05	
07 71 23 00-0069			Half Round Copper Gutters (07 71 23 00-0060)		
07 71 23 00-0070	LF		5", 16 Ounce, Half Round Copper Gutter.....	22.79	5.08
			For Up To 100', Add	3.54	
			For >100' To 250', Add	1.56	
			For >1,000', Deduct	-0.84	
07 71 23 00-0071	LF		6", 16 Ounce, Half Round Copper Gutter.....	28.41	5.37
			For Up To 100', Add	4.16	
			For >100' To 250', Add	1.86	
			For >1,000', Deduct	-0.88	
07 71 23 00-0072	LF		7", 16 Ounce, Half Round Copper Gutter.....	46.39	5.64
			For Up To 100', Add	6.06	
			For >100' To 250', Add	2.79	
			For >1,000', Deduct	-0.95	
07 71 23 00-0073	LF		5", 20 Ounce, Half Round Copper Gutter.....	26.27	5.08
			For Up To 100', Add	3.89	
			For >100' To 250', Add	1.73	
			For >1,000', Deduct	-0.84	
07 71 23 00-0074	LF		6", 20 Ounce, Half Round Copper Gutter.....	32.10	5.37
			For Up To 100', Add	4.53	
			For >100' To 250', Add	2.05	
			For >1,000', Deduct	-0.88	
07 71 23 00-0075	LF		7", 20 Ounce, Half Round Copper Gutter.....	48.65	5.64
			For Up To 100', Add	6.29	
			For >100' To 250', Add	2.91	
			For >1,000', Deduct	-0.95	
07 71 23 00-0076	LF		8", 20 Ounce, Half Round Copper Gutter.....	55.19	6.32
			For Up To 100', Add	7.09	
			For >100' To 250', Add	3.28	
			For >1,000', Deduct	-1.05	
07 71 23 00-0077			Copper Gutter End Caps (07 71 23 00-0059)		
07 71 23 00-0078			K-Style, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0079	EA		4", K-Style Copper Gutter End Cap.....	6.51	
07 71 23 00-0080	EA		5", K-Style Copper Gutter End Cap.....	6.93	
07 71 23 00-0081	EA		6", K-Style Copper Gutter End Cap.....	7.34	
07 71 23 00-0082	EA		7", K-Style Copper Gutter End Cap.....	18.47	
07 71 23 00-0083	EA		8", K-Style Copper Gutter End Cap.....	22.37	
07 71 23 00-0084			Half Round, Copper Gutter End Caps (07 71 23 00-0077)		
07 71 23 00-0085	EA		4", Half Round Copper Gutter End Cap.....	7.74	
07 71 23 00-0086	EA		5", Half Round Copper Gutter End Cap.....	8.62	
07 71 23 00-0087	EA		6", Half Round Copper Gutter End Cap.....	12.70	
07 71 23 00-0088	EA		7", Half Round Copper Gutter End Cap.....	36.93	
07 71 23 00-0089	EA		8", Half Round Copper Gutter End Cap.....	43.50	
07 71 23 00-0090			Copper Gutter Miters (07 71 23 00-0059) Note: Inside or outside miters.		
07 71 23 00-0091			K-Style, Copper Gutter Miters (07 71 23 00-0090)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0092	EA		4", K-Style Copper Gutter Miter .....	40.81	
07 71 23 00-0093	EA		5", K-Style Copper Gutter Miter .....	46.05	
07 71 23 00-0094	EA		6", K-Style Copper Gutter Miter .....	65.10	
07 71 23 00-0095	EA		7", K-Style Copper Gutter Miter .....	90.90	
07 71 23 00-0096	EA		8", K-Style Copper Gutter Miter .....	106.26	
<b>07 71 23 00-0097</b>			<b>Half Round, Copper Gutter Miters (07 71 23 00-0090)</b>		
07 71 23 00-0098	EA		4", Half Round Copper Gutter Miter .....	62.05	
07 71 23 00-0099	EA		5", Half Round Copper Gutter Miter .....	57.82	
07 71 23 00-0100	EA		6", Half Round Copper Gutter Miter .....	82.13	
07 71 23 00-0101	EA		7", Half Round Copper Gutter Miter .....	97.51	
07 71 23 00-0102	EA		8", Half Round Copper Gutter Miter .....	114.82	
<b>07 71 23 00-0103</b>			<b>Copper Gutter Wire Strainers (07 71 23 00-0059)</b>		
07 71 23 00-0104	EA		2" Diameter, Round Copper Wire Strainer .....	21.48	3.44
07 71 23 00-0105	EA		3" Diameter, Round Copper Wire Strainer .....	26.18	3.44
07 71 23 00-0106	EA		4" Diameter, Round Copper Wire Strainer .....	41.54	3.44
07 71 23 00-0107	EA		5" Diameter, Round Copper Wire Strainer .....	54.91	3.44
07 71 23 00-0108	EA		6" Diameter, Round Copper Wire Strainer .....	66.11	3.44
<b>07 71 23 00-0109</b>			<b>Copper Downspouts (07 71 23 00-0059)</b>		
			Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0110</b>			<b>Round Copper Downspouts (07 71 23 00-0109)</b>		
07 71 23 00-0111	LF		2" Diameter, 16 Ounce, Round Copper Downspout .....	25.11	3.30
			For Up To 100', Add	3.05	
			For >100 To 250', Add	1.43	
			For >1,000', Deduct	-0.36	
07 71 23 00-0112	LF		3" Diameter, 16 Ounce, Round Copper Downspout .....	17.76	3.30
			For Up To 100', Add	2.31	
			For >100 To 250', Add	1.07	
			For >1,000', Deduct	-0.36	
07 71 23 00-0113	LF		4" Diameter, 16 Ounce, Round Copper Downspout .....	22.15	3.30
			For Up To 100', Add	2.75	
			For >100 To 250', Add	1.29	
			For >1,000', Deduct	-0.36	
07 71 23 00-0114	LF		5" Diameter, 16 Ounce, Round Copper Downspout .....	34.87	3.30
			For Up To 100', Add	4.02	
			For >100 To 250', Add	1.92	
			For >1,000', Deduct	-0.36	
07 71 23 00-0115	LF		6" Diameter, 16 Ounce, Round Copper Downspout .....	44.58	3.30
			For Up To 100', Add	4.99	
			For >100 To 250', Add	2.41	
			For >1,000', Deduct	-0.36	
07 71 23 00-0116	LF		3" Diameter, 20 Ounce, Round Copper Downspout .....	23.71	3.30
			For Up To 100', Add	2.91	
			For >100 To 250', Add	1.36	
			For >1,000', Deduct	-0.36	
07 71 23 00-0117	LF		4" Diameter, 20 Ounce, Round Copper Downspout .....	30.50	3.30
			For Up To 100', Add	3.59	
			For >100 To 250', Add	1.70	
			For >1,000', Deduct	-0.36	
07 71 23 00-0118	LF		5" Diameter, 20 Ounce, Round Copper Downspout .....	45.91	3.30
			For Up To 100', Add	5.13	
			For >100 To 250', Add	2.47	
			For >1,000', Deduct	-0.36	
<b>07 71 23 00-0119</b>			<b>Square Copper Downspouts (07 71 23 00-0109)</b>		
07 71 23 00-0120	LF		3" Diameter, 16 Ounce, Square Copper Downspout .....	12.57	3.30
			For Up To 100', Add	1.79	
			For >100 To 250', Add	0.81	
			For >1,000', Deduct	-0.36	
07 71 23 00-0121	LF		4" Diameter, 16 Ounce, Square Copper Downspout .....	15.49	3.30
			For Up To 100', Add	2.08	
			For >100 To 250', Add	0.95	
			For >1,000', Deduct	-0.36	
07 71 23 00-0122	LF		5" Diameter, 16 Ounce, Square Copper Downspout .....	21.79	3.30
			For Up To 100', Add	2.71	
			For >100 To 250', Add	1.27	
			For >1,000', Deduct	-0.36	
07 71 23 00-0123	LF		3" Diameter, 20 Ounce, Square Copper Downspout .....	14.37	3.30
			For Up To 100', Add	1.97	
			For >100 To 250', Add	0.90	
			For >1,000', Deduct	-0.36	
07 71 23 00-0124	LF		4" Diameter, 20 Ounce, Square Copper Downspout .....	18.02	3.30
			For Up To 100', Add	2.34	
			For >100 To 250', Add	1.08	
			For >1,000', Deduct	-0.36	
07 71 23 00-0125	LF		5" Diameter, 20 Ounce, Square Copper Downspout .....	25.50	3.30
			For Up To 100', Add	3.09	
			For >100 To 250', Add	1.45	
			For >1,000', Deduct	-0.36	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0126			<b>Rectangular Copper Downspouts</b> (07 71 23 00-0109)		
07 71 23 00-0127	LF		2" x 3", 16 Ounce, Rectangular Copper Downspout .....	18.21	3.30
			For Up To 100', Add	2.36	
			For >100 To 250', Add	1.09	
			For >1,000', Deduct	-0.36	
07 71 23 00-0128	LF		3" x 4", 16 Ounce, Rectangular Copper Downspout .....	22.80	3.30
			For Up To 100', Add	2.82	
			For >100 To 250', Add	1.32	
			For >1,000', Deduct	-0.36	
07 71 23 00-0129	LF		4" x 5", 16 Ounce, Rectangular Copper Downspout .....	32.06	3.30
			For Up To 100', Add	3.74	
			For >100 To 250', Add	1.78	
			For >1,000', Deduct	-0.36	
07 71 23 00-0130	LF		2" x 3", 20 Ounce, Rectangular Copper Downspout .....	21.06	3.30
			For Up To 100', Add	2.64	
			For >100 To 250', Add	1.23	
			For >1,000', Deduct	-0.36	
07 71 23 00-0131	LF		3" x 4", 20 Ounce, Rectangular Copper Downspout .....	26.75	3.30
			For Up To 100', Add	3.21	
			For >100 To 250', Add	1.52	
			For >1,000', Deduct	-0.36	
07 71 23 00-0132	LF		4" x 5", 20 Ounce, Rectangular Copper Downspout .....	38.02	3.30
			For Up To 100', Add	4.34	
			For >100 To 250', Add	2.08	
			For >1,000', Deduct	-0.36	
07 71 23 00-0133			<b>Copper Devices And Accessories</b> (07 71 23 00-0059)		
07 71 23 00-0134	EA		Thru-Wall Copper Scupper Outlet .....	208.64	25.81
07 71 23 00-0135	EA		Copper Leader/Conductor Head .....	290.76	28.68
07 71 23 00-0136	EA		Copper Eave Box .....	136.60	20.63
07 71 23 00-0137			<b>Galvanized Steel Gutters And Downspouts</b> (07 71 23)		
07 71 23 00-0138			<b>Galvanized Steel Gutters</b> (07 71 23 00-0137)		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
07 71 23 00-0139			<b>K-Style Galvanized Steel Gutters</b> (07 71 23 00-0138)		
07 71 23 00-0140	LF		5", 26 Gauge, K-Style Galvanized Steel Gutter .....	14.90	5.08
			For Up To 100', Add	2.75	
			For >100' To 250', Add	1.16	
			For >1,000', Deduct	-0.84	
			For Kynar 500® Finish, Add	2.93	
			For 24 Gauge, Add	1.82	
			For 22 Gauge, Add	3.58	
07 71 23 00-0141	LF		6", 26 Gauge, K-Style Galvanized Steel Gutter .....	17.31	5.37
			For Up To 100', Add	3.05	
			For >100' To 250', Add	1.31	
			For >1,000', Deduct	-0.88	
			For Kynar 500® Finish, Add	3.83	
			For 24 Gauge, Add	2.38	
			For 22 Gauge, Add	4.68	
07 71 23 00-0142	LF		7", 26 Gauge, K-Style Galvanized Steel Gutter .....	35.65	5.64
			For Up To 100', Add	4.99	
			For >100' To 250', Add	2.26	
			For >1,000', Deduct	-0.95	
			For Kynar 500® Finish, Add	11.77	
			For 24 Gauge, Add	7.32	
			For 22 Gauge, Add	14.39	
07 71 23 00-0143	LF		8", 26 Gauge, K-Style Galvanized Steel Gutter .....	37.60	6.32
			For Up To 100', Add	5.33	
			For >100' To 250', Add	2.40	
			For >1,000', Deduct	-1.05	
			For Kynar 500® Finish, Add	12.22	
			For 24 Gauge, Add	7.60	
			For 22 Gauge, Add	14.93	
07 71 23 00-0144			<b>Half Round Galvanized Steel Gutters</b> (07 71 23 00-0138)		
07 71 23 00-0145	LF		5", 26 Gauge, Half Round Galvanized Steel Gutter .....	21.63	5.08
			For Up To 100', Add	3.42	
			For >100' To 250', Add	1.50	
			For >1,000', Deduct	-0.84	
			For Kynar 500® Finish, Add	5.96	
			For 24 Gauge, Add	3.71	
			For 22 Gauge, Add	7.28	
07 71 23 00-0146	LF		6", 26 Gauge, Half Round Galvanized Steel Gutter .....	27.22	5.37
			For Up To 100', Add	4.04	
			For >100' To 250', Add	1.80	
			For >1,000', Deduct	-0.88	
			For Kynar 500® Finish, Add	8.28	
			For 24 Gauge, Add	5.15	
			For 22 Gauge, Add	10.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0147	LF	7"	26 Gauge, Half Round Galvanized Steel Gutter.....	68.14	5.64
			<i>For Up To 100', Add</i>	8.24	
			<i>For &gt;100' To 250', Add</i>	3.88	
			<i>For &gt;1,000', Deduct</i>	-0.95	
			<i>For Kynar 500® Finish, Add</i>	26.39	
			<i>For 24 Gauge, Add</i>	16.42	
			<i>For 22 Gauge, Add</i>	32.26	
07 71 23 00-0148	LF	8"	26 Gauge, Half Round Galvanized Steel Gutter.....	72.70	6.32
			<i>For Up To 100', Add</i>	8.84	
			<i>For &gt;100' To 250', Add</i>	4.16	
			<i>For &gt;1,000', Deduct</i>	-1.05	
			<i>For Kynar 500® Finish, Add</i>	28.01	
			<i>For 24 Gauge, Add</i>	17.43	
			<i>For 22 Gauge, Add</i>	34.24	
<b>07 71 23 00-0149</b>			<b>Box Style Galvanized Steel Gutters (07 71 23 00-0138)</b>		
07 71 23 00-0150	LF	5"	24 Gauge, Box Style Galvanized Steel Gutter.....	25.86	5.78
			<i>For Up To 100', Add</i>	4.03	
			<i>For &gt;100' To 250', Add</i>	1.77	
			<i>For &gt;1,000', Deduct</i>	-0.96	
			<i>For Kynar 500® Finish, Add</i>	7.31	
			<i>For 22 Gauge, Add</i>	3.57	
07 71 23 00-0151	LF	6"	24 Gauge, Box Style Galvanized Steel Gutter.....	30.34	6.32
			<i>For Up To 100', Add</i>	4.60	
			<i>For &gt;100' To 250', Add</i>	2.04	
			<i>For &gt;1,000', Deduct</i>	-1.05	
			<i>For Kynar 500® Finish, Add</i>	8.95	
			<i>For 22 Gauge, Add</i>	4.38	
07 71 23 00-0152	LF	7"	24 Gauge, Box Style Galvanized Steel Gutter.....	38.24	5.64
			<i>For Up To 100', Add</i>	5.25	
			<i>For &gt;100' To 250', Add</i>	2.39	
			<i>For &gt;1,000', Deduct</i>	-0.95	
			<i>For Kynar 500® Finish, Add</i>	12.94	
			<i>For 22 Gauge, Add</i>	6.33	
07 71 23 00-0153	LF	8"	24 Gauge, Box Style Galvanized Steel Gutter.....	42.51	7.15
			<i>For Up To 100', Add</i>	6.03	
			<i>For &gt;100' To 250', Add</i>	2.72	
			<i>For &gt;1,000', Deduct</i>	-1.18	
			<i>For Kynar 500® Finish, Add</i>	13.81	
			<i>For 22 Gauge, Add</i>	6.75	
<b>07 71 23 00-0154</b>			<b>Galvanized Steel Gutter End Caps (07 71 23 00-0137)</b>		
<b>07 71 23 00-0155</b>			<b>K-Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)</b>		
07 71 23 00-0156	EA	5"	K-Style Galvanized Steel Gutter End Cap.....	6.65	
			<i>For Kynar 500® Finish, Add</i>	1.76	
07 71 23 00-0157	EA	6"	K-Style Galvanized Steel Gutter End Cap.....	7.68	
			<i>For Kynar 500® Finish, Add</i>	2.22	
07 71 23 00-0158	EA	7"	K-Style Galvanized Steel Gutter End Cap.....	16.79	
			<i>For Kynar 500® Finish, Add</i>	6.32	
07 71 23 00-0159	EA	8"	K-Style Galvanized Steel Gutter End Cap.....	24.40	
			<i>For Kynar 500® Finish, Add</i>	9.74	
<b>07 71 23 00-0160</b>			<b>Half Round, Galvanized Steel Gutter End Caps (07 71 23 00-0154)</b>		
07 71 23 00-0161	EA	5"	Half Round Galvanized Steel Gutter End Cap.....	8.58	
			<i>For Kynar 500® Finish, Add</i>	2.62	
07 71 23 00-0162	EA	6"	Half Round Galvanized Steel Gutter End Cap.....	9.89	
			<i>For Kynar 500® Finish, Add</i>	3.21	
07 71 23 00-0163	EA	7"	Half Round Galvanized Steel Gutter End Cap.....	18.53	
			<i>For Kynar 500® Finish, Add</i>	7.10	
07 71 23 00-0164	EA	8"	Half Round Galvanized Steel Gutter End Cap.....	25.09	
			<i>For Kynar 500® Finish, Add</i>	10.05	
<b>07 71 23 00-0165</b>			<b>Box Style, Galvanized Steel Gutter End Caps (07 71 23 00-0154)</b>		
07 71 23 00-0166	EA	5"	Box Style Galvanized Steel Gutter End Cap.....	15.48	
			<i>For Kynar 500® Finish, Add</i>	5.73	
07 71 23 00-0167	EA	6"	Box Style Galvanized Steel Gutter End Cap.....	18.66	
			<i>For Kynar 500® Finish, Add</i>	7.16	
07 71 23 00-0168	EA	7"	Box Style Galvanized Steel Gutter End Cap.....	20.92	
			<i>For Kynar 500® Finish, Add</i>	8.18	
07 71 23 00-0169	EA	8"	Box Style Galvanized Steel Gutter End Cap.....	28.06	
			<i>For Kynar 500® Finish, Add</i>	11.39	
<b>07 71 23 00-0170</b>			<b>Galvanized Steel Gutter Miters (07 71 23 00-0137)</b>		
			Note: Inside or outside miters.		
<b>07 71 23 00-0171</b>			<b>K-Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)</b>		
07 71 23 00-0172	EA	5"	K-Style Galvanized Steel Gutter Miter.....	40.34	
			<i>For Kynar 500® Finish, Add</i>	11.90	
07 71 23 00-0173	EA	6"	K-Style Galvanized Steel Gutter Miter.....	65.46	
			<i>For Kynar 500® Finish, Add</i>	22.77	
07 71 23 00-0174	EA	7"	K-Style Galvanized Steel Gutter Miter.....	104.81	
			<i>For Kynar 500® Finish, Add</i>	40.05	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0175	EA		8", K-Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	117.82 45.41	
<b>07 71 23 00-0176</b>			<b>Half Round, Galvanized Steel Gutter Miters (07 71 23 00-0170)</b>		
07 71 23 00-0177	EA		5", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	55.29 18.63	
07 71 23 00-0178	EA		6", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	62.15 21.28	
07 71 23 00-0179	EA		7", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	176.64 72.37	
07 71 23 00-0180	EA		8", Half Round Galvanized Steel Gutter Miter..... <i>For Kynar 500® Finish, Add</i>	186.67 76.39	
<b>07 71 23 00-0181</b>			<b>Box Style, Galvanized Steel Gutter Miters (07 71 23 00-0170)</b>		
07 71 23 00-0182	EA		5", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	52.29 17.28	
07 71 23 00-0183	EA		6", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	85.25 31.68	
07 71 23 00-0184	EA		7", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	110.76 42.72	
07 71 23 00-0185	EA		8", Box Style Galvanized Steel Gutter Miter ..... <i>For Kynar 500® Finish, Add</i>	117.82 45.41	
<b>07 71 23 00-0186</b>			<b>Galvanized Steel Gutter Wire Strainers (07 71 23 00-0137)</b>		
07 71 23 00-0187	EA		3" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	14.69 3.39	3.44
07 71 23 00-0188	EA		4" Diameter, Round Galvanized Steel Wire Strainer..... <i>For Kynar 500® Finish, Add</i>	21.11 6.28	3.44
<b>07 71 23 00-0189</b>			<b>Galvanized Steel Downspouts (07 71 23 00-0137)</b> Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0190</b>			<b>Round Galvanized Steel Downspouts (07 71 23 00-0189)</b>		
07 71 23 00-0191	LF		3" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	8.33 1.37 0.60 -0.36 2.14 1.33 2.62	3.30
07 71 23 00-0192	LF		4" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	10.36 1.57 0.70 -0.36 3.06 1.90 3.73	3.30
07 71 23 00-0193	LF		5" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	14.12 1.95 0.88 -0.36 4.75 2.95 5.80	3.30
07 71 23 00-0194	LF		6" Diameter, 26 Gauge, Round Galvanized Steel Downspout..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	31.50 3.69 1.75 -0.36 12.57 7.82 15.36	3.30
<b>07 71 23 00-0195</b>			<b>Square Galvanized Steel Downspouts (07 71 23 00-0189)</b>		
07 71 23 00-0196	LF		4" x 4", 26 Gauge, Square Galvanized Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	9.46 1.48 0.65 -0.36 2.65 1.65 3.24	3.30
07 71 23 00-0197	LF		5" x 5", 26 Gauge, Square Galvanized Steel Downspout ..... <i>For Up To 100', Add</i> <i>For &gt;100 To 250', Add</i> <i>For &gt;1,000', Deduct</i> <i>For Kynar 500® Finish, Add</i> <i>For 24 Gauge, Add</i> <i>For 22 Gauge, Add</i>	12.14 1.75 0.79 -0.36 3.86 2.40 4.71	3.30
<b>07 71 23 00-0198</b>			<b>Rectangular Galvanized Steel Downspouts (07 71 23 00-0189)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0199	LF		2" x 3", 26 Gauge, Rectangular Galvanized Steel Downspout.....	8.48	3.30
			For Up To 100', Add	1.38	
			For >100 To 250', Add	0.60	
			For >1,000', Deduct	-0.36	
			For Kynar 500® Finish, Add	2.21	
			For 24 Gauge, Add	1.37	
			For 22 Gauge, Add	2.70	
07 71 23 00-0200	LF		3" x 4", 26 Gauge, Rectangular Galvanized Steel Downspout.....	10.83	3.30
			For Up To 100', Add	1.62	
			For >100 To 250', Add	0.72	
			For >1,000', Deduct	-0.36	
			For Kynar 500® Finish, Add	3.27	
			For 24 Gauge, Add	2.03	
			For 22 Gauge, Add	3.99	
07 71 23 00-0201	LF		4" x 5", 26 Gauge, Rectangular Galvanized Steel Downspout.....	20.17	3.30
			For Up To 100', Add	2.55	
			For >100 To 250', Add	1.19	
			For >1,000', Deduct	-0.36	
			For Kynar 500® Finish, Add	7.47	
			For 24 Gauge, Add	4.65	
			For 22 Gauge, Add	9.13	
<b>07 71 23 00-0202</b>			<b>Galvanized Steel Devices (07 71 23 00-0137)</b>		
07 71 23 00-0203	EA		Galvanized Steel Leader/Conductor Head .....	361.19	28.68
			For Kynar 500® Finish, Add	136.72	
07 71 23 00-0204	EA		Thru-Wall Galvanized Steel Scupper Outlet .....	195.48	25.82
			For Kynar 500® Finish, Add	49.25	
<b>07 71 23 00-0205</b>			<b>Stainless Steel Gutters And Downspouts (07 71 23)</b>		
			Note: AISI type 304 stainless steel.		
<b>07 71 23 00-0206</b>			<b>Stainless Steel Gutters (07 71 23 00-0205)</b>		
			Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0207</b>			<b>K-Style, Stainless Steel Gutters (07 71 23 00-0206)</b>		
07 71 23 00-0208	LF		5", 26 Gauge, K-Style Stainless Steel Gutter.....	26.84	5.08
			For Up To 100', Add	3.94	
			For >100' To 250', Add	1.76	
			For >1,000', Deduct	-0.84	
			For 316 Stainless Steel, Add	7.01	
			For 24 Gauge, Add	6.09	
			For 22 Gauge, Add	12.18	
			For 20 Gauge, Add	18.27	
07 71 23 00-0209	LF		6", 26 Gauge, K-Style Stainless Steel Gutter.....	31.88	5.37
			For Up To 100', Add	4.51	
			For >100' To 250', Add	2.03	
			For >1,000', Deduct	-0.88	
			For 316 Stainless Steel, Add	8.77	
			For 24 Gauge, Add	7.61	
			For 22 Gauge, Add	15.23	
			For 20 Gauge, Add	22.84	
<b>07 71 23 00-0210</b>			<b>Half Round, Stainless Steel Gutters (07 71 23 00-0206)</b>		
07 71 23 00-0211	LF		5", 26 Gauge, Half Round Stainless Steel Gutter .....	36.33	5.08
			For Up To 100', Add	4.89	
			For >100' To 250', Add	2.24	
			For >1,000', Deduct	-0.84	
			For 316 Stainless Steel, Add	10.62	
			For 24 Gauge, Add	9.22	
			For 22 Gauge, Add	18.44	
			For 20 Gauge, Add	27.66	
07 71 23 00-0212	LF		6", 26 Gauge, Half Round Stainless Steel Gutter .....	43.68	5.37
			For Up To 100', Add	5.69	
			For >100' To 250', Add	2.62	
			For >1,000', Deduct	-0.88	
			For 316 Stainless Steel, Add	13.25	
			For 24 Gauge, Add	11.51	
			For 22 Gauge, Add	23.01	
			For 20 Gauge, Add	34.52	
<b>07 71 23 00-0213</b>			<b>Box Style, Stainless Steel Gutters (07 71 23 00-0206)</b>		
07 71 23 00-0214	LF		5", 26 Gauge, Box Style Stainless Steel Gutter .....	35.93	5.78
			For Up To 100', Add	5.04	
			For >100' To 250', Add	2.28	
			For >1,000', Deduct	-0.96	
			For 316 Stainless Steel, Add	10.00	
			For 24 Gauge, Add	8.68	
			For 22 Gauge, Add	17.36	
			For 20 Gauge, Add	26.05	
			For Seamless Gutter, Add	0.13	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0215	LF		6", 26 Gauge, Box Style Stainless Steel Gutter .....	43.51	6.32
			<i>For Up To 100', Add</i>	5.92	
			<i>For &gt;100' To 250', Add</i>	2.70	
			<i>For &gt;1,000', Deduct</i>	-1.05	
			<i>For 316 Stainless Steel, Add</i>	12.56	
			<i>For 24 Gauge, Add</i>	10.91	
			<i>For 22 Gauge, Add</i>	21.82	
			<i>For 20 Gauge, Add</i>	32.73	
			<i>For Seamless Gutter, Add</i>	-0.09	
07 71 23 00-0216	LF		7", 26 Gauge, Box Style Stainless Steel Gutter .....	51.09	6.74
			<i>For Up To 100', Add</i>	6.78	
			<i>For &gt;100' To 250', Add</i>	3.11	
			<i>For &gt;1,000', Deduct</i>	-1.11	
			<i>For 316 Stainless Steel, Add</i>	15.18	
			<i>For 24 Gauge, Add</i>	13.18	
			<i>For 22 Gauge, Add</i>	26.37	
			<i>For 20 Gauge, Add</i>	39.55	
			<i>For Seamless Gutter, Add</i>	-0.33	
07 71 23 00-0217	LF		8", 26 Gauge, Box Style Stainless Steel Gutter .....	55.48	7.15
			<i>For Up To 100', Add</i>	7.32	
			<i>For &gt;100' To 250', Add</i>	3.37	
			<i>For &gt;1,000', Deduct</i>	-1.18	
			<i>For 316 Stainless Steel, Add</i>	16.59	
			<i>For 24 Gauge, Add</i>	14.40	
			<i>For 22 Gauge, Add</i>	28.81	
			<i>For 20 Gauge, Add</i>	43.21	
			<i>For Seamless Gutter, Add</i>	-0.41	
07 71 23 00-0218			<b>Stainless Steel Gutter End Caps (07 71 23 00-0205)</b>		
07 71 23 00-0219			<b>K-Style, Stainless Steel Gutter End Caps (07 71 23 00-0218)</b>		
07 71 23 00-0220	EA		5", K-Style Stainless Steel Gutter End Cap .....	8.52	
			<i>For 316 Stainless Steel, Add</i>	2.19	
07 71 23 00-0221	EA		6", K-Style Stainless Steel Gutter End Cap .....	9.68	
			<i>For 316 Stainless Steel, Add</i>	2.63	
07 71 23 00-0222			<b>Half Round, Stainless Steel Gutter End Caps (07 71 23 00-0218)</b>		
07 71 23 00-0223	EA		5", Half Round Stainless Steel Gutter End Cap .....	9.97	
			<i>For 316 Stainless Steel, Add</i>	2.74	
07 71 23 00-0224	EA		6", Half Round Stainless Steel Gutter End Cap .....	11.41	
			<i>For 316 Stainless Steel, Add</i>	3.29	
07 71 23 00-0225			<b>Box Style, Stainless Steel Gutter End Caps (07 71 23 00-0218)</b>		
07 71 23 00-0226	EA		5", Box Style Stainless Steel Gutter End Cap .....	10.66	
			<i>For 316 Stainless Steel, Add</i>	2.74	
07 71 23 00-0227	EA		6", Box Style Stainless Steel Gutter End Cap .....	12.10	
			<i>For 316 Stainless Steel, Add</i>	3.29	
07 71 23 00-0228	EA		7", Box Style Stainless Steel Gutter End Cap .....	12.56	
			<i>For 316 Stainless Steel, Add</i>	3.55	
07 71 23 00-0229	EA		8", Box Style Stainless Steel Gutter End Cap .....	15.18	
			<i>For 316 Stainless Steel, Add</i>	4.38	
07 71 23 00-0230			<b>Stainless Steel Gutter Miters (07 71 23 00-0205)</b>		
			Note: Inside or outside box miters.		
07 71 23 00-0231			<b>K-Style, Stainless Steel Gutter Miters (07 71 23 00-0230)</b>		
07 71 23 00-0232	EA		5", K-Style Stainless Steel Gutter Miter .....	43.72	
			<i>For 316 Stainless Steel, Add</i>	11.34	
07 71 23 00-0233	EA		6", K-Style Stainless Steel Gutter Miter .....	67.78	
			<i>For 316 Stainless Steel, Add</i>	20.11	
07 71 23 00-0234	EA		7", K-Style Stainless Steel Gutter Miter .....	78.00	
			<i>For 316 Stainless Steel, Add</i>	23.63	
07 71 23 00-0235			<b>Half Round, Stainless Steel Gutter Miters (07 71 23 00-0230)</b>		
07 71 23 00-0236	EA		5", Half Round Stainless Steel Gutter Miter .....	101.44	
			<i>For 316 Stainless Steel, Add</i>	33.27	
07 71 23 00-0237	EA		6", Half Round Stainless Steel Gutter Miter .....	123.54	
			<i>For 316 Stainless Steel, Add</i>	41.30	
07 71 23 00-0238			<b>Box-Style, Stainless Steel Gutter Miters (07 71 23 00-0230)</b>		
07 71 23 00-0239	EA		5", Box-Style Stainless Steel Gutter Miter .....	49.68	
			<i>For 316 Stainless Steel, Add</i>	13.60	
07 71 23 00-0240	EA		6", Box-Style Stainless Steel Gutter Miter .....	78.36	
			<i>For 316 Stainless Steel, Add</i>	24.13	
07 71 23 00-0241	EA		7", Box-Style Stainless Steel Gutter Miter .....	89.90	
			<i>For 316 Stainless Steel, Add</i>	28.15	
07 71 23 00-0242	EA		8", Box-Style Stainless Steel Gutter Miter .....	101.59	
			<i>For 316 Stainless Steel, Add</i>	32.17	
07 71 23 00-0243			<b>Stainless Steel Gutter Wire Strainers (07 71 23 00-0205)</b>		
07 71 23 00-0244	EA		3" Diameter, Round Stainless Steel Wire Strainer .....	47.69	3.44



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0245 EA 4" Diameter, Round Stainless Steel Wire Strainer.....	48.80	3.44
<b>07 71 23 00-0246 Stainless Steel Downspouts (07 71 23 00-0205)</b>		
Note: Includes elbows, hangers and fasteners.		
<b>07 71 23 00-0247 Round Stainless Steel Downspouts (07 71 23 00-0246)</b>		
07 71 23 00-0248 LF 3" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	15.49	3.30
For Up To 100', Add	2.08	
For >100 To 250', Add	0.95	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	4.53	
For 24 Gauge, Add	3.93	
For 22 Gauge, Add	7.87	
For 20 Gauge, Add	11.80	
07 71 23 00-0249 LF 4" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	20.12	3.30
For Up To 100', Add	2.55	
For >100 To 250', Add	1.18	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	6.29	
For 24 Gauge, Add	5.46	
For 22 Gauge, Add	10.92	
For 20 Gauge, Add	16.38	
07 71 23 00-0250 LF 5" Diameter, 26 Gauge, Round Stainless Steel Downspout.....	28.85	3.30
For Up To 100', Add	3.42	
For >100 To 250', Add	1.62	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	9.61	
For 24 Gauge, Add	8.34	
For 22 Gauge, Add	16.68	
For 20 Gauge, Add	25.03	
<b>07 71 23 00-0251 Rectangular Stainless Steel Downspouts (07 71 23 00-0246)</b>		
07 71 23 00-0252 LF 2" x 3", 26 Gauge, Rectangular Stainless Steel Downspout.....	15.83	3.30
For Up To 100', Add	2.12	
For >100 To 250', Add	0.97	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	4.66	
For 24 Gauge, Add	4.05	
For 22 Gauge, Add	8.09	
For 20 Gauge, Add	12.14	
07 71 23 00-0253 LF 3" x 4", 26 Gauge, Rectangular Stainless Steel Downspout.....	20.81	3.30
For Up To 100', Add	2.62	
For >100 To 250', Add	1.22	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	6.55	
For 24 Gauge, Add	5.69	
For 22 Gauge, Add	11.38	
For 20 Gauge, Add	17.07	
07 71 23 00-0254 LF 4" x 5", 26 Gauge, Rectangular Stainless Steel Downspout.....	26.63	3.30
For Up To 100', Add	3.20	
For >100 To 250', Add	1.51	
For >1,000', Deduct	-0.36	
For 316 Stainless Steel, Add	8.76	
For 24 Gauge, Add	7.61	
For 22 Gauge, Add	15.22	
For 20 Gauge, Add	22.83	
<b>07 71 23 00-0255 Stainless Steel Devices (07 71 23 00-0205)</b>		
07 71 23 00-0256 EA Thru-Wall Stainless Steel Scupper Outlet.....	283.17	30.95
For 316 Stainless Steel, Add	68.41	
07 71 23 00-0257 EA Stainless Steel Leader/Conductor Head.....	494.12	30.95
For 316 Stainless Steel, Add	161.64	
<b>07 71 23 00-0258 Vinyl Gutters And Downspouts (07 71 23)</b>		
<b>07 71 23 00-0259 Vinyl Gutters (07 71 23 00-0258)</b>		
Note: Includes drop outlets, hangers and fasteners. Excludes end caps, miters and downspouts.		
<b>07 71 23 00-0260 K-Style Vinyl Gutters (07 71 23 00-0259)</b>		
07 71 23 00-0261 LF 4", K-Style Vinyl Gutter.....	12.55	3.44
For Up To 100', Add	2.12	
For >100' To 250', Add	0.91	
For >1,000', Deduct	-0.57	
07 71 23 00-0262 LF 5", K-Style Vinyl Gutter.....	16.05	3.44
For Up To 100', Add	2.47	
For >100' To 250', Add	1.09	
For >1,000', Deduct	-0.57	
<b>07 71 23 00-0263 Half Round Vinyl Gutters (07 71 23 00-0259)</b>		
07 71 23 00-0264 LF 4", Half Round Vinyl Gutter.....	12.95	3.44
For Up To 100', Add	2.16	
For >100' To 250', Add	0.93	
For >1,000', Deduct	-0.57	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 71 Roof Specialties**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
07 71 23 00-0265	LF	5", Half Round Vinyl Gutter.....	13.59	3.44
		<i>For Up To 100', Add</i>	2.22	
		<i>For &gt;100' To 250', Add</i>	0.97	
		<i>For &gt;1,000', Deduct</i>	-0.57	
07 71 23 00-0266		Vinyl Gutter End Caps (07 71 23 00-0258)		
07 71 23 00-0267		K-Style, Vinyl Gutter End Caps (07 71 23 00-0266)		
07 71 23 00-0268	EA	4", K-Style Vinyl Gutter End Cap .....	7.69	
07 71 23 00-0269	EA	5", K-Style Vinyl Gutter End Cap .....	10.60	
07 71 23 00-0270		Half Round, Vinyl Gutter End Caps (07 71 23 00-0266)		
07 71 23 00-0271	EA	4", Half Round Vinyl Gutter End Cap .....	8.76	
07 71 23 00-0272	EA	5", Half Round Vinyl Gutter End Cap .....	8.28	
07 71 23 00-0273		Vinyl Gutter Miters (07 71 23 00-0258) Note: Inside or outside miters.		
07 71 23 00-0274		K-Style, Vinyl Gutter Miters (07 71 23 00-0273)		
07 71 23 00-0275	EA	4", K-Style Vinyl Gutter Miter .....	19.00	
07 71 23 00-0276	EA	5", K-Style Vinyl Gutter Miter .....	28.40	
07 71 23 00-0277		Half Round, Vinyl Gutter Miters (07 71 23 00-0273)		
07 71 23 00-0278	EA	4", Half Round Vinyl Gutter Miter .....	19.00	
07 71 23 00-0279	EA	5", Half Round Vinyl Gutter Miter .....	20.62	
07 71 23 00-0280		Vinyl Downspouts (07 71 23 00-0258) Note: Includes elbows, hangers and fasteners.		
07 71 23 00-0281		Round Vinyl Downspouts (07 71 23 00-0280)		
07 71 23 00-0282	LF	2-1/2" Diameter, Round Vinyl Downspout.....	8.22	3.30
		<i>For Up To 100', Add</i>	1.36	
		<i>For &gt;100 To 250', Add</i>	0.59	
		<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0283	LF	3" Diameter, Round Vinyl Downspout.....	8.56	3.30
		<i>For Up To 100', Add</i>	1.39	
		<i>For &gt;100 To 250', Add</i>	0.61	
		<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0284		Square Vinyl Downspouts (07 71 23 00-0280)		
07 71 23 00-0285	LF	2-1/2", Square Vinyl Downspout .....	8.07	3.30
		<i>For Up To 100', Add</i>	1.34	
		<i>For &gt;100 To 250', Add</i>	0.58	
		<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0286		Rectangular Vinyl Downspouts (07 71 23 00-0280)		
07 71 23 00-0287	LF	2" x 3", Rectangular Vinyl Downspout.....	10.27	3.30
		<i>For Up To 100', Add</i>	1.56	
		<i>For &gt;100 To 250', Add</i>	0.69	
		<i>For &gt;1,000', Deduct</i>	-0.36	
07 71 23 00-0288		Gutter And Downspout Boots (07 71 23)		
07 71 23 00-0289		Cast Iron Roof Drainage Downspout Boots (07 71 23 00-0288)		
07 71 23 00-0290	EA	2" x 3" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	345.32	4.95
07 71 23 00-0291	EA	3" x 4" x 18" Long, Cast Iron Roof Drainage Downspout Boot.....	450.23	4.95
07 71 23 00-0292	EA	4" x 5" x 24" Long, Cast Iron Roof Drainage Downspout Boot.....	537.46	4.95
07 71 23 00-0293		Leaf Guards And Cleaning (07 71 23)		
07 71 23 00-0294	LF	Aluminum Mesh Gutter Leaf Guard .....	4.34	1.09
		<i>For Up To 100', Add</i>	0.76	
		<i>For &gt;100' To 250', Add</i>	0.33	
		<i>For &gt;1,000', Deduct</i>	-0.22	
07 71 23 00-0295	LF	Vinyl Mesh Gutter Leaf Guard .....	3.40	1.09
		<i>For Up To 100', Add</i>	0.67	
		<i>For &gt;100' To 250', Add</i>	0.28	
		<i>For &gt;1,000', Deduct</i>	-0.22	
07 71 23 00-0296	LF	6" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire .....	17.25	1.37
		<i>For Up To 100', Add</i>	2.14	
		<i>For &gt;100' To 250', Add</i>	1.00	
		<i>For &gt;1,000', Deduct</i>	-0.28	
07 71 23 00-0297	LF	9" Wide Stainless Steel Gutter Leaf Guard, 1/4" x 1/4" x 0.08" Wire .....	24.52	1.37
		<i>For Up To 100', Add</i>	2.87	
		<i>For &gt;100' To 250', Add</i>	1.37	
		<i>For &gt;1,000', Deduct</i>	-0.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 71 23 00-0298	LF		6" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	13.14 1.64 0.77 -0.22	1.37
07 71 23 00-0299	LF		9" Wide Stainless Steel Gutter Leaf Guard, 3/8" x 3/8" Mesh ..... For Up To 100', Add For >100' To 250', Add For >1,000', Deduct	20.11 2.34 1.11 -0.22	1.37
07 71 23 00-0300	EA		Cleanout Roof Drain ..... Note: Includes removing dome and flushing.	157.86	
07 71 23 00-0301	LF		Cleanout Roof Gutters And Downspouts .....	1.83	

**07 71 26 Reglets (07 71)**

07 71 26 00-0001			Counter Flashing With Reglet (07 71 26) Note: Includes reglet cut.		
07 71 26 00-0002			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0003			Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0004	LF		28 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	15.93	5.12
07 71 26 00-0005	LF		26 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	16.09	5.12
07 71 26 00-0006	LF		24 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	16.36	5.12
07 71 26 00-0007	LF		22 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	17.39	5.12
07 71 26 00-0008	LF		20 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	17.98	5.12
07 71 26 00-0009	LF		18 Gauge, Up To 12" Wide, Galvanized Steel Counter Flashing With Reglet .....	18.65	5.12
07 71 26 00-0010			KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet (07 71 26 00-0002)		
07 71 26 00-0011	LF		28 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	18.49	5.12
07 71 26 00-0012	LF		26 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	18.71	5.12
07 71 26 00-0013	LF		24 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	19.11	5.12
07 71 26 00-0014	LF		22 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	20.60	5.12
07 71 26 00-0015	LF		20 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	21.45	5.12
07 71 26 00-0016	LF		18 Gauge, Up To 12" Wide, KYNAR 500® Finish, Galvanized Steel Counter Flashing With Reglet.....	22.43	5.12
07 71 26 00-0017			Aluminum Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0018			KYNAR 500® Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0019	LF		0.019" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.15	5.12
07 71 26 00-0020	LF		0.025" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	15.92	5.12
07 71 26 00-0021	LF		0.032" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	16.70	5.12
07 71 26 00-0022	LF		0.040" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	17.25	5.12
07 71 26 00-0023	LF		0.050" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	18.50	5.12
07 71 26 00-0024	LF		0.063" Thick, Up To 12" Wide, KYNAR 500® Finish, Aluminum Counter Flashing With Reglet.....	20.31	5.12
07 71 26 00-0025			Mill Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0026	LF		0.019" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	13.38	5.12
07 71 26 00-0027	LF		0.025" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	13.87	5.12
07 71 26 00-0028	LF		0.032" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	14.37	5.12
07 71 26 00-0029	LF		0.040" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	14.72	5.12
07 71 26 00-0030	LF		0.050" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	15.52	5.12
07 71 26 00-0031	LF		0.063" Thick, Up To 12" Wide, Mill Finish, Aluminum Counter Flashing With Reglet .....	16.67	5.12
07 71 26 00-0032			Clear Anodized Finish, Aluminum Counter Flashing With Reglet (07 71 26 00-0017)		
07 71 26 00-0033	LF		0.019" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	14.79	5.12
07 71 26 00-0034	LF		0.025" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	15.50	5.12
07 71 26 00-0035	LF		0.032" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	16.22	5.12
07 71 26 00-0036	LF		0.040" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	16.74	5.12
07 71 26 00-0037	LF		0.050" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	17.89	5.12
07 71 26 00-0038	LF		0.063" Thick, Up To 12" Wide, Clear Anodized Finish, Aluminum Counter Flashing With Reglet .....	19.56	5.12
07 71 26 00-0039			Stainless Steel Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0040			Stainless Steel Counter Flashing With Reglet (07 71 26 00-0039)		
07 71 26 00-0041	LF		24 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	20.00	5.12
07 71 26 00-0042	LF		22 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	21.30	5.12
07 71 26 00-0043	LF		20 Gauge, Up To 12" Wide, Stainless Steel Counter Flashing With Reglet.....	21.73	5.12
07 71 26 00-0044			Copper Counter Flashing With Reglet (07 71 26 00-0001)		
07 71 26 00-0045			Copper Counter Flashing With Reglet (07 71 26 00-0044)		
07 71 26 00-0046	LF		16 Ounce, Up To 12" Wide, Copper Counter Flashing With Reglet.....	53.26	5.12

**07 72 Roof Accessories (07 70)**

**07 72 13 Manufactured Curbs (07 72)**

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0001 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13)</small> Note: Includes fasteners and sealants. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0002 Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small> Note: Includes pressure treated wood nailer, 1-1/2" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction, installation clips and 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips.		
07 72 13 00-0003 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0002)</small>		
07 72 13 00-0004 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs <small>(07 72 13 00-0003)</small>		
07 72 13 00-0005 EA 26" x 26" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	984.92 67.53 166.02 -32.73 13.31 37.44	247.72
07 72 13 00-0006 EA 26" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,000.48 69.08 169.13 -40.19 21.22 43.15	247.72
07 72 13 00-0007 EA 26" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,085.67 73.73 182.30 -49.12 27.64 43.00	278.69
07 72 13 00-0008 EA 26" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,145.30 79.69 194.22 -65.48 33.20 48.56	278.69
07 72 13 00-0009 EA 26" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,189.38 84.10 203.04 20.07 127.54 140.70	278.69
07 72 13 00-0010 EA 26" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,443.12 105.60 249.92 -108.66 -9.95 31.71	309.66
07 72 13 00-0011 EA 38" x 38" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,005.66 69.60 170.17 11.51 99.25 138.73	247.72
07 72 13 00-0012 EA 38" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,088.26 73.99 182.82 -62.50 29.60 66.89	278.69
07 72 13 00-0013 EA 38" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,121.97 77.36 189.56 -77.39 19.10 49.81	278.69
07 72 13 00-0014 EA 38" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,134.93 78.66 192.15 20.40 125.68 154.19	278.69
07 72 13 00-0015 EA 38" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,401.63 101.46 241.62 26.32 142.56 186.43	309.66
07 72 13 00-0016 EA 38" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,533.50 110.77 264.12 32.24 166.03 218.67	340.62
07 72 13 00-0017 EA 50" x 50" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,207.53 85.92 206.67 -80.38 16.12 40.25	278.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0018	EA		50" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,318.66 93.16 225.02 -96.74 -6.83 37.03	309.66
07 72 13 00-0019	EA		50" x 74" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,347.18 96.01 230.73 -114.60 -37.85 36.72	309.66
07 72 13 00-0020	EA		50" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,479.05 105.33 253.23 -133.97 -35.27 34.91	340.62
07 72 13 00-0021	EA		51" x 99" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,587.57 112.31 271.07 33.89 156.71 211.54	371.59
07 72 13 00-0022	EA		51" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,716.84 121.36 293.05 -184.58 -46.40 28.17	402.56
07 72 13 00-0023	EA		62" x 62" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,347.18 96.01 230.73 26.98 99.36 182.70	309.66
07 72 13 00-0024	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,450.53 102.47 247.53 -139.92 -32.45 35.54	340.62
07 72 13 00-0025	EA		62" x 86" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,584.97 112.05 270.55 -181.60 -74.13 -10.51	371.59
07 72 13 00-0026	EA		62" x 98" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,610.90 114.64 275.73 40.14 147.61 257.27	371.59
07 72 13 00-0027	EA		62" x 122" Outside Frame Dimensions, 9" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,745.37 124.22 298.75 -229.22 -119.57 20.80	402.56
07 72 13 00-0028			<b>12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> (07 72 13 00-0003)		
07 72 13 00-0029	EA		26" x 26" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,018.63 70.90 172.76 -32.73 13.31 37.44	247.72
07 72 13 00-0030	EA		26" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,026.41 71.68 174.32 -40.19 21.22 43.15	247.72
07 72 13 00-0031	EA		26" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,111.59 76.32 187.48 -49.12 27.64 43.00	278.69
07 72 13 00-0032	EA		26" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,179.01 83.06 200.97 -65.48 33.20 48.56	278.69



**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0033	EA		26" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,228.27 87.99 210.82 20.07 127.54 140.70	278.69
07 72 13 00-0034	EA		26" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,474.23 108.72 256.14 -108.66 -9.95 31.71	309.66
07 72 13 00-0035	EA		38" x 38" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,029.00 71.93 174.83 11.51 99.25 138.73	247.72
07 72 13 00-0036	EA		38" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,158.27 80.99 196.82 -62.50 29.60 66.89	278.69
07 72 13 00-0037	EA		38" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,210.12 86.18 207.19 -77.39 19.10 49.81	278.69
07 72 13 00-0038	EA		38" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,269.76 92.14 219.12 20.40 125.68 154.19	278.69
07 72 13 00-0039	EA		38" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,443.12 105.60 249.92 26.32 142.56 186.43	309.66
07 72 13 00-0040	EA		38" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,585.36 115.96 274.49 32.24 166.03 218.67	340.62
07 72 13 00-0041	EA		50" x 50" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,238.65 89.03 212.89 -80.38 16.12 40.25	278.69
07 72 13 00-0042	EA		50" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,344.59 95.75 230.21 -96.74 -6.83 37.03	309.66
07 72 13 00-0043	EA		50" x 74" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,386.07 99.90 238.51 -114.60 -37.85 36.72	309.66
07 72 13 00-0044	EA		50" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,520.54 109.48 261.53 -133.97 -35.27 34.91	340.62
07 72 13 00-0045	EA		51" x 99" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,636.83 117.23 280.92 33.89 156.71 211.54	371.59
07 72 13 00-0046	EA		51" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,773.89 127.07 304.46 -184.58 -46.40 28.17	402.56



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0047	EA		62" x 62" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,386.07	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	99.90	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	238.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.36	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.70	
07 72 13 00-0048	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,492.02	340.62
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	106.62	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	255.83	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-139.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-32.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.54	
07 72 13 00-0049	EA		62" x 86" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,629.05	371.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	116.46	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	279.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-181.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-74.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-10.51	
07 72 13 00-0050	EA		62" x 98" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,662.76	371.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	119.83	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	286.10	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.14	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.61	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.27	
07 72 13 00-0051	EA		62" x 122" Outside Frame Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,802.41	402.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	129.92	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	310.16	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-229.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-119.57	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	20.80	
<b>07 72 13 00-0052</b>			<b>14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> (07 72 13 00-0003)		
07 72 13 00-0053	EA		26" x 26" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,036.78	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.71	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	176.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-32.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	13.31	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.44	
07 72 13 00-0054	EA		26" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,044.56	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.49	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	177.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-40.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	21.22	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.15	
07 72 13 00-0055	EA		26" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,124.56	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.62	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	190.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-49.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	27.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.00	
07 72 13 00-0056	EA		26" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,199.75	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.14	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	205.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-65.48	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	33.20	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	48.56	
07 72 13 00-0057	EA		26" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,256.80	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.84	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	216.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.07	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.54	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	140.70	
07 72 13 00-0058	EA		26" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,510.53	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	112.35	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	263.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-108.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-9.95	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	31.71	
07 72 13 00-0059	EA		38" x 38" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,044.56	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.49	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	177.95	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	138.73	
07 72 13 00-0060	EA		38" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,124.56	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.62	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	190.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-62.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.60	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.89	
07 72 13 00-0061	EA		38" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,256.80	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.84	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	216.52	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-77.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	19.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	49.81	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0062	EA		38" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,319.03 97.07 228.97 20.40 125.68 154.19	278.69
07 72 13 00-0063	EA		38" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,474.23 108.72 256.14 26.32 142.56 186.43	309.66
07 72 13 00-0064	EA		38" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,619.07 119.33 281.24 32.24 166.03 218.67	340.62
07 72 13 00-0065	EA		50" x 50" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,259.39 91.10 217.04 -80.38 16.12 40.25	278.69
07 72 13 00-0066	EA		50" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,280.80 89.37 217.45 -96.74 -6.83 37.03	309.66
07 72 13 00-0067	EA		50" x 74" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,412.00 102.49 243.69 -114.60 -37.85 36.72	309.66
07 72 13 00-0068	EA		50" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,551.65 112.59 267.75 -133.97 -35.27 34.91	340.62
07 72 13 00-0069	EA		51" x 99" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,667.95 120.35 287.14 33.89 156.71 211.54	371.59
07 72 13 00-0070	EA		51" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,810.19 130.70 311.72 -184.58 -46.40 28.17	402.56
07 72 13 00-0071	EA		62" x 62" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,412.00 102.49 243.69 26.98 99.36 182.70	309.66
07 72 13 00-0072	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,520.54 109.48 261.53 -139.92 -32.45 35.54	340.62
07 72 13 00-0073	EA		62" x 86" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,662.76 119.83 286.10 -181.60 -74.13 -10.51	371.59
07 72 13 00-0074	EA		62" x 98" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,696.47 123.20 292.85 40.14 147.61 257.27	371.59
07 72 13 00-0075	EA		62" x 122" Outside Frame Dimensions, 14" Height, 18 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,841.30 133.81 317.94 -229.22 -119.57 20.80	402.56

07 72 13 00-0076 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs (07 72 13 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72	13 00-0077		<b>9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b>		
			<small>(07 72 13 00-0076)</small>		
07 72	13 00-0078	EA	26" x 26" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	956.40	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	64.67	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	160.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-32.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	13.31	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.44	
07 72	13 00-0079	EA	26" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	990.10	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	68.04	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	167.05	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-40.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	21.22	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.15	
07 72	13 00-0080	EA	26" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,132.34	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	78.40	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	191.63	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-49.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	27.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.00	
07 72	13 00-0081	EA	26" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,210.12	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	86.18	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	207.19	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-65.48	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	33.20	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	48.56	
07 72	13 00-0082	EA	26" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,267.17	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	91.88	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	218.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.07	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.54	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	140.70	
07 72	13 00-0083	EA	26" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,552.02	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	116.49	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	271.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-108.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-9.95	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	31.71	
07 72	13 00-0084	EA	38" x 38" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,052.33	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	74.27	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	179.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	138.73	
07 72	13 00-0085	EA	38" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,153.08	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.47	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	195.78	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-62.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.60	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.89	
07 72	13 00-0086	EA	38" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,179.01	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	83.06	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	200.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-77.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	19.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	49.81	
07 72	13 00-0087	EA	38" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,202.35	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	85.40	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	205.63	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	125.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	154.19	
07 72	13 00-0088	EA	38" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,489.79	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	110.27	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	259.25	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.56	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.43	
07 72	13 00-0089	EA	38" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,637.22	340.62
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.14	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	284.87	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	166.03	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.67	
07 72	13 00-0090	EA	50" x 50" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,269.76	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	92.14	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	219.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-80.38	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	16.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	40.25	
07 72	13 00-0091	EA	50" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,383.48	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	99.64	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	237.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-96.74	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-6.83	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.03	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0092	EA	50" x 74" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,424.97	309.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	103.79	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	246.29	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-114.60	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-37.85	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	36.72	
07 72 13 00-0093	EA	50" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,567.21	340.62
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	114.14	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	270.86	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-133.97	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-35.27	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	34.91	
07 72 13 00-0094	EA	51" x 99" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,683.50	371.59
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.90	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	290.25	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.89	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.71	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	211.54	
07 72 13 00-0095	EA	51" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,828.34	402.56
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	132.51	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	315.35	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-184.58	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-46.40	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	28.17	
07 72 13 00-0096	EA	62" x 62" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,424.97	309.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	103.79	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	246.29	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.98	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.36	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.70	
07 72 13 00-0097	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,533.50	340.62
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	110.77	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	264.12	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-139.92	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-32.45	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.54	
07 72 13 00-0098	EA	62" x 86" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,678.32	371.59
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.38	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	289.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-181.60	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-74.13	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-10.51	
07 72 13 00-0099	EA	62" x 98" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,714.62	371.59
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	125.01	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	296.48	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.14	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.61	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.27	
07 72 13 00-0100	EA	62" x 122" Outside Frame Dimensions, 9" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,862.05	402.56
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	135.89	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	322.09	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-229.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-119.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	20.80	
07 72 13 00-0101		<b>12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs</b> <small>(07 72 13 00-0076)</small>		
07 72 13 00-0102	EA	26" x 26" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	979.73	247.72
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.01	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	164.98	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-32.73	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	13.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.44	
07 72 13 00-0103	EA	26" x 38" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,018.63	247.72
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	70.90	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	172.76	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-40.19	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	21.22	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.15	
07 72 13 00-0104	EA	26" x 50" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,171.23	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	82.29	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	199.41	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-49.12	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	27.64	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.00	
07 72 13 00-0105	EA	26" x 74" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,256.80	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	90.84	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	216.52	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-65.48	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	33.20	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	48.56	
07 72 13 00-0106	EA	26" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,326.80	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	97.84	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	230.52	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.07	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.54	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	140.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0107	EA	26" x 122"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,562.39	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	117.53	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	273.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-108.66	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-9.95	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	31.71	
07 72 13 00-0108	EA	38" x 38"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,086.04	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.64	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	186.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.51	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.25	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	138.73	
07 72 13 00-0109	EA	38" x 50"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,194.57	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	84.62	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	204.08	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-62.50	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.60	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.89	
07 72 13 00-0110	EA	38" x 62"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,228.27	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.99	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	210.82	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-77.39	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	19.10	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	49.81	
07 72 13 00-0111	EA	38" x 74"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,259.39	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	91.10	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	217.04	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.40	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	125.68	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	154.19	
07 72 13 00-0112	EA	38" x 98"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,552.02	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	116.49	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	271.70	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.56	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.43	
07 72 13 00-0113	EA	38" x 122"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,712.41	340.62
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	128.66	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	299.90	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	166.03	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.67	
07 72 13 00-0114	EA	50" x 50"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,316.43	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	96.81	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	228.45	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-80.38	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	16.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	40.25	
07 72 13 00-0115	EA	50" x 62"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,435.34	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	104.83	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	248.36	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-96.74	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-6.83	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.03	
07 72 13 00-0116	EA	50" x 74"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,484.60	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	109.75	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	258.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-114.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-37.85	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	36.72	
07 72 13 00-0117	EA	50" x 86"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,629.44	340.62
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	120.37	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	283.31	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-133.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-35.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	34.91	
07 72 13 00-0118	EA	51" x 99"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,756.11	371.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	129.16	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	304.77	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	211.54	
07 72 13 00-0119	EA	51" x 122"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,911.31	402.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	140.81	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	331.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-184.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-46.40	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	28.17	
07 72 13 00-0120	EA	62" x 62"	Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,484.60	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	109.75	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	258.21	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.36	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.70	

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0121	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,600.92	340.62
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	117.51	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	277.61	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-139.92	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-32.45	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.54	
07 72 13 00-0122	EA	62" x 86" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,750.92	371.59
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	128.64	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	303.74	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-181.60	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-74.13	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-10.51	
07 72 13 00-0123	EA	62" x 98" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,789.81	371.59
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	132.53	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	311.51	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.14	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.61	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.27	
07 72 13 00-0124	EA	62" x 122" Outside Frame Dimensions, 12" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,950.21	402.56
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	144.70	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	339.72	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-229.22	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-119.57	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	20.80	

**07 72 13 00-0125 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curbs** (07 72 13 00-0076)

07 72 13 00-0126	EA	26" x 26" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	997.88	247.72
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	68.82	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	168.61	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-32.73	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	13.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.44	
07 72 13 00-0127	EA	26" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,039.37	247.72
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	72.97	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	176.91	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-40.19	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	21.22	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.15	
07 72 13 00-0128	EA	26" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,194.57	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	84.62	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	204.08	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-49.12	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	27.64	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.00	
07 72 13 00-0129	EA	26" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,287.91	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	93.95	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	222.75	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-65.48	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	33.20	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	48.56	
07 72 13 00-0130	EA	26" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,365.70	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	101.73	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	238.30	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.07	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.54	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	140.70	
07 72 13 00-0131	EA	26" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,645.36	309.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	125.83	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	290.36	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-108.66	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-9.95	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	31.71	
07 72 13 00-0132	EA	38" x 38" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,111.97	247.72
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.23	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	191.43	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	11.51	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.25	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	138.73	
07 72 13 00-0133	EA	38" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,238.65	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	89.03	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	212.89	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-62.50	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	29.60	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	66.89	
07 72 13 00-0134	EA	38" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,285.32	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	93.70	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	222.23	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-77.39	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	19.10	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	49.81	
07 72 13 00-0135	EA	38" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb	1,295.69	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	94.73	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	224.30	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.40	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	125.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	154.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0136	EA		38" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,598.69	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	121.16	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	281.03	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.32	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.56	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.43	
07 72 13 00-0137	EA		38" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,764.27	340.62
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	133.85	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	310.28	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	32.24	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	166.03	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	218.67	
07 72 13 00-0138	EA		50" x 50" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,347.55	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	99.92	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	234.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-80.38	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	16.12	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	40.25	
07 72 13 00-0139	EA		50" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,361.95	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	97.49	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	233.68	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-96.74	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-6.83	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.03	
07 72 13 00-0140	EA		50" x 74" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,523.50	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	113.64	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	265.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-114.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-37.85	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	36.72	
07 72 13 00-0141	EA		50" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,676.11	340.62
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	125.03	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	292.64	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-133.97	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-35.27	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	34.91	
07 72 13 00-0142	EA		51" x 99" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,802.78	371.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	133.83	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	314.11	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.71	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	211.54	
07 72 13 00-0143	EA		51" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,968.36	402.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	146.52	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	343.35	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-184.58	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-46.40	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	28.17	
07 72 13 00-0144	EA		62" x 62" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,523.50	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	113.64	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	265.99	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.98	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.36	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.70	
07 72 13 00-0145	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,647.59	340.62
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	122.18	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	286.94	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-139.92	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-32.45	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.54	
07 72 13 00-0146	EA		62" x 86" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,795.00	371.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	133.05	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	312.55	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-181.60	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-74.13	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	-10.51	
07 72 13 00-0147	EA		62" x 98" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	1,841.67	371.59
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	137.72	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	321.89	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.14	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.61	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.27	
07 72 13 00-0148	EA		62" x 122" Outside Frame Dimensions, 14" Height, 14 Gauge, Insulated Galvanized Steel, Prefabricated Roof Curb.....	2,007.25	402.56
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	150.41	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	351.13	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-229.22	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-119.57	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	20.80	
07 72 13 00-0149			Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0001)</small>		
			Note: Includes 1" rigid foam insulation, mill finish galvanized steel exterior wall construction, painted galvanized steel interior wall construction and installation clips.		
07 72 13 00-0150			6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs <small>(07 72 13 00-0149)</small>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0151	EA		14-1/2" To 23" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	940.31	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	63.07	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	157.10	
07 72 13 00-0152	EA		23-1/2" To 32" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,082.81	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	77.32	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	185.60	
07 72 13 00-0153	EA		32-1/2" To 41" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,239.47	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	89.11	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	213.06	
07 72 13 00-0154	EA		41" To 49-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,353.25	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	100.49	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	235.81	
07 72 13 00-0155	EA		50" To 58-1/2" Square Outside Dimensions, 6" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,496.84	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	110.98	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	260.66	
07 72 13 00-0156			<b>12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> (07 72 13 00-0149)		
07 72 13 00-0157	EA		14-1/2" To 23" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,148.97	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	83.93	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	198.83	
07 72 13 00-0158	EA		23-1/2" To 32" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,342.37	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	103.27	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	237.51	
07 72 13 00-0159	EA		32-1/2" To 41" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,425.23	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	107.69	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	250.21	
07 72 13 00-0160	EA		41" To 49-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,497.94	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	114.96	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	264.75	
07 72 13 00-0161	EA		50" To 58-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,677.14	309.66
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	129.01	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	296.72	
07 72 13 00-0162	EA		64" To 72-1/2" Square Outside Dimensions, 12" Height, 18 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	2,644.50	340.62
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	221.87	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	486.32	
07 72 13 00-0163			<b>18" To 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curbs</b> (07 72 13 00-0149)		
07 72 13 00-0164	EA		17-1/2" To 22" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,491.78	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	118.21	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	267.39	
07 72 13 00-0165	EA		24" To 29" Square Outside Dimensions, 24" Height, 16 Gauge, Ventilated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	1,689.53	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	137.99	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	306.94	
07 72 13 00-0166	EA		31" To 46" Square Outside Dimensions, 18" Height, 16 Gauge, Insulated Galvanized Steel, Adjustable Width Prefabricated Roof Curb .....	2,001.78	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	165.34	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	365.52	
07 72 13 00-0167			<b>Wood, Prefabricated Roof Curbs</b> (07 72 13)		
			Note: Includes Douglas fir construction, galvanized steel corner straps, fasteners, sealants, and installation clips. Includes 3/16" wire mesh, 6" x 6" grids, safety security guard with installation clips. Excludes flashing. See CSI section 07 62 13 00-0000 for flashing and trim.		
07 72 13 00-0168			<b>Wood Framed, Prefabricated Roof Curbs</b> (07 72 13 00-0167)		
07 72 13 00-0169			<b>2 x 6 Wood Framed, Prefabricated Roof Curbs</b> (07 72 13 00-0168)		
07 72 13 00-0170	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	796.98	247.72
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	48.73	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	128.43	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> .....	-32.73	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> .....	13.31	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> .....	37.44	
07 72 13 00-0171	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb .....	887.55	278.69
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> .....	53.92	
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> .....	142.67	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> .....	-49.12	
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> .....	27.64	
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> .....	43.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0172	EA	26" x 98"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	944.57 59.62 154.08 20.07 127.54 140.70	278.69
07 72 13 00-0173	EA	38" x 62"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	937.99 58.96 152.76 -77.39 19.10 49.81	278.69
07 72 13 00-0174	EA	38" x 74"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	953.35 60.50 155.83 20.40 125.68 154.19	278.69
07 72 13 00-0175	EA	38" x 98"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,068.05 68.10 174.90 26.32 142.56 186.43	309.66
07 72 13 00-0176	EA	50" x 50"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	948.96 60.06 154.96 -80.38 16.12 40.25	278.69
07 72 13 00-0177	EA	50" x 74"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,087.79 70.07 178.85 -114.60 -37.85 36.72	309.66
07 72 13 00-0178	EA	51" x 99"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,242.61 77.81 202.07 33.89 156.71 211.54	371.59
07 72 13 00-0179	EA	62" x 62"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,048.31 66.12 170.95 26.98 99.36 182.70	309.66
07 72 13 00-0180	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,152.05 72.63 187.83 -139.92 -32.45 35.54	340.62
07 72 13 00-0181	EA	62" x 98"	Outside Frame Dimensions, 2 x 6 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,286.48 82.20 210.85 40.14 147.61 257.27	371.59
07 72 13 00-0182			<b>2 x 8 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)</b>		
07 72 13 00-0183	EA	26" x 26"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	810.14 50.05 131.06 -32.73 13.31 37.44	247.72
07 72 13 00-0184	EA	26" x 50"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	902.90 55.45 145.74 -49.12 27.64 43.00	278.69
07 72 13 00-0185	EA	26" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	986.25 63.79 162.41 20.07 127.54 140.70	278.69
07 72 13 00-0186	EA	38" x 62"	Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	964.31 61.59 158.03 -77.39 19.10 49.81	278.69

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0187	EA		38" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	986.25 63.79 162.41 20.40 125.68 154.19	278.69
07 72 13 00-0188	EA		38" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,100.95 71.39 181.48 26.32 142.56 186.43	309.66
07 72 13 00-0189	EA		50" x 50" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	973.09 62.47 159.78 -80.38 16.12 40.25	278.69
07 72 13 00-0190	EA		50" x 74" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,118.50 73.14 184.99 -114.60 -37.85 36.72	309.66
07 72 13 00-0191	EA		51" x 99" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,273.32 80.88 208.22 33.89 156.71 211.54	371.59
07 72 13 00-0192	EA		62" x 62" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,072.44 68.54 175.78 26.98 99.36 182.70	309.66
07 72 13 00-0193	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,180.57 75.48 193.54 -139.92 -32.45 35.54	340.62
07 72 13 00-0194	EA		62" x 98" Outside Frame Dimensions, 2 x 8 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,317.18 85.27 216.99 40.14 147.61 257.27	371.59
07 72 13 00-0195			<b>2 x 10 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)</b>		
07 72 13 00-0196	EA		26" x 26" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	818.91 50.93 132.82 -32.73 13.31 37.44	247.72
07 72 13 00-0197	EA		26" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	918.25 56.99 148.81 -49.12 27.64 43.00	278.69
07 72 13 00-0198	EA		26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	990.63 64.23 163.29 20.07 127.54 140.70	278.69
07 72 13 00-0199	EA		38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	979.67 63.13 161.10 -77.39 19.10 49.81	278.69
07 72 13 00-0200	EA		38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,005.99 65.76 166.36 20.40 125.68 154.19	278.69
07 72 13 00-0201	EA		38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... For Sloped Roofs Up To 1 In 12 Pitch, Add For Sloped Roofs >1 In 12 To 3 In 12 Pitch, Add For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add	1,122.88 73.58 185.87 26.32 142.56 186.43	309.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0202	EA		50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	988.44 64.01 162.85 -80.38 16.12 40.25	278.69
07 72 13 00-0203	EA		50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,138.24 75.12 188.94 -114.60 -37.85 36.72	309.66
07 72 13 00-0204	EA		51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,293.06 82.86 212.16 33.89 156.71 211.54	371.59
07 72 13 00-0205	EA		62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,087.79 70.07 178.85 26.98 99.36 182.70	309.66
07 72 13 00-0206	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,198.11 77.23 197.04 -139.92 -32.45 35.54	340.62
07 72 13 00-0207	EA		62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,339.12 87.46 221.38 40.14 147.61 257.27	371.59
<b>07 72 13 00-0208</b>			<b>2 x 12 Wood Framed, Prefabricated Roof Curbs (07 72 13 00-0168)</b>		
07 72 13 00-0209	EA		26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	829.88 52.02 135.01 -32.73 13.31 37.44	247.72
07 72 13 00-0210	EA		26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	927.03 57.87 150.57 -49.12 27.64 43.00	278.69
07 72 13 00-0211	EA		26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,010.37 66.20 167.24 20.07 127.54 140.70	278.69
07 72 13 00-0212	EA		38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,027.92 67.96 170.75 20.40 125.68 154.19	278.69
07 72 13 00-0213	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,147.01 75.99 190.69 26.32 142.56 186.43	309.66
07 72 13 00-0214	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,008.18 65.98 166.80 -80.38 16.12 40.25	278.69
07 72 13 00-0215	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,160.17 77.31 193.33 -114.60 -37.85 36.72	309.66
07 72 13 00-0216	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,319.38 85.49 217.43 33.89 156.71 211.54	371.59

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0217	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,215.66 78.99 200.55 -139.92 -32.45 35.54	340.62
07 72 13 00-0218			Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0167)</small>		
07 72 13 00-0219			2 x 6 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		
07 72 13 00-0220	EA		26" x 26" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	814.52 50.49 131.94 -32.73 13.31 37.44	247.72
07 72 13 00-0221	EA		26" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	902.90 55.45 145.74 -49.12 27.64 43.00	278.69
07 72 13 00-0222	EA		26" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	973.09 62.47 159.78 20.07 127.54 140.70	278.69
07 72 13 00-0223	EA		38" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	957.73 60.94 156.71 -77.39 19.10 49.81	278.69
07 72 13 00-0224	EA		38" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	977.47 62.91 160.66 20.40 125.68 154.19	278.69
07 72 13 00-0225	EA		38" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,094.37 70.73 180.17 26.32 142.56 186.43	309.66
07 72 13 00-0226	EA		50" x 50" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	968.70 62.03 158.90 -80.38 16.12 40.25	278.69
07 72 13 00-0227	EA		50" x 74" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,111.92 72.48 183.68 -114.60 -37.85 36.72	309.66
07 72 13 00-0228	EA		51" x 99" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,266.74 80.23 206.90 33.89 156.71 211.54	371.59
07 72 13 00-0229	EA		62" x 62" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,074.63 68.76 176.22 26.98 99.36 182.70	309.66
07 72 13 00-0230	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,176.18 75.04 192.66 -139.92 -32.45 35.54	340.62
07 72 13 00-0231	EA		62" x 98" Outside Frame Dimensions, 2 x 6 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,317.18 85.27 216.99 40.14 147.61 257.27	371.59
07 72 13 00-0232			2 x 8 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0233	EA	26" x 26"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 829.88	247.72	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 52.02		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 135.01		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... -32.73		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 13.31		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 37.44		
07 72 13 00-0234	EA	26" x 50"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 920.45	278.69	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 57.21		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 149.25		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... -49.12		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 27.64		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 43.00		
07 72 13 00-0235	EA	26" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 999.41	278.69	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 65.10		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 165.05		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... 20.07		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 127.54		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 140.70		
07 72 13 00-0236	EA	38" x 62"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 984.05	278.69	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 63.57		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 161.97		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... -77.39		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 19.10		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 49.81		
07 72 13 00-0237	EA	38" x 74"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 1,012.57	278.69	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 66.42		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 167.68		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... 20.40		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 125.68		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 154.19		
07 72 13 00-0238	EA	38" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 1,133.85	309.66	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 74.68		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 188.06		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... 26.32		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 142.56		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 186.43		
07 72 13 00-0239	EA	50" x 50"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 999.41	278.69	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 65.10		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 165.05		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... -80.38		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 16.12		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 40.25		
07 72 13 00-0240	EA	50" x 74"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 1,149.20	309.66	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 76.21		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 191.13		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... -114.60		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... -37.85		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 36.72		
07 72 13 00-0241	EA	51" x 99"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 1,308.41	371.59	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 84.39		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 215.23		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... 33.89		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 156.71		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 211.54		
07 72 13 00-0242	EA	62" x 62"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 1,103.15	309.66	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 71.61		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 181.92		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... 26.98		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 99.36		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 182.70		
07 72 13 00-0243	EA	62-3/8" x 74-3/8"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 1,209.08	340.62	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 78.33		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 199.24		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... -139.92		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... -32.45		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 35.54		
07 72 13 00-0244	EA	62" x 98"	Outside Frame Dimensions, 2 x 8 Wood Framed With Liner, Prefabricated Roof Curb ..... 1,354.47	371.59	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 89.00		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 224.45		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... 40.14		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 147.61		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 257.27		
07 72 13 00-0245			<b>2 x 10 Wood Framed With Liner, Prefabricated Roof Curbs (07 72 13 00-0218)</b> ..... 843.04	247.72	
07 72 13 00-0246	EA	26" x 26"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 843.04	247.72	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 53.34		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 137.64		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... -32.73		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 13.31		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 37.44		
07 72 13 00-0247	EA	26" x 50"	Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb ..... 937.99	278.69	
			<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> ..... 58.96		
			<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> ..... 152.76		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> ..... -49.12		
			<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> ..... 27.64		
			<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i> ..... 43.00		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 13 00-0248	EA	26" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,025.73	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.74	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	170.31	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.07	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.54	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	140.70	
07 72 13 00-0249	EA	38" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,003.79	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	65.54	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	165.92	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-77.39	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	19.10	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	49.81	
07 72 13 00-0250	EA	38" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,038.88	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.05	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	172.94	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.40	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	125.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	154.19	
07 72 13 00-0251	EA	38" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,162.36	309.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	77.53	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	193.76	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.32	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	142.56	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	186.43	
07 72 13 00-0252	EA	50" x 50" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,019.15	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	67.08	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	168.99	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-80.38	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	16.12	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	40.25	
07 72 13 00-0253	EA	50" x 74" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,173.33	309.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	78.63	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	195.96	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-114.60	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-37.85	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	36.72	
07 72 13 00-0254	EA	51" x 99" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,334.73	371.59
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	87.02	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	220.50	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	33.89	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	156.71	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	211.54	
07 72 13 00-0255	EA	62" x 62" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,125.08	309.66
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	73.80	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	186.31	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	26.98	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	99.36	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	182.70	
07 72 13 00-0256	EA	62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,233.20	340.62
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	80.74	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	204.06	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-139.92	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	-32.45	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	35.54	
07 72 13 00-0257	EA	62" x 98" Outside Frame Dimensions, 2 x 10 Wood Framed With Liner, Prefabricated Roof Curb .....	1,382.98	371.59
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	91.85	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	230.15	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	40.14	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	147.61	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	257.27	
07 72 13 00-0258		2 x 12 Wood Framed With Liner, Prefabricated Roof Curbs <small>(07 72 13 00-0218)</small> .....		
07 72 13 00-0259	EA	26" x 26" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	869.36	247.72
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	55.97	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	142.91	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-32.73	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	13.31	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	37.44	
07 72 13 00-0260	EA	26" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	951.15	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	60.28	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	155.39	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	-49.12	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	27.64	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	43.00	
07 72 13 00-0261	EA	26" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	1,045.46	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	69.71	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	174.26	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.07	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	127.54	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	140.70	
07 72 13 00-0262	EA	38" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb .....	1,060.82	278.69
		<i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i>	71.25	
		<i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i>	177.33	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i>	20.40	
		<i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i>	125.68	
		<i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	154.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 13 00-0263	EA		38" x 98" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,245.71 85.86 210.43 26.32 142.56 186.43	309.66
07 72 13 00-0264	EA		50" x 50" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,082.75 73.44 181.71 -80.38 16.12 40.25	278.69
07 72 13 00-0265	EA		50" x 74" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,250.10 86.30 211.31 -114.60 -37.85 36.72	309.66
07 72 13 00-0266	EA		51" x 99" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,422.46 95.80 238.04 33.89 156.71 211.54	371.59
07 72 13 00-0267	EA		62-3/8" x 74-3/8" Outside Frame Dimensions, 2 x 12 Wood Framed With Liner, Prefabricated Roof Curb ..... <i>For Sloped Roofs Up To 1 In 12 Pitch, Add</i> <i>For Sloped Roofs &gt;1 In 12 To 3 In 12 Pitch, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Clip Attached, Safety Security Guard, Add</i> <i>For 3/16" Wire Diameter, 4" x 4" Grids, Z Channel Attached, Safety Security Guard, Add</i> <i>For 1/2" Diameter, 8" On Center, Hot Rolled Steel, Burglar Bars, Add</i>	1,314.36 88.86 220.29 -139.92 -32.45 35.54	340.62

**07 72 23 Relief Vents (07 72)**

**07 72 23 00-0001 Wind Driven Turbine Ventilators (07 72 23)**  
 Note: Excludes curb or flange base.

**07 72 23 00-0002 Galvanized Steel, Wind Driven Turbine Ventilators (07 72 23 00-0001)**

07 72 23 00-0003	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	194.34 215.79	38.43
07 72 23 00-0004	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	233.44 237.10	42.55
07 72 23 00-0005	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	251.68 263.65	50.78
07 72 23 00-0006	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	485.98 425.51	56.27
07 72 23 00-0007	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	670.29 460.82	63.12
07 72 23 00-0008	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	809.23 500.25	68.61
07 72 23 00-0009	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	1,034.37 612.96	76.85
07 72 23 00-0010	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	1,710.35 1,006.45	102.92

**07 72 23 00-0011 Mill Finish Aluminum, Wind Driven Turbine Ventilators (07 72 23 00-0001)**

07 72 23 00-0012	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	187.28 222.93	38.43
07 72 23 00-0013	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	233.80 245.41	42.55
07 72 23 00-0014	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	261.61 271.86	50.78
07 72 23 00-0015	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	468.52 467.92	56.27
07 72 23 00-0016	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	605.30 499.81	63.12
07 72 23 00-0017	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	766.59 563.49	68.61
07 72 23 00-0018	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	1,036.26 681.14	76.85
07 72 23 00-0019	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Outside Braced, Wind Driven Turbine Ventilator ..... <i>For Curb Or Flange Base, Add</i>	1,544.41 1,025.30	102.92

**07 72 23 00-0020 Stationary Siphon Ventilators (07 72 23)**

Note: Excludes curb or flange base.

**07 72 23 00-0021 Galvanized Steel, Stationary Siphon Ventilators (07 72 23 00-0020)**

07 72 23 00-0022	EA		6" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator ..... <i>For Curb Or Flange Base, Add</i>	163.72 215.79	38.43
07 72 23 00-0023	EA		9" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator ..... <i>For Curb Or Flange Base, Add</i>	215.93 237.10	42.55
07 72 23 00-0024	EA		12" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator ..... <i>For Curb Or Flange Base, Add</i>	237.33 263.65	50.78
07 72 23 00-0025	EA		15" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator ..... <i>For Curb Or Flange Base, Add</i>	407.42 425.51	56.27
07 72 23 00-0026	EA		18" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator ..... <i>For Curb Or Flange Base, Add</i>	471.47 460.82	63.12

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 23 00-0027	EA		21" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	668.72	68.61
			<i>For Curb Or Flange Base, Add</i>	500.25	
07 72 23 00-0028	EA		24" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	871.52	76.85
			<i>For Curb Or Flange Base, Add</i>	672.96	
07 72 23 00-0029	EA		36" Neck Diameter, 26 Gauge, Galvanized Steel, Stationary Siphon Ventilator .....	1,263.63	102.92
			<i>For Curb Or Flange Base, Add</i>	1,006.45	
<b>07 72 23 00-0030</b>			<b>Mill Finish Aluminum, Stationary Siphon Ventilators</b> <small>(07 72 23 00-0020)</small>		
07 72 23 00-0031	EA		6" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	179.93	38.43
			<i>For Curb Or Flange Base, Add</i>	222.93	
07 72 23 00-0032	EA		9" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	238.20	42.55
			<i>For Curb Or Flange Base, Add</i>	245.41	
07 72 23 00-0033	EA		12" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	265.30	50.78
			<i>For Curb Or Flange Base, Add</i>	271.86	
07 72 23 00-0034	EA		15" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	433.90	56.27
			<i>For Curb Or Flange Base, Add</i>	467.92	
07 72 23 00-0035	EA		18" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	546.48	63.12
			<i>For Curb Or Flange Base, Add</i>	499.81	
07 72 23 00-0036	EA		21" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	671.00	68.61
			<i>For Curb Or Flange Base, Add</i>	563.49	
07 72 23 00-0037	EA		24" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	962.76	76.85
			<i>For Curb Or Flange Base, Add</i>	681.14	
07 72 23 00-0038	EA		36" Neck Diameter, 0.025", Mill Finish Aluminum, Stationary Siphon Ventilator.....	1,450.45	102.92
			<i>For Curb Or Flange Base, Add</i>	1,025.30	
<b>07 72 23 00-0039</b>			<b>Spun Aluminum, Stationary Mushroom Gravity Ventilators</b> <small>(07 72 23)</small>		
			Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0040	EA		8" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	364.12	61.75
			<i>For Backdraft Damper, Add</i>	199.65	
			<i>For Curb Base, Add</i>	288.24	
07 72 23 00-0041	EA		10" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	451.05	68.61
			<i>For Backdraft Damper, Add</i>	218.44	
			<i>For Curb Base, Add</i>	315.19	
07 72 23 00-0042	EA		12" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	508.84	82.34
			<i>For Backdraft Damper, Add</i>	298.30	
			<i>For Curb Base, Add</i>	400.29	
07 72 23 00-0043	EA		16" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	623.39	90.57
			<i>For Backdraft Damper, Add</i>	340.58	
			<i>For Curb Base, Add</i>	464.52	
07 72 23 00-0044	EA		24" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	1,692.24	123.51
			<i>For Backdraft Damper, Add</i>	427.49	
			<i>For Curb Base, Add</i>	611.02	
07 72 23 00-0045	EA		30" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	2,069.11	142.72
			<i>For Backdraft Damper, Add</i>	505.00	
			<i>For Curb Base, Add</i>	731.12	
07 72 23 00-0046	EA		36" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	2,828.67	164.68
			<i>For Backdraft Damper, Add</i>	505.00	
			<i>For Curb Base, Add</i>	758.32	
07 72 23 00-0047	EA		42" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	3,992.76	178.41
			<i>For Backdraft Damper, Add</i>	528.49	
			<i>For Curb Base, Add</i>	784.70	
07 72 23 00-0048	EA		48" Orifice Diameter, Spun Aluminum, Stationary Mushroom Gravity Ventilator .....	5,765.22	192.12
			<i>For Backdraft Damper, Add</i>	587.21	
			<i>For Curb Base, Add</i>	883.91	
<b>07 72 23 00-0049</b>			<b>Galvanized Steel, Stationary Gooseneck Ventilators</b> <small>(07 72 23)</small>		
			Note: Includes flange base and bird screen. Excludes curb.		
07 72 23 00-0050	EA		8" x 8", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	683.98	68.61
07 72 23 00-0051	EA		12" x 12", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	799.27	90.57
07 72 23 00-0052	EA		16" x 16", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,152.89	123.51
07 72 23 00-0053	EA		24" x 24", 26 Gauge, Galvanized Steel, Stationary Gooseneck Ventilator.....	1,803.90	142.72
<b>07 72 26</b>			<b>Ridge Vents</b> <small>(07 72)</small>		
<b>07 72 26 00-0001</b>			<b>Aluminum Ridge Vents</b> <small>(07 72 26)</small>		
07 72 26 00-0002	LF		Aluminum Ridge Vent Strips .....	16.47	3.98
07 72 26 00-0003	EA		Aluminum Ridge Univent Connectors .....	63.28	24.75
07 72 26 00-0004	EA		Aluminum Ridge Univent End Cap .....	58.68	24.75
<b>07 72 26 00-0005</b>			<b>Galvanized Ridge Vents</b> <small>(07 72 26)</small>		
07 72 26 00-0006	LF		Galvanized Sheet Metal Ridge Vent Strips.....	15.11	4.27
<b>07 72 29</b>			<b>Rafter Vent</b> <small>(07 72)</small>		
<b>07 72 29 00-0001</b>			<b>Rafter Vent</b> <small>(07 72 29)</small>		
			Note: Built-in baffle is designed to help keep air flowing freely from soffits to ridge vents.		
07 72 29 00-0002	EA		22" x 4' Rafter Vent.....	12.12	
07 72 29 00-0003	EA		14" x 4' Rafter Vent.....	11.02	
<b>07 72 33</b>			<b>Roof Hatches</b> <small>(07 72)</small>		
			Note: Includes curb with integral insulation, lockable hatch and gaskets.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 33 00-0001			<b>Galvanized Steel Cover And Curb (07 72 33)</b>		
07 72 33 00-0002	EA		2'-6" x 3'-0" Galvanized Steel Roof Hatch.....	1,555.24	183.86
07 72 33 00-0003	EA		2'-6" x 4'-6" Galvanized Steel Roof Hatch.....	2,283.75	204.29
07 72 33 00-0004	EA		2'-6" x 8'-0" Galvanized Steel Roof Hatch.....	4,034.64	278.60
07 72 33 00-0005	EA		3'-0" x 3'-0" Galvanized Steel Roof Hatch.....	2,251.17	204.29
07 72 33 00-0006	EA		4'-0" x 4'-0" Galvanized Steel Roof Hatch.....	2,540.59	227.02
07 72 33 00-0007	EA		3'-0" x 8'-0" Galvanized Steel Roof Hatch.....	4,169.65	309.63
07 72 33 00-0008			<b>Aluminum Cover And Curb (07 72 33)</b>		
07 72 33 00-0009	EA		2'-6" x 3'-0" Aluminum Roof Hatch.....	1,288.71	183.86
07 72 33 00-0010	EA		2'-6" x 4'-6" Aluminum Roof Hatch.....	1,660.35	204.29
07 72 33 00-0011	EA		2'-6" x 8'-0" Aluminum Roof Hatch.....	2,978.70	278.60
07 72 33 00-0012	EA		3'-0" x 3'-0" Aluminum Roof Hatch.....	1,620.19	204.29
07 72 33 00-0013	EA		4'-0" x 4'-0" Aluminum Roof Hatch.....	2,834.07	227.02
07 72 33 00-0014	EA		3'-0" x 8'-0" Aluminum Roof Hatch.....	3,135.89	309.63
07 72 33 00-0015	EA		3'-0" x 2'-6" Aluminum Roof Scuttle With Skylight.....	1,804.64	204.29
07 72 33 00-0016			<b>Steel, Plain, Primed (07 72 33)</b>		
07 72 33 00-0017	EA		2'-6" x 3'-0" Plain Steel Roof Hatch Primed.....	1,491.20	183.86
07 72 33 00-0018	EA		2'-6" x 4'-6" Plain Steel Roof Hatch Primed.....	2,017.75	204.29
07 72 33 00-0019	EA		2'-6" x 8'-0" Plain Steel Roof Hatch Primed.....	2,764.24	278.60
07 72 33 00-0020	EA		3'-0" x 3'-0" Plain Steel Roof Hatch Primed.....	1,873.02	204.29
07 72 33 00-0021	EA		4'-0" x 4'-0" Plain Steel Roof Hatch Primed.....	2,296.62	227.02
07 72 33 00-0022	EA		3'-0" x 8'-0" Plain Steel Roof Hatch Primed.....	3,120.58	309.63
07 72 33 00-0023			<b>Stainless Steel (07 72 33)</b>		
07 72 33 00-0024	EA		2'-6" x 3'-0" Stainless Steel Roof Hatch.....	3,100.98	183.86
07 72 33 00-0025	EA		2'-6" x 4'-6" Stainless Steel Roof Hatch.....	5,909.38	204.29
07 72 33 00-0026	EA		2'-6" x 8'-0" Stainless Steel Roof Hatch.....	8,881.61	278.60
07 72 33 00-0027	EA		3'-0" x 3'-0" Stainless Steel Roof Hatch.....	4,746.88	204.29
07 72 33 00-0028	EA		4'-0" x 4'-0" Stainless Steel Roof Hatch.....	10,000.55	227.02
07 72 33 00-0029	EA		3'-0" x 8'-0" Stainless Steel Roof Hatch.....	11,209.21	309.63
07 72 33 00-0030			<b>Removal And Reinstallation Of Roof Hatch (07 72 33)</b>		
			Note: Includes storage, cleaning and supply materials.		
07 72 33 00-0031	EA		Removal And Reinstallation Of Roof Hatch (All Types).....	565.53	
07 72 33 00-0032			<b>Aluminum Cover And Galvanized Steel Curb (07 72 33)</b>		
07 72 33 00-0033	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 2'-6" Roof.....	1,250.77	204.29
07 72 33 00-0034	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 4'-6" Roof.....	1,622.42	227.02
07 72 33 00-0035	EA		Aluminum Cover, Galvanized Steel Curb 2'-6" x 8'-0" Roof.....	2,880.07	309.51
07 72 33 00-0036	EA		Aluminum Cover, Galvanized Steel Curb 3'-0" x 3'-0" Roof.....	1,589.84	210.68
07 72 33 00-0037	EA		Aluminum Cover, Galvanized Steel Curb 4'-0" x 4'-0" Roof.....	2,750.61	233.41
07 72 33 00-0038			<b>Security Roof Scuttles (07 72 33)</b>		
			Note: Lock not included.		
07 72 33 00-0039	EA		36" x 30" Bilco Security Roof Scuttle.....	5,999.99	204.29
07 72 33 00-0040	EA		36" x 30" Bilco Security Roof Scuttle and 8" x 8" View Window.....	7,443.93	204.29
			Note: Bilco S-20c.		
07 72 33 00-0041			<b>Roof Hatch Accessories (07 72 33)</b>		
07 72 33 00-0042	EA		Enamel Steel, Roof Hatch Ladderup Safety Post.....	969.90	95.76
07 72 33 00-0043			<b>Roof Hatch Safety Railing (07 72 33)</b>		
			Note: Included mounting bracket to attach to roof hatch		
07 72 33 00-0044	EA		24" x 24" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,129.44	
07 72 33 00-0045	EA		24" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,211.17	
07 72 33 00-0046	EA		30" x 30" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,265.51	
07 72 33 00-0047	EA		30" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,463.41	
07 72 33 00-0048	EA		36" x 36" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	2,692.05	
07 72 33 00-0049	EA		48" x 48" Painted Steel, Roof Hatch Safety Railing With Self Closing Gate.....	3,431.81	
07 72 36			<b>Smoke Vents (07 72)</b>		
07 72 36 00-0001			<b>Smoke Vent (07 72 36)</b>		
07 72 36 00-0002	EA		48" x 48" Aluminum Smoke Vent.....	3,497.38	127.68
07 72 36 00-0003	EA		48" x 48" Galvanized Steel Smoke Vent.....	1,963.46	127.68
07 72 36 00-0004	EA		48" x 96" Aluminum Heat/Smoke Vent.....	10,369.53	170.45
07 72 36 00-0005	EA		48" x 96" Galvanized Steel Heat/Smoke Vent.....	5,488.92	170.45
07 72 36 00-0006	EA		60" x 96" Aluminum Heat/Smoke Vent.....	12,630.39	212.85
07 72 36 00-0007	EA		60" x 96" Galvanized Steel Heat/Smoke Vent.....	6,844.49	212.85
07 72 36 00-0008			<b>Fire Vent (07 72 36)</b>		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR  
CSI UOM DESCRIPTION

07 72 36 00-0009 Galvanized Steel Covers And Curb (07 72 36 00-0008)			
07 72 36 00-0010	EA 4'-0" x 4'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,061.29	170.33
07 72 36 00-0011	EA 4'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	4,669.39	234.17
07 72 36 00-0012	EA 4'-0" x 7'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,323.43	255.49
07 72 36 00-0013	EA 4'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	5,427.98	268.26
07 72 36 00-0014	EA 5'-0" x 5'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,303.98	234.17
07 72 36 00-0015	EA 5'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,701.86	255.49
07 72 36 00-0016	EA 5'-0" x 7'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,075.31	276.81
07 72 36 00-0017	EA 5'-0" x 8'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	8,058.70	298.14
07 72 36 00-0018	EA 5'-0" x 10'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	10,005.79	319.33
07 72 36 00-0019	EA 5'-6" x 5'-6" Galvanized Steel Covers And Curb, Smoke And Fire Vent	6,697.16	276.81
07 72 36 00-0020	EA 5'-6" x 12'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	14,112.01	340.66
07 72 36 00-0021	EA 6'-0" x 6'-0" Galvanized Steel Covers And Curb, Smoke And Fire Vent	7,715.33	361.98

07 72 36 00-0022 Aluminum Covers And Galvanized Steel Curb (07 72 36 00-0008)			
07 72 36 00-0023	EA 4'-0" x 4'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	2,713.64	170.33
07 72 36 00-0024	EA 4'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,120.49	234.17
07 72 36 00-0025	EA 4'-0" x 7'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,509.01	255.49
07 72 36 00-0026	EA 4'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,634.39	268.26
07 72 36 00-0027	EA 5'-0" x 5'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	3,522.61	234.17
07 72 36 00-0028	EA 5'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,487.76	255.49
07 72 36 00-0029	EA 5'-0" x 7'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,800.39	276.81
07 72 36 00-0030	EA 5'-0" x 8'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,680.56	298.14
07 72 36 00-0031	EA 5'-0" x 10'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	6,548.60	319.33
07 72 36 00-0032	EA 5'-6" x 5'-6" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,534.84	276.81
07 72 36 00-0033	EA 5'-6" x 12'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	8,568.40	340.66
07 72 36 00-0034	EA 6'-0" x 6'-0" Aluminum Covers And Galvanized Steel Curb, Smoke And Fire Vent	4,472.84	361.98

07 72 36 00-0035 Aluminum Covers And Curb (07 72 36 00-0008)			
07 72 36 00-0036	EA 4'-0" x 4'-0" Aluminum Covers And Curb, Smoke And Fire Vent	2,956.43	170.33
07 72 36 00-0037	EA 4'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4872B)	3,522.61	234.17
07 72 36 00-0038	EA 4'-0" x 7'-6" Aluminum Covers And Curb, Smoke And Fire Vent	3,865.61	255.49
07 72 36 00-0039	EA 4'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent (Bilco DSH-4896B)	4,089.62	268.26
07 72 36 00-0040	EA 5'-0" x 5'-0" Aluminum Covers And Curb, Smoke And Fire Vent	3,704.70	234.17
07 72 36 00-0041	EA 5'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,677.44	255.49
07 72 36 00-0042	EA 5'-0" x 7'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,967.31	276.81
07 72 36 00-0043	EA 5'-0" x 8'-0" Aluminum Covers And Curb, Smoke And Fire Vent	5,135.79	298.14
07 72 36 00-0044	EA 5'-0" x 10'-0" Aluminum Covers And Curb, Smoke And Fire Vent	6,222.35	319.33
07 72 36 00-0045	EA 5'-6" x 5'-6" Aluminum Covers And Curb, Smoke And Fire Vent	4,747.28	276.81
07 72 36 00-0046	EA 5'-6" x 12'-0" Aluminum Covers And Curb, Smoke And Fire Vent	9,349.89	340.66
07 72 36 00-0047	EA 6'-0" x 6'-0" Aluminum Covers And Curb, Smoke And Fire Vent	4,928.07	361.98

**07 72 38 Roof Dormers (07 72)**

**07 72 38 13 Roof Dormer Vent (07 72 38)**

07 72 38 13-0001 Copper Roof Dormer Vent (07 72 38 13)			
Note: Includes insect screen on the inside of the louvers and fabricated with sturdy wooden framing.			

07 72 38 13-0002 Half Round Copper Roof Dormer Vent (07 72 38 13-0001)			
07 72 38 13-0003	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	465.20	78.40
07 72 38 13-0004	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	579.96	78.40
07 72 38 13-0005	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	710.12	78.40
07 72 38 13-0006	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	807.74	78.40
07 72 38 13-0007	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	924.21	78.40
07 72 38 13-0008	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,037.25	78.40
07 72 38 13-0009	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,152.00	78.40
07 72 38 13-0010	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,266.75	78.40
07 72 38 13-0011	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,381.50	78.40
07 72 38 13-0012	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,494.54	78.40
07 72 38 13-0013	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,609.29	78.40
07 72 38 13-0014	EA 18" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,724.04	78.40
07 72 38 13-0015	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	835.15	78.40
07 72 38 13-0016	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	949.90	78.40
07 72 38 13-0017	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,080.06	78.40
07 72 38 13-0018	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,177.69	78.40
07 72 38 13-0019	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,294.15	78.40
07 72 38 13-0020	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,407.19	78.40
07 72 38 13-0021	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,521.94	78.40
07 72 38 13-0022	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,636.69	78.40
07 72 38 13-0023	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,751.44	78.40
07 72 38 13-0024	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,864.48	78.40
07 72 38 13-0025	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	1,979.23	78.40
07 72 38 13-0026	EA 18" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,093.98	78.40
07 72 38 13-0027	EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	549.58	94.90
07 72 38 13-0028	EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	664.33	94.90
07 72 38 13-0029	EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	794.50	94.90
07 72 38 13-0030	EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	892.12	94.90
07 72 38 13-0031	EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,008.59	94.90
07 72 38 13-0032	EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,121.63	94.90
07 72 38 13-0033	EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,236.38	94.90
07 72 38 13-0034	EA 24" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,351.13	94.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0035	EA	24"	Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,465.88	94.90
07 72 38 13-0036	EA	24"	Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,578.92	94.90
07 72 38 13-0037	EA	24"	Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,693.67	94.90
07 72 38 13-0038	EA	24"	Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,808.42	94.90
07 72 38 13-0039	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	919.53	94.90
07 72 38 13-0040	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,034.28	94.90
07 72 38 13-0041	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,164.44	94.90
07 72 38 13-0042	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,262.07	94.90
07 72 38 13-0043	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,378.53	94.90
07 72 38 13-0044	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,491.57	94.90
07 72 38 13-0045	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,606.32	94.90
07 72 38 13-0046	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,721.07	94.90
07 72 38 13-0047	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,835.82	94.90
07 72 38 13-0048	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	1,948.86	94.90
07 72 38 13-0049	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,063.61	94.90
07 72 38 13-0050	EA	24"	Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,178.36	94.90
07 72 38 13-0051	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	639.20	105.90
07 72 38 13-0052	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	753.95	105.90
07 72 38 13-0053	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	884.11	105.90
07 72 38 13-0054	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	981.74	105.90
07 72 38 13-0055	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,098.20	105.90
07 72 38 13-0056	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,211.24	105.90
07 72 38 13-0057	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,325.99	105.90
07 72 38 13-0058	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,440.74	105.90
07 72 38 13-0059	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,555.49	105.90
07 72 38 13-0060	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,668.53	105.90
07 72 38 13-0061	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,783.28	105.90
07 72 38 13-0062	EA	30"	Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	1,898.03	105.90
07 72 38 13-0063	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,009.14	105.90
07 72 38 13-0064	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,123.89	105.90
07 72 38 13-0065	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,254.06	105.90
07 72 38 13-0066	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,351.68	105.90
07 72 38 13-0067	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,468.15	105.90
07 72 38 13-0068	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,581.18	105.90
07 72 38 13-0069	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,695.93	105.90
07 72 38 13-0070	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,810.69	105.90
07 72 38 13-0071	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	1,925.44	105.90
07 72 38 13-0072	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,038.47	105.90
07 72 38 13-0073	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,153.23	105.90
07 72 38 13-0074	EA	30"	Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,267.98	105.90
07 72 38 13-0075	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	745.61	121.03
07 72 38 13-0076	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	860.36	121.03
07 72 38 13-0077	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	990.53	121.03
07 72 38 13-0078	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,088.15	121.03
07 72 38 13-0079	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,204.61	121.03
07 72 38 13-0080	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,317.65	121.03
07 72 38 13-0081	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,432.40	121.03
07 72 38 13-0082	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,547.15	121.03
07 72 38 13-0083	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,661.90	121.03
07 72 38 13-0084	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	1,774.94	121.03
07 72 38 13-0085	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	1,889.69	121.03
07 72 38 13-0086	EA	36"	Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,004.44	121.03
07 72 38 13-0087	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,115.55	121.03
07 72 38 13-0088	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,230.30	121.03
07 72 38 13-0089	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,360.47	121.03
07 72 38 13-0090	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,458.09	121.03
07 72 38 13-0091	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,574.56	121.03
07 72 38 13-0092	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,687.60	121.03
07 72 38 13-0093	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	1,802.35	121.03
07 72 38 13-0094	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	1,917.10	121.03
07 72 38 13-0095	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,031.85	121.03
07 72 38 13-0096	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope	2,144.89	121.03
07 72 38 13-0097	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope	2,259.64	121.03
07 72 38 13-0098	EA	36"	Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope	2,374.39	121.03
07 72 38 13-0099	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope	1,054.73	134.78
07 72 38 13-0100	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope	1,169.48	134.78
07 72 38 13-0101	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope	1,299.64	134.78
07 72 38 13-0102	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope	1,397.27	134.78
07 72 38 13-0103	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope	1,513.73	134.78
07 72 38 13-0104	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope	1,626.77	134.78
07 72 38 13-0105	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope	1,741.52	134.78
07 72 38 13-0106	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope	1,856.27	134.78
07 72 38 13-0107	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope	1,971.02	134.78
07 72 38 13-0108	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope	2,084.06	134.78
07 72 38 13-0109	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope	2,198.81	134.78
07 72 38 13-0110	EA	42"	Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope	2,313.56	134.78
07 72 38 13-0111	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope	1,424.67	134.78
07 72 38 13-0112	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope	1,539.42	134.78
07 72 38 13-0113	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope	1,669.59	134.78
07 72 38 13-0114	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope	1,767.21	134.78
07 72 38 13-0115	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope	1,883.67	134.78
07 72 38 13-0116	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope	1,996.71	134.78
07 72 38 13-0117	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope	2,111.46	134.78
07 72 38 13-0118	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope	2,226.21	134.78
07 72 38 13-0119	EA	42"	Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope	2,340.97	134.78

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 72 38 13-0120	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,454.00	134.78
07 72 38 13-0121	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,568.75	134.78
07 72 38 13-0122	EA	42" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,683.51	134.78
07 72 38 13-0123	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,421.67	134.78
07 72 38 13-0124	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,554.29	145.78
07 72 38 13-0125	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,684.46	145.78
07 72 38 13-0126	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,782.08	145.78
07 72 38 13-0127	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,898.55	145.78
07 72 38 13-0128	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	2,011.59	145.78
07 72 38 13-0129	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	2,126.34	145.78
07 72 38 13-0130	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	2,241.09	145.78
07 72 38 13-0131	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	2,355.84	145.78
07 72 38 13-0132	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,468.88	145.78
07 72 38 13-0133	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,583.63	145.78
07 72 38 13-0134	EA	48" Half Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,698.38	145.78
07 72 38 13-0135	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,809.49	145.78
07 72 38 13-0136	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,924.24	145.78
07 72 38 13-0137	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	2,054.40	145.78
07 72 38 13-0138	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	2,152.03	145.78
07 72 38 13-0139	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	2,268.49	145.78
07 72 38 13-0140	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	2,381.53	145.78
07 72 38 13-0141	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	2,496.28	145.78
07 72 38 13-0142	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,611.03	145.78
07 72 38 13-0143	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,725.78	145.78
07 72 38 13-0144	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,838.82	145.78
07 72 38 13-0145	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,953.57	145.78
07 72 38 13-0146	EA	48" Half Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	3,068.32	145.78

**07 72 38 13-0147 Third Round Copper Roof Dormer Vent** (07 72 38 13-0001)

07 72 38 13-0148	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	701.10	121.03
07 72 38 13-0149	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	815.85	121.03
07 72 38 13-0150	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	946.01	121.03
07 72 38 13-0151	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,043.64	121.03
07 72 38 13-0152	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,160.10	121.03
07 72 38 13-0153	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,273.14	121.03
07 72 38 13-0154	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,387.89	121.03
07 72 38 13-0155	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,502.64	121.03
07 72 38 13-0156	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,617.39	121.03
07 72 38 13-0157	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,730.43	121.03
07 72 38 13-0158	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,845.18	121.03
07 72 38 13-0159	EA	36" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	1,959.93	121.03
07 72 38 13-0160	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	916.90	121.03
07 72 38 13-0161	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,031.65	121.03
07 72 38 13-0162	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,161.81	121.03
07 72 38 13-0163	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,259.44	121.03
07 72 38 13-0164	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,375.90	121.03
07 72 38 13-0165	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,488.94	121.03
07 72 38 13-0166	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,603.69	121.03
07 72 38 13-0167	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,718.44	121.03
07 72 38 13-0168	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,833.19	121.03
07 72 38 13-0169	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	1,946.23	121.03
07 72 38 13-0170	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,060.98	121.03
07 72 38 13-0171	EA	36" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,175.73	121.03
07 72 38 13-0172	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	798.10	134.78
07 72 38 13-0173	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	912.85	134.78
07 72 38 13-0174	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,043.01	134.78
07 72 38 13-0175	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,140.64	134.78
07 72 38 13-0176	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,257.10	134.78
07 72 38 13-0177	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,370.14	134.78
07 72 38 13-0178	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,484.89	134.78
07 72 38 13-0179	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,599.64	134.78
07 72 38 13-0180	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,714.39	134.78
07 72 38 13-0181	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	1,827.43	134.78
07 72 38 13-0182	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	1,942.18	134.78
07 72 38 13-0183	EA	42" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,056.93	134.78
07 72 38 13-0184	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,013.90	134.78
07 72 38 13-0185	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,128.65	134.78
07 72 38 13-0186	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,258.81	134.78
07 72 38 13-0187	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,356.44	134.78
07 72 38 13-0188	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,472.90	134.78
07 72 38 13-0189	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,585.94	134.78
07 72 38 13-0190	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,700.69	134.78
07 72 38 13-0191	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	1,815.44	134.78
07 72 38 13-0192	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	1,930.19	134.78
07 72 38 13-0193	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,043.23	134.78
07 72 38 13-0194	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,157.98	134.78
07 72 38 13-0195	EA	42" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,272.73	134.78
07 72 38 13-0196	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 16/12 Slope.....	1,014.91	134.78
07 72 38 13-0197	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 15/12 Slope.....	1,147.53	145.78
07 72 38 13-0198	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 14/12 Slope.....	1,277.69	145.78
07 72 38 13-0199	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 13/12 Slope.....	1,375.32	145.78
07 72 38 13-0200	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 12/12 Slope.....	1,491.78	145.78
07 72 38 13-0201	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 11/12 Slope.....	1,604.82	145.78
07 72 38 13-0202	EA	48" Third Round Copper Dormer Vents, 16 Oz Copper, 10/12 Slope.....	1,719.57	145.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 72 38 13-0203	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 9/12 Slope.....	1,834.32	145.78
07 72 38 13-0204	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 8/12 Slope.....	1,949.07	145.78
07 72 38 13-0205	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 7/12 Slope.....	2,062.11	145.78
07 72 38 13-0206	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 6/12 Slope.....	2,176.86	145.78
07 72 38 13-0207	EA		48" Third Round Copper Dormer Vents, 16 Oz Copper, 5/12 Slope.....	2,291.61	145.78
07 72 38 13-0208	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 16/12 Slope.....	1,248.58	145.78
07 72 38 13-0209	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 15/12 Slope.....	1,363.33	145.78
07 72 38 13-0210	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 14/12 Slope.....	1,493.49	145.78
07 72 38 13-0211	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 13/12 Slope.....	1,591.12	145.78
07 72 38 13-0212	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 12/12 Slope.....	1,707.58	145.78
07 72 38 13-0213	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 11/12 Slope.....	1,820.62	145.78
07 72 38 13-0214	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 10/12 Slope.....	1,935.37	145.78
07 72 38 13-0215	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 9/12 Slope.....	2,050.12	145.78
07 72 38 13-0216	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 8/12 Slope.....	2,164.87	145.78
07 72 38 13-0217	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 7/12 Slope.....	2,277.91	145.78
07 72 38 13-0218	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 6/12 Slope.....	2,392.66	145.78
07 72 38 13-0219	EA		48" Third Round Copper Dormer Vents, 20 Oz Copper, 5/12 Slope.....	2,507.41	145.78
<b>07 72 46 Roof Walkways (07 72)</b>					
<b>07 72 46 00-0001 Recycled Rubber Walkway Pads (07 72 46)</b>					
07 72 46 00-0002	SF		3/8" Thick, Button Surface, Recycled Rubber Walkway Pad.....	12.43	2.82
			<i>For Diamond Surface, Add</i>	1.15	
07 72 46 00-0003	SF		1/2" Thick, Button Surface, Recycled Rubber Walkway Pad.....	13.87	3.38
			<i>For Diamond Surface, Add</i>	1.34	
07 72 46 00-0004	SF		3/4" Thick, Button Surface, Recycled Rubber Walkway Pad.....	15.32	3.38
			<i>For Diamond Surface, Add</i>	1.50	
<b>07 72 53 Snow Guards (07 72)</b>					
<b>07 72 53 00-0001 Snow Guards For Shingle And Tile Roofs (07 72 53)</b>					
07 72 53 00-0002	EA		6-5/8" Length, 1-1/2" Width, Copper Snow Guards For Shingle And Tile Roofs.....	24.83	2.87
07 72 53 00-0003	EA		6-5/8" Length, 1-1/2" Width, Lead Coated Copper Snow Guards For Shingle And Tile Roofs.....	27.23	2.87
07 72 53 00-0004	EA		6-5/8" Length, 1-1/2" Width, Stainless Steel Snow Guards For Shingle And Tile Roofs.....	25.64	2.87
07 72 53 00-0005	EA		6-5/8" Length, 1-1/2" Width, Aluminum Snow Guards For Shingle And Tile Roofs.....	14.55	2.87
<b>07 72 53 00-0006 Snow Guards For Metal Roofs (07 72 53)</b>					
			Note: Aluminum construction.		
07 72 53 00-0007	EA		Mill Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	31.12	4.91
07 72 53 00-0008	EA		Black Primer Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	34.88	4.91
07 72 53 00-0009	EA		Bronze Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	52.64	4.91
07 72 53 00-0010	EA		Painted Finish, Up To 9/32" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® RT 300).....	51.84	4.91
07 72 53 00-0011	EA		Mill Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	48.15	5.74
07 72 53 00-0012	EA		Black Primer Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	52.87	5.74
07 72 53 00-0013	EA		Painted Finish, Up To 1/2" Seams, Standing Seam Metal Roof Snow Guard (Berger Real Tool® AP 516).....	66.75	5.74
07 72 53 00-0014	EA		Mill Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	27.19	4.31
			<i>For Mechanically Fastened, Add</i>	8.59	
07 72 53 00-0015	EA		Black Primer Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	31.09	4.31
			<i>For Mechanically Fastened, Add</i>	8.59	
07 72 53 00-0016	EA		Painted Finish, Adhesive Surface Mount, Metal Roof Snow Guard (Berger Real Tool® SM).....	44.34	4.31
			<i>For Mechanically Fastened, Add</i>	8.59	
07 72 53 00-0017	EA		Polycarbonate, Adhesive Surface Mount, Metal Roof Snow Guard (Zaleski #15).....	14.40	4.31
			Note: Can be used for metal, rubber, PVC, TPO or glass roofing.		
			<i>For Mechanically Fastened, Add</i>	11.46	
<b>07 72 53 00-0018 Pipe Style, Snow Guards For Metal Roofs (07 72 53)</b>					
<b>07 72 53 00-0019 Pipe Style, Standing Seam Metal Roof Snow Guard Clamps (07 72 53 00-0018)</b>					
			Note: Aluminum construction. Includes clamp for attaching to standing seam. Excludes tubing.		
07 72 53 00-0020	EA		Single Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	70.98	17.19
07 72 53 00-0021	EA		Single Tube, "T2 or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 2000).....	85.08	17.19
07 72 53 00-0022	EA		Double Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	96.34	17.19
07 72 53 00-0023	EA		Double Tube, "T2K or Z2K" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 4000).....	120.56	17.19
07 72 53 00-0024	EA		Triple Tube, "U" Clamp, Pipe Style, Standing Seam Metal Roof Snow Guard Clamp (Alpine SnowGuards® 6000).....	123.77	20.63
<b>07 72 53 00-0025 Tubing For Snow Guard Clamps (07 72 53 00-0018)</b>					
07 72 53 00-0026	LF		1" Outside Diameter Aluminum Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	14.60	4.13
			Note: Includes end caps, collars and couplings.		
07 72 53 00-0027	LF		1" Outside Diameter Brass Or Stainless Steel Tubing For Snow Guard Clamps (Alpine SnowGuards®).....	29.56	4.13
			Note: Includes end caps, collars and couplings.		
<b>07 72 56 Snow/Ice Melt (07 72)</b>					
<b>07 72 56 00-0001 Self Regulating Heating Cable For Roofs And Gutters (07 72 56)</b>					
07 72 56 00-0002	LF		12 Watt, 120 Volt, Self Regulating Low Temperature Cable For Roofs And Gutters.....	17.87	1.55
			Note: Nickel-coated copper braided cable with weatherproof jacket.		
07 72 56 00-0003	LF		12 Watt, 208/277 Volt Self Regulating Low Temperature Cable For Roofs And Gutters.....	19.19	1.55
			Note: Nickel-coated copper braided cable with weatherproof jacket.		

**07 Thermal And Moisture Protection**  
**07 70 Roof and Wall Specialties and Accessories**  
**07 72 Roof Accessories**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
07 72 56 00-0004	EA	Power Connection, End Seal And Warning Labels Kit For Self Regulating Heating Cable For Roofs And Gutters.....	307.16		115.83
07 72 56 00-0005	EA	Splice Kit For Self Regulating Heating Cable For Roofs And Gutters.....	233.41		84.94
07 72 56 00-0006	EA	Edge Of Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	11.54		4.63
		<i>For &gt;5, Deduct</i>	-0.93		
07 72 56 00-0007	EA	Roof Cable Clips For Self Regulating Heating Cable For Roofs And Gutters.....	10.80		4.63
		<i>For &gt;5, Deduct</i>	-0.85		
07 72 56 00-0008	EA	Downspout Hanger Kit For Self Regulating Heating Cable For Roofs And Gutters.....	71.46		11.58
07 72 56 00-0009	EA	120 Volt AC, Snow Switch, Automatic Control For Melting Snow.....	1,132.07		92.67
07 72 56 00-0010	EA	Automatic Gutter Ice Melting Control.....	1,549.90		115.83
<b>07 72 63 Waste Containment Assemblies (07 72)</b>					
07 72 63 00-0001		Rooftop Oil And Grease Containment System (07 72 63)			
07 72 63 00-0002		Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD-E) (07 72 63 00-0001)			
07 72 63 00-0003	EA	48" Length, 48" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100-E).....	3,142.55		230.28
07 72 63 00-0004	EA	60" Length, 60" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101-E).....	3,517.96		230.28
07 72 63 00-0005	EA	60" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106-E).....	4,324.61		239.50
07 72 63 00-0006	EA	72" Length, 72" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102-E).....	4,303.15		239.50
07 72 63 00-0007	EA	72" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103-E).....	5,632.13		259.07
07 72 63 00-0008	EA	72" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111-E).....	4,382.18		259.07
07 72 63 00-0009	EA	90" Length, 90" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105-E).....	4,880.18		306.96
07 72 63 00-0010	EA	108" Length, 108" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112-E).....	7,202.64		383.77
07 72 63 00-0011	EA	120" Length, 120" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107-E).....	8,962.22		383.77
07 72 63 00-0012	EA	144" Length, 144" Width, 3.5" Height, Light Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113-E).....	11,376.27		383.77
07 72 63 00-0013		Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD) (07 72 63 00-0001)			
07 72 63 00-0014	EA	48" Length, 48" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD100).....	3,877.39		230.28
07 72 63 00-0015	EA	60" Length, 60" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD101).....	4,365.59		230.28
07 72 63 00-0016	EA	60" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD106).....	5,402.90		239.50
07 72 63 00-0017	EA	72" Length, 72" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD102).....	5,499.48		239.50
07 72 63 00-0018	EA	72" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD103).....	7,869.16		259.07
07 72 63 00-0019	EA	72" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD111).....	8,636.30		259.07
07 72 63 00-0020	EA	90" Length, 90" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD105).....	8,013.09		306.96
07 72 63 00-0021	EA	108" Length, 108" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD112).....	9,015.86		383.77
07 72 63 00-0022	EA	120" Length, 120" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD107).....	11,306.53		383.77
07 72 63 00-0023	EA	144" Length, 144" Width, 3.5" Height, Heavy Duty, Rooftop Oil And Grease Containment System (Grease Guard® GRD113).....	14,444.80		383.77
07 72 63 00-0024		Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63) Note: Includes removing old filters and installing new filters.			
07 72 63 00-0025		Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0024)			
07 72 63 00-0026		Light Duty, Top And Center Replacement Filter Sets For Rooftop Oil And Grease Containment System (07 72 63 00-0025)			
07 72 63 00-0027	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-E).....	260.24		
07 72 63 00-0028	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-E).....	367.55		
07 72 63 00-0029	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-E).....	528.47		
07 72 63 00-0030	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-E).....	486.34		
07 72 63 00-0031	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-E).....	915.51		
07 72 63 00-0032	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-E).....	926.23		
07 72 63 00-0033	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-E).....	712.45		
07 72 63 00-0034	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-E).....	927.03		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 72 63 00-0035	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-E) .....			1,361.56	
07 72 63 00-0036	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Top And Center Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-E) .....			1,796.09	

**07 72 63 00-0037 Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** (07 72 63 00-0024)

**07 72 63 00-0038 Light Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** (07 72 63 00-0037)

07 72 63 00-0039	SET	48" Length, 48" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-EC) .....			545.74	
07 72 63 00-0040	SET	60" Length, 60" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-EC) .....			728.15	
07 72 63 00-0041	SET	60" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-EC) .....			1,060.75	
07 72 63 00-0042	SET	72" Length, 72" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-EC) .....			986.42	
07 72 63 00-0043	SET	72" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-EC) .....			1,903.76	
07 72 63 00-0044	SET	72" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-EC) .....			1,914.48	
07 72 63 00-0045	SET	90" Length, 90" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-EC) .....			1,416.37	
07 72 63 00-0046	SET	108" Length, 108" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-EC) .....			1,915.28	
07 72 63 00-0047	SET	120" Length, 120" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-EC) .....			2,811.16	
07 72 63 00-0048	SET	144" Length, 144" Width, 3.5" Height, Light Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-EC) .....			3,744.60	

**07 72 63 00-0049 Heavy Duty, Complete Replacement Filter Sets For Rooftop Oil And Grease Containment System** (07 72 63 00-0037)

07 72 63 00-0050	SET	48" Length, 48" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL100-C) .....			679.87	
07 72 63 00-0051	SET	60" Length, 60" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL101-C) .....			846.17	
07 72 63 00-0052	SET	60" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL106-C) .....			1,243.14	
07 72 63 00-0053	SET	72" Length, 72" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL102-C) .....			1,174.19	
07 72 63 00-0054	SET	72" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL103-C) .....			2,295.37	
07 72 63 00-0055	SET	72" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL111-C) .....			2,284.65	
07 72 63 00-0056	SET	90" Length, 90" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL105-C) .....			1,663.16	
07 72 63 00-0057	SET	108" Length, 108" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL112-C) .....			2,306.89	
07 72 63 00-0058	SET	120" Length, 120" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL107-C) .....			3,240.33	
07 72 63 00-0059	SET	144" Length, 144" Width, 3.5" Height, Heavy Duty, Complete Replacement Filter Set For Rooftop Oil And Grease Containment System (Grease Guard® FIL113-C) .....			4,511.74	

**07 73 Roof Protection Board** (07 70)

**07 73 00 00-0001 Roof Protection Board** (07 73)

Note: Use these items for specified related installations with systems per CSI section 07 50 00. Items are for single layer of panels attached per FM I-90 requirements.

**07 73 00 00-0002 Cold Adhesive Applied, Roof Protection Board (Georgia-Pacific DensDeck®)** (07 73 00 00-0001)

07 73 00 00-0003	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....			4.03	0.58
		<i>For No Adhesive, Deduct</i> .....			-0.94	
07 73 00 00-0004	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....			4.54	0.64
		<i>For No Adhesive, Deduct</i> .....			-0.97	
07 73 00 00-0005	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck®) .....			4.79	0.69
		<i>For No Adhesive, Deduct</i> .....			-0.98	
07 73 00 00-0006	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....			4.09	0.58
		<i>For No Adhesive, Deduct</i> .....			-0.94	
07 73 00 00-0007	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....			4.63	0.64
		<i>For No Adhesive, Deduct</i> .....			-0.97	
07 73 00 00-0008	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Cold Adhesive Applied (Georgia-Pacific DensDeck® Prime) .....			4.88	0.69
		<i>For No Adhesive, Deduct</i> .....			-0.98	

**07 73 00 00-0009 Hot-Mopped, Roof Protection Board (Georgia-Pacific DensDeck®)** (07 73 00 00-0001)

**07 Thermal And Moisture Protection****07 70 Roof and Wall Specialties and Accessories****07 73 Roof Protection Board**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 73 00 00-0010	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	3.83	0.58
07 73 00 00-0011	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.38	0.64
07 73 00 00-0012	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck®).....	4.65	0.69
07 73 00 00-0013	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	3.89	0.58
07 73 00 00-0014	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	4.47	0.64
07 73 00 00-0015	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Hot-Mopped (Georgia-Pacific DensDeck® Prime).....	4.74	0.69

**07 73 00 00-0016 Mechanically Fastened, Roof Protection Board (Georgia-Pacific DensDeck®)** (07 73 00 00-0001)

Note: Mechanically fastened to wood or steel.

07 73 00 00-0017	SF	1/4" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	3.85	0.58
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.81	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.85	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 73 00 00-0018	SF	1/2" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	4.36	0.64
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.89	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.93	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 73 00 00-0019	SF	5/8" Thick, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck®).....	4.61	0.69
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.95	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.99	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 73 00 00-0020	SF	1/4" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	3.91	0.58
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.81	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.85	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 73 00 00-0021	SF	1/2" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.45	0.64
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.89	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.93	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	
07 73 00 00-0022	SF	5/8" Thick, Surface Primed, Fiberglass Mat Faced, Moisture Resistant Gypsum Core, Roof Protection Board, Mechanically Fastened (Georgia-Pacific DensDeck® Prime).....	4.70	0.69
		<i>For Mechanically Fastened To Concrete, Add</i>	1.53	
		<i>For Mechanically Fastened To Gypsum, Add</i>	2.06	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;90 To 120 MPH Wind, Add</i>	0.76	
		<i>For Mechanically Fastened To Concrete, &gt;90 To 120 MPH Wind, Add</i>	2.95	
		<i>For Mechanically Fastened To Gypsum, &gt;90 To 120 MPH Wind, Add</i>	2.59	
		<i>For Mechanically Fastened To Wood Or Steel, &gt;120 To 135 MPH Wind, Add</i>	1.14	
		<i>For Mechanically Fastened To Concrete, &gt;120 To 135 MPH Wind, Add</i>	3.99	
		<i>For Mechanically Fastened To Gypsum, &gt;120 To 135 MPH Wind, Add</i>	3.90	

**07 76 Roof Pavers** (07 70)**07 76 16 Roof Decking Pavers** (07 76)**07 76 16 00-0001 Roof Pavers** (07 76 16)

Note: For walkway application over roofing system.

07 76 16 00-0002	SF	Up To 100 SF, 2" Concrete Roof Paver.....	12.06	7.33
		<i>For 1-1/2" Thickness, Deduct</i>	-1.21	
		<i>For 2-1/2" Thickness, Add</i>	1.33	
		<i>For 3" Thickness, Add</i>	2.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 76 16 00-0003	SF	>100 To 200 SF, 2" Concrete Roof Paver	.....	10.80	5.53
		For 1-1/2" Thickness, Deduct		-1.08	
		For 2-1/2" Thickness, Add		1.20	
		For 3" Thickness, Add		2.39	
07 76 16 00-0004	SF	>200 To 400 SF, 2" Concrete Roof Paver	.....	10.11	4.40
		For 1-1/2" Thickness, Deduct		-1.01	
		For 2-1/2" Thickness, Add		1.12	
		For 3" Thickness, Add		2.24	
07 76 16 00-0005	SF	>400 To 1,000 SF, 2" Concrete Roof Paver	.....	9.70	3.83
		For 1-1/2" Thickness, Deduct		-0.97	
		For 2-1/2" Thickness, Add		1.07	
		For 3" Thickness, Add		2.15	
07 76 16 00-0006	SF	>1,000 SF, 2" Concrete Roof Paver	.....	9.17	3.50
		For 1-1/2" Thickness, Deduct		-0.92	
		For 2-1/2" Thickness, Add		1.01	
		For 3" Thickness, Add		2.03	
<b>07 76 16 00-0007 Roof Paver Pedestal (07 76 16)</b>					
07 76 16 00-0008	EA	2" To 3" High Adjustable Roof Paver Pedestal, 2" Base, 2" Top (Hanover Elevator)	.....	25.95	1.15
07 76 16 00-0009	EA	3" To 4-3/4" High Adjustable Roof Paver Pedestal, 3" Base, 3" Top (Hanover Elevator)	.....	27.10	1.15
07 76 16 00-0010	EA	4-3/4" To 7-3/4" High Adjustable Roof Paver Pedestal, 4" Base, 4" Top (Hanover Elevator)	.....	28.25	1.15
07 76 16 00-0011	EA	Adjustable Roof Paver Pedestal Coupler, Adds 2-1/2" To 4" (Hanover Elevator)	.....	14.51	1.15
07 76 16 00-0012	EA	Stay Bar, Used With Roof Paver Pedestals >16' High (Hanover Elevator)	.....	12.63	1.15
07 76 16 00-0013	EA	5/8" High Tab Roof Paver Pedestal (Hanover High Tab Pedestal)	.....	12.95	1.15
		Note: Stackable.			
07 76 16 00-0014	EA	1/16" And 1/8" Flexible Leveling Plates For Roof Paver Pedestal	.....	7.32	1.15
		Note: Used with High Tab and Elevator pedestals.			
07 76 16 00-0015	EA	Roof Paver Leveling System, Twist To Adjust Pitch (Hanover Compensator)	.....	9.57	1.15
		Note: Each Compensator levels 1/8" of slope and are stackable. Used with High Tab and Elevator pedestals.			
<b>07 76 19 Composite Insulation Concrete Protection Board (07 76)</b>					
		Note: Manufactured by T. Clear Corp. 25 year warranty.			
<b>07 76 19 00-0001 Composite Insulation Concrete Protection Board (07 76 19)</b>					
		Note: Manufactured by T. Clear Corp. 25 year warranty.			
07 76 19 00-0002	SF	2" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	.....	6.07	
		For 20 Year Warranty, Deduct		-0.37	
		For 15 Year Warranty, Deduct		-0.74	
		For 10 Year Warranty, Deduct		-1.01	
		For Winds >90 MPH To 120 MPH Warranty, Add		0.10	
07 76 19 00-0003	SF	3" Extruded Polystyrene Insulation Board Lightguard Composite With 3/8" Latex Modified Concrete, 4.5 PSF	.....	7.95	
		For 20 Year Warranty, Deduct		-0.53	
		For 15 Year Warranty, Deduct		-1.06	
		For 10 Year Warranty, Deduct		-1.43	
		For Winds >90 MPH To 120 MPH Warranty, Add		0.10	
07 76 19 00-0004	SF	2" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	.....	9.36	
		For 20 Year Warranty, Deduct		-0.61	
		For 15 Year Warranty, Deduct		-1.23	
		For 10 Year Warranty, Deduct		-1.66	
		For Winds >90 MPH To 120 MPH Warranty, Add		0.10	
07 76 19 00-0005	SF	3" Extruded Polystyrene Insulation Board Heavyguard Composite With 15/16" Latex Modified Concrete, 11 PSF	.....	11.33	
		For 20 Year Warranty, Deduct		-0.77	
		For 15 Year Warranty, Deduct		-1.54	
		For 10 Year Warranty, Deduct		-2.09	
		For Winds >90 MPH To 120 MPH Warranty, Add		0.10	
<b>07 80 Fire and Smoke Protection (07)</b>					
<b>07 81 Applied Fireproofing (07 80)</b>					
		Note: Includes bonding agents as required.			
<b>07 81 16 Cementitious Fireproofing (07 81)</b>					
<b>07 81 16 00-0001 Monokote Fireproofing (07 81 16)</b>					
07 81 16 00-0002	SF	Monokote Fireproofing For Ceiling/Decking, Per Inch Of Thickness	.....	2.41	0.85
07 81 16 00-0003	SF	Monokote Fireproofing For Structural Steel, Per Inch Of Thickness	.....	3.36	1.27
<b>07 81 16 00-0004 Gunite Fireproofing (07 81 16)</b>					
07 81 16 00-0005	SF	1" Thick, Non-Reinforced, Gunite Fireproofing	.....	3.36	0.74
07 81 16 00-0006	SF	1" Thick, Reinforced, Gunite Fireproofing	.....	4.79	0.74
<b>07 81 23 Intumescent Fireproofing (07 81)</b>					
<b>07 81 23 00-0001 Intumescent Thin Film Fireproofing (Albi Clad TF) (07 81 23)</b>					
<b>07 81 23 00-0002 Intumescent Thin Film Fireproofing For Beams (Albi Clad TF) (07 81 23 00-0001)</b>					
		Note: Excludes primer.			
07 81 23 00-0003	SF	1 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	.....	17.96	
		For >10,000, Deduct		-1.72	
07 81 23 00-0004	SF	1-1/2 Hour, Intumescent Thin Film Fireproofing For Beams (Albi Clad TF)	.....	28.84	
		For >10,000, Deduct		-2.80	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 81 Applied Fireproofing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>07 81 23 00-0005 Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF)</b> <small>(07 81 23 00-0001)</small>			
Note: Excludes primer.			
07 81 23 00-0006	SF 1 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	11.69	
	<i>For &gt;10,000, Deduct</i> .....	-1.09	
07 81 23 00-0007	SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	25.84	
	<i>For &gt;10,000, Deduct</i> .....	-2.50	
07 81 23 00-0008	SF 2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	58.43	
	<i>For &gt;10,000, Deduct</i> .....	-5.75	
07 81 23 00-0009	SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	80.41	
	<i>For &gt;10,000, Deduct</i> .....	-7.94	
07 81 23 00-0010	SF 3 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	102.43	
	<i>For &gt;10,000, Deduct</i> .....	-10.14	
07 81 23 00-0011	SF 3-1/2 Hour, Intumescent Thin Film Fireproofing For Wide Flange Columns (Albi Clad TF) .....	124.44	
	<i>For &gt;10,000, Deduct</i> .....	-12.33	
<b>07 81 23 00-0012 Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF)</b> <small>(07 81 23 00-0001)</small>			
Note: Excludes primer.			
07 81 23 00-0013	SF 1 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) .....	23.55	
	<i>For &gt;10,000, Deduct</i> .....	-2.27	
07 81 23 00-0014	SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) .....	43.72	
	<i>For &gt;10,000, Deduct</i> .....	-4.28	
07 81 23 00-0015	SF 2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) .....	69.38	
	<i>For &gt;10,000, Deduct</i> .....	-6.85	
07 81 23 00-0016	SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) .....	96.86	
	<i>For &gt;10,000, Deduct</i> .....	-9.59	
07 81 23 00-0017	SF 3 Hour, Intumescent Thin Film Fireproofing For Hollow Section Columns (Albi Clad TF) .....	122.53	
	<i>For &gt;10,000, Deduct</i> .....	-12.15	
<b>07 81 23 00-0018 Intumescent Thin Film Fireproofing (Albi Clad FP)</b> <small>(07 81 23)</small>			
<b>07 81 23 00-0019 Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP)</b> <small>(07 81 23 00-0018)</small>			
Note: Excludes primer.			
07 81 23 00-0020	SF 1 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	11.42	
	<i>For &gt;10,000, Deduct</i> .....	-1.09	
07 81 23 00-0021	SF 1-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	25.98	
	<i>For &gt;10,000, Deduct</i> .....	-2.54	
07 81 23 00-0022	SF 2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	59.50	
	<i>For &gt;10,000, Deduct</i> .....	-5.88	
07 81 23 00-0023	SF 2-1/2 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	82.10	
	<i>For &gt;10,000, Deduct</i> .....	-8.14	
07 81 23 00-0024	SF 3 Hour, Intumescent Thin Film Fireproofing For Exposed Wood, Wallboard And Non-Ferrous Substrates (Albi Clad FP) .....	104.75	
	<i>For &gt;10,000, Deduct</i> .....	-10.40	
<b>07 81 33 Mineral-Fiber Fireproofing</b> <small>(07 81)</small>			
<b>07 81 33 00-0001 Cellulose Fireproofing</b> <small>(07 81 33)</small>			
07 81 33 00-0002	SF Cellulose Fireproofing, Per Inch Of Thickness .....	2.70	0.74
<b>07 84 Firestopping</b> <small>(07 80)</small>			
<b>07 84 13 Penetration Firestopping</b> <small>(07 84)</small>			
<b>07 84 13 16 Penetration Firestopping Devices</b> <small>(07 84 13)</small>			
<b>07 84 13 16-0001 Firestopping Systems For Cable Penetrations</b> <small>(07 84 13 16)</small>			
<b>07 84 13 16-0002 Intumescent Firestop Cable Sleeve For New Installations</b> <small>(07 84 13 16-0001)</small>			
Note: Includes putty, escutcheon plates, gaskets and bushings.			
07 84 13 16-0003	EA 1" Diameter Intumescent Firestop Sleeve (STI FS100) .....	73.51	
07 84 13 16-0004	EA 2" Diameter Intumescent Firestop Sleeve (STI FS201) .....	97.95	
07 84 13 16-0005	EA 4" Diameter Intumescent Firestop Sleeve (STI FS401) .....	157.42	
<b>07 84 13 16-0006 Intumescent Firestop Cable Pathway For New Or Existing Cable Installations</b> <small>(07 84 13 16-0001)</small>			
Note: Includes pathway, putty and wall/floor mounting plates.			
07 84 13 16-0007	EA 1-1/64" x 1-1/64" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZD22) .....	131.94	
07 84 13 16-0008	EA 3" x 3" Intumescent Firestop Cable Pathway Through Up To 9" Thick Walls (STI EZDP33FWS) .....	229.91	
07 84 13 16-0009	EA 4" x 4-5/8" Intumescent Firestop Cable Pathway Through Up To 10" Thick Walls (STI EZDP44) .....	419.07	
<b>07 84 13 16-0010 3M Intumescent Firestopping Multi-Trade Pass Through Device</b> <small>(07 84 13 16)</small>			
07 84 13 16-0011	EA 2-1/2" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD) .....	297.73	
07 84 13 16-0012	EA 4" Square Opening, Intumescent Firestop Multi-Trade Pass Through Device (3M QP4SD) .....	276.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 84 13 16-0013	EA		4" Diameter Intumescent Firestop Multi-Trade Pass Through Device (3M QP2.5SD).....	284.33	
<b>07 84 13 16-0014</b>			<b>Intumescent Firestopping Pipe Collar (07 84 13 16)</b>		
07 84 13 16-0015	EA		1-1/2" Intumescent Firestop Pipe Collar (3M ULTRAPPD1.5).....	49.11	15.16
07 84 13 16-0016	EA		2" Intumescent Firestop Pipe Collar (3M ULTRAPPD2.0).....	58.17	15.16
07 84 13 16-0017	EA		3" Intumescent Firestop Pipe Collar (3M ULTRAPPD3.0).....	67.34	16.68
07 84 13 16-0018	EA		4" Intumescent Firestop Pipe Collar (3M ULTRAPPD4.0).....	102.96	18.96
07 84 13 16-0019	EA		8" Intumescent Firestop Pipe Collar (Hilti CP644 8").....	482.07	22.75
07 84 13 16-0020	EA		10" Intumescent Firestop Pipe Collar (Hilti CP644 10").....	621.33	25.02
<b>07 84 13 16-0021</b>			<b>Fire Rated Enclosures (Fire Rated Product Specialties Corp.) (07 84 13 16)</b>		
			Note: Includes fasteners. Excludes additional perimeter caulk where required.		
07 84 13 16-0022	EA		12.2" Wide x 20.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9).....	187.64	
			Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0023	EA		15.2" Wide x 16.2" Long x 9.5" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-15-16-9).....	198.41	
			Note: Used for recessed lighting, speakers, controls, valves, plumbing drain terminations, etc.		
07 84 13 16-0024	EA		11.8" Wide x 19.8" Long x 9.12" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-12-20-9-EXH).....	384.15	
			Note: Includes 4" duct connector. For use with bathroom ventilation and exhaust fans.		
07 84 13 16-0025	EA		14.0" Wide x 14.0" Long x 3.2" Deep Fire Rated Enclosure, 1 Hour Rated (FRPS #FN-Z-14-14-3).....	245.82	
			Note: Used for shut-off valves, shower and tub valves, washer boxes, icemaker water feeds, speakers, controls, junction boxes, etc.		
<b>07 84 13 16-0026</b>			<b>Intumescent Firestopping Wrap Strips (07 84 13 16)</b>		
07 84 13 16-0027	LF		1/8" Thick, 1-1/2" Wide, Intumescent Firestopping Wrap Strip (STI SpecSeal SSW Series).....	7.20	
<b>07 84 13 19</b>			<b>Penetration Firestopping Caulk (07 84 13)</b>		
<b>07 84 13 19-0001</b>			<b>Intumescent Firestopping For Sealing Pipe Penetrations (3M CP 25WB+) (07 84 13 19)</b>		
			Note: Includes firestop caulk and batt for floor or ceiling penetration or one side of a wall penetration. 1/2" thick caulk for annular spaces 1" and less. 1" thick caulk for annular spaces 1-1/4" or more.		
07 84 13 19-0002	EA		1" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	27.53	
			For Intumescent Sealant For Plastic Pipe, Add	0.08	
07 84 13 19-0003	EA		1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	33.83	
			For Intumescent Sealant For Plastic Pipe, Add	0.41	
07 84 13 19-0004	EA		1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	33.57	
			For Intumescent Sealant For Plastic Pipe, Add	0.31	
07 84 13 19-0005	EA		1-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	33.14	
			For Intumescent Sealant For Plastic Pipe, Add	0.14	
07 84 13 19-0006	EA		2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	39.09	
			For Intumescent Sealant For Plastic Pipe, Add	0.88	
07 84 13 19-0007	EA		2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	38.83	
			For Intumescent Sealant For Plastic Pipe, Add	0.77	
07 84 13 19-0008	EA		2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	38.40	
			For Intumescent Sealant For Plastic Pipe, Add	0.60	
07 84 13 19-0009	EA		2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	37.73	
			For Intumescent Sealant For Plastic Pipe, Add	0.33	
07 84 13 19-0010	EA		2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	37.16	
			For Intumescent Sealant For Plastic Pipe, Add	0.10	
07 84 13 19-0011	EA		2-1/2" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	47.42	
			For Intumescent Sealant For Plastic Pipe, Add	1.47	
07 84 13 19-0012	EA		2-1/2" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	47.17	
			For Intumescent Sealant For Plastic Pipe, Add	1.37	
07 84 13 19-0013	EA		2-1/2" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	46.73	
			For Intumescent Sealant For Plastic Pipe, Add	1.20	
07 84 13 19-0014	EA		2-1/2" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	46.06	
			For Intumescent Sealant For Plastic Pipe, Add	0.93	
07 84 13 19-0015	EA		2-1/2" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	45.50	
			For Intumescent Sealant For Plastic Pipe, Add	0.70	
07 84 13 19-0016	EA		2-1/2" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	44.15	
			For Intumescent Sealant For Plastic Pipe, Add	0.16	
07 84 13 19-0017	EA		3" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	64.60	
			For Intumescent Sealant For Plastic Pipe, Add	3.97	
07 84 13 19-0018	EA		3" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	59.93	
			For Intumescent Sealant For Plastic Pipe, Add	2.10	
07 84 13 19-0019	EA		3" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	59.50	
			For Intumescent Sealant For Plastic Pipe, Add	1.93	
07 84 13 19-0020	EA		3" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	58.82	
			For Intumescent Sealant For Plastic Pipe, Add	1.66	
07 84 13 19-0021	EA		3" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	58.26	
			For Intumescent Sealant For Plastic Pipe, Add	1.44	
07 84 13 19-0022	EA		3" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	56.91	
			For Intumescent Sealant For Plastic Pipe, Add	0.90	
07 84 13 19-0023	EA		3" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	55.16	
			For Intumescent Sealant For Plastic Pipe, Add	0.20	
07 84 13 19-0024	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	86.66	
			For Intumescent Sealant For Plastic Pipe, Add	7.33	
07 84 13 19-0025	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	86.18	
			For Intumescent Sealant For Plastic Pipe, Add	7.14	
07 84 13 19-0026	EA		4" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	85.41	
			For Intumescent Sealant For Plastic Pipe, Add	6.83	
07 84 13 19-0027	EA		4" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	84.20	
			For Intumescent Sealant For Plastic Pipe, Add	6.34	

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**
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07 84 13 19-0028	EA	4" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	83.18	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.94	
07 84 13 19-0029	EA	4" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	75.23	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.76	
07 84 13 19-0030	EA	4" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	73.49	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	2.06	
07 84 13 19-0031	EA	4" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	70.84	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	1.00	
07 84 13 19-0032	EA	6" Diameter Hole With 1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	137.95	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.91	
07 84 13 19-0033	EA	6" Diameter Hole With 3/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	137.48	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.72	
07 84 13 19-0034	EA	6" Diameter Hole With 1" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	136.70	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	16.41	
07 84 13 19-0035	EA	6" Diameter Hole With 1-1/4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	135.50	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.93	
07 84 13 19-0036	EA	6" Diameter Hole With 1-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	134.48	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	15.52	
07 84 13 19-0037	EA	6" Diameter Hole With 2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	132.04	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	14.54	
07 84 13 19-0038	EA	6" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	128.90	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	13.29	
07 84 13 19-0039	EA	6" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	124.13	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	11.38	
07 84 13 19-0040	EA	6" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	106.16	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	4.19	
07 84 13 19-0041	EA	8" Diameter Hole With 2-1/2" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	182.93	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	26.70	
07 84 13 19-0042	EA	8" Diameter Hole With 3" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	178.16	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	24.79	
07 84 13 19-0043	EA	8" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	168.58	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	20.96	
07 84 13 19-0044	EA	8" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	129.52	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	5.34	
07 84 13 19-0045	EA	10" Diameter Hole With 4" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	232.20	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	38.21	
07 84 13 19-0046	EA	10" Diameter Hole With 6" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	203.80	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	26.85	
07 84 13 19-0047	EA	10" Diameter Hole With 8" Pipe, Sealed With Intumescent Firestop Sealant (3M CP 25WB+).....	153.66	
		<i>For Intumescent Sealant For Plastic Pipe, Add</i>	6.79	

**07 84 13 19-0048 Smoke, Noise And Infectious/Dust Control Sealant For Sealing Pipe Penetrations**

(07 84 13 19)

Note: Includes sealant and fiberglass or mineral wool batt for floor, ceiling or wall penetrations.

07 84 13 19-0049	EA	1-1/2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.15	
07 84 13 19-0050	EA	1-1/2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	33.05	
07 84 13 19-0051	EA	1-1/2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	32.91	
07 84 13 19-0052	EA	2" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.63	
07 84 13 19-0053	EA	2" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.53	
07 84 13 19-0054	EA	2" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.40	
07 84 13 19-0055	EA	2" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.19	
07 84 13 19-0056	EA	2" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	37.00	
07 84 13 19-0057	EA	2.5" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	45.01	
07 84 13 19-0058	EA	2.5" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.92	
07 84 13 19-0059	EA	2.5" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.77	
07 84 13 19-0060	EA	2.5" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.57	
07 84 13 19-0061	EA	2.5" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	44.38	
07 84 13 19-0062	EA	2.5" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	43.92	
07 84 13 19-0063	EA	3" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.55	
07 84 13 19-0064	EA	3" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.46	
07 84 13 19-0065	EA	3" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.32	
07 84 13 19-0066	EA	3" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	56.11	
07 84 13 19-0067	EA	3" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.92	
07 84 13 19-0068	EA	3" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	55.46	
07 84 13 19-0069	EA	3" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	54.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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07 84 13 19-0070	EA		4" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	71.84	
07 84 13 19-0071	EA		4" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	71.74	
07 84 13 19-0072	EA		4" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	71.60	
07 84 13 19-0073	EA		4" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	71.37	
07 84 13 19-0074	EA		4" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	71.16	
07 84 13 19-0075	EA		4" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.69	
07 84 13 19-0076	EA		4" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	70.10	
07 84 13 19-0077	EA		4" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	69.18	
07 84 13 19-0078	EA		6" Diameter Hole With 1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	103.74	
07 84 13 19-0079	EA		6" Diameter Hole With 3/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	103.64	
07 84 13 19-0080	EA		6" Diameter Hole With 1" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	103.50	
07 84 13 19-0081	EA		6" Diameter Hole With 1-1/4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	103.30	
07 84 13 19-0082	EA		6" Diameter Hole With 1-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	103.11	
07 84 13 19-0083	EA		6" Diameter Hole With 2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	102.65	
07 84 13 19-0084	EA		6" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	102.00	
07 84 13 19-0085	EA		6" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	101.13	
07 84 13 19-0086	EA		6" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	99.24	
07 84 13 19-0087	EA		8" Diameter Hole With 2-1/2" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	128.91	
07 84 13 19-0088	EA		8" Diameter Hole With 3" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	128.03	
07 84 13 19-0089	EA		8" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	126.14	
07 84 13 19-0090	EA		8" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	120.80	
07 84 13 19-0091	EA		10" Diameter Hole With 4" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	154.90	
07 84 13 19-0092	EA		10" Diameter Hole With 6" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	149.54	
07 84 13 19-0093	EA		10" Diameter Hole With 8" Pipe, Sealed With Smoke, Noise And Infectious/Dust Control Sealant (STI SpecSeal Smoke 'N' Sound).....	142.47	

**07 84 16 Annular Space Protection (07 84)**

07 84 16 00-0001			<b>Intumescent Fire Barrier Sheets For Sealing Large Openings (07 84 16)</b> Note: Price includes intumescent sheet, mounting fasteners and caulk for sealing one side of an opening.		
07 84 16 00-0002	EA		16" x 28" Intumescent Firestop Sheet (3M CS-195+16x28) .....	380.91	
07 84 16 00-0003	EA		36" x 24" Intumescent Firestop Sheet (3M CS-195+3x2) .....	531.99	
07 84 16 00-0004	EA		36" x 36" Intumescent Firestop Sheet (3M CS-195+3x3) .....	715.71	
07 84 16 00-0005			<b>Endothermic Mat Wrap Fire Barrier (07 84 16)</b> Note: Price includes endothermic mat wrap and sealant. Excludes cavity fill material; putty or fireproof caulk/sealant. See CSI section 07 84 16 00-0007 for filling openings.		
07 84 16 00-0006	SF		0.408" Thick Aluminum Foil Faced Endothermic Mat (3M Interam E-5A-4).....	58.06	
07 84 16 00-0007			<b>Firestopping Caulk For Filling Opening (07 84 16)</b>		
07 84 16 00-0008	GAL		Latex Based Intumescent Fire Barrier Sealant (3M CP-25WB+).....	159.44	
07 84 16 00-0009			<b>Firestopping Mortar For Filling Opening (07 84 16)</b>		
07 84 16 00-0010	CF		Light-Weight Portland Cement-Based Firestop Mortar (STI SpecSeal SSM Series).....	195.86	
07 84 16 00-0011			<b>Intumescent Fire Barrier Pillows For Sealing Large Openings (07 84 16)</b>		
07 84 16 00-0012	EA		2" x 4" x 9" Intumescent Fire Barrier Pillow (3M FB249).....	41.03	
07 84 16 00-0013	EA		2" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB269).....	43.98	
07 84 16 00-0014	EA		3" x 6" x 9" Intumescent Fire Barrier Pillow (3M FB369).....	47.61	
07 84 16 00-0015			<b>Intumescent Firestopping For Electrical Outlet Boxes (07 84 16)</b>		
07 84 16 00-0016			<b>Intumescent Putty Pads For Wrapping Outlet Box Exteriors (07 84 16 00-0015)</b>		
07 84 16 00-0017	EA		1 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	41.70	
07 84 16 00-0018	EA		2 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	58.80	
07 84 16 00-0019	EA		3 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	61.53	
07 84 16 00-0020	EA		4 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	64.27	
07 84 16 00-0021	EA		5 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+).....	67.00	



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07 84 16 00-0022 EA 6 Gang Outlet Box, Intumescent Firestop Putty Exterior Wrap (3M MPP+)..... 84.09

**07 84 16 00-0023 Intumescent Firestop Gasket For Wall Plates (07 84 16 00-0015)**

07 84 16 00-0024 EA Single Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66276)..... 17.14  
 07 84 16 00-0025 EA Double Switch Wall Plate, Intumescent Firestop Gasket (RectorSeal 66274) ..... 17.74  
 07 84 16 00-0026 EA Single Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66272) ..... 16.62  
 07 84 16 00-0027 EA Double Receptacle Wall Plate, Intumescent Firestop Gasket (RectorSeal 66270)..... 17.79  
 07 84 16 00-0028 EA Single Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66266)..... 17.33  
 07 84 16 00-0029 EA Double Decor Wall Plate, Intumescent Firestop Gasket (RectorSeal 66265) ..... 16.70

**07 84 23 Silicone Firestopping Foams (07 84)****07 84 23 00-0001 Silicone RTV Foam Seal For Blank Openings (07 84 23)**

Note: Standard 7" foam depth.

07 84 23 00-0002 EA 2" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam..... 50.65  
 07 84 23 00-0003 EA 4" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam..... 108.77  
 07 84 23 00-0004 EA 6" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam..... 192.47  
 07 84 23 00-0005 EA 8" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam..... 284.49  
 07 84 23 00-0006 EA 10" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam..... 401.97  
 07 84 23 00-0007 EA 12" Diameter Hole Sealed With Room Temperature Vulcanizing Silicone Fire Barrier Foam..... 541.51

**07 84 43 Joint Firestopping (07 84)****07 84 43 00-0001 Intumescent Firestopping Sealant For Joints (3M CP 25WB+) (07 84 43)**

07 84 43 00-0002 CLF 1/4" x 1/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 470.73 123.02  
 For Up To 6 CLF, Add 26.08  
 For >30 CLF, Deduct -28.62  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 15.25  
 07 84 43 00-0003 CLF 1/4" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 521.62 123.02  
 For Up To 4 CLF, Add 29.90  
 For >20 CLF, Deduct -33.71  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 22.89  
 07 84 43 00-0004 CLF 1/4" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 586.13 127.12  
 For Up To 3 CLF, Add 34.39  
 For >15 CLF, Deduct -39.48  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 30.51  
 07 84 43 00-0005 CLF 3/8" x 3/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 611.56 127.12  
 For Up To 2.5 CLF, Add 36.30  
 For >13 CLF, Deduct -42.02  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 34.33  
 07 84 43 00-0006 CLF 3/8" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 687.84 127.12  
 For Up To 2 CLF, Add 42.02  
 For >10 CLF, Deduct -49.65  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 45.77  
 07 84 43 00-0007 CLF 3/8" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 764.13 127.12  
 For Up To 1.5 CLF, Add 47.74  
 For >8 CLF, Deduct -57.28  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 57.21  
 07 84 43 00-0008 CLF 3/8" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 854.08 132.58  
 For Up To 1.3 CLF, Add 54.15  
 For >7 CLF, Deduct -65.59  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 68.66  
 07 84 43 00-0009 CLF 1/2" x 1/2" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 803.23 132.58  
 For Up To 1.4 CLF, Add 50.33  
 For >7.5 CLF, Deduct -60.50  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 61.03  
 07 84 43 00-0010 CLF 1/2" x 5/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 918.61 136.68  
 For Up To 1.15 CLF, Add 58.64  
 For >6 CLF, Deduct -71.36  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 76.29  
 07 84 43 00-0011 CLF 1/2" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 1,020.32 136.68  
 For Up To 1 CLF, Add 66.27  
 For >5 CLF, Deduct -81.53  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 91.54  
 07 84 43 00-0012 CLF 1/2" x 7/8" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 1,135.71 140.79  
 For Up To 0.8 CLF, Add 74.59  
 For >4.5 CLF, Deduct -92.39  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 106.80  
 07 84 43 00-0013 CLF 1/2" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 1,251.09 146.25  
 For Up To 0.75 CLF, Add 82.90  
 For >4 CLF, Deduct -103.24  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 122.06  
 07 84 43 00-0014 CLF 3/4" x 3/4" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 1,366.48 150.35  
 For Up To 0.65 CLF, Add 91.21  
 For >3.5 CLF, Deduct -114.10  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 137.31  
 07 84 43 00-0015 CLF 3/4" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 1,712.62 164.02  
 For Up To 0.5 CLF, Add 116.15  
 For >2.5 CLF, Deduct -146.66  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 183.09  
 07 84 43 00-0016 CLF 1" x 1" Joint, Intumescent Firestop Sealant (3M CP 25WB+) ..... 2,174.14 181.78  
 For Up To 0.4 CLF, Add 149.39  
 For >2 CLF, Deduct -190.08  
 For Silicone Sealant (Bio Fireshield BFS 100 or 200), add 244.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**07 84 43 00-0017 Latex-Based, Intumescent Firestop Sealant For Joints (STI SSS Series) (07 84)**

07 84 43 00-0018	CLF	1/4" x 1/4"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	484.90 27.14 -30.04	123.02
07 84 43 00-0019	CLF	1/4" x 3/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	542.82 31.49 -35.83	123.02
07 84 43 00-0020	CLF	1/4" x 1/2"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	614.41 36.51 -42.31	127.12
07 84 43 00-0021	CLF	3/8" x 3/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	643.38 38.69 -45.20	127.12
07 84 43 00-0022	CLF	3/8" x 1/2"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	730.27 45.20 -53.89	127.12
07 84 43 00-0023	CLF	3/8" x 5/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	817.16 51.72 -62.58	127.12
07 84 43 00-0024	CLF	3/8" x 3/4"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	917.72 58.92 -71.95	132.58
07 84 43 00-0025	CLF	1/2" x 1/2"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	859.79 54.58 -66.16	132.58
07 84 43 00-0026	CLF	1/2" x 5/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	989.32 63.95 -78.43	136.68
07 84 43 00-0027	CLF	1/2" x 3/4"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	1,105.18 72.64 -90.02	136.68
07 84 43 00-0028	CLF	1/2" x 7/8"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	1,234.70 82.01 -102.28	140.79
07 84 43 00-0029	CLF	1/2" x 1"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	1,364.23 91.38 -114.55	146.25
07 84 43 00-0030	CLF	3/4" x 3/4"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	1,493.75 100.76 -126.82	150.35
07 84 43 00-0031	CLF	3/4" x 1"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	1,882.32 128.87 -163.63	164.02
07 84 43 00-0032	CLF	1" x 1"	Joint, Latex-Based, Intumescent Firestop Sealant (STI SSS Series) ..... <i>For Up To 0.4 CLF, Add</i> <i>For &gt;2 CLF, Deduct</i>	2,400.41 166.36 -212.71	181.78

**07 84 43 00-0033 Passive Smoke And Fire Protection Sealant For Joints (STI ES Series) (07 84)**

07 84 43 00-0034	CLF	1/4" x 1/4"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	428.97 22.95 -24.45	123.02
07 84 43 00-0035	CLF	1/4" x 3/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	458.93 25.19 -27.44	123.02
07 84 43 00-0036	CLF	1/4" x 1/2"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	502.55 28.12 -31.12	127.12
07 84 43 00-0037	CLF	3/8" x 3/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	517.53 29.25 -32.62	127.12
07 84 43 00-0038	CLF	3/8" x 1/2"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	562.48 32.62 -37.11	127.12
07 84 43 00-0039	CLF	3/8" x 5/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	607.42 35.99 -41.61	127.12
07 84 43 00-0040	CLF	3/8" x 3/4"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	666.03 40.04 -46.78	132.58
07 84 43 00-0041	CLF	1/2" x 1/2"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	636.07 37.80 -43.79	132.58
07 84 43 00-0042	CLF	1/2" x 5/8"	Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series) ..... <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	709.67 42.97 -50.47	136.68

**07 Thermal And Moisture Protection****07 80 Fire and Smoke Protection****07 84 Firestopping**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
07 84 43 00-0043	CLF 1/2" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	769.59	136.68
	<i>For Up To 1 CLF, Add</i>	47.47	
	<i>For &gt;5 CLF, Deduct</i>	-56.46	
07 84 43 00-0044	CLF 1/2" x 7/8" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	843.19	140.79
	<i>For Up To 0.8 CLF, Add</i>	52.65	
	<i>For &gt;4.5 CLF, Deduct</i>	-63.13	
07 84 43 00-0045	CLF 1/2" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	916.78	146.25
	<i>For Up To 0.75 CLF, Add</i>	57.82	
	<i>For &gt;4 CLF, Deduct</i>	-69.81	
07 84 43 00-0046	CLF 3/4" x 3/4" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	990.38	150.35
	<i>For Up To 0.65 CLF, Add</i>	63.00	
	<i>For &gt;3.5 CLF, Deduct</i>	-76.49	
07 84 43 00-0047	CLF 3/4" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,211.16	164.02
	<i>For Up To 0.5 CLF, Add</i>	78.54	
	<i>For &gt;2.5 CLF, Deduct</i>	-96.51	
07 84 43 00-0048	CLF 1" x 1" Joint, Non-Halogenated Latex-Based Elastomeric, Passive Smoke And Fire Protection Sealant (STI SpecSeal ES Series).....	1,505.53	181.78
	<i>For Up To 0.4 CLF, Add</i>	99.25	
	<i>For &gt;2 CLF, Deduct</i>	-123.22	
<b>07 84 56 Fire Safing (07 84)</b>			
<b>07 84 56 13 Fibrous Fire Safing (07 84 56)</b>			
<b>07 84 56 13-0001 Thermal Barrier Wrap (07 84 56 13)</b>			
	Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
07 84 56 13-0002	SF 1/2" Thick Fire Barrier Plenum Wrap (3M Plenum Wrap 5A).....	12.17	
	<i>For Work In Restricted Working Space, Add</i>	1.73	
07 84 56 13-0003	SF 1-1/2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 15A).....	19.10	
	Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
	<i>For Work In Restricted Working Space, Add</i>	1.73	
07 84 56 13-0004	SF 2" Thick Fire Barrier Duct Wrap (3M Duct Wrap 20A).....	20.76	
	Note: Includes cutting wrap to fit pipe or conduit and sealing edges.		
	<i>For Work In Restricted Working Space, Add</i>	1.73	
<b>07 84 56 13-0005 FireMaster Blanket Wrap Fireproofing (07 84 56 13)</b>			
07 84 56 13-0006	SF 1/2" Thermal Ceramics FireMaster Blanket Wrap.....	20.32	11.83
	<i>For Work In Restricted Working Space, Add</i>	4.76	
07 84 56 13-0007	SF 1" Thermal Ceramics FireMaster Blanket Wrap.....	24.01	11.83
	<i>For Work In Restricted Working Space, Add</i>	4.76	
07 84 56 13-0008	SF 1-1/2" Thermal Ceramics FireMaster Blanket Wrap.....	28.06	11.83
	<i>For Work In Restricted Working Space, Add</i>	4.76	
07 84 56 13-0009	SF 2" Thermal Ceramics FireMaster Blanket Wrap.....	32.12	11.83
	<i>For Work In Restricted Working Space, Add</i>	4.76	
<b>07 90 Joint Protection (07)</b>			
<b>07 91 Preformed Joint Seals (07 90)</b>			
<b>07 91 23 Backer Rods (07 91)</b>			
<b>07 91 23 00-0001 Backer Rods (07 91 23)</b>			
07 91 23 00-0002	LF 1/4" Polyethylene Or Polyurethane Backer Rod.....	2.15	0.57
07 91 23 00-0003	LF 3/8" Polyethylene Or Polyurethane Backer Rod.....	2.33	0.57
07 91 23 00-0004	LF 1/2" Polyethylene Or Polyurethane Backer Rod.....	2.61	0.57
07 91 23 00-0005	LF 5/8" Polyethylene Or Polyurethane Backer Rod.....	3.10	0.57
07 91 23 00-0006	LF 3/4" Polyethylene Or Polyurethane Backer Rod.....	3.24	0.68
07 91 23 00-0007	LF 7/8" Polyethylene Or Polyurethane Backer Rod.....	3.66	0.68
07 91 23 00-0008	LF 1" Polyethylene Or Polyurethane Backer Rod.....	4.76	0.68
07 91 23 00-0009	LF 1-1/4" Polyethylene Or Polyurethane Backer Rod.....	5.81	0.80
07 91 23 00-0010	LF 1-1/2" Polyethylene Or Polyurethane Backer Rod.....	6.96	0.92
07 91 23 00-0011	LF 2" Polyethylene Or Polyurethane Backer Rod.....	9.74	1.04
07 91 23 00-0012	LF 3" Polyethylene Or Polyurethane Backer Rod.....	20.76	1.26
<b>07 91 26 Joint Fillers (07 91)</b>			
<b>07 91 26 00-0001 Butyl Rubber Fillers (07 91 26)</b>			
07 91 26 00-0002	LF 1/4" x 1/4" Butyl Rubber Filler.....	2.68	0.68
	<i>For Custom Match Coloring, Add</i>	0.05	
07 91 26 00-0003	LF 1/2" x 1/2" Butyl Rubber Filler.....	8.12	1.95
	<i>For Custom Match Coloring, Add</i>	0.21	
07 91 26 00-0004	LF 1/2" x 3/4" Butyl Rubber Filler.....	9.92	2.06
	<i>For Custom Match Coloring, Add</i>	0.33	
07 91 26 00-0005	LF 3/4" x 3/4" Butyl Rubber Filler.....	10.90	2.18
07 91 26 00-0006	LF 1" x 1" Butyl Rubber Filler.....	14.84	4.01
<b>07 91 26 00-0007 Closed Cell Neoprene (07 91 26)</b>			
07 91 26 00-0008	CLF 1/8" x 3" Neoprene Gasket Closed Cell, Adhesive.....	456.36	132.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 91 26 00-0009	CLF		1/8" x 6" Neoprene Gasket Closed Cell, Adhesive .....	728.03	191.25
07 91 26 00-0010	CLF		1/4" x 3" Neoprene Gasket Closed Cell, Adhesive .....	583.88	163.94
07 91 26 00-0011	CLF		1/4" x 6" Neoprene Gasket Closed Cell, Adhesive .....	669.33	172.08
07 91 26 00-0012	CLF		1/2" x 6" Neoprene Gasket Closed Cell, Adhesive .....	1,021.66	264.77
07 91 26 00-0013	CLF		1/2" x 9" Neoprene Gasket Closed Cell, Adhesive .....	1,165.94	286.81
07 91 26 00-0014	CLF		1/2" x 12" Neoprene Gasket Closed Cell, Adhesive .....	1,044.59	208.56
<b>07 91 26 00-0015</b>			<b>Closed Cell Polyvinyl Chloride (07 91 26)</b>		
07 91 26 00-0016	CLF		1/8" x 3" Polyethylene Joint Backing, Closed Cell .....	466.54	163.94
07 91 26 00-0017	CLF		1/8" x 6" Polyethylene Joint Backing, Closed Cell .....	789.13	264.77
07 91 26 00-0018	CLF		1/4" x 3" Polyethylene Joint Backing, Closed Cell .....	609.90	226.00
07 91 26 00-0019	CLF		1/4" x 6" Polyethylene Joint Backing, Closed Cell .....	733.82	238.62
07 91 26 00-0020	CLF		1/2" x 6" Polyethylene Joint Backing, Closed Cell .....	1,117.28	365.96
07 91 26 00-0021	CLF		1/2" x 9" Polyethylene Joint Backing, Closed Cell .....	1,307.38	397.17
07 91 26 00-0022	CLF		1/2" x 12" Polyethylene Joint Backing, Closed Cell .....	1,730.48	476.09
<b>07 91 26 00-0023</b>			<b>Silicon RTV Foam Penetration Seal (07 91 26)</b>		
07 91 26 00-0024	CLF		1/4" x 1/2" Silicon RTV Foam Seal .....	157.39	26.27
07 91 26 00-0025	CLF		1/2" x 1/2" Silicon RTV Foam Seal .....	314.77	52.43
07 91 26 00-0026	CLF		1/2" x 3/4" Silicon RTV Foam Seal .....	469.21	77.89
07 91 26 00-0027	CLF		3/4" x 3/4" Silicon RTV Foam Seal .....	664.57	104.97
07 91 26 00-0028	CLF		1/8" x 1" Silicon RTV Foam Seal .....	157.39	26.27
07 91 26 00-0029	CLF		1/8" x 3" Silicon RTV Foam Seal .....	468.74	77.66
07 91 26 00-0030	CLF		1/4" x 3" Silicon RTV Foam Seal .....	808.35	116.67
07 91 26 00-0031	CLF		1/4" x 6" Silicon RTV Foam Seal .....	1,614.66	232.54
07 91 26 00-0032	CLF		1/2" x 6" Silicon RTV Foam Seal .....	3,071.29	419.77
07 91 26 00-0033	CLF		1/2" x 9" Silicon RTV Foam Seal .....	4,691.32	655.75
07 91 26 00-0034	CLF		1/2" x 12" Silicon RTV Foam Seal .....	6,855.63	1,049.24
<b>07 91 26 00-0035</b>			<b>Seals O-Ring Type Cord "J-Seal" (07 91 26)</b>		
07 91 26 00-0036	LF		1/4" Seals O-Ring Cord, J-Seal .....	4.91	1.49
07 91 26 00-0037	LF		1/2" Seals O-Ring Cord, J-Seal .....	5.20	1.49
07 91 26 00-0038	LF		3/4" Seals O-Ring Cord, J-Seal .....	5.47	1.62
07 91 26 00-0039	LF		1" Seals O-Ring Cord, J-Seal .....	5.76	1.73
07 91 26 00-0040	LF		1-1/4" Seals O-Ring Cord, J-Seal .....	6.17	1.84
07 91 26 00-0041	LF		1-1/2" Seals O-Ring Cord, J-Seal .....	6.46	1.84
07 91 26 00-0042	LF		1-3/4" Seals O-Ring Cord, J-Seal .....	6.83	1.96
07 91 26 00-0043	LF		2" Seals O-Ring Cord, J-Seal .....	7.05	1.96
<b>07 91 33</b>			<b>Expansion Joint Seal Systems (07 91)</b>		
<b>07 91 33 00-0001</b>			<b>Expansion Joint Seal Systems (Wabo®) (07 91 33)</b>		
<b>07 91 33 00-0002</b>			<b>Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® HSeal) (07 91 33 00-0001)</b>		
Note: Includes a pre-compressed seal, epoxy adhesive and traffic grade elastomeric top coating.					
07 91 33 00-0003	LF		1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 25EH) .....	99.37	8.66
07 91 33 00-0004	LF		3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 40EH) .....	132.71	9.07
07 91 33 00-0005	LF		1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 50EH) .....	167.89	9.48
07 91 33 00-0006	LF		1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 65EH) .....	207.03	9.89
07 91 33 00-0007	LF		1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 75EH) .....	268.36	10.31
07 91 33 00-0008	LF		1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 90EH) .....	308.14	10.72
07 91 33 00-0009	LF		2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® HSeal 100EH) .....	357.49	11.13
<b>07 91 33 00-0010</b>			<b>Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)</b>		
Note: Includes preformed neoprene joint seal and lubricant adhesive.					
07 91 33 00-0011	LF		0.625" Minimum, 1.381" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-162) .....	51.15	8.66
07 91 33 00-0012	LF		0.688" Minimum, 1.488" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-175) .....	55.79	8.78
07 91 33 00-0013	LF		0.875" Minimum, 1.700" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-200) .....	67.29	8.91
07 91 33 00-0014	LF		0.953" Minimum, 1.913" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-225) .....	71.39	9.07
07 91 33 00-0015	LF		1.000" Minimum, 2.125" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-250) .....	76.26	9.19
07 91 33 00-0016	LF		1.125" Minimum, 2.550" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-300) .....	93.32	9.32
07 91 33 00-0017	LF		1.375" Minimum, 2.975" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-350) .....	114.97	9.48
07 91 33 00-0018	LF		1.625" Minimum, 3.400" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-400) .....	135.89	9.89

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 91 Preformed Joint Seals**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

07 91 33 00-0019	LF	1.687" Minimum, 4.250" Maximum Joint Opening, Neoprene, Preformed Elastomeric Horizontal Expansion Joint Seal System (Wabo® CompressionSeal WA-500).....	153.78	10.31
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**07 91 33 00-0020 Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal Systems (Wabo® CompressionSeal) (07 91 33 00-0001)**

Note: Includes preformed Santoprene® joint seal and lubricant adhesive.

07 91 33 00-0021	LF	0.500" Minimum, 1.500" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-100).....	42.93	8.66
07 91 33 00-0022	LF	0.688" Minimum, 1.938" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-225).....	55.63	9.07
07 91 33 00-0023	LF	1.063" Minimum, 2.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-250).....	68.11	9.48
07 91 33 00-0024	LF	1.250" Minimum, 2.563" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-300).....	71.91	9.69
07 91 33 00-0025	LF	1.250" Minimum, 3.375" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-400).....	79.71	9.89
07 91 33 00-0026	LF	1.438" Minimum, 4.250" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-500).....	114.02	10.31
07 91 33 00-0027	LF	1.813" Minimum, 5.125" Maximum Joint Opening, Santoprene®, Preformed Elastomeric Vertical Expansion Joint Seal System (Wabo® CompressionSeal WE-600).....	156.48	10.72

**07 91 33 00-0028 Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal Systems (Wabo® Seismic WeatherSeal) (07 91 33 00-0001)**

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0029	LF	1/2" Minimum, 1-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-100).....	36.63	3.43
07 91 33 00-0030	LF	3/4" Minimum, 2-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-150).....	61.33	3.58
07 91 33 00-0031	LF	1" Minimum, 3" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-200).....	92.26	3.71
07 91 33 00-0032	LF	1-1/4" Minimum, 3-3/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-250).....	116.29	3.85
07 91 33 00-0033	LF	1-1/2" Minimum, 4-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-300).....	152.99	3.98
07 91 33 00-0034	LF	1-3/4" Minimum, 5-1/4" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-350).....	202.34	4.12
07 91 33 00-0035	LF	2" Minimum, 6" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-400).....	248.14	4.26
07 91 33 00-0036	LF	2-1/2" Minimum, 7-1/2" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-500).....	334.58	4.40
07 91 33 00-0037	LF	3" Minimum, 9" Maximum Joint Opening, Coated Foam, Pre-Compressed, Elastomeric Expansion Joint Seal System (Wabo® Seismic WeatherSeal SWS-600).....	390.59	4.53

**07 91 33 00-0038 Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal Systems (Wabo® WeatherSeal II) (07 91 33 00-0001)**

Note: Includes a pre-compressed foam seal and silicone sealant.

07 91 33 00-0039	LF	0.75" Minimum, 1.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-100).....	35.74	3.43
07 91 33 00-0040	LF	1.13" Minimum, 1.88" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-150).....	47.11	3.58
07 91 33 00-0041	LF	1.50" Minimum, 2.50" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-200).....	63.17	3.71
07 91 33 00-0042	LF	1.88" Minimum, 3.13" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-250).....	85.65	3.85
07 91 33 00-0043	LF	2.25" Minimum, 3.75" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-300).....	97.69	3.98
07 91 33 00-0044	LF	2.63" Minimum, 4.38" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-350).....	135.50	4.12
07 91 33 00-0045	LF	3.00" Minimum, 5.00" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-400).....	181.96	4.26
07 91 33 00-0046	LF	3.75" Minimum, 6.25" Maximum Joint Opening, Silicone Faced Foam, Preformed Elastomeric Expansion Joint Seal System (Wabo® WeatherSeal II WS-500).....	196.45	4.40

**07 92 Joint Sealants (07 90)****07 92 13 Elastomeric Joint Sealants (07 92)****07 92 13 00-0001 Silicone Sealants And Caulking (07 92 13)**

07 92 13 00-0002	CLF	1/4" x 1/4" Joint, Silicone Sealant And Caulking.....	427.51	123.02
		<i>For Custom Match Coloring, Add</i>	14.03	
		<i>For Up To 6 CLF, Add</i>	22.84	
		<i>For &gt;30 CLF, Deduct</i>	-24.30	
		<i>For 1 Part Mildew Resistant, Add</i>	20.46	
		<i>For High-Modulus Non-Acid Curing, Add</i>	11.69	
07 92 13 00-0003	CLF	1/4" x 3/8" Joint, Silicone Sealant And Caulking.....	456.74	123.02
		<i>For Custom Match Coloring, Add</i>	21.05	
		<i>For Up To 4 CLF, Add</i>	25.03	
		<i>For &gt;20 CLF, Deduct</i>	-27.22	
		<i>For 1 Part Mildew Resistant, Add</i>	30.70	
		<i>For High-Modulus Non-Acid Curing, Add</i>	17.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0004			CLF 1/4" x 1/2" Joint, Silicone Sealant And Caulking.....	499.64	127.12
			For Custom Match Coloring, Add	28.07	
			For Up To 3 CLF, Add	27.91	
			For >15 CLF, Deduct	-30.83	
			For 1 Part Mildew Resistant, Add	40.93	
			For High-Modulus Non-Acid Curing, Add	23.39	
07 92 13 00-0005			CLF 3/8" x 3/8" Joint, Silicone Sealant And Caulking.....	514.25	127.12
			For Custom Match Coloring, Add	31.57	
			For Up To 2.5 CLF, Add	29.00	
			For >13 CLF, Deduct	-32.29	
			For 1 Part Mildew Resistant, Add	46.04	
			For High-Modulus Non-Acid Curing, Add	26.31	
07 92 13 00-0006			CLF 3/8" x 1/2" Joint, Silicone Sealant And Caulking.....	558.10	127.12
			For Custom Match Coloring, Add	42.10	
			For Up To 2 CLF, Add	32.29	
			For >10 CLF, Deduct	-36.68	
			For 1 Part Mildew Resistant, Add	61.39	
			For High-Modulus Non-Acid Curing, Add	35.08	
07 92 13 00-0007			CLF 3/8" x 5/8" Joint, Silicone Sealant And Caulking.....	601.96	127.12
			For Custom Match Coloring, Add	52.62	
			For Up To 1.5 CLF, Add	35.58	
			For >8 CLF, Deduct	-41.06	
			For 1 Part Mildew Resistant, Add	76.74	
			For High-Modulus Non-Acid Curing, Add	43.85	
07 92 13 00-0008			CLF 3/8" x 3/4" Joint, Silicone Sealant And Caulking.....	659.48	132.58
			For Custom Match Coloring, Add	63.15	
			For Up To 1.3 CLF, Add	39.55	
			For >7 CLF, Deduct	-46.13	
			For 1 Part Mildew Resistant, Add	92.09	
			For High-Modulus Non-Acid Curing, Add	52.62	
07 92 13 00-0009			CLF 1/2" x 1/2" Joint, Silicone Sealant And Caulking.....	630.24	132.58
			For Custom Match Coloring, Add	56.13	
			For Up To 1.4 CLF, Add	37.36	
			For >7.5 CLF, Deduct	-43.21	
			For 1 Part Mildew Resistant, Add	81.65	
			For High-Modulus Non-Acid Curing, Add	46.77	
07 92 13 00-0010			CLF 1/2" x 5/8" Joint, Silicone Sealant And Caulking.....	702.38	136.68
			For Custom Match Coloring, Add	70.16	
			For Up To 1.15 CLF, Add	42.43	
			For >6 CLF, Deduct	-49.74	
			For 1 Part Mildew Resistant, Add	102.32	
			For High-Modulus Non-Acid Curing, Add	58.47	
07 92 13 00-0011			CLF 1/2" x 3/4" Joint, Silicone Sealant And Caulking.....	760.85	136.68
			For Custom Match Coloring, Add	84.19	
			For Up To 1 CLF, Add	46.81	
			For >5 CLF, Deduct	-55.58	
			For 1 Part Mildew Resistant, Add	122.78	
			For High-Modulus Non-Acid Curing, Add	70.16	
07 92 13 00-0012			CLF 1/2" x 7/8" Joint, Silicone Sealant And Caulking.....	832.99	140.79
			For Custom Match Coloring, Add	98.23	
			For Up To 0.8 CLF, Add	51.88	
			For >4.5 CLF, Deduct	-62.11	
			For 1 Part Mildew Resistant, Add	143.25	
			For High-Modulus Non-Acid Curing, Add	81.86	
07 92 13 00-0013			CLF 1/2" x 1" Joint, Silicone Sealant And Caulking.....	905.13	146.25
			For Custom Match Coloring, Add	112.26	
			For Up To 0.75 CLF, Add	56.95	
			For >4 CLF, Deduct	-68.64	
			For 1 Part Mildew Resistant, Add	163.71	
			For High-Modulus Non-Acid Curing, Add	93.55	
07 92 13 00-0014			CLF 3/4" x 3/4" Joint, Silicone Sealant And Caulking.....	977.26	150.35
			For Custom Match Coloring, Add	126.29	
			For Up To 0.65 CLF, Add	62.02	
			For >3.5 CLF, Deduct	-75.17	
			For 1 Part Mildew Resistant, Add	184.17	
			For High-Modulus Non-Acid Curing, Add	105.24	
07 92 13 00-0015			CLF 3/4" x 1" Joint, Silicone Sealant And Caulking.....	1,193.67	164.02
			For Custom Match Coloring, Add	168.39	
			For Up To 0.5 CLF, Add	77.22	
			For >2.5 CLF, Deduct	-94.76	
			For 1 Part Mildew Resistant, Add	245.57	
			For High-Modulus Non-Acid Curing, Add	140.32	
07 92 13 00-0016			CLF 1" x 1" Joint, Silicone Sealant And Caulking.....	1,482.21	181.78
			For Custom Match Coloring, Add	224.52	
			For Up To 0.4 CLF, Add	97.50	
			For >2 CLF, Deduct	-120.89	
			For 1 Part Mildew Resistant, Add	327.42	
			For High-Modulus Non-Acid Curing, Add	187.10	
07 92 13 00-0017			<b>Acrylic/Latex Sealant And Caulking</b> (07 92 13)		
07 92 13 00-0018			CLF 1/4" x 1/4" Joint, Acrylic/Latex Sealant And Caulking.....	389.55	123.02
			For Up To 6 CLF, Add	19.99	
			For >30 CLF, Deduct	-20.50	
07 92 13 00-0019			CLF 1/4" x 3/8" Joint, Acrylic/Latex Sealant And Caulking.....	399.81	123.02
			For Up To 4 CLF, Add	20.76	
			For >20 CLF, Deduct	-21.53	
07 92 13 00-0020			CLF 1/4" x 1/2" Joint, Acrylic/Latex Sealant And Caulking.....	423.73	127.12
			For Up To 3 CLF, Add	22.21	
			For >15 CLF, Deduct	-23.24	



## 07 Thermal And Moisture Protection

## 07 90 Joint Protection

## 07 92 Joint Sealants

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0021	CLF		3/8" x 3/8" Joint, Acrylic/Latex Sealant And Caulking .....	428.85	127.12
			For Up To 2.5 CLF, Add	22.60	
			For >13 CLF, Deduct	-23.75	
07 92 13 00-0022	CLF		3/8" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	444.24	127.12
			For Up To 2 CLF, Add	23.75	
			For >10 CLF, Deduct	-25.29	
07 92 13 00-0023	CLF		3/8" x 5/8" Joint, Acrylic/Latex Sealant And Caulking .....	459.62	127.12
			For Up To 1.5 CLF, Add	24.90	
			For >8 CLF, Deduct	-26.83	
07 92 13 00-0024	CLF		3/8" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	488.68	132.58
			For Up To 1.3 CLF, Add	26.74	
			For >7 CLF, Deduct	-29.05	
07 92 13 00-0025	CLF		1/2" x 1/2" Joint, Acrylic/Latex Sealant And Caulking .....	478.42	132.58
			For Up To 1.4 CLF, Add	25.97	
			For >7.5 CLF, Deduct	-28.02	
07 92 13 00-0026	CLF		1/2" x 5/8" Joint, Acrylic/Latex Sealant And Caulking .....	512.60	136.68
			For Up To 1.15 CLF, Add	28.19	
			For >6 CLF, Deduct	-30.76	
07 92 13 00-0027	CLF		1/2" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	533.12	136.68
			For Up To 1 CLF, Add	29.73	
			For >5 CLF, Deduct	-32.81	
07 92 13 00-0028	CLF		1/2" x 7/8" Joint, Acrylic/Latex Sealant And Caulking .....	567.30	140.79
			For Up To 0.8 CLF, Add	31.95	
			For >4.5 CLF, Deduct	-35.54	
07 92 13 00-0029	CLF		1/2" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	601.48	146.25
			For Up To 0.75 CLF, Add	34.18	
			For >4 CLF, Deduct	-38.28	
07 92 13 00-0030	CLF		3/4" x 3/4" Joint, Acrylic/Latex Sealant And Caulking .....	635.66	150.35
			For Up To 0.65 CLF, Add	36.40	
			For >3.5 CLF, Deduct	-41.01	
07 92 13 00-0031	CLF		3/4" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	738.20	164.02
			For Up To 0.5 CLF, Add	43.06	
			For >2.5 CLF, Deduct	-49.22	
07 92 13 00-0032	CLF		1" x 1" Joint, Acrylic/Latex Sealant And Caulking .....	874.92	181.78
			For Up To 0.4 CLF, Add	51.95	
			For >2 CLF, Deduct	-60.16	
07 92 13 00-0033			<b>Polyurethane Sealant And Caulking</b> (07 92 13)		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0034	CLF		1/4" x 1/4" Joint, Polyurethane Sealant And Caulking.....	413.88	123.02
			For Up To 6 CLF, Add	21.82	
			For >30 CLF, Deduct	-22.94	
07 92 13 00-0035	CLF		1/4" x 3/8" Joint, Polyurethane Sealant And Caulking.....	436.31	123.02
			For Up To 4 CLF, Add	23.50	
			For >20 CLF, Deduct	-25.18	
07 92 13 00-0036	CLF		1/4" x 1/2" Joint, Polyurethane Sealant And Caulking.....	472.39	127.12
			For Up To 3 CLF, Add	25.86	
			For >15 CLF, Deduct	-28.10	
07 92 13 00-0037	CLF		3/8" x 3/8" Joint, Polyurethane Sealant And Caulking.....	483.60	127.12
			For Up To 2.5 CLF, Add	26.70	
			For >13 CLF, Deduct	-29.23	
07 92 13 00-0038	CLF		3/8" x 1/2" Joint, Polyurethane Sealant And Caulking.....	517.23	127.12
			For Up To 2 CLF, Add	29.22	
			For >10 CLF, Deduct	-32.59	
07 92 13 00-0039	CLF		3/8" x 5/8" Joint, Polyurethane Sealant And Caulking.....	550.86	127.12
			For Up To 1.5 CLF, Add	31.75	
			For >8 CLF, Deduct	-35.95	
07 92 13 00-0040	CLF		3/8" x 3/4" Joint, Polyurethane Sealant And Caulking.....	598.16	132.58
			For Up To 1.3 CLF, Add	34.95	
			For >7 CLF, Deduct	-40.00	
07 92 13 00-0041	CLF		1/2" x 1/2" Joint, Polyurethane Sealant And Caulking.....	575.74	132.58
			For Up To 1.4 CLF, Add	33.27	
			For >7.5 CLF, Deduct	-37.76	
07 92 13 00-0042	CLF		1/2" x 5/8" Joint, Polyurethane Sealant And Caulking.....	634.26	136.68
			For Up To 1.15 CLF, Add	37.32	
			For >6 CLF, Deduct	-42.92	
07 92 13 00-0043	CLF		1/2" x 3/4" Joint, Polyurethane Sealant And Caulking.....	679.10	136.68
			For Up To 1 CLF, Add	40.68	
			For >5 CLF, Deduct	-47.41	
07 92 13 00-0044	CLF		1/2" x 7/8" Joint, Polyurethane Sealant And Caulking.....	737.61	140.79
			For Up To 0.8 CLF, Add	44.73	
			For >4.5 CLF, Deduct	-52.58	
07 92 13 00-0045	CLF		1/2" x 1" Joint, Polyurethane Sealant And Caulking.....	796.13	146.25
			For Up To 0.75 CLF, Add	48.78	
			For >4 CLF, Deduct	-57.74	
07 92 13 00-0046	CLF		3/4" x 3/4" Joint, Polyurethane Sealant And Caulking.....	854.64	150.35
			For Up To 0.65 CLF, Add	52.82	
			For >3.5 CLF, Deduct	-62.91	
07 92 13 00-0047	CLF		3/4" x 1" Joint, Polyurethane Sealant And Caulking.....	1,030.17	164.02
			For Up To 0.5 CLF, Add	64.96	
			For >2.5 CLF, Deduct	-78.41	
07 92 13 00-0048			<b>Flexible Polysulfide Sealant And Caulking, Clear</b> (07 92 13)		
			Note: 1 or 2 part, non-sag.		
07 92 13 00-0049	CLF		1/4" x 1/4" Joint, Polysulfide Sealant And Caulking .....	418.14	123.02
			For Up To 6 CLF, Add	22.13	
			For >30 CLF, Deduct	-23.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
07 92 13 00-0050			CLF 1/4" x 3/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	442.71 23.98 -25.82	123.02
07 92 13 00-0051			CLF 1/4" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	480.92 26.50 -28.96	127.12
07 92 13 00-0052			CLF 3/8" x 3/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	493.19 27.42 -30.18	127.12
07 92 13 00-0053			CLF 3/8" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	530.04 30.19 -33.87	127.12
07 92 13 00-0054			CLF 3/8" x 5/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	566.86 32.95 -37.55	127.12
07 92 13 00-0055			CLF 3/8" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	617.36 36.39 -41.92	132.58
07 92 13 00-0056			CLF 1/2" x 1/2" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	592.81 34.55 -39.46	132.58
07 92 13 00-0057			CLF 1/2" x 5/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	655.60 38.92 -45.06	136.68
07 92 13 00-0058			CLF 1/2" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	704.70 42.60 -49.97	136.68
07 92 13 00-0059			CLF 1/2" x 7/8" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	767.49 46.97 -55.56	140.79
07 92 13 00-0060			CLF 1/2" x 1" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	830.26 51.34 -61.16	146.25
07 92 13 00-0061			CLF 3/4" x 3/4" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	893.05 55.70 -66.75	150.35
07 92 13 00-0062			CLF 3/4" x 1" Joint, Polysulfide Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	1,081.36 68.80 -83.53	164.02
<b>07 92 13 00-0063 Flexible Polyurethane Security Sealant And Caulking (07 92 13)</b>					
Note: 1 or 2 part, non-sag.					
07 92 13 00-0064			CLF 1/4" x 1/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 6 CLF, Add</i> <i>For &gt;30 CLF, Deduct</i>	428.56 22.92 -24.40	123.02
07 92 13 00-0065			CLF 1/4" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 4 CLF, Add</i> <i>For &gt;20 CLF, Deduct</i>	458.32 25.15 -27.38	123.02
07 92 13 00-0066			CLF 1/4" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 3 CLF, Add</i> <i>For &gt;15 CLF, Deduct</i>	501.73 28.06 -31.04	127.12
07 92 13 00-0067			CLF 3/8" x 3/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 2.5 CLF, Add</i> <i>For &gt;13 CLF, Deduct</i>	516.61 29.18 -32.53	127.12
07 92 13 00-0068			CLF 3/8" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 2 CLF, Add</i> <i>For &gt;10 CLF, Deduct</i>	561.25 32.53 -36.99	127.12
07 92 13 00-0069			CLF 3/8" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.5 CLF, Add</i> <i>For &gt;8 CLF, Deduct</i>	605.89 35.87 -41.45	127.12
07 92 13 00-0070			CLF 3/8" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.3 CLF, Add</i> <i>For &gt;7 CLF, Deduct</i>	664.19 39.91 -46.60	132.58
07 92 13 00-0071			CLF 1/2" x 1/2" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.4 CLF, Add</i> <i>For &gt;7.5 CLF, Deduct</i>	634.44 37.67 -43.63	132.58
07 92 13 00-0072			CLF 1/2" x 5/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1.15 CLF, Add</i> <i>For &gt;6 CLF, Deduct</i>	707.62 42.82 -50.26	136.68
07 92 13 00-0073			CLF 1/2" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 1 CLF, Add</i> <i>For &gt;5 CLF, Deduct</i>	767.14 47.28 -56.21	136.68
07 92 13 00-0074			CLF 1/2" x 7/8" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 0.8 CLF, Add</i> <i>For &gt;4.5 CLF, Deduct</i>	840.32 52.43 -62.85	140.79
07 92 13 00-0075			CLF 1/2" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 0.75 CLF, Add</i> <i>For &gt;4 CLF, Deduct</i>	913.51 57.58 -69.48	146.25
07 92 13 00-0076			CLF 3/4" x 3/4" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 0.65 CLF, Add</i> <i>For &gt;3.5 CLF, Deduct</i>	986.70 62.73 -76.12	150.35
07 92 13 00-0077			CLF 3/4" x 1" Joint, Flexible Polyurethane Security Sealant And Caulking <i>For Up To 0.5 CLF, Add</i> <i>For &gt;2.5 CLF, Deduct</i>	1,206.25 78.17 -96.02	164.02

**07 95 Expansion Control (07 90)**

**07 Thermal And Moisture Protection****07 90 Joint Protection****07 95 Expansion Control**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**07 95 13 Expansion Joint Cover Assemblies (07 95)**

Note: Includes necessary waterproofing mastics/caulking.

**07 95 13 13 Interior Expansion Joint Cover Assemblies (07 95 13)****07 95 13 13-0001 Interior Floor Expansion Joint Cover Assemblies (07 95 13 13)****07 95 13 13-0002 With 1" Space (07 95 13 13-0001)**

07 95 13 13-0003	LF	1" Opening Floor Assembly Type, With Aluminum Expansion Joint Cover.....	92.62	11.00
07 95 13 13-0004	LF	1" Opening Floor Assembly Type, With Bronze Expansion Joint Cover.....	79.35	11.00
07 95 13 13-0005	LF	1" Opening Floor Assembly Type, With Stainless Steel Expansion Joint Cover.....	110.97	11.00

**07 95 13 13-0006 With 2" Space (07 95 13 13-0001)**

07 95 13 13-0007	LF	2" Opening Floor Assembly Type, Aluminum Expansion Joint Cover.....	119.58	11.00
07 95 13 13-0008	LF	2" Opening Floor Assembly Type, Bronze Expansion Joint Cover.....	92.90	11.00
07 95 13 13-0009	LF	2" Opening Floor Assembly Type, Stainless Steel Expansion Joint Cover.....	147.12	11.00

**07 95 13 13-0010 Interior Ceiling And Wall Expansion Joint Cover Assemblies (07 95 13 13)****07 95 13 13-0011 With 1" Space (07 95 13 13-0010)**

07 95 13 13-0012	LF	1" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	75.21	11.00
07 95 13 13-0013	LF	1" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover.....	75.36	11.00
07 95 13 13-0014	LF	1" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	102.46	11.00

**07 95 13 13-0015 With 2" Space (07 95 13 13-0010)**

07 95 13 13-0016	LF	2" Opening Ceiling And Wall Assembly Type, Aluminum Expansion Joint Cover.....	91.39	11.00
07 95 13 13-0017	LF	2" Opening Ceiling And Wall Assembly Type, Bronze Expansion Joint Cover.....	82.13	11.00
07 95 13 13-0018	LF	2" Opening Ceiling And Wall Assembly Type, Stainless Steel Expansion Joint Cover.....	120.53	11.00

**07 95 13 16 Exterior Expansion Joint Cover Assemblies (07 95 13)****07 95 13 16-0001 Exterior Roof Aluminum Expansion Joint Cover Assemblies (07 95 13 16)****07 95 13 16-0002 Roof To Roof (07 95 13 16-0001)**

07 95 13 16-0003	LF	1" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint.....	118.60	7.34
07 95 13 16-0004	LF	2" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint.....	141.30	7.34
07 95 13 16-0005	LF	3" Opening Aluminum Assemblies, Exterior Roof To Roof Expansion Joint.....	156.93	7.34

**07 95 13 16-0006 Roof To Wall (07 95 13 16-0001)**

07 95 13 16-0007	LF	1" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	91.25	7.34
07 95 13 16-0008	LF	2" Opening Aluminum Assemblies, Exterior Roof To Wall Expansion Joint.....	119.03	7.34

**07 95 13 16-0009 Flat Wall To Wall (07 95 13 16-0001)**

07 95 13 16-0010	LF	1" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint.....	69.45	7.34
07 95 13 16-0011	LF	2" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint.....	86.12	7.34
07 95 13 16-0012	LF	3" Opening Aluminum Assemblies, Exterior Wall To Wall Expansion Joint.....	106.24	7.34

**07 95 13 16-0013 Corner To Flat Wall (07 95 13 16-0001)**

07 95 13 16-0014	LF	1" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint.....	66.68	7.34
07 95 13 16-0015	LF	2" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint.....	77.79	7.34
07 95 13 16-0016	LF	3" Opening Aluminum Assemblies, Exterior Corner To Wall Expansion Joint.....	109.02	7.34

**END OF SECTION 07**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 08 Openings

### 08 01 Operation and Maintenance of Openings <sup>(08)</sup>

#### 08 01 10 Operation and Maintenance of Doors and Frames <sup>(08 01)</sup>

##### 08 01 11 Operation and Maintenance of Metal Doors and Frames <sup>(08 01 10)</sup>

##### 08 01 11 61 Metal Doors and Frames Repair <sup>(08 01 11)</sup>

08 01 11 61-0001	Hollow Metal Door Repair <sup>(08 01 11 61)</sup>		
	Note: Repairs are based on holes or damage of less than 1/2 of a square foot.		
08 01 11 61-0002	EA Up To 1 SI, Patch Small Drill Holes .....	30.85	
	Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish		
08 01 11 61-0003	EA >1 To 6 SI, Patch Small Drill Holes.....	61.88	
	Note: Per hinge location - sand to bare metal, mix/patch with bondo, fine grit sand smooth for finish		
08 01 11 61-0004	LF Patch Deep Scrapes Or Cuts In Doors.....	74.44	

#### 08 01 50 Operation and Maintenance of Windows <sup>(08 01)</sup>

##### 08 01 51 Operation and Maintenance of Metal Windows <sup>(08 01 50)</sup>

08 01 51 00-0001	Window Restoration And Replacement <sup>(08 01 51)</sup>		
08 01 51 00-0002	EA Removal And Replacement Of Window Balance, Removable Sash Aluminum Window.....	32.87	
	Note: Channel, spiral or coil balance.		

##### 08 01 52 Operation and Maintenance of Wood Windows <sup>(08 01 50)</sup>

##### 08 01 52 61 Wood Window Repairs <sup>(08 01 52)</sup>

08 01 52 61-0001	Window Restoration And Replacement <sup>(08 01 52 61)</sup>		
08 01 52 61-0002	EA Removal And Replacement Of Window Arms .....	41.64	
08 01 52 61-0003	EA Removal And Replacement Of Window Crank Operator .....	47.88	
08 01 52 61-0004	EA Removal And Replacement Of Brass Window Sash Pull .....	28.83	
08 01 52 61-0005	EA Removal And Replacement Of Brass Window Sash Lock .....	26.32	
08 01 52 61-0006	EA Removal And Replacement Of Sash Guides .....	15.01	
08 01 52 61-0007	EA Removal And Replacement Of Window Balance, Removable Sash Window.....	32.87	
	Note: Channel, spiral or coil balance.		
08 01 52 61-0008	EA Removal And Replacement Of Window Balance, Sash Window, Wooden Stops And/or Casing.....	101.25	
	Note: Channel, spiral or coil balance.		
	<i>For Replacing Two Balances In One Window, Deduct</i>		-37.74

#### 08 01 80 Maintenance of Glazing <sup>(08 01)</sup>

##### 08 01 81 Maintenance of Glass Glazing <sup>(08 01 80)</sup>

##### 08 01 81 10 Maintenance of Glass Glazing <sup>(08 01 81)</sup>

08 01 81 10-0001	Glazing Compound Repair <sup>(08 01 81 10)</sup>		
08 01 81 10-0002	LF Removal And Replacement Of Up To 1/2" Wide Damaged, Broken Or Cracked Window Glazing (For Glazing Compound Repair).....	9.71	

## 08 05 Common Work Results for Openings <sup>(08)</sup>

### 08 05 13 Door Options and Modifications <sup>(08 05)</sup>

Note: Excludes removal and reinstallation of door.

08 05 13 00-0001	Door Vision Panels (Pemko LT-S1) <sup>(08 05 13)</sup>		
	Note: Factory primed or powder coated. See CSI section 08 81 00 00-0000 for glazing.		
08 05 13 00-0002	EA For Up To 1 SF, Factory Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	149.84	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	74.92	
08 05 13 00-0003	EA For >1 To 2 SF, Factory Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	189.68	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	94.84	
08 05 13 00-0004	EA For >2 To 4 SF, Factory Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	220.02	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	110.01	
08 05 13 00-0005	EA For >4 To 6 SF, Factory Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	280.72	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	140.36	
08 05 13 00-0006	EA For >6 To 8 SF, Factory Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	364.18	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	182.09	
08 05 13 00-0007	EA For >8 To 10 SF, Factory Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	464.71	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	232.36	
08 05 13 00-0008	EA For >10 SF, Factory Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add .....	493.16	
	<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	246.58	

**08 Openings****08 05 Common Work Results for Openings****08 05 13 Door Options and Modifications**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 05 13 00-0009	EA	For Up To 1 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	272.97	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	68.11	
08 05 13 00-0010	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	322.86	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	86.22	
08 05 13 00-0011	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	364.12	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	100.01	
08 05 13 00-0012	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	432.98	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	127.60	
08 05 13 00-0013	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	522.52	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	165.54	
08 05 13 00-0014	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	627.59	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	211.23	
08 05 13 00-0015	EA	For >10 SF, Site Installed 20 Gauge Galvanized Steel Frame With 3/8" Glazing Pocket For Vision Glass In Door, Add	667.13	
		<i>For 9/16" To 1-1/16" Glazing Pocket, Add</i>	224.16	
<b>08 05 13 00-0016</b>		<b>Door Louvers, Inverted "Y" 50% Free Air (Pemko LV-IY) (08 05 13)</b>		
		Note: Factory primed or powder coated.		
08 05 13 00-0017	EA	For Up To 1 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	142.88	
08 05 13 00-0018	EA	For >1 To 2 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	162.31	
08 05 13 00-0019	EA	For >2 To 4 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	220.60	
08 05 13 00-0020	EA	For >4 To 6 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	411.38	
08 05 13 00-0021	EA	For >6 To 8 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	508.73	
08 05 13 00-0022	EA	For >8 To 10 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	607.65	
08 05 13 00-0023	EA	For >10 To 14 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	792.93	
08 05 13 00-0024	EA	For >14 To 18 SF, Factory Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	933.39	
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	112.01	
08 05 13 00-0025	EA	For Up To 1 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	245.44	
08 05 13 00-0026	EA	For >1 To 2 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	275.13	
08 05 13 00-0027	EA	For >2 To 4 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	343.68	
08 05 13 00-0028	EA	For >4 To 6 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	544.71	
08 05 13 00-0029	EA	For >6 To 8 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	652.32	
08 05 13 00-0030	EA	For >8 To 10 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	761.50	
08 05 13 00-0031	EA	For >10 To 14 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	957.03	
08 05 13 00-0032	EA	For >14 To 18 SF, Site Installed 20 Gauge Galvanized Inverted "Y" Blades, 18 Gauge Galvanized Frame Louver In Door, Add	1,104.33	
		<i>For 18 Gauge Louver And 18 Gauge Frame, Add</i>	112.01	
<b>08 05 13 00-0033</b>		<b>Fire Rated Fusible Link Louvers (Pemko LV-FL) (08 05 13)</b>		
		Note: Factory primed or powder coated.		
08 05 13 00-0034	EA	For Up To 1 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add	289.34	
08 05 13 00-0035	EA	For >1 To 2 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add	331.09	
08 05 13 00-0036	EA	For >2 To 4 SF, Factory Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add	388.90	
08 05 13 00-0037	EA	For Up To 1 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add	412.42	
08 05 13 00-0038	EA	For >1 To 2 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add	467.84	
08 05 13 00-0039	EA	For >2 To 4 SF, Site Installed 16 Gauge Galvanized Adjustable "Z" Blades, 18 Gauge Galvanized Frame Fire Rated Fusible Link Louver In Door, Add	536.60	
<b>08 05 13 00-0040</b>		<b>Door Hardware Preparation (08 05 13)</b>		
08 05 13 00-0041	EA	Factory Prepare Wood Door (Rated Or Non-Rated) For Mortise Lockset Hardware	102.51	
08 05 13 00-0042	EA	Prepare Existing Wood Door (Rated) For Mortise Lockset Hardware	252.85	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0043	EA	Prepare Existing Wood Door (Non-Rated) For Mortise Lockset Hardware	116.18	
08 05 13 00-0044	EA	Prepare Existing Wood Door (Rated) For Cylindrical Lockset Hardware	205.03	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0045	EA	Prepare Existing Wood Door (Non-Rated) For Cylindrical Lockset Hardware	34.17	
08 05 13 00-0046	EA	Prepare Existing Wood Door (Rated) For Concealed Vertical Rod	375.91	
		Note: Requires door to be taken off site for UL certification.		
08 05 13 00-0047	EA	Prepare Existing Wood Door (Non-Rated) For Concealed Vertical Rod	239.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 05 13 00-0048	EA		Prepare Existing Wood Door (Rated) For Electric Hardware ..... Note: Requires door to be taken off site for UL certification.	252.85	
08 05 13 00-0049	EA		Prepare Existing Door (Non-Rated) For Electric Hardware .....	116.18	
<b>08 05 13 00-0050 Door Modifications (08 05 13)</b>					
08 05 13 00-0051	EA		Factory Installed Sound Proofing (STC 28) In Metal Door.....	123.92	
08 05 13 00-0052	SF		For 16 Gauge Steel Metal Plate Bolted On Door..... Note: Includes mounting hardware.	27.82	
08 05 13 00-0053	EA		Trim Bottom Of Existing Steel Door For Installation Of Carpet Or Tile .....	123.08	
08 05 13 00-0054	EA		Trim Bottom Of Existing Wood Door For Installation Of Carpet Or Tile .....	61.85	
08 05 13 00-0055	EA		Modify Metal Door Frame For Door Swing ..... Note: Includes removal of door; install blank hinge plates, new continuous hinge, blank strike plate, new strike plate and reinstallation of door.	1,493.65	
08 05 13 00-0056	EA		Removal And Reinstallation Of Door .....	116.24	
08 05 13 00-0057	EA		Removal And Reinstallation Of Metal Door Frame.....	227.92	
08 05 13 00-0058	EA		Removal And Reinstallation Of Wood Door Frame.....	137.44	
08 05 13 00-0059	EA		Factory Trim Wood Door Edge For Custom Width .....	89.34	

**08 10 Doors and Frames (08)**

**08 11 Metal Doors and Frames (08 10)**

**08 11 73 Sliding Metal Fire Doors (08 11)**

**08 11 73 00-0001 Motor Operated Fire Door With Fusible Link (08 11 73)**

Note: 3 hour rating. Excludes electrical hook-up of motor.

08 11 73 00-0002	EA		3' x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	6,637.45	916.73
08 11 73 00-0003	EA		3' 8" x 6' 8" Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating.....	6,938.58	916.73
08 11 73 00-0004	EA		4' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	7,430.84	916.73
08 11 73 00-0005	EA		5' x 8' Sliding Metal Fire Door, Motor Operated Door With 3 Hour Rating .....	7,978.93	916.73

**08 12 Metal Frames (08 10)**

Note: Includes perimeter caulk, sealant (as required), anchors and silencers.

**08 12 13 Hollow Metal Frames (08 12)**

**08 12 13 13 Standard Hollow Metal Frames (08 12 13)**

Note: Shop prime coat. See CSI section 04 05 16 26-0017 for grouting frames.

**08 12 13 13-0001 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)**

Note: For non-rated or fire rated frame assemblies

**08 12 13 13-0002 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0001)**

08 12 13 13-0003	EA		2' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	625.58	102.56
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	63.07	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	50.45	
			<i>For Baked Enamel Finish, Add</i>	156.90	
			<i>For 18 Gauge Frame, Deduct</i>	-42.05	
			<i>For 14 Gauge Frame, Add</i>	105.11	
			<i>For 12 Gauge Frame, Add</i>	159.77	
08 12 13 13-0004	EA		2'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	726.18	112.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	75.08	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	60.06	
			<i>For Baked Enamel Finish, Add</i>	184.01	
			<i>For 18 Gauge Frame, Deduct</i>	-50.05	
			<i>For 14 Gauge Frame, Add</i>	125.14	
			<i>For 12 Gauge Frame, Add</i>	190.21	
08 12 13 13-0005	EA		2'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	747.87	119.66
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	76.28	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	61.03	
			<i>For Baked Enamel Finish, Add</i>	188.46	
			<i>For 18 Gauge Frame, Deduct</i>	-50.86	
			<i>For 14 Gauge Frame, Add</i>	127.14	
			<i>For 12 Gauge Frame, Add</i>	193.25	
08 12 13 13-0006	EA		2'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	768.38	129.92
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	76.28	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	61.03	
			<i>For Baked Enamel Finish, Add</i>	191.54	
			<i>For 18 Gauge Frame, Deduct</i>	-50.86	
			<i>For 14 Gauge Frame, Add</i>	127.14	
			<i>For 12 Gauge Frame, Add</i>	193.25	

## 08 Openings

## 08 10 Doors and Frames

## 08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0007	EA	2'-10" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	783.23	133.33
		For Auxiliary Frame Reinforcement For Hinges, Add	77.48	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	61.99	
		For Baked Enamel Finish, Add	194.97	
		For 18 Gauge Frame, Deduct	-51.66	
		For 14 Gauge Frame, Add	129.14	
		For 12 Gauge Frame, Add	196.29	
		For Type 304 Stainless Steel Frame, Add	943.14	
		For Type 316 Stainless Steel Frame, Add	1,098.11	
08 12 13 13-0008	EA	3' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	798.08	136.75
		For Auxiliary Frame Reinforcement For Hinges, Add	78.69	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	62.95	
		For Baked Enamel Finish, Add	198.40	
		For 18 Gauge Frame, Deduct	-52.46	
		For 14 Gauge Frame, Add	131.14	
		For 12 Gauge Frame, Add	199.34	
08 12 13 13-0009	EA	3'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	847.78	143.59
		For Auxiliary Frame Reinforcement For Hinges, Add	84.09	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	67.27	
		For Baked Enamel Finish, Add	211.26	
		For 18 Gauge Frame, Deduct	-56.06	
		For 14 Gauge Frame, Add	140.15	
		For 12 Gauge Frame, Add	213.03	
08 12 13 13-0010	EA	3'-6" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	861.45	150.43
		For Auxiliary Frame Reinforcement For Hinges, Add	84.09	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	67.27	
		For Baked Enamel Finish, Add	213.31	
		For 18 Gauge Frame, Deduct	-56.06	
		For 14 Gauge Frame, Add	140.15	
		For 12 Gauge Frame, Add	213.03	
08 12 13 13-0011	EA	4' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	895.15	157.27
		For Auxiliary Frame Reinforcement For Hinges, Add	87.09	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	69.68	
		For Baked Enamel Finish, Add	221.37	
		For 18 Gauge Frame, Deduct	-58.06	
		For 14 Gauge Frame, Add	145.16	
		For 12 Gauge Frame, Add	220.64	
08 12 13 13-0012	EA	5' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	928.85	164.10
		For Auxiliary Frame Reinforcement For Hinges, Add	90.10	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	72.08	
		For Baked Enamel Finish, Add	229.43	
		For 18 Gauge Frame, Deduct	-60.07	
		For 14 Gauge Frame, Add	150.16	
		For 12 Gauge Frame, Add	228.25	
08 12 13 13-0013	EA	5'-4" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	942.52	170.94
		For Auxiliary Frame Reinforcement For Hinges, Add	90.10	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	72.08	
		For Baked Enamel Finish, Add	231.48	
		For 18 Gauge Frame, Deduct	-60.07	
		For 14 Gauge Frame, Add	150.16	
		For 12 Gauge Frame, Add	228.25	
08 12 13 13-0014	EA	5'-8" x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	959.37	174.36
		For Auxiliary Frame Reinforcement For Hinges, Add	91.60	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	73.28	
		For Baked Enamel Finish, Add	235.50	
		For 18 Gauge Frame, Deduct	-61.07	
		For 14 Gauge Frame, Add	152.67	
		For 12 Gauge Frame, Add	232.05	
		For Type 304 Stainless Steel Frame, Add	1,116.62	
		For Type 316 Stainless Steel Frame, Add	1,299.82	
08 12 13 13-0015	EA	6' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	976.22	177.78
		For Auxiliary Frame Reinforcement For Hinges, Add	93.10	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	74.48	
		For Baked Enamel Finish, Add	239.53	
		For 18 Gauge Frame, Deduct	-62.07	
		For 14 Gauge Frame, Add	155.17	
		For 12 Gauge Frame, Add	235.85	
08 12 13 13-0016	EA	7' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,023.10	181.20
		For Auxiliary Frame Reinforcement For Hinges, Add	99.11	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	79.29	
		For Baked Enamel Finish, Add	252.57	
		For 18 Gauge Frame, Deduct	-66.07	
		For 14 Gauge Frame, Add	165.18	
		For 12 Gauge Frame, Add	251.07	
08 12 13 13-0017	EA	8' x 6'-8" Through 7'-2" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,069.98	184.62
		For Auxiliary Frame Reinforcement For Hinges, Add	105.11	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	84.09	
		For Baked Enamel Finish, Add	265.61	
		For 18 Gauge Frame, Deduct	-70.08	
		For 14 Gauge Frame, Add	175.19	
		For 12 Gauge Frame, Add	266.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 12 13 13-0018 >7'-2" Through 9'-0" High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames** (08 12 13 13-0001)

08 12 13 13-0019	EA		2' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	672.30	102.56
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.08	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	56.06	
			<i>For Baked Enamel Finish, Add</i>	170.92	
			<i>For 18 Gauge Frame, Deduct</i>	-46.72	
			<i>For 14 Gauge Frame, Add</i>	116.79	
			<i>For 12 Gauge Frame, Add</i>	177.52	
08 12 13 13-0020	EA		2'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	781.80	112.82
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	83.42	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	66.74	
			<i>For Baked Enamel Finish, Add</i>	200.69	
			<i>For 18 Gauge Frame, Deduct</i>	-55.62	
			<i>For 14 Gauge Frame, Add</i>	139.04	
			<i>For 12 Gauge Frame, Add</i>	211.34	
08 12 13 13-0021	EA		2'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	804.37	119.66
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.76	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	67.81	
			<i>For Baked Enamel Finish, Add</i>	205.41	
			<i>For 18 Gauge Frame, Deduct</i>	-56.51	
			<i>For 14 Gauge Frame, Add</i>	141.26	
			<i>For 12 Gauge Frame, Add</i>	214.72	
08 12 13 13-0022	EA		2'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	824.88	129.92
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.76	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	67.81	
			<i>For Baked Enamel Finish, Add</i>	208.49	
			<i>For 18 Gauge Frame, Deduct</i>	-56.51	
			<i>For 14 Gauge Frame, Add</i>	141.26	
			<i>For 12 Gauge Frame, Add</i>	214.72	
08 12 13 13-0023	EA		2'-10" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	840.62	133.33
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	86.09	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	68.87	
			<i>For Baked Enamel Finish, Add</i>	212.19	
			<i>For 18 Gauge Frame, Deduct</i>	-57.40	
			<i>For 14 Gauge Frame, Add</i>	143.49	
			<i>For 12 Gauge Frame, Add</i>	218.10	
			<i>For Type 304 Stainless Steel Frame, Add</i>	1,046.44	
			<i>For Type 316 Stainless Steel Frame, Add</i>	1,218.63	
08 12 13 13-0024	EA		3' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	856.36	136.75
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	87.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	69.94	
			<i>For Baked Enamel Finish, Add</i>	215.88	
			<i>For 18 Gauge Frame, Deduct</i>	-58.29	
			<i>For 14 Gauge Frame, Add</i>	145.71	
			<i>For 12 Gauge Frame, Add</i>	221.48	
08 12 13 13-0025	EA		3'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	910.07	143.59
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	93.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	74.75	
			<i>For Baked Enamel Finish, Add</i>	229.94	
			<i>For 18 Gauge Frame, Deduct</i>	-62.29	
			<i>For 14 Gauge Frame, Add</i>	155.72	
			<i>For 12 Gauge Frame, Add</i>	236.70	
08 12 13 13-0026	EA		3'-6" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	923.74	150.43
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	93.43	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	74.75	
			<i>For Baked Enamel Finish, Add</i>	231.99	
			<i>For 18 Gauge Frame, Deduct</i>	-62.29	
			<i>For 14 Gauge Frame, Add</i>	155.72	
			<i>For 12 Gauge Frame, Add</i>	236.70	
08 12 13 13-0027	EA		4' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	959.66	157.27
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	96.77	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	77.42	
			<i>For Baked Enamel Finish, Add</i>	240.72	
			<i>For 18 Gauge Frame, Deduct</i>	-64.51	
			<i>For 14 Gauge Frame, Add</i>	161.29	
			<i>For 12 Gauge Frame, Add</i>	245.15	
08 12 13 13-0028	EA		5' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	995.59	164.10
			<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	100.11	
			<i>For Welded Frames, Add</i>	245.10	
			<i>For Galvanized Frames, Add</i>	80.09	
			<i>For Baked Enamel Finish, Add</i>	249.45	
			<i>For 18 Gauge Frame, Deduct</i>	-66.74	
			<i>For 14 Gauge Frame, Add</i>	166.85	
			<i>For 12 Gauge Frame, Add</i>	253.61	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0029	EA	5'-4" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,009.26	170.94
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	100.11	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	80.09	
		<i>For Baked Enamel Finish, Add</i>	251.50	
		<i>For 18 Gauge Frame, Deduct</i>	-66.74	
		<i>For 14 Gauge Frame, Add</i>	166.85	
		<i>For 12 Gauge Frame, Add</i>	253.61	
08 12 13 13-0030	EA	5'-8" x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,027.22	174.36
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	101.78	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	81.42	
		<i>For Baked Enamel Finish, Add</i>	255.86	
		<i>For 18 Gauge Frame, Deduct</i>	-67.85	
		<i>For 14 Gauge Frame, Add</i>	169.63	
		<i>For 12 Gauge Frame, Add</i>	257.83	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,238.75	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,442.31	
08 12 13 13-0031	EA	6' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,045.18	177.78
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	103.44	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	82.76	
		<i>For Baked Enamel Finish, Add</i>	260.22	
		<i>For 18 Gauge Frame, Deduct</i>	-68.96	
		<i>For 14 Gauge Frame, Add</i>	172.41	
		<i>For 12 Gauge Frame, Add</i>	262.06	
08 12 13 13-0032	EA	7' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,096.51	181.20
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	110.12	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	88.09	
		<i>For Baked Enamel Finish, Add</i>	274.59	
		<i>For 18 Gauge Frame, Deduct</i>	-73.41	
		<i>For 14 Gauge Frame, Add</i>	183.53	
		<i>For 12 Gauge Frame, Add</i>	278.97	
08 12 13 13-0033	EA	8' x >7'-2" Through 9' High, 4-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,147.84	184.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	116.79	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	93.43	
		<i>For Baked Enamel Finish, Add</i>	288.97	
		<i>For 18 Gauge Frame, Deduct</i>	-77.86	
		<i>For 14 Gauge Frame, Add</i>	194.66	
		<i>For 12 Gauge Frame, Add</i>	295.88	
08 12 13 13-0034		<b>5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13)</small>		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0035		<b>6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0034)</small>		
08 12 13 13-0036	EA	2' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	672.30	102.56
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	70.08	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	56.06	
		<i>For Baked Enamel Finish, Add</i>	170.92	
		<i>For 18 Gauge Frame, Deduct</i>	-46.72	
		<i>For 14 Gauge Frame, Add</i>	116.79	
		<i>For 12 Gauge Frame, Add</i>	177.52	
08 12 13 13-0037	EA	2'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	781.79	112.82
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	83.42	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	66.74	
		<i>For Baked Enamel Finish, Add</i>	200.69	
		<i>For 18 Gauge Frame, Deduct</i>	-55.62	
		<i>For 14 Gauge Frame, Add</i>	139.04	
		<i>For 12 Gauge Frame, Add</i>	211.34	
08 12 13 13-0038	EA	2'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	804.37	119.66
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.76	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	67.81	
		<i>For Baked Enamel Finish, Add</i>	205.41	
		<i>For 18 Gauge Frame, Deduct</i>	-56.51	
		<i>For 14 Gauge Frame, Add</i>	141.26	
		<i>For 12 Gauge Frame, Add</i>	214.72	
08 12 13 13-0039	EA	2'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	824.88	129.92
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	84.76	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	67.81	
		<i>For Baked Enamel Finish, Add</i>	208.49	
		<i>For 18 Gauge Frame, Deduct</i>	-56.51	
		<i>For 14 Gauge Frame, Add</i>	141.26	
		<i>For 12 Gauge Frame, Add</i>	214.72	
08 12 13 13-0040	EA	2'-10" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	840.62	133.33
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	86.09	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	68.87	
		<i>For Baked Enamel Finish, Add</i>	212.19	
		<i>For 18 Gauge Frame, Deduct</i>	-57.40	
		<i>For 14 Gauge Frame, Add</i>	143.49	
		<i>For 12 Gauge Frame, Add</i>	218.10	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,046.44	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,218.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0041	EA		3' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	856.36 87.43 245.10 69.94 215.88 -58.29 145.71 221.48	136.75
08 12 13 13-0042	EA		3'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	910.07 93.43 245.10 74.75 229.94 -62.29 155.72 236.70	143.59
08 12 13 13-0043	EA		3'-6" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	923.74 93.43 245.10 74.75 231.99 -62.29 155.72 236.70	150.43
08 12 13 13-0044	EA		4' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	959.66 96.77 245.10 77.42 240.72 -64.51 161.29 245.15	157.27
08 12 13 13-0045	EA		5' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	995.59 100.11 245.10 80.09 249.45 -66.74 166.85 253.61	164.10
08 12 13 13-0046	EA		5'-4" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,009.26 100.11 245.10 80.09 251.50 -66.74 166.85 253.61	170.94
08 12 13 13-0047	EA		5'-8" x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,027.22 101.78 245.10 81.42 255.86 -67.85 169.63 257.83 1,238.75 1,442.31	174.36
08 12 13 13-0048	EA		6' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,045.18 103.44 245.10 82.76 260.22 -68.96 172.41 262.06	177.78
08 12 13 13-0049	EA		7' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,096.51 110.12 245.10 88.09 274.59 -73.41 183.53 278.97	181.20
08 12 13 13-0050	EA		8' x 6'-8" Through 7'-2" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i>	1,147.84 116.79 245.10 93.43 288.97 -77.86 194.66 295.88	184.62

08 12 13 13-0051 >7'-2" Through 9'-0" High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0034)

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0052	EA	2' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	724.21	102.56
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	77.86	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	62.29	
		<i>For Baked Enamel Finish, Add</i>	186.49	
		<i>For 18 Gauge Frame, Deduct</i>	-51.91	
		<i>For 14 Gauge Frame, Add</i>	129.77	
		<i>For 12 Gauge Frame, Add</i>	197.25	
08 12 13 13-0053	EA	2'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	843.59	112.82
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	92.69	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	74.15	
		<i>For Baked Enamel Finish, Add</i>	219.23	
		<i>For 18 Gauge Frame, Deduct</i>	-61.80	
		<i>For 14 Gauge Frame, Add</i>	154.49	
		<i>For 12 Gauge Frame, Add</i>	234.82	
08 12 13 13-0054	EA	2'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	867.16	119.66
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	94.18	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	75.34	
		<i>For Baked Enamel Finish, Add</i>	224.25	
		<i>For 18 Gauge Frame, Deduct</i>	-62.78	
		<i>For 14 Gauge Frame, Add</i>	156.96	
		<i>For 12 Gauge Frame, Add</i>	238.58	
08 12 13 13-0055	EA	2'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	887.67	129.92
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	94.18	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	75.34	
		<i>For Baked Enamel Finish, Add</i>	227.33	
		<i>For 18 Gauge Frame, Deduct</i>	-62.78	
		<i>For 14 Gauge Frame, Add</i>	156.96	
		<i>For 12 Gauge Frame, Add</i>	238.58	
08 12 13 13-0056	EA	2'-10" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	904.39	133.33
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	95.66	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	76.53	
		<i>For Baked Enamel Finish, Add</i>	231.32	
		<i>For 18 Gauge Frame, Deduct</i>	-63.77	
		<i>For 14 Gauge Frame, Add</i>	159.43	
		<i>For 12 Gauge Frame, Add</i>	242.33	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,161.23	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,352.55	
08 12 13 13-0057	EA	3' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	921.12	136.75
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	97.14	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	77.71	
		<i>For Baked Enamel Finish, Add</i>	235.31	
		<i>For 18 Gauge Frame, Deduct</i>	-64.76	
		<i>For 14 Gauge Frame, Add</i>	161.90	
		<i>For 12 Gauge Frame, Add</i>	246.09	
08 12 13 13-0058	EA	3'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	979.28	143.59
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	103.82	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	83.05	
		<i>For Baked Enamel Finish, Add</i>	250.71	
		<i>For 18 Gauge Frame, Deduct</i>	-69.21	
		<i>For 14 Gauge Frame, Add</i>	173.03	
		<i>For 12 Gauge Frame, Add</i>	263.00	
08 12 13 13-0059	EA	3'-6" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	992.95	150.43
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	103.82	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	83.05	
		<i>For Baked Enamel Finish, Add</i>	252.76	
		<i>For 18 Gauge Frame, Deduct</i>	-69.21	
		<i>For 14 Gauge Frame, Add</i>	173.03	
		<i>For 12 Gauge Frame, Add</i>	263.00	
08 12 13 13-0060	EA	4' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,031.34	157.27
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	107.52	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	86.02	
		<i>For Baked Enamel Finish, Add</i>	262.22	
		<i>For 18 Gauge Frame, Deduct</i>	-71.68	
		<i>For 14 Gauge Frame, Add</i>	179.21	
		<i>For 12 Gauge Frame, Add</i>	272.39	
08 12 13 13-0061	EA	5' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,069.74	164.10
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	111.23	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	88.98	
		<i>For Baked Enamel Finish, Add</i>	271.69	
		<i>For 18 Gauge Frame, Deduct</i>	-74.15	
		<i>For 14 Gauge Frame, Add</i>	185.39	
		<i>For 12 Gauge Frame, Add</i>	281.79	
08 12 13 13-0062	EA	5'-4" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,083.41	170.94
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	111.23	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	88.98	
		<i>For Baked Enamel Finish, Add</i>	273.74	
		<i>For 18 Gauge Frame, Deduct</i>	-74.15	
		<i>For 14 Gauge Frame, Add</i>	185.39	
		<i>For 12 Gauge Frame, Add</i>	281.79	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0063 EA 5'-8" x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,102.61	174.36
For Auxiliary Frame Reinforcement For Hinges, Add	113.09	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	90.47	
For Baked Enamel Finish, Add	278.48	
For 18 Gauge Frame, Deduct	-75.39	
For 14 Gauge Frame, Add	188.48	
For 12 Gauge Frame, Add	286.48	
For Type 304 Stainless Steel Frame, Add	1,374.46	
For Type 316 Stainless Steel Frame, Add	1,600.63	
08 12 13 13-0064 EA 6' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,121.81	177.78
For Auxiliary Frame Reinforcement For Hinges, Add	114.94	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	91.95	
For Baked Enamel Finish, Add	283.21	
For 18 Gauge Frame, Deduct	-76.63	
For 14 Gauge Frame, Add	191.57	
For 12 Gauge Frame, Add	291.18	
08 12 13 13-0065 EA 7' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,178.08	181.20
For Auxiliary Frame Reinforcement For Hinges, Add	122.35	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	97.88	
For Baked Enamel Finish, Add	299.07	
For 18 Gauge Frame, Deduct	-81.57	
For 14 Gauge Frame, Add	203.92	
For 12 Gauge Frame, Add	309.96	
08 12 13 13-0066 EA 8' x >7'-2" Through 9' High, 5-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,234.35	184.62
For Auxiliary Frame Reinforcement For Hinges, Add	129.77	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	103.82	
For Baked Enamel Finish, Add	314.92	
For 18 Gauge Frame, Deduct	-86.51	
For 14 Gauge Frame, Add	216.28	
For 12 Gauge Frame, Add	328.75	
<b>08 12 13 13-0067 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)</b>		
Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0068 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0067)</b>		
08 12 13 13-0069 EA 2' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	944.71	102.56
For Auxiliary Frame Reinforcement For Hinges, Add	110.94	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	88.75	
For Baked Enamel Finish, Add	252.64	
For 18 Gauge Frame, Deduct	-73.96	
For 14 Gauge Frame, Add	184.90	
For 12 Gauge Frame, Add	281.04	
08 12 13 13-0070 EA 2'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,106.09	112.82
For Auxiliary Frame Reinforcement For Hinges, Add	132.07	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	105.65	
For Baked Enamel Finish, Add	297.98	
For 18 Gauge Frame, Deduct	-88.05	
For 14 Gauge Frame, Add	220.11	
For 12 Gauge Frame, Add	334.57	
08 12 13 13-0071 EA 2'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,133.86	119.66
For Auxiliary Frame Reinforcement For Hinges, Add	134.18	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	107.34	
For Baked Enamel Finish, Add	304.26	
For 18 Gauge Frame, Deduct	-89.45	
For 14 Gauge Frame, Add	223.64	
For 12 Gauge Frame, Add	339.93	
08 12 13 13-0072 EA 2'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,154.37	129.92
For Auxiliary Frame Reinforcement For Hinges, Add	134.18	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	107.34	
For Baked Enamel Finish, Add	307.34	
For 18 Gauge Frame, Deduct	-89.45	
For 14 Gauge Frame, Add	223.64	
For 12 Gauge Frame, Add	339.93	
08 12 13 13-0073 EA 2'-10" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,175.30	133.33
For Auxiliary Frame Reinforcement For Hinges, Add	136.29	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	109.04	
For Baked Enamel Finish, Add	312.59	
For 18 Gauge Frame, Deduct	-90.86	
For 14 Gauge Frame, Add	227.16	
For 12 Gauge Frame, Add	345.28	
For Type 304 Stainless Steel Frame, Add	1,648.87	
For Type 316 Stainless Steel Frame, Add	1,921.46	
08 12 13 13-0074 EA 3' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,196.23	136.75
For Auxiliary Frame Reinforcement For Hinges, Add	138.41	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	110.73	
For Baked Enamel Finish, Add	317.84	
For 18 Gauge Frame, Deduct	-92.27	
For 14 Gauge Frame, Add	230.68	
For 12 Gauge Frame, Add	350.63	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0075	EA	3'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,273.29	143.59
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	147.92	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	118.33	
		<i>For Baked Enamel Finish, Add</i>	338.91	
		<i>For 18 Gauge Frame, Deduct</i>	-98.61	
		<i>For 14 Gauge Frame, Add</i>	246.53	
		<i>For 12 Gauge Frame, Add</i>	374.72	
08 12 13 13-0076	EA	3'-6" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,286.96	150.43
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	147.92	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	118.33	
		<i>For Baked Enamel Finish, Add</i>	340.96	
		<i>For 18 Gauge Frame, Deduct</i>	-98.61	
		<i>For 14 Gauge Frame, Add</i>	246.53	
		<i>For 12 Gauge Frame, Add</i>	374.72	
08 12 13 13-0077	EA	4' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,335.85	157.27
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	153.20	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	122.56	
		<i>For Baked Enamel Finish, Add</i>	353.58	
		<i>For 18 Gauge Frame, Deduct</i>	-102.13	
		<i>For 14 Gauge Frame, Add</i>	255.33	
		<i>For 12 Gauge Frame, Add</i>	388.11	
08 12 13 13-0078	EA	5' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,384.74	164.10
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	158.48	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	126.78	
		<i>For Baked Enamel Finish, Add</i>	366.19	
		<i>For 18 Gauge Frame, Deduct</i>	-105.65	
		<i>For 14 Gauge Frame, Add</i>	264.14	
		<i>For 12 Gauge Frame, Add</i>	401.49	
08 12 13 13-0079	EA	5'-4" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,398.41	170.94
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	158.48	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	126.78	
		<i>For Baked Enamel Finish, Add</i>	368.24	
		<i>For 18 Gauge Frame, Deduct</i>	-105.65	
		<i>For 14 Gauge Frame, Add</i>	264.14	
		<i>For 12 Gauge Frame, Add</i>	401.49	
08 12 13 13-0080	EA	5'-8" x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,422.86	174.36
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	161.12	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	128.90	
		<i>For Baked Enamel Finish, Add</i>	374.55	
		<i>For 18 Gauge Frame, Deduct</i>	-107.42	
		<i>For 14 Gauge Frame, Add</i>	268.54	
		<i>For 12 Gauge Frame, Add</i>	408.18	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,950.91	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,273.15	
08 12 13 13-0081	EA	6' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,447.31	177.78
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	163.76	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	131.01	
		<i>For Baked Enamel Finish, Add</i>	380.86	
		<i>For 18 Gauge Frame, Deduct</i>	-109.18	
		<i>For 14 Gauge Frame, Add</i>	272.94	
		<i>For 12 Gauge Frame, Add</i>	414.87	
08 12 13 13-0082	EA	7' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,524.58	181.20
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	174.33	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	139.46	
		<i>For Baked Enamel Finish, Add</i>	403.02	
		<i>For 18 Gauge Frame, Deduct</i>	-116.22	
		<i>For 14 Gauge Frame, Add</i>	290.55	
		<i>For 12 Gauge Frame, Add</i>	441.63	
08 12 13 13-0083	EA	8' x 6'-8" Through 7'-2" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,601.86	184.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	184.90	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	147.92	
		<i>For Baked Enamel Finish, Add</i>	425.18	
		<i>For 18 Gauge Frame, Deduct</i>	-123.26	
		<i>For 14 Gauge Frame, Add</i>	308.16	
		<i>For 12 Gauge Frame, Add</i>	468.40	

**08 12 13 13-0084 >7'-2" Through 9'-0" High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames** (08 12 13 13-0067)

08 12 13 13-0085	EA	2' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame	1,026.89	102.56
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	123.26	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	98.61	
		<i>For Baked Enamel Finish, Add</i>	277.30	
		<i>For 18 Gauge Frame, Deduct</i>	-82.18	
		<i>For 14 Gauge Frame, Add</i>	205.44	
		<i>For 12 Gauge Frame, Add</i>	312.27	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0086	EA		2'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,203.92	112.82
			For Auxiliary Frame Reinforcement For Hinges, Add	146.74	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	117.39	
			For Baked Enamel Finish, Add	327.33	
			For 18 Gauge Frame, Deduct	-97.83	
			For 14 Gauge Frame, Add	244.57	
			For 12 Gauge Frame, Add	371.75	
08 12 13 13-0087	EA		2'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,233.25	119.66
			For Auxiliary Frame Reinforcement For Hinges, Add	149.09	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	119.27	
			For Baked Enamel Finish, Add	334.08	
			For 18 Gauge Frame, Deduct	-99.39	
			For 14 Gauge Frame, Add	248.48	
			For 12 Gauge Frame, Add	377.69	
08 12 13 13-0088	EA		2'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,253.76	129.92
			For Auxiliary Frame Reinforcement For Hinges, Add	149.09	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	119.27	
			For Baked Enamel Finish, Add	337.15	
			For 18 Gauge Frame, Deduct	-99.39	
			For 14 Gauge Frame, Add	248.48	
			For 12 Gauge Frame, Add	377.69	
08 12 13 13-0089	EA		2'-10" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,276.26	133.33
			For Auxiliary Frame Reinforcement For Hinges, Add	151.44	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	121.15	
			For Baked Enamel Finish, Add	342.88	
			For 18 Gauge Frame, Deduct	-100.96	
			For 14 Gauge Frame, Add	252.40	
			For 12 Gauge Frame, Add	383.64	
			For Type 304 Stainless Steel Frame, Add	1,830.60	
			For Type 316 Stainless Steel Frame, Add	2,133.47	
08 12 13 13-0090	EA		3' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,298.75	136.75
			For Auxiliary Frame Reinforcement For Hinges, Add	153.79	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	123.03	
			For Baked Enamel Finish, Add	348.60	
			For 18 Gauge Frame, Deduct	-102.52	
			For 14 Gauge Frame, Add	256.31	
			For 12 Gauge Frame, Add	389.59	
08 12 13 13-0091	EA		3'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,382.86	143.59
			For Auxiliary Frame Reinforcement For Hinges, Add	164.35	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	131.48	
			For Baked Enamel Finish, Add	371.78	
			For 18 Gauge Frame, Deduct	-109.57	
			For 14 Gauge Frame, Add	273.92	
			For 12 Gauge Frame, Add	416.36	
08 12 13 13-0092	EA		3'-6" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,396.53	150.43
			For Auxiliary Frame Reinforcement For Hinges, Add	164.35	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	131.48	
			For Baked Enamel Finish, Add	373.83	
			For 18 Gauge Frame, Deduct	-109.57	
			For 14 Gauge Frame, Add	273.92	
			For 12 Gauge Frame, Add	416.36	
08 12 13 13-0093	EA		4' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,449.33	157.27
			For Auxiliary Frame Reinforcement For Hinges, Add	170.22	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	136.18	
			For Baked Enamel Finish, Add	387.62	
			For 18 Gauge Frame, Deduct	-113.48	
			For 14 Gauge Frame, Add	283.70	
			For 12 Gauge Frame, Add	431.23	
08 12 13 13-0094	EA		5' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,502.14	164.10
			For Auxiliary Frame Reinforcement For Hinges, Add	176.09	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	140.87	
			For Baked Enamel Finish, Add	401.41	
			For 18 Gauge Frame, Deduct	-117.39	
			For 14 Gauge Frame, Add	293.49	
			For 12 Gauge Frame, Add	446.10	
08 12 13 13-0095	EA		5'-4" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,515.81	170.94
			For Auxiliary Frame Reinforcement For Hinges, Add	176.09	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	140.87	
			For Baked Enamel Finish, Add	403.46	
			For 18 Gauge Frame, Deduct	-117.39	
			For 14 Gauge Frame, Add	293.49	
			For 12 Gauge Frame, Add	446.10	
08 12 13 13-0096	EA		5'-8" x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,542.21	174.36
			For Auxiliary Frame Reinforcement For Hinges, Add	179.03	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	143.22	
			For Baked Enamel Finish, Add	410.36	
			For 18 Gauge Frame, Deduct	-119.35	
			For 14 Gauge Frame, Add	298.38	
			For 12 Gauge Frame, Add	453.53	
			For Type 304 Stainless Steel Frame, Add	2,165.74	
			For Type 316 Stainless Steel Frame, Add	2,523.79	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 12 13 13-0097	EA	6' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,568.62	177.78
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	181.96	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	145.57	
		<i>For Baked Enamel Finish, Add</i>	417.25	
		<i>For 18 Gauge Frame, Deduct</i>	-121.31	
		<i>For 14 Gauge Frame, Add</i>	303.27	
		<i>For 12 Gauge Frame, Add</i>	460.97	
08 12 13 13-0098	EA	7' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,653.71	181.20
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	193.70	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	154.96	
		<i>For Baked Enamel Finish, Add</i>	441.75	
		<i>For 18 Gauge Frame, Deduct</i>	-129.13	
		<i>For 14 Gauge Frame, Add</i>	322.83	
		<i>For 12 Gauge Frame, Add</i>	490.70	
08 12 13 13-0099	EA	8' x >7'-2" Through 9' High, 6-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,738.81	184.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	205.44	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	164.35	
		<i>For Baked Enamel Finish, Add</i>	466.26	
		<i>For 18 Gauge Frame, Deduct</i>	-136.96	
		<i>For 14 Gauge Frame, Add</i>	342.40	
		<i>For 12 Gauge Frame, Add</i>	520.44	
08 12 13 13-0100		<b>6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door</b>		
		<b>Frames</b> <small>(08 12 13 13)</small>		
		Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0101		<b>6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock</b>		
		<b>Down Hollow Metal Door Frames</b> <small>(08 12 13 13-0100)</small>		
08 12 13 13-0102	EA	2' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,000.18	102.56
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	119.26	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	95.41	
		<i>For Baked Enamel Finish, Add</i>	269.28	
		<i>For 18 Gauge Frame, Deduct</i>	-79.51	
		<i>For 14 Gauge Frame, Add</i>	198.76	
		<i>For 12 Gauge Frame, Add</i>	302.12	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,441.35	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,679.86	
08 12 13 13-0103	EA	2'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,172.13	112.82
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	141.97	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	113.58	
		<i>For Baked Enamel Finish, Add</i>	317.79	
		<i>For 18 Gauge Frame, Deduct</i>	-94.65	
		<i>For 14 Gauge Frame, Add</i>	236.62	
		<i>For 12 Gauge Frame, Add</i>	359.67	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,714.96	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,998.91	
08 12 13 13-0104	EA	2'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,200.95	119.66
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	144.24	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	115.40	
		<i>For Baked Enamel Finish, Add</i>	324.39	
		<i>For 18 Gauge Frame, Deduct</i>	-96.16	
		<i>For 14 Gauge Frame, Add</i>	240.41	
		<i>For 12 Gauge Frame, Add</i>	365.42	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,742.90	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,031.39	
08 12 13 13-0105	EA	2'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,221.46	129.92
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	144.24	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	115.40	
		<i>For Baked Enamel Finish, Add</i>	327.46	
		<i>For 18 Gauge Frame, Deduct</i>	-96.16	
		<i>For 14 Gauge Frame, Add</i>	240.41	
		<i>For 12 Gauge Frame, Add</i>	365.42	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,743.93	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,032.41	
08 12 13 13-0106	EA	2'-10" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,243.45	133.33
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	146.52	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	117.21	
		<i>For Baked Enamel Finish, Add</i>	333.03	
		<i>For 18 Gauge Frame, Deduct</i>	-97.68	
		<i>For 14 Gauge Frame, Add</i>	244.20	
		<i>For 12 Gauge Frame, Add</i>	371.18	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,771.54	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,064.57	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0107 EA 3' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,265.43	136.75
For Auxiliary Frame Reinforcement For Hinges, Add	148.79	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	119.03	
For Baked Enamel Finish, Add	338.60	
For 18 Gauge Frame, Deduct	-99.19	
For 14 Gauge Frame, Add	247.98	
For 12 Gauge Frame, Add	376.93	
For Type 304 Stainless Steel Frame, Add	1,799.13	
For Type 316 Stainless Steel Frame, Add	2,096.71	
08 12 13 13-0108 EA 3'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,347.25	143.59
For Auxiliary Frame Reinforcement For Hinges, Add	159.01	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	127.21	
For Baked Enamel Finish, Add	361.10	
For 18 Gauge Frame, Deduct	-106.01	
For 14 Gauge Frame, Add	265.02	
For 12 Gauge Frame, Add	402.83	
For Type 304 Stainless Steel Frame, Add	1,922.49	
For Type 316 Stainless Steel Frame, Add	2,240.51	
08 12 13 13-0109 EA 3'-6" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,360.92	150.43
For Auxiliary Frame Reinforcement For Hinges, Add	159.01	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	127.21	
For Baked Enamel Finish, Add	363.15	
For 18 Gauge Frame, Deduct	-106.01	
For 14 Gauge Frame, Add	265.02	
For 12 Gauge Frame, Add	402.83	
For Type 304 Stainless Steel Frame, Add	1,923.17	
For Type 316 Stainless Steel Frame, Add	2,241.19	
08 12 13 13-0110 EA 4' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,412.45	157.27
For Auxiliary Frame Reinforcement For Hinges, Add	164.69	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	131.75	
For Baked Enamel Finish, Add	376.56	
For 18 Gauge Frame, Deduct	-109.79	
For 14 Gauge Frame, Add	274.48	
For 12 Gauge Frame, Add	417.21	
For Type 304 Stainless Steel Frame, Add	1,992.00	
For Type 316 Stainless Steel Frame, Add	2,321.38	
08 12 13 13-0111 EA 5' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,463.99	164.10
For Auxiliary Frame Reinforcement For Hinges, Add	170.37	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	136.29	
For Baked Enamel Finish, Add	389.97	
For 18 Gauge Frame, Deduct	-113.58	
For 14 Gauge Frame, Add	283.95	
For 12 Gauge Frame, Add	431.60	
For Type 304 Stainless Steel Frame, Add	2,060.83	
For Type 316 Stainless Steel Frame, Add	2,401.57	
08 12 13 13-0112 EA 5'-4" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,477.66	170.94
For Auxiliary Frame Reinforcement For Hinges, Add	170.37	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	136.29	
For Baked Enamel Finish, Add	392.02	
For 18 Gauge Frame, Deduct	-113.58	
For 14 Gauge Frame, Add	283.95	
For 12 Gauge Frame, Add	431.60	
For Type 304 Stainless Steel Frame, Add	2,061.52	
For Type 316 Stainless Steel Frame, Add	2,402.25	
08 12 13 13-0113 EA 5'-8" x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,503.43	174.36
For Auxiliary Frame Reinforcement For Hinges, Add	173.21	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	138.57	
For Baked Enamel Finish, Add	398.72	
For 18 Gauge Frame, Deduct	-115.47	
For 14 Gauge Frame, Add	288.68	
For 12 Gauge Frame, Add	438.79	
For Type 304 Stainless Steel Frame, Add	2,095.93	
For Type 316 Stainless Steel Frame, Add	2,442.35	
08 12 13 13-0114 EA 6' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,529.20	177.78
For Auxiliary Frame Reinforcement For Hinges, Add	176.05	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	140.84	
For Baked Enamel Finish, Add	405.43	
For 18 Gauge Frame, Deduct	-117.37	
For 14 Gauge Frame, Add	293.41	
For 12 Gauge Frame, Add	445.99	
For Type 304 Stainless Steel Frame, Add	2,130.35	
For Type 316 Stainless Steel Frame, Add	2,482.44	
08 12 13 13-0115 EA 7' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,611.75	181.20
For Auxiliary Frame Reinforcement For Hinges, Add	187.40	
For Welded Frames, Add	245.10	
For Galvanized Frames, Add	149.92	
For Baked Enamel Finish, Add	429.17	
For 18 Gauge Frame, Deduct	-124.94	
For 14 Gauge Frame, Add	312.34	
For 12 Gauge Frame, Add	474.76	
For Type 304 Stainless Steel Frame, Add	2,266.97	
For Type 316 Stainless Steel Frame, Add	2,641.78	

## 08 Openings

## 08 10 Doors and Frames

## 08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0116	EA	8' x 6'-8" Through 7'-2" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,694.30	184.62
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	198.76	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	159.01	
		<i>For Baked Enamel Finish, Add</i>	452.91	
		<i>For 18 Gauge Frame, Deduct</i>	-132.51	
		<i>For 14 Gauge Frame, Add</i>	331.27	
		<i>For 12 Gauge Frame, Add</i>	503.53	
		<i>For Type 304 Stainless Steel Frame, Add</i>	2,403.61	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,801.13	

08 12 13 13-0117 >7'-2" Through 9'-0" High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0100)

08 12 13 13-0118	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,088.52	102.56
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	132.51	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	106.01	
		<i>For Baked Enamel Finish, Add</i>	295.79	
		<i>For 18 Gauge Frame, Deduct</i>	-88.34	
		<i>For 14 Gauge Frame, Add</i>	220.85	
		<i>For 12 Gauge Frame, Add</i>	335.69	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,600.36	
		<i>For Type 316 Stainless Steel Frame, Add</i>	1,865.38	
08 12 13 13-0119	EA	2'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,277.29	112.82
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	157.75	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	126.20	
		<i>For Baked Enamel Finish, Add</i>	349.34	
		<i>For 18 Gauge Frame, Deduct</i>	-105.17	
		<i>For 14 Gauge Frame, Add</i>	262.91	
		<i>For 12 Gauge Frame, Add</i>	399.63	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,904.25	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,219.75	
08 12 13 13-0120	EA	2'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,307.80	119.66
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	160.27	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	128.22	
		<i>For Baked Enamel Finish, Add</i>	356.44	
		<i>For 18 Gauge Frame, Deduct</i>	-106.85	
		<i>For 14 Gauge Frame, Add</i>	267.12	
		<i>For 12 Gauge Frame, Add</i>	406.02	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,935.23	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,255.77	
08 12 13 13-0121	EA	2'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,328.31	129.92
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	160.27	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	128.22	
		<i>For Baked Enamel Finish, Add</i>	359.52	
		<i>For 18 Gauge Frame, Deduct</i>	-106.85	
		<i>For 14 Gauge Frame, Add</i>	267.12	
		<i>For 12 Gauge Frame, Add</i>	406.02	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,936.26	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,256.80	
08 12 13 13-0122	EA	2'-10" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,351.98	133.33
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	162.80	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	130.24	
		<i>For Baked Enamel Finish, Add</i>	365.59	
		<i>For 18 Gauge Frame, Deduct</i>	-108.53	
		<i>For 14 Gauge Frame, Add</i>	271.33	
		<i>For 12 Gauge Frame, Add</i>	412.42	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,966.89	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,292.48	
08 12 13 13-0123	EA	3' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,375.64	136.75
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	165.32	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	132.26	
		<i>For Baked Enamel Finish, Add</i>	371.67	
		<i>For 18 Gauge Frame, Deduct</i>	-110.21	
		<i>For 14 Gauge Frame, Add</i>	275.53	
		<i>For 12 Gauge Frame, Add</i>	418.81	
		<i>For Type 304 Stainless Steel Frame, Add</i>	1,997.51	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,328.15	
08 12 13 13-0124	EA	3'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,465.03	143.59
		<i>For Auxiliary Frame Reinforcement For Hinges, Add</i>	176.68	
		<i>For Welded Frames, Add</i>	245.10	
		<i>For Galvanized Frames, Add</i>	141.34	
		<i>For Baked Enamel Finish, Add</i>	396.43	
		<i>For 18 Gauge Frame, Deduct</i>	-117.79	
		<i>For 14 Gauge Frame, Add</i>	294.46	
		<i>For 12 Gauge Frame, Add</i>	447.58	
		<i>For Type 304 Stainless Steel Frame, Add</i>	2,134.49	
		<i>For Type 316 Stainless Steel Frame, Add</i>	2,487.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0125	EA		3'-6" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,478.70 176.68 245.10 141.34 398.48 -117.79 294.46 447.58 2,135.17 2,488.53	150.43
08 12 13 13-0126	EA		4' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,534.44 182.99 245.10 146.39 413.15 -121.99 304.98 463.57 2,211.58 2,577.56	157.27
08 12 13 13-0127	EA		5' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,590.18 189.30 245.10 151.44 427.82 -126.20 315.50 479.55 2,287.97 2,666.57	164.10
08 12 13 13-0128	EA		5'-4" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,603.85 189.30 245.10 151.44 429.87 -126.20 315.50 479.55 2,288.66 2,667.25	170.94
08 12 13 13-0129	EA		5'-8" x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,631.73 192.45 245.10 153.96 437.21 -128.30 320.76 487.55 2,326.87 2,711.78	174.36
08 12 13 13-0130	EA		6' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,659.60 195.61 245.10 156.49 444.55 -130.41 326.01 495.54 2,365.07 2,756.28	177.78
08 12 13 13-0131	EA		7' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,750.56 208.23 245.10 166.58 470.81 -138.82 347.04 527.50 2,516.83 2,933.28	181.20
08 12 13 13-0132	EA		8' x >7'-2" Through 9' High, 6-7/8" Through 8-3/4" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame ..... <i>For Auxiliary Frame Reinforcement For Hinges, Add</i> <i>For Welded Frames, Add</i> <i>For Galvanized Frames, Add</i> <i>For Baked Enamel Finish, Add</i> <i>For 18 Gauge Frame, Deduct</i> <i>For 14 Gauge Frame, Add</i> <i>For 12 Gauge Frame, Add</i> <i>For Type 304 Stainless Steel Frame, Add</i> <i>For Type 316 Stainless Steel Frame, Add</i>	1,841.53 220.85 245.10 176.68 497.08 -147.23 368.08 559.48 2,668.62 3,110.31	184.62

08 12 13 13-0133 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13)

Note: For non-rated or fire rated frame assemblies

08 12 13 13-0134 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0133)

## 08 Openings

## 08 10 Doors and Frames

## 08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0135	EA 2' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,037.16	102.56
	For Auxiliary Frame Reinforcement For Hinges, Add	124.80	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	99.84	
	For Baked Enamel Finish, Add	280.38	
	For 18 Gauge Frame, Deduct	-83.20	
	For 14 Gauge Frame, Add	208.01	
	For 12 Gauge Frame, Add	316.17	
	For Type 304 Stainless Steel Frame, Add	1,507.91	
	For Type 316 Stainless Steel Frame, Add	1,757.52	
08 12 13 13-0136	EA 2'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,216.15	112.82
	For Auxiliary Frame Reinforcement For Hinges, Add	148.58	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	118.86	
	For Baked Enamel Finish, Add	331.00	
	For 18 Gauge Frame, Deduct	-99.05	
	For 14 Gauge Frame, Add	247.63	
	For 12 Gauge Frame, Add	376.39	
	For Type 304 Stainless Steel Frame, Add	1,794.20	
	For Type 316 Stainless Steel Frame, Add	2,091.35	
08 12 13 13-0137	EA 2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,245.68	119.66
	For Auxiliary Frame Reinforcement For Hinges, Add	150.95	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	120.76	
	For Baked Enamel Finish, Add	337.81	
	For 18 Gauge Frame, Deduct	-100.64	
	For 14 Gauge Frame, Add	251.59	
	For 12 Gauge Frame, Add	382.42	
	For Type 304 Stainless Steel Frame, Add	1,823.41	
	For Type 316 Stainless Steel Frame, Add	2,125.32	
08 12 13 13-0138	EA 2'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,266.19	129.92
	For Auxiliary Frame Reinforcement For Hinges, Add	150.95	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	120.76	
	For Baked Enamel Finish, Add	340.88	
	For 18 Gauge Frame, Deduct	-100.64	
	For 14 Gauge Frame, Add	251.59	
	For 12 Gauge Frame, Add	382.42	
	For Type 304 Stainless Steel Frame, Add	1,824.44	
	For Type 316 Stainless Steel Frame, Add	2,126.35	
08 12 13 13-0139	EA 2'-10" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,288.88	133.33
	For Auxiliary Frame Reinforcement For Hinges, Add	153.33	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	122.67	
	For Baked Enamel Finish, Add	346.66	
	For 18 Gauge Frame, Deduct	-102.22	
	For 14 Gauge Frame, Add	255.55	
	For 12 Gauge Frame, Add	388.44	
	For Type 304 Stainless Steel Frame, Add	1,853.31	
	For Type 316 Stainless Steel Frame, Add	2,159.97	
08 12 13 13-0140	EA 3' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,311.57	136.75
	For Auxiliary Frame Reinforcement For Hinges, Add	155.71	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	124.57	
	For Baked Enamel Finish, Add	352.44	
	For 18 Gauge Frame, Deduct	-103.81	
	For 14 Gauge Frame, Add	259.52	
	For 12 Gauge Frame, Add	394.46	
	For Type 304 Stainless Steel Frame, Add	1,882.18	
	For Type 316 Stainless Steel Frame, Add	2,193.60	
08 12 13 13-0141	EA 3'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,396.55	143.59
	For Auxiliary Frame Reinforcement For Hinges, Add	166.41	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	133.12	
	For Baked Enamel Finish, Add	375.89	
	For 18 Gauge Frame, Deduct	-110.94	
	For 14 Gauge Frame, Add	277.34	
	For 12 Gauge Frame, Add	421.56	
	For Type 304 Stainless Steel Frame, Add	2,011.23	
	For Type 316 Stainless Steel Frame, Add	2,344.04	
08 12 13 13-0142	EA 3'-6" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,410.22	150.43
	For Auxiliary Frame Reinforcement For Hinges, Add	166.41	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	133.12	
	For Baked Enamel Finish, Add	377.94	
	For 18 Gauge Frame, Deduct	-110.94	
	For 14 Gauge Frame, Add	277.34	
	For 12 Gauge Frame, Add	421.56	
	For Type 304 Stainless Steel Frame, Add	2,011.91	
	For Type 316 Stainless Steel Frame, Add	2,344.72	
08 12 13 13-0143	EA 4' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,463.51	157.27
	For Auxiliary Frame Reinforcement For Hinges, Add	172.35	
	For Welded Frames, Add	245.10	
	For Galvanized Frames, Add	137.88	
	For Baked Enamel Finish, Add	391.88	
	For 18 Gauge Frame, Deduct	-114.90	
	For 14 Gauge Frame, Add	287.25	
	For 12 Gauge Frame, Add	436.62	
	For Type 304 Stainless Steel Frame, Add	2,083.91	
	For Type 316 Stainless Steel Frame, Add	2,428.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0144	EA		5' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,516.81	164.10
			For Auxiliary Frame Reinforcement For Hinges, Add	178.29	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	142.63	
			For Baked Enamel Finish, Add	405.81	
			For 18 Gauge Frame, Deduct	-118.86	
			For 14 Gauge Frame, Add	297.15	
			For 12 Gauge Frame, Add	451.67	
			For Type 304 Stainless Steel Frame, Add	2,155.91	
			For Type 316 Stainless Steel Frame, Add	2,512.49	
08 12 13 13-0145	EA		5'-4" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,530.48	170.94
			For Auxiliary Frame Reinforcement For Hinges, Add	178.29	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	142.63	
			For Baked Enamel Finish, Add	407.86	
			For 18 Gauge Frame, Deduct	-118.86	
			For 14 Gauge Frame, Add	297.15	
			For 12 Gauge Frame, Add	451.67	
			For Type 304 Stainless Steel Frame, Add	2,156.59	
			For Type 316 Stainless Steel Frame, Add	2,513.17	
08 12 13 13-0146	EA		5'-8" x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,557.13	174.36
			For Auxiliary Frame Reinforcement For Hinges, Add	181.26	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	145.01	
			For Baked Enamel Finish, Add	414.83	
			For 18 Gauge Frame, Deduct	-120.84	
			For 14 Gauge Frame, Add	302.11	
			For 12 Gauge Frame, Add	459.20	
			For Type 304 Stainless Steel Frame, Add	2,192.59	
			For Type 316 Stainless Steel Frame, Add	2,555.12	
08 12 13 13-0147	EA		6' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,583.78	177.78
			For Auxiliary Frame Reinforcement For Hinges, Add	184.23	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	147.39	
			For Baked Enamel Finish, Add	421.80	
			For 18 Gauge Frame, Deduct	-122.82	
			For 14 Gauge Frame, Add	307.06	
			For 12 Gauge Frame, Add	466.73	
			For Type 304 Stainless Steel Frame, Add	2,228.59	
			For Type 316 Stainless Steel Frame, Add	2,597.06	
08 12 13 13-0148	EA		7' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,669.85	181.20
			For Auxiliary Frame Reinforcement For Hinges, Add	196.12	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	156.90	
			For Baked Enamel Finish, Add	446.60	
			For 18 Gauge Frame, Deduct	-130.75	
			For 14 Gauge Frame, Add	326.87	
			For 12 Gauge Frame, Add	496.83	
			For Type 304 Stainless Steel Frame, Add	2,371.55	
			For Type 316 Stainless Steel Frame, Add	2,763.79	
08 12 13 13-0149	EA		8' x 6'-8" Through 7'-2" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,755.94	184.62
			For Auxiliary Frame Reinforcement For Hinges, Add	208.01	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	166.41	
			For Baked Enamel Finish, Add	471.40	
			For 18 Gauge Frame, Deduct	-138.67	
			For 14 Gauge Frame, Add	346.68	
			For 12 Gauge Frame, Add	526.95	
			For Type 304 Stainless Steel Frame, Add	2,514.56	
			For Type 316 Stainless Steel Frame, Add	2,930.57	
08 12 13 13-0150			>7'-2" Through 9'-0" High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frames (08 12 13 13-0133)		
08 12 13 13-0151	EA		2' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,129.61	102.56
			For Auxiliary Frame Reinforcement For Hinges, Add	138.67	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	110.94	
			For Baked Enamel Finish, Add	308.11	
			For 18 Gauge Frame, Deduct	-92.45	
			For 14 Gauge Frame, Add	231.12	
			For 12 Gauge Frame, Add	351.30	
			For Type 304 Stainless Steel Frame, Add	1,674.32	
			For Type 316 Stainless Steel Frame, Add	1,951.66	
08 12 13 13-0152	EA		2'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,326.21	112.82
			For Auxiliary Frame Reinforcement For Hinges, Add	165.09	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	132.07	
			For Baked Enamel Finish, Add	364.02	
			For 18 Gauge Frame, Deduct	-110.06	
			For 14 Gauge Frame, Add	275.14	
			For 12 Gauge Frame, Add	418.22	
			For Type 304 Stainless Steel Frame, Add	1,992.31	
			For Type 316 Stainless Steel Frame, Add	2,322.48	

## 08 Openings

## 08 10 Doors and Frames

## 08 12 Metal Frames

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 12 13 13-0153	EA	2'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,357.50	119.66
		For Auxiliary Frame Reinforcement For Hinges, Add	167.73	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	134.18	
		For Baked Enamel Finish, Add	371.35	
		For 18 Gauge Frame, Deduct	-111.82	
		For 14 Gauge Frame, Add	279.55	
		For 12 Gauge Frame, Add	424.91	
		For Type 304 Stainless Steel Frame, Add	2,024.69	
		For Type 316 Stainless Steel Frame, Add	2,360.14	
08 12 13 13-0154	EA	2'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,378.01	129.92
		For Auxiliary Frame Reinforcement For Hinges, Add	167.73	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	134.18	
		For Baked Enamel Finish, Add	374.43	
		For 18 Gauge Frame, Deduct	-111.82	
		For 14 Gauge Frame, Add	279.55	
		For 12 Gauge Frame, Add	424.91	
		For Type 304 Stainless Steel Frame, Add	2,025.72	
		For Type 316 Stainless Steel Frame, Add	2,361.17	
08 12 13 13-0155	EA	2'-10" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,402.46	133.33
		For Auxiliary Frame Reinforcement For Hinges, Add	170.37	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	136.29	
		For Baked Enamel Finish, Add	380.74	
		For 18 Gauge Frame, Deduct	-113.58	
		For 14 Gauge Frame, Add	283.95	
		For 12 Gauge Frame, Add	431.60	
		For Type 304 Stainless Steel Frame, Add	2,057.76	
		For Type 316 Stainless Steel Frame, Add	2,398.49	
08 12 13 13-0156	EA	3' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,426.90	136.75
		For Auxiliary Frame Reinforcement For Hinges, Add	173.01	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	138.41	
		For Baked Enamel Finish, Add	387.04	
		For 18 Gauge Frame, Deduct	-115.34	
		For 14 Gauge Frame, Add	288.35	
		For 12 Gauge Frame, Add	438.29	
		For Type 304 Stainless Steel Frame, Add	2,089.78	
		For Type 316 Stainless Steel Frame, Add	2,435.79	
08 12 13 13-0157	EA	3'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,519.82	143.59
		For Auxiliary Frame Reinforcement For Hinges, Add	184.90	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	147.92	
		For Baked Enamel Finish, Add	412.87	
		For 18 Gauge Frame, Deduct	-123.26	
		For 14 Gauge Frame, Add	308.16	
		For 12 Gauge Frame, Add	468.40	
		For Type 304 Stainless Steel Frame, Add	2,233.11	
		For Type 316 Stainless Steel Frame, Add	2,602.90	
08 12 13 13-0158	EA	3'-6" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,533.49	150.43
		For Auxiliary Frame Reinforcement For Hinges, Add	184.90	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	147.92	
		For Baked Enamel Finish, Add	414.92	
		For 18 Gauge Frame, Deduct	-123.26	
		For 14 Gauge Frame, Add	308.16	
		For 12 Gauge Frame, Add	468.40	
		For Type 304 Stainless Steel Frame, Add	2,233.79	
		For Type 316 Stainless Steel Frame, Add	2,603.59	
08 12 13 13-0159	EA	4' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,591.18	157.27
		For Auxiliary Frame Reinforcement For Hinges, Add	191.50	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	153.20	
		For Baked Enamel Finish, Add	430.18	
		For 18 Gauge Frame, Deduct	-127.67	
		For 14 Gauge Frame, Add	319.17	
		For 12 Gauge Frame, Add	485.13	
		For Type 304 Stainless Steel Frame, Add	2,313.71	
		For Type 316 Stainless Steel Frame, Add	2,696.71	
08 12 13 13-0160	EA	5' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,648.88	164.10
		For Auxiliary Frame Reinforcement For Hinges, Add	198.10	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	158.48	
		For Baked Enamel Finish, Add	445.43	
		For 18 Gauge Frame, Deduct	-132.07	
		For 14 Gauge Frame, Add	330.17	
		For 12 Gauge Frame, Add	501.86	
		For Type 304 Stainless Steel Frame, Add	2,393.63	
		For Type 316 Stainless Steel Frame, Add	2,789.84	
08 12 13 13-0161	EA	5'-4" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,662.55	170.94
		For Auxiliary Frame Reinforcement For Hinges, Add	198.10	
		For Welded Frames, Add	245.10	
		For Galvanized Frames, Add	158.48	
		For Baked Enamel Finish, Add	447.48	
		For 18 Gauge Frame, Deduct	-132.07	
		For 14 Gauge Frame, Add	330.17	
		For 12 Gauge Frame, Add	501.86	
		For Type 304 Stainless Steel Frame, Add	2,394.32	
		For Type 316 Stainless Steel Frame, Add	2,790.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 12 13 13-0162	EA		5'-8" x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame.....	1,691.40	174.36
			For Auxiliary Frame Reinforcement For Hinges, Add	201.40	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	161.12	
			For Baked Enamel Finish, Add	455.11	
			For 18 Gauge Frame, Deduct	-134.27	
			For 14 Gauge Frame, Add	335.67	
			For 12 Gauge Frame, Add	510.22	
			For Type 304 Stainless Steel Frame, Add	2,434.28	
			For Type 316 Stainless Steel Frame, Add	2,837.08	
08 12 13 13-0163	EA		6' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,720.25	177.78
			For Auxiliary Frame Reinforcement For Hinges, Add	204.71	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	163.76	
			For Baked Enamel Finish, Add	462.74	
			For 18 Gauge Frame, Deduct	-136.47	
			For 14 Gauge Frame, Add	341.18	
			For 12 Gauge Frame, Add	518.59	
			For Type 304 Stainless Steel Frame, Add	2,474.24	
			For Type 316 Stainless Steel Frame, Add	2,883.65	
08 12 13 13-0164	EA		7' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,815.12	181.20
			For Auxiliary Frame Reinforcement For Hinges, Add	217.91	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	174.33	
			For Baked Enamel Finish, Add	490.18	
			For 18 Gauge Frame, Deduct	-145.27	
			For 14 Gauge Frame, Add	363.18	
			For 12 Gauge Frame, Add	552.04	
			For Type 304 Stainless Steel Frame, Add	2,633.03	
			For Type 316 Stainless Steel Frame, Add	3,068.85	
08 12 13 13-0165	EA		8' x >7'-2" Through 9' High, 8-7/8" Through 13" Deep, 16 Gauge, Knock Down Hollow Metal Door Frame .....	1,910.01	184.62
			For Auxiliary Frame Reinforcement For Hinges, Add	231.12	
			For Welded Frames, Add	245.10	
			For Galvanized Frames, Add	184.89	
			For Baked Enamel Finish, Add	517.62	
			For 18 Gauge Frame, Deduct	-154.08	
			For 14 Gauge Frame, Add	385.20	
			For 12 Gauge Frame, Add	585.50	
			For Type 304 Stainless Steel Frame, Add	2,791.88	
			For Type 316 Stainless Steel Frame, Add	3,254.12	
08 12 13 13-0166			<b>Sidelights And Transoms</b> <small>(08 12 13 13)</small>		
			Note: For non-rated or fire rated frame assemblies		
08 12 13 13-0167			<b>Fixed Steel Transoms</b> <small>(08 12 13 13-0166)</small>		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0168	SF		4-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	113.12	19.14
			For Movable Frame, Add	22.62	
			For 18 Gauge Frame, Deduct	-7.48	
			For 14 Gauge Frame, Add	18.71	
			For 12 Gauge Frame, Add	28.44	
08 12 13 13-0169	SF		5-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	118.15	19.83
			For Movable Frame, Add	23.63	
			For 18 Gauge Frame, Deduct	-7.85	
			For 14 Gauge Frame, Add	19.63	
			For 12 Gauge Frame, Add	29.83	
08 12 13 13-0170	SF		6-3/4" Deep, 16 Gauge Frame, Fixed Steel Transom.....	123.49	20.51
			For Movable Frame, Add	24.70	
			For 18 Gauge Frame, Deduct	-8.25	
			For 14 Gauge Frame, Add	20.62	
			For 12 Gauge Frame, Add	31.33	
08 12 13 13-0171			<b>Operable Steel Transom Sash</b> <small>(08 12 13 13-0166)</small>		
			Note: Includes hardware.		
08 12 13 13-0172	SF		4-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	163.66	19.14
			For 18 Gauge Frame, Deduct	-12.54	
			For 14 Gauge Frame, Add	31.34	
			For 12 Gauge Frame, Add	47.64	
08 12 13 13-0173	SF		5-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	171.31	19.83
			For 18 Gauge Frame, Deduct	-13.17	
			For 14 Gauge Frame, Add	32.92	
			For 12 Gauge Frame, Add	50.03	
08 12 13 13-0174	SF		6-3/4" Deep, 16 Gauge Frame, Operable Steel Transom Sash.....	179.25	20.51
			For 18 Gauge Frame, Deduct	-13.82	
			For 14 Gauge Frame, Add	34.56	
			For 12 Gauge Frame, Add	52.52	
08 12 13 13-0175			<b>Sidelights, Steel Frame</b> <small>(08 12 13 13-0166)</small>		
			Note: Excludes glazing. See CSI section 08 80 00 00-0000 for glazing.		
08 12 13 13-0176	SF		4-3/4" Deep Sidelights, 16 Gauge Frame .....	118.69	19.14
			For 18 Gauge Frame, Deduct	-8.04	
			For 14 Gauge Frame, Add	20.10	
			For 12 Gauge Frame, Add	30.55	
08 12 13 13-0177	SF		5-3/4" Deep Sidelights, 16 Gauge Frame .....	124.09	19.83
			For 18 Gauge Frame, Deduct	-8.44	
			For 14 Gauge Frame, Add	21.11	
			For 12 Gauge Frame, Add	32.09	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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08 12 13 13-0178	SF	6-3/4" Deep Sidelights, 16 Gauge Frame	129.66	20.51
		<i>For 18 Gauge Frame, Deduct</i>	-8.86	
		<i>For 14 Gauge Frame, Add</i>	22.16	
		<i>For 12 Gauge Frame, Add</i>	33.68	
<b>08 12 13 13-0179</b>		<b>Sundry Hollow Metal Frame Sections</b> (08 12 13 13)		
		Note: For non-rated or fire rated frame assemblies		
<b>08 12 13 13-0180</b>		<b>16 Gauge, Hollow Metal Frame Vertical Mullions</b> (08 12 13 13-0179)		
08 12 13 13-0181	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.13	7.65
		<i>For 18 Gauge Frame, Deduct</i>	-1.99	
		<i>For 14 Gauge Frame, Add</i>	4.97	
		<i>For 12 Gauge Frame, Add</i>	7.55	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0182	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.94	7.65
		<i>For 18 Gauge Frame, Deduct</i>	-2.07	
		<i>For 14 Gauge Frame, Add</i>	5.17	
		<i>For 12 Gauge Frame, Add</i>	7.86	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0183	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	39.69	7.93
		<i>For 18 Gauge Frame, Deduct</i>	-1.99	
		<i>For 14 Gauge Frame, Add</i>	4.97	
		<i>For 12 Gauge Frame, Add</i>	7.55	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0184	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	40.93	7.93
		<i>For 18 Gauge Frame, Deduct</i>	-2.11	
		<i>For 14 Gauge Frame, Add</i>	5.28	
		<i>For 12 Gauge Frame, Add</i>	8.02	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0185	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Vertical Mullion	41.13	8.07
		<i>For 18 Gauge Frame, Deduct</i>	-2.09	
		<i>For 14 Gauge Frame, Add</i>	5.22	
		<i>For 12 Gauge Frame, Add</i>	7.93	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0186	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Vertical Mullion	41.60	8.07
		<i>For 18 Gauge Frame, Deduct</i>	-2.13	
		<i>For 14 Gauge Frame, Add</i>	5.34	
		<i>For 12 Gauge Frame, Add</i>	8.11	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
<b>08 12 13 13-0187</b>		<b>16 Gauge, Hollow Metal Frame Horizontal Rails</b> (08 12 13 13-0179)		
08 12 13 13-0188	LF	4-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.20	7.65
		<i>For 18 Gauge Frame, Deduct</i>	-0.99	
		<i>For 14 Gauge Frame, Add</i>	2.49	
		<i>For 12 Gauge Frame, Add</i>	3.78	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0189	LF	4-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.21	7.65
		<i>For 18 Gauge Frame, Deduct</i>	-1.10	
		<i>For 14 Gauge Frame, Add</i>	2.74	
		<i>For 12 Gauge Frame, Add</i>	4.16	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0190	LF	5-1/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	29.76	7.93
		<i>For 18 Gauge Frame, Deduct</i>	-0.99	
		<i>For 14 Gauge Frame, Add</i>	2.49	
		<i>For 12 Gauge Frame, Add</i>	3.78	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0191	LF	5-1/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.77	7.93
		<i>For 18 Gauge Frame, Deduct</i>	-1.10	
		<i>For 14 Gauge Frame, Add</i>	2.74	
		<i>For 12 Gauge Frame, Add</i>	4.16	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	
08 12 13 13-0192	LF	6-3/4" x 1-3/4", 16 Gauge, Hollow Metal Frame Horizontal Rail	30.69	8.07
		<i>For 18 Gauge Frame, Deduct</i>	-1.04	
		<i>For 14 Gauge Frame, Add</i>	2.61	
		<i>For 12 Gauge Frame, Add</i>	3.96	
		<i>For 3 Hour Frame, Add</i>	8.00	
		<i>For 1-1/2 Hour Frame, Add</i>	5.00	
		<i>For 3/4 Hour Frame, Add</i>	4.00	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 12 13 13-0193	LF	6-3/4" x 2", 16 Gauge, Hollow Metal Frame Horizontal Rail.....			31.57	8.07
		For 18 Gauge Frame, Deduct			-1.13	
		For 14 Gauge Frame, Add			2.83	
		For 12 Gauge Frame, Add			4.30	
		For 3 Hour Frame, Add			8.00	
		For 1-1/2 Hour Frame, Add			5.00	
		For 3/4 Hour Frame, Add			4.00	

**08 12 13 13-0194 Metal Frames Accessories** (08 12 13 13)

08 12 13 13-0195	EA	For 1' Extension Of New Door Frame .....			35.67	
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**08 12 19 Stainless-Steel Frames** (08 12)

**08 12 19 00-0001 4-3/4" To 6" Deep Frame, 14 Gauge, Type 304 Stainless Steel Single Door Frame** (08 12 19)

Note: Excludes center mullion.

08 12 19 00-0002	EA	2'-6" x 7'-0", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			2,449.31	102.56
		For 12 Gauge Frame, Add			673.38	
		For 16 Gauge Frame, Deduct			-195.28	
		For 18 Gauge Frame, Deduct			-255.88	
		For Seamless Welded Frame, Add			444.43	
		For 316 Stainless Steel Frame, Add			828.25	
08 12 19 00-0003	EA	3' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			2,545.03	150.43
		For 12 Gauge Frame, Add			683.91	
		For 16 Gauge Frame, Deduct			-198.33	
		For 18 Gauge Frame, Deduct			-259.88	
		For Seamless Welded Frame, Add			451.38	
		For 316 Stainless Steel Frame, Add			841.20	
08 12 19 00-0004	EA	3'-6" x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame .....			2,579.27	150.43
		For 12 Gauge Frame, Add			693.84	
		For 16 Gauge Frame, Deduct			-201.21	
		For 18 Gauge Frame, Deduct			-263.66	
		For Seamless Welded Frame, Add			457.93	
		For 316 Stainless Steel Frame, Add			853.42	
08 12 19 00-0005	EA	4' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			2,578.00	150.43
		For 12 Gauge Frame, Add			693.47	
		For 16 Gauge Frame, Deduct			-201.11	
		For 18 Gauge Frame, Deduct			-263.52	
		For Seamless Welded Frame, Add			457.69	
		For 316 Stainless Steel Frame, Add			852.96	
08 12 19 00-0006	EA	3' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			2,885.14	157.27
		For 12 Gauge Frame, Add			780.08	
		For 16 Gauge Frame, Deduct			-226.22	
		For 18 Gauge Frame, Deduct			-296.43	
		For Seamless Welded Frame, Add			514.85	
		For 316 Stainless Steel Frame, Add			959.49	
08 12 19 00-0007	EA	3'-6" x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame .....			2,923.42	157.27
		For 12 Gauge Frame, Add			791.18	
		For 16 Gauge Frame, Deduct			-229.44	
		For 18 Gauge Frame, Deduct			-300.65	
		For Seamless Welded Frame, Add			522.18	
		For 316 Stainless Steel Frame, Add			973.15	
08 12 19 00-0008	EA	4' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			2,740.51	160.69
		For 12 Gauge Frame, Add			736.90	
		For 16 Gauge Frame, Deduct			-213.70	
		For 18 Gauge Frame, Deduct			-280.02	
		For Seamless Welded Frame, Add			486.36	
		For 316 Stainless Steel Frame, Add			906.39	
08 12 19 00-0009	EA	5' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			3,210.14	164.10
		For 12 Gauge Frame, Add			871.86	
		For 16 Gauge Frame, Deduct			-252.84	
		For 18 Gauge Frame, Deduct			-331.31	
		For Seamless Welded Frame, Add			575.43	
		For 316 Stainless Steel Frame, Add			1,072.39	
08 12 19 00-0010	EA	6' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			3,237.49	177.78
		For 12 Gauge Frame, Add			874.87	
		For 16 Gauge Frame, Deduct			-253.71	
		For 18 Gauge Frame, Deduct			-332.45	
		For Seamless Welded Frame, Add			577.42	
		For 316 Stainless Steel Frame, Add			1,076.09	
08 12 19 00-0011	EA	7' x 7", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			3,367.31	181.20
		For 12 Gauge Frame, Add			911.29	
		For 16 Gauge Frame, Deduct			-264.27	
		For 18 Gauge Frame, Deduct			-346.29	
		For Seamless Welded Frame, Add			601.45	
		For 316 Stainless Steel Frame, Add			1,120.89	
08 12 19 00-0012	EA	5' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			3,365.81	170.94
		For 12 Gauge Frame, Add			914.55	
		For 16 Gauge Frame, Deduct			-265.22	
		For 18 Gauge Frame, Deduct			-347.53	
		For Seamless Welded Frame, Add			603.60	
		For 316 Stainless Steel Frame, Add			1,124.89	
08 12 19 00-0013	EA	6' x 8", 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....			3,386.33	181.20
		For 12 Gauge Frame, Add			916.81	
		For 16 Gauge Frame, Deduct			-265.87	
		For 18 Gauge Frame, Deduct			-348.39	
		For Seamless Welded Frame, Add			605.09	
		For 316 Stainless Steel Frame, Add			1,127.67	

**08 Openings****08 10 Doors and Frames****08 12 Metal Frames**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
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08 12 19 00-0014	EA	7' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	3,513.61	184.62
		<i>For 12 Gauge Frame, Add</i>	952.49	
		<i>For 16 Gauge Frame, Deduct</i>	-276.22	
		<i>For 18 Gauge Frame, Deduct</i>	-361.95	
		<i>For Seamless Welded Frame, Add</i>	628.64	
		<i>For 316 Stainless Steel Frame, Add</i>	1,171.56	
08 12 19 00-0015	EA	8' x 8', 14 Gauge, 4-3/4" To 6" Deep Frame, Type 304 Stainless Steel Single Door Frame.....	3,527.29	191.45
		<i>For 12 Gauge Frame, Add</i>	953.99	
		<i>For 16 Gauge Frame, Deduct</i>	-276.66	
		<i>For 18 Gauge Frame, Deduct</i>	-362.52	
		<i>For Seamless Welded Frame, Add</i>	629.63	
		<i>For 316 Stainless Steel Frame, Add</i>	1,173.41	

**08 13 Metal Doors** (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware. See CSI section 08 70 00 00-0000 for finish hardware.

**08 13 13 Hollow Metal Doors** (08 13)**08 13 13 13 Standard Hollow Metal Doors** (08 13 13)

Note: Hollow Metal Doors are full flush, fabricated from cold rolled steel conforming to ASTM A1008, honeycomb core, interlocking mechanical vertical edge seam, with epoxy baked-on primer. Galvanized steel doors are fabricated from a carbon steel sheet and coated with zinc on two sides by the continuous hot-dip process. Hollow Metal Doors are organized by the following levels: 20 Gauge, Level 1 Standard Duty; 18 Gauge, Level 2 Heavy Duty; 16 Gauge, Level 3 Extra Heavy Duty; 14 Gauge, Level 4 Maximum Duty.

08 13 13 13-0001	EA	20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0002	EA	6'-8" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0001)		
08 13 13 13-0003	EA	2' x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	608.55	75.21
		<i>For Embossed Panel Door, Add</i>	109.95	
		<i>For Baked Enamel Finish, Add</i>	160.00	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-34.19	
		<i>For &gt;100, Deduct</i>	-49.40	
		<i>For Polystyrene Core, Add</i>	45.81	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	114.53	
		<i>For Galvanized Steel Door, Add</i>	91.62	
08 13 13 13-0004	EA	2'-4" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	608.55	75.21
		<i>For Embossed Panel Door, Add</i>	109.95	
		<i>For Baked Enamel Finish, Add</i>	160.00	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-34.19	
		<i>For &gt;100, Deduct</i>	-49.40	
		<i>For Polystyrene Core, Add</i>	45.81	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	114.53	
		<i>For Galvanized Steel Door, Add</i>	91.62	
08 13 13 13-0005	EA	2'-6" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	624.76	78.63
		<i>For Embossed Panel Door, Add</i>	112.20	
		<i>For Baked Enamel Finish, Add</i>	163.84	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-35.17	
		<i>For &gt;100, Deduct</i>	-50.79	
		<i>For Polystyrene Core, Add</i>	46.75	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	116.87	
		<i>For Galvanized Steel Door, Add</i>	93.50	
08 13 13 13-0006	EA	2'-8" x 6'-8" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	631.74	78.63
		<i>For Embossed Panel Door, Add</i>	113.87	
		<i>For Baked Enamel Finish, Add</i>	165.93	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-35.52	
		<i>For &gt;100, Deduct</i>	-51.31	
		<i>For Polystyrene Core, Add</i>	47.45	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	118.62	
		<i>For Galvanized Steel Door, Add</i>	94.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 13 13 13-0007	EA	2'-10" x 6'-8" x 1-3/4"	20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	637.95	80.34
			For Embossed Panel Door, Add	114.54	
			For Baked Enamel Finish, Add	167.28	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-35.91	
			For >100, Deduct	-51.86	
			For Polystyrene Core, Add	47.73	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.32	
			For Galvanized Steel Door, Add	95.45	
			For Type 304 Stainless Steel Door, Add	381.81	
			For Type 316 Stainless Steel Door, Add	620.44	
			For Continuously Welded And Filled Vertical Edge Seam, Add	59.66	
08 13 13 13-0008	EA	3' x 6'-8" x 1-3/4"	20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	644.15	82.05
			For Embossed Panel Door, Add	115.21	
			For Baked Enamel Finish, Add	168.63	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-36.31	
			For >100, Deduct	-52.41	
			For Polystyrene Core, Add	48.01	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.01	
			For Galvanized Steel Door, Add	96.01	
08 13 13 13-0009	EA	3'-4" x 6'-8" x 1-3/4"	20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	680.44	82.05
			For Embossed Panel Door, Add	123.92	
			For Baked Enamel Finish, Add	179.52	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-38.12	
			For >100, Deduct	-55.14	
			For Polystyrene Core, Add	51.63	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.09	
			For Galvanized Steel Door, Add	103.27	
08 13 13 13-0010	EA	3'-6" x 6'-8" x 1-3/4"	20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	701.23	85.47
			For Embossed Panel Door, Add	127.27	
			For Baked Enamel Finish, Add	184.73	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-39.34	
			For >100, Deduct	-56.87	
			For Polystyrene Core, Add	53.03	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.57	
			For Galvanized Steel Door, Add	106.06	
08 13 13 13-0011	EA	4' x 6'-8" x 1-3/4"	20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	770.73	92.31
			For Embossed Panel Door, Add	140.67	
			For Baked Enamel Finish, Add	203.53	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-43.15	
			For >100, Deduct	-62.42	
			For Polystyrene Core, Add	58.61	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.53	
			For Galvanized Steel Door, Add	117.22	

**08 13 13 13-0012 7' High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors**

08 13 13 13-0013	EA	2' x 7' x 1-3/4"	20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	620.56	75.21
			For Embossed Panel Door, Add	112.83	
			For Baked Enamel Finish, Add	163.60	
			For 20 Minute Fire Rated Door, Add	27.63	
			For 45 Minute Fire Rated Door, Add	41.40	
			For 60 Minute Fire Rated Door, Add	55.27	
			For 90 Minute Fire Rated Door, Add	93.38	
			For 3 Hour Fire Rated Door, Add	131.50	
			For >50 To 100, Deduct	-34.79	
			For >100, Deduct	-50.30	
			For Polystyrene Core, Add	47.01	
			For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.53	
			For Galvanized Steel Door, Add	94.03	

## 08 Openings

## 08 10 Doors and Frames

## 08 13 Metal Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0014	EA	2'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	620.56	75.21
		For Embossed Panel Door, Add	112.83	
		For Baked Enamel Finish, Add	163.60	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-34.79	
		For >100, Deduct	-50.30	
		For Polystyrene Core, Add	47.01	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	117.53	
		For Galvanized Steel Door, Add	94.03	
08 13 13 13-0015	EA	2'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	637.01	78.63
		For Embossed Panel Door, Add	115.14	
		For Baked Enamel Finish, Add	167.51	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-35.78	
		For >100, Deduct	-51.71	
		For Polystyrene Core, Add	47.97	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	119.94	
		For Galvanized Steel Door, Add	95.95	
08 13 13 13-0016	EA	2'-8" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	644.17	78.63
		For Embossed Panel Door, Add	116.86	
		For Baked Enamel Finish, Add	169.66	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-36.14	
		For >100, Deduct	-52.24	
		For Polystyrene Core, Add	48.69	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	121.73	
		For Galvanized Steel Door, Add	97.38	
08 13 13 13-0017	EA	2'-10" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	650.45	80.34
		For Embossed Panel Door, Add	117.54	
		For Baked Enamel Finish, Add	171.03	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-36.54	
		For >100, Deduct	-52.80	
		For Polystyrene Core, Add	48.98	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.44	
		For Galvanized Steel Door, Add	97.95	
		For Type 304 Stainless Steel Door, Add	391.81	
		For Type 316 Stainless Steel Door, Add	636.69	
		For Continuously Welded And Filled Vertical Edge Seam, Add	61.22	
08 13 13 13-0018	EA	3' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	656.73	82.05
		For Embossed Panel Door, Add	118.23	
		For Baked Enamel Finish, Add	172.40	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-36.94	
		For >100, Deduct	-53.36	
		For Polystyrene Core, Add	49.26	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.16	
		For Galvanized Steel Door, Add	98.53	
08 13 13 13-0019	EA	3'-4" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door	693.96	82.05
		For Embossed Panel Door, Add	127.17	
		For Baked Enamel Finish, Add	183.57	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-38.80	
		For >100, Deduct	-56.15	
		For Polystyrene Core, Add	52.99	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.47	
		For Galvanized Steel Door, Add	105.97	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 13 13 13-0020	EA	3'-6" x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	715.12		85.47
		For Embossed Panel Door, Add	130.60		
		For Baked Enamel Finish, Add	188.90		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-40.03		
		For >100, Deduct	-57.91		
		For Polystyrene Core, Add	54.42		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	136.05		
		For Galvanized Steel Door, Add	108.84		
08 13 13 13-0021	EA	4' x 7' x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	786.09		92.31
		For Embossed Panel Door, Add	144.35		
		For Baked Enamel Finish, Add	208.13		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-43.92		
		For >100, Deduct	-63.57		
		For Polystyrene Core, Add	60.15		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	150.37		
		For Galvanized Steel Door, Add	120.29		
08 13 13 13-0022		7'-2" High, 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0001)</small>			
08 13 13 13-0023	EA	2' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	632.22		75.21
		For Embossed Panel Door, Add	115.63		
		For Baked Enamel Finish, Add	167.10		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-35.37		
		For >100, Deduct	-51.18		
		For Polystyrene Core, Add	48.18		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.45		
		For Galvanized Steel Door, Add	96.36		
08 13 13 13-0024	EA	2'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	632.22		75.21
		For Embossed Panel Door, Add	115.63		
		For Baked Enamel Finish, Add	167.10		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-35.37		
		For >100, Deduct	-51.18		
		For Polystyrene Core, Add	48.18		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	120.45		
		For Galvanized Steel Door, Add	96.36		
08 13 13 13-0025	EA	2'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	648.91		78.63
		For Embossed Panel Door, Add	117.99		
		For Baked Enamel Finish, Add	171.08		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-36.38		
		For >100, Deduct	-52.60		
		For Polystyrene Core, Add	49.16		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	122.91		
		For Galvanized Steel Door, Add	98.33		
08 13 13 13-0026	EA	2'-8" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door .....	656.25		78.63
		For Embossed Panel Door, Add	119.76		
		For Baked Enamel Finish, Add	173.28		
		For 20 Minute Fire Rated Door, Add	27.63		
		For 45 Minute Fire Rated Door, Add	41.40		
		For 60 Minute Fire Rated Door, Add	55.27		
		For 90 Minute Fire Rated Door, Add	93.38		
		For 3 Hour Fire Rated Door, Add	131.50		
		For >50 To 100, Deduct	-36.74		
		For >100, Deduct	-53.15		
		For Polystyrene Core, Add	49.90		
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	124.75		
		For Galvanized Steel Door, Add	99.80		

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0027	EA		2'-10" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	662.60	80.34
			<i>For Embossed Panel Door, Add</i>	120.46	
			<i>For Baked Enamel Finish, Add</i>	174.68	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-37.15	
			<i>For &gt;100, Deduct</i>	-53.71	
			<i>For Polystyrene Core, Add</i>	50.19	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	125.48	
			<i>For Galvanized Steel Door, Add</i>	100.38	
			<i>For Type 304 Stainless Steel Door, Add</i>	401.53	
			<i>For Type 316 Stainless Steel Door, Add</i>	652.48	
			<i>For Continuously Welded And Filled Vertical Edge Seam, Add</i>	62.74	
08 13 13 13-0028	EA		3' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	668.95	82.05
			<i>For Embossed Panel Door, Add</i>	121.16	
			<i>For Baked Enamel Finish, Add</i>	176.07	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-37.55	
			<i>For &gt;100, Deduct</i>	-54.27	
			<i>For Polystyrene Core, Add</i>	50.49	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	126.21	
			<i>For Galvanized Steel Door, Add</i>	100.97	
08 13 13 13-0029	EA		3'-4" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	707.10	82.05
			<i>For Embossed Panel Door, Add</i>	130.32	
			<i>For Baked Enamel Finish, Add</i>	187.52	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-39.46	
			<i>For &gt;100, Deduct</i>	-57.14	
			<i>For Polystyrene Core, Add</i>	54.30	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	135.75	
			<i>For Galvanized Steel Door, Add</i>	108.60	
08 13 13 13-0030	EA		3'-6" x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	728.62	85.47
			<i>For Embossed Panel Door, Add</i>	133.84	
			<i>For Baked Enamel Finish, Add</i>	192.95	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-40.70	
			<i>For &gt;100, Deduct</i>	-58.92	
			<i>For Polystyrene Core, Add</i>	55.77	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	139.42	
			<i>For Galvanized Steel Door, Add</i>	111.54	
08 13 13 13-0031	EA		4' x 7'-2" x 1-3/4", 20 Gauge, Level 1 Standard Duty, Honeycomb Core, Hollow Metal Door.....	801.00	92.31
			<i>For Embossed Panel Door, Add</i>	147.93	
			<i>For Baked Enamel Finish, Add</i>	212.61	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-44.67	
			<i>For &gt;100, Deduct</i>	-64.69	
			<i>For Polystyrene Core, Add</i>	61.64	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	154.10	
			<i>For Galvanized Steel Door, Add</i>	123.28	
08 13 13 13-0032			18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13)</small>		
08 13 13 13-0033			6'-8" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0034	EA		2' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	645.62	75.21
			<i>For Embossed Panel Door, Add</i>	118.85	
			<i>For Baked Enamel Finish, Add</i>	171.12	
			<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
			<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
			<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
			<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
			<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
			<i>For &gt;50 To 100, Deduct</i>	-36.04	
			<i>For &gt;100, Deduct</i>	-52.18	
			<i>For 2" Thick Door, Add</i>	39.66	
			<i>For Polystyrene Core, Add</i>	49.52	
			<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	123.80	
			<i>For Galvanized Steel Door, Add</i>	99.04	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0035 EA 2'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	645.62	75.21
For Embossed Panel Door, Add	118.85	
For Baked Enamel Finish, Add	171.12	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-36.04	
For >100, Deduct	-52.18	
For 2" Thick Door, Add	39.66	
For Polystyrene Core, Add	49.52	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	123.80	
For Galvanized Steel Door, Add	99.04	
08 13 13 13-0036 EA 2'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	662.58	78.63
For Embossed Panel Door, Add	121.27	
For Baked Enamel Finish, Add	175.18	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-37.06	
For >100, Deduct	-53.63	
For 2" Thick Door, Add	40.57	
For Polystyrene Core, Add	50.53	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.33	
For Galvanized Steel Door, Add	101.06	
08 13 13 13-0037 EA 2'-8" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	670.12	78.63
For Embossed Panel Door, Add	123.08	
For Baked Enamel Finish, Add	177.45	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-37.44	
For >100, Deduct	-54.19	
For 2" Thick Door, Add	41.11	
For Polystyrene Core, Add	51.29	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.21	
For Galvanized Steel Door, Add	102.57	
08 13 13 13-0038 EA 2'-10" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	676.55	80.34
For Embossed Panel Door, Add	123.81	
For Baked Enamel Finish, Add	178.86	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-37.84	
For >100, Deduct	-54.76	
For 2" Thick Door, Add	41.42	
For Polystyrene Core, Add	51.59	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	128.97	
For Galvanized Steel Door, Add	103.17	
For Type 304 Stainless Steel Door, Add	412.69	
For Type 316 Stainless Steel Door, Add	670.62	
For Continuously Welded And Filled Vertical Edge Seam, Add	64.48	
For Steel Stiffened, Add	128.97	
08 13 13 13-0039 EA 3' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	682.99	82.05
For Embossed Panel Door, Add	124.53	
For Baked Enamel Finish, Add	180.28	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-38.25	
For >100, Deduct	-55.33	
For 2" Thick Door, Add	41.72	
For Polystyrene Core, Add	51.89	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.72	
For Galvanized Steel Door, Add	103.78	
08 13 13 13-0040 EA 3'-4" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	722.21	82.05
For Embossed Panel Door, Add	133.95	
For Baked Enamel Finish, Add	192.05	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-40.21	
For >100, Deduct	-58.27	
For 2" Thick Door, Add	44.57	
For Polystyrene Core, Add	55.81	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	139.53	
For Galvanized Steel Door, Add	111.62	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 13 13 13-0041	EA 3'-6" x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	744.13	85.47
	For Embossed Panel Door, Add	137.57	
	For Baked Enamel Finish, Add	197.60	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.48	
	For >100, Deduct	-60.08	
	For 2" Thick Door, Add	45.83	
	For Polystyrene Core, Add	57.32	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	143.30	
	For Galvanized Steel Door, Add	114.64	
08 13 13 13-0042	EA 4' x 6'-8" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	818.15	92.31
	For Embossed Panel Door, Add	152.05	
	For Baked Enamel Finish, Add	217.75	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-45.52	
	For >100, Deduct	-65.98	
	For 2" Thick Door, Add	50.55	
	For Polystyrene Core, Add	63.35	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	158.38	
	For Galvanized Steel Door, Add	126.71	
08 13 13 13-0043	7' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors <small>(08 13 13 13-0032)</small>		
08 13 13 13-0044	EA 2' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	657.37	75.21
	For Embossed Panel Door, Add	121.67	
	For Baked Enamel Finish, Add	174.65	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-36.63	
	For >100, Deduct	-53.06	
	For 2" Thick Door, Add	40.51	
	For Polystyrene Core, Add	50.69	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.74	
	For Galvanized Steel Door, Add	101.39	
08 13 13 13-0045	EA 2'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	657.37	75.21
	For Embossed Panel Door, Add	121.67	
	For Baked Enamel Finish, Add	174.65	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-36.63	
	For >100, Deduct	-53.06	
	For 2" Thick Door, Add	40.51	
	For Polystyrene Core, Add	50.69	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	126.74	
	For Galvanized Steel Door, Add	101.39	
08 13 13 13-0046	EA 2'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	674.58	78.63
	For Embossed Panel Door, Add	124.15	
	For Baked Enamel Finish, Add	178.78	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-37.66	
	For >100, Deduct	-54.53	
	For 2" Thick Door, Add	41.44	
	For Polystyrene Core, Add	51.73	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.33	
	For Galvanized Steel Door, Add	103.46	
08 13 13 13-0047	EA 2'-8" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	682.30	78.63
	For Embossed Panel Door, Add	126.01	
	For Baked Enamel Finish, Add	181.10	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-38.05	
	For >100, Deduct	-55.10	
	For 2" Thick Door, Add	42.00	
	For Polystyrene Core, Add	52.50	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	131.26	
	For Galvanized Steel Door, Add	105.01	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0048 EA 2'-10" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	688.80	80.34
For Embossed Panel Door, Add	126.75	
For Baked Enamel Finish, Add	182.54	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-38.46	
For >100, Deduct	-55.68	
For 2" Thick Door, Add	42.31	
For Polystyrene Core, Add	52.81	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.03	
For Galvanized Steel Door, Add	105.62	
For Type 304 Stainless Steel Door, Add	422.49	
For Type 316 Stainless Steel Door, Add	686.54	
For Continuously Welded And Filled Vertical Edge Seam, Add	66.01	
For Steel Stiffened, Add	132.03	
08 13 13 13-0049 EA 3' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	695.30	82.05
For Embossed Panel Door, Add	127.49	
For Baked Enamel Finish, Add	183.98	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-38.87	
For >100, Deduct	-56.25	
For 2" Thick Door, Add	42.61	
For Polystyrene Core, Add	53.12	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.80	
For Galvanized Steel Door, Add	106.24	
08 13 13 13-0050 EA 3'-4" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	735.45	82.05
For Embossed Panel Door, Add	137.12	
For Baked Enamel Finish, Add	196.02	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-40.88	
For >100, Deduct	-59.26	
For 2" Thick Door, Add	45.53	
For Polystyrene Core, Add	57.14	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	142.84	
For Galvanized Steel Door, Add	114.27	
08 13 13 13-0051 EA 3'-6" x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	757.73	85.47
For Embossed Panel Door, Add	140.83	
For Baked Enamel Finish, Add	201.68	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-42.16	
For >100, Deduct	-61.10	
For 2" Thick Door, Add	46.82	
For Polystyrene Core, Add	58.68	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.70	
For Galvanized Steel Door, Add	117.36	
08 13 13 13-0052 EA 4' x 7' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	833.18	92.31
For Embossed Panel Door, Add	155.65	
For Baked Enamel Finish, Add	222.26	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.27	
For >100, Deduct	-67.10	
For 2" Thick Door, Add	51.64	
For Polystyrene Core, Add	64.86	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	162.14	
For Galvanized Steel Door, Add	129.71	
08 13 13 13-0053 7'-2" High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0032)		

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0054	EA 2' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	669.12	75.21
	For Embossed Panel Door, Add	124.49	
	For Baked Enamel Finish, Add	178.17	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-37.22	
	For >100, Deduct	-53.94	
	For 2" Thick Door, Add	41.37	
	For Polystyrene Core, Add	51.87	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.67	
	For Galvanized Steel Door, Add	103.74	
08 13 13 13-0055	EA 2'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	669.12	75.21
	For Embossed Panel Door, Add	124.49	
	For Baked Enamel Finish, Add	178.17	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-37.22	
	For >100, Deduct	-53.94	
	For 2" Thick Door, Add	41.37	
	For Polystyrene Core, Add	51.87	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	129.67	
	For Galvanized Steel Door, Add	103.74	
08 13 13 13-0056	EA 2'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	686.57	78.63
	For Embossed Panel Door, Add	127.03	
	For Baked Enamel Finish, Add	182.38	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-38.26	
	For >100, Deduct	-55.42	
	For 2" Thick Door, Add	42.31	
	For Polystyrene Core, Add	52.93	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	132.33	
	For Galvanized Steel Door, Add	105.86	
08 13 13 13-0057	EA 2'-8" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	694.47	78.63
	For Embossed Panel Door, Add	128.93	
	For Baked Enamel Finish, Add	184.75	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-38.66	
	For >100, Deduct	-56.02	
	For 2" Thick Door, Add	42.88	
	For Polystyrene Core, Add	53.72	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	134.30	
	For Galvanized Steel Door, Add	107.44	
08 13 13 13-0058	EA 3' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	707.62	82.05
	For Embossed Panel Door, Add	130.44	
	For Baked Enamel Finish, Add	187.67	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-39.48	
	For >100, Deduct	-57.17	
	For 2" Thick Door, Add	43.51	
	For Polystyrene Core, Add	54.35	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	135.88	
	For Galvanized Steel Door, Add	108.70	
08 13 13 13-0059	EA 3'-4" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	748.70	82.05
	For Embossed Panel Door, Add	140.30	
	For Baked Enamel Finish, Add	200.00	
	For 20 Minute Fire Rated Door, Add	27.63	
	For 45 Minute Fire Rated Door, Add	41.40	
	For 60 Minute Fire Rated Door, Add	55.27	
	For 90 Minute Fire Rated Door, Add	93.38	
	For 3 Hour Fire Rated Door, Add	131.50	
	For >50 To 100, Deduct	-41.54	
	For >100, Deduct	-60.26	
	For 2" Thick Door, Add	46.49	
	For Polystyrene Core, Add	58.46	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add	146.15	
	For Galvanized Steel Door, Add	116.92	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT	COST	UNIT COST
08 13 13 13-0060	EA 3'-6" x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....		771.34	85.47
	For Embossed Panel Door, Add		144.10	
	For Baked Enamel Finish, Add		205.76	
	For 20 Minute Fire Rated Door, Add		27.63	
	For 45 Minute Fire Rated Door, Add		41.40	
	For 60 Minute Fire Rated Door, Add		55.27	
	For 90 Minute Fire Rated Door, Add		93.38	
	For 3 Hour Fire Rated Door, Add		131.50	
	For >50 To 100, Deduct		-42.84	
	For >100, Deduct		-62.12	
	For 2" Thick Door, Add		47.80	
	For Polystyrene Core, Add		60.04	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add		150.10	
	For Galvanized Steel Door, Add		120.08	
08 13 13 13-0061	EA 4' x 7'-2" x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....		848.22	92.31
	For Embossed Panel Door, Add		159.26	
	For Baked Enamel Finish, Add		226.77	
	For 20 Minute Fire Rated Door, Add		27.63	
	For 45 Minute Fire Rated Door, Add		41.40	
	For 60 Minute Fire Rated Door, Add		55.27	
	For 90 Minute Fire Rated Door, Add		93.38	
	For 3 Hour Fire Rated Door, Add		131.50	
	For >50 To 100, Deduct		-47.03	
	For >100, Deduct		-68.23	
	For 2" Thick Door, Add		52.73	
	For Polystyrene Core, Add		66.36	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add		165.90	
	For Galvanized Steel Door, Add		132.72	
08 13 13 13-0062	<b>8' High, 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal</b>			
	<b>Doors</b> <small>(08 13 13 13-0032)</small>			
08 13 13 13-0063	EA 2' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....		766.06	75.21
	For Up To 1' Extra Height, Add		170.34	
	For 1' To 1'-6" Extra Height, Add		324.99	
	For Embossed Panel Door, Add		147.75	
	For Baked Enamel Finish, Add		207.25	
	For 20 Minute Fire Rated Door, Add		27.63	
	For 45 Minute Fire Rated Door, Add		41.40	
	For 60 Minute Fire Rated Door, Add		55.27	
	For 90 Minute Fire Rated Door, Add		93.38	
	For 3 Hour Fire Rated Door, Add		131.50	
	For >50 To 100, Deduct		-42.06	
	For >100, Deduct		-61.22	
	For 2" Thick Door, Add		48.39	
	For Polystyrene Core, Add		61.56	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add		153.91	
	For Galvanized Steel Door, Add		123.13	
08 13 13 13-0064	EA 2'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....		766.06	75.21
	For Up To 1' Extra Height, Add		170.34	
	For 1' To 1'-6" Extra Height, Add		324.99	
	For Embossed Panel Door, Add		147.75	
	For Baked Enamel Finish, Add		207.25	
	For 20 Minute Fire Rated Door, Add		27.63	
	For 45 Minute Fire Rated Door, Add		41.40	
	For 60 Minute Fire Rated Door, Add		55.27	
	For 90 Minute Fire Rated Door, Add		93.38	
	For 3 Hour Fire Rated Door, Add		131.50	
	For >50 To 100, Deduct		-42.06	
	For >100, Deduct		-61.22	
	For 2" Thick Door, Add		48.39	
	For Polystyrene Core, Add		61.56	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add		153.91	
	For Galvanized Steel Door, Add		123.13	
08 13 13 13-0065	EA 2'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....		785.49	78.63
	For Up To 1' Extra Height, Add		173.83	
	For 1' To 1'-6" Extra Height, Add		331.64	
	For Embossed Panel Door, Add		150.77	
	For Baked Enamel Finish, Add		212.06	
	For 20 Minute Fire Rated Door, Add		27.63	
	For 45 Minute Fire Rated Door, Add		41.40	
	For 60 Minute Fire Rated Door, Add		55.27	
	For 90 Minute Fire Rated Door, Add		93.38	
	For 3 Hour Fire Rated Door, Add		131.50	
	For >50 To 100, Deduct		-43.21	
	For >100, Deduct		-62.84	
	For 2" Thick Door, Add		49.48	
	For Polystyrene Core, Add		62.82	
	For Mineral Core, 250 Degree Maximum Temperature Rise, Add		157.06	
	For Galvanized Steel Door, Add		125.64	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0066	EA	2'-8" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	794.87	78.63
		For Up To 1' Extra Height, Add	176.42	
		For 1' To 1'-6" Extra Height, Add	336.59	
		For Embossed Panel Door, Add	153.02	
		For Baked Enamel Finish, Add	214.87	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-43.68	
		For >100, Deduct	-63.55	
		For 2" Thick Door, Add	50.16	
		For Polystyrene Core, Add	63.76	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	159.40	
		For Galvanized Steel Door, Add	127.52	
08 13 13 13-0067	EA	2'-10" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	802.03	80.34
		For Up To 1' Extra Height, Add	177.46	
		For 1' To 1'-6" Extra Height, Add	338.56	
		For Embossed Panel Door, Add	153.92	
		For Baked Enamel Finish, Add	216.51	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-44.12	
		For >100, Deduct	-64.17	
		For 2" Thick Door, Add	50.51	
		For Polystyrene Core, Add	64.13	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	160.34	
		For Galvanized Steel Door, Add	128.27	
		For Type 304 Stainless Steel Door, Add	513.07	
		For Type 316 Stainless Steel Door, Add	833.74	
		For Continuously Welded And Filled Vertical Edge Seam, Add	80.17	
		For Steel Stiffened, Add	160.34	
08 13 13 13-0068	EA	3' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	809.19	82.05
		For Up To 1' Extra Height, Add	178.50	
		For 1' To 1'-6" Extra Height, Add	340.54	
		For Embossed Panel Door, Add	154.82	
		For Baked Enamel Finish, Add	218.14	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-44.56	
		For >100, Deduct	-64.79	
		For 2" Thick Door, Add	50.87	
		For Polystyrene Core, Add	64.51	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	161.27	
		For Galvanized Steel Door, Add	129.02	
08 13 13 13-0069	EA	3'-4" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	857.95	82.05
		For Up To 1' Extra Height, Add	191.99	
		For 1' To 1'-6" Extra Height, Add	366.28	
		For Embossed Panel Door, Add	166.52	
		For Baked Enamel Finish, Add	232.77	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-47.00	
		For >100, Deduct	-68.45	
		For 2" Thick Door, Add	54.41	
		For Polystyrene Core, Add	69.39	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	173.46	
		For Galvanized Steel Door, Add	138.77	
08 13 13 13-0070	EA	3'-6" x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door .....	883.55	85.47
		For Up To 1' Extra Height, Add	197.18	
		For 1' To 1'-6" Extra Height, Add	376.19	
		For Embossed Panel Door, Add	171.03	
		For Baked Enamel Finish, Add	239.42	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-48.45	
		For >100, Deduct	-70.54	
		For 2" Thick Door, Add	55.94	
		For Polystyrene Core, Add	71.26	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.15	
		For Galvanized Steel Door, Add	142.52	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0071 EA 4' x 8' x 1-3/4", 18 Gauge, Level 2 Heavy Duty, Honeycomb Core, Hollow Metal Door.....	972.24	92.31
For Up To 1' Extra Height, Add	217.93	
For 1' To 1'-6" Extra Height, Add	415.78	
For Embossed Panel Door, Add	189.03	
For Baked Enamel Finish, Add	263.98	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-53.23	
For >100, Deduct	-77.53	
For 2" Thick Door, Add	61.72	
For Polystyrene Core, Add	78.76	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	196.91	
For Galvanized Steel Door, Add	157.52	
 08 13 13 13-0072 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13)		
08 13 13 13-0073 6'-8" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors (08 13 13 13-0072)		
08 13 13 13-0074 EA 2' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	836.26	75.21
For Embossed Panel Door, Add	164.60	
For Baked Enamel Finish, Add	228.31	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-45.57	
For >100, Deduct	-66.48	
For 2" Thick Door, Add	53.48	
For Polystyrene Core, Add	68.58	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.46	
For 14 Gauge, Level 4 Maximum Duty, Add	274.33	
For Galvanized Steel Door, Add	137.17	
08 13 13 13-0075 EA 2'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	836.26	75.21
For Embossed Panel Door, Add	164.60	
For Baked Enamel Finish, Add	228.31	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-45.57	
For >100, Deduct	-66.48	
For 2" Thick Door, Add	53.48	
For Polystyrene Core, Add	68.58	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	171.46	
For 14 Gauge, Level 4 Maximum Duty, Add	274.33	
For Galvanized Steel Door, Add	137.17	
08 13 13 13-0076 EA 2'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	857.13	78.63
For Embossed Panel Door, Add	167.97	
For Baked Enamel Finish, Add	233.55	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.79	
For >100, Deduct	-68.22	
For 2" Thick Door, Add	54.67	
For Polystyrene Core, Add	69.99	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	174.97	
For 14 Gauge, Level 4 Maximum Duty, Add	279.94	
For Galvanized Steel Door, Add	139.97	
08 13 13 13-0077 EA 2'-8" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	867.57	78.63
For Embossed Panel Door, Add	170.47	
For Baked Enamel Finish, Add	236.68	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.31	
For >100, Deduct	-69.00	
For 2" Thick Door, Add	55.43	
For Polystyrene Core, Add	71.03	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	177.58	
For 14 Gauge, Level 4 Maximum Duty, Add	284.12	
For Galvanized Steel Door, Add	142.06	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0078	EA	2'-10" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	875.19	80.34
		For Embossed Panel Door, Add	171.48	
		For Baked Enamel Finish, Add	238.45	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-47.78	
		For >100, Deduct	-69.66	
		For 2" Thick Door, Add	55.82	
		For Polystyrene Core, Add	71.45	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	178.63	
		For 14 Gauge, Level 4 Maximum Duty, Add	285.80	
		For Galvanized Steel Door, Add	142.90	
		For Type 304 Stainless Steel Door, Add	571.60	
		For Type 316 Stainless Steel Door, Add	928.85	
		For Continuously Welded And Filled Vertical Edge Seam, Add	89.31	
		For Steel Stiffened, Add	178.63	
08 13 13 13-0079	EA	3' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	882.76	82.05
		For Embossed Panel Door, Add	172.48	
		For Baked Enamel Finish, Add	240.21	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-48.24	
		For >100, Deduct	-70.31	
		For 2" Thick Door, Add	56.21	
		For Polystyrene Core, Add	71.87	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.67	
		For 14 Gauge, Level 4 Maximum Duty, Add	287.46	
		For Galvanized Steel Door, Add	143.73	
08 13 13 13-0080	EA	3'-4" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	937.08	82.05
		For Embossed Panel Door, Add	185.52	
		For Baked Enamel Finish, Add	256.51	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-50.96	
		For >100, Deduct	-74.38	
		For 2" Thick Door, Add	60.14	
		For Polystyrene Core, Add	77.30	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	193.25	
		For 14 Gauge, Level 4 Maximum Duty, Add	309.19	
		For Galvanized Steel Door, Add	154.60	
08 13 13 13-0081	EA	3'-6" x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	964.81	85.47
		For Embossed Panel Door, Add	190.53	
		For Baked Enamel Finish, Add	263.80	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.51	
		For >100, Deduct	-76.63	
		For 2" Thick Door, Add	61.83	
		For Polystyrene Core, Add	79.39	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	198.47	
		For 14 Gauge, Level 4 Maximum Duty, Add	317.55	
		For Galvanized Steel Door, Add	158.77	
08 13 13 13-0082	EA	4' x 6'-8" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,062.05	92.31
		For Embossed Panel Door, Add	210.58	
		For Baked Enamel Finish, Add	290.92	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-57.72	
		For >100, Deduct	-84.27	
		For 2" Thick Door, Add	68.23	
		For Polystyrene Core, Add	87.74	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	219.36	
		For 14 Gauge, Level 4 Maximum Duty, Add	350.97	
		For Galvanized Steel Door, Add	175.49	

08 13 13 13-0083 7' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow  
Metal Doors (08 13 13 13-0072)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0084 EA 2' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	852.54	75.21
For Embossed Panel Door, Add	168.51	
For Baked Enamel Finish, Add	233.20	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.39	
For >100, Deduct	-67.70	
For 2" Thick Door, Add	54.66	
For Polystyrene Core, Add	70.21	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	175.53	
For 14 Gauge, Level 4 Maximum Duty, Add	280.84	
For Galvanized Steel Door, Add	140.42	
08 13 13 13-0085 EA 2'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	852.54	75.21
For Embossed Panel Door, Add	168.51	
For Baked Enamel Finish, Add	233.20	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-46.39	
For >100, Deduct	-67.70	
For 2" Thick Door, Add	54.66	
For Polystyrene Core, Add	70.21	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	175.53	
For 14 Gauge, Level 4 Maximum Duty, Add	280.84	
For Galvanized Steel Door, Add	140.42	
08 13 13 13-0086 EA 2'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	873.74	78.63
For Embossed Panel Door, Add	171.95	
For Baked Enamel Finish, Add	238.53	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.62	
For >100, Deduct	-69.46	
For 2" Thick Door, Add	55.88	
For Polystyrene Core, Add	71.65	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.12	
For 14 Gauge, Level 4 Maximum Duty, Add	286.59	
For Galvanized Steel Door, Add	143.29	
08 13 13 13-0087 EA 2'-8" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	884.43	78.63
For Embossed Panel Door, Add	174.52	
For Baked Enamel Finish, Add	241.74	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.15	
For >100, Deduct	-70.26	
For 2" Thick Door, Add	56.65	
For Polystyrene Core, Add	72.72	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	181.79	
For 14 Gauge, Level 4 Maximum Duty, Add	290.86	
For Galvanized Steel Door, Add	145.43	
08 13 13 13-0088 EA 2'-10" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	892.13	80.34
For Embossed Panel Door, Add	175.55	
For Baked Enamel Finish, Add	243.54	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.62	
For >100, Deduct	-70.93	
For 2" Thick Door, Add	57.05	
For Polystyrene Core, Add	73.14	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	182.86	
For 14 Gauge, Level 4 Maximum Duty, Add	292.58	
For Galvanized Steel Door, Add	146.29	
For Type 304 Stainless Steel Door, Add	585.15	
For Type 316 Stainless Steel Door, Add	950.87	
For Continuously Welded And Filled Vertical Edge Seam, Add	91.43	
For Steel Stiffened, Add	182.86	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0089	EA	3' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	899.81	82.05
		<i>For Embossed Panel Door, Add</i>	176.57	
		<i>For Baked Enamel Finish, Add</i>	245.33	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-49.09	
		<i>For &gt;100, Deduct</i>	-71.59	
		<i>For 2" Thick Door, Add</i>	57.44	
		<i>For Polystyrene Core, Add</i>	73.57	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	183.93	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	294.28	
		<i>For Galvanized Steel Door, Add</i>	147.14	
08 13 13 13-0090	EA	3'-4" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	955.42	82.05
		<i>For Embossed Panel Door, Add</i>	189.92	
		<i>For Baked Enamel Finish, Add</i>	262.01	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-51.87	
		<i>For &gt;100, Deduct</i>	-75.76	
		<i>For 2" Thick Door, Add</i>	61.47	
		<i>For Polystyrene Core, Add</i>	79.13	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	197.83	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	316.53	
		<i>For Galvanized Steel Door, Add</i>	158.26	
08 13 13 13-0091	EA	3'-6" x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	983.65	85.47
		<i>For Embossed Panel Door, Add</i>	195.05	
		<i>For Baked Enamel Finish, Add</i>	269.45	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-53.46	
		<i>For &gt;100, Deduct</i>	-78.05	
		<i>For 2" Thick Door, Add</i>	63.19	
		<i>For Polystyrene Core, Add</i>	81.27	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	203.18	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	325.08	
		<i>For Galvanized Steel Door, Add</i>	162.54	
08 13 13 13-0092	EA	4' x 7' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	1,082.88	92.31
		<i>For Embossed Panel Door, Add</i>	215.58	
		<i>For Baked Enamel Finish, Add</i>	297.17	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-58.76	
		<i>For &gt;100, Deduct</i>	-85.83	
		<i>For 2" Thick Door, Add</i>	69.74	
		<i>For Polystyrene Core, Add</i>	89.83	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	224.57	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	359.30	
		<i>For Galvanized Steel Door, Add</i>	179.65	
08 13 13 13-0093		<b>7'-2" High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors</b>		
		<small>(08 13 13 13-0072)</small>		
08 13 13 13-0094	EA	2' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door	868.82	75.21
		<i>For Embossed Panel Door, Add</i>	172.41	
		<i>For Baked Enamel Finish, Add</i>	238.08	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-47.20	
		<i>For &gt;100, Deduct</i>	-68.92	
		<i>For 2" Thick Door, Add</i>	55.84	
		<i>For Polystyrene Core, Add</i>	71.84	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	179.60	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	287.36	
		<i>For Galvanized Steel Door, Add</i>	143.68	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0095 EA 2'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	868.82	75.21
For Embossed Panel Door, Add	172.41	
For Baked Enamel Finish, Add	238.08	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-47.20	
For >100, Deduct	-68.92	
For 2" Thick Door, Add	55.84	
For Polystyrene Core, Add	71.84	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	179.60	
For 14 Gauge, Level 4 Maximum Duty, Add	287.36	
For Galvanized Steel Door, Add	143.68	
08 13 13 13-0096 EA 2'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	890.35	78.63
For Embossed Panel Door, Add	175.94	
For Baked Enamel Finish, Add	243.51	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-48.45	
For >100, Deduct	-70.71	
For 2" Thick Door, Add	57.08	
For Polystyrene Core, Add	73.31	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	183.27	
For 14 Gauge, Level 4 Maximum Duty, Add	293.23	
For Galvanized Steel Door, Add	146.62	
08 13 13 13-0097 EA 2'-8" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	901.29	78.63
For Embossed Panel Door, Add	178.56	
For Baked Enamel Finish, Add	246.80	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.00	
For >100, Deduct	-71.53	
For 2" Thick Door, Add	57.87	
For Polystyrene Core, Add	74.40	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	186.01	
For 14 Gauge, Level 4 Maximum Duty, Add	297.61	
For Galvanized Steel Door, Add	148.80	
08 13 13 13-0098 EA 2'-10" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	909.10	80.34
For Embossed Panel Door, Add	179.62	
For Baked Enamel Finish, Add	248.63	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.47	
For >100, Deduct	-72.20	
For 2" Thick Door, Add	58.28	
For Polystyrene Core, Add	74.84	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	187.10	
For 14 Gauge, Level 4 Maximum Duty, Add	299.36	
For Galvanized Steel Door, Add	149.68	
For Type 304 Stainless Steel Door, Add	598.73	
For Type 316 Stainless Steel Door, Add	972.93	
For Continuously Welded And Filled Vertical Edge Seam, Add	93.55	
For Steel Stiffened, Add	187.10	
08 13 13 13-0099 EA 3' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	916.87	82.05
For Embossed Panel Door, Add	180.66	
For Baked Enamel Finish, Add	250.45	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-49.95	
For >100, Deduct	-72.87	
For 2" Thick Door, Add	58.68	
For Polystyrene Core, Add	75.28	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	188.19	
For 14 Gauge, Level 4 Maximum Duty, Add	301.11	
For Galvanized Steel Door, Add	150.55	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0100	EA	3'-4" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	973.77	82.05
		For Embossed Panel Door, Add	194.32	
		For Baked Enamel Finish, Add	267.52	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-52.79	
		For >100, Deduct	-77.14	
		For 2" Thick Door, Add	62.80	
		For Polystyrene Core, Add	80.97	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	202.42	
		For 14 Gauge, Level 4 Maximum Duty, Add	323.87	
		For Galvanized Steel Door, Add	161.93	
08 13 13 13-0101	EA	3'-6" x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,002.49	85.47
		For Embossed Panel Door, Add	199.57	
		For Baked Enamel Finish, Add	275.11	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-54.40	
		For >100, Deduct	-79.46	
		For 2" Thick Door, Add	64.56	
		For Polystyrene Core, Add	83.16	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	207.89	
		For 14 Gauge, Level 4 Maximum Duty, Add	332.62	
		For Galvanized Steel Door, Add	166.31	
08 13 13 13-0102	EA	4' x 7'-2" x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,103.70	92.31
		For Embossed Panel Door, Add	220.58	
		For Baked Enamel Finish, Add	303.42	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-59.80	
		For >100, Deduct	-87.39	
		For 2" Thick Door, Add	71.25	
		For Polystyrene Core, Add	91.91	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	229.77	
		For 14 Gauge, Level 4 Maximum Duty, Add	367.63	
		For Galvanized Steel Door, Add	183.82	

**08 13 13 13-0103 8' High, 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Doors** (08 13 13 13-0072)

08 13 13 13-0104	EA	2' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,003.08	75.21
		For Up To 1' Extra Height, Add	235.93	
		For Embossed Panel Door, Add	204.64	
		For Baked Enamel Finish, Add	278.36	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-53.91	
		For >100, Deduct	-78.99	
		For 2" Thick Door, Add	65.58	
		For Polystyrene Core, Add	85.27	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	213.16	
		For 14 Gauge, Level 4 Maximum Duty, Add	341.06	
		For Galvanized Steel Door, Add	170.53	
08 13 13 13-0105	EA	2'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door.....	1,003.08	75.21
		For Up To 1' Extra Height, Add	235.93	
		For Embossed Panel Door, Add	204.64	
		For Baked Enamel Finish, Add	278.36	
		For 20 Minute Fire Rated Door, Add	27.63	
		For 45 Minute Fire Rated Door, Add	41.40	
		For 60 Minute Fire Rated Door, Add	55.27	
		For 90 Minute Fire Rated Door, Add	93.38	
		For 3 Hour Fire Rated Door, Add	131.50	
		For >50 To 100, Deduct	-53.91	
		For >100, Deduct	-78.99	
		For 2" Thick Door, Add	65.58	
		For Polystyrene Core, Add	85.27	
		For Mineral Core, 250 Degree Maximum Temperature Rise, Add	213.16	
		For 14 Gauge, Level 4 Maximum Duty, Add	341.06	
		For Galvanized Steel Door, Add	170.53	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 13 13-0106 EA 2'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,027.36	78.63
For Up To 1' Extra Height, Add	240.75	
For Embossed Panel Door, Add	208.82	
For Baked Enamel Finish, Add	284.62	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.30	
For >100, Deduct	-80.98	
For 2" Thick Door, Add	67.01	
For Polystyrene Core, Add	87.01	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	217.52	
For 14 Gauge, Level 4 Maximum Duty, Add	348.04	
For Galvanized Steel Door, Add	174.02	
08 13 13 13-0107 EA 2'-8" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,040.34	78.63
For Up To 1' Extra Height, Add	244.35	
For Embossed Panel Door, Add	211.94	
For Baked Enamel Finish, Add	288.51	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-55.95	
For >100, Deduct	-81.96	
For 2" Thick Door, Add	67.95	
For Polystyrene Core, Add	88.31	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	220.77	
For 14 Gauge, Level 4 Maximum Duty, Add	353.23	
For Galvanized Steel Door, Add	176.61	
08 13 13 13-0108 EA 2'-10" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,048.95	80.34
For Up To 1' Extra Height, Add	245.78	
For Embossed Panel Door, Add	213.18	
For Baked Enamel Finish, Add	290.58	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-56.46	
For >100, Deduct	-82.69	
For 2" Thick Door, Add	68.42	
For Polystyrene Core, Add	88.83	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	222.07	
For 14 Gauge, Level 4 Maximum Duty, Add	355.30	
For Galvanized Steel Door, Add	177.65	
For Type 304 Stainless Steel Door, Add	710.61	
For Type 316 Stainless Steel Door, Add	1,154.74	
For Continuously Welded And Filled Vertical Edge Seam, Add	111.03	
For Steel Stiffened, Add	222.07	
08 13 13 13-0109 EA 3' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,057.56	82.05
For Up To 1' Extra Height, Add	247.22	
For Embossed Panel Door, Add	214.43	
For Baked Enamel Finish, Add	292.65	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-56.98	
For >100, Deduct	-83.42	
For 2" Thick Door, Add	68.88	
For Polystyrene Core, Add	89.35	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	223.37	
For 14 Gauge, Level 4 Maximum Duty, Add	357.38	
For Galvanized Steel Door, Add	178.69	
08 13 13 13-0110 EA 3'-4" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,125.09	82.05
For Up To 1' Extra Height, Add	265.91	
For Embossed Panel Door, Add	230.64	
For Baked Enamel Finish, Add	312.91	
For 20 Minute Fire Rated Door, Add	27.63	
For 45 Minute Fire Rated Door, Add	41.40	
For 60 Minute Fire Rated Door, Add	55.27	
For 90 Minute Fire Rated Door, Add	93.38	
For 3 Hour Fire Rated Door, Add	131.50	
For >50 To 100, Deduct	-60.36	
For >100, Deduct	-88.48	
For 2" Thick Door, Add	73.77	
For Polystyrene Core, Add	96.10	
For Mineral Core, 250 Degree Maximum Temperature Rise, Add	240.25	
For 14 Gauge, Level 4 Maximum Duty, Add	384.40	
For Galvanized Steel Door, Add	192.20	

**08 Openings****08 10 Doors and Frames****08 13 Metal Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 13 13 13-0111	EA	3'-6" x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,157.90	85.47
		<i>For Up To 1' Extra Height, Add</i>	273.09	
		<i>For 1' To 1'-6" Extra Height, Add</i>	521.02	
		<i>For Embossed Panel Door, Add</i>	236.87	
		<i>For Baked Enamel Finish, Add</i>	321.73	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-62.17	
		<i>For &gt;100, Deduct</i>	-91.12	
		<i>For 2" Thick Door, Add</i>	75.83	
		<i>For Polystyrene Core, Add</i>	98.70	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	246.74	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	394.78	
		<i>For Galvanized Steel Door, Add</i>	197.39	
08 13 13 13-0112	EA	4' x 8' x 1-3/4", 16 Gauge, Level 3 Extra Heavy Duty, Honeycomb Core, Hollow Metal Door .....	1,275.47	92.31
		<i>For Up To 1' Extra Height, Add</i>	301.84	
		<i>For 1' To 1'-6" Extra Height, Add</i>	575.86	
		<i>For Embossed Panel Door, Add</i>	261.80	
		<i>For Baked Enamel Finish, Add</i>	354.95	
		<i>For 20 Minute Fire Rated Door, Add</i>	27.63	
		<i>For 45 Minute Fire Rated Door, Add</i>	41.40	
		<i>For 60 Minute Fire Rated Door, Add</i>	55.27	
		<i>For 90 Minute Fire Rated Door, Add</i>	93.38	
		<i>For 3 Hour Fire Rated Door, Add</i>	131.50	
		<i>For &gt;50 To 100, Deduct</i>	-68.39	
		<i>For &gt;100, Deduct</i>	-100.28	
		<i>For 2" Thick Door, Add</i>	83.70	
		<i>For Polystyrene Core, Add</i>	109.09	
		<i>For Mineral Core, 250 Degree Maximum Temperature Rise, Add</i>	272.71	
		<i>For 14 Gauge, Level 4 Maximum Duty, Add</i>	436.34	
		<i>For Galvanized Steel Door, Add</i>	218.17	

**08 13 19 Stainless-Steel Doors (08 13)**

08 13 19 00-0001		<b>Stainless Steel Doors (08 13 19)</b> Note: Full flush, impregnated honeycomb core.		
08 13 19 00-0002		<b>304 Stainless Steel Doors (08 13 19 00-0001)</b>		
08 13 19 00-0003		<b>16 Gauge, 304 Stainless Steel Doors (08 13 19 00-0002)</b>		
08 13 19 00-0004	EA	2'-6" x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door.....	2,912.94	78.63
		<i>For Louvered Door, Add</i>	482.24	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0005	EA	3' x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door .....	2,919.77	82.05
		<i>For Louvered Door, Add</i>	482.24	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0006	EA	3'-6" x 7' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door.....	3,152.33	85.47
		<i>For Louvered Door, Add</i>	521.74	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0007	EA	2'-6" x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door.....	3,126.88	78.63
		<i>For Louvered Door, Add</i>	519.68	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0008	EA	3' x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door .....	3,135.67	82.05
		<i>For Louvered Door, Add</i>	520.02	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0009	EA	3'-6" x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door.....	3,370.19	85.47
		<i>For Louvered Door, Add</i>	559.87	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0010	EA	4' x 8' x 1-3/4" Thick, 16 Gauge, 304 Stainless Steel Single Door.....	3,607.62	92.31
		<i>For Louvered Door, Add</i>	599.03	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0011		<b>14 Gauge, 304 Stainless Steel Doors (08 13 19 00-0002)</b>		
08 13 19 00-0012	EA	2'-6" x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door.....	3,662.71	78.63
		<i>For Louvered Door, Add</i>	613.45	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0013	EA	3' x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door .....	3,669.54	82.05
		<i>For Louvered Door, Add</i>	613.45	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0014	EA	3'-6" x 7' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door.....	3,935.46	85.47
		<i>For Louvered Door, Add</i>	658.79	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		
08 13 19 00-0015	EA	2'-6" x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door.....	3,904.12	78.63
		<i>For Louvered Door, Add</i>	655.70	
		<i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 13 19 00-0016	EA		3' x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	3,910.95 655.70	82.05
08 13 19 00-0017	EA		3'-6" x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,176.87 701.04	85.47
08 13 19 00-0018	EA		4' x 8' x 1-3/4" Thick, 14 Gauge, 304 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,451.60 746.72	92.31
<b>08 13 19 00-0019 316 Stainless Steel Doors (08 13 19 00-0001)</b>					
<b>08 13 19 00-0020 16 Gauge, 316 Stainless Steel Doors (08 13 19 00-0019)</b>					
08 13 19 00-0021	EA		2'-6" x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	3,913.94 657.42	78.63
08 13 19 00-0022	EA		3' x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	3,920.77 657.42	82.05
08 13 19 00-0023	EA		3'-6" x 7' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,286.78 720.27	85.47
08 13 19 00-0024	EA		2'-6" x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,214.23 709.97	78.63
08 13 19 00-0025	EA		3' x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,221.06 709.97	82.05
08 13 19 00-0026	EA		3'-6" x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,585.12 772.48	85.47
08 13 19 00-0027	EA		4' x 8' x 1-3/4" Thick, 16 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,959.94 835.68	92.31
<b>08 13 19 00-0028 14 Gauge, 316 Stainless Steel Doors (08 13 19 00-0019)</b>					
08 13 19 00-0029	EA		2'-6" x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,663.70 788.63	78.63
08 13 19 00-0030	EA		3' x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	4,670.53 788.63	82.05
08 13 19 00-0031	EA		3'-6" x 7' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	5,097.39 862.13	85.47
08 13 19 00-0032	EA		2'-6" x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	5,007.18 848.73	78.63
08 13 19 00-0033	EA		3' x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	5,435.99 922.58	82.05
08 13 19 00-0034	EA		3'-6" x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door ..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	5,442.83 922.58	85.47
08 13 19 00-0035	EA		4' x 8' x 1-3/4" Thick, 14 Gauge, 316 Stainless Steel Single Door..... <i>For Louvered Door, Add</i> <i>Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.</i>	5,845.13 990.59	92.31
<b>08 13 19 00-0036 Stainless Steel Door Assembly Accessories (08 13 19)</b>					
08 13 19 00-0037	SF		Vision Panel With Type 304 Frame, 1-1/2 Hour Fire Rated Glazing, Stainless Steel Door Assembly Accessories.....	1,248.65	82.05
08 13 19 00-0038	EA		Door Louver With Type 304 Frame, Stainless Steel Door Assembly Accessories.....	864.04	75.21
08 13 19 00-0039	LF		Door Astragal With Type 304 Plate, Stainless Steel Door Assembly Accessories..... <i>For Type 316 Stainless Steel Plate, Add</i>	42.49 13.25	4.62
08 13 19 00-0040	LF		Type 304 Center Door Mullion, Stainless Steel Door Assembly Accessories..... <i>For Type 316 Stainless Steel Plate, Add</i>	197.41 44.96	7.52
08 13 19 00-0041	EA		For 1-1/2 Hour Fire Rated Door, Single Door, Stainless Steel Door Assembly Accessories .....	507.16	
08 13 19 00-0042	EA		For 1-1/2 Hour Fire Rated Door, Double Doors, Stainless Steel Door Assembly Accessories .....	868.51	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**08 14 Wood Doors** (08 10)Note: Includes machining for all hardware, except mortised locks. Excludes frames, finish hardware (unless note states included).  
See CSI section 08 05 13 00-0040 for mortise preparation, 08 70 00 00-0000 for finish hardware.**08 14 16 Flush Wood Doors** (08 14)**08 14 16 00-0001 1-3/8" Thick, Hollow Core (HC), Wood Doors** (08 14 16)**08 14 16 00-0002 Birch Faced Wood Door** (08 14 16 00-0001)

08 14 16 00-0003	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	270.35	75.21
		For >50 To 100, Deduct	-17.28	
		For >100, Deduct	-24.04	
08 14 16 00-0004	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	270.35	75.21
		For >50 To 100, Deduct	-17.28	
		For >100, Deduct	-24.04	
08 14 16 00-0005	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	285.70	78.63
		For >50 To 100, Deduct	-18.22	
		For >100, Deduct	-25.36	
08 14 16 00-0006	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	291.95	78.63
		For >50 To 100, Deduct	-18.53	
		For >100, Deduct	-25.83	
08 14 16 00-0007	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	293.41	78.63
		For >50 To 100, Deduct	-18.60	
		For >100, Deduct	-25.94	
08 14 16 00-0008	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	300.98	82.05
		For >50 To 100, Deduct	-19.15	
		For >100, Deduct	-26.68	
08 14 16 00-0009	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.35	82.05
		For >50 To 100, Deduct	-19.82	
		For >100, Deduct	-27.68	
08 14 16 00-0010	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	330.81	85.47
		For >50 To 100, Deduct	-20.81	
		For >100, Deduct	-29.08	
08 14 16 00-0011	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	277.35	75.21
		For >50 To 100, Deduct	-17.63	
		For >100, Deduct	-24.56	
08 14 16 00-0012	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	277.35	75.21
		For >50 To 100, Deduct	-17.63	
		For >100, Deduct	-24.56	
08 14 16 00-0013	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	293.18	78.63
		For >50 To 100, Deduct	-18.59	
		For >100, Deduct	-25.92	
08 14 16 00-0014	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	299.79	78.63
		For >50 To 100, Deduct	-18.92	
		For >100, Deduct	-26.42	
08 14 16 00-0015	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	301.34	78.63
		For >50 To 100, Deduct	-19.00	
		For >100, Deduct	-26.53	
08 14 16 00-0016	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	308.94	82.05
		For >50 To 100, Deduct	-19.55	
		For >100, Deduct	-27.27	
08 14 16 00-0017	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	323.09	82.05
		For >50 To 100, Deduct	-20.26	
		For >100, Deduct	-28.33	
08 14 16 00-0018	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	340.10	85.47
		For >50 To 100, Deduct	-21.28	
		For >100, Deduct	-29.78	
08 14 16 00-0019	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	302.09	75.21
		For >50 To 100, Deduct	-18.87	
		For >100, Deduct	-26.42	
08 14 16 00-0020	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	302.09	75.21
		For >50 To 100, Deduct	-18.87	
		For >100, Deduct	-26.42	
08 14 16 00-0021	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.69	78.63
		For >50 To 100, Deduct	-19.92	
		For >100, Deduct	-27.91	
08 14 16 00-0022	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	327.57	78.63
		For >50 To 100, Deduct	-20.31	
		For >100, Deduct	-28.50	
08 14 16 00-0023	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	329.43	78.63
		For >50 To 100, Deduct	-20.40	
		For >100, Deduct	-28.64	
08 14 16 00-0024	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	337.18	82.05
		For >50 To 100, Deduct	-20.96	
		For >100, Deduct	-29.39	
08 14 16 00-0025	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	354.09	82.05
		For >50 To 100, Deduct	-21.81	
		For >100, Deduct	-30.66	
08 14 16 00-0026	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	373.08	85.47
		For >50 To 100, Deduct	-22.93	
		For >100, Deduct	-32.25	

**08 14 16 00-0027 Oak Faced Wood Door** (08 14 16 00-0001)

08 14 16 00-0028	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	327.97	75.21
		For >50 To 100, Deduct	-20.16	
		For >100, Deduct	-28.36	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0029	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	327.97		75.21
		<i>For &gt;50 To 100, Deduct</i>	-20.16		
		<i>For &gt;100, Deduct</i>	-28.36		
08 14 16 00-0030	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	347.39		78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.30		
		<i>For &gt;100, Deduct</i>	-29.99		
08 14 16 00-0031	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	356.65		78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.76		
		<i>For &gt;100, Deduct</i>	-30.68		
08 14 16 00-0032	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	358.28		78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.85		
		<i>For &gt;100, Deduct</i>	-30.80		
08 14 16 00-0033	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	366.74		82.05
		<i>For &gt;50 To 100, Deduct</i>	-22.44		
		<i>For &gt;100, Deduct</i>	-31.61		
08 14 16 00-0034	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	386.51		82.05
		<i>For &gt;50 To 100, Deduct</i>	-23.43		
		<i>For &gt;100, Deduct</i>	-33.09		
08 14 16 00-0035	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	407.59		85.47
		<i>For &gt;50 To 100, Deduct</i>	-24.65		
		<i>For &gt;100, Deduct</i>	-34.84		
08 14 16 00-0036	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	338.30		75.21
		<i>For &gt;50 To 100, Deduct</i>	-20.68		
		<i>For &gt;100, Deduct</i>	-29.13		
08 14 16 00-0037	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	338.30		75.21
		<i>For &gt;50 To 100, Deduct</i>	-20.68		
		<i>For &gt;100, Deduct</i>	-29.13		
08 14 16 00-0038	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	358.46		78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.85		
		<i>For &gt;100, Deduct</i>	-30.82		
08 14 16 00-0039	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	368.25		78.63
		<i>For &gt;50 To 100, Deduct</i>	-22.34		
		<i>For &gt;100, Deduct</i>	-31.55		
08 14 16 00-0040	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	369.97		78.63
		<i>For &gt;50 To 100, Deduct</i>	-22.43		
		<i>For &gt;100, Deduct</i>	-31.68		
08 14 16 00-0041	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	378.52		82.05
		<i>For &gt;50 To 100, Deduct</i>	-23.03		
		<i>For &gt;100, Deduct</i>	-32.49		
08 14 16 00-0042	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	399.44		82.05
		<i>For &gt;50 To 100, Deduct</i>	-24.07		
		<i>For &gt;100, Deduct</i>	-34.06		
08 14 16 00-0043	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	421.36		85.47
		<i>For &gt;50 To 100, Deduct</i>	-25.34		
		<i>For &gt;100, Deduct</i>	-35.88		
08 14 16 00-0044	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	374.94		75.21
		<i>For &gt;50 To 100, Deduct</i>	-22.51		
		<i>For &gt;100, Deduct</i>	-31.88		
08 14 16 00-0045	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	374.94		75.21
		<i>For &gt;50 To 100, Deduct</i>	-22.51		
		<i>For &gt;100, Deduct</i>	-31.88		
08 14 16 00-0046	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	397.69		78.63
		<i>For &gt;50 To 100, Deduct</i>	-23.82		
		<i>For &gt;100, Deduct</i>	-33.76		
08 14 16 00-0047	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	409.38		78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.40		
		<i>For &gt;100, Deduct</i>	-34.64		
08 14 16 00-0048	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	411.46		78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.50		
		<i>For &gt;100, Deduct</i>	-34.79		
08 14 16 00-0049	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	420.34		82.05
		<i>For &gt;50 To 100, Deduct</i>	-25.12		
		<i>For &gt;100, Deduct</i>	-35.63		
08 14 16 00-0050	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	445.35		82.05
		<i>For &gt;50 To 100, Deduct</i>	-26.37		
		<i>For &gt;100, Deduct</i>	-37.50		
08 14 16 00-0051	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	470.20		85.47
		<i>For &gt;50 To 100, Deduct</i>	-27.78		
		<i>For &gt;100, Deduct</i>	-39.54		
<b>08 14 16 00-0052</b>		<b>Maple Faced Wood Door</b> <small>(08 14 16 00-0001)</small>			
08 14 16 00-0053	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.44		75.21
		<i>For &gt;50 To 100, Deduct</i>	-20.18		
		<i>For &gt;100, Deduct</i>	-28.39		
08 14 16 00-0054	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	328.44		75.21
		<i>For &gt;50 To 100, Deduct</i>	-20.18		
		<i>For &gt;100, Deduct</i>	-28.39		
08 14 16 00-0055	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	347.88		78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.33		
		<i>For &gt;100, Deduct</i>	-30.02		
08 14 16 00-0056	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	357.18		78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.79		
		<i>For &gt;100, Deduct</i>	-30.72		
08 14 16 00-0057	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	358.81		78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.87		
		<i>For &gt;100, Deduct</i>	-30.84		
08 14 16 00-0058	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	367.28		82.05
		<i>For &gt;50 To 100, Deduct</i>	-22.47		
		<i>For &gt;100, Deduct</i>	-31.65		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 14 16 00-0059	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.09	82.05
		<i>For &gt;50 To 100, Deduct</i>	-23.46	
		<i>For &gt;100, Deduct</i>	-33.13	
08 14 16 00-0060	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	408.21	85.47
		<i>For &gt;50 To 100, Deduct</i>	-24.68	
		<i>For &gt;100, Deduct</i>	-34.89	
08 14 16 00-0061	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	338.78	75.21
		<i>For &gt;50 To 100, Deduct</i>	-20.70	
		<i>For &gt;100, Deduct</i>	-29.17	
08 14 16 00-0062	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	338.78	75.21
		<i>For &gt;50 To 100, Deduct</i>	-20.70	
		<i>For &gt;100, Deduct</i>	-29.17	
08 14 16 00-0063	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	358.99	78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.88	
		<i>For &gt;100, Deduct</i>	-30.86	
08 14 16 00-0064	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	368.80	78.63
		<i>For &gt;50 To 100, Deduct</i>	-22.37	
		<i>For &gt;100, Deduct</i>	-31.59	
08 14 16 00-0065	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	370.54	78.63
		<i>For &gt;50 To 100, Deduct</i>	-22.46	
		<i>For &gt;100, Deduct</i>	-31.72	
08 14 16 00-0066	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	379.08	82.05
		<i>For &gt;50 To 100, Deduct</i>	-23.06	
		<i>For &gt;100, Deduct</i>	-32.53	
08 14 16 00-0067	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.06	82.05
		<i>For &gt;50 To 100, Deduct</i>	-24.11	
		<i>For &gt;100, Deduct</i>	-34.11	
08 14 16 00-0068	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	422.02	85.47
		<i>For &gt;50 To 100, Deduct</i>	-25.37	
		<i>For &gt;100, Deduct</i>	-35.93	
08 14 16 00-0069	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	375.53	75.21
		<i>For &gt;50 To 100, Deduct</i>	-22.54	
		<i>For &gt;100, Deduct</i>	-31.93	
08 14 16 00-0070	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	375.53	75.21
		<i>For &gt;50 To 100, Deduct</i>	-22.54	
		<i>For &gt;100, Deduct</i>	-31.93	
08 14 16 00-0071	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	398.31	78.63
		<i>For &gt;50 To 100, Deduct</i>	-23.85	
		<i>For &gt;100, Deduct</i>	-33.81	
08 14 16 00-0072	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	410.03	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.43	
		<i>For &gt;100, Deduct</i>	-34.68	
08 14 16 00-0073	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	412.12	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.54	
		<i>For &gt;100, Deduct</i>	-34.84	
08 14 16 00-0074	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	421.01	82.05
		<i>For &gt;50 To 100, Deduct</i>	-25.15	
		<i>For &gt;100, Deduct</i>	-35.68	
08 14 16 00-0075	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	446.10	82.05
		<i>For &gt;50 To 100, Deduct</i>	-26.41	
		<i>For &gt;100, Deduct</i>	-37.56	
08 14 16 00-0076	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	470.98	85.47
		<i>For &gt;50 To 100, Deduct</i>	-27.82	
		<i>For &gt;100, Deduct</i>	-39.60	

**08 14 16 00-0077 Lauan Faced Wood Doors** (08 14 16 00-0001)

08 14 16 00-0078	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	241.61	75.21
		<i>For &gt;50 To 100, Deduct</i>	-15.84	
		<i>For &gt;100, Deduct</i>	-21.88	
08 14 16 00-0079	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	241.61	75.21
		<i>For &gt;50 To 100, Deduct</i>	-15.84	
		<i>For &gt;100, Deduct</i>	-21.88	
08 14 16 00-0080	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	254.63	78.63
		<i>For &gt;50 To 100, Deduct</i>	-16.66	
		<i>For &gt;100, Deduct</i>	-23.03	
08 14 16 00-0081	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	259.85	78.63
		<i>For &gt;50 To 100, Deduct</i>	-16.92	
		<i>For &gt;100, Deduct</i>	-23.42	
08 14 16 00-0082	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	261.69	78.63
		<i>For &gt;50 To 100, Deduct</i>	-17.02	
		<i>For &gt;100, Deduct</i>	-23.56	
08 14 16 00-0083	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	270.36	82.05
		<i>For &gt;50 To 100, Deduct</i>	-17.62	
		<i>For &gt;100, Deduct</i>	-24.38	
08 14 16 00-0084	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	280.52	82.05
		<i>For &gt;50 To 100, Deduct</i>	-18.13	
		<i>For &gt;100, Deduct</i>	-25.14	
08 14 16 00-0085	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	294.82	85.47
		<i>For &gt;50 To 100, Deduct</i>	-19.01	
		<i>For &gt;100, Deduct</i>	-26.39	
08 14 16 00-0086	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	246.91	75.21
		<i>For &gt;50 To 100, Deduct</i>	-16.11	
		<i>For &gt;100, Deduct</i>	-22.28	
08 14 16 00-0087	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	245.31	75.21
		<i>For &gt;50 To 100, Deduct</i>	-16.03	
		<i>For &gt;100, Deduct</i>	-22.16	
08 14 16 00-0088	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	260.30	78.63
		<i>For &gt;50 To 100, Deduct</i>	-16.95	
		<i>For &gt;100, Deduct</i>	-23.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0089	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.81 -17.22 -23.87	78.63
08 14 16 00-0090	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.94 -17.23 -23.88	78.63
08 14 16 00-0091	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	276.54 -17.93 -24.84	82.05
08 14 16 00-0092	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	287.29 -18.47 -25.65	82.05
08 14 16 00-0093	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	299.85 -19.27 -26.76	85.47
08 14 16 00-0094	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.74 -17.05 -23.69	75.21
08 14 16 00-0095	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.71 -17.05 -23.69	75.21
08 14 16 00-0096	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	280.39 -17.95 -24.96	78.63
08 14 16 00-0097	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	286.97 -18.28 -25.45	78.63
08 14 16 00-0098	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	289.31 -18.40 -25.63	78.63
08 14 16 00-0099	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	298.46 -19.03 -26.49	82.05
08 14 16 00-0100	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	311.32 -19.67 -27.45	82.05
08 14 16 00-0101	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	327.56 -20.65 -28.84	85.47
<b>08 14 16 00-0102 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0001)</b>					
08 14 16 00-0103	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	257.88 -16.65 -23.10	75.21
08 14 16 00-0104	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	257.88 -16.65 -23.10	75.21
08 14 16 00-0105	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	272.56 -17.56 -24.37	78.63
08 14 16 00-0106	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	276.26 -17.74 -24.65	78.63
08 14 16 00-0107	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	279.99 -17.93 -24.93	78.63
08 14 16 00-0108	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	290.52 -18.63 -25.89	82.05
08 14 16 00-0109	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	304.43 -19.32 -26.93	82.05
08 14 16 00-0110	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	320.24 -20.29 -28.29	85.47
08 14 16 00-0111	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	264.12 -16.97 -23.57	75.21
08 14 16 00-0112	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	264.13 -16.97 -23.57	75.21
08 14 16 00-0113	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	279.26 -17.89 -24.88	78.63
08 14 16 00-0114	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	283.19 -18.09 -25.17	78.63
08 14 16 00-0115	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	287.13 -18.29 -25.47	78.63
08 14 16 00-0116	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	297.89 -19.00 -26.44	82.05
08 14 16 00-0117	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	312.60 -19.73 -27.55	82.05
08 14 16 00-0118	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	328.94 -20.72 -28.94	85.47



**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0119	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	286.28	75.21
		<i>For &gt;50 To 100, Deduct</i>	-18.07	
		<i>For &gt;100, Deduct</i>	-25.23	
08 14 16 00-0120	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	286.31	75.21
		<i>For &gt;50 To 100, Deduct</i>	-18.08	
		<i>For &gt;100, Deduct</i>	-25.23	
08 14 16 00-0121	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	303.04	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.08	
		<i>For &gt;100, Deduct</i>	-26.66	
08 14 16 00-0122	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	307.76	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.32	
		<i>For &gt;100, Deduct</i>	-27.01	
08 14 16 00-0123	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	312.47	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.56	
		<i>For &gt;100, Deduct</i>	-27.37	
08 14 16 00-0124	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	323.99	82.05
		<i>For &gt;50 To 100, Deduct</i>	-20.30	
		<i>For &gt;100, Deduct</i>	-28.40	
08 14 16 00-0125	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	341.57	82.05
		<i>For &gt;50 To 100, Deduct</i>	-21.18	
		<i>For &gt;100, Deduct</i>	-29.72	
08 14 16 00-0126	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	359.75	85.47
		<i>For &gt;50 To 100, Deduct</i>	-22.26	
		<i>For &gt;100, Deduct</i>	-31.25	

**08 14 16 00-0127 1-3/4" Thick, Hollow Core (HC), Wood Doors** (08 14 16)**08 14 16 00-0128 Birch Faced Wood Doors** (08 14 16 00-0127)

08 14 16 00-0129	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	300.33	75.21
		<i>For &gt;50 To 100, Deduct</i>	-18.78	
		<i>For &gt;100, Deduct</i>	-26.29	
08 14 16 00-0130	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	300.33	75.21
		<i>For &gt;50 To 100, Deduct</i>	-18.78	
		<i>For &gt;100, Deduct</i>	-26.29	
08 14 16 00-0131	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	312.82	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.57	
		<i>For &gt;100, Deduct</i>	-27.39	
08 14 16 00-0132	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	314.93	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.68	
		<i>For &gt;100, Deduct</i>	-27.55	
08 14 16 00-0133	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	319.54	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.91	
		<i>For &gt;100, Deduct</i>	-27.90	
08 14 16 00-0134	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	330.98	82.05
		<i>For &gt;50 To 100, Deduct</i>	-20.65	
		<i>For &gt;100, Deduct</i>	-28.93	
08 14 16 00-0135	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	355.45	82.05
		<i>For &gt;50 To 100, Deduct</i>	-21.88	
		<i>For &gt;100, Deduct</i>	-30.76	
08 14 16 00-0136	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	411.95	85.47
		<i>For &gt;50 To 100, Deduct</i>	-24.87	
		<i>For &gt;100, Deduct</i>	-35.17	
08 14 16 00-0137	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	424.00	85.47
		<i>For &gt;50 To 100, Deduct</i>	-25.47	
		<i>For &gt;100, Deduct</i>	-36.07	
08 14 16 00-0138	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	448.10	85.47
		<i>For &gt;50 To 100, Deduct</i>	-26.68	
		<i>For &gt;100, Deduct</i>	-37.88	
08 14 16 00-0139	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	309.06	75.21
		<i>For &gt;50 To 100, Deduct</i>	-19.21	
		<i>For &gt;100, Deduct</i>	-26.94	
08 14 16 00-0140	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	309.06	75.21
		<i>For &gt;50 To 100, Deduct</i>	-19.21	
		<i>For &gt;100, Deduct</i>	-26.94	
08 14 16 00-0141	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	321.87	78.63
		<i>For &gt;50 To 100, Deduct</i>	-20.03	
		<i>For &gt;100, Deduct</i>	-28.07	
08 14 16 00-0142	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	324.11	78.63
		<i>For &gt;50 To 100, Deduct</i>	-20.14	
		<i>For &gt;100, Deduct</i>	-28.24	
08 14 16 00-0143	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	328.99	78.63
		<i>For &gt;50 To 100, Deduct</i>	-20.38	
		<i>For &gt;100, Deduct</i>	-28.61	
08 14 16 00-0144	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	340.68	82.05
		<i>For &gt;50 To 100, Deduct</i>	-21.14	
		<i>For &gt;100, Deduct</i>	-29.65	
08 14 16 00-0145	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	366.59	82.05
		<i>For &gt;50 To 100, Deduct</i>	-22.43	
		<i>For &gt;100, Deduct</i>	-31.60	
08 14 16 00-0146	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	425.99	85.47
		<i>For &gt;50 To 100, Deduct</i>	-25.57	
		<i>For &gt;100, Deduct</i>	-36.22	
08 14 16 00-0147	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	438.73	85.47
		<i>For &gt;50 To 100, Deduct</i>	-26.21	
		<i>For &gt;100, Deduct</i>	-37.18	
08 14 16 00-0148	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door	464.24	85.47
		<i>For &gt;50 To 100, Deduct</i>	-27.49	
		<i>For &gt;100, Deduct</i>	-39.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0149	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	340.00 -20.76 -29.26	75.21
08 14 16 00-0150	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	340.00 -20.76 -29.26	75.21
08 14 16 00-0151	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	353.98 -21.63 -30.48	78.63
08 14 16 00-0152	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	356.63 -21.76 -30.68	78.63
08 14 16 00-0153	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	362.48 -22.06 -31.12	78.63
08 14 16 00-0154	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	375.11 -22.86 -32.24	82.05
08 14 16 00-0155	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	406.08 -24.41 -34.56	82.05
08 14 16 00-0156	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	475.72 -28.06 -39.95	85.47
08 14 16 00-0157	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	490.94 -28.82 -41.09	85.47
08 14 16 00-0158	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Birch Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	521.44 -30.35 -43.38	85.47
<b>08 14 16 00-0159 Oak Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>					
08 14 16 00-0160	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	386.52 -23.09 -32.75	75.21
08 14 16 00-0161	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	386.52 -23.09 -32.75	75.21
08 14 16 00-0162	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	402.23 -24.04 -34.10	78.63
08 14 16 00-0163	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	405.55 -24.21 -34.35	78.63
08 14 16 00-0164	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	412.82 -24.57 -34.89	78.63
08 14 16 00-0165	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	426.89 -25.45 -36.12	82.05
08 14 16 00-0166	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	465.44 -27.37 -39.01	82.05
08 14 16 00-0167	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	550.50 -31.80 -45.56	85.47
08 14 16 00-0168	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	569.49 -32.75 -46.99	85.47
08 14 16 00-0169	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	607.47 -34.65 -49.83	85.47
08 14 16 00-0170	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	400.25 -23.77 -33.78	75.21
08 14 16 00-0171	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	400.26 -23.77 -33.78	75.21
08 14 16 00-0172	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	416.48 -24.76 -35.17	78.63
08 14 16 00-0173	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	420.00 -24.93 -35.43	78.63
08 14 16 00-0174	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	427.69 -25.32 -36.01	78.63
08 14 16 00-0175	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	442.19 -26.21 -37.27	82.05
08 14 16 00-0176	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	482.98 -28.25 -40.33	82.05
08 14 16 00-0177	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	572.59 -32.90 -47.22	85.47
08 14 16 00-0178	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	592.70 -33.91 -48.73	85.47

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0179	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	632.88	85.47
		<i>For &gt;50 To 100, Deduct</i>	-35.92	
		<i>For &gt;100, Deduct</i>	-51.74	
08 14 16 00-0180	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	448.95	75.21
		<i>For &gt;50 To 100, Deduct</i>	-26.21	
		<i>For &gt;100, Deduct</i>	-37.43	
08 14 16 00-0181	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	448.98	75.21
		<i>For &gt;50 To 100, Deduct</i>	-26.21	
		<i>For &gt;100, Deduct</i>	-37.43	
08 14 16 00-0182	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	467.04	78.63
		<i>For &gt;50 To 100, Deduct</i>	-27.28	
		<i>For &gt;100, Deduct</i>	-38.96	
08 14 16 00-0183	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	471.22	78.63
		<i>For &gt;50 To 100, Deduct</i>	-27.49	
		<i>For &gt;100, Deduct</i>	-39.27	
08 14 16 00-0184	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	480.42	78.63
		<i>For &gt;50 To 100, Deduct</i>	-27.95	
		<i>For &gt;100, Deduct</i>	-39.96	
08 14 16 00-0185	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	496.42	82.05
		<i>For &gt;50 To 100, Deduct</i>	-28.92	
		<i>For &gt;100, Deduct</i>	-41.33	
08 14 16 00-0186	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	545.17	82.05
		<i>For &gt;50 To 100, Deduct</i>	-31.36	
		<i>For &gt;100, Deduct</i>	-44.99	
08 14 16 00-0187	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	650.92	85.47
		<i>For &gt;50 To 100, Deduct</i>	-36.82	
		<i>For &gt;100, Deduct</i>	-53.09	
08 14 16 00-0188	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	674.95	85.47
		<i>For &gt;50 To 100, Deduct</i>	-38.02	
		<i>For &gt;100, Deduct</i>	-54.89	
08 14 16 00-0189	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Oak Faced Wood Door	722.97	85.47
		<i>For &gt;50 To 100, Deduct</i>	-40.42	
		<i>For &gt;100, Deduct</i>	-58.50	

**08 14 16 00-0190 Maple Faced Wood Doors** (08 14 16 00-0127)

08 14 16 00-0191	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.13	75.21
		<i>For &gt;50 To 100, Deduct</i>	-23.12	
		<i>For &gt;100, Deduct</i>	-32.80	
08 14 16 00-0192	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	387.13	75.21
		<i>For &gt;50 To 100, Deduct</i>	-23.12	
		<i>For &gt;100, Deduct</i>	-32.80	
08 14 16 00-0193	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	402.87	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.08	
		<i>For &gt;100, Deduct</i>	-34.15	
08 14 16 00-0194	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	406.34	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.25	
		<i>For &gt;100, Deduct</i>	-34.41	
08 14 16 00-0195	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	413.56	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.61	
		<i>For &gt;100, Deduct</i>	-34.95	
08 14 16 00-0196	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	427.58	82.05
		<i>For &gt;50 To 100, Deduct</i>	-25.48	
		<i>For &gt;100, Deduct</i>	-36.17	
08 14 16 00-0197	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	466.23	82.05
		<i>For &gt;50 To 100, Deduct</i>	-27.41	
		<i>For &gt;100, Deduct</i>	-39.07	
08 14 16 00-0198	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	532.57	85.47
		<i>For &gt;50 To 100, Deduct</i>	-30.90	
		<i>For &gt;100, Deduct</i>	-44.22	
08 14 16 00-0199	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	570.53	85.47
		<i>For &gt;50 To 100, Deduct</i>	-32.80	
		<i>For &gt;100, Deduct</i>	-47.06	
08 14 16 00-0200	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	608.61	85.47
		<i>For &gt;50 To 100, Deduct</i>	-34.70	
		<i>For &gt;100, Deduct</i>	-49.92	
08 14 16 00-0201	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.91	75.21
		<i>For &gt;50 To 100, Deduct</i>	-23.81	
		<i>For &gt;100, Deduct</i>	-33.83	
08 14 16 00-0202	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	400.91	75.21
		<i>For &gt;50 To 100, Deduct</i>	-23.81	
		<i>For &gt;100, Deduct</i>	-33.83	
08 14 16 00-0203	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	417.15	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.79	
		<i>For &gt;100, Deduct</i>	-35.22	
08 14 16 00-0204	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	420.84	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.97	
		<i>For &gt;100, Deduct</i>	-35.49	
08 14 16 00-0205	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	428.46	78.63
		<i>For &gt;50 To 100, Deduct</i>	-25.35	
		<i>For &gt;100, Deduct</i>	-36.07	
08 14 16 00-0206	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	442.90	82.05
		<i>For &gt;50 To 100, Deduct</i>	-26.25	
		<i>For &gt;100, Deduct</i>	-37.32	
08 14 16 00-0207	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	483.81	82.05
		<i>For &gt;50 To 100, Deduct</i>	-28.29	
		<i>For &gt;100, Deduct</i>	-40.39	
08 14 16 00-0208	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door	553.52	85.47
		<i>For &gt;50 To 100, Deduct</i>	-31.95	
		<i>For &gt;100, Deduct</i>	-45.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0209	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	593.81	85.47
			<i>For &gt;50 To 100, Deduct</i>	-33.96	
			<i>For &gt;100, Deduct</i>	-48.81	
08 14 16 00-0210	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	634.07	85.47
			<i>For &gt;50 To 100, Deduct</i>	-35.98	
			<i>For &gt;100, Deduct</i>	-51.83	
08 14 16 00-0211	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	449.76	75.21
			<i>For &gt;50 To 100, Deduct</i>	-26.25	
			<i>For &gt;100, Deduct</i>	-37.49	
08 14 16 00-0212	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	449.76	75.21
			<i>For &gt;50 To 100, Deduct</i>	-26.25	
			<i>For &gt;100, Deduct</i>	-37.49	
08 14 16 00-0213	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	467.83	78.63
			<i>For &gt;50 To 100, Deduct</i>	-27.32	
			<i>For &gt;100, Deduct</i>	-39.02	
08 14 16 00-0214	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	472.24	78.63
			<i>For &gt;50 To 100, Deduct</i>	-27.54	
			<i>For &gt;100, Deduct</i>	-39.35	
08 14 16 00-0215	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	481.31	78.63
			<i>For &gt;50 To 100, Deduct</i>	-28.00	
			<i>For &gt;100, Deduct</i>	-40.03	
08 14 16 00-0216	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	497.27	82.05
			<i>For &gt;50 To 100, Deduct</i>	-28.97	
			<i>For &gt;100, Deduct</i>	-41.40	
08 14 16 00-0217	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	546.14	82.05
			<i>For &gt;50 To 100, Deduct</i>	-31.41	
			<i>For &gt;100, Deduct</i>	-45.06	
08 14 16 00-0218	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	628.15	85.47
			<i>For &gt;50 To 100, Deduct</i>	-35.68	
			<i>For &gt;100, Deduct</i>	-51.38	
08 14 16 00-0219	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	676.27	85.47
			<i>For &gt;50 To 100, Deduct</i>	-38.09	
			<i>For &gt;100, Deduct</i>	-54.99	
08 14 16 00-0220	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Maple Faced Wood Door.....	724.42	85.47
			<i>For &gt;50 To 100, Deduct</i>	-40.49	
			<i>For &gt;100, Deduct</i>	-58.61	
<b>08 14 16 00-0221 Lauan Faced Wood Doors</b> <small>(08 14 16 00-0127)</small>					
08 14 16 00-0222	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	266.27	75.21
			<i>For &gt;50 To 100, Deduct</i>	-17.07	
			<i>For &gt;100, Deduct</i>	-23.73	
08 14 16 00-0223	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	266.27	75.21
			<i>For &gt;50 To 100, Deduct</i>	-17.07	
			<i>For &gt;100, Deduct</i>	-23.73	
08 14 16 00-0224	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	281.07	78.63
			<i>For &gt;50 To 100, Deduct</i>	-17.99	
			<i>For &gt;100, Deduct</i>	-25.01	
08 14 16 00-0225	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	287.55	78.63
			<i>For &gt;50 To 100, Deduct</i>	-18.31	
			<i>For &gt;100, Deduct</i>	-25.50	
08 14 16 00-0226	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	288.84	78.63
			<i>For &gt;50 To 100, Deduct</i>	-18.37	
			<i>For &gt;100, Deduct</i>	-25.59	
08 14 16 00-0227	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	296.95	82.05
			<i>For &gt;50 To 100, Deduct</i>	-18.95	
			<i>For &gt;100, Deduct</i>	-26.37	
08 14 16 00-0228	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	311.55	82.05
			<i>For &gt;50 To 100, Deduct</i>	-19.68	
			<i>For &gt;100, Deduct</i>	-27.47	
08 14 16 00-0229	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	337.22	85.47
			<i>For &gt;50 To 100, Deduct</i>	-21.13	
			<i>For &gt;100, Deduct</i>	-29.57	
08 14 16 00-0230	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	345.51	85.47
			<i>For &gt;50 To 100, Deduct</i>	-21.55	
			<i>For &gt;100, Deduct</i>	-30.19	
08 14 16 00-0231	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	362.15	85.47
			<i>For &gt;50 To 100, Deduct</i>	-22.38	
			<i>For &gt;100, Deduct</i>	-31.43	
08 14 16 00-0232	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	273.00	75.21
			<i>For &gt;50 To 100, Deduct</i>	-17.41	
			<i>For &gt;100, Deduct</i>	-24.24	
08 14 16 00-0233	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	273.00	75.21
			<i>For &gt;50 To 100, Deduct</i>	-17.41	
			<i>For &gt;100, Deduct</i>	-24.24	
08 14 16 00-0234	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	288.28	78.63
			<i>For &gt;50 To 100, Deduct</i>	-18.35	
			<i>For &gt;100, Deduct</i>	-25.55	
08 14 16 00-0235	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	295.14	78.63
			<i>For &gt;50 To 100, Deduct</i>	-18.69	
			<i>For &gt;100, Deduct</i>	-26.07	
08 14 16 00-0236	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	296.50	78.63
			<i>For &gt;50 To 100, Deduct</i>	-18.76	
			<i>For &gt;100, Deduct</i>	-26.17	
08 14 16 00-0237	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	304.68	82.05
			<i>For &gt;50 To 100, Deduct</i>	-19.34	
			<i>For &gt;100, Deduct</i>	-26.95	
08 14 16 00-0238	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door.....	320.14	82.05
			<i>For &gt;50 To 100, Deduct</i>	-20.11	
			<i>For &gt;100, Deduct</i>	-28.11	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 14 16 00-0239	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	346.88	85.47
		<i>For &gt;50 To 100, Deduct</i>	-21.62	
		<i>For &gt;100, Deduct</i>	-30.29	
08 14 16 00-0240	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	355.67	85.47
		<i>For &gt;50 To 100, Deduct</i>	-22.06	
		<i>For &gt;100, Deduct</i>	-30.95	
08 14 16 00-0241	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	373.27	85.47
		<i>For &gt;50 To 100, Deduct</i>	-22.94	
		<i>For &gt;100, Deduct</i>	-32.27	
08 14 16 00-0242	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	296.89	75.21
		<i>For &gt;50 To 100, Deduct</i>	-18.61	
		<i>For &gt;100, Deduct</i>	-26.03	
08 14 16 00-0243	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	296.89	75.21
		<i>For &gt;50 To 100, Deduct</i>	-18.61	
		<i>For &gt;100, Deduct</i>	-26.03	
08 14 16 00-0244	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	313.82	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.62	
		<i>For &gt;100, Deduct</i>	-27.47	
08 14 16 00-0245	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	322.01	78.63
		<i>For &gt;50 To 100, Deduct</i>	-20.03	
		<i>For &gt;100, Deduct</i>	-28.08	
08 14 16 00-0246	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	323.65	78.63
		<i>For &gt;50 To 100, Deduct</i>	-20.11	
		<i>For &gt;100, Deduct</i>	-28.21	
08 14 16 00-0247	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	332.09	82.05
		<i>For &gt;50 To 100, Deduct</i>	-20.71	
		<i>For &gt;100, Deduct</i>	-29.01	
08 14 16 00-0248	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	350.57	82.05
		<i>For &gt;50 To 100, Deduct</i>	-21.63	
		<i>For &gt;100, Deduct</i>	-30.40	
08 14 16 00-0249	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	381.18	85.47
		<i>For &gt;50 To 100, Deduct</i>	-23.33	
		<i>For &gt;100, Deduct</i>	-32.86	
08 14 16 00-0250	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	391.70	85.47
		<i>For &gt;50 To 100, Deduct</i>	-23.86	
		<i>For &gt;100, Deduct</i>	-33.65	
08 14 16 00-0251	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), Lauan Faced Wood Door	412.72	85.47
		<i>For &gt;50 To 100, Deduct</i>	-24.91	
		<i>For &gt;100, Deduct</i>	-35.23	

**08 14 16 00-0252 Medium Density Overlay (MDO) Faced Wood Doors** (08 14 16 00-0127)

08 14 16 00-0253	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	284.29	75.21
		<i>For &gt;50 To 100, Deduct</i>	-17.98	
		<i>For &gt;100, Deduct</i>	-25.08	
08 14 16 00-0254	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	284.31	75.21
		<i>For &gt;50 To 100, Deduct</i>	-17.98	
		<i>For &gt;100, Deduct</i>	-25.08	
08 14 16 00-0255	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	294.86	78.63
		<i>For &gt;50 To 100, Deduct</i>	-18.67	
		<i>For &gt;100, Deduct</i>	-26.05	
08 14 16 00-0256	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.32	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.05	
		<i>For &gt;100, Deduct</i>	-26.61	
08 14 16 00-0257	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	306.05	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.23	
		<i>For &gt;100, Deduct</i>	-26.89	
08 14 16 00-0258	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	316.55	82.05
		<i>For &gt;50 To 100, Deduct</i>	-19.93	
		<i>For &gt;100, Deduct</i>	-27.84	
08 14 16 00-0259	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	325.06	82.05
		<i>For &gt;50 To 100, Deduct</i>	-20.36	
		<i>For &gt;100, Deduct</i>	-28.48	
08 14 16 00-0260	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	359.55	85.47
		<i>For &gt;50 To 100, Deduct</i>	-22.25	
		<i>For &gt;100, Deduct</i>	-31.24	
08 14 16 00-0261	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	368.98	85.47
		<i>For &gt;50 To 100, Deduct</i>	-22.72	
		<i>For &gt;100, Deduct</i>	-31.95	
08 14 16 00-0262	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	387.86	85.47
		<i>For &gt;50 To 100, Deduct</i>	-23.67	
		<i>For &gt;100, Deduct</i>	-33.36	
08 14 16 00-0263	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	292.09	75.21
		<i>For &gt;50 To 100, Deduct</i>	-18.37	
		<i>For &gt;100, Deduct</i>	-25.67	
08 14 16 00-0264	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	292.09	75.21
		<i>For &gt;50 To 100, Deduct</i>	-18.37	
		<i>For &gt;100, Deduct</i>	-25.67	
08 14 16 00-0265	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	302.86	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.07	
		<i>For &gt;100, Deduct</i>	-26.65	
08 14 16 00-0266	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	310.75	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.47	
		<i>For &gt;100, Deduct</i>	-27.24	
08 14 16 00-0267	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	314.70	78.63
		<i>For &gt;50 To 100, Deduct</i>	-19.67	
		<i>For &gt;100, Deduct</i>	-27.53	
08 14 16 00-0268	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door	325.44	82.05
		<i>For &gt;50 To 100, Deduct</i>	-20.37	
		<i>For &gt;100, Deduct</i>	-28.51	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 14 16 00-0269	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	334.43	82.05
		<i>For &gt;50 To 100, Deduct</i>	-20.82	
		<i>For &gt;100, Deduct</i>	-29.18	
08 14 16 00-0270	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	370.54	85.47
		<i>For &gt;50 To 100, Deduct</i>	-22.80	
		<i>For &gt;100, Deduct</i>	-32.06	
08 14 16 00-0271	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	380.52	85.47
		<i>For &gt;50 To 100, Deduct</i>	-23.30	
		<i>For &gt;100, Deduct</i>	-32.81	
08 14 16 00-0272	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	400.47	85.47
		<i>For &gt;50 To 100, Deduct</i>	-24.30	
		<i>For &gt;100, Deduct</i>	-34.31	
08 14 16 00-0273	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	319.72	75.21
		<i>For &gt;50 To 100, Deduct</i>	-19.75	
		<i>For &gt;100, Deduct</i>	-27.74	
08 14 16 00-0274	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	319.72	75.21
		<i>For &gt;50 To 100, Deduct</i>	-19.75	
		<i>For &gt;100, Deduct</i>	-27.74	
08 14 16 00-0275	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	331.24	78.63
		<i>For &gt;50 To 100, Deduct</i>	-20.49	
		<i>For &gt;100, Deduct</i>	-28.77	
08 14 16 00-0276	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	340.67	78.63
		<i>For &gt;50 To 100, Deduct</i>	-20.97	
		<i>For &gt;100, Deduct</i>	-29.48	
08 14 16 00-0277	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	345.39	78.63
		<i>For &gt;50 To 100, Deduct</i>	-21.20	
		<i>For &gt;100, Deduct</i>	-29.84	
08 14 16 00-0278	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	356.90	82.05
		<i>For &gt;50 To 100, Deduct</i>	-21.95	
		<i>For &gt;100, Deduct</i>	-30.87	
08 14 16 00-0279	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	367.66	82.05
		<i>For &gt;50 To 100, Deduct</i>	-22.49	
		<i>For &gt;100, Deduct</i>	-31.68	
08 14 16 00-0280	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	409.47	85.47
		<i>For &gt;50 To 100, Deduct</i>	-24.75	
		<i>For &gt;100, Deduct</i>	-34.98	
08 14 16 00-0281	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	421.38	85.47
		<i>For &gt;50 To 100, Deduct</i>	-25.34	
		<i>For &gt;100, Deduct</i>	-35.88	
08 14 16 00-0282	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Hollow Core (HC), Medium Density Overlay (MDO) Faced Wood Door.....	445.25	85.47
		<i>For &gt;50 To 100, Deduct</i>	-26.54	
		<i>For &gt;100, Deduct</i>	-37.67	
<b>08 14 16 00-0283</b>		<b>1-3/8" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small>		
		Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
<b>08 14 16 00-0284</b>		<b>Birch Faced Wood Doors</b> <small>(08 14 16 00-0283)</small>		
08 14 16 00-0285	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	306.00	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.11	
		<i>For Stave Lumber Core (SLC), Add</i>	116.68	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.01	
		<i>For &gt;50 To 100, Deduct</i>	-19.06	
		<i>For &gt;100, Deduct</i>	-26.71	
08 14 16 00-0286	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	306.03	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.11	
		<i>For Stave Lumber Core (SLC), Add</i>	116.70	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	70.02	
		<i>For &gt;50 To 100, Deduct</i>	-19.06	
		<i>For &gt;100, Deduct</i>	-26.71	
08 14 16 00-0287	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	321.02	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.28	
		<i>For Stave Lumber Core (SLC), Add</i>	122.81	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	73.69	
		<i>For &gt;50 To 100, Deduct</i>	-19.98	
		<i>For &gt;100, Deduct</i>	-28.01	
08 14 16 00-0288	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	329.18	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.44	
		<i>For Stave Lumber Core (SLC), Add</i>	128.93	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.36	
		<i>For &gt;50 To 100, Deduct</i>	-20.39	
		<i>For &gt;100, Deduct</i>	-28.62	
08 14 16 00-0289	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	334.16	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.54	
		<i>For Stave Lumber Core (SLC), Add</i>	132.67	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	79.60	
		<i>For &gt;50 To 100, Deduct</i>	-20.64	
		<i>For &gt;100, Deduct</i>	-28.99	
08 14 16 00-0290	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	345.99	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.64	
		<i>For Stave Lumber Core (SLC), Add</i>	136.42	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.85	
		<i>For &gt;50 To 100, Deduct</i>	-21.40	
		<i>For &gt;100, Deduct</i>	-30.05	
08 14 16 00-0291	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	365.94	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.04	
		<i>For Stave Lumber Core (SLC), Add</i>	151.38	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	90.83	
		<i>For &gt;50 To 100, Deduct</i>	-22.40	
		<i>For &gt;100, Deduct</i>	-31.55	



## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0292	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	385.69	85.47
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.30	
			<i>For Stave Lumber Core (SLC), Add</i>	161.06	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.64	
			<i>For &gt;50 To 100, Deduct</i>	-23.56	
			<i>For &gt;100, Deduct</i>	-33.20	
08 14 16 00-0293	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	315.06	75.21
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.29	
			<i>For Stave Lumber Core (SLC), Add</i>	123.47	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	74.08	
			<i>For &gt;50 To 100, Deduct</i>	-19.51	
			<i>For &gt;100, Deduct</i>	-27.39	
08 14 16 00-0294	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	315.07	75.21
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.29	
			<i>For Stave Lumber Core (SLC), Add</i>	123.48	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	74.09	
			<i>For &gt;50 To 100, Deduct</i>	-19.51	
			<i>For &gt;100, Deduct</i>	-27.39	
08 14 16 00-0295	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	330.55	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.47	
			<i>For Stave Lumber Core (SLC), Add</i>	129.96	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	77.98	
			<i>For &gt;50 To 100, Deduct</i>	-20.46	
			<i>For &gt;100, Deduct</i>	-28.72	
08 14 16 00-0296	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	339.20	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.64	
			<i>For Stave Lumber Core (SLC), Add</i>	136.45	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	81.87	
			<i>For &gt;50 To 100, Deduct</i>	-20.89	
			<i>For &gt;100, Deduct</i>	-29.37	
08 14 16 00-0297	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	344.46	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.74	
			<i>For Stave Lumber Core (SLC), Add</i>	140.39	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	84.24	
			<i>For &gt;50 To 100, Deduct</i>	-21.15	
			<i>For &gt;100, Deduct</i>	-29.77	
08 14 16 00-0298	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	356.57	82.05
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.85	
			<i>For Stave Lumber Core (SLC), Add</i>	144.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	86.61	
			<i>For &gt;50 To 100, Deduct</i>	-21.93	
			<i>For &gt;100, Deduct</i>	-30.85	
08 14 16 00-0299	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	377.70	82.05
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.27	
			<i>For Stave Lumber Core (SLC), Add</i>	160.20	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	96.12	
			<i>For &gt;50 To 100, Deduct</i>	-22.99	
			<i>For &gt;100, Deduct</i>	-32.43	
08 14 16 00-0300	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	398.19	85.47
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.55	
			<i>For Stave Lumber Core (SLC), Add</i>	170.44	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	102.26	
			<i>For &gt;50 To 100, Deduct</i>	-24.18	
			<i>For &gt;100, Deduct</i>	-34.14	
08 14 16 00-0301	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	347.17	75.21
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.93	
			<i>For Stave Lumber Core (SLC), Add</i>	147.56	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	88.53	
			<i>For &gt;50 To 100, Deduct</i>	-21.12	
			<i>For &gt;100, Deduct</i>	-29.80	
08 14 16 00-0302	EA		2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	347.17	75.21
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-3.93	
			<i>For Stave Lumber Core (SLC), Add</i>	147.56	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	88.53	
			<i>For &gt;50 To 100, Deduct</i>	-21.12	
			<i>For &gt;100, Deduct</i>	-29.80	
08 14 16 00-0303	EA		2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	364.34	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.14	
			<i>For Stave Lumber Core (SLC), Add</i>	155.30	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	93.18	
			<i>For &gt;50 To 100, Deduct</i>	-22.15	
			<i>For &gt;100, Deduct</i>	-31.26	
08 14 16 00-0304	EA		2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	374.67	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.35	
			<i>For Stave Lumber Core (SLC), Add</i>	163.05	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.83	
			<i>For &gt;50 To 100, Deduct</i>	-22.67	
			<i>For &gt;100, Deduct</i>	-32.03	
08 14 16 00-0305	EA		2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	380.96	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.47	
			<i>For Stave Lumber Core (SLC), Add</i>	167.77	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	100.66	
			<i>For &gt;50 To 100, Deduct</i>	-22.98	
			<i>For &gt;100, Deduct</i>	-32.50	
08 14 16 00-0306	EA		3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door .....	394.11	82.05
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.60	
			<i>For Stave Lumber Core (SLC), Add</i>	172.51	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.50	
			<i>For &gt;50 To 100, Deduct</i>	-23.81	
			<i>For &gt;100, Deduct</i>	-33.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 16 00-0307	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	419.34	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-5.10	
		<i>For Stave Lumber Core (SLC), Add</i>		191.43	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		114.86	
		<i>For &gt;50 To 100, Deduct</i>		-25.07	
		<i>For &gt;100, Deduct</i>		-35.55	
08 14 16 00-0308	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	.....	442.50	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-5.43	
		<i>For Stave Lumber Core (SLC), Add</i>		203.67	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		122.20	
		<i>For &gt;50 To 100, Deduct</i>		-26.40	
		<i>For &gt;100, Deduct</i>		-37.46	

**08 14 16 00-0309 Oak Faced Wood Doors** (08 14 16 00-0283)

08 14 16 00-0310	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	422.68	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-5.45	
		<i>For Stave Lumber Core (SLC), Add</i>		204.19	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		122.51	
		<i>For &gt;50 To 100, Deduct</i>		-24.89	
		<i>For &gt;100, Deduct</i>		-35.46	
08 14 16 00-0311	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	422.68	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-5.45	
		<i>For Stave Lumber Core (SLC), Add</i>		204.19	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		122.51	
		<i>For &gt;50 To 100, Deduct</i>		-24.89	
		<i>For &gt;100, Deduct</i>		-35.46	
08 14 16 00-0312	EA	2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	443.85	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-5.73	
		<i>For Stave Lumber Core (SLC), Add</i>		214.94	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		128.96	
		<i>For &gt;50 To 100, Deduct</i>		-26.12	
		<i>For &gt;100, Deduct</i>		-37.22	
08 14 16 00-0313	EA	2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	458.14	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-6.02	
		<i>For Stave Lumber Core (SLC), Add</i>		225.65	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		135.39	
		<i>For &gt;50 To 100, Deduct</i>		-26.84	
		<i>For &gt;100, Deduct</i>		-38.29	
08 14 16 00-0314	EA	2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	466.84	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-6.19	
		<i>For Stave Lumber Core (SLC), Add</i>		232.18	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		139.31	
		<i>For &gt;50 To 100, Deduct</i>		-27.27	
		<i>For &gt;100, Deduct</i>		-38.94	
08 14 16 00-0315	EA	3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	482.41	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-6.37	
		<i>For Stave Lumber Core (SLC), Add</i>		238.73	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		143.24	
		<i>For &gt;50 To 100, Deduct</i>		-28.22	
		<i>For &gt;100, Deduct</i>		-40.28	
08 14 16 00-0316	EA	3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	517.34	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-7.06	
		<i>For Stave Lumber Core (SLC), Add</i>		264.93	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		158.96	
		<i>For &gt;50 To 100, Deduct</i>		-29.97	
		<i>For &gt;100, Deduct</i>		-42.90	
08 14 16 00-0317	EA	3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	546.75	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-7.52	
		<i>For Stave Lumber Core (SLC), Add</i>		281.86	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		169.11	
		<i>For &gt;50 To 100, Deduct</i>		-31.61	
		<i>For &gt;100, Deduct</i>		-45.28	
08 14 16 00-0318	EA	2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	438.51	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-5.76	
		<i>For Stave Lumber Core (SLC), Add</i>		216.06	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		129.64	
		<i>For &gt;50 To 100, Deduct</i>		-25.69	
		<i>For &gt;100, Deduct</i>		-36.65	
08 14 16 00-0319	EA	2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	438.51	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-5.76	
		<i>For Stave Lumber Core (SLC), Add</i>		216.06	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		129.64	
		<i>For &gt;50 To 100, Deduct</i>		-25.69	
		<i>For &gt;100, Deduct</i>		-36.65	
08 14 16 00-0320	EA	2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	460.54	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-6.07	
		<i>For Stave Lumber Core (SLC), Add</i>		227.45	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		136.47	
		<i>For &gt;50 To 100, Deduct</i>		-26.96	
		<i>For &gt;100, Deduct</i>		-38.47	
08 14 16 00-0321	EA	2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	.....	475.66	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>		-6.37	
		<i>For Stave Lumber Core (SLC), Add</i>		238.79	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>		143.28	
		<i>For &gt;50 To 100, Deduct</i>		-27.71	
		<i>For &gt;100, Deduct</i>		-39.61	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0322	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	484.86	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.55	
		<i>For Stave Lumber Core (SLC), Add</i>	245.69	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.42	
		<i>For &gt;50 To 100, Deduct</i>	-28.17	
		<i>For &gt;100, Deduct</i>	-40.30	
08 14 16 00-0323	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	500.93	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.74	
		<i>For Stave Lumber Core (SLC), Add</i>	252.62	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	151.57	
		<i>For &gt;50 To 100, Deduct</i>	-29.15	
		<i>For &gt;100, Deduct</i>	-41.67	
08 14 16 00-0324	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	537.90	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.48	
		<i>For Stave Lumber Core (SLC), Add</i>	280.35	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	168.21	
		<i>For &gt;50 To 100, Deduct</i>	-31.00	
		<i>For &gt;100, Deduct</i>	-44.45	
08 14 16 00-0325	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	568.64	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.95	
		<i>For Stave Lumber Core (SLC), Add</i>	298.28	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	178.97	
		<i>For &gt;50 To 100, Deduct</i>	-32.71	
		<i>For &gt;100, Deduct</i>	-46.92	
08 14 16 00-0326	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	494.68	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.89	
		<i>For Stave Lumber Core (SLC), Add</i>	258.19	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	154.91	
		<i>For &gt;50 To 100, Deduct</i>	-28.49	
		<i>For &gt;100, Deduct</i>	-40.86	
08 14 16 00-0327	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	494.68	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.89	
		<i>For Stave Lumber Core (SLC), Add</i>	258.19	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	154.91	
		<i>For &gt;50 To 100, Deduct</i>	-28.49	
		<i>For &gt;100, Deduct</i>	-40.86	
08 14 16 00-0328	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	519.68	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.25	
		<i>For Stave Lumber Core (SLC), Add</i>	271.81	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.08	
		<i>For &gt;50 To 100, Deduct</i>	-29.92	
		<i>For &gt;100, Deduct</i>	-42.91	
08 14 16 00-0329	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	537.74	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.61	
		<i>For Stave Lumber Core (SLC), Add</i>	285.35	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	171.21	
		<i>For &gt;50 To 100, Deduct</i>	-30.82	
		<i>For &gt;100, Deduct</i>	-44.26	
08 14 16 00-0330	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	548.73	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.83	
		<i>For Stave Lumber Core (SLC), Add</i>	293.60	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	176.16	
		<i>For &gt;50 To 100, Deduct</i>	-31.37	
		<i>For &gt;100, Deduct</i>	-45.09	
08 14 16 00-0331	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	566.63	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.05	
		<i>For Stave Lumber Core (SLC), Add</i>	301.90	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	181.14	
		<i>For &gt;50 To 100, Deduct</i>	-32.43	
		<i>For &gt;100, Deduct</i>	-46.60	
08 14 16 00-0332	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	610.80	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.93	
		<i>For Stave Lumber Core (SLC), Add</i>	335.03	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	201.02	
		<i>For &gt;50 To 100, Deduct</i>	-34.64	
		<i>For &gt;100, Deduct</i>	-49.91	
08 14 16 00-0333	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	646.19	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.51	
		<i>For Stave Lumber Core (SLC), Add</i>	356.44	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	213.86	
		<i>For &gt;50 To 100, Deduct</i>	-36.58	
		<i>For &gt;100, Deduct</i>	-52.74	

**08 14 16 00-0334 Maple Faced Wood Doors** (08 14 16 00-0283)

08 14 16 00-0335	EA	2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	380.79	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.61	
		<i>For Stave Lumber Core (SLC), Add</i>	172.77	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.66	
		<i>For &gt;50 To 100, Deduct</i>	-22.80	
		<i>For &gt;100, Deduct</i>	-32.32	
08 14 16 00-0336	EA	2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	380.79	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.61	
		<i>For Stave Lumber Core (SLC), Add</i>	172.77	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	103.66	
		<i>For &gt;50 To 100, Deduct</i>	-22.80	
		<i>For &gt;100, Deduct</i>	-32.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0337	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	399.76 -4.85 181.87 109.12 -23.92 -33.91	78.63
08 14 16 00-0338	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	411.86 -5.09 190.94 114.57 -24.52 -34.82	78.63
08 14 16 00-0339	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	419.21 -5.24 196.46 117.87 -24.89 -35.37	78.63
08 14 16 00-0340	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	433.44 -5.39 202.01 121.20 -25.77 -36.61	82.05
08 14 16 00-0341	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	462.99 -5.98 224.17 134.50 -27.25 -38.83	82.05
08 14 16 00-0342	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	488.93 -6.36 238.49 143.10 -28.72 -40.94	85.47
08 14 16 00-0343	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	394.18 -4.88 182.81 109.69 -23.47 -33.32	75.21
08 14 16 00-0344	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	394.18 -4.88 182.81 109.69 -23.47 -33.32	75.21
08 14 16 00-0345	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	413.88 -5.13 192.46 115.47 -24.63 -34.97	78.63
08 14 16 00-0346	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	426.68 -5.39 202.06 121.23 -25.27 -35.93	78.63
08 14 16 00-0347	EA		2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	434.46 -5.54 207.89 124.74 -25.65 -36.52	78.63
08 14 16 00-0348	EA		3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	449.12 -5.70 213.77 128.26 -26.56 -37.79	82.05
08 14 16 00-0349	EA		3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	480.39 -6.33 237.22 142.33 -28.12 -40.13	82.05
08 14 16 00-0350	EA		3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	507.44 -6.73 252.38 151.43 -29.65 -42.33	85.47
08 14 16 00-0351	EA		2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For >50 To 100, Deduct For >100, Deduct	441.72 -5.83 218.47 131.08 -25.85 -36.89	75.21

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0352	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	441.72	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.83	
		<i>For Stave Lumber Core (SLC), Add</i>	218.47	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	131.08	
		<i>For &gt;50 To 100, Deduct</i>	-25.85	
		<i>For &gt;100, Deduct</i>	-36.89	
08 14 16 00-0353	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	463.91	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.13	
		<i>For Stave Lumber Core (SLC), Add</i>	229.98	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	137.99	
		<i>For &gt;50 To 100, Deduct</i>	-27.13	
		<i>For &gt;100, Deduct</i>	-38.73	
08 14 16 00-0354	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	479.20	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.44	
		<i>For Stave Lumber Core (SLC), Add</i>	241.45	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.87	
		<i>For &gt;50 To 100, Deduct</i>	-27.89	
		<i>For &gt;100, Deduct</i>	-39.87	
08 14 16 00-0355	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	488.52	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.63	
		<i>For Stave Lumber Core (SLC), Add</i>	248.44	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	149.06	
		<i>For &gt;50 To 100, Deduct</i>	-28.36	
		<i>For &gt;100, Deduct</i>	-40.57	
08 14 16 00-0356	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	504.69	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.81	
		<i>For Stave Lumber Core (SLC), Add</i>	255.44	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	153.27	
		<i>For &gt;50 To 100, Deduct</i>	-29.34	
		<i>For &gt;100, Deduct</i>	-41.95	
08 14 16 00-0357	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	542.08	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.56	
		<i>For Stave Lumber Core (SLC), Add</i>	283.49	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	170.09	
		<i>For &gt;50 To 100, Deduct</i>	-31.21	
		<i>For &gt;100, Deduct</i>	-44.76	
08 14 16 00-0358	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	573.06	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.04	
		<i>For Stave Lumber Core (SLC), Add</i>	301.59	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	180.95	
		<i>For &gt;50 To 100, Deduct</i>	-32.93	
		<i>For &gt;100, Deduct</i>	-47.25	

## 08 14 16 00-0359 Luan Faced Wood Doors (08 14 16 00-0283)

08 14 16 00-0360	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	371.82	75.21
		<i>For &gt;50 To 100, Deduct</i>	-22.35	
		<i>For &gt;100, Deduct</i>	-31.65	
08 14 16 00-0361	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	371.82	75.21
		<i>For &gt;50 To 100, Deduct</i>	-22.35	
		<i>For &gt;100, Deduct</i>	-31.65	
08 14 16 00-0362	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	390.78	78.63
		<i>For &gt;50 To 100, Deduct</i>	-23.47	
		<i>For &gt;100, Deduct</i>	-33.24	
08 14 16 00-0363	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	402.99	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.08	
		<i>For &gt;100, Deduct</i>	-34.16	
08 14 16 00-0364	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	409.12	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.39	
		<i>For &gt;100, Deduct</i>	-34.62	
08 14 16 00-0365	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	422.12	82.05
		<i>For &gt;50 To 100, Deduct</i>	-25.21	
		<i>For &gt;100, Deduct</i>	-35.76	
08 14 16 00-0366	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	450.46	82.05
		<i>For &gt;50 To 100, Deduct</i>	-26.63	
		<i>For &gt;100, Deduct</i>	-37.89	
08 14 16 00-0367	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	479.74	85.47
		<i>For &gt;50 To 100, Deduct</i>	-28.26	
		<i>For &gt;100, Deduct</i>	-40.25	
08 14 16 00-0368	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	384.71	75.21
		<i>For &gt;50 To 100, Deduct</i>	-23.00	
		<i>For &gt;100, Deduct</i>	-32.61	
08 14 16 00-0369	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	384.71	75.21
		<i>For &gt;50 To 100, Deduct</i>	-23.00	
		<i>For &gt;100, Deduct</i>	-32.61	
08 14 16 00-0370	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	404.39	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.15	
		<i>For &gt;100, Deduct</i>	-34.26	
08 14 16 00-0371	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	417.29	78.63
		<i>For &gt;50 To 100, Deduct</i>	-24.80	
		<i>For &gt;100, Deduct</i>	-35.23	
08 14 16 00-0372	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	423.79	78.63
		<i>For &gt;50 To 100, Deduct</i>	-25.12	
		<i>For &gt;100, Deduct</i>	-35.72	
08 14 16 00-0373	EA	3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	437.12	82.05
		<i>For &gt;50 To 100, Deduct</i>	-25.96	
		<i>For &gt;100, Deduct</i>	-36.89	
08 14 16 00-0374	EA	3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door.....	467.15	82.05
		<i>For &gt;50 To 100, Deduct</i>	-27.46	
		<i>For &gt;100, Deduct</i>	-39.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0375	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	497.69	85.47
			For >50 To 100, Deduct	-29.16	
			For >100, Deduct	-41.60	
08 14 16 00-0376	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	430.42	75.21
			For >50 To 100, Deduct	-25.28	
			For >100, Deduct	-36.04	
08 14 16 00-0377	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	430.42	75.21
			For >50 To 100, Deduct	-25.28	
			For >100, Deduct	-36.04	
08 14 16 00-0378	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	452.56	78.63
			For >50 To 100, Deduct	-26.56	
			For >100, Deduct	-37.87	
08 14 16 00-0379	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	468.00	78.63
			For >50 To 100, Deduct	-27.33	
			For >100, Deduct	-39.03	
08 14 16 00-0380	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	475.77	78.63
			For >50 To 100, Deduct	-27.72	
			For >100, Deduct	-39.61	
08 14 16 00-0381	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	490.37	82.05
			For >50 To 100, Deduct	-28.62	
			For >100, Deduct	-40.88	
08 14 16 00-0382	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	526.23	82.05
			For >50 To 100, Deduct	-30.41	
			For >100, Deduct	-43.57	
08 14 16 00-0383	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	561.40	85.47
			For >50 To 100, Deduct	-32.34	
			For >100, Deduct	-46.38	
<b>08 14 16 00-0384 Medium Density Overlay (MDO) Faced Wood Doors (08 14 16 00-0283)</b>					
08 14 16 00-0385	EA		2'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	332.17	75.21
			For Stave Lumber Core (SLC), Add	136.31	
			For Structural Composite Lumber Core (SCLC), Add	81.78	
			For >50 To 100, Deduct	-20.37	
			For >100, Deduct	-28.67	
08 14 16 00-0386	EA		2'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	332.17	75.21
			For Stave Lumber Core (SLC), Add	136.31	
			For Structural Composite Lumber Core (SCLC), Add	81.78	
			For >50 To 100, Deduct	-20.37	
			For >100, Deduct	-28.67	
08 14 16 00-0387	EA		2'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	349.57	78.63
			For Stave Lumber Core (SLC), Add	144.23	
			For Structural Composite Lumber Core (SCLC), Add	86.54	
			For >50 To 100, Deduct	-21.41	
			For >100, Deduct	-30.15	
08 14 16 00-0388	EA		2'-8" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	360.09	78.63
			For Stave Lumber Core (SLC), Add	152.12	
			For Structural Composite Lumber Core (SCLC), Add	91.27	
			For >50 To 100, Deduct	-21.94	
			For >100, Deduct	-30.94	
08 14 16 00-0389	EA		2'-10" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	362.02	78.63
			For Stave Lumber Core (SLC), Add	153.56	
			For Structural Composite Lumber Core (SCLC), Add	92.14	
			For >50 To 100, Deduct	-22.03	
			For >100, Deduct	-31.08	
08 14 16 00-0390	EA		3'-0" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	370.81	82.05
			For Stave Lumber Core (SLC), Add	155.03	
			For Structural Composite Lumber Core (SCLC), Add	93.02	
			For >50 To 100, Deduct	-22.64	
			For >100, Deduct	-31.91	
08 14 16 00-0391	EA		3'-4" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	393.62	82.05
			For Stave Lumber Core (SLC), Add	172.14	
			For Structural Composite Lumber Core (SCLC), Add	103.28	
			For >50 To 100, Deduct	-23.78	
			For >100, Deduct	-33.62	
08 14 16 00-0392	EA		3'-6" x 6'-8" x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	442.03	85.47
			For Stave Lumber Core (SLC), Add	203.32	
			For Structural Composite Lumber Core (SCLC), Add	121.99	
			For >50 To 100, Deduct	-26.38	
			For >100, Deduct	-37.43	
08 14 16 00-0393	EA		2'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	342.75	75.21
			For Stave Lumber Core (SLC), Add	144.24	
			For Structural Composite Lumber Core (SCLC), Add	86.54	
			For >50 To 100, Deduct	-20.90	
			For >100, Deduct	-29.47	
08 14 16 00-0394	EA		2'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	342.76	75.21
			For Stave Lumber Core (SLC), Add	144.25	
			For Structural Composite Lumber Core (SCLC), Add	86.55	
			For >50 To 100, Deduct	-20.90	
			For >100, Deduct	-29.47	
08 14 16 00-0395	EA		2'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	360.76	78.63
			For Stave Lumber Core (SLC), Add	152.62	
			For Structural Composite Lumber Core (SCLC), Add	91.57	
			For >50 To 100, Deduct	-21.97	
			For >100, Deduct	-30.99	
08 14 16 00-0396	EA		2'-8" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	371.89	78.63
			For Stave Lumber Core (SLC), Add	160.97	
			For Structural Composite Lumber Core (SCLC), Add	96.58	
			For >50 To 100, Deduct	-22.53	
			For >100, Deduct	-31.82	



**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 16 00-0397	EA	2'-10" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	373.95	78.63
		For Stave Lumber Core (SLC), Add	162.51	
		For Structural Composite Lumber Core (SCLC), Add	97.51	
		For >50 To 100, Deduct	-22.63	
		For >100, Deduct	-31.98	
08 14 16 00-0398	EA	3'-0" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	382.85	82.05
		For Stave Lumber Core (SLC), Add	164.06	
		For Structural Composite Lumber Core (SCLC), Add	98.44	
		For >50 To 100, Deduct	-23.25	
		For >100, Deduct	-32.82	
08 14 16 00-0399	EA	3'-4" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	406.97	82.05
		For Stave Lumber Core (SLC), Add	182.15	
		For Structural Composite Lumber Core (SCLC), Add	109.29	
		For >50 To 100, Deduct	-24.45	
		For >100, Deduct	-34.63	
08 14 16 00-0400	EA	3'-6" x 7' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	457.83	85.47
		For Stave Lumber Core (SLC), Add	215.17	
		For Structural Composite Lumber Core (SCLC), Add	129.10	
		For >50 To 100, Deduct	-27.17	
		For >100, Deduct	-38.61	
08 14 16 00-0401	EA	2'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	380.23	75.21
		For Stave Lumber Core (SLC), Add	172.35	
		For Structural Composite Lumber Core (SCLC), Add	103.41	
		For >50 To 100, Deduct	-22.77	
		For >100, Deduct	-32.28	
08 14 16 00-0402	EA	2'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	380.27	75.21
		For Stave Lumber Core (SLC), Add	172.38	
		For Structural Composite Lumber Core (SCLC), Add	103.43	
		For >50 To 100, Deduct	-22.77	
		For >100, Deduct	-32.28	
08 14 16 00-0403	EA	2'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	400.44	78.63
		For Stave Lumber Core (SLC), Add	182.38	
		For Structural Composite Lumber Core (SCLC), Add	109.43	
		For >50 To 100, Deduct	-23.95	
		For >100, Deduct	-33.96	
08 14 16 00-0404	EA	2'-8" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	413.73	78.63
		For Stave Lumber Core (SLC), Add	192.35	
		For Structural Composite Lumber Core (SCLC), Add	115.41	
		For >50 To 100, Deduct	-24.62	
		For >100, Deduct	-34.96	
08 14 16 00-0405	EA	2'-10" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	416.19	78.63
		For Stave Lumber Core (SLC), Add	194.19	
		For Structural Composite Lumber Core (SCLC), Add	116.51	
		For >50 To 100, Deduct	-24.74	
		For >100, Deduct	-35.15	
08 14 16 00-0406	EA	3'-0" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	425.51	82.05
		For Stave Lumber Core (SLC), Add	196.06	
		For Structural Composite Lumber Core (SCLC), Add	117.63	
		For >50 To 100, Deduct	-25.38	
		For >100, Deduct	-36.02	
08 14 16 00-0407	EA	3'-4" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	454.35	82.05
		For Stave Lumber Core (SLC), Add	217.69	
		For Structural Composite Lumber Core (SCLC), Add	130.61	
		For >50 To 100, Deduct	-26.82	
		For >100, Deduct	-38.18	
08 14 16 00-0408	EA	3'-6" x 8' x 1-3/8" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	513.78	85.47
		For Stave Lumber Core (SLC), Add	257.13	
		For Structural Composite Lumber Core (SCLC), Add	154.28	
		For >50 To 100, Deduct	-29.96	
		For >100, Deduct	-42.81	

**08 14 16 00-0409 1-3/4" Thick, Particleboard Core (PC), Wood Doors** (08 14 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

**08 14 16 00-0410 Birch Faced Wood Doors** (08 14 16 00-0409)

08 14 16 00-0411	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.80	75.21
		For 7 Ply Cold Press Construction, Deduct	-3.79	
		For Stave Lumber Core (SLC), Add	142.03	
		For Structural Composite Lumber Core (SCLC), Add	85.22	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.72	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	142.03	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	227.24	
		For >50 To 100, Deduct	-20.75	
		For >100, Deduct	-29.25	
08 14 16 00-0412	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	339.80	75.21
		For 7 Ply Cold Press Construction, Deduct	-3.79	
		For Stave Lumber Core (SLC), Add	142.03	
		For Structural Composite Lumber Core (SCLC), Add	85.22	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.72	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	142.03	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	227.24	
		For >50 To 100, Deduct	-20.75	
		For >100, Deduct	-29.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0413	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	336.66	78.63
			For 7 Ply Cold Press Construction, Deduct	-3.59	
			For Stave Lumber Core (SLC), Add	134.54	
			For Structural Composite Lumber Core (SCLC), Add	80.73	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.53	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	96.87	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	134.54	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	215.27	
			For >50 To 100, Deduct	-20.76	
			For >100, Deduct	-29.18	
08 14 16 00-0414	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	344.14	78.63
			For 7 Ply Cold Press Construction, Deduct	-3.74	
			For Stave Lumber Core (SLC), Add	140.15	
			For Structural Composite Lumber Core (SCLC), Add	84.09	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.42	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.91	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.15	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	224.24	
			For >50 To 100, Deduct	-21.14	
			For >100, Deduct	-29.74	
08 14 16 00-0415	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	349.14	78.63
			For 7 Ply Cold Press Construction, Deduct	-3.84	
			For Stave Lumber Core (SLC), Add	143.90	
			For Structural Composite Lumber Core (SCLC), Add	86.34	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.02	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	103.61	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	143.90	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	230.24	
			For >50 To 100, Deduct	-21.39	
			For >100, Deduct	-30.12	
08 14 16 00-0416	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	360.94	82.05
			For 7 Ply Cold Press Construction, Deduct	-3.94	
			For Stave Lumber Core (SLC), Add	147.63	
			For Structural Composite Lumber Core (SCLC), Add	88.58	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.62	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.29	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	147.63	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	236.21	
			For >50 To 100, Deduct	-22.15	
			For >100, Deduct	-31.17	
08 14 16 00-0417	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	382.59	82.05
			For 7 Ply Cold Press Construction, Deduct	-4.37	
			For Stave Lumber Core (SLC), Add	163.87	
			For Structural Composite Lumber Core (SCLC), Add	98.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	26.22	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	117.98	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	163.87	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	262.19	
			For >50 To 100, Deduct	-23.23	
			For >100, Deduct	-32.80	
08 14 16 00-0418	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	436.21	85.47
			For 7 Ply Cold Press Construction, Deduct	-5.31	
			For Stave Lumber Core (SLC), Add	198.95	
			For Structural Composite Lumber Core (SCLC), Add	119.37	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.63	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	143.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	198.95	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	318.32	
			For >50 To 100, Deduct	-26.08	
			For >100, Deduct	-36.99	
08 14 16 00-0419	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	449.47	85.47
			For 7 Ply Cold Press Construction, Deduct	-5.57	
			For Stave Lumber Core (SLC), Add	208.90	
			For Structural Composite Lumber Core (SCLC), Add	125.34	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.42	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	150.41	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	208.90	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	334.24	
			For >50 To 100, Deduct	-26.75	
			For >100, Deduct	-37.98	
08 14 16 00-0420	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	489.67	92.31
			For 7 Ply Cold Press Construction, Deduct	-6.10	
			For Stave Lumber Core (SLC), Add	228.79	
			For Structural Composite Lumber Core (SCLC), Add	137.27	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.61	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	164.73	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	228.79	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	366.06	
			For >50 To 100, Deduct	-29.10	
			For >100, Deduct	-41.34	
08 14 16 00-0421	EA		2'-0" x 7" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	330.84	75.21
			For 7 Ply Cold Press Construction, Deduct	-3.61	
			For Stave Lumber Core (SLC), Add	135.31	
			For Structural Composite Lumber Core (SCLC), Add	81.18	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.65	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.42	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.31	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	216.49	
			For >50 To 100, Deduct	-20.30	
			For >100, Deduct	-28.57	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0422	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	330.84	75.21
		For 7 Ply Cold Press Construction, Deduct	-3.61	
		For Stave Lumber Core (SLC), Add	135.31	
		For Structural Composite Lumber Core (SCLC), Add	81.18	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.65	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	97.42	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	135.31	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	216.49	
		For >50 To 100, Deduct	-20.30	
		For >100, Deduct	-28.57	
08 14 16 00-0423	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	347.11	78.63
		For 7 Ply Cold Press Construction, Deduct	-3.80	
		For Stave Lumber Core (SLC), Add	142.38	
		For Structural Composite Lumber Core (SCLC), Add	85.43	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.78	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	102.51	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	142.38	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	227.81	
		For >50 To 100, Deduct	-21.29	
		For >100, Deduct	-29.97	
08 14 16 00-0424	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	355.01	78.63
		For 7 Ply Cold Press Construction, Deduct	-3.95	
		For Stave Lumber Core (SLC), Add	148.31	
		For Structural Composite Lumber Core (SCLC), Add	88.98	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	23.73	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	106.78	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	148.31	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	237.29	
		For >50 To 100, Deduct	-21.68	
		For >100, Deduct	-30.56	
08 14 16 00-0425	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	360.30	78.63
		For 7 Ply Cold Press Construction, Deduct	-4.06	
		For Stave Lumber Core (SLC), Add	152.27	
		For Structural Composite Lumber Core (SCLC), Add	91.36	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.36	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	109.64	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	152.27	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	243.64	
		For >50 To 100, Deduct	-21.95	
		For >100, Deduct	-30.95	
08 14 16 00-0426	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	372.39	82.05
		For 7 Ply Cold Press Construction, Deduct	-4.17	
		For Stave Lumber Core (SLC), Add	156.22	
		For Structural Composite Lumber Core (SCLC), Add	93.73	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.99	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.48	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	156.22	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	249.95	
		For >50 To 100, Deduct	-22.72	
		For >100, Deduct	-32.03	
08 14 16 00-0427	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	395.30	82.05
		For 7 Ply Cold Press Construction, Deduct	-4.62	
		For Stave Lumber Core (SLC), Add	173.40	
		For Structural Composite Lumber Core (SCLC), Add	104.04	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.74	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	124.85	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	173.40	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	277.44	
		For >50 To 100, Deduct	-23.87	
		For >100, Deduct	-33.75	
08 14 16 00-0428	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	451.65	85.47
		For 7 Ply Cold Press Construction, Deduct	-5.61	
		For Stave Lumber Core (SLC), Add	210.53	
		For Structural Composite Lumber Core (SCLC), Add	126.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.69	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	151.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	210.53	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	336.85	
		For >50 To 100, Deduct	-26.86	
		For >100, Deduct	-38.15	
08 14 16 00-0429	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	465.69	85.47
		For 7 Ply Cold Press Construction, Deduct	-5.90	
		For Stave Lumber Core (SLC), Add	221.06	
		For Structural Composite Lumber Core (SCLC), Add	132.64	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	35.37	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	159.17	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	221.06	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	353.70	
		For >50 To 100, Deduct	-27.56	
		For >100, Deduct	-39.20	
08 14 16 00-0430	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	507.43	92.31
		For 7 Ply Cold Press Construction, Deduct	-6.46	
		For Stave Lumber Core (SLC), Add	242.11	
		For Structural Composite Lumber Core (SCLC), Add	145.26	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.74	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	174.32	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	242.11	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	387.37	
		For >50 To 100, Deduct	-29.99	
		For >100, Deduct	-42.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0431	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	389.89 -4.79 179.60 107.76 28.74 129.31 179.60 287.35 -23.26 -33.00	75.21
08 14 16 00-0432	EA		2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	389.89 -4.79 179.60 107.76 28.74 129.31 179.60 287.35 -23.26 -33.00	75.21
08 14 16 00-0433	EA		2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	384.12 -4.54 170.14 102.08 27.22 122.50 170.14 272.22 -23.14 -32.74	78.63
08 14 16 00-0434	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	393.57 -4.73 177.23 106.34 28.36 127.60 177.23 283.56 -23.61 -33.45	78.63
08 14 16 00-0435	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	399.88 -4.85 181.96 109.17 29.11 131.01 181.96 291.13 -23.93 -33.92	78.63
08 14 16 00-0436	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	413.00 -4.98 186.68 112.01 29.87 134.41 186.68 298.68 -24.75 -35.08	82.05
08 14 16 00-0437	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	440.38 -5.53 207.21 124.33 33.15 149.19 207.21 331.54 -26.12 -37.13	82.05
08 14 16 00-0438	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	506.38 -6.71 251.58 150.95 40.25 181.14 251.58 402.53 -29.59 -42.25	85.47
08 14 16 00-0439	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	523.15 -7.04 264.16 158.49 42.27 190.19 264.16 422.65 -30.43 -43.51	85.47

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0440	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	570.38	92.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.72	
		<i>For Stave Lumber Core (SLC), Add</i>	289.32	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	173.59	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	46.29	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	208.31	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	289.32	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	462.91	
		<i>For &gt;50 To 100, Deduct</i>	-33.13	
		<i>For &gt;100, Deduct</i>	-47.39	

## 08 14 16 00-0441 Oak Faced Wood Doors (08 14 16 00-0409)

08 14 16 00-0442	EA	2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	513.16	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.25	
		<i>For Stave Lumber Core (SLC), Add</i>	272.05	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.23	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.53	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	195.87	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	272.05	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	435.28	
		<i>For &gt;50 To 100, Deduct</i>	-29.42	
		<i>For &gt;100, Deduct</i>	-42.25	
08 14 16 00-0443	EA	2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	513.16	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.25	
		<i>For Stave Lumber Core (SLC), Add</i>	272.05	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.23	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.53	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	195.87	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	272.05	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	435.28	
		<i>For &gt;50 To 100, Deduct</i>	-29.42	
		<i>For &gt;100, Deduct</i>	-42.25	
08 14 16 00-0444	EA	2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	520.00	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.25	
		<i>For Stave Lumber Core (SLC), Add</i>	272.05	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	163.23	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.53	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	195.87	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	272.05	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	435.28	
		<i>For &gt;50 To 100, Deduct</i>	-29.93	
		<i>For &gt;100, Deduct</i>	-42.93	
08 14 16 00-0445	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	523.73	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.33	
		<i>For Stave Lumber Core (SLC), Add</i>	274.85	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.91	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.98	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	197.89	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	274.85	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	439.75	
		<i>For &gt;50 To 100, Deduct</i>	-30.12	
		<i>For &gt;100, Deduct</i>	-43.21	
08 14 16 00-0446	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	525.41	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.36	
		<i>For Stave Lumber Core (SLC), Add</i>	276.11	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	165.66	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.18	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	198.80	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	276.11	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	441.77	
		<i>For &gt;50 To 100, Deduct</i>	-30.20	
		<i>For &gt;100, Deduct</i>	-43.34	
08 14 16 00-0447	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	533.93	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.40	
		<i>For Stave Lumber Core (SLC), Add</i>	277.37	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	166.42	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	44.38	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	199.71	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	277.37	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	443.80	
		<i>For &gt;50 To 100, Deduct</i>	-30.80	
		<i>For &gt;100, Deduct</i>	-44.15	
08 14 16 00-0448	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	574.55	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.21	
		<i>For Stave Lumber Core (SLC), Add</i>	307.84	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	184.70	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	49.25	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	221.64	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	307.84	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	492.54	
		<i>For &gt;50 To 100, Deduct</i>	-32.83	
		<i>For &gt;100, Deduct</i>	-47.19	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0449	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	685.99 -10.30 386.29 231.77 61.61 278.13 386.29 618.06 -38.57 -55.72	85.47
08 14 16 00-0450	EA		3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	712.10 -10.82 405.87 243.52 64.94 292.23 405.87 649.39 -39.88 -57.68	85.47
08 14 16 00-0451	EA		4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door ..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	776.94 -11.85 444.24 266.54 71.08 319.85 444.24 710.78 -43.46 -62.89	92.31
08 14 16 00-0452	EA		2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	534.26 -7.68 287.87 172.72 46.06 207.27 287.87 460.60 -30.47 -43.83	75.21
08 14 16 00-0453	EA		2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	534.26 -7.68 287.87 172.72 46.06 207.27 287.87 460.60 -30.47 -43.83	75.21
08 14 16 00-0454	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	541.10 -7.68 287.87 172.72 46.06 207.27 287.87 460.60 -30.99 -44.51	78.63
08 14 16 00-0455	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	545.04 -7.76 290.83 174.50 46.53 209.40 290.83 465.32 -31.18 -44.81	78.63
08 14 16 00-0456	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	546.83 -7.79 292.17 175.30 46.75 210.36 292.17 467.47 -31.27 -44.94	78.63
08 14 16 00-0457	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door..... For 7 Ply Cold Press Construction, Deduct For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	555.46 -7.83 293.52 176.11 46.96 211.33 293.52 469.63 -31.88 -45.76	82.05

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0458	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	598.44	82.05
		For 7 Ply Cold Press Construction, Deduct	-8.69	
		For Stave Lumber Core (SLC), Add	325.76	
		For Structural Composite Lumber Core (SCLC), Add	195.45	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.12	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	234.54	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	325.76	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	521.21	
		For >50 To 100, Deduct	-34.02	
		For >100, Deduct	-48.99	
08 14 16 00-0459	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	715.97	85.47
		For 7 Ply Cold Press Construction, Deduct	-10.90	
		For Stave Lumber Core (SLC), Add	408.77	
		For Structural Composite Lumber Core (SCLC), Add	245.26	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	65.40	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	294.32	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	408.77	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	654.04	
		For >50 To 100, Deduct	-40.07	
		For >100, Deduct	-57.97	
08 14 16 00-0460	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	743.59	85.47
		For 7 Ply Cold Press Construction, Deduct	-11.45	
		For Stave Lumber Core (SLC), Add	429.49	
		For Structural Composite Lumber Core (SCLC), Add	257.69	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	68.72	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	309.23	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	429.49	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	687.18	
		For >50 To 100, Deduct	-41.45	
		For >100, Deduct	-60.04	
08 14 16 00-0461	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	811.40	92.31
		For 7 Ply Cold Press Construction, Deduct	-12.54	
		For Stave Lumber Core (SLC), Add	470.09	
		For Structural Composite Lumber Core (SCLC), Add	282.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	75.21	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	338.46	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	470.09	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	752.14	
		For >50 To 100, Deduct	-45.19	
		For >100, Deduct	-65.47	
08 14 16 00-0462	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	609.09	75.21
		For 7 Ply Cold Press Construction, Deduct	-9.17	
		For Stave Lumber Core (SLC), Add	344.00	
		For Structural Composite Lumber Core (SCLC), Add	206.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.04	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	247.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	344.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	550.39	
		For >50 To 100, Deduct	-34.22	
		For >100, Deduct	-49.44	
08 14 16 00-0463	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	609.09	75.21
		For 7 Ply Cold Press Construction, Deduct	-9.17	
		For Stave Lumber Core (SLC), Add	344.00	
		For Structural Composite Lumber Core (SCLC), Add	206.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.04	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	247.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	344.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	550.39	
		For >50 To 100, Deduct	-34.22	
		For >100, Deduct	-49.44	
08 14 16 00-0464	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	615.93	78.63
		For 7 Ply Cold Press Construction, Deduct	-9.17	
		For Stave Lumber Core (SLC), Add	344.00	
		For Structural Composite Lumber Core (SCLC), Add	206.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.04	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	247.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	344.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	550.39	
		For >50 To 100, Deduct	-34.73	
		For >100, Deduct	-50.13	
08 14 16 00-0465	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	620.66	78.63
		For 7 Ply Cold Press Construction, Deduct	-9.27	
		For Stave Lumber Core (SLC), Add	347.54	
		For Structural Composite Lumber Core (SCLC), Add	208.53	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.61	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	250.23	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	347.54	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	556.07	
		For >50 To 100, Deduct	-34.96	
		For >100, Deduct	-50.48	
08 14 16 00-0466	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	622.81	78.63
		For 7 Ply Cold Press Construction, Deduct	-9.31	
		For Stave Lumber Core (SLC), Add	349.16	
		For Structural Composite Lumber Core (SCLC), Add	209.49	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	55.86	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	251.39	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	349.16	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	558.65	
		For >50 To 100, Deduct	-35.07	
		For >100, Deduct	-50.64	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0467	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	631.76	82.05
			For 7 Ply Cold Press Construction, Deduct	-9.35	
			For Stave Lumber Core (SLC), Add	350.75	
			For Structural Composite Lumber Core (SCLC), Add	210.45	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	56.12	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	252.54	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	350.75	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	561.19	
			For >50 To 100, Deduct	-35.69	
			For >100, Deduct	-51.48	
08 14 16 00-0468	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	683.12	82.05
			For 7 Ply Cold Press Construction, Deduct	-10.38	
			For Stave Lumber Core (SLC), Add	389.27	
			For Structural Composite Lumber Core (SCLC), Add	233.56	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.28	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	280.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	389.27	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	622.82	
			For >50 To 100, Deduct	-38.26	
			For >100, Deduct	-55.34	
08 14 16 00-0469	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	822.26	85.47
			For 7 Ply Cold Press Construction, Deduct	-13.03	
			For Stave Lumber Core (SLC), Add	488.49	
			For Structural Composite Lumber Core (SCLC), Add	293.09	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	78.16	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	351.71	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	488.49	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	781.58	
			For >50 To 100, Deduct	-45.39	
			For >100, Deduct	-65.94	
08 14 16 00-0470	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	855.25	85.47
			For 7 Ply Cold Press Construction, Deduct	-13.69	
			For Stave Lumber Core (SLC), Add	513.23	
			For Structural Composite Lumber Core (SCLC), Add	307.94	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	82.12	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	369.53	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	513.23	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	821.17	
			For >50 To 100, Deduct	-47.04	
			For >100, Deduct	-68.42	
08 14 16 00-0471	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	933.62	92.31
			For 7 Ply Cold Press Construction, Deduct	-14.98	
			For Stave Lumber Core (SLC), Add	561.75	
			For Structural Composite Lumber Core (SCLC), Add	337.05	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	89.88	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	404.46	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	561.75	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	898.80	
			For >50 To 100, Deduct	-51.30	
			For >100, Deduct	-74.64	
<b>08 14 16 00-0472</b>			<b>Maple Faced Wood Doors</b> <small>(08 14 16 00-0409)</small>		
08 14 16 00-0473	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	457.35	75.21
			For 7 Ply Cold Press Construction, Deduct	-6.14	
			For Stave Lumber Core (SLC), Add	230.19	
			For Structural Composite Lumber Core (SCLC), Add	138.11	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.74	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.19	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.30	
			For >50 To 100, Deduct	-26.63	
			For >100, Deduct	-38.06	
08 14 16 00-0474	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	457.35	75.21
			For 7 Ply Cold Press Construction, Deduct	-6.14	
			For Stave Lumber Core (SLC), Add	230.19	
			For Structural Composite Lumber Core (SCLC), Add	138.11	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.74	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.19	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.30	
			For >50 To 100, Deduct	-26.63	
			For >100, Deduct	-38.06	
08 14 16 00-0475	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	464.19	78.63
			For 7 Ply Cold Press Construction, Deduct	-6.14	
			For Stave Lumber Core (SLC), Add	230.19	
			For Structural Composite Lumber Core (SCLC), Add	138.11	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.83	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	165.74	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	230.19	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	368.30	
			For >50 To 100, Deduct	-27.14	
			For >100, Deduct	-38.75	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0476	EA	2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	467.35	78.63
		For 7 Ply Cold Press Construction, Deduct	-6.20	
		For Stave Lumber Core (SLC), Add	232.56	
		For Structural Composite Lumber Core (SCLC), Add	139.54	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.21	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.44	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	232.56	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	372.10	
		For >50 To 100, Deduct	-27.30	
		For >100, Deduct	-38.98	
08 14 16 00-0477	EA	2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	468.76	78.63
		For 7 Ply Cold Press Construction, Deduct	-6.23	
		For Stave Lumber Core (SLC), Add	233.62	
		For Structural Composite Lumber Core (SCLC), Add	140.17	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.38	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	168.20	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.62	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.79	
		For >50 To 100, Deduct	-27.37	
		For >100, Deduct	-39.09	
08 14 16 00-0478	EA	3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	477.03	82.05
		For 7 Ply Cold Press Construction, Deduct	-6.26	
		For Stave Lumber Core (SLC), Add	234.70	
		For Structural Composite Lumber Core (SCLC), Add	140.82	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.55	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	168.98	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	234.70	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	375.52	
		For >50 To 100, Deduct	-27.95	
		For >100, Deduct	-39.88	
08 14 16 00-0479	EA	3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	511.41	82.05
		For 7 Ply Cold Press Construction, Deduct	-6.95	
		For Stave Lumber Core (SLC), Add	260.48	
		For Structural Composite Lumber Core (SCLC), Add	156.29	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.68	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	187.55	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	260.48	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	416.77	
		For >50 To 100, Deduct	-29.67	
		For >100, Deduct	-42.46	
08 14 16 00-0480	EA	3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	584.96	85.47
		For 7 Ply Cold Press Construction, Deduct	-8.28	
		For Stave Lumber Core (SLC), Add	310.52	
		For Structural Composite Lumber Core (SCLC), Add	186.31	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.68	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	223.57	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	310.52	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	496.82	
		For >50 To 100, Deduct	-33.52	
		For >100, Deduct	-48.15	
08 14 16 00-0481	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	628.53	85.47
		For 7 Ply Cold Press Construction, Deduct	-9.15	
		For Stave Lumber Core (SLC), Add	343.19	
		For Structural Composite Lumber Core (SCLC), Add	205.92	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.91	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	247.10	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	343.19	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	549.11	
		For >50 To 100, Deduct	-35.70	
		For >100, Deduct	-51.41	
08 14 16 00-0482	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	672.15	85.47
		For 7 Ply Cold Press Construction, Deduct	-10.02	
		For Stave Lumber Core (SLC), Add	375.91	
		For Structural Composite Lumber Core (SCLC), Add	225.54	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	60.15	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	270.65	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	375.91	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	601.45	
		For >50 To 100, Deduct	-37.88	
		For >100, Deduct	-54.68	
08 14 16 00-0483	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	475.21	75.21
		For 7 Ply Cold Press Construction, Deduct	-6.50	
		For Stave Lumber Core (SLC), Add	243.59	
		For Structural Composite Lumber Core (SCLC), Add	146.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.97	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.38	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	243.59	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	389.74	
		For >50 To 100, Deduct	-27.52	
		For >100, Deduct	-39.40	
08 14 16 00-0484	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	475.21	75.21
		For 7 Ply Cold Press Construction, Deduct	-6.50	
		For Stave Lumber Core (SLC), Add	243.59	
		For Structural Composite Lumber Core (SCLC), Add	146.15	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.97	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.38	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	243.59	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	389.74	
		For >50 To 100, Deduct	-27.52	
		For >100, Deduct	-39.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0485	EA		2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	482.05	78.63
			For 7 Ply Cold Press Construction, Deduct	-6.50	
			For Stave Lumber Core (SLC), Add	243.59	
			For Structural Composite Lumber Core (SCLC), Add	146.15	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.97	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.38	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	243.59	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	389.74	
			For >50 To 100, Deduct	-28.03	
			For >100, Deduct	-40.09	
08 14 16 00-0486	EA		2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	485.38	78.63
			For 7 Ply Cold Press Construction, Deduct	-6.56	
			For Stave Lumber Core (SLC), Add	246.08	
			For Structural Composite Lumber Core (SCLC), Add	147.65	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.37	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	177.18	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	246.08	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	393.73	
			For >50 To 100, Deduct	-28.20	
			For >100, Deduct	-40.34	
08 14 16 00-0487	EA		2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	486.90	78.63
			For 7 Ply Cold Press Construction, Deduct	-6.59	
			For Stave Lumber Core (SLC), Add	247.22	
			For Structural Composite Lumber Core (SCLC), Add	148.33	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.56	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.00	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	247.22	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	395.56	
			For >50 To 100, Deduct	-28.28	
			For >100, Deduct	-40.45	
08 14 16 00-0488	EA		3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	495.25	82.05
			For 7 Ply Cold Press Construction, Deduct	-6.62	
			For Stave Lumber Core (SLC), Add	248.36	
			For Structural Composite Lumber Core (SCLC), Add	149.02	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.74	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	178.82	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	248.36	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	397.38	
			For >50 To 100, Deduct	-28.87	
			For >100, Deduct	-41.25	
08 14 16 00-0489	EA		3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	531.62	82.05
			For 7 Ply Cold Press Construction, Deduct	-7.35	
			For Stave Lumber Core (SLC), Add	275.64	
			For Structural Composite Lumber Core (SCLC), Add	165.38	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.10	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	198.46	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	275.64	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	441.02	
			For >50 To 100, Deduct	-30.68	
			For >100, Deduct	-43.97	
08 14 16 00-0490	EA		3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	609.06	85.47
			For 7 Ply Cold Press Construction, Deduct	-8.76	
			For Stave Lumber Core (SLC), Add	328.59	
			For Structural Composite Lumber Core (SCLC), Add	197.15	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.57	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	236.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	328.59	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	525.74	
			For >50 To 100, Deduct	-34.73	
			For >100, Deduct	-49.95	
08 14 16 00-0491	EA		3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	655.18	85.47
			For 7 Ply Cold Press Construction, Deduct	-9.68	
			For Stave Lumber Core (SLC), Add	363.18	
			For Structural Composite Lumber Core (SCLC), Add	217.91	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	58.11	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	261.49	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	363.18	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	581.09	
			For >50 To 100, Deduct	-37.03	
			For >100, Deduct	-53.41	
08 14 16 00-0492	EA		4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	701.33	85.47
			For 7 Ply Cold Press Construction, Deduct	-10.61	
			For Stave Lumber Core (SLC), Add	397.79	
			For Structural Composite Lumber Core (SCLC), Add	238.68	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	63.65	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	286.41	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	397.79	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	636.47	
			For >50 To 100, Deduct	-39.34	
			For >100, Deduct	-56.87	
08 14 16 00-0493	EA		2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	538.53	75.21
			For 7 Ply Cold Press Construction, Deduct	-7.76	
			For Stave Lumber Core (SLC), Add	291.08	
			For Structural Composite Lumber Core (SCLC), Add	174.65	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.57	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	209.57	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	291.08	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	465.72	
			For >50 To 100, Deduct	-30.69	
			For >100, Deduct	-44.15	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0494	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	538.53	75.21
		For 7 Ply Cold Press Construction, Deduct	-7.76	
		For Stave Lumber Core (SLC), Add	291.08	
		For Structural Composite Lumber Core (SCLC), Add	174.65	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.57	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	209.57	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	291.08	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	465.72	
		For >50 To 100, Deduct	-30.69	
		For >100, Deduct	-44.15	
08 14 16 00-0495	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	545.37	78.63
		For 7 Ply Cold Press Construction, Deduct	-7.76	
		For Stave Lumber Core (SLC), Add	291.08	
		For Structural Composite Lumber Core (SCLC), Add	174.65	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.57	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	209.57	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	291.08	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	465.72	
		For >50 To 100, Deduct	-31.20	
		For >100, Deduct	-44.83	
08 14 16 00-0496	EA	2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	549.37	78.63
		For 7 Ply Cold Press Construction, Deduct	-7.84	
		For Stave Lumber Core (SLC), Add	294.08	
		For Structural Composite Lumber Core (SCLC), Add	176.45	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.05	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.73	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	294.08	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	470.52	
		For >50 To 100, Deduct	-31.40	
		For >100, Deduct	-45.13	
08 14 16 00-0497	EA	2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	551.18	78.63
		For 7 Ply Cold Press Construction, Deduct	-7.88	
		For Stave Lumber Core (SLC), Add	295.43	
		For Structural Composite Lumber Core (SCLC), Add	177.26	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.27	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	212.71	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	295.43	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	472.69	
		For >50 To 100, Deduct	-31.49	
		For >100, Deduct	-45.27	
08 14 16 00-0498	EA	3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	559.81	82.05
		For 7 Ply Cold Press Construction, Deduct	-7.91	
		For Stave Lumber Core (SLC), Add	296.78	
		For Structural Composite Lumber Core (SCLC), Add	178.07	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.49	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	213.68	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	296.78	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	474.85	
		For >50 To 100, Deduct	-32.09	
		For >100, Deduct	-46.09	
08 14 16 00-0499	EA	3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	603.28	82.05
		For 7 Ply Cold Press Construction, Deduct	-8.78	
		For Stave Lumber Core (SLC), Add	329.39	
		For Structural Composite Lumber Core (SCLC), Add	197.63	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	52.70	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	237.16	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	329.39	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	527.02	
		For >50 To 100, Deduct	-34.27	
		For >100, Deduct	-49.35	
08 14 16 00-0500	EA	3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	694.48	85.47
		For 7 Ply Cold Press Construction, Deduct	-10.47	
		For Stave Lumber Core (SLC), Add	392.66	
		For Structural Composite Lumber Core (SCLC), Add	235.59	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	62.82	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	282.71	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	392.66	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	628.25	
		For >50 To 100, Deduct	-39.00	
		For >100, Deduct	-56.36	
08 14 16 00-0501	EA	3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	749.60	85.47
		For 7 Ply Cold Press Construction, Deduct	-11.57	
		For Stave Lumber Core (SLC), Add	434.00	
		For Structural Composite Lumber Core (SCLC), Add	260.40	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	69.44	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	312.48	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	434.00	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	694.39	
		For >50 To 100, Deduct	-41.75	
		For >100, Deduct	-60.49	
08 14 16 00-0502	EA	4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	804.74	85.47
		For 7 Ply Cold Press Construction, Deduct	-12.68	
		For Stave Lumber Core (SLC), Add	475.35	
		For Structural Composite Lumber Core (SCLC), Add	285.21	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	76.06	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	342.25	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	475.35	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	760.56	
		For >50 To 100, Deduct	-44.51	
		For >100, Deduct	-64.63	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 14 16 00-0503 Luan Faced Wood Doors <small>(08 14 16 00-0409)</small></b>			
08 14 16 00-0504	EA 2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	451.80	75.21
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.16	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.74	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.03	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	361.64	
	For >50 To 100, Deduct	-26.35	
	For >100, Deduct	-37.65	
08 14 16 00-0505	EA 2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	451.80	75.21
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.16	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.74	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.03	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	361.64	
	For >50 To 100, Deduct	-26.35	
	For >100, Deduct	-37.65	
08 14 16 00-0506	EA 2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	459.51	78.63
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.27	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	163.21	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	226.68	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	362.69	
	For >50 To 100, Deduct	-26.91	
	For >100, Deduct	-38.40	
08 14 16 00-0507	EA 2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	468.19	78.63
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.31	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.90	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	233.19	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	373.10	
	For >50 To 100, Deduct	-27.34	
	For >100, Deduct	-39.05	
08 14 16 00-0508	EA 2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	471.33	78.63
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.69	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	169.59	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	235.55	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	376.87	
	For >50 To 100, Deduct	-27.50	
	For >100, Deduct	-39.28	
08 14 16 00-0509	EA 3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	481.30	82.05
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.06	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	171.29	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	237.90	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	380.64	
	For >50 To 100, Deduct	-28.17	
	For >100, Deduct	-40.20	
08 14 16 00-0510	EA 3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	509.97	82.05
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	41.50	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	186.77	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	259.40	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	415.04	
	For >50 To 100, Deduct	-29.60	
	For >100, Deduct	-42.35	
08 14 16 00-0511	EA 3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	541.47	85.47
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.46	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	200.09	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	277.90	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	444.64	
	For >50 To 100, Deduct	-31.35	
	For >100, Deduct	-44.88	
08 14 16 00-0512	EA 3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	560.00	85.47
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.69	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	210.09	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	291.80	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	466.87	
	For >50 To 100, Deduct	-32.27	
	For >100, Deduct	-46.27	
08 14 16 00-0513	EA 4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	597.07	85.47
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.14	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	230.11	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	319.60	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	511.36	
	For >50 To 100, Deduct	-34.13	
	For >100, Deduct	-49.05	
08 14 16 00-0514	EA 2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	469.32	75.21
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.27	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.20	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.17	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.67	
	For >50 To 100, Deduct	-27.23	
	For >100, Deduct	-38.96	
08 14 16 00-0515	EA 2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Luan Faced Wood Door	469.32	75.21
	For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.27	
	For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.20	
	For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.17	
	For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.67	
	For >50 To 100, Deduct	-27.23	
	For >100, Deduct	-38.96	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0516	EA	2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	477.09	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.38	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.70	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.87	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	383.78	
		For >50 To 100, Deduct	-27.79	
		For >100, Deduct	-39.71	
08 14 16 00-0517	EA	2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	486.27	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.48	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	177.66	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	246.75	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	394.80	
		For >50 To 100, Deduct	-28.25	
		For >100, Deduct	-40.40	
08 14 16 00-0518	EA	2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	489.62	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.88	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	179.47	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	249.26	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	398.82	
		For >50 To 100, Deduct	-28.41	
		For >100, Deduct	-40.65	
08 14 16 00-0519	EA	3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	499.76	82.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.28	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	181.26	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	251.75	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	402.79	
		For >50 To 100, Deduct	-29.09	
		For >100, Deduct	-41.58	
08 14 16 00-0520	EA	3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	530.09	82.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.92	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	197.63	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	274.49	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	439.19	
		For >50 To 100, Deduct	-30.61	
		For >100, Deduct	-43.86	
08 14 16 00-0521	EA	3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	563.04	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.05	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	211.73	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	294.08	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	470.52	
		For >50 To 100, Deduct	-32.43	
		For >100, Deduct	-46.50	
08 14 16 00-0522	EA	3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	582.64	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.40	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	222.32	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	308.78	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	494.04	
		For >50 To 100, Deduct	-33.41	
		For >100, Deduct	-47.97	
08 14 16 00-0523	EA	4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	621.88	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	54.11	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	243.51	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	338.21	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	541.13	
		For >50 To 100, Deduct	-35.37	
		For >100, Deduct	-50.91	
08 14 16 00-0524	EA	2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	531.48	75.21
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.73	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.77	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.79	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.26	
		For >50 To 100, Deduct	-30.33	
		For >100, Deduct	-43.62	
08 14 16 00-0525	EA	2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	531.48	75.21
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.73	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.77	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.79	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	457.26	
		For >50 To 100, Deduct	-30.33	
		For >100, Deduct	-43.62	
08 14 16 00-0526	EA	2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	539.43	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.86	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.37	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	286.62	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	458.59	
		For >50 To 100, Deduct	-30.90	
		For >100, Deduct	-44.39	
08 14 16 00-0527	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	550.44	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.18	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	212.31	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	294.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	471.80	
		For >50 To 100, Deduct	-31.45	
		For >100, Deduct	-45.21	
08 14 16 00-0528	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door	554.44	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.66	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	214.47	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	297.88	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	476.60	
		For >50 To 100, Deduct	-31.65	
		For >100, Deduct	-45.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0529	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	565.23 48.14 216.61 300.85 481.36 -32.36 -46.49	82.05
08 14 16 00-0530	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	601.48 52.49 236.19 328.04 524.86 -34.18 -49.21	82.05
08 14 16 00-0531	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	639.50 56.23 253.02 351.42 562.27 -36.25 -52.24	85.47
08 14 16 00-0532	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	662.91 59.04 265.66 368.98 590.36 -37.42 -53.99	85.47
08 14 16 00-0533	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), Lauan Faced Wood Door ..... For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add For >50 To 100, Deduct For >100, Deduct	709.82 64.67 291.00 404.16 646.66 -39.76 -57.51	85.47
<b>08 14 16 00-0534 Medium Density Overlay (MDO) Wood Doors (08 14 16 00-0409)</b>					
08 14 16 00-0535	EA		2'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	378.79 171.27 102.76 27.40 -22.70 -32.17	75.21
08 14 16 00-0536	EA		2'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	378.79 171.27 102.76 27.40 -22.70 -32.17	75.21
08 14 16 00-0537	EA		2'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	398.86 181.19 108.72 28.99 -23.87 -33.85	78.63
08 14 16 00-0538	EA		2'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	412.05 191.09 114.65 30.57 -24.53 -34.84	78.63
08 14 16 00-0539	EA		2'-10" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	414.51 192.93 115.76 30.87 -24.66 -35.02	78.63
08 14 16 00-0540	EA		3'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	423.83 194.80 116.88 31.17 -25.29 -35.89	82.05
08 14 16 00-0541	EA		3'-4" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	452.46 216.27 129.76 34.60 -26.73 -38.04	82.05
08 14 16 00-0542	EA		3'-6" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door ..... For Stave Lumber Core (SLC), Add For Structural Composite Lumber Core (SCLC), Add For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add For >50 To 100, Deduct For >100, Deduct	511.57 255.47 153.28 40.88 -29.85 -42.64	85.47

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0543	EA	3'-8" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	528.62	85.47
		For Stave Lumber Core (SLC), Add	268.26	
		For Structural Composite Lumber Core (SCLC), Add	160.96	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.92	
		For >50 To 100, Deduct	-30.70	
		For >100, Deduct	-43.92	
08 14 16 00-0544	EA	4'-0" x 6'-8" x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	562.65	85.47
		For Stave Lumber Core (SLC), Add	293.78	
		For Structural Composite Lumber Core (SCLC), Add	176.27	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	47.01	
		For >50 To 100, Deduct	-32.41	
		For >100, Deduct	-46.47	
08 14 16 00-0545	EA	2'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	392.09	75.21
		For Stave Lumber Core (SLC), Add	181.25	
		For Structural Composite Lumber Core (SCLC), Add	108.75	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.00	
		For >50 To 100, Deduct	-23.37	
		For >100, Deduct	-33.17	
08 14 16 00-0546	EA	2'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	392.09	75.21
		For Stave Lumber Core (SLC), Add	181.25	
		For Structural Composite Lumber Core (SCLC), Add	108.75	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.00	
		For >50 To 100, Deduct	-23.37	
		For >100, Deduct	-33.17	
08 14 16 00-0547	EA	2'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	412.93	78.63
		For Stave Lumber Core (SLC), Add	191.75	
		For Structural Composite Lumber Core (SCLC), Add	115.05	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.68	
		For >50 To 100, Deduct	-24.58	
		For >100, Deduct	-34.90	
08 14 16 00-0548	EA	2'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	426.89	78.63
		For Stave Lumber Core (SLC), Add	202.22	
		For Structural Composite Lumber Core (SCLC), Add	121.33	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.35	
		For >50 To 100, Deduct	-25.28	
		For >100, Deduct	-35.95	
08 14 16 00-0549	EA	2'-10" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	429.49	78.63
		For Stave Lumber Core (SLC), Add	204.17	
		For Structural Composite Lumber Core (SCLC), Add	122.50	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.67	
		For >50 To 100, Deduct	-25.41	
		For >100, Deduct	-36.14	
08 14 16 00-0550	EA	3'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	438.95	82.05
		For Stave Lumber Core (SLC), Add	206.14	
		For Structural Composite Lumber Core (SCLC), Add	123.68	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	32.98	
		For >50 To 100, Deduct	-26.05	
		For >100, Deduct	-37.02	
08 14 16 00-0551	EA	3'-4" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	469.23	82.05
		For Stave Lumber Core (SLC), Add	228.85	
		For Structural Composite Lumber Core (SCLC), Add	137.31	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.62	
		For >50 To 100, Deduct	-27.56	
		For >100, Deduct	-39.29	
08 14 16 00-0552	EA	3'-6" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	531.39	85.47
		For Stave Lumber Core (SLC), Add	270.34	
		For Structural Composite Lumber Core (SCLC), Add	162.20	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.25	
		For >50 To 100, Deduct	-30.84	
		For >100, Deduct	-44.13	
08 14 16 00-0553	EA	3'-8" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	549.43	85.47
		For Stave Lumber Core (SLC), Add	283.87	
		For Structural Composite Lumber Core (SCLC), Add	170.32	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.42	
		For >50 To 100, Deduct	-31.75	
		For >100, Deduct	-45.48	
08 14 16 00-0554	EA	4'-0" x 7' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	585.46	85.47
		For Stave Lumber Core (SLC), Add	310.89	
		For Structural Composite Lumber Core (SCLC), Add	186.53	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	49.74	
		For >50 To 100, Deduct	-33.55	
		For >100, Deduct	-48.18	
08 14 16 00-0555	EA	2'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	439.21	75.21
		For Stave Lumber Core (SLC), Add	216.59	
		For Structural Composite Lumber Core (SCLC), Add	129.95	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.65	
		For >50 To 100, Deduct	-25.72	
		For >100, Deduct	-36.70	
08 14 16 00-0556	EA	2'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	439.21	75.21
		For Stave Lumber Core (SLC), Add	216.59	
		For Structural Composite Lumber Core (SCLC), Add	129.95	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	34.65	
		For >50 To 100, Deduct	-25.72	
		For >100, Deduct	-36.70	
08 14 16 00-0557	EA	2'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door	462.78	78.63
		For Stave Lumber Core (SLC), Add	229.13	
		For Structural Composite Lumber Core (SCLC), Add	137.48	
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.66	
		For >50 To 100, Deduct	-27.07	
		For >100, Deduct	-38.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 16 00-0558	EA		2'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	479.48	78.63
			<i>For Stave Lumber Core (SLC), Add</i>	241.66	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	144.99	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	38.67	
			<i>For &gt;50 To 100, Deduct</i>	-27.91	
			<i>For &gt;100, Deduct</i>	-39.89	
08 14 16 00-0559	EA		2'-10" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	482.57	78.63
			<i>For Stave Lumber Core (SLC), Add</i>	243.98	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	146.39	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.04	
			<i>For &gt;50 To 100, Deduct</i>	-28.06	
			<i>For &gt;100, Deduct</i>	-40.12	
08 14 16 00-0560	EA		3'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	492.56	82.05
			<i>For Stave Lumber Core (SLC), Add</i>	246.35	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	147.81	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	39.42	
			<i>For &gt;50 To 100, Deduct</i>	-28.73	
			<i>For &gt;100, Deduct</i>	-41.04	
08 14 16 00-0561	EA		3'-4" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	528.73	82.05
			<i>For Stave Lumber Core (SLC), Add</i>	273.47	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	164.08	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	43.76	
			<i>For &gt;50 To 100, Deduct</i>	-30.54	
			<i>For &gt;100, Deduct</i>	-43.76	
08 14 16 00-0562	EA		3'-6" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	601.67	85.47
			<i>For Stave Lumber Core (SLC), Add</i>	323.05	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	193.83	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	51.69	
			<i>For &gt;50 To 100, Deduct</i>	-34.36	
			<i>For &gt;100, Deduct</i>	-49.40	
08 14 16 00-0563	EA		3'-8" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	623.24	85.47
			<i>For Stave Lumber Core (SLC), Add</i>	339.23	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	203.54	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	54.28	
			<i>For &gt;50 To 100, Deduct</i>	-35.44	
			<i>For &gt;100, Deduct</i>	-51.02	
08 14 16 00-0564	EA		4'-0" x 8' x 1-3/4" Thick, 5 Ply, Particleboard Core (PC), Medium Density Overlay (MDO) Faced Wood Door.....	666.29	85.47
			<i>For Stave Lumber Core (SLC), Add</i>	371.51	
			<i>For Structural Composite Lumber Core (SCLC), Add</i>	222.91	
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	59.44	
			<i>For &gt;50 To 100, Deduct</i>	-37.59	
			<i>For &gt;100, Deduct</i>	-54.25	
08 14 16 00-0565			<b>2-1/4" Thick, Particleboard Core (PC), Wood Doors</b> <small>(08 14 16)</small>		
			Note: PC = Particleboard, MDF, or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 16 00-0566			<b>Birch Faced Wood Doors</b> <small>(08 14 16 00-0565)</small>		
08 14 16 00-0567	EA		2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	369.63	75.21
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.38	
			<i>For Stave Lumber Core (SLC), Add</i>	76.72	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	26.30	
			<i>For &gt;10 To 50, Deduct</i>	-18.48	
			<i>For &gt;50 To 100, Deduct</i>	-22.24	
			<i>For &gt;100, Deduct</i>	-31.48	
08 14 16 00-0568	EA		2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	369.63	75.21
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.38	
			<i>For Stave Lumber Core (SLC), Add</i>	76.72	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	26.30	
			<i>For &gt;10 To 50, Deduct</i>	-18.48	
			<i>For &gt;50 To 100, Deduct</i>	-22.24	
			<i>For &gt;100, Deduct</i>	-31.48	
08 14 16 00-0569	EA		2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	387.94	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.61	
			<i>For Stave Lumber Core (SLC), Add</i>	80.73	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	27.68	
			<i>For &gt;10 To 50, Deduct</i>	-19.40	
			<i>For &gt;50 To 100, Deduct</i>	-23.33	
			<i>For &gt;100, Deduct</i>	-33.03	
08 14 16 00-0570	EA		2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	397.53	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.81	
			<i>For Stave Lumber Core (SLC), Add</i>	84.09	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	28.83	
			<i>For &gt;10 To 50, Deduct</i>	-19.88	
			<i>For &gt;50 To 100, Deduct</i>	-23.81	
			<i>For &gt;100, Deduct</i>	-33.75	
08 14 16 00-0571	EA		2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	403.97	78.63
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.93	
			<i>For Stave Lumber Core (SLC), Add</i>	86.35	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	29.60	
			<i>For &gt;10 To 50, Deduct</i>	-20.20	
			<i>For &gt;50 To 100, Deduct</i>	-24.13	
			<i>For &gt;100, Deduct</i>	-34.23	
08 14 16 00-0572	EA		3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	417.17	82.05
			<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.06	
			<i>For Stave Lumber Core (SLC), Add</i>	88.57	
			<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	30.37	
			<i>For &gt;10 To 50, Deduct</i>	-20.86	
			<i>For &gt;50 To 100, Deduct</i>	-24.96	
			<i>For &gt;100, Deduct</i>	-35.39	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0573	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	445.01	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.62	
		<i>For Stave Lumber Core (SLC), Add</i>	98.32	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	33.71	
		<i>For &gt;10 To 50, Deduct</i>	-22.25	
		<i>For &gt;50 To 100, Deduct</i>	-26.35	
		<i>For &gt;100, Deduct</i>	-37.48	
08 14 16 00-0574	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	511.99	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.82	
		<i>For Stave Lumber Core (SLC), Add</i>	119.37	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	40.93	
		<i>For &gt;10 To 50, Deduct</i>	-25.60	
		<i>For &gt;50 To 100, Deduct</i>	-29.87	
		<i>For &gt;100, Deduct</i>	-42.67	
08 14 16 00-0575	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	529.06	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.16	
		<i>For Stave Lumber Core (SLC), Add</i>	125.34	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	42.97	
		<i>For &gt;10 To 50, Deduct</i>	-26.45	
		<i>For &gt;50 To 100, Deduct</i>	-30.73	
		<i>For &gt;100, Deduct</i>	-43.95	
08 14 16 00-0576	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	576.82	92.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.84	
		<i>For Stave Lumber Core (SLC), Add</i>	137.27	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	47.06	
		<i>For &gt;10 To 50, Deduct</i>	-28.84	
		<i>For &gt;50 To 100, Deduct</i>	-33.46	
		<i>For &gt;100, Deduct</i>	-47.88	
08 14 16 00-0577	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	382.38	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.64	
		<i>For Stave Lumber Core (SLC), Add</i>	81.18	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	27.83	
		<i>For &gt;10 To 50, Deduct</i>	-19.12	
		<i>For &gt;50 To 100, Deduct</i>	-22.88	
		<i>For &gt;100, Deduct</i>	-32.44	
08 14 16 00-0578	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	382.38	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.64	
		<i>For Stave Lumber Core (SLC), Add</i>	81.18	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	27.83	
		<i>For &gt;10 To 50, Deduct</i>	-19.12	
		<i>For &gt;50 To 100, Deduct</i>	-22.88	
		<i>For &gt;100, Deduct</i>	-32.44	
08 14 16 00-0579	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	401.35	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-4.88	
		<i>For Stave Lumber Core (SLC), Add</i>	85.43	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	29.29	
		<i>For &gt;10 To 50, Deduct</i>	-20.07	
		<i>For &gt;50 To 100, Deduct</i>	-24.00	
		<i>For &gt;100, Deduct</i>	-34.03	
08 14 16 00-0580	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	411.53	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.09	
		<i>For Stave Lumber Core (SLC), Add</i>	88.99	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	30.51	
		<i>For &gt;10 To 50, Deduct</i>	-20.58	
		<i>For &gt;50 To 100, Deduct</i>	-24.51	
		<i>For &gt;100, Deduct</i>	-34.80	
08 14 16 00-0581	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	418.32	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.22	
		<i>For Stave Lumber Core (SLC), Add</i>	91.37	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	31.33	
		<i>For &gt;10 To 50, Deduct</i>	-20.92	
		<i>For &gt;50 To 100, Deduct</i>	-24.85	
		<i>For &gt;100, Deduct</i>	-35.31	
08 14 16 00-0582	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	431.90	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.36	
		<i>For Stave Lumber Core (SLC), Add</i>	93.73	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	32.14	
		<i>For &gt;10 To 50, Deduct</i>	-21.60	
		<i>For &gt;50 To 100, Deduct</i>	-25.70	
		<i>For &gt;100, Deduct</i>	-36.50	
08 14 16 00-0583	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	461.35	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.95	
		<i>For Stave Lumber Core (SLC), Add</i>	104.04	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	35.67	
		<i>For &gt;10 To 50, Deduct</i>	-23.07	
		<i>For &gt;50 To 100, Deduct</i>	-27.17	
		<i>For &gt;100, Deduct</i>	-38.70	
08 14 16 00-0584	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	531.84	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.22	
		<i>For Stave Lumber Core (SLC), Add</i>	126.32	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	43.31	
		<i>For &gt;10 To 50, Deduct</i>	-26.59	
		<i>For &gt;50 To 100, Deduct</i>	-30.87	
		<i>For &gt;100, Deduct</i>	-44.16	
08 14 16 00-0585	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door.....	549.90	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.58	
		<i>For Stave Lumber Core (SLC), Add</i>	132.64	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	45.48	
		<i>For &gt;10 To 50, Deduct</i>	-27.50	
		<i>For &gt;50 To 100, Deduct</i>	-31.77	
		<i>For &gt;100, Deduct</i>	-45.52	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0586	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	599.65		92.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.30		
		<i>For Stave Lumber Core (SLC), Add</i>	145.26		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	49.80		
		<i>For &gt;10 To 50, Deduct</i>	-29.98		
		<i>For &gt;50 To 100, Deduct</i>	-34.60		
		<i>For &gt;100, Deduct</i>	-49.59		
08 14 16 00-0587	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	428.78		75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.57		
		<i>For Stave Lumber Core (SLC), Add</i>	97.42		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	33.40		
		<i>For &gt;10 To 50, Deduct</i>	-21.44		
		<i>For &gt;50 To 100, Deduct</i>	-25.20		
		<i>For &gt;100, Deduct</i>	-35.92		
08 14 16 00-0588	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	428.78		75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.57		
		<i>For Stave Lumber Core (SLC), Add</i>	97.42		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	33.40		
		<i>For &gt;10 To 50, Deduct</i>	-21.44		
		<i>For &gt;50 To 100, Deduct</i>	-25.20		
		<i>For &gt;100, Deduct</i>	-35.92		
08 14 16 00-0589	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	450.17		78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-5.86		
		<i>For Stave Lumber Core (SLC), Add</i>	102.52		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	35.15		
		<i>For &gt;10 To 50, Deduct</i>	-22.51		
		<i>For &gt;50 To 100, Deduct</i>	-26.44		
		<i>For &gt;100, Deduct</i>	-37.69		
08 14 16 00-0590	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	462.37		78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.10		
		<i>For Stave Lumber Core (SLC), Add</i>	106.79		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	36.61		
		<i>For &gt;10 To 50, Deduct</i>	-23.12		
		<i>For &gt;50 To 100, Deduct</i>	-27.05		
		<i>For &gt;100, Deduct</i>	-38.61		
08 14 16 00-0591	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	470.53		78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.27		
		<i>For Stave Lumber Core (SLC), Add</i>	109.64		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	37.59		
		<i>For &gt;10 To 50, Deduct</i>	-23.53		
		<i>For &gt;50 To 100, Deduct</i>	-27.46		
		<i>For &gt;100, Deduct</i>	-39.22		
08 14 16 00-0592	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	485.44		82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-6.43		
		<i>For Stave Lumber Core (SLC), Add</i>	112.47		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	38.56		
		<i>For &gt;10 To 50, Deduct</i>	-24.27		
		<i>For &gt;50 To 100, Deduct</i>	-28.37		
		<i>For &gt;100, Deduct</i>	-40.51		
08 14 16 00-0593	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	520.81		82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.13		
		<i>For Stave Lumber Core (SLC), Add</i>	124.85		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	42.81		
		<i>For &gt;10 To 50, Deduct</i>	-26.04		
		<i>For &gt;50 To 100, Deduct</i>	-30.14		
		<i>For &gt;100, Deduct</i>	-43.16		
08 14 16 00-0594	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	604.03		85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.66		
		<i>For Stave Lumber Core (SLC), Add</i>	151.58		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	51.97		
		<i>For &gt;10 To 50, Deduct</i>	-30.20		
		<i>For &gt;50 To 100, Deduct</i>	-34.48		
		<i>For &gt;100, Deduct</i>	-49.58		
08 14 16 00-0595	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	625.70		85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.10		
		<i>For Stave Lumber Core (SLC), Add</i>	159.17		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	54.57		
		<i>For &gt;10 To 50, Deduct</i>	-31.29		
		<i>For &gt;50 To 100, Deduct</i>	-35.56		
		<i>For &gt;100, Deduct</i>	-51.20		
08 14 16 00-0596	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Birch Faced Wood Door	682.65		92.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.96		
		<i>For Stave Lumber Core (SLC), Add</i>	174.31		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	59.76		
		<i>For &gt;10 To 50, Deduct</i>	-34.13		
		<i>For &gt;50 To 100, Deduct</i>	-38.75		
		<i>For &gt;100, Deduct</i>	-55.81		
08 14 16 00-0597		<b>Oak Faced Wood Doors</b> (08 14 16 00-0565)			
08 14 16 00-0598	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	616.76		75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.33		
		<i>For Stave Lumber Core (SLC), Add</i>	163.22		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	55.96		
		<i>For &gt;10 To 50, Deduct</i>	-30.84		
		<i>For &gt;50 To 100, Deduct</i>	-34.60		
		<i>For &gt;100, Deduct</i>	-50.02		



**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0599	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	616.76	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.33	
		<i>For Stave Lumber Core (SLC), Add</i>	163.22	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	55.96	
		<i>For &gt;10 To 50, Deduct</i>	-30.84	
		<i>For &gt;50 To 100, Deduct</i>	-34.60	
		<i>For &gt;100, Deduct</i>	-50.02	
08 14 16 00-0600	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	623.60	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.33	
		<i>For Stave Lumber Core (SLC), Add</i>	163.22	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	55.96	
		<i>For &gt;10 To 50, Deduct</i>	-31.18	
		<i>For &gt;50 To 100, Deduct</i>	-35.11	
		<i>For &gt;100, Deduct</i>	-50.70	
08 14 16 00-0601	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	628.44	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.42	
		<i>For Stave Lumber Core (SLC), Add</i>	164.91	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	56.54	
		<i>For &gt;10 To 50, Deduct</i>	-31.42	
		<i>For &gt;50 To 100, Deduct</i>	-35.35	
		<i>For &gt;100, Deduct</i>	-51.06	
08 14 16 00-0602	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	630.59	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.47	
		<i>For Stave Lumber Core (SLC), Add</i>	165.66	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	56.80	
		<i>For &gt;10 To 50, Deduct</i>	-31.53	
		<i>For &gt;50 To 100, Deduct</i>	-35.46	
		<i>For &gt;100, Deduct</i>	-51.23	
08 14 16 00-0603	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	639.57	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.51	
		<i>For Stave Lumber Core (SLC), Add</i>	166.41	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	57.06	
		<i>For &gt;10 To 50, Deduct</i>	-31.98	
		<i>For &gt;50 To 100, Deduct</i>	-36.08	
		<i>For &gt;100, Deduct</i>	-52.07	
08 14 16 00-0604	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	691.83	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.55	
		<i>For Stave Lumber Core (SLC), Add</i>	184.71	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	63.33	
		<i>For &gt;10 To 50, Deduct</i>	-34.59	
		<i>For &gt;50 To 100, Deduct</i>	-38.69	
		<i>For &gt;100, Deduct</i>	-55.99	
08 14 16 00-0605	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	833.15	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.24	
		<i>For Stave Lumber Core (SLC), Add</i>	231.77	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	79.47	
		<i>For &gt;10 To 50, Deduct</i>	-41.66	
		<i>For &gt;50 To 100, Deduct</i>	-45.93	
		<i>For &gt;100, Deduct</i>	-66.76	
08 14 16 00-0606	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	866.71	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.92	
		<i>For Stave Lumber Core (SLC), Add</i>	243.52	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	83.49	
		<i>For &gt;10 To 50, Deduct</i>	-43.34	
		<i>For &gt;50 To 100, Deduct</i>	-47.61	
		<i>For &gt;100, Deduct</i>	-69.28	
08 14 16 00-0607	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	946.16	92.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-15.23	
		<i>For Stave Lumber Core (SLC), Add</i>	266.54	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	91.38	
		<i>For &gt;10 To 50, Deduct</i>	-47.31	
		<i>For &gt;50 To 100, Deduct</i>	-51.92	
		<i>For &gt;100, Deduct</i>	-75.58	
08 14 16 00-0608	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	643.91	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.87	
		<i>For Stave Lumber Core (SLC), Add</i>	172.72	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	59.22	
		<i>For &gt;10 To 50, Deduct</i>	-32.20	
		<i>For &gt;50 To 100, Deduct</i>	-35.96	
		<i>For &gt;100, Deduct</i>	-52.05	
08 14 16 00-0609	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	643.91	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.87	
		<i>For Stave Lumber Core (SLC), Add</i>	172.72	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	59.22	
		<i>For &gt;10 To 50, Deduct</i>	-32.20	
		<i>For &gt;50 To 100, Deduct</i>	-35.96	
		<i>For &gt;100, Deduct</i>	-52.05	
08 14 16 00-0610	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	650.75	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.87	
		<i>For Stave Lumber Core (SLC), Add</i>	172.72	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	59.22	
		<i>For &gt;10 To 50, Deduct</i>	-32.54	
		<i>For &gt;50 To 100, Deduct</i>	-36.47	
		<i>For &gt;100, Deduct</i>	-52.74	
08 14 16 00-0611	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	655.84	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.97	
		<i>For Stave Lumber Core (SLC), Add</i>	174.50	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	59.83	
		<i>For &gt;10 To 50, Deduct</i>	-32.79	
		<i>For &gt;50 To 100, Deduct</i>	-36.72	
		<i>For &gt;100, Deduct</i>	-53.12	



MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0612	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	658.13		78.63
		For 7 Ply Cold Press Construction, Deduct	-10.02		
		For Stave Lumber Core (SLC), Add	175.30		
		For Commercial Grade 45 Minute Fire Rated Door, Add	60.10		
		For >10 To 50, Deduct	-32.91		
		For >50 To 100, Deduct	-36.84		
		For >100, Deduct	-53.29		
08 14 16 00-0613	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	667.26		82.05
		For 7 Ply Cold Press Construction, Deduct	-10.06		
		For Stave Lumber Core (SLC), Add	176.11		
		For Commercial Grade 45 Minute Fire Rated Door, Add	60.38		
		For >10 To 50, Deduct	-33.36		
		For >50 To 100, Deduct	-37.47		
		For >100, Deduct	-54.15		
08 14 16 00-0614	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	722.53		82.05
		For 7 Ply Cold Press Construction, Deduct	-11.17		
		For Stave Lumber Core (SLC), Add	195.45		
		For Commercial Grade 45 Minute Fire Rated Door, Add	67.01		
		For >10 To 50, Deduct	-36.13		
		For >50 To 100, Deduct	-40.23		
		For >100, Deduct	-58.29		
08 14 16 00-0615	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	871.69		85.47
		For 7 Ply Cold Press Construction, Deduct	-14.02		
		For Stave Lumber Core (SLC), Add	245.26		
		For Commercial Grade 45 Minute Fire Rated Door, Add	84.09		
		For >10 To 50, Deduct	-43.58		
		For >50 To 100, Deduct	-47.86		
		For >100, Deduct	-69.65		
08 14 16 00-0616	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	907.19		85.47
		For 7 Ply Cold Press Construction, Deduct	-14.73		
		For Stave Lumber Core (SLC), Add	257.69		
		For Commercial Grade 45 Minute Fire Rated Door, Add	88.35		
		For >10 To 50, Deduct	-45.36		
		For >50 To 100, Deduct	-49.63		
		For >100, Deduct	-72.31		
08 14 16 00-0617	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	990.47		92.31
		For 7 Ply Cold Press Construction, Deduct	-16.12		
		For Stave Lumber Core (SLC), Add	282.05		
		For Commercial Grade 45 Minute Fire Rated Door, Add	96.70		
		For >10 To 50, Deduct	-49.52		
		For >50 To 100, Deduct	-54.14		
		For >100, Deduct	-78.90		
08 14 16 00-0618	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	742.60		75.21
		For 7 Ply Cold Press Construction, Deduct	-11.84		
		For Stave Lumber Core (SLC), Add	207.26		
		For Commercial Grade 45 Minute Fire Rated Door, Add	71.06		
		For >10 To 50, Deduct	-37.13		
		For >50 To 100, Deduct	-40.89		
		For >100, Deduct	-59.46		
08 14 16 00-0619	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	742.60		75.21
		For 7 Ply Cold Press Construction, Deduct	-11.84		
		For Stave Lumber Core (SLC), Add	207.26		
		For Commercial Grade 45 Minute Fire Rated Door, Add	71.06		
		For >10 To 50, Deduct	-37.13		
		For >50 To 100, Deduct	-40.89		
		For >100, Deduct	-59.46		
08 14 16 00-0620	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	749.44		78.63
		For 7 Ply Cold Press Construction, Deduct	-11.84		
		For Stave Lumber Core (SLC), Add	207.26		
		For Commercial Grade 45 Minute Fire Rated Door, Add	71.06		
		For >10 To 50, Deduct	-37.47		
		For >50 To 100, Deduct	-41.40		
		For >100, Deduct	-60.14		
08 14 16 00-0621	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	755.57		78.63
		For 7 Ply Cold Press Construction, Deduct	-11.97		
		For Stave Lumber Core (SLC), Add	209.41		
		For Commercial Grade 45 Minute Fire Rated Door, Add	71.80		
		For >10 To 50, Deduct	-37.78		
		For >50 To 100, Deduct	-41.71		
		For >100, Deduct	-60.60		
08 14 16 00-0622	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	758.29		78.63
		For 7 Ply Cold Press Construction, Deduct	-12.02		
		For Stave Lumber Core (SLC), Add	210.36		
		For Commercial Grade 45 Minute Fire Rated Door, Add	72.12		
		For >10 To 50, Deduct	-37.91		
		For >50 To 100, Deduct	-41.85		
		For >100, Deduct	-60.80		
08 14 16 00-0623	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	767.88		82.05
		For 7 Ply Cold Press Construction, Deduct	-12.08		
		For Stave Lumber Core (SLC), Add	211.32		
		For Commercial Grade 45 Minute Fire Rated Door, Add	72.45		
		For >10 To 50, Deduct	-38.39		
		For >50 To 100, Deduct	-42.50		
		For >100, Deduct	-61.69		
08 14 16 00-0624	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door.....	834.22		82.05
		For 7 Ply Cold Press Construction, Deduct	-13.40		
		For Stave Lumber Core (SLC), Add	234.54		
		For Commercial Grade 45 Minute Fire Rated Door, Add	80.41		
		For >10 To 50, Deduct	-41.71		
		For >50 To 100, Deduct	-45.81		
		For >100, Deduct	-66.67		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0625	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,011.83	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-16.82	
		<i>For Stave Lumber Core (SLC), Add</i>	294.31	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	100.91	
		<i>For &gt;10 To 50, Deduct</i>	-50.59	
		<i>For &gt;50 To 100, Deduct</i>	-54.87	
		<i>For &gt;100, Deduct</i>	-80.16	
08 14 16 00-0626	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,054.45	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-17.67	
		<i>For Stave Lumber Core (SLC), Add</i>	309.23	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	106.02	
		<i>For &gt;10 To 50, Deduct</i>	-52.72	
		<i>For &gt;50 To 100, Deduct</i>	-57.00	
		<i>For &gt;100, Deduct</i>	-83.36	
08 14 16 00-0627	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Oak Faced Wood Door	1,151.63	92.31
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-19.34	
		<i>For Stave Lumber Core (SLC), Add</i>	338.45	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	116.04	
		<i>For &gt;10 To 50, Deduct</i>	-57.58	
		<i>For &gt;50 To 100, Deduct</i>	-62.20	
		<i>For &gt;100, Deduct</i>	-90.99	

**08 14 16 00-0628 Maple Faced Wood Doors** (08 14 16 00-0565)

08 14 16 00-0629	EA	2'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	545.03	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.89	
		<i>For Stave Lumber Core (SLC), Add</i>	138.11	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	47.35	
		<i>For &gt;10 To 50, Deduct</i>	-27.25	
		<i>For &gt;50 To 100, Deduct</i>	-31.01	
		<i>For &gt;100, Deduct</i>	-44.64	
08 14 16 00-0630	EA	2'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	545.03	75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.89	
		<i>For Stave Lumber Core (SLC), Add</i>	138.11	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	47.35	
		<i>For &gt;10 To 50, Deduct</i>	-27.25	
		<i>For &gt;50 To 100, Deduct</i>	-31.01	
		<i>For &gt;100, Deduct</i>	-44.64	
08 14 16 00-0631	EA	2'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	551.87	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.89	
		<i>For Stave Lumber Core (SLC), Add</i>	138.11	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	47.35	
		<i>For &gt;10 To 50, Deduct</i>	-27.59	
		<i>For &gt;50 To 100, Deduct</i>	-31.53	
		<i>For &gt;100, Deduct</i>	-45.32	
08 14 16 00-0632	EA	2'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	555.96	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-7.97	
		<i>For Stave Lumber Core (SLC), Add</i>	139.54	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	47.84	
		<i>For &gt;10 To 50, Deduct</i>	-27.80	
		<i>For &gt;50 To 100, Deduct</i>	-31.73	
		<i>For &gt;100, Deduct</i>	-45.63	
08 14 16 00-0633	EA	2'-10" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	557.78	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.01	
		<i>For Stave Lumber Core (SLC), Add</i>	140.18	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	48.06	
		<i>For &gt;10 To 50, Deduct</i>	-27.89	
		<i>For &gt;50 To 100, Deduct</i>	-31.82	
		<i>For &gt;100, Deduct</i>	-45.77	
08 14 16 00-0634	EA	3'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	566.43	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.05	
		<i>For Stave Lumber Core (SLC), Add</i>	140.82	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	48.28	
		<i>For &gt;10 To 50, Deduct</i>	-28.32	
		<i>For &gt;50 To 100, Deduct</i>	-32.42	
		<i>For &gt;100, Deduct</i>	-46.58	
08 14 16 00-0635	EA	3'-4" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	610.63	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.93	
		<i>For Stave Lumber Core (SLC), Add</i>	156.29	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	53.58	
		<i>For &gt;10 To 50, Deduct</i>	-30.53	
		<i>For &gt;50 To 100, Deduct</i>	-34.63	
		<i>For &gt;100, Deduct</i>	-49.90	
08 14 16 00-0636	EA	3'-6" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	703.25	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.65	
		<i>For Stave Lumber Core (SLC), Add</i>	186.31	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	63.88	
		<i>For &gt;10 To 50, Deduct</i>	-35.16	
		<i>For &gt;50 To 100, Deduct</i>	-39.44	
		<i>For &gt;100, Deduct</i>	-57.02	
08 14 16 00-0637	EA	3'-8" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	759.30	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.77	
		<i>For Stave Lumber Core (SLC), Add</i>	205.93	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	70.60	
		<i>For &gt;10 To 50, Deduct</i>	-37.97	
		<i>For &gt;50 To 100, Deduct</i>	-42.24	
		<i>For &gt;100, Deduct</i>	-61.22	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 16 00-0638	EA	4'-0" x 6'-8" x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	815.35		85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.89		
		<i>For Stave Lumber Core (SLC), Add</i>	225.54		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	77.33		
		<i>For &gt;10 To 50, Deduct</i>	-40.77		
		<i>For &gt;50 To 100, Deduct</i>	-45.04		
		<i>For &gt;100, Deduct</i>	-65.42		
08 14 16 00-0639	EA	2'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	567.99		75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.35		
		<i>For Stave Lumber Core (SLC), Add</i>	146.15		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.11		
		<i>For &gt;10 To 50, Deduct</i>	-28.40		
		<i>For &gt;50 To 100, Deduct</i>	-32.16		
		<i>For &gt;100, Deduct</i>	-46.36		
08 14 16 00-0640	EA	2'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	567.99		75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.35		
		<i>For Stave Lumber Core (SLC), Add</i>	146.15		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.11		
		<i>For &gt;10 To 50, Deduct</i>	-28.40		
		<i>For &gt;50 To 100, Deduct</i>	-32.16		
		<i>For &gt;100, Deduct</i>	-46.36		
08 14 16 00-0641	EA	2'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	574.83		78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.35		
		<i>For Stave Lumber Core (SLC), Add</i>	146.15		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.11		
		<i>For &gt;10 To 50, Deduct</i>	-28.74		
		<i>For &gt;50 To 100, Deduct</i>	-32.67		
		<i>For &gt;100, Deduct</i>	-47.04		
08 14 16 00-0642	EA	2'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	579.15		78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.44		
		<i>For Stave Lumber Core (SLC), Add</i>	147.66		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.63		
		<i>For &gt;10 To 50, Deduct</i>	-28.96		
		<i>For &gt;50 To 100, Deduct</i>	-32.89		
		<i>For &gt;100, Deduct</i>	-47.37		
08 14 16 00-0643	EA	2'-10" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	581.07		78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.48		
		<i>For Stave Lumber Core (SLC), Add</i>	148.33		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	50.86		
		<i>For &gt;10 To 50, Deduct</i>	-29.05		
		<i>For &gt;50 To 100, Deduct</i>	-32.99		
		<i>For &gt;100, Deduct</i>	-47.51		
08 14 16 00-0644	EA	3'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	589.84		82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-8.51		
		<i>For Stave Lumber Core (SLC), Add</i>	149.01		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	51.09		
		<i>For &gt;10 To 50, Deduct</i>	-29.49		
		<i>For &gt;50 To 100, Deduct</i>	-33.59		
		<i>For &gt;100, Deduct</i>	-48.34		
08 14 16 00-0645	EA	3'-4" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	636.62		82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-9.45		
		<i>For Stave Lumber Core (SLC), Add</i>	165.38		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	56.70		
		<i>For &gt;10 To 50, Deduct</i>	-31.83		
		<i>For &gt;50 To 100, Deduct</i>	-35.93		
		<i>For &gt;100, Deduct</i>	-51.85		
08 14 16 00-0646	EA	3'-6" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	734.24		85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.27		
		<i>For Stave Lumber Core (SLC), Add</i>	197.16		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	67.60		
		<i>For &gt;10 To 50, Deduct</i>	-36.71		
		<i>For &gt;50 To 100, Deduct</i>	-40.99		
		<i>For &gt;100, Deduct</i>	-59.34		
08 14 16 00-0647	EA	3'-8" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	794.05		85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-12.46		
		<i>For Stave Lumber Core (SLC), Add</i>	218.09		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	74.77		
		<i>For &gt;10 To 50, Deduct</i>	-39.70		
		<i>For &gt;50 To 100, Deduct</i>	-43.98		
		<i>For &gt;100, Deduct</i>	-63.83		
08 14 16 00-0648	EA	4'-0" x 7' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	852.83		85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.64		
		<i>For Stave Lumber Core (SLC), Add</i>	238.66		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	81.83		
		<i>For &gt;10 To 50, Deduct</i>	-42.64		
		<i>For &gt;50 To 100, Deduct</i>	-46.92		
		<i>For &gt;100, Deduct</i>	-68.24		
08 14 16 00-0649	EA	2'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	651.49		75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.02		
		<i>For Stave Lumber Core (SLC), Add</i>	175.37		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	60.13		
		<i>For &gt;10 To 50, Deduct</i>	-32.57		
		<i>For &gt;50 To 100, Deduct</i>	-36.34		
		<i>For &gt;100, Deduct</i>	-52.62		
08 14 16 00-0650	EA	2'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door	651.49		75.21
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.02		
		<i>For Stave Lumber Core (SLC), Add</i>	175.37		
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	60.13		
		<i>For &gt;10 To 50, Deduct</i>	-32.57		
		<i>For &gt;50 To 100, Deduct</i>	-36.34		
		<i>For &gt;100, Deduct</i>	-52.62		

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 16 00-0651	EA	2'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	658.33	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.02	
		<i>For Stave Lumber Core (SLC), Add</i>	175.37	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	60.13	
		<i>For &gt;10 To 50, Deduct</i>	-32.92	
		<i>For &gt;50 To 100, Deduct</i>	-36.85	
		<i>For &gt;100, Deduct</i>	-53.31	
08 14 16 00-0652	EA	2'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	663.51	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.12	
		<i>For Stave Lumber Core (SLC), Add</i>	177.18	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	60.75	
		<i>For &gt;10 To 50, Deduct</i>	-33.18	
		<i>For &gt;50 To 100, Deduct</i>	-37.11	
		<i>For &gt;100, Deduct</i>	-53.70	
08 14 16 00-0653	EA	2'-10" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	665.83	78.63
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.17	
		<i>For Stave Lumber Core (SLC), Add</i>	178.00	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	61.03	
		<i>For &gt;10 To 50, Deduct</i>	-33.29	
		<i>For &gt;50 To 100, Deduct</i>	-37.22	
		<i>For &gt;100, Deduct</i>	-53.87	
08 14 16 00-0654	EA	3'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	674.99	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-10.22	
		<i>For Stave Lumber Core (SLC), Add</i>	178.81	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	61.31	
		<i>For &gt;10 To 50, Deduct</i>	-33.75	
		<i>For &gt;50 To 100, Deduct</i>	-37.85	
		<i>For &gt;100, Deduct</i>	-54.73	
08 14 16 00-0655	EA	3'-4" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	731.11	82.05
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-11.34	
		<i>For Stave Lumber Core (SLC), Add</i>	198.45	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	68.04	
		<i>For &gt;10 To 50, Deduct</i>	-36.56	
		<i>For &gt;50 To 100, Deduct</i>	-40.66	
		<i>For &gt;100, Deduct</i>	-58.94	
08 14 16 00-0656	EA	3'-6" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	846.87	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-13.52	
		<i>For Stave Lumber Core (SLC), Add</i>	236.58	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	81.11	
		<i>For &gt;10 To 50, Deduct</i>	-42.34	
		<i>For &gt;50 To 100, Deduct</i>	-46.62	
		<i>For &gt;100, Deduct</i>	-67.79	
08 14 16 00-0657	EA	3'-8" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	918.08	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-14.94	
		<i>For Stave Lumber Core (SLC), Add</i>	261.50	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	89.66	
		<i>For &gt;10 To 50, Deduct</i>	-45.90	
		<i>For &gt;50 To 100, Deduct</i>	-50.18	
		<i>For &gt;100, Deduct</i>	-73.13	
08 14 16 00-0658	EA	4'-0" x 8' x 2-1/4" Thick, 5 Ply, Particleboard Core (PC), Maple Faced Wood Door.....	989.21	85.47
		<i>For 7 Ply Cold Press Construction, Deduct</i>	-16.37	
		<i>For Stave Lumber Core (SLC), Add</i>	286.39	
		<i>For Commercial Grade 45 Minute Fire Rated Door, Add</i>	98.19	
		<i>For &gt;10 To 50, Deduct</i>	-49.46	
		<i>For &gt;50 To 100, Deduct</i>	-53.73	
		<i>For &gt;100, Deduct</i>	-78.46	

**08 14 16 00-0659 Manufacturer Prefinished Options For Flush Wood Doors (08 14 16)**

08 14 16 00-0660	EA	Two Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	75.68	
		Note: Includes (2) coats any standard manufacturer color on six sides.		
		<i>For Custom Color To Match Non-Standard Manufacturer Finish, Add</i>	25.20	
08 14 16 00-0661	SF	For Expanded Metal Lite Guard, Add.....	57.35	
08 14 16 00-0662	EA	Three Coats, Clear Or Colored Catalyzed Polyurethane Factory Finish For Flush Wood Door.....	113.52	
		Note: Includes (3) coats any standard manufacturer color on six sides.		
		<i>For Custom Color To Match Non-Standard Manufacturer Finish, Add</i>	25.20	

**08 14 23 Clad Wood Doors (08 14)****08 14 23 13 Metal-Faced Wood Doors (08 14 23)**

See CSI section 08 70 00 00-0000 for finish hardware.

**08 14 23 13-0001 24 Gauge Metal Clad Door, 1-3/4" Thick, Solid Staved Wood Core (08 14 23 13)**

08 14 23 13-0002	EA	2' 6" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	695.70	168.21
08 14 23 13-0003	EA	2' 8" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	746.74	184.62
08 14 23 13-0004	EA	2' 10" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	806.02	203.76
08 14 23 13-0005	EA	3'-0" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	840.53	210.60
08 14 23 13-0006	EA	3' 4" x 7' x 1-3/4" Thick, 24 Gauge Metal Clad, Solid Staved Wood Core, Flush Type Door.....	903.73	231.79
08 14 23 13-0007	EA	3' 8" x 7' x 1-3/4" Thick, Metal Clad Door, Solid Staved Wood Core, Flush Type Door.....	971.17	239.32

**08 14 23 16 Plastic-Laminate-Faced Wood Doors (08 14 23)****08 14 23 16-0001 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)**

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0002	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	321.78 77.11 6.00 -19.85 -27.89	75.21
08 14 23 16-0003	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	321.78 77.11 6.00 -19.85 -27.89	75.21
08 14 23 16-0004	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	338.05 81.35 6.33 -20.83 -29.29	78.63
08 14 23 16-0005	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	347.47 85.59 6.66 -21.31 -29.99	78.63
08 14 23 16-0006	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	352.23 87.73 6.82 -21.54 -30.35	78.63
08 14 23 16-0007	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	363.79 89.86 6.99 -22.29 -31.39	82.05
08 14 23 16-0008	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	385.75 99.74 7.76 -23.39 -33.03	82.05
08 14 23 16-0009	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	406.77 106.12 8.25 -24.61 -34.78	85.47
08 14 23 16-0010	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	331.75 81.59 6.35 -20.35 -28.64	75.21
08 14 23 16-0011	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	331.75 81.59 6.35 -20.35 -28.64	75.21
08 14 23 16-0012	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	348.57 86.09 6.70 -21.36 -30.07	78.63
08 14 23 16-0013	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	358.54 90.57 7.04 -21.86 -30.82	78.63
08 14 23 16-0014	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	363.57 92.84 7.22 -22.11 -31.20	78.63
08 14 23 16-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	375.41 95.09 7.40 -22.87 -32.26	82.05
08 14 23 16-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door ..... <i>For Structural Composite Lumber Core (SCLC), Add</i> <i>For 5 Ply Construction, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	398.64 105.54 8.21 -24.03 -34.00	82.05

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 14 23 16-0017	EA	3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	420.49	85.47
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	112.30	
		<i>For 5 Ply Construction, Add</i>	8.73	
		<i>For &gt;50 To 100, Deduct</i>	-25.30	
		<i>For &gt;100, Deduct</i>	-35.81	
08 14 23 16-0018	EA	2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	367.11	75.21
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.51	
		<i>For 5 Ply Construction, Add</i>	7.58	
		<i>For &gt;50 To 100, Deduct</i>	-22.12	
		<i>For &gt;100, Deduct</i>	-31.29	
08 14 23 16-0019	EA	2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	367.11	75.21
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	97.51	
		<i>For 5 Ply Construction, Add</i>	7.58	
		<i>For &gt;50 To 100, Deduct</i>	-22.12	
		<i>For &gt;100, Deduct</i>	-31.29	
08 14 23 16-0020	EA	2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	385.88	78.63
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	102.87	
		<i>For 5 Ply Construction, Add</i>	8.00	
		<i>For &gt;50 To 100, Deduct</i>	-23.23	
		<i>For &gt;100, Deduct</i>	-32.87	
08 14 23 16-0021	EA	2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	397.79	78.63
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	108.23	
		<i>For 5 Ply Construction, Add</i>	8.42	
		<i>For &gt;50 To 100, Deduct</i>	-23.82	
		<i>For &gt;100, Deduct</i>	-33.77	
08 14 23 16-0022	EA	2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	403.80	78.63
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	110.94	
		<i>For 5 Ply Construction, Add</i>	8.63	
		<i>For &gt;50 To 100, Deduct</i>	-24.12	
		<i>For &gt;100, Deduct</i>	-34.22	
08 14 23 16-0023	EA	3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	416.62	82.05
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	113.63	
		<i>For 5 Ply Construction, Add</i>	8.84	
		<i>For &gt;50 To 100, Deduct</i>	-24.93	
		<i>For &gt;100, Deduct</i>	-35.35	
08 14 23 16-0024	EA	3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	444.38	82.05
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	126.13	
		<i>For 5 Ply Construction, Add</i>	9.81	
		<i>For &gt;50 To 100, Deduct</i>	-26.32	
		<i>For &gt;100, Deduct</i>	-37.43	
08 14 23 16-0025	EA	3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	469.15	85.47
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	134.19	
		<i>For 5 Ply Construction, Add</i>	10.44	
		<i>For &gt;50 To 100, Deduct</i>	-27.73	
		<i>For &gt;100, Deduct</i>	-39.46	

08 14 23 16-0026 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Doors (08 14 23 16)

Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.

08 14 23 16-0027	EA	2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	442.36	75.21
		<i>For 5 Ply Construction, Add</i>	10.22	
		<i>For Stave Lumber Core (SLC), Add</i>	218.95	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	131.37	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.03	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	157.64	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.95	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	350.32	
		<i>For &gt;50 To 100, Deduct</i>	-25.88	
		<i>For &gt;100, Deduct</i>	-36.94	
08 14 23 16-0028	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	442.35	75.21
		<i>For 5 Ply Construction, Add</i>	10.22	
		<i>For Stave Lumber Core (SLC), Add</i>	218.94	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	131.36	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.03	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	157.64	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	218.94	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	350.30	
		<i>For &gt;50 To 100, Deduct</i>	-25.88	
		<i>For &gt;100, Deduct</i>	-36.94	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	458.32	78.63
			For 5 Ply Construction, Add	10.54	
			For Stave Lumber Core (SLC), Add	225.79	
			For Structural Composite Lumber Core (SCLC), Add	135.47	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.13	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.57	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	225.79	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	361.26	
			For >50 To 100, Deduct	-26.85	
			For >100, Deduct	-38.31	
08 14 23 16-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	458.32	78.63
			For 5 Ply Construction, Add	10.54	
			For Stave Lumber Core (SLC), Add	225.79	
			For Structural Composite Lumber Core (SCLC), Add	135.47	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	36.13	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	162.57	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	225.79	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	361.26	
			For >50 To 100, Deduct	-26.85	
			For >100, Deduct	-38.31	
08 14 23 16-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	476.40	78.63
			For 5 Ply Construction, Add	11.17	
			For Stave Lumber Core (SLC), Add	239.35	
			For Structural Composite Lumber Core (SCLC), Add	143.61	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.33	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	239.35	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.96	
			For >50 To 100, Deduct	-27.75	
			For >100, Deduct	-39.66	
08 14 23 16-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	501.31	82.05
			For 5 Ply Construction, Add	11.80	
			For Stave Lumber Core (SLC), Add	252.91	
			For Structural Composite Lumber Core (SCLC), Add	151.74	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.47	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.09	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	252.91	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	404.65	
			For >50 To 100, Deduct	-29.17	
			For >100, Deduct	-41.70	
08 14 23 16-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	519.79	82.05
			For 5 Ply Construction, Add	12.45	
			For Stave Lumber Core (SLC), Add	266.77	
			For Structural Composite Lumber Core (SCLC), Add	160.06	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.68	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	192.07	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	266.77	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	426.83	
			For >50 To 100, Deduct	-30.09	
			For >100, Deduct	-43.09	
08 14 23 16-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	535.86	85.47
			For 5 Ply Construction, Add	12.77	
			For Stave Lumber Core (SLC), Add	273.69	
			For Structural Composite Lumber Core (SCLC), Add	164.21	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	43.79	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	197.06	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	273.69	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	437.90	
			For >50 To 100, Deduct	-31.07	
			For >100, Deduct	-44.46	
08 14 23 16-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	554.10	85.47
			For 5 Ply Construction, Add	13.41	
			For Stave Lumber Core (SLC), Add	287.37	
			For Structural Composite Lumber Core (SCLC), Add	172.42	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.98	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	206.91	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	287.37	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	459.79	
			For >50 To 100, Deduct	-31.98	
			For >100, Deduct	-45.83	
08 14 23 16-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door	604.27	92.31
			For 5 Ply Construction, Add	14.69	
			For Stave Lumber Core (SLC), Add	314.74	
			For Structural Composite Lumber Core (SCLC), Add	188.84	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	50.36	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	226.61	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	314.74	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	503.58	
			For >50 To 100, Deduct	-34.83	
			For >100, Deduct	-49.94	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	459.35	75.21
			For 5 Ply Construction, Add	10.81	
			For Stave Lumber Core (SLC), Add	231.69	
			For Structural Composite Lumber Core (SCLC), Add	139.01	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.07	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	166.82	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	231.69	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	370.70	
			For >50 To 100, Deduct	-26.73	
			For >100, Deduct	-38.21	
08 14 23 16-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	459.34	75.21
			For 5 Ply Construction, Add	10.81	
			For Stave Lumber Core (SLC), Add	231.68	
			For Structural Composite Lumber Core (SCLC), Add	139.01	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.07	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	166.81	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	231.68	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	370.69	
			For >50 To 100, Deduct	-26.73	
			For >100, Deduct	-38.21	
08 14 23 16-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	475.85	78.63
			For 5 Ply Construction, Add	11.15	
			For Stave Lumber Core (SLC), Add	238.94	
			For Structural Composite Lumber Core (SCLC), Add	143.36	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.03	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	238.94	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.30	
			For >50 To 100, Deduct	-27.72	
			For >100, Deduct	-39.62	
08 14 23 16-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	475.85	78.63
			For 5 Ply Construction, Add	11.15	
			For Stave Lumber Core (SLC), Add	238.94	
			For Structural Composite Lumber Core (SCLC), Add	143.36	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	38.23	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	172.03	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	238.94	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	382.30	
			For >50 To 100, Deduct	-27.72	
			For >100, Deduct	-39.62	
08 14 23 16-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	494.98	78.63
			For 5 Ply Construction, Add	11.82	
			For Stave Lumber Core (SLC), Add	253.28	
			For Structural Composite Lumber Core (SCLC), Add	151.97	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	40.53	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	182.36	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	253.28	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	405.25	
			For >50 To 100, Deduct	-28.68	
			For >100, Deduct	-41.06	
08 14 23 16-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	520.94	82.05
			For 5 Ply Construction, Add	12.49	
			For Stave Lumber Core (SLC), Add	267.63	
			For Structural Composite Lumber Core (SCLC), Add	160.58	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.82	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	192.69	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	267.63	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	428.21	
			For >50 To 100, Deduct	-30.15	
			For >100, Deduct	-43.17	
08 14 23 16-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	540.48	82.05
			For 5 Ply Construction, Add	13.17	
			For Stave Lumber Core (SLC), Add	282.29	
			For Structural Composite Lumber Core (SCLC), Add	169.37	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.17	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	203.25	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	282.29	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	451.66	
			For >50 To 100, Deduct	-31.13	
			For >100, Deduct	-44.64	
08 14 23 16-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	557.09	85.47
			For 5 Ply Construction, Add	13.52	
			For Stave Lumber Core (SLC), Add	289.61	
			For Structural Composite Lumber Core (SCLC), Add	173.77	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	46.34	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	208.52	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	289.61	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	463.38	
			For >50 To 100, Deduct	-32.13	
			For >100, Deduct	-46.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 16-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	576.40	85.47
			For 5 Ply Construction, Add	14.19	
			For Stave Lumber Core (SLC), Add	304.10	
			For Structural Composite Lumber Core (SCLC), Add	182.46	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.66	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	218.95	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	304.10	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	486.55	
			For >50 To 100, Deduct	-33.09	
			For >100, Deduct	-47.50	
08 14 23 16-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	628.69	92.31
			For 5 Ply Construction, Add	15.54	
			For Stave Lumber Core (SLC), Add	333.05	
			For Structural Composite Lumber Core (SCLC), Add	199.83	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	53.29	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	239.80	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	333.05	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	532.88	
			For >50 To 100, Deduct	-36.05	
			For >100, Deduct	-51.77	
08 14 23 16-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	519.60	75.21
			For 5 Ply Construction, Add	12.92	
			For Stave Lumber Core (SLC), Add	276.88	
			For Structural Composite Lumber Core (SCLC), Add	166.13	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	199.35	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	276.88	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	443.00	
			For >50 To 100, Deduct	-29.74	
			For >100, Deduct	-42.73	
08 14 23 16-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	519.58	75.21
			For 5 Ply Construction, Add	12.92	
			For Stave Lumber Core (SLC), Add	276.86	
			For Structural Composite Lumber Core (SCLC), Add	166.12	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	44.30	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	199.34	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	276.86	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	442.98	
			For >50 To 100, Deduct	-29.74	
			For >100, Deduct	-42.73	
08 14 23 16-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	537.97	78.63
			For 5 Ply Construction, Add	13.32	
			For Stave Lumber Core (SLC), Add	285.53	
			For Structural Composite Lumber Core (SCLC), Add	171.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.68	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.84	
			For >50 To 100, Deduct	-30.83	
			For >100, Deduct	-44.28	
08 14 23 16-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	537.97	78.63
			For 5 Ply Construction, Add	13.32	
			For Stave Lumber Core (SLC), Add	285.53	
			For Structural Composite Lumber Core (SCLC), Add	171.32	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	45.68	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	205.58	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	285.53	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	456.84	
			For >50 To 100, Deduct	-30.83	
			For >100, Deduct	-44.28	
08 14 23 16-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	560.83	78.63
			For 5 Ply Construction, Add	14.12	
			For Stave Lumber Core (SLC), Add	302.67	
			For Structural Composite Lumber Core (SCLC), Add	181.60	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	48.43	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	217.92	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	302.67	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	484.27	
			For >50 To 100, Deduct	-31.97	
			For >100, Deduct	-45.99	
08 14 23 16-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	590.53	82.05
			For 5 Ply Construction, Add	14.93	
			For Stave Lumber Core (SLC), Add	319.82	
			For Structural Composite Lumber Core (SCLC), Add	191.89	
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	51.17	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	230.27	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	319.82	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	511.72	
			For >50 To 100, Deduct	-33.63	
			For >100, Deduct	-48.39	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 23 16-0053	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	613.88	82.05
		<i>For 5 Ply Construction, Add</i>	15.74	
		<i>For Stave Lumber Core (SLC), Add</i>	337.34	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	202.40	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	53.97	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	242.88	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	337.34	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	539.74	
		<i>For &gt;50 To 100, Deduct</i>	-34.80	
		<i>For &gt;100, Deduct</i>	-50.14	
08 14 23 16-0054	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	632.39	85.47
		<i>For 5 Ply Construction, Add</i>	16.15	
		<i>For Stave Lumber Core (SLC), Add</i>	346.09	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	207.65	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	55.37	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	249.18	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	346.09	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	553.74	
		<i>For &gt;50 To 100, Deduct</i>	-35.89	
		<i>For &gt;100, Deduct</i>	-51.70	
08 14 23 16-0055	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	655.45	85.47
		<i>For 5 Ply Construction, Add</i>	16.96	
		<i>For Stave Lumber Core (SLC), Add</i>	363.38	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	218.03	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	58.14	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	261.64	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	363.38	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	581.41	
		<i>For &gt;50 To 100, Deduct</i>	-37.05	
		<i>For &gt;100, Deduct</i>	-53.43	
08 14 23 16-0056	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Pressure Decorative Laminate (HPDL) Faced Wood Door.....	715.29	92.31
		<i>For 5 Ply Construction, Add</i>	18.57	
		<i>For Stave Lumber Core (SLC), Add</i>	398.00	
		<i>For Structural Composite Lumber Core (SCLC), Add</i>	238.80	
		<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	63.68	
		<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	286.56	
		<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	398.00	
		<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	636.80	
		<i>For &gt;50 To 100, Deduct</i>	-40.38	
		<i>For &gt;100, Deduct</i>	-58.26	

**08 14 23 19 Molded-Hardboard-Faced Wood Doors** (08 14 23)**08 14 23 19-0001 1-3/8" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF)****Faced Wood Doors** (08 14 23 19)

08 14 23 19-0002	EA	2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	242.54	75.21
		<i>For &gt;50 To 100, Deduct</i>	-15.89	
		<i>For &gt;100, Deduct</i>	-21.95	
08 14 23 19-0003	EA	2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	242.54	75.21
		<i>For &gt;50 To 100, Deduct</i>	-15.89	
		<i>For &gt;100, Deduct</i>	-21.95	
08 14 23 19-0004	EA	2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	256.09	78.63
		<i>For &gt;50 To 100, Deduct</i>	-16.74	
		<i>For &gt;100, Deduct</i>	-23.14	
08 14 23 19-0005	EA	2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	259.29	78.63
		<i>For &gt;50 To 100, Deduct</i>	-16.90	
		<i>For &gt;100, Deduct</i>	-23.38	
08 14 23 19-0006	EA	2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	262.47	78.63
		<i>For &gt;50 To 100, Deduct</i>	-17.06	
		<i>For &gt;100, Deduct</i>	-23.62	
08 14 23 19-0007	EA	3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	272.50	82.05
		<i>For &gt;50 To 100, Deduct</i>	-17.73	
		<i>For &gt;100, Deduct</i>	-24.54	
08 14 23 19-0008	EA	3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	284.40	82.05
		<i>For &gt;50 To 100, Deduct</i>	-18.32	
		<i>For &gt;100, Deduct</i>	-25.43	
08 14 23 19-0009	EA	3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	298.95	85.47
		<i>For &gt;50 To 100, Deduct</i>	-19.22	
		<i>For &gt;100, Deduct</i>	-26.69	
08 14 23 19-0010	EA	2'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	247.89	75.21
		<i>For &gt;50 To 100, Deduct</i>	-16.16	
		<i>For &gt;100, Deduct</i>	-22.35	
08 14 23 19-0011	EA	2'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	247.89	75.21
		<i>For &gt;50 To 100, Deduct</i>	-16.16	
		<i>For &gt;100, Deduct</i>	-22.35	
08 14 23 19-0012	EA	2'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	261.85	78.63
		<i>For &gt;50 To 100, Deduct</i>	-17.02	
		<i>For &gt;100, Deduct</i>	-23.57	
08 14 23 19-0013	EA	2'-8" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	265.22	78.63
		<i>For &gt;50 To 100, Deduct</i>	-17.19	
		<i>For &gt;100, Deduct</i>	-23.82	
08 14 23 19-0014	EA	2'-10" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	268.59	78.63
		<i>For &gt;50 To 100, Deduct</i>	-17.36	
		<i>For &gt;100, Deduct</i>	-24.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0015	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	278.79 -18.04 -25.01	82.05
08 14 23 19-0016	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	291.39 -18.67 -25.96	82.05
08 14 23 19-0017	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	306.38 -19.59 -27.25	85.47
08 14 23 19-0018	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	266.91 -17.11 -23.78	75.21
08 14 23 19-0019	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	266.91 -17.11 -23.78	75.21
08 14 23 19-0020	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	282.25 -18.04 -25.10	78.63
08 14 23 19-0021	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	286.27 -18.25 -25.40	78.63
08 14 23 19-0022	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	290.31 -18.45 -25.71	78.63
08 14 23 19-0023	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	301.16 -19.16 -26.69	82.05
08 14 23 19-0024	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	316.21 -19.91 -27.82	82.05
08 14 23 19-0025	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	332.79 -20.91 -29.23	85.47
<b>08 14 23 19-0026</b>			<b>1-3/4" Thick, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b> <small>(08 14 23 19)</small>		
08 14 23 19-0027	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.20 -17.02 -23.65	75.21
08 14 23 19-0028	EA		2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	265.20 -17.02 -23.65	75.21
08 14 23 19-0029	EA		2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	275.21 -17.69 -24.57	78.63
08 14 23 19-0030	EA		2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	281.61 -18.01 -25.05	78.63
08 14 23 19-0031	EA		2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	284.81 -18.17 -25.29	78.63
08 14 23 19-0032	EA		3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	294.78 -18.84 -26.21	82.05
08 14 23 19-0033	EA		3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	302.07 -19.21 -26.76	82.05
08 14 23 19-0034	EA		3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	332.62 -20.90 -29.22	85.47
08 14 23 19-0035	EA		3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	340.70 -21.31 -29.83	85.47
08 14 23 19-0036	EA		4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	356.89 -22.12 -31.04	85.47
08 14 23 19-0037	EA		2'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	271.87 -17.35 -24.15	75.21
08 14 23 19-0038	EA		2'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	271.87 -17.35 -24.15	75.21
08 14 23 19-0039	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	282.08 -18.04 -25.09	78.63
08 14 23 19-0040	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	288.85 -18.37 -25.60	78.63
08 14 23 19-0041	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	292.22 -18.54 -25.85	78.63
08 14 23 19-0042	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	302.40 -19.22 -26.78	82.05
08 14 23 19-0043	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100, Deduct</i>	310.11 -19.61 -27.36	82.05



## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0044	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	342.04	85.47
			<i>For &gt;50 To 100, Deduct</i>	-21.38	
			<i>For &gt;100, Deduct</i>	-29.93	
08 14 23 19-0045	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	350.59	85.47
			<i>For &gt;50 To 100, Deduct</i>	-21.80	
			<i>For &gt;100, Deduct</i>	-30.57	
08 14 23 19-0046	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	367.70	85.47
			<i>For &gt;50 To 100, Deduct</i>	-22.66	
			<i>For &gt;100, Deduct</i>	-31.85	
08 14 23 19-0047	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	295.54	75.21
			<i>For &gt;50 To 100, Deduct</i>	-18.54	
			<i>For &gt;100, Deduct</i>	-25.93	
08 14 23 19-0048	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	295.54	75.21
			<i>For &gt;50 To 100, Deduct</i>	-18.54	
			<i>For &gt;100, Deduct</i>	-25.93	
08 14 23 19-0049	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	306.42	78.63
			<i>For &gt;50 To 100, Deduct</i>	-19.25	
			<i>For &gt;100, Deduct</i>	-26.91	
08 14 23 19-0050	EA		2'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.51	78.63
			<i>For &gt;50 To 100, Deduct</i>	-19.66	
			<i>For &gt;100, Deduct</i>	-27.52	
08 14 23 19-0051	EA		2'-10" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	318.52	78.63
			<i>For &gt;50 To 100, Deduct</i>	-19.86	
			<i>For &gt;100, Deduct</i>	-27.82	
08 14 23 19-0052	EA		3'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	329.37	82.05
			<i>For &gt;50 To 100, Deduct</i>	-20.57	
			<i>For &gt;100, Deduct</i>	-28.81	
08 14 23 19-0053	EA		3'-4" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	338.57	82.05
			<i>For &gt;50 To 100, Deduct</i>	-21.03	
			<i>For &gt;100, Deduct</i>	-29.50	
08 14 23 19-0054	EA		3'-6" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	375.41	85.47
			<i>For &gt;50 To 100, Deduct</i>	-23.04	
			<i>For &gt;100, Deduct</i>	-32.43	
08 14 23 19-0055	EA		3'-8" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	385.62	85.47
			<i>For &gt;50 To 100, Deduct</i>	-23.55	
			<i>For &gt;100, Deduct</i>	-33.20	
08 14 23 19-0056	EA		4'-0" x 8' x 1-3/4" Thick, 3 Ply, Hollow Core (HC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	406.08	85.47
			<i>For &gt;50 To 100, Deduct</i>	-24.58	
			<i>For &gt;100, Deduct</i>	-34.73	
08 14 23 19-0057			<b>1-3/8" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors</b>		
			<small>(08 14 23 19)</small> Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0058	EA		2'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.27	75.21
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	15.70	
			<i>For &gt;50 To 100, Deduct</i>	-17.82	
			<i>For &gt;100, Deduct</i>	-24.86	
08 14 23 19-0059	EA		2'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	281.27	75.21
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	15.70	
			<i>For &gt;50 To 100, Deduct</i>	-17.82	
			<i>For &gt;100, Deduct</i>	-24.86	
08 14 23 19-0060	EA		2'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	295.71	78.63
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	16.61	
			<i>For &gt;50 To 100, Deduct</i>	-18.72	
			<i>For &gt;100, Deduct</i>	-26.11	
08 14 23 19-0061	EA		2'-8" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	303.29	78.63
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	17.52	
			<i>For &gt;50 To 100, Deduct</i>	-19.10	
			<i>For &gt;100, Deduct</i>	-26.68	
08 14 23 19-0062	EA		2'-10" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	304.68	78.63
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	17.69	
			<i>For &gt;50 To 100, Deduct</i>	-19.17	
			<i>For &gt;100, Deduct</i>	-26.78	
08 14 23 19-0063	EA		3'-0" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	312.93	82.05
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	17.86	
			<i>For &gt;50 To 100, Deduct</i>	-19.75	
			<i>For &gt;100, Deduct</i>	-27.57	
08 14 23 19-0064	EA		3'-4" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	329.34	82.05
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	19.83	
			<i>For &gt;50 To 100, Deduct</i>	-20.57	
			<i>For &gt;100, Deduct</i>	-28.80	
08 14 23 19-0065	EA		3'-6" x 6'-8" x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	366.12	85.47
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.42	
			<i>For &gt;50 To 100, Deduct</i>	-22.58	
			<i>For &gt;100, Deduct</i>	-31.73	
08 14 23 19-0066	EA		2'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	288.90	75.21
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	16.62	
			<i>For &gt;50 To 100, Deduct</i>	-18.21	
			<i>For &gt;100, Deduct</i>	-25.43	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0067	EA		2'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	288.90	75.21
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	16.62	
			For >50 To 100, Deduct	-18.21	
			For >100, Deduct	-25.43	
08 14 23 19-0068	EA		2'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	303.77	78.63
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	17.58	
			For >50 To 100, Deduct	-19.12	
			For >100, Deduct	-26.71	
08 14 23 19-0069	EA		2'-8" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	311.78	78.63
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.54	
			For >50 To 100, Deduct	-19.52	
			For >100, Deduct	-27.32	
08 14 23 19-0070	EA		2'-10" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	313.27	78.63
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.72	
			For >50 To 100, Deduct	-19.60	
			For >100, Deduct	-27.43	
08 14 23 19-0071	EA		3'-0" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	321.59	82.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	18.90	
			For >50 To 100, Deduct	-20.18	
			For >100, Deduct	-28.22	
08 14 23 19-0072	EA		3'-4" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	338.97	82.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.98	
			For >50 To 100, Deduct	-21.05	
			For >100, Deduct	-29.53	
08 14 23 19-0073	EA		3'-6" x 7' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	377.48	85.47
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.78	
			For >50 To 100, Deduct	-23.15	
			For >100, Deduct	-32.58	
08 14 23 19-0074	EA		2'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	315.90	75.21
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.86	
			For >50 To 100, Deduct	-19.56	
			For >100, Deduct	-27.45	
08 14 23 19-0075	EA		2'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	315.90	75.21
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.86	
			For >50 To 100, Deduct	-19.56	
			For >100, Deduct	-27.45	
08 14 23 19-0076	EA		2'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	332.34	78.63
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	21.01	
			For >50 To 100, Deduct	-20.55	
			For >100, Deduct	-28.86	
08 14 23 19-0077	EA		2'-8" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.91	78.63
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.16	
			For >50 To 100, Deduct	-21.03	
			For >100, Deduct	-29.58	
08 14 23 19-0078	EA		2'-10" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	343.68	78.63
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.37	
			For >50 To 100, Deduct	-21.12	
			For >100, Deduct	-29.71	
08 14 23 19-0079	EA		3'-0" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	352.30	82.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.58	
			For >50 To 100, Deduct	-21.72	
			For >100, Deduct	-30.53	
08 14 23 19-0080	EA		3'-4" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	373.07	82.05
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	25.08	
			For >50 To 100, Deduct	-22.76	
			For >100, Deduct	-32.08	
08 14 23 19-0081	EA		3'-6" x 8' x 1-3/8" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	417.77	85.47
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.62	
			For >50 To 100, Deduct	-25.16	
			For >100, Deduct	-35.61	
08 14 23 19-0082			1-3/4" Thick, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Doors <small>(08 14 23 19)</small>		
			Note: PC = Particleboard, medium-density fiberboard (MDF), or agrifiber core, solid core door with stiles and rails bonded to the core and abrasive planed flat prior to the application of the faces.		
08 14 23 19-0083	EA		2'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	314.84	75.21
			For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.73	
			For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	88.78	
			For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.31	
			For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.29	
			For >50 To 100, Deduct	-19.50	
			For >100, Deduct	-27.37	

## 08 Openings

## 08 10 Doors and Frames

## 08 14 Wood Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 23 19-0084	EA	2'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	314.84	75.21
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	19.73	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	88.78	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	123.31	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	197.29	
		For >50 To 100, Deduct	-19.50	
		For >100, Deduct	-27.37	
08 14 23 19-0085	EA	2'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	331.20	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.87	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.92	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	130.45	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	208.72	
		For >50 To 100, Deduct	-20.49	
		For >100, Deduct	-28.77	
08 14 23 19-0086	EA	2'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	340.70	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.01	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	99.05	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	137.57	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	220.12	
		For >50 To 100, Deduct	-20.97	
		For >100, Deduct	-29.48	
08 14 23 19-0087	EA	2'-10" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	342.47	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.22	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.01	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	138.90	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	222.24	
		For >50 To 100, Deduct	-21.06	
		For >100, Deduct	-29.62	
08 14 23 19-0088	EA	3'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	351.09	82.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	22.44	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	100.97	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	140.24	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	224.39	
		For >50 To 100, Deduct	-21.66	
		For >100, Deduct	-30.43	
08 14 23 19-0089	EA	3'-4" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	371.70	82.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	24.91	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	112.10	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	155.70	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	249.12	
		For >50 To 100, Deduct	-22.69	
		For >100, Deduct	-31.98	
08 14 23 19-0090	EA	3'-6" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	416.18	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	29.43	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	132.43	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	183.93	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	294.29	
		For >50 To 100, Deduct	-25.08	
		For >100, Deduct	-35.49	
08 14 23 19-0091	EA	3'-8" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	428.46	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	30.90	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	139.06	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	193.14	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	309.02	
		For >50 To 100, Deduct	-25.70	
		For >100, Deduct	-36.41	
08 14 23 19-0092	EA	4'-0" x 6'-8" x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	452.96	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	33.84	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	152.29	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	211.52	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	338.42	
		For >50 To 100, Deduct	-26.92	
		For >100, Deduct	-38.25	
08 14 23 19-0093	EA	2'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.41	75.21
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.88	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.95	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	130.49	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	208.78	
		For >50 To 100, Deduct	-19.98	
		For >100, Deduct	-28.09	
08 14 23 19-0094	EA	2'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door	324.41	75.21
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	20.88	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	93.95	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	130.49	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	208.78	
		For >50 To 100, Deduct	-19.98	
		For >100, Deduct	-28.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 14 23 19-0095	EA		2'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	341.33	78.63
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	22.09	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	99.39	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	138.05	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	220.87	
			<i>For &gt;50 To 100, Deduct</i>	-21.00	
			<i>For &gt;100, Deduct</i>	-29.53	
08 14 23 19-0096	EA		2'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	351.39	78.63
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.29	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	104.82	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	145.59	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	232.94	
			<i>For &gt;50 To 100, Deduct</i>	-21.50	
			<i>For &gt;100, Deduct</i>	-30.29	
08 14 23 19-0097	EA		2'-10" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	353.25	78.63
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.52	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	105.83	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	146.99	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	235.18	
			<i>For &gt;50 To 100, Deduct</i>	-21.59	
			<i>For &gt;100, Deduct</i>	-30.43	
08 14 23 19-0098	EA		3'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	361.98	82.05
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	23.75	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	106.86	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	148.41	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	237.46	
			<i>For &gt;50 To 100, Deduct</i>	-22.20	
			<i>For &gt;100, Deduct</i>	-31.25	
08 14 23 19-0099	EA		3'-4" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	383.78	82.05
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.36	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	118.63	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	164.76	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	263.62	
			<i>For &gt;50 To 100, Deduct</i>	-23.29	
			<i>For &gt;100, Deduct</i>	-32.89	
08 14 23 19-0100	EA		3'-6" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	430.45	85.47
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	31.14	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	140.14	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	194.63	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	311.41	
			<i>For &gt;50 To 100, Deduct</i>	-25.80	
			<i>For &gt;100, Deduct</i>	-36.56	
08 14 23 19-0101	EA		3'-8" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	443.43	85.47
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	32.70	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	147.14	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	204.37	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	326.99	
			<i>For &gt;50 To 100, Deduct</i>	-26.45	
			<i>For &gt;100, Deduct</i>	-37.53	
08 14 23 19-0102	EA		4'-0" x 7' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	469.38	85.47
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	35.81	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	161.16	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	223.83	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	358.13	
			<i>For &gt;50 To 100, Deduct</i>	-27.74	
			<i>For &gt;100, Deduct</i>	-39.48	
08 14 23 19-0103	EA		2'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	358.34	75.21
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.95	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	112.27	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.93	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	249.49	
			<i>For &gt;50 To 100, Deduct</i>	-21.68	
			<i>For &gt;100, Deduct</i>	-30.64	
08 14 23 19-0104	EA		2'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	358.34	75.21
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	24.95	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	112.27	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	155.93	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	249.49	
			<i>For &gt;50 To 100, Deduct</i>	-21.68	
			<i>For &gt;100, Deduct</i>	-30.64	
08 14 23 19-0105	EA		2'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	377.23	78.63
			<i>For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add</i>	26.40	
			<i>For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add</i>	118.78	
			<i>For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add</i>	164.97	
			<i>For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add</i>	263.95	
			<i>For &gt;50 To 100, Deduct</i>	-22.79	
			<i>For &gt;100, Deduct</i>	-32.22	

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 14 23 19-0106	EA	2'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	389.25	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	27.84	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	125.27	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	173.99	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	278.38	
		For >50 To 100, Deduct	-23.39	
		For >100, Deduct	-33.13	
08 14 23 19-0107	EA	2'-10" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	391.47	78.63
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.10	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	126.47	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	175.65	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	281.04	
		For >50 To 100, Deduct	-23.51	
		For >100, Deduct	-33.29	
08 14 23 19-0108	EA	3'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	400.57	82.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	28.38	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	127.69	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	177.35	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	283.76	
		For >50 To 100, Deduct	-24.13	
		For >100, Deduct	-34.15	
08 14 23 19-0109	EA	3'-4" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	426.62	82.05
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	31.50	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	141.76	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	196.89	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	315.02	
		For >50 To 100, Deduct	-25.43	
		For >100, Deduct	-36.10	
08 14 23 19-0110	EA	3'-6" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	481.04	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	37.21	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	167.45	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	232.58	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	372.12	
		For >50 To 100, Deduct	-28.33	
		For >100, Deduct	-40.35	
08 14 23 19-0111	EA	3'-8" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	496.58	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	39.08	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	175.85	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	244.23	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	390.77	
		For >50 To 100, Deduct	-29.10	
		For >100, Deduct	-41.52	
08 14 23 19-0112	EA	4'-0" x 8' x 1-3/4" Thick, 3 Ply, Particleboard Core (PC), High Density Fiberboard/Hardboard (HDF) Faced Wood Door.....	527.57	85.47
		For Commercial Grade 45 Minute Particleboard Core (PC), Fire Rated Door, Add	42.80	
		For Commercial Grade 45 Minute Mineral Core (MC), Fire Rated Door, Add	192.58	
		For Commercial Grade 60 Minute Mineral Core (MC), Fire Rated Door, Add	267.47	
		For Commercial Grade 90 Minute Mineral Core (MC), Rated Fire Door, Add	427.96	
		For >50 To 100, Deduct	-30.65	
		For >100, Deduct	-43.84	

**08 14 73 Sliding Wood Doors (08 14)**

08 14 73 00-0001		Sliding Pocket Door (08 14 73) Note: Includes unfinished door, frame and trim, and all mounting and door hardware. See CSI section 08 14 73 00-0055 for accessories to be added.		
08 14 73 00-0002		Birch Faced Pocket Door (08 14 73 00-0001) Note: Includes door, frame and trim, and all mounting and door hardware.		
08 14 73 00-0003		1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0002) See CSI section 08 14 73 00-0055 for all jambs and track hardware.		
08 14 73 00-0004		6'-8" High, 1-3/8" Thick, Birch Faced Wood Pocket Door (08 14 73 00-0003)		
08 14 73 00-0005	EA	2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	504.79	47.86
		For Oak, Add	112.91	
		For Ash/Hickory, Add	164.45	
		For Walnut, Add	239.72	
		For Cherry, Add	389.85	
08 14 73 00-0006	EA	2'-4" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	521.54	51.28
		For Oak, Add	115.64	
		For Ash/Hickory, Add	168.44	
		For Walnut, Add	245.53	
		For Cherry, Add	399.31	
08 14 73 00-0007	EA	2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	540.76	54.70
		For Oak, Add	119.07	
		For Ash/Hickory, Add	173.42	
		For Walnut, Add	252.80	
		For Cherry, Add	411.12	
08 14 73 00-0008	EA	2'-8" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door.....	555.05	58.12
		For Oak, Add	121.12	
		For Ash/Hickory, Add	176.41	
		For Walnut, Add	257.16	
		For Cherry, Add	418.21	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 14 73 00-0009	EA	2'-10" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	574.30		61.54
		For Oak, Add	124.54		
		For Ash/Hickory, Add	181.39		
		For Walnut, Add	264.42		
		For Cherry, Add	430.02		
08 14 73 00-0010	EA	3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	591.05		64.96
		For Oak, Add	127.28		
		For Ash/Hickory, Add	185.38		
		For Walnut, Add	270.23		
		For Cherry, Add	439.48		
08 14 73 00-0011	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	989.11		85.47
		For Oak, Add	225.81		
		For Ash/Hickory, Add	328.90		
		For Walnut, Add	479.45		
		For Cherry, Add	779.72		
08 14 73 00-0012	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,047.40		92.31
		For Oak, Add	238.13		
		For Ash/Hickory, Add	346.85		
		For Walnut, Add	505.60		
		For Cherry, Add	822.25		
08 14 73 00-0013	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,120.60		99.15
		For Oak, Add	254.55		
		For Ash/Hickory, Add	370.76		
		For Walnut, Add	540.47		
		For Cherry, Add	878.95		
<b>08 14 73 00-0014</b>		<b>7' High, 1-3/8" Thick Birch Faced Wood Pocket Door</b> (08 14 73 00-0003)			
08 14 73 00-0015	EA	2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	591.57		47.86
		For Oak, Add	116.03		
		For Ash/Hickory, Add	116.03		
		For Walnut, Add	190.91		
		For Cherry, Add	358.51		
08 14 73 00-0016	EA	2'-4" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	620.71		51.28
		For Oak, Add	121.25		
		For Ash/Hickory, Add	121.25		
		For Walnut, Add	199.50		
		For Cherry, Add	374.64		
08 14 73 00-0017	EA	2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	642.41		54.70
		For Oak, Add	124.73		
		For Ash/Hickory, Add	124.73		
		For Walnut, Add	205.22		
		For Cherry, Add	385.40		
08 14 73 00-0018	EA	2'-8" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	661.66		58.12
		For Oak, Add	127.64		
		For Ash/Hickory, Add	127.64		
		For Walnut, Add	210.00		
		For Cherry, Add	394.36		
08 14 73 00-0019	EA	2'-10" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	678.43		61.54
		For Oak, Add	129.95		
		For Ash/Hickory, Add	129.95		
		For Walnut, Add	213.81		
		For Cherry, Add	401.53		
08 14 73 00-0020	EA	3'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	700.14		64.96
		For Oak, Add	133.44		
		For Ash/Hickory, Add	133.44		
		For Walnut, Add	219.54		
		For Cherry, Add	412.28		
08 14 73 00-0021	EA	4' Wide, Two 2'-0" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,162.66		85.47
		For Oak, Add	232.06		
		For Ash/Hickory, Add	232.06		
		For Walnut, Add	381.81		
		For Cherry, Add	717.01		
08 14 73 00-0022	EA	5' Wide, Two 2'-6" x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,250.70		92.31
		For Oak, Add	249.47		
		For Ash/Hickory, Add	249.47		
		For Walnut, Add	410.45		
		For Cherry, Add	770.79		
08 14 73 00-0023	EA	6' Wide, Two 3' x 7' x 1-3/8" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,338.78		99.15
		For Oak, Add	266.87		
		For Ash/Hickory, Add	266.87		
		For Walnut, Add	439.08		
		For Cherry, Add	824.57		
<b>08 14 73 00-0024</b>		<b>1-3/4" Thick, Birch Faced Wood Pocket Door</b> (08 14 73 00-0002)			
		See CSI section 08 14 73 00-0055 for all jams and track hardware.			
<b>08 14 73 00-0025</b>		<b>6'-8" High, 1-3/4" Thick Birch Faced Wood Pocket Door</b> (08 14 73 00-0024)			
08 14 73 00-0026	EA	2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	740.33		47.86
		For Oak, Add	150.84		
		For Ash/Hickory, Add	150.84		
		For Walnut, Add	248.18		
		For Cherry, Add	466.06		
08 14 73 00-0027	EA	2'-4" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	776.91		51.28
		For Oak, Add	157.80		
		For Ash/Hickory, Add	157.80		
		For Walnut, Add	259.63		
		For Cherry, Add	487.57		



**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 14 73 00-0028	EA	2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	798.61	54.70
		<i>For Oak, Add</i>	161.28	
		<i>For Ash/Hickory, Add</i>	161.28	
		<i>For Walnut, Add</i>	265.36	
		<i>For Cherry, Add</i>	498.33	
08 14 73 00-0029	EA	2'-8" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	822.81	58.12
		<i>For Oak, Add</i>	165.34	
		<i>For Ash/Hickory, Add</i>	165.34	
		<i>For Walnut, Add</i>	272.04	
		<i>For Cherry, Add</i>	510.87	
08 14 73 00-0030	EA	2'-10" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	844.55	61.54
		<i>For Oak, Add</i>	168.83	
		<i>For Ash/Hickory, Add</i>	168.83	
		<i>For Walnut, Add</i>	277.77	
		<i>For Cherry, Add</i>	521.63	
08 14 73 00-0031	EA	3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	866.25	64.96
		<i>For Oak, Add</i>	172.31	
		<i>For Ash/Hickory, Add</i>	172.31	
		<i>For Walnut, Add</i>	283.49	
		<i>For Cherry, Add</i>	533.38	
08 14 73 00-0032	EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,460.18	85.47
		<i>For Oak, Add</i>	301.68	
		<i>For Ash/Hickory, Add</i>	301.68	
		<i>For Walnut, Add</i>	496.36	
		<i>For Cherry, Add</i>	932.12	
08 14 73 00-0033	EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,563.09	92.31
		<i>For Oak, Add</i>	322.57	
		<i>For Ash/Hickory, Add</i>	322.57	
		<i>For Walnut, Add</i>	530.72	
		<i>For Cherry, Add</i>	996.65	
08 14 73 00-0034	EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,671.00	99.15
		<i>For Oak, Add</i>	344.61	
		<i>For Ash/Hickory, Add</i>	344.61	
		<i>For Walnut, Add</i>	566.99	
		<i>For Cherry, Add</i>	1,064.76	

**08 14 73 00-0035 7' High, 1-3/4" Thick Birch Faced Wood Pocket Door** (08 14 73 00-0024)

08 14 73 00-0036	EA	2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	789.91	47.86
		<i>For Oak, Add</i>	162.44	
		<i>For Ash/Hickory, Add</i>	162.44	
		<i>For Walnut, Add</i>	267.27	
		<i>For Cherry, Add</i>	501.91	
08 14 73 00-0037	EA	2'-4" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	831.45	51.28
		<i>For Oak, Add</i>	170.56	
		<i>For Ash/Hickory, Add</i>	170.56	
		<i>For Walnut, Add</i>	280.63	
		<i>For Cherry, Add</i>	527.00	
08 14 73 00-0038	EA	2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	855.63	54.70
		<i>For Oak, Add</i>	174.63	
		<i>For Ash/Hickory, Add</i>	174.63	
		<i>For Walnut, Add</i>	287.31	
		<i>For Cherry, Add</i>	539.55	
08 14 73 00-0039	EA	2'-8" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	879.83	58.12
		<i>For Oak, Add</i>	178.69	
		<i>For Ash/Hickory, Add</i>	178.69	
		<i>For Walnut, Add</i>	293.99	
		<i>For Cherry, Add</i>	552.10	
08 14 73 00-0040	EA	2'-10" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	901.57	61.54
		<i>For Oak, Add</i>	182.17	
		<i>For Ash/Hickory, Add</i>	182.17	
		<i>For Walnut, Add</i>	299.72	
		<i>For Cherry, Add</i>	562.86	
08 14 73 00-0041	EA	3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	925.76	64.96
		<i>For Oak, Add</i>	186.23	
		<i>For Ash/Hickory, Add</i>	186.23	
		<i>For Walnut, Add</i>	306.41	
		<i>For Cherry, Add</i>	575.41	
08 14 73 00-0042	EA	4' Wide, Two 2'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,559.35	85.47
		<i>For Oak, Add</i>	324.89	
		<i>For Ash/Hickory, Add</i>	324.89	
		<i>For Walnut, Add</i>	534.54	
		<i>For Cherry, Add</i>	1,003.82	
08 14 73 00-0043	EA	5' Wide, Two 2'-6" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,677.14	92.31
		<i>For Oak, Add</i>	349.25	
		<i>For Ash/Hickory, Add</i>	349.25	
		<i>For Walnut, Add</i>	574.63	
		<i>For Cherry, Add</i>	1,079.11	
08 14 73 00-0044	EA	6' Wide, Two 3'-0" x 7' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door	1,790.01	99.15
		<i>For Oak, Add</i>	372.46	
		<i>For Ash/Hickory, Add</i>	372.46	
		<i>For Walnut, Add</i>	612.81	
		<i>For Cherry, Add</i>	1,150.81	

**08 14 73 00-0045 8' High, 1-3/4" Thick Birch Faced Wood Pocket Door** (08 14 73 00-0024)



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 14 73 00-0046	EA 2'-0" x 8' x 1-3/4" High Wood Pocket Door, Hollow Core, Birch Faced For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	839.50 174.05 174.05 286.36 537.76	47.86
08 14 73 00-0047	EA 2'-4" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	881.04 182.17 182.17 299.72 562.86	51.28
08 14 73 00-0048	EA 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	907.69 186.81 186.81 307.36 577.19	54.70
08 14 73 00-0049	EA 2'-8" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	934.38 191.45 191.45 315.00 591.54	58.12
08 14 73 00-0050	EA 2'-10" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	956.11 194.93 194.93 320.72 602.29	61.54
08 14 73 00-0051	EA 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	982.78 199.57 199.57 328.36 616.63	64.96
08 14 73 00-0052	EA 4' Wide, Two 2'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	1,658.52 348.09 348.09 572.72 1,075.52	85.47
08 14 73 00-0053	EA 5' Wide, Two 2'-6" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	1,781.27 373.62 373.62 614.72 1,154.39	92.31
08 14 73 00-0054	EA 6' Wide, Two 3'-0" x 8' x 1-3/4" Thick, Hollow Core (HC), Birch Faced Wood Pocket Door For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	1,904.06 399.15 399.15 656.72 1,233.26	99.15
08 14 73 00-0055	<b>Accessories</b> (08 14 73 00-0001)		
08 14 73 00-0056	<b>Jamb Replacement</b> (08 14 73 00-0055)		
08 14 73 00-0057	EA 4-9/16 Or 4-3/4" Birch Jamb Replacement For Pocket Doors For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	141.43 8.25 12.93 28.27 44.78	
08 14 73 00-0058	EA 5-1/4" Birch Jamb Replacement For Pocket Doors For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	143.78 8.52 13.35 29.18 46.22	
08 14 73 00-0059	EA 6-9/16" Or 6-3/4" Birch Jamb Replacement For Pocket Doors For Oak, Add For Ash/Hickory, Add For Walnut, Add For Cherry, Add	159.10 10.25 16.06 35.11 55.61	
08 14 73 00-0060	<b>Track And Hardware Replacement Kits</b> (08 14 73 00-0055)		
Note: For double doors, use 2 appropriate sized hardware and 1 converging kit.			
08 14 73 00-0061	EA Up To 2'-6" x 6'-8" Door Track And Hardware Replacement For Pocket Door	325.84	
08 14 73 00-0062	EA 2'-8" x 6'-8" Door Track And Hardware Replacement For Pocket Door	328.63	
08 14 73 00-0063	EA 3'-0" x 6'-8" Door Track And Hardware Replacement For Pocket Door	334.21	
08 14 73 00-0064	EA Up To 2'-6" x 7' Door Track And Hardware Replacement For Pocket Door	387.24	
08 14 73 00-0065	EA 2'-8" x 7' Door Track And Hardware Replacement For Pocket Door	390.03	
08 14 73 00-0066	EA 3'-0" x 7' Door Track And Hardware Replacement For Pocket Door	395.62	
08 14 73 00-0067	EA Up To 2'-6" x 8' Door Track And Hardware	415.15	
08 14 73 00-0068	EA 2'-8" x 8' Door Track And Hardware Replacement For Pocket Door	417.94	
08 14 73 00-0069	EA 3'-0" x 8' Door Track And Hardware Replacement For Pocket Door	423.52	
08 14 73 00-0070	EA Double Door Converging Kit For Pocket Door	48.42	
08 14 73 00-0071	<b>Bi-Pass Doors</b> (08 14 73) Note: Includes unfinished doors, fascia track, hangers, door guide, doorstop, and pulls. 125 LB maximum door weight (each opening).		
08 14 73 00-0072	<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0073	EA 4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	490.26	109.35
08 14 73 00-0074	EA 5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	537.88	116.18
08 14 73 00-0075	EA 6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	586.06	123.02
08 14 73 00-0076	EA 8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Pass Doors	797.49	129.85

**08 Openings****08 10 Doors and Frames****08 14 Wood Doors**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

<b>08 14 73 00-0077</b>	<b>Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0078 EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	458.80	109.35
08 14 73 00-0079 EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	488.83	116.18
08 14 73 00-0080 EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	532.08	123.02
08 14 73 00-0081 EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Pass Doors.....	734.57	129.85
<b>08 14 73 00-0082</b>	<b>Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0083 EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	515.44	109.35
08 14 73 00-0084 EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	568.60	116.18
08 14 73 00-0085 EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	622.64	123.02
08 14 73 00-0086 EA	8' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	847.85	129.85
<b>08 14 73 00-0087</b>	<b>Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0088 EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors.....	864.57	109.35
08 14 73 00-0089 EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors.....	951.28	116.18
08 14 73 00-0090 EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors.....	1,086.81	123.02
08 14 73 00-0091 EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Pass Doors.....	1,546.10	129.85
<b>08 14 73 00-0092</b>	<b>Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0093 EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	1,192.52	109.35
08 14 73 00-0094 EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	1,254.94	116.18
08 14 73 00-0095 EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	1,358.08	123.02
08 14 73 00-0096 EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Pass Doors.....	2,202.01	129.85
<b>08 14 73 00-0097</b>	<b>Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors</b> (08 14 73 00-0071)		
08 14 73 00-0098 EA	4' Wide, Two 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	491.15	109.35
08 14 73 00-0099 EA	5' Wide, Two 2'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	535.69	116.18
08 14 73 00-0100 EA	6' Wide, Two 3'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	582.43	123.02
08 14 73 00-0101 EA	8' Wide, Four 2'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Pass Doors.....	799.26	129.85
<b>08 14 76 Bifolding Wood Doors</b> (08 14)			
<b>08 14 76 00-0001</b>	<b>Bi-Fold Wood Doors</b> (08 14 76)		
	Note: Includes doors, track, top and bottom pivots, door guide, track stop, panel hinge, bottom pivot bracket, top pivot lock, and 4-door aligner (when necessary). Excludes doorframe and knobs.		
<b>08 14 76 00-0002</b>	<b>Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0003 EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	241.02	82.01
08 14 76 00-0004 EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	254.69	88.84
08 14 76 00-0005 EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	273.50	95.68
08 14 76 00-0006 EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	287.16	102.51
08 14 76 00-0007 EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	366.47	109.35
08 14 76 00-0008 EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	380.14	116.18
08 14 76 00-0009 EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Lauan Faced Wood Bi-Fold Doors.....	404.70	123.02
<b>08 14 76 00-0010</b>	<b>Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0011 EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	253.58	82.01
08 14 76 00-0012 EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	271.37	88.84
08 14 76 00-0013 EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	292.95	95.68
08 14 76 00-0014 EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	306.61	102.51
08 14 76 00-0015 EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	393.37	109.35
08 14 76 00-0016 EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	422.07	116.18
08 14 76 00-0017 EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Birch Faced Wood Bi-Fold Doors.....	452.36	123.02
<b>08 14 76 00-0018</b>	<b>Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0019 EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	254.16	82.01
08 14 76 00-0020 EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	279.42	88.84
08 14 76 00-0021 EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	300.38	95.68
08 14 76 00-0022 EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	314.04	102.51
08 14 76 00-0023 EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	399.86	109.35
08 14 76 00-0024 EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	416.14	116.18
08 14 76 00-0025 EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Flush, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors.....	452.36	123.02
<b>08 14 76 00-0026</b>	<b>Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors</b> (08 14 76 00-0001)		
08 14 76 00-0027 EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	627.61	82.01
08 14 76 00-0028 EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	716.18	88.84
08 14 76 00-0029 EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	816.90	95.68
08 14 76 00-0030 EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	830.56	102.51
08 14 76 00-0031 EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors.....	1,145.87	109.35

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 14 76 00-0032	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	1,309.34	116.18
08 14 76 00-0033	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Pine Faced Wood Bi-Fold Doors .....	1,497.11	123.02

**08 14 76 00-0034 Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors** (08 14 76 00-0001)

08 14 76 00-0035	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	799.68	82.01
08 14 76 00-0036	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	868.01	88.84
08 14 76 00-0037	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	948.49	95.68
08 14 76 00-0038	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	962.15	102.51
08 14 76 00-0039	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	1,490.02	109.35
08 14 76 00-0040	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	1,613.00	116.18
08 14 76 00-0041	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Raised Panel, Hollow Core (HC), Oak Faced Wood Bi-Fold Doors .....	1,760.28	123.02

**08 14 76 00-0042 Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors** (08 14 76 00-0001)

08 14 76 00-0043	EA	2'-0" Wide, Two 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	245.44	82.01
08 14 76 00-0044	EA	2'-6" Wide, Two 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	264.27	88.84
08 14 76 00-0045	EA	2'-8" Wide, Two 1'-4" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	288.88	95.68
08 14 76 00-0046	EA	3'-0" Wide, Two 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	293.33	102.51
08 14 76 00-0047	EA	4'-0" Wide, Four 1'-0" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	359.19	109.35
08 14 76 00-0048	EA	5'-0" Wide, Four 1'-3" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	387.31	116.18
08 14 76 00-0049	EA	6'-0" Wide, Four 1'-6" x 6'-8" x 1-3/8" Thick, Molded Panel, Hollow Core (HC), High Density Fiberboard (HDF) Faced Wood Bi-Fold Doors .....	432.21	123.02

**08 16 Composite Doors** (08 10)

Note: Includes machining for all hardware. Excludes frames, finish hardware.

**08 16 13 Fiberglass Doors** (08 16)

See CSI section 08 70 00 00-0000 for finish hardware.

**08 16 13 00-0001 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Frames And Doors** (08 16 13)

**08 16 13 00-0002 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0001)

**08 16 13 00-0003 Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0002)

Note: White, tan, brown or gray finish. Includes factory hardware prep and 25 Mil resin rich gel coat.

**08 16 13 00-0004 Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

**08 16 13 00-0005 6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0004)

08 16 13 00-0006	EA	3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,252.79	82.05
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0007	EA	3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,471.77	85.47
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0008	EA	4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,805.47	92.31
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	

**08 16 13 00-0009 7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0004)

08 16 13 00-0010	EA	3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,252.79	82.05
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0011	EA	3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,558.07	85.47
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0012	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf) .....	3,897.16	92.31
		<i>For Custom Color Finish, Add</i>	168.10	
		<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	

**08 16 13 00-0013 Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0003)

Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.

**08 16 13 00-0014 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)** (08 16 13 00-0013)

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
						UNIT COST	UNIT COST
08 16 13 00-0015					<b>6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0014)</small>		
08 16 13 00-0016	EA				3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,856.86	82.05
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0017	EA				3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,937.41	85.47
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0018	EA				4' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,488.65	92.31
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0019					<b>7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0014)</small>		
08 16 13 00-0020	EA				3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,856.86	82.05
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0021	EA				3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,217.88	85.47
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0022	EA				4' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,592.92	92.31
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0023					<b>60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0013)</small>		
08 16 13 00-0024					<b>6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0023)</small>		
08 16 13 00-0025	EA				3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,856.86	82.05
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0026	EA				3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,937.41	85.47
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0027	EA				4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,488.65	92.31
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0028					<b>7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0023)</small>		
08 16 13 00-0029	EA				3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,856.86	82.05
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0030	EA				3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,217.88	85.47
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0031	EA				4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,592.92	92.31
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0032					<b>90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0013)</small>		
08 16 13 00-0033					<b>6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> <small>(08 16 13 00-0032)</small>		
08 16 13 00-0034	EA				3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,856.86	82.05
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0035	EA				3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,937.41	85.47
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0036	EA				4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,488.65	92.31
					<i>For Custom Color Finish, Add</i> .....	168.10	
					<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0037			<b>7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0032)		
08 16 13 00-0038	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,856.86	82.05
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0039	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,217.88	85.47
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0040	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	4,592.92	92.31
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0041			<b>Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0003)		
			Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0042			<b>6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0041)		
08 16 13 00-0043	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,437.97	82.05
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0044			<b>7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Chem-Pruf)</b> (08 16 13 00-0041)		
08 16 13 00-0045	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Chem-Pruf).....	3,437.97	82.05
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0046			<b>Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Chem-Pruf)</b> (08 16 13 00-0002)		
08 16 13 00-0047	SI		1/4" Tempered, Factory Installed Vision Glass (Chem-Pruf).....	0.46	
08 16 13 00-0048	SI		1/4" Laminated, Factory Installed Vision Glass (Chem-Pruf).....	0.47	
08 16 13 00-0049	SI		1/4" Wire, Factory Installed Vision Glass (Chem-Pruf).....	0.62	
08 16 13 00-0050	SI		1/2" Insulated, Factory Installed Vision Glass (Chem-Pruf).....	0.59	
08 16 13 00-0051	SI		Factory Installed Molded Louver (Chem-Pruf).....	1.18	
08 16 13 00-0052	SI		Factory Installed Molded Louver With Insect Screen (Chem-Pruf).....	1.32	
08 16 13 00-0053	LF		Weather Strip (Chem-Pruf).....	12.58	
08 16 13 00-0054	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Chem-Pruf).....	16.18	
08 16 13 00-0055	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Chem-Pruf).....	34.16	
08 16 13 00-0056	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Chem-Pruf).....	37.75	
08 16 13 00-0057	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Chem-Pruf).....	73.71	
08 16 13 00-0058			<b>Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0001)		
08 16 13 00-0059			<b>Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0058)		
			Note: White, tan, brown or gray finish. Includes factory hardware prep.		
08 16 13 00-0060			<b>Standard, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0059)		
			Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0061			<b>6'-8" High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0060)		
08 16 13 00-0062	EA		3' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,491.55	82.05
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0063	EA		3'-6" x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,526.67	85.47
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0064	EA		4' x 6'-8", Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,649.12	92.31
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0065			<b>7' High, Standard Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> (08 16 13 00-0060)		
08 16 13 00-0066	EA		3' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,491.55	82.05
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	
08 16 13 00-0067	EA		3'-6" x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door).....	2,635.44	85.47
			<i>For Custom Color Finish, Add</i>	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i>	374.17	



**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 16 13 00-0068	EA	4' x 7', Standard Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	2,649.12 168.10 374.17	92.31
08 16 13 00-0069		<b>Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0069)</small> Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
08 16 13 00-0070		<b>45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0069)</small>		
08 16 13 00-0071		<b>6'-8" High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0070)</small>		
08 16 13 00-0072	EA	3' x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,123.09 168.10 374.17	82.05
08 16 13 00-0073	EA	3'-6" x 6'-8", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,208.24 168.10 374.17	85.47
08 16 13 00-0074	EA	4' x 7", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,409.00 168.10 374.17	92.31
08 16 13 00-0075		<b>7' High, 45 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0070)</small>		
08 16 13 00-0076	EA	3' x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,123.09 168.10 374.17	82.05
08 16 13 00-0077	EA	3'-6" x 7', 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,238.70 168.10 374.17	85.47
08 16 13 00-0078	EA	4' x 7", 45 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,502.55 168.10 374.17	92.31
08 16 13 00-0079		<b>60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0069)</small>		
08 16 13 00-0080		<b>6'-8" High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0079)</small>		
08 16 13 00-0081	EA	3' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,123.09 168.10 374.17	82.05
08 16 13 00-0082	EA	3'-6" x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,208.24 168.10 374.17	85.47
08 16 13 00-0083	EA	4' x 6'-8", 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,409.00 168.10 374.17	92.31
08 16 13 00-0084		<b>7' High, 60 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0079)</small>		
08 16 13 00-0085	EA	3' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,123.09 168.10 374.17	82.05
08 16 13 00-0086	EA	3'-6" x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,238.70 168.10 374.17	85.47
08 16 13 00-0087	EA	4' x 7', 60 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) ..... <i>For Custom Color Finish, Add</i> <i>For Stainless Steel Continuous Hinge, Add</i>	4,502.55 168.10 374.17	92.31
08 16 13 00-0088		<b>90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0069)</small>		
08 16 13 00-0089		<b>6'-8" High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0088)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 16 13 00-0090	EA		3' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	4,123.09	82.05
			<i>For Custom Color Finish, Add</i> .....	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0091	EA		3'-6" x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	4,208.24	85.47
			<i>For Custom Color Finish, Add</i> .....	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0092	EA		4' x 6'-8", 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	4,409.00	92.31
			<i>For Custom Color Finish, Add</i> .....	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
<b>08 16 13 00-0093</b>			<b>7' High, 90 Minute Fire Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0088)</small>		
08 16 13 00-0094	EA		3' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	4,123.09	82.05
			<i>For Custom Color Finish, Add</i> .....	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0095	EA		3'-6" x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	4,238.70	85.47
			<i>For Custom Color Finish, Add</i> .....	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
08 16 13 00-0096	EA		4' x 7', 90 Minute Fire Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	4,502.55	92.31
			<i>For Custom Color Finish, Add</i> .....	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
<b>08 16 13 00-0097</b>			<b>Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0099)</small>		
			Note: Includes fiberglass reinforced polyester (FRP) doorframe, 4-1/2" x 4-1/2" stainless steel hinges and factory hardware prep. Excludes hardware.		
<b>08 16 13 00-0098</b>			<b>6'-8" High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0097)</small>		
08 16 13 00-0099	EA		3' x 6'-8", Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,817.86	82.05
			<i>For Custom Color Finish, Add</i> .....	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
<b>08 16 13 00-0100</b>			<b>7' High, Storm Rated, Corrosion-Resistant Fiberglass Reinforced Polyester (FRP) Doors And Frames (Skule Door)</b> <small>(08 16 13 00-0097)</small>		
08 16 13 00-0101	EA		3' x 7', Storm Rated, Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door And Frame (Skule Door) .....	2,817.86	82.05
			<i>For Custom Color Finish, Add</i> .....	168.10	
			<i>For Stainless Steel Continuous Hinge, Add</i> .....	374.17	
<b>08 16 13 00-0102</b>			<b>Accessories For Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors (Skule Door)</b> <small>(08 16 13 00-0098)</small>		
08 16 13 00-0103	SI		1/4" Tempered, Factory Installed Vision Glass (Skule Door) .....	1.03	
08 16 13 00-0104	SI		1/4" Laminated, Factory Installed Vision Glass (Skule Door) .....	1.06	
08 16 13 00-0105	SI		1/4" Wire, Factory Installed Vision Glass (Skule Door) .....	1.12	
08 16 13 00-0106	SI		1/2" Insulated, Factory Installed Vision Glass (Skule Door) .....	1.60	
08 16 13 00-0107	SI		Factory Installed Molded Louver (Skule Door) .....	0.63	
08 16 13 00-0108	SI		Factory Installed Molded Louver With Insect Screen (Skule Door) .....	1.01	
08 16 13 00-0109	LF		Weather Strip (Skule Door) .....	8.70	
08 16 13 00-0110	LF		Fiberglass Reinforced Polyester (FRP) Astragal With Seal (Skule Door) .....	10.88	
08 16 13 00-0111	LF		1/2" Fiberglass Reinforced Polyester (FRP) Grooved Saddle Threshold (Skule Door) .....	34.81	
08 16 13 00-0112	LF		Fiberglass Reinforced Polyester (FRP) Door Sweep (Skule Door) .....	124.00	
08 16 13 00-0113	LF		2-1/4" Fiberglass Reinforced Polyester (FRP) Center Door Mullion (Skule Door) .....	47.86	
<b>08 16 13 00-0114</b>			<b>Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Doors</b> <small>(08 16 13 00-0001)</small>		
			Note: Includes surface closer blocking, hinge preparation and cylinder lock preparation.		
08 16 13 00-0115	EA		3' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	2,091.31	82.05
08 16 13 00-0116	EA		3'-6" x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	2,326.37	85.47
08 16 13 00-0117	EA		4' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	2,568.27	92.31
08 16 13 00-0118	EA		Pair 6' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	3,996.42	97.64
08 16 13 00-0119	EA		Pair 7' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	4,519.23	113.91
08 16 13 00-0120	EA		Pair 8' x 7', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	5,034.82	126.63
08 16 13 00-0121	EA		3' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	2,311.92	82.05
08 16 13 00-0122	EA		3'-6" x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	2,579.95	85.47
08 16 13 00-0123	EA		4' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	2,854.82	92.31
08 16 13 00-0124	EA		Pair 6' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	4,517.97	97.64
08 16 13 00-0125	EA		Pair 7' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	5,103.37	113.91
08 16 13 00-0126	EA		Pair 8' x 8', 1-3/4" Corrosion Resistant Fiberglass Reinforced Polyester (FRP) Door .....	5,677.37	126.63
<b>08 16 13 00-0127</b>			<b>Commercial Door Systems F500 Fiberglass Reinforced Polyester (FRP) Doors</b> <small>(08 16 13 00-0001)</small>		
08 16 13 00-0128	EA		Up To 3'-0" x 7'-0" CDS Fiberglass Reinforced Polyester (FRP) Door .....	2,216.52	82.05
			Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.		

**08 Openings****08 10 Doors and Frames****08 16 Composite Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 16 13 00-0129	EA	>3'-0" x 7'-0" To 3'-6" x 7'-0" CDS Fiberglass Reinforced Polyester (FRP) Door ..... Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.	2,348.39	85.47
08 16 13 00-0130	EA	>3'-6" x 7'-0" To 4'-0" x 7'-0" CDS Fiberglass Reinforced Polyester (FRP) Door ..... Note: Includes a continuous hinge, recessed pull and prepped for rim exit and closer.	2,539.00	92.31
08 16 13 00-0131	LF	2" x 6" Extruded Aluminum Door And Window Framing For Fiberglass Reinforced Polyester (FRP) Doors ..... Note: Excludes glazing.	77.18	4.10
08 16 13 00-0132	EA	12" x 12" 1/4" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors .....	247.71	
08 16 13 00-0133	EA	6" x 32" 1/4" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors .....	268.94	
08 16 13 00-0134	EA	22" x 32" 1/4" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors .....	320.84	
08 16 13 00-0135	EA	12" x 12" 1" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors .....	346.79	
08 16 13 00-0136	EA	6" x 32" 1" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors .....	382.17	
08 16 13 00-0137	EA	22" x 32" 1" Tempered Glass Lite Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors .....	450.59	
08 16 13 00-0138	EA	12" x 12", 1/4" Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors .....	554.39	
08 16 13 00-0139	EA	6" x 32", 1/4" Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors .....	554.39	
08 16 13 00-0140	EA	22" x 32", 1/4" Lexan MR10 Lite Kit For Fiberglass Reinforced Polyester (FRP) Doors .....	953.08	
08 16 13 00-0141	EA	<81" Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors .....	401.05	
08 16 13 00-0142	EA	81" To 120" Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors .....	580.34	
08 16 13 00-0143	EA	>120" Perimeter Vandal Screen Kit For Fiberglass Reinforced Polyester (FRP) Doors .....	842.20	
08 16 13 00-0144	EA	18" x 18" Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....	728.96	
08 16 13 00-0145	EA	22" X 24" Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....	979.03	
08 16 13 00-0146	EA	22" X 32" Louver And Screen Kit For CDS Fiberglass Reinforced Polyester (FRP) Doors.....	1,026.21	
08 16 13 00-0147	SF	1" Fiberglass Reinforced Polyester (FRP) Infill Panel For CDS Fiberglass Reinforced Polyester (FRP) Doors .....	56.84	13.68

**08 16 13 00-0148 Galvanized Insulated Poly Core Composite Doors** (08 16 13)

08 16 13 00-0149	EA	3'-0" x 7'-0" x 1-3/4" Thick, Flush, 18 Gauge, Galvanized, Insulated Poly Core Composite Door (Curries 707N) .....	1,399.66	82.05
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**08 30 Specialty Doors and Frames** (08)

Note: Includes caulk, sealant and mounting anchors.

**08 31 Access Doors and Panels** (08 30)

See CSI section 07 72 33 00-0000 for roof hatches, 23 33 33 00-0000 for duct-mounted access doors.

**08 31 13 Access Doors and Frames** (08 31)

08 31 13 00-0001		Stainless Steel Access Doors (08 31 13)		
08 31 13 00-0002		Fire Rated Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0003	EA	12" x 12" Fire Rated Stainless Steel Access Door With Cam Latch .....	473.20	67.11
08 31 13 00-0004	EA	12" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	550.05	71.50
08 31 13 00-0005	EA	18" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	641.48	75.61
08 31 13 00-0006	EA	24" x 18" Fire Rated Stainless Steel Access Door With Cam Latch .....	739.69	79.46
08 31 13 00-0007	EA	24" x 24" Fire Rated Stainless Steel Access Door With Cam Latch .....	756.55	79.87
08 31 13 00-0008	EA	24" x 36" Fire Rated Stainless Steel Access Door With Cam Latch .....	978.44	82.34
08 31 13 00-0009		Stainless Steel Access Doors (08 31 13 00-0001)		
08 31 13 00-0010	EA	8" x 8" Stainless Steel Access Door With Cam Latch .....	193.67	51.47
08 31 13 00-0011	EA	12" x 12" Stainless Steel Access Door With Cam Latch .....	230.52	67.11
08 31 13 00-0012	EA	12" x 18" Stainless Steel Access Door With Cam Latch .....	325.35	71.50
08 31 13 00-0013	EA	18" x 18" Stainless Steel Access Door With Cam Latch .....	349.08	75.61
08 31 13 00-0014	EA	24" x 18" Stainless Steel Access Door With Cam Latch .....	404.25	79.46
08 31 13 00-0015	EA	24" x 24" Stainless Steel Access Door With Cam Latch .....	459.41	79.87
08 31 13 00-0016		Steel Access Doors (08 31 13)		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0017		Insulated Fire Rated Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0018	EA	12" x 12" Insulated Fire Rated Steel Access Door With Cam Latch .....	322.29	67.52
08 31 13 00-0019	EA	12" x 18" Insulated Fire Rated Steel Access Door With Cam Latch .....	399.35	71.50
08 31 13 00-0020	EA	18" x 18" Insulated Fire Rated Steel Access Door With Cam Latch .....	398.97	75.61
08 31 13 00-0021	EA	24" x 18" Insulated Fire Rated Steel Access Door With Cam Latch .....	474.12	79.87
08 31 13 00-0022	EA	24" x 24" Insulated Fire Rated Steel Access Door With Cam Latch .....	495.68	79.87
08 31 13 00-0023	EA	24" x 36" Insulated Fire Rated Steel Access Door With Cam Latch .....	653.35	82.34
08 31 13 00-0024	EA	24" x 48" Insulated Fire Rated Steel Access Door With Cam Latch .....	753.63	85.77
08 31 13 00-0025	EA	36" x 36" Insulated Fire Rated Steel Access Door With Cam Latch .....	932.08	85.77
08 31 13 00-0026	EA	48" x 48" Insulated Fire Rated Steel Access Door With Cam Latch .....	1,196.31	102.92
08 31 13 00-0027		Steel Access Doors (08 31 13 00-0016)		
08 31 13 00-0028	EA	8" x 8" Steel Access Door With Cam Latch.....	164.46	51.74
08 31 13 00-0029	EA	12" x 12" Steel Access Door With Cam Latch.....	176.15	67.52
08 31 13 00-0030	EA	12" x 18" Steel Access Door With Cam Latch.....	202.93	71.50
08 31 13 00-0031	EA	18" x 18" Steel Access Door With Cam Latch.....	208.54	75.61
08 31 13 00-0032	EA	24" x 18" Steel Access Door With Cam Latch.....	247.76	79.87
08 31 13 00-0033	EA	24" x 24" Steel Access Door With Cam Latch.....	253.71	79.87
08 31 13 00-0034	EA	24" x 36" Steel Access Door With Cam Latch.....	328.76	82.34
08 31 13 00-0035	EA	36" x 36" Steel Access Door With Cam Latch.....	434.85	85.77
08 31 13 00-0036		Steel Recessed Access Doors For Drywall Application (08 31 13)		
		Note: Includes paintable powder coated finish.		
08 31 13 00-0037	EA	8" x 8" Recessed Steel Access Door With Cam Latch..... For Recessed Doors In Acoustical Tile, Add	235.86 21.23	51.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 31 13 00-0038	EA		12" x 12" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	246.81 23.63	55.17
08 31 13 00-0039	EA		12" x 18" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	265.30 24.39	58.33
08 31 13 00-0040	EA		18" x 18" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	311.54 21.20	61.75
08 31 13 00-0041	EA		24" x 18" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	327.78 22.55	65.18
08 31 13 00-0042	EA		24" x 24" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	359.14 17.84	65.18
08 31 13 00-0043	EA		24" x 36" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	447.33 23.47	82.34
08 31 13 00-0044	EA		36" x 36" Recessed Steel Access Door With Cam Latch..... <i>For Recessed Doors In Acoustical Tile, Add</i>	640.40 -1.71	85.77
<b>08 31 13 00-0045</b>			<b>Steel Crawl Space Doors And Frames</b> (08 31 13) Note: Includes paintable powder coated finish.		
08 31 13 00-0046	EA		24" x 24" Steel Crawl Space Door With Cam Latch.....	271.02	86.87
08 31 13 00-0047	EA		30" x 24" Steel Crawl Space Door With Cam Latch.....	381.42	105.25
08 31 13 00-0048	EA		30" x 30" Steel Crawl Space Door With Cam Latch.....	427.59	114.32
<b>08 33 Coiling Doors and Grilles</b> (08 30)					
<b>08 33 13 Coiling Counter Doors</b> (08 33)					
<b>08 33 13 00-0001</b> Overhead Rolling Counter Doors (08 33 13)					
<b>08 33 13 00-0002</b> Galvanized Steel Overhead Rolling Counter Doors (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester topcoat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
08 33 13 00-0003	EA		4' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	6,801.68 833.35	733.38
08 33 13 00-0004	EA		6' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,102.78 833.35	733.38
08 33 13 00-0005	EA		8' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,646.88 842.59	779.22
08 33 13 00-0006	EA		10' x 4', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,302.50 878.04	916.73
08 33 13 00-0007	EA		4' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,156.64 833.35	733.38
08 33 13 00-0008	EA		6' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,586.19 853.72	814.79
08 33 13 00-0009	EA		8' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,818.21 861.87	847.42
08 33 13 00-0010	EA		10' x 6', Galvanized Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 650)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,367.76 879.18	916.73
<b>08 33 13 00-0011</b>			<b>Stainless Steel Overhead Rolling Counter Doors</b> (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0012	EA		4' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,554.44 833.35	733.38
08 33 13 00-0013	EA		6' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,382.47 833.35	733.38
08 33 13 00-0014	EA		8' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,625.46 842.59	779.22
08 33 13 00-0015	EA		10' x 4', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,485.50 878.04	916.73
08 33 13 00-0016	EA		4' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,909.40 833.35	733.38
08 33 13 00-0017	EA		6' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,263.68 853.72	814.79
08 33 13 00-0018	EA		8' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,495.70 861.87	847.42
08 33 13 00-0019	EA		10' x 6', Stainless Steel Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 651)..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,927.15 879.18	916.73
<b>08 33 13 00-0020</b>			<b>Aluminum Overhead Rolling Counter Doors</b> (08 33 13 00-0001) Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0021	EA		4' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,403.88 833.35	733.38
08 33 13 00-0022	EA		6' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)..... <i>For Motor Operator (With Safety Reverse), Add</i>	7,704.99 833.35	733.38
08 33 13 00-0023	EA		8' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,550.19 842.59	779.22
08 33 13 00-0024	EA		10' x 4', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,109.12 878.04	916.73
08 33 13 00-0025	EA		4' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,758.85 833.35	733.38
08 33 13 00-0026	EA		6' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,188.40 853.72	814.79
08 33 13 00-0027	EA		8' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652)..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,458.06 861.87	847.42

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 13 00-0028	EA	10' x 6', Aluminum Overhead Rolling Counter Doors, Manual Lift (Overhead Door Company, Series 652) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,776.60 879.18	916.73
<b>08 33 13 00-0029 Galvanized Steel Overhead Rolling Counter Fire Doors</b> <small>(08 33 13 00-0001)</small>				
Note: Includes necessary anchors, track and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0030	EA	4' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	8,608.30 833.35	733.38
08 33 13 00-0031	EA	6' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,059.96 833.35	733.38
08 33 13 00-0032	EA	8' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,754.60 842.59	779.22
08 33 13 00-0033	EA	10' x 4', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,560.78 878.04	916.73
08 33 13 00-0034	EA	4' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,511.61 833.35	733.38
08 33 13 00-0035	EA	6' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,016.44 853.72	814.79
08 33 13 00-0036	EA	8' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,399.01 861.87	847.42
08 33 13 00-0037	EA	10' x 6', Galvanized Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 640) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,722.73 879.18	916.73
<b>08 33 13 00-0038 Stainless Steel Overhead Rolling Counter Fire Doors</b> <small>(08 33 13 00-0001)</small>				
Note: Includes necessary anchors, track and hardware. Includes No. 4 stainless steel finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0039	EA	4' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	9,662.16 833.35	733.38
08 33 13 00-0040	EA	6' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,866.58 833.35	733.38
08 33 13 00-0041	EA	8' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,109.57 842.59	779.22
08 33 13 00-0042	EA	10' x 4', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,571.82 878.04	916.73
08 33 13 00-0043	EA	4' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,414.92 833.35	733.38
08 33 13 00-0044	EA	6' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	10,844.47 853.72	814.79
08 33 13 00-0045	EA	8' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	11,227.05 861.87	847.42
08 33 13 00-0046	EA	10' x 6', Stainless Steel Overhead Rolling Counter Fire Doors, Manual Lift (Overhead Door Company, Series 641) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,733.77 879.18	916.73
<b>08 33 13 00-0047 Integral Frame And Sill, Overhead Rolling Counter Doors</b> <small>(08 33 13)</small>				
<b>08 33 13 00-0048 Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>				
Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.				
08 33 13 00-0049	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,576.52 833.35	733.38
08 33 13 00-0050	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	13,877.62 833.35	733.38
08 33 13 00-0051	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	21,518.32 842.59	779.22
08 33 13 00-0052	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,926.79 878.04	916.73
08 33 13 00-0053	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,028.17 833.35	733.38
08 33 13 00-0054	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,533.00 853.72	814.79
08 33 13 00-0055	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	14,915.57 861.87	847.42
08 33 13 00-0056	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 655) ..... <i>For Motor Operator (With Safety Reverse), Add</i>	16,594.26 879.18	916.73



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 13 00-0057</b>		<b>Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>			
		<small>Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish, aluminum slats are finished with clear anodized finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.</small>			
08 33 13 00-0058	EA	4' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656) .....	12,071.00		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0059	EA	6' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656) .....	12,372.10		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0060	EA	8' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656) .....	12,765.64		779.22
		<i>For Motor Operator (With Safety Reverse), Add</i>	842.59		
08 33 13 00-0061	EA	10' x 4', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656) .....	13,421.27		916.73
		<i>For Motor Operator (With Safety Reverse), Add</i>	878.04		
08 33 13 00-0062	EA	4' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656) .....	13,425.96		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0063	EA	6' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656) .....	13,930.79		814.79
		<i>For Motor Operator (With Safety Reverse), Add</i>	853.72		
08 33 13 00-0064	EA	8' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656) .....	14,463.91		847.42
		<i>For Motor Operator (With Safety Reverse), Add</i>	861.87		
08 33 13 00-0065	EA	10' x 6', Integral Frame And Sill, Aluminum Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 656) .....	14,938.19		916.73
		<i>For Motor Operator (With Safety Reverse), Add</i>	879.18		

<b>08 33 13 00-0066</b>		<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill</b> <small>(08 33 13 00-0047)</small>			
		<small>Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.</small>			
08 33 13 00-0067	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	18,394.18		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0068	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	19,899.70		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0069	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	23,003.18		779.22
		<i>For Motor Operator (With Safety Reverse), Add</i>	842.59		
08 33 13 00-0070	EA	10' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	24,863.22		916.73
		<i>For Motor Operator (With Safety Reverse), Add</i>	878.04		
08 33 13 00-0071	EA	4' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	20,652.46		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0072	EA	6' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	22,361.70		814.79
		<i>For Motor Operator (With Safety Reverse), Add</i>	853.72		
08 33 13 00-0073	EA	8' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	24,701.45		847.42
		<i>For Motor Operator (With Safety Reverse), Add</i>	861.87		
08 33 13 00-0074	EA	10' x 6', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Doors With Stainless Steel Frame and Sill, Manual Lift (Overhead Door Company, Series 657) .....	27,885.66		916.73
		<i>For Motor Operator (With Safety Reverse), Add</i>	879.18		

<b>08 33 13 00-0075</b>		<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Frame and Stainless Steel Sill</b> <small>(08 33 13 00-0047)</small>			
		<small>Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.</small>			
08 33 13 00-0076	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	15,684.24		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0077	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	15,985.35		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0078	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	16,680.00		779.22
		<i>For Motor Operator (With Safety Reverse), Add</i>	842.59		
08 33 13 00-0079	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	18,088.38		916.73
		<i>For Motor Operator (With Safety Reverse), Add</i>	878.04		
08 33 13 00-0080	EA	4' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	16,587.56		733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35		
08 33 13 00-0081	EA	6' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658) .....	17,694.59		814.79
		<i>For Motor Operator (With Safety Reverse), Add</i>	853.72		

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 13 00-0082	EA	8' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	18,679.37	847.42
		<i>For Motor Operator (With Safety Reverse), Add</i>	861.87	
08 33 13 00-0083	EA	10' x 6', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Doors With Galvanized Steel Frame, Stainless Steel Sill, Manual Lift (Overhead Door Company, Series 658).....	21,863.58	916.73
		<i>For Motor Operator (With Safety Reverse), Add</i>	879.18	
<b>08 33 13 00-0084</b>		<b>Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood</b> (08 33 13 00-0047)		
		Note: Includes necessary anchors, track and hardware. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0085	EA	4' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	22,157.98	733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35	
08 33 13 00-0086	EA	6' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	22,910.74	733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35	
08 33 13 00-0087	EA	8' x 4', Integral Frame And Sill, Stainless Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 660) .....	26,014.22	779.22
		<i>For Motor Operator (With Safety Reverse), Add</i>	842.59	
<b>08 33 13 00-0088</b>		<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood</b> (08 33 13 00-0047)		
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0089	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	16,888.66	733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35	
08 33 13 00-0090	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	22,910.74	733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35	
08 33 13 00-0091	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Galvanized Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 661) .....	26,014.22	779.22
		<i>For Motor Operator (With Safety Reverse), Add</i>	842.59	
<b>08 33 13 00-0092</b>		<b>Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood</b> (08 33 13 00-0047)		
		Note: Includes necessary anchors, track and hardware. Galvanized steel surfaces feature a baked-on primer coat to enhance overall durability and minimize field painting. Stainless surfaces feature a standard No. 4 finish. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.		
08 33 13 00-0093	EA	4' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	14,780.93	733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35	
08 33 13 00-0094	EA	6' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	16,587.56	733.38
		<i>For Motor Operator (With Safety Reverse), Add</i>	833.35	
08 33 13 00-0095	EA	8' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	17,733.86	779.22
		<i>For Motor Operator (With Safety Reverse), Add</i>	842.59	
08 33 13 00-0096	EA	10' x 4', Integral Frame And Sill, Galvanized Steel Overhead Rolling Counter Fire Doors With Stainless Steel Frame and Hood, Manual Lift (Overhead Door Company, Series 662) .....	19,593.90	916.73
		<i>For Motor Operator (With Safety Reverse), Add</i>	878.04	
<b>08 33 16 Coiling Counter Grilles</b> (08 33)				
<b>08 33 16 00-0001</b>		<b>Galvanized Steel Overhead Coiling Counter Grilles (Width x Height)</b> (08 33 16)		
08 33 16 00-0002	EA	4' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	1,953.98	320.86
		<i>For Lexan Lattice Pattern, Add</i>	155.59	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	100.28	
		<i>For Staggered Brick Pattern, Add</i>	178.52	
08 33 16 00-0003	EA	6' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,086.63	320.86
		<i>For Lexan Lattice Pattern, Add</i>	175.49	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	137.99	
		<i>For Staggered Brick Pattern, Add</i>	242.18	
08 33 16 00-0004	EA	8' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,526.10	427.74
		<i>For Lexan Lattice Pattern, Add</i>	195.57	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	175.72	
		<i>For Staggered Brick Pattern, Add</i>	305.85	
08 33 16 00-0005	EA	12' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	2,845.34	427.74
		<i>For Lexan Lattice Pattern, Add</i>	243.45	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	251.15	
		<i>For Staggered Brick Pattern, Add</i>	433.18	
08 33 16 00-0006	EA	16' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	3,979.48	641.71
		<i>For Lexan Lattice Pattern, Add</i>	321.90	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	376.24	
		<i>For Staggered Brick Pattern, Add</i>	571.20	
08 33 16 00-0007	EA	18' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift.....	4,545.34	733.38
		<i>For Lexan Lattice Pattern, Add</i>	361.13	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	376.24	
		<i>For Staggered Brick Pattern, Add</i>	571.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 16 00-0008	EA		20' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,113.63 400.35 501.34 709.21	855.30
08 33 16 00-0009	EA		24' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,302.46 504.63 601.61 733.37	1,026.74
08 33 16 00-0010	EA		30' x 4', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	7,779.09 616.83 704.17 841.83	1,283.42
08 33 16 00-0011	EA		4' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,055.24 170.78 150.39 207.41	320.86
08 33 16 00-0012	EA		6' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,245.76 199.35 225.58 282.08	320.86
08 33 16 00-0013	EA		8' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	2,663.72 216.21 300.74 356.75	427.93
08 33 16 00-0014	EA		12' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	3,031.55 271.39 451.21 506.08	427.93
08 33 16 00-0015	EA		16' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,240.66 361.08 601.61 696.69	641.71
08 33 16 00-0016	EA		18' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	4,844.00 405.93 601.61 696.69	733.38
08 33 16 00-0017	EA		20' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	5,443.26 450.77 752.02 887.29	855.30
08 33 16 00-0018	EA		24' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	6,738.07 569.97 902.41 1,022.87	1,026.74
08 33 16 00-0019	EA		30' x 6', Galvanized Steel Overhead Coiling Counter Grilles, Manual Lift..... For Lexan Lattice Pattern, Add For Aluminum With Clear Or Anodized Bronze Finish, Add For Staggered Brick Pattern, Add	8,212.95 681.90 1,050.65 1,146.71	1,283.42

**08 33 23 Overhead Coiling Doors (08 33)**

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0833 for forklift.

**08 33 23 11 Overhead Coiling Doors (08 33 23)**

Note: Includes panels, guides, counterbalance mechanisms, hardware, and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required.

**08 33 23 11-0001 Galvanized Steel Overhead Coiling Doors (Width x Height) (08 33 23 11)**

Note: Includes necessary anchors, track, and hardware. Includes galvanized steel primed with choice of baked-on polyester top coat finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.

**08 33 23 11-0002 26 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)**

08 33 23 11-0003	EA	4' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,531.64	674.10
08 33 23 11-0004	EA	4' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,636.21	713.75
08 33 23 11-0005	EA	5' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,633.26	713.75
08 33 23 11-0006	EA	5' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,741.68	753.40
08 33 23 11-0007	EA	6' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,774.54	773.26
08 33 23 11-0008	EA	6' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	1,922.30	832.70
08 33 23 11-0009	EA	6' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,041.74	872.36
08 33 23 11-0010	EA	8' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,012.58	872.36
08 33 23 11-0011	EA	8' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,073.36	892.19
08 33 23 11-0012	EA	8' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,143.53	912.01
08 33 23 11-0013	EA	8' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,281.85	951.66
08 33 23 11-0014	EA	10' x 7', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,139.46	912.01
08 33 23 11-0015	EA	10' x 8', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,262.44	951.66
08 33 23 11-0016	EA	10' x 9', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,399.97	991.31
08 33 23 11-0017	EA	10' x 10', 26 Gauge Galvanized Steel Overhead Coiling Door, Manual Lift.....	2,509.38	1,030.96

**08 33 23 11-0018 24 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)**

Note: With curtain hood (barrel cover).

08 33 23 11-0019	EA	8' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... For 3/4" Insulated Slats, Add	3,400.05 1,296.03	1,003.21
08 33 23 11-0020	EA	8' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... For 3/4" Insulated Slats, Add	3,493.89 1,337.86	1,026.02
08 33 23 11-0021	EA	8' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... For 3/4" Insulated Slats, Add	3,771.90 1,460.91	1,094.41
08 33 23 11-0022	EA	8' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... For 3/4" Insulated Slats, Add	4,010.06 1,582.53	1,140.01

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 11-0023	EA	10' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,625.73	1,048.81
		<i>For 3/4" Insulated Slats, Add</i>	1,408.29	
08 33 23 11-0024	EA	10' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,918.00	1,140.01
		<i>For 3/4" Insulated Slats, Add</i>	1,573.49	
08 33 23 11-0025	EA	10' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,119.05	1,185.61
		<i>For 3/4" Insulated Slats, Add</i>	1,607.28	
08 33 23 11-0026	EA	10' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,368.57	1,231.21
		<i>For 3/4" Insulated Slats, Add</i>	1,737.42	
08 33 23 11-0027	EA	12' x 7', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,860.87	1,094.41
		<i>For 3/4" Insulated Slats, Add</i>	1,527.64	
08 33 23 11-0028	EA	12' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,079.34	1,140.01
		<i>For 3/4" Insulated Slats, Add</i>	1,634.49	
08 33 23 11-0029	EA	12' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,389.03	1,231.21
		<i>For 3/4" Insulated Slats, Add</i>	1,752.76	
08 33 23 11-0030	EA	12' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,699.60	1,270.86
		<i>For 3/4" Insulated Slats, Add</i>	1,936.12	
08 33 23 11-0031	EA	14' x 8', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,834.12	1,350.17
		<i>For 3/4" Insulated Slats, Add</i>	1,937.88	
08 33 23 11-0032	EA	14' x 10', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,257.66	1,429.47
		<i>For 3/4" Insulated Slats, Add</i>	2,156.40	
08 33 23 11-0033	EA	14' x 12', 24 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,697.24	1,508.78
		<i>For 3/4" Insulated Slats, Add</i>	2,386.96	

**08 33 23 11-0034 22 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)**

Note: With curtain hood (barrel cover).

08 33 23 11-0035	EA	4' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,006.58	902.89
		<i>For 3/4" Insulated Slats, Add</i>	1,126.32	
08 33 23 11-0036	EA	4' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,227.05	953.06
		<i>For 3/4" Insulated Slats, Add</i>	1,228.93	
08 33 23 11-0037	EA	4' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,385.66	992.71
		<i>For 3/4" Insulated Slats, Add</i>	1,298.32	
08 33 23 11-0038	EA	6' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,441.92	1,053.38
		<i>For 3/4" Insulated Slats, Add</i>	1,264.68	
08 33 23 11-0039	EA	6' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,776.07	1,153.70
		<i>For 3/4" Insulated Slats, Add</i>	1,389.89	
08 33 23 11-0040	EA	6' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,978.05	1,193.35
		<i>For 3/4" Insulated Slats, Add</i>	1,491.81	
08 33 23 11-0041	EA	6' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,434.95	1,233.00
		<i>For 3/4" Insulated Slats, Add</i>	1,784.91	
08 33 23 11-0042	EA	6' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,931.48	1,292.48
		<i>For 3/4" Insulated Slats, Add</i>	2,082.97	
08 33 23 11-0043	EA	8' x 8', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	3,733.72	1,128.61
		<i>For 3/4" Insulated Slats, Add</i>	1,389.55	
08 33 23 11-0044	EA	8' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,031.88	1,203.86
		<i>For 3/4" Insulated Slats, Add</i>	1,519.10	
08 33 23 11-0045	EA	8' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,266.62	1,254.02
		<i>For 3/4" Insulated Slats, Add</i>	1,632.40	
08 33 23 11-0046	EA	8' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,706.60	1,293.67
		<i>For 3/4" Insulated Slats, Add</i>	1,912.82	
08 33 23 11-0047	EA	8' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,186.23	1,353.15
		<i>For 3/4" Insulated Slats, Add</i>	2,198.20	
08 33 23 11-0048	EA	10' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,392.93	1,304.17
		<i>For 3/4" Insulated Slats, Add</i>	1,664.48	
08 33 23 11-0049	EA	10' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,692.28	1,354.34
		<i>For 3/4" Insulated Slats, Add</i>	1,826.25	
08 33 23 11-0050	EA	10' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,228.37	1,433.65
		<i>For 3/4" Insulated Slats, Add</i>	2,129.18	
08 33 23 11-0051	EA	10' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,843.78	1,552.60
		<i>For 3/4" Insulated Slats, Add</i>	2,442.04	
08 33 23 11-0052	EA	10' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,493.04	1,711.21
		<i>For 3/4" Insulated Slats, Add</i>	2,730.72	
08 33 23 11-0053	EA	10' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,221.62	1,909.48
		<i>For 3/4" Insulated Slats, Add</i>	3,029.33	
08 33 23 11-0054	EA	10' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,029.49	2,147.39
		<i>For 3/4" Insulated Slats, Add</i>	3,337.84	
08 33 23 11-0055	EA	10' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,915.26	2,424.96
		<i>For 3/4" Insulated Slats, Add</i>	3,655.21	
08 33 23 11-0056	EA	12' x 10', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,705.62	1,354.34
		<i>For 3/4" Insulated Slats, Add</i>	1,836.25	
08 33 23 11-0057	EA	12' x 12', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	4,999.23	1,397.96
		<i>For 3/4" Insulated Slats, Add</i>	2,001.94	
08 33 23 11-0058	EA	12' x 14', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	5,657.73	1,477.26
		<i>For 3/4" Insulated Slats, Add</i>	2,396.68	
08 33 23 11-0059	EA	12' x 16', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	6,395.52	1,596.22
		<i>For 3/4" Insulated Slats, Add</i>	2,801.32	
08 33 23 11-0060	EA	12' x 18', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,143.25	1,754.83
		<i>For 3/4" Insulated Slats, Add</i>	3,163.86	
08 33 23 11-0061	EA	12' x 20', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	7,970.29	1,953.09
		<i>For 3/4" Insulated Slats, Add</i>	3,536.31	
08 33 23 11-0062	EA	12' x 22', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	8,876.64	2,191.01
		<i>For 3/4" Insulated Slats, Add</i>	3,918.68	
08 33 23 11-0063	EA	12' x 24', 22 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift.....	9,941.58	2,508.22
		<i>For 3/4" Insulated Slats, Add</i>	4,320.86	

**08 33 23 11-0064 20 Gauge Galvanized Steel Overhead Coiling Doors (08 33 23 11-0001)**

Note: With curtain hood (barrel cover)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0065	EA		14' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	5,705.89 2,308.19	1,577.00
08 33 23 11-0066	EA		14' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	6,210.99 2,587.89	1,656.30
08 33 23 11-0067	EA		14' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	6,808.27 2,936.71	1,735.61
08 33 23 11-0068	EA		14' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	7,427.22 3,252.23	1,854.56
08 33 23 11-0069	EA		14' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	8,156.96 3,601.27	2,013.18
08 33 23 11-0070	EA		14' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	8,886.12 3,949.88	2,171.78
08 33 23 11-0071	EA		14' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	10,317.11 4,775.29	2,370.05
08 33 23 11-0072	EA		14' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	11,827.40 5,610.61	2,607.96
08 33 23 11-0073	EA		16' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	6,818.54 2,846.97	1,813.55
08 33 23 11-0074	EA		16' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	7,385.63 3,173.15	1,892.85
08 33 23 11-0075	EA		16' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	7,896.65 3,457.29	1,972.16
08 33 23 11-0076	EA		16' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	8,503.19 3,763.49	2,091.12
08 33 23 11-0077	EA		16' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	9,235.74 4,114.65	2,249.72
08 33 23 11-0078	EA		16' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	10,056.59 4,532.02	2,408.34
08 33 23 11-0079	EA		16' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	11,272.09 5,195.82	2,606.60
08 33 23 11-0080	EA		16' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	12,575.39 5,875.90	2,844.52
08 33 23 11-0081	EA		18' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	7,422.35 3,016.41	2,040.25
08 33 23 11-0082	EA		18' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	7,935.62 3,302.23	2,119.56
08 33 23 11-0083	EA		18' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	8,749.68 3,764.08	2,238.51
08 33 23 11-0084	EA		18' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	9,534.50 4,154.43	2,397.13
08 33 23 11-0085	EA		18' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	10,402.98 4,557.97	2,595.38
08 33 23 11-0086	EA		18' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	11,351.32 4,971.83	2,833.30
08 33 23 11-0087	EA		18' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	12,883.54 5,774.03	3,110.87
08 33 23 11-0088	EA		18' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	14,520.89 6,605.52	3,428.09
08 33 23 11-0089	EA		20' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	8,493.39 3,437.14	2,346.29
08 33 23 11-0090	EA		20' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	9,423.19 4,035.36	2,425.59
08 33 23 11-0091	EA		20' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	10,743.54 4,471.78	2,868.74
08 33 23 11-0092	EA		20' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	11,757.88 5,083.84	2,987.69
08 33 23 11-0093	EA		20' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	12,987.80 5,808.01	3,146.30
08 33 23 11-0094	EA		20' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	14,347.06 6,629.20	3,304.92
08 33 23 11-0095	EA		20' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	15,791.71 7,464.86	3,503.17
08 33 23 11-0096	EA		20' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	17,337.07 8,326.48	3,741.09
08 33 23 11-0097	EA		22' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	9,430.98 3,601.36	2,777.54
08 33 23 11-0098	EA		22' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	10,492.74 4,248.98	2,896.49
08 33 23 11-0099	EA		22' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	11,982.36 5,042.23	3,155.60
08 33 23 11-0100	EA		22' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	13,278.98 5,866.00	3,274.55
08 33 23 11-0101	EA		22' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	14,658.96 6,702.73	3,433.17
08 33 23 11-0102	EA		22' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	16,167.83 7,636.12	3,591.78
08 33 23 11-0103	EA		22' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	17,760.25 8,582.60	3,790.03
08 33 23 11-0104	EA		22' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	19,423.38 9,532.55	4,027.95
08 33 23 11-0105	EA		24' x 10', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	10,390.80 3,973.97	3,055.28
08 33 23 11-0106	EA		24' x 12', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	11,112.59 4,416.17	3,134.58
08 33 23 11-0107	EA		24' x 14', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	12,614.10 5,443.18	3,213.88
08 33 23 11-0108	EA		24' x 16', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	14,051.36 6,372.43	3,332.84

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0109	EA		24' x 18', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,515.13 7,271.99	3,491.46
08 33 23 11-0110	EA		24' x 20', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	17,106.82 8,267.50	3,650.06
08 33 23 11-0111	EA		24' x 22', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	19,055.52 9,456.41	3,868.15
08 33 23 11-0112	EA		24' x 24', 20 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	21,047.38 10,677.69	4,086.24
<b>08 33 23 11-0113</b>			<b>18 Gauge Galvanized Steel Overhead Coiling Doors</b> (08 33 23 11-0001) Note: With curtain hood (barrel cover).		
08 33 23 11-0114	EA		14' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	6,246.34 2,614.99	1,655.89
08 33 23 11-0115	EA		14' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	6,811.35 2,934.66	1,739.16
08 33 23 11-0116	EA		14' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,482.34 3,333.82	1,822.43
08 33 23 11-0117	EA		14' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,170.36 3,693.70	1,947.25
08 33 23 11-0118	EA		14' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,977.84 4,091.13	2,113.79
08 33 23 11-0119	EA		14' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,784.65 4,488.06	2,280.34
08 33 23 11-0120	EA		14' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,390.63 5,432.33	2,488.60
08 33 23 11-0121	EA		14' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	13,079.88 6,387.00	2,738.40
08 33 23 11-0122	EA		16' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	7,478.55 3,228.67	1,904.27
08 33 23 11-0123	EA		16' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,114.84 3,601.80	1,987.55
08 33 23 11-0124	EA		16' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,686.65 3,926.57	2,070.81
08 33 23 11-0125	EA		16' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,360.37 4,275.73	2,195.64
08 33 23 11-0126	EA		16' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,171.10 4,675.59	2,362.18
08 33 23 11-0127	EA		16' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,083.36 5,151.61	2,528.72
08 33 23 11-0128	EA		16' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,441.52 5,910.02	2,736.98
08 33 23 11-0129	EA		16' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	13,892.73 6,686.16	2,986.79
08 33 23 11-0130	EA		18' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,127.59 3,417.86	2,142.19
08 33 23 11-0131	EA		18' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	8,701.99 3,744.57	2,225.46
08 33 23 11-0132	EA		18' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,614.36 4,272.72	2,350.44
08 33 23 11-0133	EA		18' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,485.20 4,717.67	2,516.98
08 33 23 11-0134	EA		18' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,444.28 5,176.76	2,725.08
08 33 23 11-0135	EA		18' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,487.31 5,646.76	2,974.90
08 33 23 11-0136	EA		18' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,193.83 6,562.35	3,266.42
08 33 23 11-0137	EA		18' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	16,013.35 7,510.64	3,599.50
08 33 23 11-0138	EA		20' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	9,298.09 3,894.05	2,463.53
08 33 23 11-0139	EA		20' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,351.48 4,580.00	2,546.81
08 33 23 11-0140	EA		20' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,586.70 4,924.82	3,012.17
08 33 23 11-0141	EA		20' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,699.21 5,603.07	3,137.15
08 33 23 11-0142	EA		20' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,046.39 6,405.28	3,303.69
08 33 23 11-0143	EA		20' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,537.31 7,315.29	3,470.24
08 33 23 11-0144	EA		20' x 22', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	17,118.26 8,240.78	3,678.33
08 33 23 11-0145	EA		20' x 24', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	18,806.22 9,194.50	3,928.14
08 33 23 11-0146	EA		22' x 10', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	10,139.37 3,959.07	2,916.36
08 33 23 11-0147	EA		22' x 12', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	11,304.57 4,676.83	3,041.35
08 33 23 11-0148	EA		22' x 14', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	12,928.12 5,554.28	3,313.37
08 33 23 11-0149	EA		22' x 16', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	14,354.26 6,467.76	3,438.35
08 33 23 11-0150	EA		22' x 18', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	15,868.21 7,395.04	3,604.89
08 33 23 11-0151	EA		22' x 20', 18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift..... <i>For 3/4" Insulated Slats, Add</i>	17,525.33 8,429.70	3,771.43



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 11-0152	EA	22' x 22'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	19,270.45 9,478.33	3,979.53
08 33 23 11-0153	EA	22' x 24'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	21,089.30 10,530.20	4,229.34
08 33 23 11-0154	EA	24' x 10'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	11,171.87 4,368.84	3,208.05
08 33 23 11-0155	EA	24' x 12'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	11,964.16 4,858.97	3,291.32
08 33 23 11-0156	EA	24' x 14'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	13,622.81 5,998.87	3,374.59
08 33 23 11-0157	EA	24' x 16'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	15,205.22 7,029.55	3,499.42
08 33 23 11-0158	EA	24' x 18'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	16,812.26 8,026.65	3,665.96
08 33 23 11-0159	EA	24' x 20'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	18,561.41 9,130.34	3,832.50
08 33 23 11-0160	EA	24' x 22'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	20,700.05 10,448.03	4,061.53
08 33 23 11-0161	EA	24' x 24'	18 Gauge Galvanized Steel Overhead Coiling Door, Chain Lift ..... <i>For 3/4" Insulated Slats, Add</i>	22,886.48 11,801.66	4,290.57
<b>08 33 23 11-0162 Aluminum Overhead Coiling Doors (Width x Height) (08 33 23 11)</b>					
Note: Includes necessary anchors, track and hardware. Includes clear anodized aluminum finish. 20 psf wind load. Non-galvanized exposed ferrous surfaces shall receive one coat of rust-inhibitive primer. Excludes steel framing supports.					
<b>08 33 23 11-0163 0.04" Aluminum Overhead Coiling Doors (08 33 23 11-0162)</b>					
08 33 23 11-0164	EA	4' x 8', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	2,982.00	902.89
08 33 23 11-0165	EA	4' x 10', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	3,197.70	953.06
08 33 23 11-0166	EA	4' x 12', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	3,707.30	992.71
08 33 23 11-0167	EA	6' x 8', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	3,631.40	1,053.38
08 33 23 11-0168	EA	6' x 10', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	3,974.70	1,153.70
08 33 23 11-0169	EA	6' x 12', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	4,196.71	1,193.35
08 33 23 11-0170	EA	6' x 14', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	4,461.53	1,233.00
08 33 23 11-0171	EA	6' x 16', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	4,769.08	1,292.48
08 33 23 11-0172	EA	8' x 8', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	3,957.85	1,128.61
08 33 23 11-0173	EA	8' x 10', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	4,301.48	1,203.86
08 33 23 11-0174	EA	8' x 12', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	4,598.00	1,254.02
08 33 23 11-0175	EA	8' x 14', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	4,863.01	1,293.67
08 33 23 11-0176	EA	8' x 16', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	5,168.68	1,353.15
08 33 23 11-0177	EA	10' x 10', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	4,713.39	1,304.17
08 33 23 11-0178	EA	10' x 12', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	5,005.45	1,354.34
08 33 23 11-0179	EA	10' x 14', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	5,400.46	1,433.65
08 33 23 11-0180	EA	10' x 16', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	5,876.10	1,552.60
08 33 23 11-0181	EA	10' x 18', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	6,599.83	1,711.21
08 33 23 11-0182	EA	10' x 20', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	7,402.78	1,909.48
08 33 23 11-0183	EA	10' x 22', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	8,281.15	2,147.39
08 33 23 11-0184	EA	10' x 24', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	9,239.95	2,424.96
08 33 23 11-0185	EA	12' x 10', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	5,000.64	1,354.34
08 33 23 11-0186	EA	12' x 12', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	5,550.85	1,397.96
08 33 23 11-0187	EA	12' x 14', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	6,070.28	1,477.26
08 33 23 11-0188	EA	12' x 16', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	6,671.19	1,596.22
08 33 23 11-0189	EA	12' x 18', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	7,480.10	1,754.83
08 33 23 11-0190	EA	12' x 20', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	8,370.19	1,953.09
08 33 23 11-0191	EA	12' x 22', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	9,067.97	2,191.01
08 33 23 11-0192	EA	12' x 24', 0.04"	Aluminum Overhead Coiling Door, Chain Lift.....	9,926.85	2,508.22
<b>08 33 23 11-0193 0.05" Aluminum Overhead Coiling Doors (08 33 23 11-0162)</b>					
08 33 23 11-0194	EA	14' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	5,730.09	1,577.00
08 33 23 11-0195	EA	14' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	6,403.92	1,656.30
08 33 23 11-0196	EA	14' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,065.59	1,735.61
08 33 23 11-0197	EA	14' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,757.73	1,854.56
08 33 23 11-0198	EA	14' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,568.85	2,013.18
08 33 23 11-0199	EA	14' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,379.94	2,171.78
08 33 23 11-0200	EA	14' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	10,281.02	2,370.05
08 33 23 11-0201	EA	14' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	11,261.53	2,607.96
08 33 23 11-0202	EA	16' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	6,668.15	1,813.55
08 33 23 11-0203	EA	16' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,370.96	1,892.85
08 33 23 11-0204	EA	16' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,046.31	1,972.16
08 33 23 11-0205	EA	16' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,820.80	2,091.12
08 33 23 11-0206	EA	16' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,729.46	2,249.72
08 33 23 11-0207	EA	16' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	10,683.84	2,408.34
08 33 23 11-0208	EA	16' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	11,680.94	2,606.60
08 33 23 11-0209	EA	16' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	12,710.10	2,844.52
08 33 23 11-0210	EA	18' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	7,458.50	2,040.25
08 33 23 11-0211	EA	18' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,208.55	2,119.56
08 33 23 11-0212	EA	18' x 14', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,107.09	2,238.51
08 33 23 11-0213	EA	18' x 16', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	10,073.08	2,397.13
08 33 23 11-0214	EA	18' x 18', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	11,128.11	2,595.38
08 33 23 11-0215	EA	18' x 20', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	12,256.37	2,833.30
08 33 23 11-0216	EA	18' x 22', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	13,462.40	3,110.87
08 33 23 11-0217	EA	18' x 24', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	14,753.82	3,428.09
08 33 23 11-0218	EA	20' x 10', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	8,527.87	2,346.29
08 33 23 11-0219	EA	20' x 12', 0.05"	Aluminum Overhead Coiling Door, Chain Lift.....	9,291.65	2,425.59

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 11-0220	EA	20' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	10,540.18		2,544.56
08 33 23 11-0221	EA	20' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,454.98		2,703.16
08 33 23 11-0222	EA	20' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	12,592.33		2,901.42
08 33 23 11-0223	EA	20' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,836.40		3,139.34
08 33 23 11-0224	EA	20' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	15,111.01		3,416.91
08 33 23 11-0225	EA	20' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	16,496.97		3,734.12
08 33 23 11-0226	EA	22' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	10,071.61		2,777.54
08 33 23 11-0227	EA	22' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,083.89		2,896.49
08 33 23 11-0228	EA	22' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	12,486.36		3,155.60
08 33 23 11-0229	EA	22' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,588.54		3,274.55
08 33 23 11-0230	EA	22' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	14,768.56		3,433.17
08 33 23 11-0231	EA	22' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	15,959.21		3,591.77
08 33 23 11-0232	EA	22' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	17,171.26		3,790.03
08 33 23 11-0233	EA	22' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	18,470.21		4,027.95
08 33 23 11-0234	EA	24' x 10', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,098.23		3,055.28
08 33 23 11-0235	EA	24' x 12', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	11,721.76		3,134.58
08 33 23 11-0236	EA	24' x 14', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	13,163.88		3,213.88
08 33 23 11-0237	EA	24' x 16', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	14,391.07		3,332.84
08 33 23 11-0238	EA	24' x 18', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	15,635.09		3,491.46
08 33 23 11-0239	EA	24' x 20', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	16,879.12		3,650.06
08 33 23 11-0240	EA	24' x 22', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	18,360.96		3,848.33
08 33 23 11-0241	EA	24' x 24', 0.05" Aluminum Overhead Coiling Door, Chain Lift .....	19,967.87		4,086.24
<b>08 33 23 11-0242 Overhead Coiling Door Accessories (08 33 23 11)</b>					
08 33 23 11-0243	LF	Bottom Of Door, Weather Strip Seal For Coiling Doors, Astragal Only .....	5.72		1.71
08 33 23 11-0244	LF	Top Of Door (Lintel), Weather Strip Seal For Coiling Doors .....	35.41		2.05
08 33 23 11-0245	LF	Side Of Door (Guides), Weather Strip Seal For Coiling Doors .....	33.79		2.05
08 33 23 11-0246	EA	Cylinder Lock For Coiling Doors .....	319.54		85.47
08 33 23 11-0247	EA	Up To 12' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	1,938.97		273.51
		Note: Includes three button inside station controls and mounting hardware.			
08 33 23 11-0248	EA	Up To 12' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,435.48		273.51
		Note: Includes three button inside station controls and mounting hardware.			
08 33 23 11-0249	EA	>12' To 18' Height, 1/2 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,292.93		307.68
		Note: Includes three button inside station controls and mounting hardware.			
08 33 23 11-0250	EA	>12' To 18' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,700.58		307.68
		Note: Includes three button inside station controls and mounting hardware.			
08 33 23 11-0251	EA	>18' To 24' Height, 3/4 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	2,944.81		341.87
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.			
08 33 23 11-0252	EA	>18' To 24' Height, 1 HP Motorized Jackshaft Operator For Coiling Doors And Grilles .....	3,192.11		341.87
		Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator.			
08 33 23 11-0253	LF	Safety Edge Bottom Bar Obstruction Detection Device, Electric For Coiling Doors And Grilles .....	98.94		
08 33 23 11-0254	EA	Remote Transmitter Kit For Coiling Door Operators .....	426.32		136.75
<b>08 33 23 11-0255 Removal And Reinstallation Of Roll-Up Door And Support (08 33 23 11)</b>					
		Note: Includes storage, cleaning and supply materials.			
08 33 23 11-0256	SF	Removal And Reinstallation Of Metal Roll-up Door And Supports .....	29.08		
<b>08 33 23 13 Overhead Rapid Coiling Doors (08 33 23)</b>					
		Note: Includes panels, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required. Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0833 for forklift.			
<b>08 33 23 13-0001 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13)</b>					
		Note: Door panel is 32 ounce vinyl. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Manual drive system.			
<b>08 33 23 13-0002 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0001)</b>					
<b>08 33 23 13-0003 5' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>					
08 33 23 13-0004	EA	5' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	4,967.56		500.51
08 33 23 13-0005	EA	5' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,235.75		523.76
08 33 23 13-0006	EA	5' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,502.23		547.00
08 33 23 13-0007	EA	5' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,766.99		570.25
08 33 23 13-0008	EA	5' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,035.19		593.50
08 33 23 13-0009	EA	5' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,301.66		616.75
<b>08 33 23 13-0010 6' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®) (08 33 23 13-0002)</b>					
08 33 23 13-0011	EA	6' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,235.75		523.76
08 33 23 13-0012	EA	6' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,502.23		547.00
08 33 23 13-0013	EA	6' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,766.99		570.25
08 33 23 13-0014	EA	6' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,035.19		593.50
08 33 23 13-0015	EA	6' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,301.66		616.75
08 33 23 13-0016	EA	6' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,568.13		640.00



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 23 13-0017</b>		<b>7' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> (08 33 23 13-0002)		
08 33 23 13-0018	EA	7' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,502.23	547.00
08 33 23 13-0019	EA	7' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,766.99	570.25
08 33 23 13-0020	EA	7' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,035.19	593.50
08 33 23 13-0021	EA	7' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,301.66	616.75
08 33 23 13-0022	EA	7' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,568.13	640.00
08 33 23 13-0023	EA	7' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,836.34	663.24

<b>08 33 23 13-0024</b>		<b>8' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> (08 33 23 13-0002)		
08 33 23 13-0025	EA	8' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	5,766.99	570.25
08 33 23 13-0026	EA	8' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,035.19	593.50
08 33 23 13-0027	EA	8' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,301.66	616.75
08 33 23 13-0028	EA	8' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,568.13	640.00
08 33 23 13-0029	EA	8' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,836.34	663.24
08 33 23 13-0030	EA	8' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	7,101.09	686.49

<b>08 33 23 13-0031</b>		<b>9' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> (08 33 23 13-0002)		
08 33 23 13-0032	EA	9' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,035.19	593.50
08 33 23 13-0033	EA	9' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,301.66	616.75
08 33 23 13-0034	EA	9' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,568.13	640.00
08 33 23 13-0035	EA	9' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,836.34	663.24
08 33 23 13-0036	EA	9' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	7,101.09	686.49
08 33 23 13-0037	EA	9' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	7,369.28	709.74

<b>08 33 23 13-0038</b>		<b>10' Wide, 32 Ounce Vinyl Panels, Manually Operated Rolling Doors (Rytec® Bantam®)</b> (08 33 23 13-0002)		
08 33 23 13-0039	EA	10' x 5', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,301.66	616.75
08 33 23 13-0040	EA	10' x 6', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,568.13	640.00
08 33 23 13-0041	EA	10' x 7', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	6,836.34	663.24
08 33 23 13-0042	EA	10' x 8', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	7,101.09	686.49
08 33 23 13-0043	EA	10' x 9', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	7,369.28	709.74
08 33 23 13-0044	EA	10' x 10', 32 Ounce Vinyl Panels, Manually Operated Rolling Door (Rytec® Bantam®) .....	7,635.77	732.98

<b>08 33 23 13-0045</b>		<b>Rytec® Bantam® Door Options</b> (08 33 23 13-0001)		
08 33 23 13-0046	SF	Upgrade To 2-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors .....	10.74	
08 33 23 13-0047	SF	Upgrade To 3-Ply Rilon Panel Material For Rytec® Bantam® High-Speed Rolling Doors .....	23.63	
08 33 23 13-0048	LF	31" High Full Vision Panel For Rytec® Bantam® High-Speed Rolling Doors .....	34.37	
		Note: Multiply linear foot price x width of door.		
08 33 23 13-0049	EA	Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Bantam® High-Speed Rolling Doors .....	326.54	
08 33 23 13-0050	EA	Roll Cover For Rytec® Bantam® High-Speed Rolling Doors .....	652.33	68.38
08 33 23 13-0051	EA	Motor Cover For Rytec® Bantam® High-Speed Rolling Doors .....	652.33	68.38
08 33 23 13-0052	EA	Motor Operator For Rytec® Bantam® High-Speed Rolling Doors .....	2,722.52	136.75
		Note: Includes open/close/stop pushbutton, pneumatic reversing edge and coil cord.		
08 33 23 13-0053	EA	Additional NEMA 4 Pushbutton Control For Rytec® Bantam® Motor Operator .....	360.17	68.38
		Note: Includes open/close/stop control.		
08 33 23 13-0054	EA	Auto Close Feature For Rytec® Bantam® Motor Operator .....	351.58	68.38

<b>08 33 23 13-0055</b>		<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13)		
		Note: Rytec® PredaDoor® PD5500. Door panel is 2-ply multi-filament Rilon. Includes full width vision panel. Side frames are fully bolted together, anodized aluminum construction with weather seal. Bottom bar releases in either direction when impacted, without damage to door. Drive system is a 3 phase, variable-speed AC Drive with brake and absolute encoder. Opens at 50" per second and closes at 21" per second.		

<b>08 33 23 13-0056</b>		<b>2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0055)		
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<b>08 33 23 13-0057</b>		<b>6' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0058	EA	6' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	14,912.88	547.00
08 33 23 13-0059	EA	6' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	15,159.87	570.25
08 33 23 13-0060	EA	6' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	15,443.47	593.50
08 33 23 13-0061	EA	6' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	15,835.28	616.75
08 33 23 13-0062	EA	6' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	16,235.04	640.00
08 33 23 13-0063	EA	6' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	16,902.15	663.24
08 33 23 13-0064	EA	6' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	17,378.30	686.49

<b>08 33 23 13-0065</b>		<b>7' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0066	EA	7' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	15,212.38	570.25
08 33 23 13-0067	EA	7' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	15,524.63	593.50
08 33 23 13-0068	EA	7' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	15,914.84	616.75
08 33 23 13-0069	EA	7' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	16,327.33	640.00
08 33 23 13-0070	EA	7' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	16,868.74	663.24
08 33 23 13-0071	EA	7' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®) .....	17,519.92	686.49

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 33 23 13-0072	EA	7' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,035.85	709.74
<b>08 33 23 13-0073</b>		<b>8' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0074	EA	8' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,575.55	593.50
08 33 23 13-0075	EA	8' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	15,964.17	616.75
08 33 23 13-0076	EA	8' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,392.58	640.00
08 33 23 13-0077	EA	8' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,949.89	663.24
08 33 23 13-0078	EA	8' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,453.09	686.49
08 33 23 13-0079	EA	8' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,161.56	709.74
08 33 23 13-0080	EA	8' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,744.33	732.98
<b>08 33 23 13-0081</b>		<b>9' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0082	EA	9' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,016.69	616.75
08 33 23 13-0083	EA	9' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,441.91	640.00
08 33 23 13-0084	EA	9' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,999.22	663.24
08 33 23 13-0085	EA	9' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,518.33	686.49
08 33 23 13-0086	EA	9' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,062.90	709.74
08 33 23 13-0087	EA	9' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,628.16	732.98
08 33 23 13-0088	EA	9' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,247.52	756.24
<b>08 33 23 13-0089</b>		<b>10' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0090	EA	10' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	16,483.28	640.00
08 33 23 13-0091	EA	10' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,051.74	663.24
08 33 23 13-0092	EA	10' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,566.07	686.49
08 33 23 13-0093	EA	10' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,115.41	709.74
08 33 23 13-0094	EA	10' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,723.64	732.98
08 33 23 13-0095	EA	10' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,852.88	756.24
08 33 23 13-0096	EA	10' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,881.21	779.48
<b>08 33 23 13-0097</b>		<b>11' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0098	EA	11' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,081.97	663.24
08 33 23 13-0099	EA	11' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,609.03	686.49
08 33 23 13-0100	EA	11' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,164.74	709.74
08 33 23 13-0101	EA	11' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,774.56	732.98
08 33 23 13-0102	EA	11' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,177.50	756.24
08 33 23 13-0103	EA	11' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,967.14	779.48
08 33 23 13-0104	EA	11' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,615.15	802.73
<b>08 33 23 13-0105</b>		<b>12' Wide, 2 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® PredaDoor®)</b> (08 33 23 13-0056)		
08 33 23 13-0106	EA	12' x 6', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	17,623.36	686.49
08 33 23 13-0107	EA	12' x 7', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,193.38	709.74
08 33 23 13-0108	EA	12' x 8', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	18,814.34	732.98
08 33 23 13-0109	EA	12' x 9', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,231.61	756.24
08 33 23 13-0110	EA	12' x 10', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	19,777.78	779.48
08 33 23 13-0111	EA	12' x 11', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	20,688.35	802.73
08 33 23 13-0112	EA	12' x 12', 2 Ply Fabric Panel, High-Speed Rolling Door (Rytec® PredaDoor®).....	21,323.63	825.98
<b>08 33 23 13-0113</b>		<b>Rytec® PredaDoor® Door Options</b> (08 33 23 13-0055)		
08 33 23 13-0114	EA	Up To 10' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors .....	790.68	136.75
08 33 23 13-0115	EA	>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® PredaDoor® High-Speed Rolling Doors .....	1,132.81	136.75
08 33 23 13-0116	SF	Upgrade To 3-Ply Rilcon Panel Material For Rytec® PredaDoor® High-Speed Rolling Doors .....	12.89	
<b>08 33 23 13-0117</b>		<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13) Note: Rytec® Fast-Seal® FS1000. Door panel is heavy-duty 3-ply multi-filament Rilcon. Independent opening and closing speeds up to 50" per second. Side frames are fully bolted together, reinforced with front and rear wind bar guides and full height vinyl weather seal on either side of the door panel. Counterbalance system consists of guided counterweights custom-sized to provide to provide proper balancing of each door system. The independent tensioning system maintains constant panel tensioning. The drive system is a 3 phase, variable speed AC drive motor with brake and absolute encoder. Bottom bar breaks away in either direction without damage to the bar, safety astragal, or side covers.		
<b>08 33 23 13-0118</b>		<b>3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0117)		
<b>08 33 23 13-0119</b>		<b>8' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23 13-0120	EA	8' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	22,763.35	1,230.76
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	2,200.00	
		For 316 Stainless Steel Side Frame Tower, Add	3,300.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0121	EA		8' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,789.46 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,265.63
08 33 23 13-0122	EA		8' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,685.09 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,300.50
08 33 23 13-0123	EA		8' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,647.55 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,335.37
08 33 23 13-0124	EA		8' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,737.32 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,370.25
08 33 23 13-0125	EA		8' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	27,314.69 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,405.12
08 33 23 13-0126	EA		8' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	28,210.33 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,439.98
08 33 23 13-0127	EA		8' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	29,010.65 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,477.43
08 33 23 13-0128	EA		8' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	30,278.46 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,515.84
08 33 23 13-0129	EA		8' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	31,305.95 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,555.26
08 33 23 13-0130	EA		8' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	32,576.10 675.00 1,100.00 2,750.00 2,200.00 3,300.00	1,595.69
08 33 23 13-0131			<b>9' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23 13-0132	EA		9' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	23,789.46 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,265.63
08 33 23 13-0133	EA		9' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	24,685.09 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,300.50
08 33 23 13-0134	EA		9' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	25,647.55 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,335.37
08 33 23 13-0135	EA		9' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	26,737.32 675.00 1,100.00 2,750.00 2,750.00 4,125.00	1,370.25

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0136	EA	9' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,314.69	1,405.12
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23 13-0137	EA	9' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,210.33	1,439.98
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23 13-0138	EA	9' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,362.15	1,474.86
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23 13-0139	EA	9' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,278.46	1,515.84
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23 13-0140	EA	9' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	31,305.95	1,555.26
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23 13-0141	EA	9' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	32,576.10	1,595.69
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	
08 33 23 13-0142	EA	9' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	34,087.24	1,637.18
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	2,750.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,125.00	

**08 33 23 13-0143 10' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0118)

08 33 23 13-0144	EA	10' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	24,685.09	1,300.50
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0145	EA	10' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	25,647.55	1,335.37
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0146	EA	10' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	26,737.32	1,370.25
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0147	EA	10' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	27,314.69	1,405.12
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0148	EA	10' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	28,210.33	1,439.98
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0149	EA	10' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	29,362.15	1,474.86
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	
08 33 23 13-0150	EA	10' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)	30,450.32	1,509.73
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	3,300.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	4,950.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0151	EA		10' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,304.44 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,554.49
08 33 23 13-0152	EA		10' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,574.55 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,594.91
08 33 23 13-0153	EA		10' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,085.65 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,636.38
08 33 23 13-0154	EA		10' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,361.73 675.00 1,100.00 2,750.00 3,300.00 4,950.00	1,678.93
<b>08 33 23 13-0155 11' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> <small>(08 33 23 13-0118)</small>					
08 33 23 13-0156	EA		11' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	25,647.55 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,335.37
08 33 23 13-0157	EA		11' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	26,737.32 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,370.25
08 33 23 13-0158	EA		11' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	27,314.69 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,405.12
08 33 23 13-0159	EA		11' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	28,210.33 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,439.98
08 33 23 13-0160	EA		11' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,362.15 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,474.86
08 33 23 13-0161	EA		11' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,450.32 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,509.73
08 33 23 13-0162	EA		11' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,665.80 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,544.61
08 33 23 13-0163	EA		11' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,570.82 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,593.04
08 33 23 13-0164	EA		11' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,081.82 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,634.46
08 33 23 13-0165	EA		11' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,357.80 675.00 1,100.00 2,750.00 3,850.00 5,775.00	1,676.96

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 13-0166	EA	11' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,871.45		1,720.56
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	3,850.00		
		For 316 Stainless Steel Side Frame Tower, Add	5,775.00		
<b>08 33 23 13-0167 12' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>					
08 33 23 13-0168	EA	12' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	26,737.32		1,370.25
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0169	EA	12' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,314.69		1,405.12
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0170	EA	12' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	28,210.33		1,439.98
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0171	EA	12' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	29,362.15		1,474.86
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0172	EA	12' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,450.32		1,509.73
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0173	EA	12' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,665.80		1,544.61
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0174	EA	12' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,542.34		1,579.47
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0175	EA	12' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,076.09		1,631.60
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0176	EA	12' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,351.91		1,674.02
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0177	EA	12' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,865.42		1,717.54
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
08 33 23 13-0178	EA	12' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,381.17		1,762.20
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,400.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,600.00		
<b>08 33 23 13-0179 13' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>					
08 33 23 13-0180	EA	13' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	27,970.31		1,405.12
		For NEMA 4X Control Box, Add	675.00		
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00		
		For AC Variable Speed Motor And Controls, Add	2,750.00		
		For 304 Stainless Steel Side Frame Tower, Add	4,950.00		
		For 316 Stainless Steel Side Frame Tower, Add	6,975.00		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0181	EA		13' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,112.59 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,439.98
08 33 23 13-0182	EA		13' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,195.99 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,474.86
08 33 23 13-0183	EA		13' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,452.84 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,509.73
08 33 23 13-0184	EA		13' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,704.92 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,544.61
08 33 23 13-0185	EA		13' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	33,637.16 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,579.47
08 33 23 13-0186	EA		13' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	34,348.19 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,614.34
08 33 23 13-0187	EA		13' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	35,442.37 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,670.27
08 33 23 13-0188	EA		13' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	36,957.39 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,713.69
08 33 23 13-0189	EA		13' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	38,479.82 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,758.25
08 33 23 13-0190	EA		13' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	39,822.40 675.00 1,100.00 2,750.00 4,950.00 6,975.00	1,803.96
08 33 23 13-0191			<b>14' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)</b> (08 33 23 13-0118)		
08 33 23 13-0192	EA		14' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	29,112.59 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,439.98
08 33 23 13-0193	EA		14' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	30,195.99 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,474.86
08 33 23 13-0194	EA		14' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	31,452.84 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,509.73
08 33 23 13-0195	EA		14' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add For 304 Stainless Steel Side Frame Tower, Add For 316 Stainless Steel Side Frame Tower, Add	32,704.92 675.00 1,100.00 2,750.00 5,480.00 7,370.00	1,544.61

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0196	EA	14' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,637.16	1,579.47
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0197	EA	14' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,348.19	1,614.34
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0198	EA	14' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,399.78	1,649.22
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0199	EA	14' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,947.71	1,708.85
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0200	EA	14' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,469.88	1,753.28
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0201	EA	14' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,812.20	1,798.86
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	
08 33 23 13-0202	EA	14' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,719.10	1,845.63
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
		For 304 Stainless Steel Side Frame Tower, Add	5,480.00	
		For 316 Stainless Steel Side Frame Tower, Add	7,370.00	

**08 33 23 13-0203 15' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0118)

08 33 23 13-0204	EA	15' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	30,126.76	1,439.98
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0205	EA	15' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,384.06	1,474.86
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0206	EA	15' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,636.20	1,509.73
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0207	EA	15' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,568.68	1,544.61
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0208	EA	15' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,279.47	1,579.47
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0209	EA	15' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,330.53	1,614.34
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0210	EA	15' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,904.31	1,687.15
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0211	EA	15' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,459.62	1,748.15
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0212	EA	15' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,801.68	1,793.61
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0213	EA	15' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,708.31	1,840.24
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0214	EA	15' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,758.04	1,888.08
		For NEMA 4X Control Box, Add	675.00	
		For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
		For AC Variable Speed Motor And Controls, Add	2,750.00	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 33 23 13-0215	16' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23 13-0216	EA 16' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	31,448.32	1,506.99
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0217	EA 16' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,703.70	1,543.49
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0218	EA 16' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,639.43	1,579.97
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0219	EA 16' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,353.46	1,616.47
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0220	EA 16' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,407.77	1,652.96
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0221	EA 16' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,908.92	1,689.46
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0222	EA 16' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,415.22	1,725.96
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0223	EA 16' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,791.19	1,788.36
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0224	EA 16' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,697.55	1,834.85
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0225	EA 16' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,747.01	1,882.57
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0226	EA 16' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,809.27	1,931.51
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
	For 304 Stainless Steel Side Frame Tower, Add	6,070.00	
	For 316 Stainless Steel Side Frame Tower, Add	7,790.00	
08 33 23 13-0227	17' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) <small>(08 33 23 13-0118)</small>		
08 33 23 13-0228	EA 17' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	32,586.61	1,541.65
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0229	EA 17' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,637.44	1,578.99
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0230	EA 17' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	34,906.54	1,616.32
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	
08 33 23 13-0231	EA 17' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,299.38	1,653.65
	For NEMA 4X Control Box, Add	675.00	
	For 2 Speed Motor, 60" Open, 30" Close, Add	1,100.00	
	For AC Variable Speed Motor And Controls, Add	2,750.00	

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 33 23 13-0232	EA	17' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	37,578.79	1,690.98
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0233	EA	17' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,475.18	1,728.32
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0234	EA	17' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	41,302.83	1,765.65
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0235	EA	17' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,686.82	1,829.49
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0236	EA	17' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,736.00	1,877.06
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0237	EA	17' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,797.97	1,925.86
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
08 33 23 13-0238	EA	17' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	48,798.90	1,975.93
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	

**08 33 23 13-0239 18' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®)** (08 33 23 13-0116)

08 33 23 13-0240	EA	18' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	33,967.10	1,577.11
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0241	EA	18' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	35,351.34	1,615.30
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0242	EA	18' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	36,857.61	1,653.49
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0243	EA	18' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	38,358.71	1,691.69
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0244	EA	18' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	39,923.42	1,729.88
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0245	EA	18' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	42,141.18	1,768.07
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0246	EA	18' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	44,420.81	1,806.26
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0247	EA	18' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	45,558.55	1,871.57
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	
08 33 23 13-0248	EA	18' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®).....	46,786.72	1,920.23
		<i>For NEMA 4X Control Box, Add</i>	675.00	
		<i>For 2 Speed Motor, 60" Open, 30" Close, Add</i>	1,100.00	
		<i>For AC Variable Speed Motor And Controls, Add</i>	2,750.00	
		<i>For 304 Stainless Steel Side Frame Tower, Add</i>	6,720.00	
		<i>For 316 Stainless Steel Side Frame Tower, Add</i>	8,230.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0249	EA		18' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	48,730.63 675.00 1,100.00 2,750.00 6,720.00 8,230.00	1,970.15
08 33 23 13-0250	EA		18' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i> <i>For 304 Stainless Steel Side Frame Tower, Add</i> <i>For 316 Stainless Steel Side Frame Tower, Add</i>	50,737.29 675.00 1,100.00 2,750.00 6,720.00 8,230.00	2,021.38
<b>08 33 23 13-0251 19' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>					
08 33 23 13-0252	EA		19' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	35,347.51 675.00 1,100.00 2,750.00	1,613.38
08 33 23 13-0253	EA		19' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	36,855.53 675.00 1,100.00 2,750.00	1,652.46
08 33 23 13-0254	EA		19' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	38,358.39 675.00 1,100.00 2,750.00	1,691.52
08 33 23 13-0255	EA		19' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,924.86 675.00 1,100.00 2,750.00	1,730.59
08 33 23 13-0256	EA		19' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,144.38 675.00 1,100.00 2,750.00	1,769.66
08 33 23 13-0257	EA		19' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	44,425.77 675.00 1,100.00 2,750.00	1,808.73
08 33 23 13-0258	EA		19' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,511.02 675.00 1,100.00 2,750.00	1,847.80
08 33 23 13-0259	EA		19' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,775.48 675.00 1,100.00 2,750.00	1,914.62
08 33 23 13-0260	EA		19' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,719.10 675.00 1,100.00 2,750.00	1,964.40
08 33 23 13-0261	EA		19' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	50,725.47 675.00 1,100.00 2,750.00	2,015.47
08 33 23 13-0262	EA		19' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	52,734.49 675.00 1,100.00 2,750.00	2,067.87
<b>08 33 23 13-0263 20' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>					
08 33 23 13-0264	EA		20' x 8', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	36,851.61 675.00 1,100.00 2,750.00	1,650.49
08 33 23 13-0265	EA		20' x 9', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	38,356.26 675.00 1,100.00 2,750.00	1,690.46
08 33 23 13-0266	EA		20' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	39,924.53 675.00 1,100.00 2,750.00	1,730.42
08 33 23 13-0267	EA		20' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	42,145.84 675.00 1,100.00 2,750.00	1,770.40
08 33 23 13-0268	EA		20' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	44,429.03 675.00 1,100.00 2,750.00	1,810.37
08 33 23 13-0269	EA		20' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,516.08 675.00 1,100.00 2,750.00	1,850.33



**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 33 23 13-0270	EA 20' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	46,726.85 675.00 1,100.00 2,750.00	1,890.30
08 33 23 13-0271	EA 20' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,707.62 675.00 1,100.00 2,750.00	1,958.66
08 33 23 13-0272	EA 20' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	50,713.68 675.00 1,100.00 2,750.00	2,009.58
08 33 23 13-0273	EA 20' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	52,722.40 675.00 1,100.00 2,750.00	2,061.83
08 33 23 13-0274	EA 20' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	54,493.23 675.00 1,100.00 2,750.00	2,115.43
<b>08 33 23 13-0275 21' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>			
08 33 23 13-0276	EA 21' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	45,986.59 675.00 1,100.00 2,750.00	1,770.23
08 33 23 13-0277	EA 21' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	48,209.75 675.00 1,100.00 2,750.00	1,811.11
08 33 23 13-0278	EA 21' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	50,493.06 675.00 1,100.00 2,750.00	1,852.00
08 33 23 13-0279	EA 21' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	51,585.38 675.00 1,100.00 2,750.00	1,892.89
08 33 23 13-0280	EA 21' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	52,796.28 675.00 1,100.00 2,750.00	1,933.78
08 33 23 13-0281	EA 21' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	54,780.19 675.00 1,100.00 2,750.00	2,003.70
08 33 23 13-0282	EA 21' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	56,788.59 675.00 1,100.00 2,750.00	2,055.80
08 33 23 13-0283	EA 21' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	58,799.71 675.00 1,100.00 2,750.00	2,109.25
08 33 23 13-0284	EA 21' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	60,573.00 675.00 1,100.00 2,750.00	2,164.09
<b>08 33 23 13-0285 22' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>			
08 33 23 13-0286	EA 22' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	47,731.63 675.00 1,100.00 2,750.00	1,810.94
08 33 23 13-0287	EA 22' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	49,958.39 675.00 1,100.00 2,750.00	1,852.77
08 33 23 13-0288	EA 22' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	52,241.85 675.00 1,100.00 2,750.00	1,894.60
08 33 23 13-0289	EA 22' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	53,334.35 675.00 1,100.00 2,750.00	1,936.43
08 33 23 13-0290	EA 22' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	54,550.57 675.00 1,100.00 2,750.00	1,978.25
08 33 23 13-0291	EA 22' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... <i>For NEMA 4X Control Box, Add</i> <i>For 2 Speed Motor, 60" Open, 30" Close, Add</i> <i>For AC Variable Speed Motor And Controls, Add</i>	56,537.68 675.00 1,100.00 2,750.00	2,049.79



MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
08 33 23 13-0292	EA 22' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	58,548.49 675.00 1,100.00 2,750.00		2,103.09
08 33 23 13-0293	EA 22' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	60,560.34 675.00 1,100.00 2,750.00		2,157.76
08 33 23 13-0294	EA 22' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	62,337.88 675.00 1,100.00 2,750.00		2,213.86
<b>08 33 23 13-0295 23' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>				
08 33 23 13-0296	EA 23' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	49,480.27 675.00 1,100.00 2,750.00		1,852.59
08 33 23 13-0297	EA 23' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	51,707.23 675.00 1,100.00 2,750.00		1,895.38
08 33 23 13-0298	EA 23' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	53,994.34 675.00 1,100.00 2,750.00		1,938.17
08 33 23 13-0299	EA 23' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	55,088.74 675.00 1,100.00 2,750.00		1,980.97
08 33 23 13-0300	EA 23' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	56,305.17 675.00 1,100.00 2,750.00		2,023.76
08 33 23 13-0301	EA 23' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	58,297.31 675.00 1,100.00 2,750.00		2,096.93
08 33 23 13-0302	EA 23' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	60,308.85 675.00 1,100.00 2,750.00		2,151.45
08 33 23 13-0303	EA 23' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	62,324.93 675.00 1,100.00 2,750.00		2,207.40
08 33 23 13-0304	EA 23' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	64,105.05 675.00 1,100.00 2,750.00		2,264.78
<b>08 33 23 13-0305 24' Wide, 3 Ply Fabric Panel, High-Speed Rolling Doors (Rytec® Fast-Seal®) (08 33 23 13-0118)</b>				
08 33 23 13-0306	EA 24' x 10', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	51,229.09 675.00 1,100.00 2,750.00		1,895.20
08 33 23 13-0307	EA 24' x 11', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	53,458.02 675.00 1,100.00 2,750.00		1,938.98
08 33 23 13-0308	EA 24' x 12', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	55,748.82 675.00 1,100.00 2,750.00		1,982.75
08 33 23 13-0309	EA 24' x 13', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	56,845.20 675.00 1,100.00 2,750.00		2,026.53
08 33 23 13-0310	EA 24' x 14', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	58,061.88 675.00 1,100.00 2,750.00		2,070.30
08 33 23 13-0311	EA 24' x 15', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	60,055.65 675.00 1,100.00 2,750.00		2,145.16
08 33 23 13-0312	EA 24' x 16', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	62,071.42 675.00 1,100.00 2,750.00		2,200.94
08 33 23 13-0313	EA 24' x 17', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	64,091.80 675.00 1,100.00 2,750.00		2,258.16

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0314	EA		24' x 18', 3 Ply Fabric Panel, High-Speed Rolling Door (Rytec® Fast-Seal®)..... For NEMA 4X Control Box, Add For 2 Speed Motor, 60" Open, 30" Close, Add For AC Variable Speed Motor And Controls, Add	65,871.12 675.00 1,100.00 2,750.00	2,316.87
<b>08 33 23 13-0315</b>			<b>Rytec® Fast-Seal® Door Options</b> (08 33 23 13-0117)		
08 33 23 13-0316	LF		Strapped Windbar For Rytec® Fast-Seal® High-Speed Rolling Doors ..... Note: Multiply linear foot price x width of door.	47.74	
08 33 23 13-0317	EA		Up To 10' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	517.17	
08 33 23 13-0318	EA		>10' To 15' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	859.30	
08 33 23 13-0319	EA		>15' To 20' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,263.68	
08 33 23 13-0320	EA		>20' To 24' Wide Doors, Roll And Motor Hood For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,890.47	
08 33 23 13-0321	EA		One 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	302.35	
08 33 23 13-0322	EA		Two 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	596.74	
08 33 23 13-0323	EA		Three 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	755.87	
08 33 23 13-0324	EA		Four 17" x 17", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,193.48	
08 33 23 13-0325	EA		One 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Window With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	350.09	
08 33 23 13-0326	EA		Two 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	692.22	
08 33 23 13-0327	EA		Three 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	859.30	
08 33 23 13-0328	EA		Four 24" x 24", 2mm Thick, Replaceable Polyvinyl Chloride (PVC) Windows With Velcro For Rytec® Fast-Seal® High-Speed Rolling Doors .....	1,384.43	
08 33 23 13-0329	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 8' Or 10' ..... For 304 Stainless Steel, Add For 316 Stainless Steel, Add	768.05 122.89 537.64	
08 33 23 13-0330	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 12' Or 14' ..... For 304 Stainless Steel, Add For 316 Stainless Steel, Add	998.46 159.75 698.92	
08 33 23 13-0331	EA		Sloped Roll And Motor Cover For Interior Or Exterior Door Widths Of 16' Or 18' ..... For 304 Stainless Steel, Add For 316 Stainless Steel, Add	1,305.68 208.91 913.98	
08 33 23 13-0332	EA		Through Wall Brake Release .....	177.85	
08 33 23 13-0333	EA		Explosion Proof Upgrade Package: Control Box (including internal components), Motor, Rotary Limit Switch, Photo-eyes, Safety Bar, Push Buttons..... For NEMA 12 Control Box Mounted Outside Explosion Proof Area, Deduct	22,043.04 -6,200.00	
<b>08 33 23 13-0334</b>			<b>High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13) Note: Rytec® Powerhouse™. Door panel is styrene butadiene rubber (SBR) panel 1/4" thick, made of two 1/8" thick layers, 60 durometer; sandwiched with 1-ply, 110 lbs polyester cord center. Panel includes bonded SBR beveled segmented windlocks to allow the door panel to effectively release from the side frame in case of accidental impact. Vertical orange stripes for visual safety awareness. Side frames are structural columns consisting of 5 x 2 x 1/4" structural steel tubing, welded to a reinforced 0.22" thick steel 'Z' mounting bracket and 0.18" thick steel hinged cover. Drive system is a 480 volt, 3-phase variable speed AC Drive motor with brake and absolute encoder. Opens at up to 60" per second and closes at 21" per second.		
<b>08 33 23 13-0335</b>			<b>High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0334)		
<b>08 33 23 13-0336</b>			<b>8' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)		
08 33 23 13-0337	EA		8' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	29,959.22	1,230.76
08 33 23 13-0338	EA		8' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	30,231.75	1,265.63
08 33 23 13-0339	EA		8' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	30,705.37	1,300.50
08 33 23 13-0340	EA		8' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	31,178.98	1,335.37
08 33 23 13-0341	EA		8' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	31,654.32	1,370.25
08 33 23 13-0342	EA		8' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	32,127.93	1,405.12
08 33 23 13-0343	EA		8' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	32,398.76	1,439.98
08 33 23 13-0344	EA		8' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	32,879.23	1,477.43
08 33 23 13-0345	EA		8' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	33,763.81	1,515.84
08 33 23 13-0346	EA		8' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	34,045.42	1,555.26
08 33 23 13-0347	EA		8' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	34,732.95	1,595.70
<b>08 33 23 13-0348</b>			<b>9' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)		
08 33 23 13-0349	EA		9' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	30,231.75	1,265.63
08 33 23 13-0350	EA		9' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	30,502.57	1,300.50
08 33 23 13-0351	EA		9' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	30,977.90	1,335.37
08 33 23 13-0352	EA		9' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	31,654.32	1,370.25
08 33 23 13-0353	EA		9' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	31,925.14	1,405.12
08 33 23 13-0354	EA		9' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	32,398.76	1,439.98
08 33 23 13-0355	EA		9' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) .....	32,874.09	1,474.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23	13-0356	EA	9' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,359.93	1,515.84
08 33 23	13-0357	EA	9' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,449.29	1,555.26
08 33 23	13-0358	EA	9' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,542.41	1,595.70
08 33 23	13-0359	EA	9' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,635.93	1,637.19
<b>08 33 23</b>	<b>13-0360</b>		<b>10' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)		
08 33 23	13-0361	EA	10' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,715.91	1,300.50
08 33 23	13-0362	EA	10' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,988.44	1,335.37
08 33 23	13-0363	EA	10' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,462.06	1,370.25
08 33 23	13-0364	EA	10' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,138.47	1,405.12
08 33 23	13-0365	EA	10' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,612.10	1,439.98
08 33 23	13-0366	EA	10' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,087.43	1,474.86
08 33 23	13-0367	EA	10' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,561.04	1,509.73
08 33 23	13-0368	EA	10' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,257.24	1,554.49
08 33 23	13-0369	EA	10' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,145.81	1,594.91
08 33 23	13-0370	EA	10' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,442.08	1,636.38
08 33 23	13-0371	EA	10' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,539.44	1,678.92
<b>08 33 23</b>	<b>13-0372</b>		<b>11' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)		
08 33 23	13-0373	EA	11' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	31,785.65	1,335.37
08 33 23	13-0374	EA	11' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,259.27	1,370.25
08 33 23	13-0375	EA	11' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,734.60	1,405.12
08 33 23	13-0376	EA	11' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,411.02	1,439.98
08 33 23	13-0377	EA	11' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,884.63	1,474.86
08 33 23	13-0378	EA	11' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,358.24	1,509.73
08 33 23	13-0379	EA	11' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,440.24	1,544.61
08 33 23	13-0380	EA	11' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,748.75	1,593.03
08 33 23	13-0381	EA	11' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,044.94	1,634.46
08 33 23	13-0382	EA	11' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,343.25	1,676.96
08 33 23	13-0383	EA	11' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,440.99	1,720.56
<b>08 33 23</b>	<b>13-0384</b>		<b>12' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)		
08 33 23	13-0385	EA	12' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,058.19	1,370.25
08 33 23	13-0386	EA	12' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,531.80	1,405.12
08 33 23	13-0387	EA	12' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,005.43	1,439.98
08 33 23	13-0388	EA	12' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,681.84	1,474.86
08 33 23	13-0389	EA	12' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,358.24	1,509.73
08 33 23	13-0390	EA	12' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,641.32	1,544.61
08 33 23	13-0391	EA	12' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,924.41	1,579.47
08 33 23	13-0392	EA	12' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,241.98	1,631.60
08 33 23	13-0393	EA	12' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,741.23	1,674.03
08 33 23	13-0394	EA	12' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,041.63	1,717.53
08 33 23	13-0395	EA	12' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,344.28	1,762.20
<b>08 33 23</b>	<b>13-0396</b>		<b>13' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)		
08 33 23	13-0397	EA	13' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,531.80	1,405.12
08 33 23	13-0398	EA	13' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,804.35	1,439.98
08 33 23	13-0399	EA	13' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,277.96	1,474.86
08 33 23	13-0400	EA	13' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,157.17	1,509.73
08 33 23	13-0401	EA	13' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,641.32	1,544.61
08 33 23	13-0402	EA	13' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,127.20	1,579.47
08 33 23	13-0403	EA	13' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,410.28	1,614.34
08 33 23	13-0404	EA	13' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,936.54	1,670.27
08 33 23	13-0405	EA	13' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,439.51	1,713.69
08 33 23	13-0406	EA	13' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,943.04	1,758.25
08 33 23	13-0407	EA	13' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,247.81	1,803.96
<b>08 33 23</b>	<b>13-0408</b>		<b>14' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)		
08 33 23	13-0409	EA	14' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	32,804.35	1,439.98
08 33 23	13-0410	EA	14' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,075.17	1,474.86
08 33 23	13-0411	EA	14' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	33,751.58	1,509.73
08 33 23	13-0412	EA	14' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,034.65	1,544.61
08 33 23	13-0413	EA	14' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,924.41	1,579.47
08 33 23	13-0414	EA	14' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,410.28	1,614.34
08 33 23	13-0415	EA	14' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,097.24	1,649.22
08 33 23	13-0416	EA	14' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,630.90	1,708.85
08 33 23	13-0417	EA	14' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,135.89	1,753.29
08 33 23	13-0418	EA	14' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,641.48	1,798.86
08 33 23	13-0419	EA	14' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,353.94	1,845.63
<b>08 33 23</b>	<b>13-0420</b>		<b>15' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)</b> (08 33 23 13-0335)		

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 23 13-0421	EA	15' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,083.93	1,473.11
08 33 23 13-0422	EA	15' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,559.14	1,508.78
08 33 23 13-0423	EA	15' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,237.15	1,544.45
08 33 23 13-0424	EA	15' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,116.25	1,580.13
08 33 23 13-0425	EA	15' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,210.39	1,615.81
08 33 23 13-0426	EA	15' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,898.94	1,651.48
08 33 23 13-0427	EA	15' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,587.52	1,687.15
08 33 23 13-0428	EA	15' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,125.65	1,748.15
08 33 23 13-0429	EA	15' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,833.76	1,793.60
08 33 23 13-0430	EA	15' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,544.24	1,840.24
08 33 23 13-0431	EA	15' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,257.13	1,888.08

**08 33 23 13-0432 16' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)**

08 33 23 13-0433	EA	16' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,352.76	1,507.00
08 33 23 13-0434	EA	16' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,032.41	1,543.48
08 33 23 13-0435	EA	16' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,712.08	1,579.97
08 33 23 13-0436	EA	16' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,402.27	1,616.46
08 33 23 13-0437	EA	16' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,699.13	1,652.96
08 33 23 13-0438	EA	16' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,391.04	1,689.46
08 33 23 13-0439	EA	16' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,081.25	1,725.95
08 33 23 13-0440	EA	16' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,823.27	1,788.36
08 33 23 13-0441	EA	16' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,533.47	1,834.85
08 33 23 13-0442	EA	16' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,246.08	1,882.57
08 33 23 13-0443	EA	16' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,163.99	1,931.51

**08 33 23 13-0444 17' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)**

08 33 23 13-0445	EA	17' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	34,827.66	1,541.65
08 33 23 13-0446	EA	17' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,306.21	1,578.99
08 33 23 13-0447	EA	17' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,998.09	1,616.31
08 33 23 13-0448	EA	17' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,689.95	1,653.65
08 33 23 13-0449	EA	17' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,988.50	1,690.98
08 33 23 13-0450	EA	17' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,883.17	1,728.32
08 33 23 13-0451	EA	17' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,575.06	1,765.65
08 33 23 13-0452	EA	17' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,522.75	1,829.50
08 33 23 13-0453	EA	17' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,235.07	1,877.06
08 33 23 13-0454	EA	17' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,152.69	1,925.86
08 33 23 13-0455	EA	17' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,072.84	1,975.94

**08 33 23 13-0456 18' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)**

08 33 23 13-0457	EA	18' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,302.46	1,577.11
08 33 23 13-0458	EA	18' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	35,782.72	1,615.30
08 33 23 13-0459	EA	18' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,082.98	1,653.49
08 33 23 13-0460	EA	18' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,979.37	1,691.68
08 33 23 13-0461	EA	18' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,279.64	1,729.87
08 33 23 13-0462	EA	18' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	44,176.01	1,768.07
08 33 23 13-0463	EA	18' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	46,275.20	1,806.26
08 33 23 13-0464	EA	18' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	48,224.11	1,871.57
08 33 23 13-0465	EA	18' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	50,141.43	1,920.23
08 33 23 13-0466	EA	18' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	52,061.28	1,970.15
08 33 23 13-0467	EA	18' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,983.74	2,021.39

**08 33 23 13-0468 19' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)**

08 33 23 13-0469	EA	19' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,182.75	1,613.38
08 33 23 13-0470	EA	19' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	36,867.56	1,652.46
08 33 23 13-0471	EA	19' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	39,372.37	1,691.52
08 33 23 13-0472	EA	19' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	41,270.52	1,730.59
08 33 23 13-0473	EA	19' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	43,775.33	1,769.66
08 33 23 13-0474	EA	19' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,673.49	1,808.73
08 33 23 13-0475	EA	19' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,772.71	1,847.80
08 33 23 13-0476	EA	19' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,726.33	1,914.63
08 33 23 13-0477	EA	19' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,846.98	1,964.40
08 33 23 13-0478	EA	19' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	53,769.11	2,015.48
08 33 23 13-0479	EA	19' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	55,896.73	2,067.88

**08 33 23 13-0480 20' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)**

08 33 23 13-0481	EA	20' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	37,470.31	1,650.49
08 33 23 13-0482	EA	20' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	38,156.92	1,690.46
08 33 23 13-0483	EA	20' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	40,460.73	1,730.43
08 33 23 13-0484	EA	20' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	42,563.47	1,770.39
08 33 23 13-0485	EA	20' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	45,070.06	1,810.37
08 33 23 13-0486	EA	20' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	47,171.09	1,850.33
08 33 23 13-0487	EA	20' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	49,273.82	1,890.31
08 33 23 13-0488	EA	20' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™)	51,431.62	1,958.66



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0489	EA		20' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,556.25	2,009.59
08 33 23 13-0490	EA		20' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,681.84	2,061.82
08 33 23 13-0491	EA		20' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,810.14	2,115.44
<b>08 33 23 13-0492 21' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23 13-0493	EA		21' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	37,749.02	1,688.45
08 33 23 13-0494	EA		21' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,650.81	1,729.33
08 33 23 13-0495	EA		21' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,552.59	1,770.23
08 33 23 13-0496	EA		21' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,858.24	1,811.11
08 33 23 13-0497	EA		21' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,366.69	1,852.01
08 33 23 13-0498	EA		21' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	48,672.35	1,892.89
08 33 23 13-0499	EA		21' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,775.21	1,933.78
08 33 23 13-0500	EA		21' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,138.92	2,003.70
08 33 23 13-0501	EA		21' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,265.90	2,055.81
08 33 23 13-0502	EA		21' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	57,393.89	2,109.25
08 33 23 13-0503	EA		21' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	59,727.45	2,164.08
<b>08 33 23 13-0504 22' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23 13-0505	EA		22' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	38,230.57	1,727.29
08 33 23 13-0506	EA		22' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,931.43	1,769.12
08 33 23 13-0507	EA		22' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,847.36	1,810.94
08 33 23 13-0508	EA		22' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,154.88	1,852.77
08 33 23 13-0509	EA		22' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,866.29	1,894.60
08 33 23 13-0510	EA		22' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,173.82	1,936.43
08 33 23 13-0511	EA		22' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	52,280.29	1,978.25
08 33 23 13-0512	EA		22' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	54,647.21	2,049.79
08 33 23 13-0513	EA		22' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	56,977.68	2,103.08
08 33 23 13-0514	EA		22' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	59,310.91	2,157.77
08 33 23 13-0515	EA		22' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	61,646.99	2,213.86
<b>08 33 23 13-0516 23' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23 13-0517	EA		23' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	39,726.15	1,767.01
08 33 23 13-0518	EA		23' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,226.14	1,809.80
08 33 23 13-0519	EA		23' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	43,941.20	1,852.59
08 33 23 13-0520	EA		23' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	46,453.44	1,895.38
08 33 23 13-0521	EA		23' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	49,166.79	1,938.17
08 33 23 13-0522	EA		23' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	51,476.23	1,980.96
08 33 23 13-0523	EA		23' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	53,988.49	2,023.77
08 33 23 13-0524	EA		23' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	56,358.72	2,096.93
08 33 23 13-0525	EA		23' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,691.64	2,151.44
08 33 23 13-0526	EA		23' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	61,230.18	2,207.40
08 33 23 13-0527	EA		23' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	63,568.84	2,264.79
<b>08 33 23 13-0528 24' Wide, High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™) (08 33 23 13-0335)</b>					
08 33 23 13-0529	EA		24' x 8', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	41,020.77	1,807.65
08 33 23 13-0530	EA		24' x 9', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	42,118.86	1,851.43
08 33 23 13-0531	EA		24' x 10', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	45,239.74	1,895.20
08 33 23 13-0532	EA		24' x 11', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	47,551.17	1,938.98
08 33 23 13-0533	EA		24' x 12', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	50,469.26	1,982.75
08 33 23 13-0534	EA		24' x 13', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	52,983.49	2,026.53
08 33 23 13-0535	EA		24' x 14', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	55,496.00	2,070.30
08 33 23 13-0536	EA		24' x 15', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	58,072.39	2,145.16
08 33 23 13-0537	EA		24' x 16', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	60,407.81	2,200.94
08 33 23 13-0538	EA		24' x 17', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	62,948.94	2,258.15
08 33 23 13-0539	EA		24' x 18', High Performance Rubber, High-Speed Rolling Door (Rytec® Powerhouse™).....	65,493.03	2,316.88
<b>08 33 23 13-0540 Rytec® Powerhouse™ Door Options (08 33 23 13-0334)</b>					
08 33 23 13-0541	EA		Up To 8' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,629.47	
08 33 23 13-0542	EA		9' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,681.03	
08 33 23 13-0543	EA		10' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,732.58	
08 33 23 13-0544	EA		11' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,784.14	
08 33 23 13-0545	EA		12' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,835.70	
08 33 23 13-0546	EA		13' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,887.26	
08 33 23 13-0547	EA		14' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,938.82	
08 33 23 13-0548	EA		15' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	2,990.37	
08 33 23 13-0549	EA		16' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,041.93	
08 33 23 13-0550	EA		17' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,093.49	
08 33 23 13-0551	EA		18' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,145.05	
08 33 23 13-0552	EA		19' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,196.61	
08 33 23 13-0553	EA		20' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,248.17	
08 33 23 13-0554	EA		21' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,299.72	
08 33 23 13-0555	EA		22' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,351.28	
08 33 23 13-0556	EA		23' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,402.84	
08 33 23 13-0557	EA		24' Wide Doors, Sloped Roll And Motor Hood For Rytec® Powerhouse™ High-Speed Rolling Doors.....	3,454.40	

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 33 23 13-0558	EA	11" x 20" Window For Rytec® Powerhouse™ High-Speed Rolling Doors.....	601.51	
08 33 23 13-0559	EA	208-230 Volt Application For Rytec® Powerhouse™ Door.....	1,478.00	

Note: Includes System 4 Controller In NEMA 4 Enclosure

**08 33 23 13-0560 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)** (08 33 23 13)  
 Note: Door panels are double-walled aluminum slats that are 6" high x 1-3/16" thick. Width is variable. Side frames are galvanized steel with full height weather seal on both sides. There are extension springs in each column for counterbalance. The drive system is a 2 HP, 208,230/460 Volt, three-phase motor with variable speed AC drive. Opening and closing speeds up to 60" per second.

**08 33 23 13-0561 Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral®)** (08 33 23 13-0560)

**08 33 23 13-0562 8' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0563	EA	8' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	32,363.06	1,641.01
08 33 23 13-0564	EA	8' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,293.71	1,675.88
08 33 23 13-0565	EA	8' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,224.33	1,710.76
08 33 23 13-0566	EA	8' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,156.57	1,745.62
08 33 23 13-0567	EA	8' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,087.20	1,780.50
08 33 23 13-0568	EA	8' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,017.85	1,815.37
08 33 23 13-0569	EA	8' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,668.68	1,850.24
08 33 23 13-0570	EA	8' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,595.63	1,887.25
08 33 23 13-0571	EA	8' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,523.55	1,924.98
08 33 23 13-0572	EA	8' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,452.97	1,963.48
08 33 23 13-0573	EA	8' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,383.94	2,002.76

**08 33 23 13-0574 9' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0575	EA	9' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	33,293.71	1,675.88
08 33 23 13-0576	EA	9' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,224.33	1,710.76
08 33 23 13-0577	EA	9' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,156.57	1,745.62
08 33 23 13-0578	EA	9' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,087.20	1,780.50
08 33 23 13-0579	EA	9' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,017.85	1,815.37
08 33 23 13-0580	EA	9' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,948.48	1,850.24
08 33 23 13-0581	EA	9' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,595.63	1,885.11
08 33 23 13-0582	EA	9' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,513.59	1,922.82
08 33 23 13-0583	EA	9' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,458.85	1,961.27
08 33 23 13-0584	EA	9' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,389.72	2,000.50
08 33 23 13-0585	EA	9' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,322.18	2,040.50

**08 33 23 13-0586 10' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0587	EA	10' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	34,224.33	1,710.76
08 33 23 13-0588	EA	10' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,156.57	1,745.62
08 33 23 13-0589	EA	10' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,087.20	1,780.50
08 33 23 13-0590	EA	10' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,017.85	1,815.37
08 33 23 13-0591	EA	10' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,948.48	1,850.24
08 33 23 13-0592	EA	10' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,879.12	1,885.11
08 33 23 13-0593	EA	10' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,529.95	1,919.98
08 33 23 13-0594	EA	10' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,459.94	1,958.39
08 33 23 13-0595	EA	10' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,390.70	1,997.55
08 33 23 13-0596	EA	10' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,323.04	2,037.50
08 33 23 13-0597	EA	10' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,256.97	2,078.25

**08 33 23 13-0598 11' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0599	EA	11' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	35,156.57	1,745.62
08 33 23 13-0600	EA	11' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,087.20	1,780.50
08 33 23 13-0601	EA	11' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,017.85	1,815.37
08 33 23 13-0602	EA	11' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,948.48	1,850.24
08 33 23 13-0603	EA	11' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,879.12	1,885.11
08 33 23 13-0604	EA	11' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,809.75	1,919.98
08 33 23 13-0605	EA	11' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,459.00	1,954.86
08 33 23 13-0606	EA	11' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,392.10	1,993.96
08 33 23 13-0607	EA	11' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,324.28	2,033.83
08 33 23 13-0608	EA	11' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,258.07	2,074.51
08 33 23 13-0609	EA	11' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,193.48	2,116.00

**08 33 23 13-0610 12' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)** (08 33 23 13-0561)

08 33 23 13-0611	EA	12' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	36,087.20	1,780.50
08 33 23 13-0612	EA	12' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,017.85	1,815.37
08 33 23 13-0613	EA	12' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,948.48	1,850.24
08 33 23 13-0614	EA	12' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,879.12	1,885.11
08 33 23 13-0615	EA	12' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,809.75	1,919.98
08 33 23 13-0616	EA	12' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,740.39	1,954.86
08 33 23 13-0617	EA	12' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,391.23	1,989.73
08 33 23 13-0618	EA	12' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,324.26	2,029.53
08 33 23 13-0619	EA	12' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,257.87	2,070.11



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 23 13-0620	EA		12' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,193.11	2,111.52
08 33 23 13-0621	EA		12' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,131.72	2,153.74
<b>08 33 23 13-0622</b>			<b>13' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <i>(08 33 23 13-0561)</i>		
08 33 23 13-0623	EA		13' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,017.85	1,815.37
08 33 23 13-0624	EA		13' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	37,948.48	1,850.24
08 33 23 13-0625	EA		13' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	38,879.12	1,885.11
08 33 23 13-0626	EA		13' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,809.75	1,919.98
08 33 23 13-0627	EA		13' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,740.39	1,954.86
08 33 23 13-0628	EA		13' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,671.03	1,989.73
08 33 23 13-0629	EA		13' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,321.87	2,024.59
08 33 23 13-0630	EA		13' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,256.43	2,065.09
08 33 23 13-0631	EA		13' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,191.45	2,106.38
08 33 23 13-0632	EA		13' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,128.14	2,148.52
08 33 23 13-0633	EA		13' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,066.50	2,191.49
<b>08 33 23 13-0634</b>			<b>14' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <i>(08 33 23 13-0561)</i>		
08 33 23 13-0635	EA		14' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	39,668.68	1,850.24
08 33 23 13-0636	EA		14' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,599.31	1,885.11
08 33 23 13-0637	EA		14' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,529.95	1,919.98
08 33 23 13-0638	EA		14' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,459.00	1,954.86
08 33 23 13-0639	EA		14' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,391.23	1,989.73
08 33 23 13-0640	EA		14' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,321.87	2,024.59
08 33 23 13-0641	EA		14' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,244.55	2,059.47
08 33 23 13-0642	EA		14' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,179.99	2,100.66
08 33 23 13-0643	EA		14' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,116.44	2,142.67
08 33 23 13-0644	EA		14' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,054.58	2,185.53
08 33 23 13-0645	EA		14' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,994.44	2,229.23
<b>08 33 23 13-0646</b>			<b>15' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <i>(08 33 23 13-0561)</i>		
08 33 23 13-0647	EA		15' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	40,595.63	1,887.25
08 33 23 13-0648	EA		15' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,529.51	1,922.82
08 33 23 13-0649	EA		15' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,459.94	1,958.39
08 33 23 13-0650	EA		15' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,392.10	1,993.96
08 33 23 13-0651	EA		15' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,324.26	2,029.53
08 33 23 13-0652	EA		15' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,256.43	2,065.09
08 33 23 13-0653	EA		15' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,179.99	2,100.66
08 33 23 13-0654	EA		15' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,116.44	2,142.67
08 33 23 13-0655	EA		15' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,054.58	2,185.53
08 33 23 13-0656	EA		15' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,994.44	2,229.23
08 33 23 13-0657	EA		15' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,936.03	2,273.83
<b>08 33 23 13-0658</b>			<b>16' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <i>(08 33 23 13-0561)</i>		
08 33 23 13-0659	EA		16' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	41,523.55	1,924.98
08 33 23 13-0660	EA		16' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,458.85	1,961.27
08 33 23 13-0661	EA		16' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,390.70	1,997.55
08 33 23 13-0662	EA		16' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,324.28	2,033.83
08 33 23 13-0663	EA		16' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,257.87	2,070.11
08 33 23 13-0664	EA		16' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,191.45	2,106.38
08 33 23 13-0665	EA		16' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,116.44	2,142.67
08 33 23 13-0666	EA		16' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,054.58	2,185.53
08 33 23 13-0667	EA		16' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,994.44	2,229.23
08 33 23 13-0668	EA		16' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,936.03	2,273.83
08 33 23 13-0669	EA		16' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,881.13	2,319.30
<b>08 33 23 13-0670</b>			<b>17' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <i>(08 33 23 13-0561)</i>		
08 33 23 13-0671	EA		17' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	42,452.97	1,963.48
08 33 23 13-0672	EA		17' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,389.72	2,000.50
08 33 23 13-0673	EA		17' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	44,323.04	2,037.50
08 33 23 13-0674	EA		17' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	45,258.07	2,074.51
08 33 23 13-0675	EA		17' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	46,193.11	2,111.52
08 33 23 13-0676	EA		17' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	47,128.14	2,148.52
08 33 23 13-0677	EA		17' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,054.58	2,185.53
08 33 23 13-0678	EA		17' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	48,994.44	2,229.23
08 33 23 13-0679	EA		17' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	49,936.03	2,273.83
08 33 23 13-0680	EA		17' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	50,881.13	2,319.30
08 33 23 13-0681	EA		17' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	51,826.32	2,365.68
<b>08 33 23 13-0682</b>			<b>18' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <i>(08 33 23 13-0561)</i>		
08 33 23 13-0683	EA		18' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®).....	43,574.71	2,002.76

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 33 Coiling Doors and Grilles**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 33 23 13-0684	EA	18' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,511.23		2,040.50
08 33 23 13-0685	EA	18' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,447.73		2,078.25
08 33 23 13-0686	EA	18' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,382.52		2,116.00
08 33 23 13-0687	EA	18' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,320.77		2,153.74
08 33 23 13-0688	EA	18' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,255.55		2,191.49
08 33 23 13-0689	EA	18' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,185.21		2,229.23
08 33 23 13-0690	EA	18' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,126.79		2,273.83
08 33 23 13-0691	EA	18' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,070.17		2,319.30
08 33 23 13-0692	EA	18' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,015.37		2,365.68
08 33 23 13-0693	EA	18' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,962.44		2,413.00
<b>08 33 23 13-0694</b>		<b>19' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>			
08 33 23 13-0695	EA	19' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	44,790.81		2,042.82
08 33 23 13-0696	EA	19' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	45,730.56		2,081.32
08 33 23 13-0697	EA	19' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,666.86		2,119.82
08 33 23 13-0698	EA	19' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,604.89		2,158.31
08 33 23 13-0699	EA	19' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,542.91		2,196.83
08 33 23 13-0700	EA	19' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,480.93		2,235.32
08 33 23 13-0701	EA	19' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,410.36		2,273.83
08 33 23 13-0702	EA	19' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,353.74		2,319.30
08 33 23 13-0703	EA	19' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,298.94		2,365.68
08 33 23 13-0704	EA	19' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,246.01		2,413.00
08 33 23 13-0705	EA	19' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,196.67		2,461.26
<b>08 33 23 13-0706</b>		<b>20' Wide, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)</b> <small>(08 33 23 13-0561)</small>			
08 33 23 13-0707	EA	20' x 8', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	46,293.27		2,084.09
08 33 23 13-0708	EA	20' x 9', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	47,235.33		2,122.38
08 33 23 13-0709	EA	20' x 10', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	48,172.59		2,162.03
08 33 23 13-0710	EA	20' x 11', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	49,112.92		2,201.69
08 33 23 13-0711	EA	20' x 12', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,051.89		2,241.35
08 33 23 13-0712	EA	20' x 13', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	50,990.86		2,279.63
08 33 23 13-0713	EA	20' x 14', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	51,922.60		2,319.30
08 33 23 13-0714	EA	20' x 15', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	52,868.02		2,365.79
08 33 23 13-0715	EA	20' x 16', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	53,814.81		2,413.65
08 33 23 13-0716	EA	20' x 17', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	54,764.34		2,461.52
08 33 23 13-0717	EA	20' x 18', Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral®)	55,715.23		2,510.74
<b>08 33 23 13-0718</b>		<b>Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0560)</small>			
<b>08 33 23 13-0719</b>		<b>8' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>			
08 33 23 13-0720	EA	8' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	32,314.54		1,094.01
08 33 23 13-0721	EA	8' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,024.61		1,117.25
08 33 23 13-0722	EA	8' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,734.69		1,140.50
08 33 23 13-0723	EA	8' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,441.57		1,163.75
08 33 23 13-0724	EA	8' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,151.64		1,187.00
08 33 23 13-0725	EA	8' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,861.70		1,210.25
08 33 23 13-0726	EA	8' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,571.76		1,233.49
<b>08 33 23 13-0727</b>		<b>9' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>			
08 33 23 13-0728	EA	9' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,024.61		1,117.25
08 33 23 13-0729	EA	9' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,734.69		1,140.50
08 33 23 13-0730	EA	9' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,441.57		1,163.75
08 33 23 13-0731	EA	9' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,151.64		1,187.00
08 33 23 13-0732	EA	9' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,861.70		1,210.25
08 33 23 13-0733	EA	9' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,571.76		1,233.49
08 33 23 13-0734	EA	9' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,281.85		1,256.74
<b>08 33 23 13-0735</b>		<b>10' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>			
08 33 23 13-0736	EA	10' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	33,734.69		1,140.50
08 33 23 13-0737	EA	10' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,441.57		1,163.75
08 33 23 13-0738	EA	10' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,151.64		1,187.00
08 33 23 13-0739	EA	10' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,861.70		1,210.25
08 33 23 13-0740	EA	10' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	36,571.76		1,233.49
08 33 23 13-0741	EA	10' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	37,281.85		1,256.74
08 33 23 13-0742	EA	10' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	38,000.00		1,279.98
<b>08 33 23 13-0743</b>		<b>11' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®)</b> <small>(08 33 23 13-0718)</small>			
08 33 23 13-0744	EA	11' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	34,441.57		1,163.75
08 33 23 13-0745	EA	11' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,151.64		1,187.00
08 33 23 13-0746	EA	11' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®)	35,861.70		1,210.25

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	08 33 23	13-0747	EA	11' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,571.76	1,233.49
	08 33 23	13-0748	EA	11' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,281.85	1,256.74
	08 33 23	13-0749	EA	11' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,991.91	1,279.98
	08 33 23	13-0750	EA	11' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	45,331.34	1,303.24
<b>08 33 23</b>	<b>13-0751</b>			<b>12' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
	08 33 23	13-0752	EA	12' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	35,151.64	1,187.00
	08 33 23	13-0753	EA	12' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	35,861.70	1,210.25
	08 33 23	13-0754	EA	12' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,571.76	1,233.49
	08 33 23	13-0755	EA	12' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,281.85	1,256.74
	08 33 23	13-0756	EA	12' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,991.91	1,279.98
	08 33 23	13-0757	EA	12' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,701.97	1,303.24
	08 33 23	13-0758	EA	12' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	46,041.41	1,326.49
<b>08 33 23</b>	<b>13-0759</b>			<b>13' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
	08 33 23	13-0760	EA	13' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	35,861.70	1,210.25
	08 33 23	13-0761	EA	13' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	36,571.76	1,233.49
	08 33 23	13-0762	EA	13' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,281.85	1,256.74
	08 33 23	13-0763	EA	13' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	37,991.91	1,279.98
	08 33 23	13-0764	EA	13' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	38,701.97	1,303.24
	08 33 23	13-0765	EA	13' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	39,412.05	1,326.49
	08 33 23	13-0766	EA	13' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	46,751.47	1,349.73
<b>08 33 23</b>	<b>13-0767</b>			<b>14' Wide, Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral LH®) (08 33 23 13-0718)</b>		
	08 33 23	13-0768	EA	14' x 8', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	43,204.31	1,233.49
	08 33 23	13-0769	EA	14' x 9', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	43,914.39	1,256.74
	08 33 23	13-0770	EA	14' x 10', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	44,624.46	1,279.98
	08 33 23	13-0771	EA	14' x 11', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	45,331.34	1,303.24
	08 33 23	13-0772	EA	14' x 12', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	46,041.41	1,326.49
	08 33 23	13-0773	EA	14' x 13', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	46,751.47	1,349.73
	08 33 23	13-0774	EA	14' x 14', Low-Headroom, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral LH®).....	47,461.55	1,372.98
<b>08 33 23</b>	<b>13-0775</b>			<b>Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0560)</b>		
<b>08 33 23</b>	<b>13-0776</b>			<b>8' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
	08 33 23	13-0777	EA	8' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,040.57	1,094.01
	08 33 23	13-0778	EA	8' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,750.64	1,117.25
	08 33 23	13-0779	EA	8' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,460.71	1,140.50
	08 33 23	13-0780	EA	8' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,169.19	1,163.75
	08 33 23	13-0781	EA	8' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,879.26	1,187.00
	08 33 23	13-0782	EA	8' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,575.43	1,204.09
	08 33 23	13-0783	EA	8' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	38,388.69	1,210.25
<b>08 33 23</b>	<b>13-0784</b>			<b>9' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
	08 33 23	13-0785	EA	9' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	30,750.64	1,117.25
	08 33 23	13-0786	EA	9' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,460.71	1,140.50
	08 33 23	13-0787	EA	9' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,169.19	1,163.75
	08 33 23	13-0788	EA	9' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,879.26	1,187.00
	08 33 23	13-0789	EA	9' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,587.73	1,210.25
	08 33 23	13-0790	EA	9' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,280.01	1,224.61
	08 33 23	13-0791	EA	9' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	36,714.98	1,233.49
<b>08 33 23</b>	<b>13-0792</b>			<b>10' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
	08 33 23	13-0793	EA	10' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	31,460.71	1,140.50
	08 33 23	13-0794	EA	10' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,169.19	1,163.75
	08 33 23	13-0795	EA	10' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,879.26	1,187.00
	08 33 23	13-0796	EA	10' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,587.73	1,210.25
	08 33 23	13-0797	EA	10' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,280.01	1,233.49
	08 33 23	13-0798	EA	10' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,995.56	1,250.59
	08 33 23	13-0799	EA	10' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	37,622.39	1,256.74
<b>08 33 23</b>	<b>13-0800</b>			<b>11' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
	08 33 23	13-0801	EA	11' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,169.19	1,163.75
	08 33 23	13-0802	EA	11' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	32,879.26	1,187.00
	08 33 23	13-0803	EA	11' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	33,587.73	1,210.25
	08 33 23	13-0804	EA	11' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	34,297.79	1,233.49
	08 33 23	13-0805	EA	11' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®).....	35,007.88	1,256.74

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 33 23 13-0806	EA	11' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,705.62	1,273.83
08 33 23 13-0807	EA	11' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,529.77	1,279.98
<b>08 33 23 13-0808</b>		<b>12' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0809	EA	12' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	32,879.26	1,187.00
08 33 23 13-0810	EA	12' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,587.73	1,210.25
08 33 23 13-0811	EA	12' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,297.79	1,233.49
08 33 23 13-0812	EA	12' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,007.88	1,256.74
08 33 23 13-0813	EA	12' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,717.94	1,279.98
08 33 23 13-0814	EA	12' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,412.96	1,295.72
08 33 23 13-0815	EA	12' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,437.15	1,303.24
<b>08 33 23 13-0816</b>		<b>13' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0817	EA	13' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	33,587.73	1,210.25
08 33 23 13-0818	EA	13' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	34,297.79	1,233.49
08 33 23 13-0819	EA	13' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,007.88	1,256.74
08 33 23 13-0820	EA	13' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	35,717.94	1,279.98
08 33 23 13-0821	EA	13' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	36,428.00	1,303.24
08 33 23 13-0822	EA	13' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	37,124.41	1,319.65
08 33 23 13-0823	EA	13' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,344.55	1,326.49
<b>08 33 23 13-0824</b>		<b>14' Wide, Full Vision, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral FV®) (08 33 23 13-0775)</b>		
08 33 23 13-0825	EA	14' x 8', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	38,435.18	1,233.49
08 33 23 13-0826	EA	14' x 9', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	39,342.58	1,256.74
08 33 23 13-0827	EA	14' x 10', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	40,249.97	1,279.98
08 33 23 13-0828	EA	14' x 11', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	41,155.76	1,303.24
08 33 23 13-0829	EA	14' x 12', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,064.75	1,326.49
08 33 23 13-0830	EA	14' x 12' 9", Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,959.82	1,343.58
08 33 23 13-0831	EA	14' x 13', Full Vision, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral FV®)	42,972.13	1,349.73
<b>08 33 23 13-0832</b>		<b>Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0560)</b>		
<b>08 33 23 13-0833</b>		<b>8' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0834	EA	8' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	40,145.15	1,094.01
08 33 23 13-0835	EA	8' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	41,045.79	1,117.25
08 33 23 13-0836	EA	8' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	41,944.72	1,140.50
08 33 23 13-0837	EA	8' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	43,316.26	1,163.75
08 33 23 13-0838	EA	8' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,689.52	1,187.00
08 33 23 13-0839	EA	8' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,062.77	1,210.25
08 33 23 13-0840	EA	8' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,436.03	1,233.49
<b>08 33 23 13-0841</b>		<b>9' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0842	EA	9' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	41,045.79	1,117.25
08 33 23 13-0843	EA	9' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	41,944.72	1,140.50
08 33 23 13-0844	EA	9' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	42,843.64	1,163.75
08 33 23 13-0845	EA	9' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,216.90	1,187.00
08 33 23 13-0846	EA	9' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,588.44	1,210.25
08 33 23 13-0847	EA	9' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,961.69	1,233.49
08 33 23 13-0848	EA	9' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,343.56	1,256.74
<b>08 33 23 13-0849</b>		<b>10' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0850	EA	10' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	41,944.72	1,140.50
08 33 23 13-0851	EA	10' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	42,843.64	1,163.75
08 33 23 13-0852	EA	10' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	43,742.57	1,187.00
08 33 23 13-0853	EA	10' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	45,115.82	1,210.25
08 33 23 13-0854	EA	10' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,487.36	1,233.49
08 33 23 13-0855	EA	10' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,860.63	1,256.74
08 33 23 13-0856	EA	10' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	49,251.07	1,279.98
<b>08 33 23 13-0857</b>		<b>11' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®) (08 33 23 13-0832)</b>		
08 33 23 13-0858	EA	11' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	42,843.64	1,163.75
08 33 23 13-0859	EA	11' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	43,742.57	1,187.00
08 33 23 13-0860	EA	11' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	44,641.49	1,210.25
08 33 23 13-0861	EA	11' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	46,014.74	1,233.49
08 33 23 13-0862	EA	11' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	47,388.02	1,256.74
08 33 23 13-0863	EA	11' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	48,759.55	1,279.98
08 33 23 13-0864	EA	11' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®)	50,156.87	1,303.24



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 33 23 13-0865</b>	<b>12' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0832)</small>		
08 33 23 13-0866	EA 12' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	43,742.57	1,187.00
08 33 23 13-0867	EA 12' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,641.49	1,210.25
08 33 23 13-0868	EA 12' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,540.41	1,233.49
08 33 23 13-0869	EA 12' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,913.68	1,256.74
08 33 23 13-0870	EA 12' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,286.93	1,279.98
08 33 23 13-0871	EA 12' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,658.47	1,303.24
08 33 23 13-0872	EA 12' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,066.11	1,326.49

<b>08 33 23 13-0873</b>	<b>13' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0832)</small>		
08 33 23 13-0874	EA 13' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	44,641.49	1,210.25
08 33 23 13-0875	EA 13' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,540.41	1,233.49
08 33 23 13-0876	EA 13' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,439.34	1,256.74
08 33 23 13-0877	EA 13' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,812.60	1,279.98
08 33 23 13-0878	EA 13' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	49,185.85	1,303.24
08 33 23 13-0879	EA 13' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,559.12	1,326.49
08 33 23 13-0880	EA 13' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,973.62	1,349.73

<b>08 33 23 13-0881</b>	<b>14' Wide, Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Doors (Rytec® Spiral SST-HZ®)</b> <small>(08 33 23 13-0832)</small>		
08 33 23 13-0882	EA 14' x 8', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	45,540.41	1,233.49
08 33 23 13-0883	EA 14' x 9', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	46,439.34	1,256.74
08 33 23 13-0884	EA 14' x 10', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	47,338.26	1,279.98
08 33 23 13-0885	EA 14' x 11', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	48,711.52	1,303.24
08 33 23 13-0886	EA 14' x 12', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	50,084.78	1,326.49
08 33 23 13-0887	EA 14' x 13', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	51,458.04	1,349.73
08 33 23 13-0888	EA 14' x 14', Hurricane Zone, Aluminum Rigid Panels, High-Speed Rolling Door (Rytec® Spiral SST-HZ®).....	52,872.55	1,372.98

<b>08 33 23 13-0889</b>	<b>Rytec® Spiral® Door Options</b> <small>(08 33 23 13-0560)</small>		
08 33 23 13-0890	EA Insulated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	517.17	
	Note: Per door price.		
08 33 23 13-0891	EA Up To 13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	350.09	
	Note: Maximum of 4 per door.		
08 33 23 13-0892	EA >13' Wide Doors, Width Of Door, Ventilated Slats For Rytec® Spiral® High-Speed Rolling Doors.....	517.17	
	Note: Maximum of 4 per door.		
08 33 23 13-0893	EA Up To 13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	350.09	
	Note: Maximum of 4 per door.		
08 33 23 13-0894	EA >13' Wide Doors, 6" High x Width Of Door, Window Slats For Rytec® Spiral® High-Speed Rolling Doors.....	517.17	
	Note: Maximum of 4 per door.		
08 33 23 13-0895	EA Right Hand Motor Mount For Rytec® Spiral® High-Speed Rolling Doors.....	996.05	68.38
08 33 23 13-0896	EA Up To 13' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	2,851.42	136.75
08 33 23 13-0897	EA >13' To 16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	5,087.20	136.75
08 33 23 13-0898	EA >16' Wide Doors, Full Hood For Rytec® Spiral® High-Speed Rolling Doors.....	5,779.41	136.75
08 33 23 13-0899	EA Through Wall Brake Release For Rytec® Spiral® High-Speed Rolling Doors.....	601.51	

<b>08 33 23 13-0900</b>	<b>Activation And Control Box Options For High Speed Doors</b> <small>(08 33 23 13)</small>		
08 33 23 13-0901	EA Pull Cord For High-Speed Rolling Doors.....	264.05	68.38
08 33 23 13-0902	EA Emergency Stop, Pushbutton Control For High-Speed Rolling Doors.....	195.68	34.19
08 33 23 13-0903	EA NEMA 4 Mushroom Remote Pushbutton Control For High-Speed Rolling Doors.....	243.42	34.19
08 33 23 13-0904	EA On/Off Selector Switch, Remote Control For High-Speed Rolling Doors.....	171.81	34.19
08 33 23 13-0905	EA On/Off Key Switch, Remote Control For High-Speed Rolling Doors.....	259.34	34.19
08 33 23 13-0906	EA Keyed Remote Single Pushbutton Control For High-Speed Rolling Doors.....	418.47	34.19
08 33 23 13-0907	EA Open/Close/Stop, Remote Pushbutton Control For High-Speed Rolling Doors.....	458.25	34.19
08 33 23 13-0908	EA Radio Control For High-Speed Rolling Doors.....	722.30	61.54
	Note: Includes one receiver and two transmitters.		
08 33 23 13-0909	EA Floor Loop For High-Speed Rolling Doors.....	995.80	
	Note: Excludes sealant.		
08 33 23 13-0910	EA Reflective Type Photo Eye For High-Speed Rolling Doors.....	626.36	61.54
08 33 23 13-0911	EA Thru-Beam Type Photo Eye For High-Speed Rolling Doors.....	809.82	61.54
08 33 23 13-0912	EA Motion Detector For High-Speed Rolling Doors.....	686.74	41.03
08 33 23 13-0913	EA Remote Warning Horn For High-Speed Rolling Doors.....	486.84	68.38
	Note: Includes wall box and mounting hardware.		
08 33 23 13-0914	EA Remote Strobe Light For High-Speed Rolling Doors.....	653.92	68.38
	Note: Includes wall box and mounting hardware.		
08 33 23 13-0915	EA Remote Warning Horn And Strobe Light For High-Speed Rolling Doors.....	741.44	68.38
	Note: Includes wall box and mounting hardware.		
08 33 23 13-0916	EA Red And Green Red Light For High-Speed Rolling Doors.....	916.49	68.38
	Note: Includes mounting hardware.		

**08 33 26 Overhead Coiling Grilles** (08 33)  
 Note: Includes curtains, guides, counterbalance mechanisms, hardware, operators, frame, supports and/or trim as required.  
 Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0833 for forklift.

<b>08 33 26 00-001</b>	<b>Galvanized Steel Overhead Coiling Grilles (Width x Height)</b> <small>(08 33 26)</small>		
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**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 26 00-0002	EA	4' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,389.17	385.02
		<i>For Lexan Lattice Pattern, Add</i>	193.50	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	200.54	
		<i>For Staggered Brick Pattern, Add</i>	271.46	
08 33 26 00-0003	EA	6' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,619.34	385.02
		<i>For Lexan Lattice Pattern, Add</i>	228.02	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	300.81	
		<i>For Staggered Brick Pattern, Add</i>	367.64	
08 33 26 00-0004	EA	8' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,184.72	481.28
		<i>For Lexan Lattice Pattern, Add</i>	271.24	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	401.08	
		<i>For Staggered Brick Pattern, Add</i>	463.82	
08 33 26 00-0005	EA	12' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,516.66	481.28
		<i>For Lexan Lattice Pattern, Add</i>	321.03	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	436.11	
		<i>For Staggered Brick Pattern, Add</i>	656.17	
08 33 26 00-0006	EA	16' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,027.12	770.05
		<i>For Lexan Lattice Pattern, Add</i>	423.52	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	802.15	
		<i>For Staggered Brick Pattern, Add</i>	925.35	
08 33 26 00-0007	EA	20' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,251.40	962.57
		<i>For Lexan Lattice Pattern, Add</i>	526.01	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,002.69	
		<i>For Staggered Brick Pattern, Add</i>	1,194.52	
08 33 26 00-0008	EA	24' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,782.33	1,155.08
		<i>For Lexan Lattice Pattern, Add</i>	672.71	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,203.23	
		<i>For Staggered Brick Pattern, Add</i>	1,343.69	
08 33 26 00-0009	EA	30' x 8', Galvanized Steel Overhead Coiling Grilles, Manual Lift	9,488.35	1,411.76
		<i>For Lexan Lattice Pattern, Add</i>	820.14	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,393.61	
		<i>For Staggered Brick Pattern, Add</i>	1,465.47	
08 33 26 00-0010	EA	4' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,556.00	385.02
		<i>For Lexan Lattice Pattern, Add</i>	218.52	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	250.67	
		<i>For Staggered Brick Pattern, Add</i>	322.50	
08 33 26 00-0011	EA	6' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,861.05	385.02
		<i>For Lexan Lattice Pattern, Add</i>	264.28	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	376.00	
		<i>For Staggered Brick Pattern, Add</i>	457.97	
08 33 26 00-0012	EA	8' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,450.20	481.28
		<i>For Lexan Lattice Pattern, Add</i>	311.68	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	501.35	
		<i>For Staggered Brick Pattern, Add</i>	593.43	
08 33 26 00-0013	EA	12' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,865.91	481.28
		<i>For Lexan Lattice Pattern, Add</i>	374.03	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	752.02	
		<i>For Staggered Brick Pattern, Add</i>	864.37	
08 33 26 00-0014	EA	16' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	5,489.16	770.05
		<i>For Lexan Lattice Pattern, Add</i>	492.82	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,002.69	
		<i>For Staggered Brick Pattern, Add</i>	1,191.85	
08 33 26 00-0015	EA	20' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,822.07	962.57
		<i>For Lexan Lattice Pattern, Add</i>	611.61	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,253.36	
		<i>For Staggered Brick Pattern, Add</i>	1,519.31	
08 33 26 00-0016	EA	24' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	8,471.82	1,155.08
		<i>For Lexan Lattice Pattern, Add</i>	776.14	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,504.22	
		<i>For Staggered Brick Pattern, Add</i>	1,759.48	
08 33 26 00-0017	EA	30' x 10', Galvanized Steel Overhead Coiling Grilles, Manual Lift	10,553.01	1,411.76
		<i>For Lexan Lattice Pattern, Add</i>	979.84	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,761.22	
		<i>For Staggered Brick Pattern, Add</i>	1,971.02	
08 33 26 00-0018	EA	4' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,747.05	385.02
		<i>For Lexan Lattice Pattern, Add</i>	247.18	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	300.81	
		<i>For Staggered Brick Pattern, Add</i>	372.80	
08 33 26 00-0019	EA	6' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	2,802.35	385.02
		<i>For Lexan Lattice Pattern, Add</i>	255.47	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	451.21	
		<i>For Staggered Brick Pattern, Add</i>	546.78	
08 33 26 00-0020	EA	8' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	3,435.85	481.28
		<i>For Lexan Lattice Pattern, Add</i>	308.91	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	601.60	
		<i>For Staggered Brick Pattern, Add</i>	720.76	
08 33 26 00-0021	EA	12' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	4,267.14	481.28
		<i>For Lexan Lattice Pattern, Add</i>	433.60	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	902.39	
		<i>For Staggered Brick Pattern, Add</i>	1,068.73	
08 33 26 00-0022	EA	16' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	6,142.29	770.05
		<i>For Lexan Lattice Pattern, Add</i>	590.79	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,203.21	
		<i>For Staggered Brick Pattern, Add</i>	1,485.85	
08 33 26 00-0023	EA	20' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift	7,731.25	962.57
		<i>For Lexan Lattice Pattern, Add</i>	747.98	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,504.03	
		<i>For Staggered Brick Pattern, Add</i>	1,902.95	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 33 26 00-0024	EA		24' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	9,355.38 908.67 1,804.84 2,012.11	1,155.08
08 33 26 00-0025	EA		30' x 12', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	11,604.90 1,137.62 2,091.54 2,192.22	1,411.76
08 33 26 00-0026	EA		4' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	3,088.75 298.43 350.81 689.53	385.02
08 33 26 00-0027	EA		6' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	3,461.81 354.39 526.32 846.65	385.02
08 33 26 00-0028	EA		8' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	4,112.14 410.97 701.82 985.86	481.28
08 33 26 00-0029	EA		12' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	4,895.84 528.52 1,052.82 1,250.14	481.28
08 33 26 00-0030	EA		16' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	6,793.94 688.54 1,403.77 1,672.46	770.05
08 33 26 00-0031	EA		20' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	8,401.75 848.56 1,754.70 2,094.78	962.57
08 33 26 00-0032	EA		24' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	10,051.53 1,013.09 2,105.64 2,375.72	1,155.08
08 33 26 00-0033	EA		30' x 14', Galvanized Steel Overhead Coiling Grilles, Manual Lift ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	12,739.01 1,307.74 2,485.73 2,714.37	1,411.76
08 33 26 00-0034			<b>Coiling Grilles Accessories (08 33 26)</b>		
08 33 26 00-0035	LF		For Overhead Framed Rolling Grille Supports.....	151.43	
<b>08 33 36 Side Coiling Grilles (08 33)</b>					
<b>08 33 36 00-0001 Galvanized Steel Side Coiling Grilles (Width x Height) (08 33 36)</b>					
08 33 36 00-0002	EA		12' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	5,098.40 303.32 601.61 656.17	1,076.61
08 33 36 00-0003	EA		18' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	6,920.42 445.35 922.82 1,050.97	1,382.97
08 33 36 00-0004	EA		24' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	8,881.82 584.94 1,203.23 1,343.69	1,743.81
08 33 36 00-0005	EA		30' x 8', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	10,377.06 731.17 1,393.61 1,465.47	1,925.13
08 33 36 00-0006	EA		12' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	6,032.87 378.88 752.02 864.37	1,227.50
08 33 36 00-0007	EA		18' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	8,220.50 557.02 1,107.53 1,312.53	1,576.59
08 33 36 00-0008	EA		24' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	10,465.72 717.88 1,504.22 1,759.48	1,987.29
08 33 36 00-0009	EA		30' x 10', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	12,387.55 913.70 1,761.22 1,971.02	2,194.65
08 33 36 00-0010	EA		12' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	6,983.35 454.79 902.39 1,068.73	1,382.97
08 33 36 00-0011	EA		18' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated ..... For Lexan Lattice Pattern, Add ..... For Aluminum With Clear Or Anodized Bronze Finish, Add ..... For Staggered Brick Pattern, Add .....	9,542.02 667.36 1,332.39 1,629.53	1,776.26

**08 Openings****08 30 Specialty Doors and Frames****08 33 Coiling Doors and Grilles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 33 36 00-0012	EA	24' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	12,215.56	2,239.57
		<i>For Lexan Lattice Pattern, Add</i>	877.41	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,804.84	
		<i>For Staggered Brick Pattern, Add</i>	2,012.11	
08 33 36 00-0013	EA	30' x 12', Galvanized Steel Side Coiling Grilles, Manually Operated	14,374.36	2,470.59
		<i>For Lexan Lattice Pattern, Add</i>	1,096.76	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,091.54	
		<i>For Staggered Brick Pattern, Add</i>	2,192.22	
08 33 36 00-0014	EA	12' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	7,910.46	1,529.11
		<i>For Lexan Lattice Pattern, Add</i>	531.76	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,052.82	
		<i>For Staggered Brick Pattern, Add</i>	1,250.14	
08 33 36 00-0015	EA	18' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	10,852.36	1,963.63
		<i>For Lexan Lattice Pattern, Add</i>	779.03	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	1,522.76	
		<i>For Staggered Brick Pattern, Add</i>	1,810.52	
08 33 36 00-0016	EA	24' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	13,876.05	2,475.72
		<i>For Lexan Lattice Pattern, Add</i>	1,023.64	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,105.64	
		<i>For Staggered Brick Pattern, Add</i>	2,375.72	
08 33 36 00-0017	EA	30' x 14', Galvanized Steel Side Coiling Grilles, Manually Operated	16,334.52	2,733.69
		<i>For Lexan Lattice Pattern, Add</i>	1,278.89	
		<i>For Aluminum With Clear Or Anodized Bronze Finish, Add</i>	2,485.73	
		<i>For Staggered Brick Pattern, Add</i>	2,714.37	

**08 34 Special Function Doors** (08 30)**08 34 23 Sidewalk and Basement Doors** (08 34)**08 34 23 00-0001 Drainage Doors** (08 34 23)**08 34 23 00-0002 Single Leaf Aluminum Drainage Doors** (08 34 23 00-0001)

Note: Bilco - J Series.

08 34 23 00-0003	EA	2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,268.02	243.55
08 34 23 00-0004	EA	2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,542.41	254.50
08 34 23 00-0005	EA	3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,634.05	259.96
08 34 23 00-0006	EA	3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	1,794.00	265.44
08 34 23 00-0007	EA	3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,080.07	279.10
08 34 23 00-0008	EA	2'-6" x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,116.03	272.68
08 34 23 00-0009	EA	3' x 4' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,345.62	279.10
08 34 23 00-0010	EA	2'-6" x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,446.25	285.54
08 34 23 00-0011	EA	3' x 5' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,675.87	291.96
08 34 23 00-0012	EA	3' x 6' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,095.03	308.37

**08 34 23 00-0013 Double Leaf Aluminum Drainage Doors** (08 34 23 00-0001)

Note: Bilco - JD Series.

08 34 23 00-0014	EA	4' x 2'-6" Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,495.39	272.68
08 34 23 00-0015	EA	4' x 4' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	2,622.76	291.96
08 34 23 00-0016	EA	4' x 6' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,309.33	324.78
08 34 23 00-0017	EA	5' x 5' Double Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door	3,400.37	324.78

**08 34 23 00-0018 Single Leaf Aluminum H2O Drainage Doors** (08 34 23 00-0001)

Note: Bilco - J H2O Series.

08 34 23 00-0019	EA	2' x 2' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	1,973.64	243.55
08 34 23 00-0020	EA	2'-6" x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,293.55	254.50
08 34 23 00-0021	EA	3' x 2'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,491.45	259.96
08 34 23 00-0022	EA	3' x 3' Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	2,810.75	265.44
08 34 23 00-0023	EA	3'-6" x 3'-6" Single Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,240.97	279.10

**08 34 23 00-0024 Double Leaf Aluminum H2O Drainage Doors** (08 34 23 00-0001)

Note: Bilco - JD H2O Series.

08 34 23 00-0025	EA	4' x 2'-6" Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	3,238.94	272.68
08 34 23 00-0026	EA	4' x 4' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	4,307.13	291.96
08 34 23 00-0027	EA	4' x 6' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	6,093.85	324.78
08 34 23 00-0028	EA	5' x 5' Double Leaf Aluminum H2O Drainage Floor, Vault Or Sidewalk Door	5,744.83	324.78

**08 34 23 00-0029 Single Leaf Steel Drainage Doors** (08 34 23 00-0001)

Note: Bilco - J Series.

08 34 23 00-0030	EA	2' x 2' Single Leaf Steel Floor, Vault Or Sidewalk Door	2,011.93	243.55
08 34 23 00-0031	EA	2'-6" x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,113.74	254.50
08 34 23 00-0032	EA	3' x 2'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,353.69	259.96
08 34 23 00-0033	EA	3' x 3' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,605.87	265.44
08 34 23 00-0034	EA	3'-6" x 3'-6" Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,028.93	279.10
08 34 23 00-0035	EA	2'-6" x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	2,885.19	272.68
08 34 23 00-0036	EA	3' x 4' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,285.10	279.10
08 34 23 00-0037	EA	2'-6" x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,270.28	285.54
08 34 23 00-0038	EA	3' x 5' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,645.82	291.96
08 34 23 00-0039	EA	3' x 6' Single Leaf Steel Drainage Floor, Vault Or Sidewalk Door	3,890.01	308.37

**08 34 23 00-0040 Double Leaf Steel Drainage Doors** (08 34 23 00-0001)

Note: Bilco - JD Series.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 23 00-0041	EA		4' x 2'-6" Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	3,543.90	272.68
08 34 23 00-0042	EA		4' x 4' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	3,719.01	291.96
08 34 23 00-0043	EA		4' x 6' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	4,634.34	324.78
08 34 23 00-0044	EA		5' x 5' Double Leaf Steel Drainage Floor, Vault Or Sidewalk Door .....	4,768.53	324.78
<b>08 34 23 00-0045</b>			<b>Single Leaf Steel H2O Drainage Doors (08 34 23 00-0001)</b>		
			Note: Bilco - J H2O Series.		
08 34 23 00-0046	EA		2' x 2' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	3,426.95	243.55
08 34 23 00-0047	EA		2'-6" x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	3,626.35	254.50
08 34 23 00-0048	EA		3' x 2'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	3,756.55	259.96
08 34 23 00-0049	EA		3' x 3' Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	4,423.49	265.44
08 34 23 00-0050	EA		3'-6" x 3'-6" Single Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	5,212.50	279.10
<b>08 34 23 00-0051</b>			<b>Double Leaf Steel H2O Drainage Doors (08 34 23 00-0001)</b>		
			Note: Bilco - JD H2O Series.		
08 34 23 00-0052	EA		4' x 2'-6" Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door.....	5,739.62	272.68
08 34 23 00-0053	EA		4' x 4' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	6,414.87	291.96
08 34 23 00-0054	EA		4' x 6' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	9,525.92	324.78
08 34 23 00-0055	EA		5' x 5' Double Leaf Steel H2O Drainage Floor, Vault Or Sidewalk Door .....	9,281.95	324.78
<b>08 34 23 00-0056</b>			<b>Single Leaf Aluminum Drainage Door (08 34 23 00-0001)</b>		
			Note: Bilco - J-R Series (Odor Resistant).		
08 34 23 00-0057	EA		2' x 2' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	3,216.58	243.55
08 34 23 00-0058	EA		2'-6" x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	3,860.04	254.50
08 34 23 00-0059	EA		3' x 2'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant.....	4,106.22	259.96
08 34 23 00-0060	EA		3' x 3' Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	4,357.01	265.44
08 34 23 00-0061	EA		3'-6" x 3'-6" Single Leaf Aluminum Drainage Floor, Vault Or Sidewalk Door, Odor Resistant .....	4,954.22	279.10
<b>08 34 23 00-0062</b>			<b>Non-Drainage Doors (08 34 23)</b>		
<b>08 34 23 00-0063</b>			<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
			Note: Bilco - Q Series.		
08 34 23 00-0064	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	1,222.61	243.55
08 34 23 00-0065	EA		2' 6" x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,466.54	254.50
08 34 23 00-0066	EA		3' x 2' 6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	1,565.85	259.96
08 34 23 00-0067	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	1,627.13	265.44
08 34 23 00-0068	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	2,026.96	279.10
08 34 23 00-0069	EA		2'-6" x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	1,835.35	272.68
08 34 23 00-0070	EA		3' x 4' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	2,042.13	279.10
08 34 23 00-0071	EA		2'-6" x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,279.17	285.54
08 34 23 00-0072	EA		3' x 5' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	2,410.42	291.96
08 34 23 00-0073	EA		3' x 6' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	2,731.21	308.37
<b>08 34 23 00-0074</b>			<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
			Note: Bilco - K Series.		
08 34 23 00-0075	EA		2' x 2' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	1,017.75	243.55
08 34 23 00-0076	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	1,208.57	254.50
08 34 23 00-0077	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	1,330.65	259.96
08 34 23 00-0078	EA		3' x 3' Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	1,414.69	265.44
08 34 23 00-0079	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	1,632.42	279.10
<b>08 34 23 00-0080</b>			<b>Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
			Note: Bilco - QD Series.		
08 34 23 00-0081	EA		4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	2,305.76	272.68
<b>08 34 23 00-0082</b>			<b>Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
			Note: Bilco - KD Series.		
08 34 23 00-0083	EA		4' x 4' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	2,220.74	291.96
08 34 23 00-0084	EA		4' x 6' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	3,089.44	324.78
08 34 23 00-0085	EA		5' x 5' Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door.....	3,150.13	324.78
<b>08 34 23 00-0086</b>			<b>Single Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
			Note: Bilco - T Series.		
08 34 23 00-0087	EA		2' x 2' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering .....	1,108.80	243.55
08 34 23 00-0088	EA		2'-6" x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,284.44	254.50
08 34 23 00-0089	EA		3' x 2'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering .....	1,368.59	259.96
08 34 23 00-0090	EA		3' x 3' Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering .....	1,490.56	265.44
08 34 23 00-0091	EA		3'-6" x 3'-6" Single Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	1,731.05	279.10
<b>08 34 23 00-0092</b>			<b>Double Leaf Aluminum Non-Drainage Doors (08 34 23 00-0062)</b>		
			Note: Bilco - TD Series.		
08 34 23 00-0093	EA		4' x 4' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	2,349.73	291.96
08 34 23 00-0094	EA		4' x 6' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	3,248.77	324.78
08 34 23 00-0095	EA		5' x 5' Double Leaf Aluminum Non-Drainage Door, Floor Installation For Covering.....	3,294.29	324.78

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 34 Special Function Doors**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>08 34 23 00-0096</b>		<b>Single Leaf Steel Non-Drainage Doors</b> (08 34 23 00-0062)		
Note: Bilco - Q Series.				
08 34 23 00-0097	EA	2' x 2' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door .....	1,377.72	243.55
08 34 23 00-0098	EA	2'-6" x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door .....	1,540.41	254.50
08 34 23 00-0099	EA	3' x 2'-6" Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door .....	1,731.66	259.96
08 34 23 00-0100	EA	3' x 3' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door .....	1,837.42	265.44
08 34 23 00-0101	EA	2'-6" x 4' Single Leaf Steel Non-Drainage Floor, Vault Or Sidewalk Door .....	2,093.58	265.44
<b>08 34 23 00-0102</b>		<b>Double Leaf Steel Non-Drainage Doors</b> (08 34 23 00-0062)		
Note: Bilco - QD Series.				
08 34 23 00-0103	EA	4' x 2'-6" Double Leaf Aluminum Non-Drainage Floor, Vault Or Sidewalk Door .....	2,775.40	272.68
<b>08 34 23 00-0104</b>		<b>Basement Doors</b> (08 34 23)		
Note: 12 gauge primed steel, center opening, includes assembly and installation hardware.				
08 34 23 00-0105	EA	45-1/4" Wide x 65-1/4" Long, Sloped Wall Basement Door, Factory Primed Metal .....	1,893.83	307.68
08 34 23 00-0106	EA	30" High x 47" Wide x 58" Long, Basement Door .....	1,576.37	233.16
08 34 23 00-0107	EA	22" High x 51" Wide x 64" Long, Basement Door .....	1,639.98	256.41
08 34 23 00-0108	EA	19-1/2" High x 55" Wide x 72" Long, Basement Door .....	1,752.27	273.51
08 34 23 00-0109	EA	52" High x 51" Wide x 43-1/4" Long, Basement Door .....	1,940.17	307.68
<b>08 34 49</b>		<b>Radiation Shielding Doors and Frames</b> (08 34)		
<b>08 34 49 13</b>		<b>Neutron Shielding Doors and Frames</b> (08 34 49)		
<b>08 34 49 13-0001</b>		<b>Lead Lined Doors And Frames</b> (08 34 49 13)		
08 34 49 13-0002	SF	1/16" Thick Laminated Lead In Wood Door .....	154.09	13.68
08 34 49 13-0003	SF	1/8" Thick Laminated Lead In Wood Door .....	190.06	13.68
08 34 49 13-0004	LF	1/16" Thick Lead Lined Door Frame .....	168.41	13.68
08 34 49 13-0005	LF	1/8" Thick Lead Lined Door Frame .....	180.40	13.68
<b>08 34 53</b>		<b>Security Doors and Frames</b> (08 34)		
<b>08 34 53 00-0001</b>		<b>Metal Security Doors</b> (08 34 53)		
Note: Includes standard pitcher handle latch, pneumatic closure, hinges and baked enamel finish.				
08 34 53 00-0002	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-501-28-O) .....	1,250.85	137.51
Note: Top and bottom section are #12 mesh 0.028" stainless steel wire cloth with a bottom kick plate.				
08 34 53 00-0003	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-503-28-O) .....	1,250.85	137.51
Note: Top section is #12 mesh 0.028" stainless steel wire cloth and bottom section is a double kick panel.				
08 34 53 00-0004	EA	Up To 3' x 7' Steel Narrowline Security Door (Kane Screens S-504-28-O) .....	1,738.78	137.51
Note: Top section includes 1/8" tempered sash unit and #12 mesh 0.028" stainless steel wire cloth. Bottom section is a double kick panel.				
<b>08 34 56</b>		<b>Security Gates</b> (08 34)		
<b>08 34 56 00-0001</b>		<b>Pivoting Double Folding Gate</b> (08 34 56)		
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.				
08 34 56 00-0002	EA	6' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,326.19	260.55
08 34 56 00-0003	EA	8' To 10' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,488.91	293.11
08 34 56 00-0004	EA	8' To 10' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,602.84	325.68
08 34 56 00-0005	EA	8' To 10' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,765.55	358.25
08 34 56 00-0006	EA	10' To 12' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,503.30	263.80
08 34 56 00-0007	EA	10' To 12' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,617.50	296.37
08 34 56 00-0008	EA	10' To 12' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,773.62	328.94
08 34 56 00-0009	EA	10' To 12' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,894.79	361.50
08 34 56 00-0010	EA	12' To 14' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,582.97	267.06
08 34 56 00-0011	EA	12' To 14' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,696.81	299.62
08 34 56 00-0012	EA	12' To 14' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,790.48	315.91
08 34 56 00-0013	EA	12' To 14' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,884.50	332.19
08 34 56 00-0014	EA	12' To 14' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	2,010.65	364.77
08 34 56 00-0015	EA	14' To 16' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,736.01	270.31
08 34 56 00-0016	EA	14' To 16' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,849.45	302.88
08 34 56 00-0017	EA	14' To 16' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,955.25	319.17
08 34 56 00-0018	EA	14' To 16' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	2,086.53	335.46
08 34 56 00-0019	EA	14' To 16' Width Opening, 8' In Use Height, Pivoting Galvanized Double Folding Gate .....	2,273.00	368.02
08 34 56 00-0020	EA	16' To 18' Width Opening, 6' In Use Height, Pivoting Galvanized Double Folding Gate .....	1,968.78	276.83
08 34 56 00-0021	EA	16' To 18' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	2,113.02	312.66
08 34 56 00-0022	EA	16' To 18' Width Opening, 7' In Use Height, Pivoting Galvanized Double Folding Gate .....	2,274.01	332.19
08 34 56 00-0023	EA	16' To 18' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Double Folding Gate .....	2,368.13	341.97
<b>08 34 56 00-0024</b>		<b>Pivoting Single Folding Gate</b> (08 34 56)		
Note: Includes locking bar, solid steel casters and galvanized finish. Excludes padlock.				
08 34 56 00-0025	EA	5' To 6' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate .....	901.52	182.38
08 34 56 00-0026	EA	5' To 6' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	963.32	188.90
08 34 56 00-0027	EA	5' To 6' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,025.15	195.41
08 34 56 00-0028	EA	5' To 6' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,100.01	208.43
08 34 56 00-0029	EA	5' To 6' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,150.46	221.47
08 34 56 00-0030	EA	6' To 7' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate .....	963.13	188.90
08 34 56 00-0031	EA	6' To 7' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,025.24	195.41
08 34 56 00-0032	EA	6' To 7' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,087.06	201.92
08 34 56 00-0033	EA	6' To 7' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,161.85	214.95

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 34 56 00-0034	EA	6' To 7' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,212.60	227.98
08 34 56 00-0035	EA	7' To 8' Width Opening, 6' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,049.34	195.41
08 34 56 00-0036	EA	7' To 8' Width Opening, 6-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,111.46	201.92
08 34 56 00-0037	EA	7' To 8' Width Opening, 7' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,173.17	208.43
08 34 56 00-0038	EA	7' To 8' Width Opening, 7-1/2' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,248.20	221.47
08 34 56 00-0039	EA	7' To 8' Width Opening, 8' In Use Height, Pivoting Galvanized Single Folding Gate .....	1,323.35	234.49

**08 34 56 00-0040 Window Gates, Expands From 2' To 4'** (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0041	EA	33" High Window Gate, Up To 4' Wide Opening.....	366.00	71.65
08 34 56 00-0042	EA	37" High Window Gate, Up To 4' Wide Opening.....	379.03	78.17
08 34 56 00-0043	EA	40" High Window Gate, Up To 4' Wide Opening.....	379.03	78.17
08 34 56 00-0044	EA	43" High Window Gate, Up To 4' Wide Opening.....	393.03	84.68
08 34 56 00-0045	EA	46" High Window Gate, Up To 4' Wide Opening.....	393.03	84.68
08 34 56 00-0046	EA	49" High Window Gate, Up To 4' Wide Opening.....	406.05	91.19
08 34 56 00-0047	EA	51" High Window Gate, Up To 4' Wide Opening.....	406.06	91.19
08 34 56 00-0048	EA	53" High Window Gate, Up To 4' Wide Opening.....	419.08	97.70
08 34 56 00-0049	EA	55" High Window Gate, Up To 4' Wide Opening.....	419.08	97.70
08 34 56 00-0050	EA	57" High Window Gate, Up To 4' Wide Opening.....	432.10	104.22
08 34 56 00-0051	EA	59" High Window Gate, Up To 4' Wide Opening.....	432.10	104.22

**08 34 56 00-0052 Pivoting Door Gate, Expands From 2' To 4'** (08 34 56)

Note: Includes padlock hasp and galvanized finish. Excludes padlock.

08 34 56 00-0053	EA	61" High Pivoting Door Gate, Up To 4' Wide Opening.....	445.14	110.73
08 34 56 00-0054	EA	63" High Pivoting Door Gate, Up To 4' Wide Opening.....	448.12	110.73
08 34 56 00-0055	EA	66" High Pivoting Door Gate, Up To 4' Wide Opening.....	465.09	117.24
08 34 56 00-0056	EA	71" High Pivoting Door Gate, Up To 4' Wide Opening.....	482.07	123.76
08 34 56 00-0057	EA	73" High Pivoting Door Gate, Up To 4' Wide Opening.....	486.02	123.76
08 34 56 00-0058	EA	76" High Pivoting Door Gate, Up To 4' Wide Opening.....	503.01	130.27
08 34 56 00-0059	EA	79" High Pivoting Door Gate, Up To 4' Wide Opening.....	506.96	130.27
08 34 56 00-0060	EA	81" High Pivoting Door Gate, Up To 4' Wide Opening.....	522.70	136.79
08 34 56 00-0061	EA	83" High Pivoting Door Gate, Up To 4' Wide Opening.....	527.87	136.79

**08 34 73 Sound Control Door Assemblies** (08 34)

**08 34 73 13 Metal Sound Control Door Assemblies** (08 34 73)

**08 34 73 13-0001 Steel Acoustical Door Assembly** (08 34 73 13)

Note: Includes seal.

**08 34 73 13-0002 Steel Acoustical Doors** (08 34 73 13-0001)

Note: Includes hardware: cam lift hinges and seals. Excludes frame, hardware: locksets, closer, electromagnetic release, etc.

08 34 73 13-0003	EA	3' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) .....	4,753.40	246.16
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		<i>For Accent Window Vision Lite, Add</i>	1,685.16	
		<i>For Half Window Vision Lite, Add</i>	1,744.23	
		<i>For Full Window Vision Lite, Add</i>	1,803.30	
		<i>For 8' Height, Add</i>	572.13	
		<i>For 45 Minutes Fire Rated, Add</i>	240.90	
		<i>For 60 Minutes Fire Rated, Add</i>	361.34	
		<i>For 90 Minutes Fire Rated, Add</i>	602.24	
		<i>For 120 Minutes Fire Rated, Add</i>	843.14	
		<i>For 45 STC Rating, Deduct</i>	-1,007.75	
		<i>For 48 STC Rating, Deduct</i>	-722.69	
		<i>For 52 STC Rating, Add</i>	562.09	
		<i>For 55 STC Rating, Add</i>	1,525.68	
08 34 73 13-0004	EA	3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	5,026.69	256.41
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		<i>For Accent Window Vision Lite, Add</i>	1,685.16	
		<i>For Half Window Vision Lite, Add</i>	1,744.23	
		<i>For Full Window Vision Lite, Add</i>	1,803.30	
		<i>For 8' Height, Add</i>	606.69	
		<i>For 45 Minutes Fire Rated, Add</i>	255.45	
		<i>For 60 Minutes Fire Rated, Add</i>	383.17	
		<i>For 90 Minutes Fire Rated, Add</i>	638.62	
		<i>For 120 Minutes Fire Rated, Add</i>	894.07	
		<i>For 45 STC Rating, Deduct</i>	-1,068.62	
		<i>For 48 STC Rating, Deduct</i>	-766.34	
		<i>For 52 STC Rating, Add</i>	596.04	
		<i>For 55 STC Rating, Add</i>	1,617.83	
08 34 73 13-0005	EA	4' x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated) .....	5,330.74	276.93
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		<i>For Accent Window Vision Lite, Add</i>	1,685.16	
		<i>For Half Window Vision Lite, Add</i>	1,744.23	
		<i>For Full Window Vision Lite, Add</i>	1,803.30	
		<i>For 8' Height, Add</i>	641.25	
		<i>For 45 Minutes Fire Rated, Add</i>	270.00	
		<i>For 60 Minutes Fire Rated, Add</i>	405.00	
		<i>For 90 Minutes Fire Rated, Add</i>	675.00	
		<i>For 120 Minutes Fire Rated, Add</i>	944.99	
		<i>For 45 STC Rating, Deduct</i>	-1,129.49	
		<i>For 48 STC Rating, Deduct</i>	-809.99	
		<i>For 52 STC Rating, Add</i>	630.00	
		<i>For 55 STC Rating, Add</i>	1,709.99	



## 08 Openings

## 08 30 Specialty Doors and Frames

## 08 34 Special Function Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 34 73 13-0006	PR	Pair 3' x 7', 16 Gauge, STC 50, Steel Acoustical Doors (Unrated) .....	9,432.94	467.68
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	3,370.31	
		For Pair Half Window Vision Lites, Add	3,488.46	
		For Pair Full Window Vision Lites, Add	3,606.61	
		For 8' Height, Add	1,144.26	
		For 45 Minutes Fire Rated, Add	481.79	
		For 60 Minutes Fire Rated, Add	722.69	
		For 90 Minutes Fire Rated, Add	1,204.48	
		For 120 Minutes Fire Rated, Add	1,686.27	
		For 45 STC Rating, Deduct	-2,015.50	
		For 48 STC Rating, Deduct	-1,445.38	
		For 52 STC Rating, Add	1,124.18	
		For 55 STC Rating, Add	3,051.35	
08 34 73 13-0007	PR	Pair 3'-6" x 7', 16 Gauge, STC 50, Steel Acoustical Door (Unrated).....	9,930.29	471.79
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	3,370.31	
		For Pair Half Window Vision Lites, Add	3,488.46	
		For Pair Full Window Vision Lites, Add	3,606.61	
		For 8' Height, Add	1,213.37	
		For 45 Minutes Fire Rated, Add	510.89	
		For 60 Minutes Fire Rated, Add	766.34	
		For 90 Minutes Fire Rated, Add	1,277.24	
		For 120 Minutes Fire Rated, Add	1,788.13	
		For 45 STC Rating, Deduct	-2,137.24	
		For 48 STC Rating, Deduct	-1,532.68	
		For 52 STC Rating, Add	1,192.09	
		For 55 STC Rating, Add	3,235.67	
08 34 73 13-0008	EA	3' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	5,332.34	154.53
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	1,685.16	
		For Half Window Vision Lite, Add	1,744.23	
		For Full Window Vision Lite, Add	1,803.30	
		For 8' Height, Add	649.37	
		For 45 Minutes Fire Rated, Add	273.42	
		For 60 Minutes Fire Rated, Add	410.13	
		For 90 Minutes Fire Rated, Add	683.54	
		For 120 Minutes Fire Rated, Add	956.96	
		For 45 STC Rating, Deduct	-1,143.80	
		For 48 STC Rating, Deduct	-820.25	
		For 52 STC Rating, Add	637.97	
		For 55 STC Rating, Add	1,731.64	
08 34 73 13-0009	EA	3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated) .....	5,639.04	269.40
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	1,685.16	
		For Half Window Vision Lite, Add	1,744.23	
		For Full Window Vision Lite, Add	1,803.30	
		For 8' Height, Add	688.59	
		For 45 Minutes Fire Rated, Add	289.93	
		For 60 Minutes Fire Rated, Add	434.90	
		For 90 Minutes Fire Rated, Add	724.83	
		For 120 Minutes Fire Rated, Add	1,014.76	
		For 45 STC Rating, Deduct	-1,212.88	
		For 48 STC Rating, Deduct	-869.80	
		For 52 STC Rating, Add	676.51	
		For 55 STC Rating, Add	1,836.24	
08 34 73 13-0010	EA	4' x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	5,979.93	291.28
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Accent Window Vision Lite, Add	1,685.16	
		For Half Window Vision Lite, Add	1,744.23	
		For Full Window Vision Lite, Add	1,803.30	
		For 8' Height, Add	727.81	
		For 45 Minutes Fire Rated, Add	306.45	
		For 60 Minutes Fire Rated, Add	459.67	
		For 90 Minutes Fire Rated, Add	766.12	
		For 120 Minutes Fire Rated, Add	1,072.57	
		For 45 STC Rating, Deduct	-1,281.97	
		For 48 STC Rating, Deduct	-919.34	
		For 52 STC Rating, Add	715.04	
		For 55 STC Rating, Add	1,940.83	
08 34 73 13-0011	PR	Pair 3' x 7', 14 Gauge, STC 50, Steel Acoustical Doors (Unrated) .....	10,044.71	490.94
		Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.		
		For Pair Accent Window Vision Lites, Add	3,370.31	
		For Pair Half Window Vision Lites, Add	3,488.46	
		For Pair Full Window Vision Lites, Add	3,606.61	
		For 8' Height, Add	1,221.50	
		For 45 Minutes Fire Rated, Add	514.31	
		For 60 Minutes Fire Rated, Add	771.47	
		For 90 Minutes Fire Rated, Add	1,285.79	
		For 120 Minutes Fire Rated, Add	1,800.10	
		For 45 STC Rating, Deduct	-2,151.55	
		For 48 STC Rating, Deduct	-1,542.94	
		For 52 STC Rating, Add	1,200.07	
		For 55 STC Rating, Add	3,257.32	

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
08 34 73 13-0012	PR Pair 3'-6" x 7', 14 Gauge, STC 50, Steel Acoustical Door (Unrated).....	10,576.16		495.03	
	Note: Excludes steel acoustical doorframe See CSI section 08 34 73 13-0013 for steel acoustical door frames.				
	For Pair Accent Window Vision Lites, Add	3,370.31			
	For Pair Half Window Vision Lites, Add	3,488.46			
	For Pair Full Window Vision Lites, Add	3,606.61			
	For 8' Height, Add	1,295.28			
	For 45 Minutes Fire Rated, Add	545.38			
	For 60 Minutes Fire Rated, Add	818.07			
	For 90 Minutes Fire Rated, Add	1,363.45			
	For 120 Minutes Fire Rated, Add	1,908.83			
	For 45 STC Rating, Deduct	-2,281.51			
	For 48 STC Rating, Deduct	-1,636.14			
	For 52 STC Rating, Add	1,272.55			
	For 55 STC Rating, Add	3,454.07			
<b>08 34 73 13-0013</b>	<b>Steel Acoustical Door Frames (08 34 73 13-0001)</b>				
	Note: Includes threshold and rating up to STC 55.				
08 34 73 13-0014	EA 3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,378.81		136.75	
	For 8' Height, Add	325.66			
	For 45 Minutes Fire Rated, Add	198.23			
	For 60 Minutes Fire Rated, Add	339.82			
	For 90 Minutes Fire Rated, Add	481.41			
	For 120 Minutes Fire Rated, Add	679.63			
08 34 73 13-0015	EA 3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,459.02		136.75	
	For 8' Height, Add	334.88			
	For 45 Minutes Fire Rated, Add	203.84			
	For 60 Minutes Fire Rated, Add	349.44			
	For 90 Minutes Fire Rated, Add	495.04			
	For 120 Minutes Fire Rated, Add	698.88			
08 34 73 13-0016	EA 3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,539.24		136.75	
	For 8' Height, Add	344.11			
	For 45 Minutes Fire Rated, Add	209.46			
	For 60 Minutes Fire Rated, Add	359.07			
	For 90 Minutes Fire Rated, Add	508.68			
	For 120 Minutes Fire Rated, Add	718.14			
08 34 73 13-0017	EA 3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,619.46		136.75	
	For 8' Height, Add	353.33			
	For 45 Minutes Fire Rated, Add	215.07			
	For 60 Minutes Fire Rated, Add	368.70			
	For 90 Minutes Fire Rated, Add	522.32			
	For 120 Minutes Fire Rated, Add	737.39			
08 34 73 13-0018	EA 3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,851.38		150.43	
	For 8' Height, Add	373.71			
	For 45 Minutes Fire Rated, Add	227.48			
	For 60 Minutes Fire Rated, Add	389.96			
	For 90 Minutes Fire Rated, Add	552.45			
	For 120 Minutes Fire Rated, Add	779.92			
08 34 73 13-0019	EA 3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	3,940.92		150.43	
	For 8' Height, Add	384.01			
	For 45 Minutes Fire Rated, Add	233.75			
	For 60 Minutes Fire Rated, Add	400.71			
	For 90 Minutes Fire Rated, Add	567.67			
	For 120 Minutes Fire Rated, Add	801.41			
08 34 73 13-0020	EA 3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,021.14		150.43	
	For 8' Height, Add	393.24			
	For 45 Minutes Fire Rated, Add	239.36			
	For 60 Minutes Fire Rated, Add	410.33			
	For 90 Minutes Fire Rated, Add	581.30			
	For 120 Minutes Fire Rated, Add	820.67			
08 34 73 13-0021	EA 3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,120.63		150.43	
	For 8' Height, Add	404.68			
	For 45 Minutes Fire Rated, Add	246.33			
	For 60 Minutes Fire Rated, Add	422.27			
	For 90 Minutes Fire Rated, Add	598.22			
	For 120 Minutes Fire Rated, Add	844.54			
08 34 73 13-0022	EA 4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,317.12		157.27	
	For 8' Height, Add	424.13			
	For 45 Minutes Fire Rated, Add	258.16			
	For 60 Minutes Fire Rated, Add	442.57			
	For 90 Minutes Fire Rated, Add	626.97			
	For 120 Minutes Fire Rated, Add	885.14			
08 34 73 13-0023	EA 4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,397.33		157.27	
	For 8' Height, Add	433.35			
	For 45 Minutes Fire Rated, Add	263.78			
	For 60 Minutes Fire Rated, Add	452.19			
	For 90 Minutes Fire Rated, Add	640.61			
	For 120 Minutes Fire Rated, Add	904.39			
08 34 73 13-0024	EA 4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,477.55		157.27	
	For 8' Height, Add	442.58			
	For 45 Minutes Fire Rated, Add	269.40			
	For 60 Minutes Fire Rated, Add	461.82			
	For 90 Minutes Fire Rated, Add	654.25			
	For 120 Minutes Fire Rated, Add	923.64			
08 34 73 13-0025	EA 4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,567.09		157.27	
	For 8' Height, Add	452.87			
	For 45 Minutes Fire Rated, Add	275.66			
	For 60 Minutes Fire Rated, Add	472.56			
	For 90 Minutes Fire Rated, Add	669.47			
	For 120 Minutes Fire Rated, Add	945.13			

## 08 Openings

## 08 30 Specialty Doors and Frames

## 08 34 Special Function Doors

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0026	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	7,423.13	177.78
			For 8' Height, Add .....	771.88	
			For 45 Minutes Fire Rated, Add .....	469.84	
			For 60 Minutes Fire Rated, Add .....	805.44	
			For 90 Minutes Fire Rated, Add .....	1,141.04	
			For 120 Minutes Fire Rated, Add .....	1,610.88	
08 34 73 13-0027	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	7,499.62	177.78
			For 8' Height, Add .....	780.68	
			For 45 Minutes Fire Rated, Add .....	475.20	
			For 60 Minutes Fire Rated, Add .....	814.62	
			For 90 Minutes Fire Rated, Add .....	1,154.05	
			For 120 Minutes Fire Rated, Add .....	1,629.24	
08 34 73 13-0028	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	7,581.70	177.78
			For 8' Height, Add .....	790.12	
			For 45 Minutes Fire Rated, Add .....	480.94	
			For 60 Minutes Fire Rated, Add .....	824.47	
			For 90 Minutes Fire Rated, Add .....	1,168.00	
			For 120 Minutes Fire Rated, Add .....	1,648.94	
08 34 73 13-0029	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	7,665.64	177.78
			For 8' Height, Add .....	799.77	
			For 45 Minutes Fire Rated, Add .....	486.82	
			For 60 Minutes Fire Rated, Add .....	834.54	
			For 90 Minutes Fire Rated, Add .....	1,182.27	
			For 120 Minutes Fire Rated, Add .....	1,669.09	
08 34 73 13-0030	EA		7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	7,953.88	184.62
			For 8' Height, Add .....	829.77	
			For 45 Minutes Fire Rated, Add .....	505.08	
			For 60 Minutes Fire Rated, Add .....	865.85	
			For 90 Minutes Fire Rated, Add .....	1,226.62	
			For 120 Minutes Fire Rated, Add .....	1,731.70	
08 34 73 13-0031	EA		7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,036.10	184.62
			For 8' Height, Add .....	839.23	
			For 45 Minutes Fire Rated, Add .....	510.83	
			For 60 Minutes Fire Rated, Add .....	875.72	
			For 90 Minutes Fire Rated, Add .....	1,240.60	
			For 120 Minutes Fire Rated, Add .....	1,751.43	
08 34 73 13-0032	EA		7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,124.34	184.62
			For 8' Height, Add .....	849.38	
			For 45 Minutes Fire Rated, Add .....	517.01	
			For 60 Minutes Fire Rated, Add .....	886.31	
			For 90 Minutes Fire Rated, Add .....	1,255.60	
			For 120 Minutes Fire Rated, Add .....	1,772.61	
08 34 73 13-0033	EA		7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 16 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,214.58	184.62
			For 8' Height, Add .....	859.75	
			For 45 Minutes Fire Rated, Add .....	523.33	
			For 60 Minutes Fire Rated, Add .....	897.13	
			For 90 Minutes Fire Rated, Add .....	1,270.94	
			For 120 Minutes Fire Rated, Add .....	1,794.27	
08 34 73 13-0034	EA		3' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,693.45	136.75
			For 8' Height, Add .....	361.84	
			For 45 Minutes Fire Rated, Add .....	220.25	
			For 60 Minutes Fire Rated, Add .....	377.57	
			For 90 Minutes Fire Rated, Add .....	534.90	
			For 120 Minutes Fire Rated, Add .....	755.15	
08 34 73 13-0035	EA		3' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,782.58	136.75
			For 8' Height, Add .....	372.09	
			For 45 Minutes Fire Rated, Add .....	226.49	
			For 60 Minutes Fire Rated, Add .....	388.27	
			For 90 Minutes Fire Rated, Add .....	550.05	
			For 120 Minutes Fire Rated, Add .....	776.54	
08 34 73 13-0036	EA		3' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,871.71	136.75
			For 8' Height, Add .....	382.34	
			For 45 Minutes Fire Rated, Add .....	232.73	
			For 60 Minutes Fire Rated, Add .....	398.97	
			For 90 Minutes Fire Rated, Add .....	565.20	
			For 120 Minutes Fire Rated, Add .....	797.93	
08 34 73 13-0037	EA		3' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	3,960.84	136.75
			For 8' Height, Add .....	392.59	
			For 45 Minutes Fire Rated, Add .....	238.97	
			For 60 Minutes Fire Rated, Add .....	409.66	
			For 90 Minutes Fire Rated, Add .....	580.35	
			For 120 Minutes Fire Rated, Add .....	819.32	
08 34 73 13-0038	EA		3'-6" x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	4,212.45	150.43
			For 8' Height, Add .....	415.24	
			For 45 Minutes Fire Rated, Add .....	252.75	
			For 60 Minutes Fire Rated, Add .....	433.29	
			For 90 Minutes Fire Rated, Add .....	613.83	
			For 120 Minutes Fire Rated, Add .....	866.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 34 73 13-0039	EA		3'-6" x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	4,311.95	150.43
			For 8' Height, Add	426.68	
			For 45 Minutes Fire Rated, Add	259.72	
			For 60 Minutes Fire Rated, Add	445.23	
			For 90 Minutes Fire Rated, Add	630.74	
			For 120 Minutes Fire Rated, Add	890.46	
08 34 73 13-0040	EA		3'-6" x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame.....	4,401.07	150.43
			For 8' Height, Add	436.93	
			For 45 Minutes Fire Rated, Add	265.96	
			For 60 Minutes Fire Rated, Add	455.92	
			For 90 Minutes Fire Rated, Add	645.89	
			For 120 Minutes Fire Rated, Add	911.85	
08 34 73 13-0041	EA		3'-6" x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	4,511.62	150.43
			For 8' Height, Add	449.64	
			For 45 Minutes Fire Rated, Add	273.69	
			For 60 Minutes Fire Rated, Add	469.19	
			For 90 Minutes Fire Rated, Add	664.69	
			For 120 Minutes Fire Rated, Add	938.38	
08 34 73 13-0042	EA		4' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	4,726.90	157.27
			For 8' Height, Add	471.25	
			For 45 Minutes Fire Rated, Add	286.85	
			For 60 Minutes Fire Rated, Add	491.74	
			For 90 Minutes Fire Rated, Add	696.63	
			For 120 Minutes Fire Rated, Add	983.48	
08 34 73 13-0043	EA		4' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	4,816.03	157.27
			For 8' Height, Add	481.50	
			For 45 Minutes Fire Rated, Add	293.09	
			For 60 Minutes Fire Rated, Add	502.44	
			For 90 Minutes Fire Rated, Add	711.79	
			For 120 Minutes Fire Rated, Add	1,004.88	
08 34 73 13-0044	EA		4' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	4,905.16	157.27
			For 8' Height, Add	491.75	
			For 45 Minutes Fire Rated, Add	299.33	
			For 60 Minutes Fire Rated, Add	513.13	
			For 90 Minutes Fire Rated, Add	726.94	
			For 120 Minutes Fire Rated, Add	1,026.27	
08 34 73 13-0045	EA		4' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame .....	5,004.65	157.27
			For 8' Height, Add	503.19	
			For 45 Minutes Fire Rated, Add	306.29	
			For 60 Minutes Fire Rated, Add	525.07	
			For 90 Minutes Fire Rated, Add	743.85	
			For 120 Minutes Fire Rated, Add	1,050.14	
08 34 73 13-0046	EA		6' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,168.91	177.78
			For 8' Height, Add	857.65	
			For 45 Minutes Fire Rated, Add	522.05	
			For 60 Minutes Fire Rated, Add	894.94	
			For 90 Minutes Fire Rated, Add	1,267.83	
			For 120 Minutes Fire Rated, Add	1,789.87	
08 34 73 13-0047	EA		6' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,253.89	177.78
			For 8' Height, Add	867.42	
			For 45 Minutes Fire Rated, Add	527.99	
			For 60 Minutes Fire Rated, Add	905.13	
			For 90 Minutes Fire Rated, Add	1,282.27	
			For 120 Minutes Fire Rated, Add	1,810.27	
08 34 73 13-0048	EA		6' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,345.10	177.78
			For 8' Height, Add	877.91	
			For 45 Minutes Fire Rated, Add	534.38	
			For 60 Minutes Fire Rated, Add	916.08	
			For 90 Minutes Fire Rated, Add	1,297.78	
			For 120 Minutes Fire Rated, Add	1,832.16	
08 34 73 13-0049	EA		6' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,438.37	177.78
			For 8' Height, Add	888.63	
			For 45 Minutes Fire Rated, Add	540.91	
			For 60 Minutes Fire Rated, Add	927.27	
			For 90 Minutes Fire Rated, Add	1,313.63	
			For 120 Minutes Fire Rated, Add	1,854.54	
08 34 73 13-0050	EA		7' x 7', 4-1/2" To 6-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,755.60	184.62
			For 8' Height, Add	921.97	
			For 45 Minutes Fire Rated, Add	561.20	
			For 60 Minutes Fire Rated, Add	962.06	
			For 90 Minutes Fire Rated, Add	1,362.91	
			For 120 Minutes Fire Rated, Add	1,924.11	
08 34 73 13-0051	EA		7' x 7', 6-1/2" To 8-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,846.95	184.62
			For 8' Height, Add	932.48	
			For 45 Minutes Fire Rated, Add	567.59	
			For 60 Minutes Fire Rated, Add	973.02	
			For 90 Minutes Fire Rated, Add	1,378.44	
			For 120 Minutes Fire Rated, Add	1,946.04	
08 34 73 13-0052	EA		7' x 7', 8-1/2" To 10-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion .....	8,945.00	184.62
			For 8' Height, Add	943.75	
			For 45 Minutes Fire Rated, Add	574.46	
			For 60 Minutes Fire Rated, Add	984.78	
			For 90 Minutes Fire Rated, Add	1,395.11	
			For 120 Minutes Fire Rated, Add	1,969.57	

**08 Openings****08 30 Specialty Doors and Frames****08 34 Special Function Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 34 73 13-0053	EA	7' x 7', 10-1/2" To 12-1/2" Wall Thickness, 14 Gauge, Split-Frame, Steel Acoustical Door Frame With Removable Center Mullion	9,045.26	184.62
		<i>For 8' Height, Add</i>	955.28	
		<i>For 45 Minutes Fire Rated, Add</i>	581.48	
		<i>For 60 Minutes Fire Rated, Add</i>	996.82	
		<i>For 90 Minutes Fire Rated, Add</i>	1,412.16	
		<i>For 120 Minutes Fire Rated, Add</i>	1,993.63	

**08 34 73 16 Wood Sound Control Door Assemblies (08 34 73)**

08 34 73 16-0001		<b>Wood Acoustical Door Assembly (08 34 73 16)</b>		
		Note: Includes prefinished wood door, frame, hinges and seals. Excludes hardware: locksets, closer, electromagnetic release, etc.		
08 34 73 16-0002	EA	3' x 7' x 1-3/4" Thick, STC 27, Wood Acoustical Door System (Unrated)	2,666.15	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0003	EA	3' x 7' x 1-3/4" Thick, STC 29, Wood Acoustical Door System (Unrated)	2,862.74	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0004	EA	3' x 7' x 1-3/4" Thick, STC 30, Wood Acoustical Door System (Unrated)	2,971.95	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0005	EA	3' x 7' x 1-3/4" Thick, STC 31, Wood Acoustical Door System (Unrated)	3,081.17	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0006	EA	3' x 7' x 1-3/4" Thick, STC 36, Wood Acoustical Door System (Unrated)	3,561.71	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0007	EA	3' x 7' x 1-3/4" Thick, STC 40, Wood Acoustical Door System (Unrated)	4,610.18	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		
08 34 73 16-0008	EA	3' x 7' x 1-3/4" Thick, STC 42, Wood Acoustical Door System (Unrated)	4,813.32	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0009	EA	3' x 7' x 1-3/4" Thick, STC 46, Wood Acoustical Door System (Unrated)	5,625.88	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		
		<i>For 20 Minutes Fire Rated, Add</i>	50.00	
		<i>For 45 Minutes Fire Rated, Add</i>	80.00	
		<i>For 60 Minutes Fire Rated, Add</i>	115.00	
		<i>For 90 Minutes Fire Rated, Add</i>	145.00	
08 34 73 16-0010	EA	3' x 7' x 1-3/4" Thick, STC 49, Wood Acoustical Door System (Unrated)	6,232.02	382.90
		Note: Includes the prefinished door, frame, hinges and seals.		

**08 36 Panel Doors (08 30)****08 36 13 Sectional Doors (08 36)**

Note: Excludes lifting equipment (forklift or scissor lift) where required. See CSI section 01 22 23 00-0833 for forklift.

08 36 13 00-0001		<b>Sectional Wood Overhead Doors (Width x Height) (08 36 13)</b>		
08 36 13 00-0002		<b>Wood Sectional Overhead Doors (08 36 13 00-0001)</b>		
		Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0003	EA	8' x 8', Wood Sectional Door, Manual Lift	3,003.69	547.00
08 36 13 00-0004	EA	10' x 10', Wood Sectional Door, Manual Lift	3,688.88	607.17
08 36 13 00-0005	EA	12' x 12', Wood Sectional Door, Manual Lift	4,676.18	727.52
08 36 13 00-0006	EA	14' x 14', Wood Sectional Door, Manual Lift	6,606.01	842.38
08 36 13 00-0007	EA	12' x 16', Wood Sectional Door, Manual Lift	7,222.24	1,094.01
08 36 13 00-0008	EA	20' x 8', Wood Sectional Door, Manual Lift	7,086.92	1,367.51
08 36 13 00-0009	EA	20' x 16', Wood Sectional Door, Manual Lift	12,507.40	1,822.89
08 36 13 00-0010		<b>Residential Grade, Wood Sectional Overhead Doors (08 36 13 00-0001)</b>		
		Note: Includes 1-3/4" door, tracks and hardware. Excludes frame.		
08 36 13 00-0011	EA	9' x 7', Residential Grade, Wood Sectional Door, Manual Lift	1,544.91	273.51
		<i>For Hardboard Face, Add</i>	115.00	
		<i>For Insulation, Add</i>	117.00	
		<i>For Motor Operator With Remote Controls, Add</i>	505.77	
		<i>For Each Glass Vision Panel In Door, Add</i>	50.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0012	EA		16' x 7', Residential Grade, Wood Sectional Door, Manual Lift..... <i>For Hardboard Face, Add</i> <i>For Insulation, Add</i> <i>For Motor Operator With Remote Controls, Add</i> <i>For Each Glass Vision Panel In Door, Add</i>	2,360.41 115.00 117.00 546.42 50.00	273.51
08 36 13 00-0013			<b>Sectional Metal Overhead Doors (Width x Height)</b> (08 36 13) Note: Includes tracks and all hardware.		
08 36 13 00-0014			<b>Galvanized Steel Sectional Overhead Doors</b> (08 36 13 00-0013)		
08 36 13 00-0015			<b>Non-Insulated, 24 Gauge Galvanized Steel Sectional Doors</b> (08 36 13 00-0014) Note: Includes 2" door, tracks and hardware. Excludes frame.		
08 36 13 00-0016	EA		8' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,033.33 156.03 269.02 122.67 343.27	478.63
08 36 13 00-0017	EA		8' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,393.09 188.37 324.77 148.10 414.41	547.00
08 36 13 00-0018	EA		8' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,955.82 230.30 397.08 181.07 506.67	683.76
08 36 13 00-0019	EA		10' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,293.77 173.97 299.94 136.77 382.72	547.00
08 36 13 00-0020	EA		10' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,828.62 211.86 365.28 166.57 466.09	683.76
08 36 13 00-0021	EA		10' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,564.70 259.11 446.74 203.71 570.03	888.88
08 36 13 00-0022	EA		10' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,222.37 294.98 508.59 231.92 648.96	1,094.01
08 36 13 00-0023	EA		12' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	2,745.02 199.74 344.38 157.04 439.43	683.76
08 36 13 00-0024	EA		12' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,439.26 240.92 415.38 189.41 530.02	888.88
08 36 13 00-0025	EA		12' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,199.70 291.70 502.92 229.33 641.73	1,094.01
08 36 13 00-0026	EA		12' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,956.69 341.97 589.61 268.86 752.34	1,299.14
08 36 13 00-0027	EA		12' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	5,920.11 402.35 693.71 316.33 885.18	1,572.63
08 36 13 00-0028	EA		14' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	3,273.74 216.92 374.00 170.54 477.22	888.88
08 36 13 00-0029	EA		14' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,027.22 266.69 459.80 209.67 586.71	1,094.01
08 36 13 00-0030	EA		14' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... <i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i> <i>For Aluminum, Mill Finish, Add</i> <i>For Aluminum, Anodized Finish, Add</i>	4,973.21 324.54 559.55 255.15 713.99	1,367.51

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0031	EA 14' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,733.68	1,572.63
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	375.32	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	647.11	
	For Aluminum, Mill Finish, Add	295.08	
	For Aluminum, Anodized Finish, Add	825.71	
08 36 13 00-0032	EA 14' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,586.48	1,777.76
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	439.49	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	757.74	
	For Aluminum, Mill Finish, Add	345.53	
	For Aluminum, Anodized Finish, Add	966.88	
08 36 13 00-0033	EA 16' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,966.23	1,094.01
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	257.84	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	444.56	
	For Aluminum, Mill Finish, Add	202.72	
	For Aluminum, Anodized Finish, Add	567.25	
08 36 13 00-0034	EA 16' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,908.74	1,367.51
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	315.19	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	543.43	
	For Aluminum, Mill Finish, Add	247.81	
	For Aluminum, Anodized Finish, Add	693.42	
08 36 13 00-0035	EA 16' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,766.77	1,572.63
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	380.12	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	655.38	
	For Aluminum, Mill Finish, Add	298.85	
	For Aluminum, Anodized Finish, Add	836.26	
08 36 13 00-0036	EA 16' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,847.83	1,777.76
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	477.39	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	823.08	
	For Aluminum, Mill Finish, Add	375.32	
	For Aluminum, Anodized Finish, Add	1,050.25	
08 36 13 00-0037	EA 16' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,971.57	2,051.27
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	561.01	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	967.26	
	For Aluminum, Mill Finish, Add	441.07	
	For Aluminum, Anodized Finish, Add	1,234.22	
08 36 13 00-0038	EA 18' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,042.92	1,367.51
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	334.65	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	576.98	
	For Aluminum, Mill Finish, Add	263.10	
	For Aluminum, Anodized Finish, Add	736.22	
08 36 13 00-0039	EA 18' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,007.23	1,572.63
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	414.99	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	715.49	
	For Aluminum, Mill Finish, Add	326.26	
	For Aluminum, Anodized Finish, Add	912.97	
08 36 13 00-0040	EA 18' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,231.14	1,777.76
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	532.97	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	918.91	
	For Aluminum, Mill Finish, Add	419.02	
	For Aluminum, Anodized Finish, Add	1,172.53	
08 36 13 00-0041	EA 18' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,356.63	2,051.27
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	616.84	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,063.52	
	For Aluminum, Mill Finish, Add	484.97	
	For Aluminum, Anodized Finish, Add	1,357.05	
08 36 13 00-0042	EA 18' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,590.13	2,324.77
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	716.38	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,235.14	
	For Aluminum, Mill Finish, Add	563.22	
	For Aluminum, Anodized Finish, Add	1,576.04	
08 36 13 00-0043	EA 20' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,733.68	1,572.63
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	375.32	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	647.11	
	For Aluminum, Mill Finish, Add	295.08	
	For Aluminum, Anodized Finish, Add	825.71	
08 36 13 00-0044	EA 20' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,697.99	1,777.76
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	455.66	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	785.62	
	For Aluminum, Mill Finish, Add	358.24	
	For Aluminum, Anodized Finish, Add	1,002.45	
08 36 13 00-0045	EA 20' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,222.48	2,051.27
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	597.39	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,029.98	
	For Aluminum, Mill Finish, Add	469.67	
	For Aluminum, Anodized Finish, Add	1,314.26	
08 36 13 00-0046	EA 20' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,347.94	2,324.77
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	681.27	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,174.60	
	For Aluminum, Mill Finish, Add	535.62	
	For Aluminum, Anodized Finish, Add	1,498.78	
08 36 13 00-0047	EA 20' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,459.57	2,598.27
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	908.14	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	1,565.75	
	For Aluminum, Mill Finish, Add	713.98	
	For Aluminum, Anodized Finish, Add	1,997.90	
08 36 13 00-0048	EA 22' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,391.33	1,777.76
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	411.19	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	708.96	
	For Aluminum, Mill Finish, Add	323.28	
	For Aluminum, Anodized Finish, Add	904.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0049	EA		22' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	7,847.89 543.07 936.34 426.97 1,194.76	2,051.27
08 36 13 00-0050	EA		22' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	9,269.54 669.90 1,155.00 526.68 1,473.77	2,324.77
08 36 13 00-0051	EA		22' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	10,896.79 826.53 1,425.06 649.83 1,818.37	2,598.27
08 36 13 00-0052	EA		22' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	12,271.35 946.54 1,631.96 744.17 2,082.38	2,871.77
08 36 13 00-0053	EA		24' x 8', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	7,107.39 435.70 751.21 342.55 958.54	2,051.27
08 36 13 00-0054	EA		24' x 10', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	8,617.90 575.41 992.09 452.39 1,265.90	2,324.77
08 36 13 00-0055	EA		24' x 12', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	10,429.85 758.83 1,308.32 596.59 1,669.42	2,598.27
08 36 13 00-0056	EA		24' x 14', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	11,651.09 856.60 1,476.89 673.46 1,884.51	2,871.77
08 36 13 00-0057	EA		24' x 16', Non-Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift..... For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add	13,057.06 981.15 1,691.64 771.39 2,158.53	3,145.27
<b>08 36 13 00-0058</b>			<b>Insulated, 24 Gauge Galvanized Steel Sectional Doors</b> (08 36 13 00-0014) Note: Includes 2" door with polystyrene insulation, 26 gauge interior cover, tracks and hardware. Excludes frame.		
08 36 13 00-0059	EA		8' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add For 22 Gauge Steel Ribbed, Heavy Duty Door, Add For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 18 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,546.07 181.13 506.83 198.60 397.21 1,032.73 1,986.03	478.63
08 36 13 00-0060	EA		8' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add For 22 Gauge Steel Ribbed, Heavy Duty Door, Add For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 18 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,029.51 220.65 617.42 241.94 483.88 1,258.08 2,419.38	547.00
08 36 13 00-0061	EA		8' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add For 22 Gauge Steel Ribbed, Heavy Duty Door, Add For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 18 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,723.59 268.59 751.59 294.51 589.02 1,531.45 2,945.10	683.76
08 36 13 00-0062	EA		10' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add For 22 Gauge Steel Ribbed, Heavy Duty Door, Add For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 18 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	2,958.84 212.59 594.88 233.10 466.21 1,212.14 2,331.04	547.00
08 36 13 00-0063	EA		10' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add For 22 Gauge Steel Ribbed, Heavy Duty Door, Add For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 18 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,636.53 258.67 723.82 283.63 567.26 1,474.86 2,836.28	683.76
08 36 13 00-0064	EA		10' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift ..... For Aluminum, Mill Finish, Add For Aluminum, Anodized Finish, Add For 22 Gauge Steel Ribbed, Heavy Duty Door, Add For 20 Gauge Steel Ribbed, Heavy Duty Door, Add For 18 Gauge Steel Ribbed, Heavy Duty Door, Add For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,626.74 324.78 908.82 356.12 712.25 1,851.84 3,561.23	888.88

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0065	EA	10' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,382.03	1,094.01
		<i>For Aluminum, Mill Finish, Add</i>	364.12	
		<i>For Aluminum, Anodized Finish, Add</i>	1,018.89	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	399.25	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	798.51	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,076.11	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,992.53	
08 36 13 00-0066	EA	12' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	3,503.45	683.76
		<i>For Aluminum, Mill Finish, Add</i>	243.50	
		<i>For Aluminum, Anodized Finish, Add</i>	681.36	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	266.99	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	533.99	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,388.36	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,669.93	
08 36 13 00-0067	EA	12' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,375.38	888.88
		<i>For Aluminum, Mill Finish, Add</i>	296.13	
		<i>For Aluminum, Anodized Finish, Add</i>	828.64	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	324.70	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	649.41	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,688.45	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,247.03	
08 36 13 00-0068	EA	12' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,337.68	1,094.01
		<i>For Aluminum, Mill Finish, Add</i>	359.06	
		<i>For Aluminum, Anodized Finish, Add</i>	1,004.74	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	393.71	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	787.42	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,047.29	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,937.09	
08 36 13 00-0069	EA	12' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,245.75	1,299.14
		<i>For Aluminum, Mill Finish, Add</i>	415.81	
		<i>For Aluminum, Anodized Finish, Add</i>	1,163.55	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	455.94	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	911.87	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,370.87	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,559.36	
08 36 13 00-0070	EA	12' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,581.39	1,572.63
		<i>For Aluminum, Mill Finish, Add</i>	505.72	
		<i>For Aluminum, Anodized Finish, Add</i>	1,415.13	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	554.52	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,109.03	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,883.48	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,545.16	
08 36 13 00-0071	EA	14' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	4,179.86	888.88
		<i>For Aluminum, Mill Finish, Add</i>	273.84	
		<i>For Aluminum, Anodized Finish, Add</i>	766.27	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	300.26	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	600.53	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,561.37	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,002.63	
08 36 13 00-0072	EA	14' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,181.59	1,094.01
		<i>For Aluminum, Mill Finish, Add</i>	341.27	
		<i>For Aluminum, Anodized Finish, Add</i>	954.95	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	374.20	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	748.40	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,945.83	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,741.98	
08 36 13 00-0073	EA	14' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,311.86	1,367.51
		<i>For Aluminum, Mill Finish, Add</i>	407.76	
		<i>For Aluminum, Anodized Finish, Add</i>	1,141.02	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	447.11	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	894.21	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,324.95	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,471.06	
08 36 13 00-0074	EA	14' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,430.22	1,572.63
		<i>For Aluminum, Mill Finish, Add</i>	488.49	
		<i>For Aluminum, Anodized Finish, Add</i>	1,366.90	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	535.62	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,071.24	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,785.22	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	5,356.20	
08 36 13 00-0075	EA	14' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,522.32	1,777.76
		<i>For Aluminum, Mill Finish, Add</i>	566.22	
		<i>For Aluminum, Anodized Finish, Add</i>	1,584.41	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	620.85	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,241.70	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,228.43	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	6,208.51	
08 36 13 00-0076	EA	16' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	5,012.37	1,094.01
		<i>For Aluminum, Mill Finish, Add</i>	321.98	
		<i>For Aluminum, Anodized Finish, Add</i>	900.97	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	353.05	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	706.09	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	1,835.83	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	3,530.45	
08 36 13 00-0077	EA	16' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	6,443.30	1,367.51
		<i>For Aluminum, Mill Finish, Add</i>	422.75	
		<i>For Aluminum, Anodized Finish, Add</i>	1,182.94	
		<i>For 22 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	463.54	
		<i>For 20 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	927.07	
		<i>For 18 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	2,410.39	
		<i>For 16 Gauge Steel Ribbed, Heavy Duty Door, Add</i>	4,635.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 36 13 00-0078	EA		16' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	7,518.95	1,572.63
			For Aluminum, Mill Finish, Add	498.60	
			For Aluminum, Anodized Finish, Add	1,395.21	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	546.71	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,093.42	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,842.90	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,467.11	
08 36 13 00-0079	EA		16' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	8,601.17	1,777.76
			For Aluminum, Mill Finish, Add	575.21	
			For Aluminum, Anodized Finish, Add	1,609.57	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	630.71	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,261.42	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,279.68	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,307.08	
08 36 13 00-0080	EA		16' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	10,160.30	2,051.27
			For Aluminum, Mill Finish, Add	690.58	
			For Aluminum, Anodized Finish, Add	1,932.42	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	757.22	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,514.44	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,937.54	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	7,572.19	
08 36 13 00-0081	EA		18' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	5,805.80	1,367.51
			For Aluminum, Mill Finish, Add	350.07	
			For Aluminum, Anodized Finish, Add	979.58	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	383.85	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	767.70	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	1,996.01	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	3,838.49	
08 36 13 00-0082	EA		18' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	7,168.98	1,572.63
			For Aluminum, Mill Finish, Add	458.70	
			For Aluminum, Anodized Finish, Add	1,283.57	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	502.97	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,005.93	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,615.42	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,029.65	
08 36 13 00-0083	EA		18' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	8,312.00	1,777.76
			For Aluminum, Mill Finish, Add	542.24	
			For Aluminum, Anodized Finish, Add	1,517.32	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	594.56	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,189.12	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,091.72	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,945.61	
08 36 13 00-0084	EA		18' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	10,327.88	2,051.27
			For Aluminum, Mill Finish, Add	709.69	
			For Aluminum, Anodized Finish, Add	1,985.88	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	778.17	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,556.33	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,046.46	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	7,781.66	
08 36 13 00-0085	EA		18' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	11,333.29	2,324.77
			For Aluminum, Mill Finish, Add	761.95	
			For Aluminum, Anodized Finish, Add	2,132.11	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	835.47	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,670.93	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,344.42	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,354.66	
08 36 13 00-0086	EA		20' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	7,137.77	1,572.63
			For Aluminum, Mill Finish, Add	455.15	
			For Aluminum, Anodized Finish, Add	1,273.61	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	499.06	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	998.13	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,595.13	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	4,990.64	
08 36 13 00-0087	EA		20' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	8,384.31	1,777.76
			For Aluminum, Mill Finish, Add	550.48	
			For Aluminum, Anodized Finish, Add	1,540.39	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	603.60	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,207.20	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,138.72	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,036.00	
08 36 13 00-0088	EA		20' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	10,664.69	2,051.27
			For Aluminum, Mill Finish, Add	748.08	
			For Aluminum, Anodized Finish, Add	2,093.32	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	820.27	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,640.54	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,265.39	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,202.68	
08 36 13 00-0089	EA		20' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	11,633.95	2,324.77
			For Aluminum, Mill Finish, Add	796.22	
			For Aluminum, Anodized Finish, Add	2,228.02	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	873.05	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,746.10	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,539.85	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,730.49	
08 36 13 00-0090	EA		20' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift .....	13,490.42	2,598.27
			For Aluminum, Mill Finish, Add	945.50	
			For Aluminum, Anodized Finish, Add	2,645.74	
			For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	1,036.73	
			For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	2,073.46	
			For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	5,391.00	
			For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	10,367.31	



**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0091	EA 22' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	7,843.75	1,777.76
	For Aluminum, Mill Finish, Add	488.86	
	For Aluminum, Anodized Finish, Add	1,367.95	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	536.03	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,072.06	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	2,787.36	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,360.30	
08 36 13 00-0092	EA 22' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	9,662.48	2,051.27
	For Aluminum, Mill Finish, Add	633.83	
	For Aluminum, Anodized Finish, Add	1,773.62	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	694.99	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,389.98	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,613.95	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	6,949.91	
08 36 13 00-0093	EA 22' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	11,453.23	2,324.77
	For Aluminum, Mill Finish, Add	775.62	
	For Aluminum, Anodized Finish, Add	2,170.37	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	850.46	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,700.92	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,422.39	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	8,504.59	
08 36 13 00-0094	EA 22' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,867.73	2,598.27
	For Aluminum, Mill Finish, Add	874.51	
	For Aluminum, Anodized Finish, Add	2,447.10	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	958.90	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,917.79	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,986.25	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	9,588.95	
08 36 13 00-0095	EA 22' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	14,658.43	2,871.77
	For Aluminum, Mill Finish, Add	1,016.30	
	For Aluminum, Anodized Finish, Add	2,843.86	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	1,114.36	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	2,228.73	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	5,794.69	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	11,143.64	
08 36 13 00-0096	EA 24' x 8', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	8,753.89	2,051.27
	For Aluminum, Mill Finish, Add	530.25	
	For Aluminum, Anodized Finish, Add	1,483.78	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	581.42	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,162.84	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,023.37	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	5,814.18	
08 36 13 00-0097	EA 24' x 10', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	10,754.97	2,324.77
	For Aluminum, Mill Finish, Add	696.02	
	For Aluminum, Anodized Finish, Add	1,947.63	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	763.18	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,526.35	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	3,968.52	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	7,631.76	
08 36 13 00-0098	EA 24' x 12', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	12,452.07	2,598.27
	For Aluminum, Mill Finish, Add	827.13	
	For Aluminum, Anodized Finish, Add	2,314.50	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	906.94	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	1,813.88	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	4,716.08	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	9,069.38	
08 36 13 00-0099	EA 24' x 14', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	14,246.05	2,871.77
	For Aluminum, Mill Finish, Add	969.29	
	For Aluminum, Anodized Finish, Add	2,712.31	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	1,062.82	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	2,125.63	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	5,526.64	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	10,628.16	
08 36 13 00-0100	EA 24' x 16', Insulated, 24 Gauge Galvanized Steel Sectional Door, Manual Lift.....	16,012.15	3,145.27
	For Aluminum, Mill Finish, Add	1,108.27	
	For Aluminum, Anodized Finish, Add	3,101.20	
	For 22 Gauge Steel Ribbed, Heavy Duty Door, Add	1,215.20	
	For 20 Gauge Steel Ribbed, Heavy Duty Door, Add	2,430.41	
	For 18 Gauge Steel Ribbed, Heavy Duty Door, Add	6,319.06	
	For 16 Gauge Steel Ribbed, Heavy Duty Door, Add	12,152.04	

**08 36 13 00-0101 Residential Grade, Galvanized Steel Sectional Overhead Doors** (08 36 13 00-0013)

Note: Includes track and hardware. Excludes frame.

08 36 13 00-0102	EA 9' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,162.49	273.51
	For Aluminum And Fiberglass, Add	148.41	
	For Each Glass Vision Panel In Door, Add	50.00	
	For Insulated Door, Add	172.34	
08 36 13 00-0103	EA 9' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,248.40	273.51
	For Aluminum And Fiberglass, Add	175.04	
	For Each Glass Vision Panel In Door, Add	50.00	
	For Insulated Door, Add	203.27	
08 36 13 00-0104	EA 16' x 7', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,572.24	312.89
	For Aluminum And Fiberglass, Add	245.43	
	For Each Glass Vision Panel In Door, Add	50.00	
	For Insulated Door, Add	285.01	
08 36 13 00-0105	EA 16' x 8', Non-Insulated, 25 Gauge Residential Grade Galvanized Steel Sectional Door, Manual Lift.....	1,707.24	312.89
	For Aluminum And Fiberglass, Add	287.28	
	For Each Glass Vision Panel In Door, Add	50.00	
	For Insulated Door, Add	333.61	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0106		<b>Removal And Reinstallation Of Sectional Metal Overhead Doors And Supports</b> <small>(08 36 13 00-0013)</small> Note: Includes storage, cleaning and supply materials. Removal And Reinstallation Of Sectional Metal Overhead Door And Supports ..... 19.44		
08 36 13 00-0108		<b>Sectional Fiberglass Overhead Doors (Width x Height)</b> <small>(08 36 13)</small> 08 36 13 00-0109 <b>Fiberglass Sectional Overhead Doors</b> <small>(08 36 13 00-0108)</small> 08 36 13 00-0110 <b>Non-Insulated, Fiberglass Sectional Doors</b> <small>(08 36 13 00-0109)</small> Note: Includes 2" door, tracks and hardware. Excludes frame.		
		08 36 13 00-0111 EA 8' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....2,344.06 478.63 08 36 13 00-0112 EA 8' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....2,765.79 547.00 08 36 13 00-0113 EA 8' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....3,301.58 683.76 08 36 13 00-0114 EA 10' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....2,738.42 547.00 08 36 13 00-0115 EA 10' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....3,237.71 615.38 08 36 13 00-0116 EA 10' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....4,106.45 854.70 08 36 13 00-0117 EA 10' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....4,978.95 1,094.01 08 36 13 00-0118 EA 12' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....3,262.80 683.76 08 36 13 00-0119 EA 12' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....4,090.48 854.70 08 36 13 00-0120 EA 12' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....4,908.63 1,025.63 08 36 13 00-0121 EA 12' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....6,067.17 1,367.51 08 36 13 00-0122 EA 12' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....7,094.37 1,641.01 08 36 13 00-0123 EA 14' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....4,060.38 957.25 08 36 13 00-0124 EA 14' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....4,883.15 1,094.01 08 36 13 00-0125 EA 14' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....5,985.06 1,367.51 08 36 13 00-0126 EA 14' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....7,085.24 1,641.01 08 36 13 00-0127 EA 14' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....7,914.59 1,777.76 08 36 13 00-0128 EA 16' x 8', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....4,616.31 1,094.01 08 36 13 00-0129 EA 16' x 10', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....5,492.42 1,230.76 08 36 13 00-0130 EA 16' x 12', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....6,656.38 1,504.26 08 36 13 00-0131 EA 16' x 14', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....7,807.40 1,777.76 08 36 13 00-0132 EA 16' x 16', Non-Insulated, Fiberglass Sectional Door, Manual Lift.....8,686.40 1,914.52		
08 36 13 00-0133		<b>Insulated, Fiberglass Sectional Doors</b> <small>(08 36 13 00-0109)</small> Note: Includes 2" door with polystyrene insulation, tracks and hardware. Excludes frame.		
		08 36 13 00-0134 EA 8' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....2,801.67 478.63 08 36 13 00-0135 EA 8' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....3,317.48 547.00 08 36 13 00-0136 EA 8' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....3,939.82 683.76 08 36 13 00-0137 EA 10' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....3,281.08 547.00 08 36 13 00-0138 EA 10' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....3,900.04 615.38 08 36 13 00-0139 EA 10' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....4,897.48 854.70 08 36 13 00-0140 EA 10' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....5,900.18 1,094.01 08 36 13 00-0141 EA 12' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....3,888.25 683.76 08 36 13 00-0142 EA 12' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....4,876.24 854.70 08 36 13 00-0143 EA 12' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....5,851.69 1,025.63 08 36 13 00-0144 EA 12' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....7,166.78 1,367.51 08 36 13 00-0145 EA 12' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....8,352.79 1,641.01 08 36 13 00-0146 EA 14' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....4,768.61 957.25 08 36 13 00-0147 EA 14' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....5,772.78 1,094.01 08 36 13 00-0148 EA 14' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....7,057.58 1,367.51 08 36 13 00-0149 EA 14' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....8,340.65 1,641.01 08 36 13 00-0150 EA 14' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....9,353.65 1,777.76 08 36 13 00-0151 EA 16' x 8', Insulated, Fiberglass Sectional Door, Manual Lift.....5,417.87 1,094.01 08 36 13 00-0152 EA 16' x 10', Insulated, Fiberglass Sectional Door, Manual Lift.....6,492.69 1,230.76 08 36 13 00-0153 EA 16' x 12', Insulated, Fiberglass Sectional Door, Manual Lift.....7,859.86 1,504.26 08 36 13 00-0154 EA 16' x 14', Insulated, Fiberglass Sectional Door, Manual Lift.....9,211.08 1,777.76 08 36 13 00-0155 EA 16' x 16', Insulated, Fiberglass Sectional Door, Manual Lift.....10,289.53 1,914.52		
08 36 13 00-0156		<b>Sectional Overhead Door Accessories</b> <small>(08 36 13)</small> 08 36 13 00-0157 <b>Sectional Overhead Door Accessories</b> <small>(08 36 13 00-0156)</small>		
		08 36 13 00-0158 LF Flap Seal For Sectional Overhead Doors ..... 4.56 08 36 13 00-0159 LF Weather Seal At Top Of Door For Sectional Overhead Doors..... 6.40 08 36 13 00-0160 LF Astragal Only, Weather Strip At Bottom Of Door For Sectional Overhead Doors ..... 3.89 08 36 13 00-0161 EA Cylinder Lock For Sectional Overhead Doors..... 357.94 08 36 13 00-0162 EA Manual Chain Hoist For Sectional Overhead Doors ..... 707.82 08 36 13 00-0163 EA 3/4 HP, Electric Chain Lift Operator For Sectional Overhead Doors..... 2,748.36 Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator. 08 36 13 00-0164 EA 1/2 HP Trolley Operator For Sectional Overhead Doors..... 1,301.94 Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator. 08 36 13 00-0165 EA 3/4 HP Trolley Operator For Sectional Overhead Doors..... 1,653.20 Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator. For Door Height >12', Add 10.00 Note: Includes motor, supports, push button operator, stationary electronic eye, signal wiring from eye to motor and motor to operator. 08 36 13 00-0166 SF Up To 2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors ..... 38.93 Note: Additional cost for factory supplied.		

**08 Openings****08 30 Specialty Doors and Frames****08 36 Panel Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 36 13 00-0167	SF	>2 SF Per Window 1/8" Double Strength Glass (DSB) Glazing For Sectional Overhead Doors.....	24.28	
		Note: Additional cost for factory supplied.		
08 36 13 00-0168	SF	Up To 2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors .....	40.69	
		Note: Additional cost for factory supplied.		
08 36 13 00-0169	SF	>2 SF Per Window 1/8" Plexiglas Glazing For Sectional Overhead Doors .....	27.74	
		Note: Additional cost for factory supplied.		
08 36 13 00-0170	SF	Up To 2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors .....	65.46	
		Note: Additional cost for factory supplied.		
08 36 13 00-0171	SF	>2 SF Per Window 3/4" Insulated Glazing For Sectional Overhead Doors .....	44.19	
		Note: Additional cost for factory supplied.		
08 36 13 00-0172	EA	Vertical Lift Track For Sectional Overhead Doors Up To 12' High Door .....	646.59	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0173	EA	Vertical Lift Track For Sectional Overhead Doors >12' To 16' High Door .....	1,004.10	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0174	EA	Vertical Lift Track For Sectional Overhead Doors >16' To 20' High Door .....	1,497.69	
		Note: Includes additional installation of vertical track, spring bumpers, counterweights and vertical lift springs.		
08 36 13 00-0175	SF	25,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors .....	1.80	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0176	SF	50,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors .....	2.32	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		
08 36 13 00-0177	SF	100,000 Cycle Spring In Lieu Of 10,000 Cycle For Sectional Overhead Doors .....	3.06	
		Note: Additional cost for factory supplied/installed spring. Per SF of Door.		

**08 38 Traffic Doors** (08 30)**08 38 13 Flexible Strip Doors** (08 38)**08 38 13 00-0001 Clear Polyvinyl Chloride (PVC) Replacement Strips** (08 38 13)

08 38 13 00-0002	EA	8" Smooth Strip, 0.080" Thick, 7' Long, Replacement Strip .....	77.58	38.57
		For Cooler/Freezer Doors, USDA Grade, Add	1.47	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	3.08	
08 38 13 00-0003	EA	8" Smooth Strip, 0.080" Thick, 8' Long, Replacement Strip .....	79.64	38.57
		For Cooler/Freezer Doors, USDA Grade, Add	1.67	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	3.52	
08 38 13 00-0004	EA	12" Smooth Strip, 0.120" Thick, 8' Long, Replacement Strip .....	112.25	47.72
		For Cooler/Freezer Doors, USDA Grade, Add	3.43	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	7.20	
08 38 13 00-0005	EA	12" Smooth Strip, 0.120" Thick, 10' Long, Replacement Strip .....	119.22	47.72
		For Cooler/Freezer Doors, USDA Grade, Add	4.13	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	8.67	
08 38 13 00-0006	EA	12" Smooth Strip, 0.120" Thick, 12' Long, Replacement Strip .....	125.75	47.72
		For Cooler/Freezer Doors, USDA Grade, Add	4.78	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	10.04	
08 38 13 00-0007	EA	16" Smooth Strip, 0.160" Thick, 14' Long, Replacement Strip .....	209.41	48.68
		For Cooler/Freezer Doors, USDA Grade, Add	11.20	
		Note: Low temperature to -40 degree F.		
		For Ribbed Strip Material, Add	23.52	

**08 38 16 Flexible Traffic Doors** (08 38)

Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.

**08 38 16 00-0001 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors (TMI Mega-Pro)** (08 38 16)**08 38 16 00-0002 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0001)**08 38 16 00-0003 Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0002)

08 38 16 00-0004	EA	72" x 84" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	7,826.66	136.75
08 38 16 00-0005	EA	72" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	8,475.93	136.75
08 38 16 00-0006	EA	96" x 96" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	17,831.20	157.27
08 38 16 00-0007	EA	96" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	20,018.05	170.94
08 38 16 00-0008	EA	108" x 108" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	31,254.11	170.94
08 38 16 00-0009	EA	108" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	32,707.65	170.94
08 38 16 00-0010	EA	120" x 120" Opening, Double Door, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	36,383.06	205.13

**08 38 16 00-0011 Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Doors** (08 38 16 00-0002)

08 38 16 00-0012	EA	72" x 84" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	8,730.53	136.75
08 38 16 00-0013	EA	72" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	9,453.56	136.75
08 38 16 00-0014	EA	96" x 96" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	21,160.55	157.27
08 38 16 00-0015	EA	96" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	23,332.62	170.94
08 38 16 00-0016	EA	108" x 108" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door .....	35,055.47	170.94

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 16 00-0017	EA		108" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	36,534.02	170.94
08 38 16 00-0018	EA		120" x 120" Opening, Double Door With Impact Plate, 0.160" Thick, Clear Polyvinyl Chloride (PVC) Flexible Impact Traffic Door.....	40,640.00	205.13
08 38 16 00-0019			<b>0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors (Eliason FMP)</b> <small>(08 38 16)</small> Note: Includes pebble embossed finish and a 14" x 16" vinyl window.		
08 38 16 00-0020			<b>Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0019)</small>		
08 38 16 00-0021			<b>84" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0020)</small>		
08 38 16 00-0022	EA		24" To 36" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,226.02	75.21
08 38 16 00-0023	EA		40" To 44" Width x 84" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,485.09	75.21
08 38 16 00-0024			<b>96" Height, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0020)</small>		
08 38 16 00-0025	EA		24" To 36" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,485.09	75.21
08 38 16 00-0026	EA		40" To 44" Width x 96" Height Opening, Single Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	3,558.16	75.21
08 38 16 00-0027			<b>Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0019)</small>		
08 38 16 00-0028			<b>84" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0027)</small>		
08 38 16 00-0029	EA		48" To 72" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,411.00	129.92
08 38 16 00-0030	EA		80" To 88" Width x 84" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,929.14	129.92
08 38 16 00-0031			<b>96" Height, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors</b> <small>(08 38 16 00-0027)</small>		
08 38 16 00-0032	EA		48" To 72" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	6,929.14	129.92
08 38 16 00-0033	EA		80" To 88" Width x 96" Height Opening, Double Door, 0.240" Thick, Double Ply Vinyl Flexible Impact Traffic Doors.....	7,075.28	129.92
<b>08 38 19</b>			<b>Rigid Traffic Doors</b> <small>(08 38)</small> Note: Impact traffic doors also known as double action traffic doors. Includes hardware. Excludes door frame.		
08 38 19 00-0001			<b>0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors (Eliason LWP-3)</b> <small>(08 38 19)</small> Note: Includes delta formed vertical edges and a 9" x 14" acrylic window.		
08 38 19 00-0002			<b>Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0001)</small>		
08 38 19 00-0003			<b>84" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> <small>(08 38 19 00-0002)</small>		
08 38 19 00-0004	EA		24" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,532.11	75.21
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0005	EA		28" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,651.68	75.21
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0006	EA		30" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,705.03	78.63
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0007	EA		32" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,778.10	78.63
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0008	EA		36" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,858.03	82.05
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0009	EA		40" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,017.46	82.05
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0010	EA		42" x 84" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,084.44	92.31
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0011			<b>96" Height, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0002)		
08 38 19 00-0012	EA		24" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,738.04	75.21
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0013	EA		28" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,831.04	75.21
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0014	EA		30" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,891.03	78.63
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0015	EA		32" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	1,944.17	78.63
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0016	EA		36" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,130.39	82.05
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0017	EA		40" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,170.24	82.05
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0018	EA		42" x 96" Opening, Single Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	2,230.58	92.31
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0019			<b>Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0001)		
08 38 19 00-0020			<b>84" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0019)		
08 38 19 00-0021	EA		48" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,023.18	129.92
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0022	EA		56" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,262.32	129.92
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0023	EA		60" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,355.32	129.92
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0024	EA		64" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,501.46	129.92
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0025	EA		72" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,661.33	136.75
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0026	EA		80" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,980.19	136.75
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0027	EA		84" x 84" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,073.19	136.75
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0028			<b>96" Height, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Doors</b> (08 38 19 00-0019)		
08 38 19 00-0029	EA		48" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,435.03	129.92
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0030	EA		56" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,621.03	129.92
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0031	EA		60" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,727.32	129.92
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0032	EA		64" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	3,833.60	129.92
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0033	EA		72" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,206.04	136.75
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0034	EA		80" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,285.76	136.75
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0035	EA		84" x 96" Opening, Double Door, 0.063" Thick, Satin Anodized Finish, Tempered Aluminum Alloy Impact Traffic Door.....	4,365.47	136.75
			For Each 18" x 30" Window, Add	41.00	
			For Each 14" x 16" Window, Add	22.00	
			For Each 15" x 20" Window, Add	28.00	
08 38 19 00-0036			<b>3/4" Thick, Polymer Cell Core Impact Traffic Doors (Eliason P-11 Plus)</b> <small>(08 38 19)</small>		
			Note: Includes 0.125" thick thermoplastic exterior finish, 14 gauge back channel and a 14" x 16" acrylic window.		
08 38 19 00-0037			<b>Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0036)</small>		
08 38 19 00-0038			<b>84" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0037)</small>		
08 38 19 00-0039	EA		24" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	2,754.38	75.21
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0040	EA		28" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,066.59	75.21
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0041	EA		30" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,199.66	78.63
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0042	EA		32" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,332.51	78.63
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0043	EA		36" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,379.23	82.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0044	EA		40" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,651.58	82.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0045	EA		42" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,917.85	92.31
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0046	EA		44" x 84" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,964.35	92.31
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0047			<b>96" Height, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0037)</small>		
08 38 19 00-0048	EA		24" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,020.10	75.21
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0049	EA		28" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,345.59	75.21
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0050	EA		30" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,478.66	78.63
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0051	EA		32" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,644.72	78.63
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0052	EA		36" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	3,771.16	82.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0053	EA		40" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	4,036.87	82.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0054	EA		42" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	4,163.63	92.31
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0055	EA		44" x 96" Opening, Single Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	4,329.70	92.31
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0056			Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0036)</small>		
08 38 19 00-0057			84" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0058	EA		48" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	5,467.73	129.92
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0059	EA		56" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,092.15	129.92
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0060	EA		60" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,344.58	129.92
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0061	EA		64" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,610.29	129.92
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0062	EA		72" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,703.73	136.75
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0063	EA		80" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,248.44	136.75
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0064	EA		84" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,740.01	136.75
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0065	EA		88" x 84" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,833.01	136.75
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0066			96" Height, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0056)</small>		
08 38 19 00-0067	EA		48" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	5,999.15	129.92
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0068	EA		56" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,650.14	129.92
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0069	EA		60" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	6,902.57	129.92
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0070	EA		64" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,234.71	129.92
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0071	EA		72" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	7,487.58	136.75
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0072	EA		80" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,019.00	136.75
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0073	EA		84" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,231.57	136.75
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0074	EA		88" x 96" Opening, Double Door, 3/4" Thick, Polymer Cell Core Impact Traffic Door.....	8,563.71	136.75
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0075			3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors (Eliason PMP-2) <small>(08 38 19)</small>		
			Note: Includes textured finish, 16 gauge back channel and a 14" x 16" window.		
08 38 19 00-0076			Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0077			84" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors <small>(08 38 19 00-0075)</small>		
08 38 19 00-0078	EA		24" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	3,529.97	75.21
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0079	EA		28" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,017.41	75.21
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0080	EA		30" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,154.24	78.63
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0081	EA		32" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,202.98	78.63
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0082	EA		36" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,258.59	82.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	
08 38 19 00-0083	EA		40" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door.....	4,713.53	82.05
			For Each 18" x 30" Window, Add	19.00	
			For Each 15" x 20" Window, Add	6.00	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 38 19 00-0084	EA	42" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,107.71		92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0085	EA	44" x 84" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,164.58		92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
<b>08 38 19 00-0086</b>		<b>96" Height, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b>			
		<i>(08 38 19 00-0076)</i>			
08 38 19 00-0087	EA	24" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	3,635.58		75.21
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0088	EA	28" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,236.75		75.21
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0089	EA	30" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,381.71		78.63
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0090	EA	32" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,446.70		78.63
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0091	EA	36" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,469.81		82.05
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0092	EA	40" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	4,802.89		82.05
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0093	EA	42" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,188.95		92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0094	EA	44" x 96" Opening, Single Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	5,253.94		92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
<b>08 38 19 00-0095</b>		<b>Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b>			
		<i>(08 38 19 00-0075)</i>			
<b>08 38 19 00-0096</b>		<b>84" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b>			
		<i>(08 38 19 00-0095)</i>			
08 38 19 00-0097	EA	48" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,018.90		129.92
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0098	EA	56" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,993.77		129.92
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0099	EA	60" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,253.74		129.92
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0100	EA	64" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,351.22		129.92
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0101	EA	72" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,462.44		136.75
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0102	EA	80" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,372.32		136.75
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0103	EA	84" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,119.73		136.75
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0104	EA	88" x 84" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	10,233.46		136.75
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
<b>08 38 19 00-0105</b>		<b>96" Height, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Doors</b>			
		<i>(08 38 19 00-0095)</i>			
08 38 19 00-0106	EA	48" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	7,230.12		129.92
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0107	EA	56" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,432.46		129.92
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0108	EA	60" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,708.68		129.92
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0109	EA	64" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,838.66		129.92
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0110	EA	72" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	8,884.89		136.75
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		
08 38 19 00-0111	EA	80" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door	9,551.05		136.75
		<i>For Each 18" x 30" Window, Add</i>	19.00		
		<i>For Each 15" x 20" Window, Add</i>	6.00		

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 38 19 00-0112	EA 84" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	10,282.20 19.00 6.00	136.75
08 38 19 00-0113	EA 88" x 96" Opening, Double Door, 3/4" Thick, Double Ply Acrylonitrile Butadiene Styrene (ABS) Impact Traffic Door ... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	10,412.19 19.00 6.00	136.75
08 38 19 00-0114	1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors (Eliason SCP-2) <small>(08 38 19)</small> Note: Includes 0.032" tempered aluminum alloy top panel, 48" high 16 gauge stainless steel front and galvanized back base plate, 14 gauge galvanized steel back channel and a 9" x 14" window.		
08 38 19 00-0115	Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0116	84" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0117	EA 24" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	3,710.95 41.00 22.00 28.00	75.21
08 38 19 00-0118	EA 28" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,063.01 41.00 22.00 28.00	75.21
08 38 19 00-0119	EA 30" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,162.86 41.00 22.00 28.00	78.63
08 38 19 00-0120	EA 32" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,249.22 41.00 22.00 28.00	78.63
08 38 19 00-0121	EA 36" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,402.22 41.00 22.00 28.00	82.05
08 38 19 00-0122	EA 40" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,568.29 41.00 22.00 28.00	82.05
08 38 19 00-0123	EA 42" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,721.63 41.00 22.00 28.00	92.31
08 38 19 00-0124	EA 44" x 84" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,834.55 41.00 22.00 28.00	92.31
08 38 19 00-0125	96" Height, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0115)</small>		
08 38 19 00-0126	EA 24" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,009.87 41.00 22.00 28.00	75.21
08 38 19 00-0127	EA 28" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,381.87 41.00 22.00 28.00	75.21
08 38 19 00-0128	EA 30" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,488.36 41.00 22.00 28.00	78.63
08 38 19 00-0129	EA 32" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,534.86 41.00 22.00 28.00	78.63
08 38 19 00-0130	EA 36" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,674.57 41.00 22.00 28.00	82.05
08 38 19 00-0131	EA 40" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	4,893.79 41.00 22.00 28.00	82.05
08 38 19 00-0132	EA 42" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	5,020.55 41.00 22.00 28.00	92.31
08 38 19 00-0133	EA 44" x 96" Opening, Single Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 14" x 16" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	5,133.48 41.00 22.00 28.00	92.31

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0134	Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0114)</small>		
08 38 19 00-0135	84" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0136	EA 48" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	7,380.85 41.00 22.00 28.00	129.92
08 38 19 00-0137	EA 56" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	8,084.99 41.00 22.00 28.00	129.92
08 38 19 00-0138	EA 60" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	8,270.98 41.00 22.00 28.00	129.92
08 38 19 00-0139	EA 64" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	8,443.70 41.00 22.00 28.00	129.92
08 38 19 00-0140	EA 72" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	8,749.71 41.00 22.00 28.00	136.75
08 38 19 00-0141	EA 80" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	9,081.85 41.00 22.00 28.00	136.75
08 38 19 00-0142	EA 84" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	9,347.56 41.00 22.00 28.00	136.75
08 38 19 00-0143	EA 88" x 84" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	9,573.42 41.00 22.00 28.00	136.75
08 38 19 00-0144	96" Height, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Doors <small>(08 38 19 00-0134)</small>		
08 38 19 00-0145	EA 48" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	7,978.70 41.00 22.00 28.00	129.92
08 38 19 00-0146	EA 56" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	8,722.69 41.00 22.00 28.00	129.92
08 38 19 00-0147	EA 60" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	8,921.98 41.00 22.00 28.00	129.92
08 38 19 00-0148	EA 64" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	9,014.98 41.00 22.00 28.00	129.92
08 38 19 00-0149	EA 72" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	9,294.42 41.00 22.00 28.00	136.75
08 38 19 00-0150	EA 80" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	9,732.84 41.00 22.00 28.00	136.75
08 38 19 00-0151	EA 84" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	9,945.41 41.00 22.00 28.00	136.75
08 38 19 00-0152	EA 88" x 96" Opening, Double Door, 1" Thick, Exterior Grade Solid Wood Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 14" x 16" Window, Add ..... For Each 15" x 20" Window, Add .....	10,171.27 41.00 22.00 28.00	136.75
08 38 19 00-0153	1-1/2" Thick, Polymer Cell Core Impact Traffic Doors (Eliason HCP-10) <small>(08 38 19)</small> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window and 18" high easy spring bumpers.		
08 38 19 00-0154	Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0153)</small>		
08 38 19 00-0155	84" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors <small>(08 38 19 00-0154)</small>		
08 38 19 00-0156	EA 24" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door ..... For Each 18" x 30" Window, Add ..... For Each 15" x 20" Window, Add .....	3,644.52 19.00 6.00	75.21



**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0157	EA		28" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,837.16	75.21
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0158	EA		30" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,016.72	78.63
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0159	EA		32" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,129.65	78.63
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0160	EA		36" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,415.51	82.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0161	EA		40" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,641.36	82.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0162	EA		42" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,841.20	92.31
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0163	EA		44" x 84" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,053.77	92.31
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
<b>08 38 19 00-0164 90" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b>					
			<small>(08 38 19 00-0154)</small>		
08 38 19 00-0165	EA		24" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	3,777.37	75.21
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0166	EA		28" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,009.87	75.21
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0167	EA		30" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,129.65	78.63
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0168	EA		32" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,289.08	78.63
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0169	EA		36" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,594.86	82.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0170	EA		40" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,867.22	82.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0171	EA		42" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,053.77	92.31
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0172	EA		44" x 90" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,253.05	92.31
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
<b>08 38 19 00-0173 96" Height, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b>					
			<small>(08 38 19 00-0154)</small>		
08 38 19 00-0174	EA		24" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,116.16	75.21
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0175	EA		28" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,162.66	75.21
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0176	EA		30" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,362.15	78.63
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0177	EA		32" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,508.29	78.63
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0178	EA		36" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	4,820.72	82.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0179	EA		40" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,146.21	82.05
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0180	EA		42" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,319.48	92.31
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0181	EA		44" x 96" Opening, Single Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	5,518.76	92.31
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	
<b>08 38 19 00-0182 Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b>					
			<small>(08 38 19 00-0153)</small>		
<b>08 38 19 00-0183 84" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b>					
			<small>(08 38 19 00-0182)</small>		
08 38 19 00-0184	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door.....	7,248.00	129.92
			<i>For Each 18" x 30" Window, Add</i>	19.00	
			<i>For Each 15" x 20" Window, Add</i>	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0185	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	7,633.28 19.00 6.00	129.92
08 38 19 00-0186	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	7,978.70 19.00 6.00	129.92
08 38 19 00-0187	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	8,204.56 19.00 6.00	129.92
08 38 19 00-0188	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	8,776.28 19.00 6.00	136.75
08 38 19 00-0189	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	9,227.99 19.00 6.00	136.75
08 38 19 00-0190	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	9,586.70 19.00 6.00	136.75
08 38 19 00-0191	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	10,011.84 19.00 6.00	136.75
<b>08 38 19 00-0192</b>			<b>90" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0193	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	7,513.71 19.00 6.00	129.92
08 38 19 00-0194	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	7,978.70 19.00 6.00	129.92
08 38 19 00-0195	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	8,204.56 19.00 6.00	129.92
08 38 19 00-0196	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	8,523.41 19.00 6.00	129.92
08 38 19 00-0197	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	9,134.99 19.00 6.00	136.75
08 38 19 00-0198	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	9,679.70 19.00 6.00	136.75
08 38 19 00-0199	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	10,011.84 19.00 6.00	136.75
08 38 19 00-0200	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	10,410.41 19.00 6.00	136.75
<b>08 38 19 00-0201</b>			<b>96" Height, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Doors</b> <small>(08 38 19 00-0182)</small>		
08 38 19 00-0202	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	8,191.27 19.00 6.00	129.92
08 38 19 00-0203	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	8,284.27 19.00 6.00	129.92
08 38 19 00-0204	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	8,669.55 19.00 6.00	129.92
08 38 19 00-0205	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	8,961.83 19.00 6.00	129.92
08 38 19 00-0206	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	9,586.70 19.00 6.00	136.75
08 38 19 00-0207	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	10,237.69 19.00 6.00	136.75
08 38 19 00-0208	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	10,543.26 19.00 6.00	136.75
08 38 19 00-0209	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Polymer Cell Core Impact Traffic Door..... <i>For Each 18" x 30" Window, Add</i> <i>For Each 15" x 20" Window, Add</i>	10,941.83 19.00 6.00	136.75
08 38 19 00-0210			<b>1-1/2" Thick, Urethane Foam Core Impact Traffic Doors (Eliason HFG-10)</b> <small>(08 38 19)</small> Note: Includes 0.125" thick thermoplastic exterior finish, 14" x 16" acrylic window, 18" high easy spring bumpers, and perimeter gasketing.		
08 38 19 00-0211			<b>Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0210)</small>		
08 38 19 00-0212			<b>84" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> <small>(08 38 19 00-0211)</small>		

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 38 19 00-0213	EA	24" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,644.52	75.21
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0214	EA	28" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,837.16	75.21
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0215	EA	30" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,016.72	78.63
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0216	EA	32" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,129.65	78.63
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0217	EA	36" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,415.51	82.05
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0218	EA	40" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,641.36	82.05
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0219	EA	42" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,841.20	92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0220	EA	44" x 84" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,053.77	92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	

**08 38 19 00-0221 90" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors**

08 38 19 00-0222	EA	24" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	3,777.37	75.21
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0223	EA	28" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,009.87	75.21
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0224	EA	30" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,129.65	78.63
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0225	EA	32" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,289.08	78.63
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0226	EA	36" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,594.86	82.05
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0227	EA	40" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,867.22	82.05
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0228	EA	42" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,053.77	92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0229	EA	44" x 90" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,253.05	92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	

**08 38 19 00-0230 96" Height, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors**

08 38 19 00-0231	EA	24" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,116.16	75.21
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0232	EA	28" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,162.66	75.21
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0233	EA	30" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,362.15	78.63
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0234	EA	32" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,508.29	78.63
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0235	EA	36" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	4,820.72	82.05
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0236	EA	40" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,146.21	82.05
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0237	EA	42" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,319.48	92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	
08 38 19 00-0238	EA	44" x 96" Opening, Single Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door	5,518.76	92.31
		<i>For Each 18" x 30" Window, Add</i>	19.00	
		<i>For Each 15" x 20" Window, Add</i>	6.00	

**08 38 19 00-0239 Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors****08 38 19 00-0240 84" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 38 19 00-0241	EA		48" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	7,248.00 19.00 6.00	129.92
08 38 19 00-0242	EA		56" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	7,633.28 19.00 6.00	129.92
08 38 19 00-0243	EA		60" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	7,978.70 19.00 6.00	129.92
08 38 19 00-0244	EA		64" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	8,204.56 19.00 6.00	129.92
08 38 19 00-0245	EA		72" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	8,776.28 19.00 6.00	136.75
08 38 19 00-0246	EA		80" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	9,227.99 19.00 6.00	136.75
08 38 19 00-0247	EA		84" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	9,586.70 19.00 6.00	136.75
08 38 19 00-0248	EA		88" x 84" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	10,011.84 19.00 6.00	136.75
<b>08 38 19 00-0249</b>			<b>90" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> (08 38 19 00-0239)		
08 38 19 00-0250	EA		48" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	7,513.71 19.00 6.00	129.92
08 38 19 00-0251	EA		56" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	7,978.70 19.00 6.00	129.92
08 38 19 00-0252	EA		60" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	8,204.56 19.00 6.00	129.92
08 38 19 00-0253	EA		64" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	8,523.41 19.00 6.00	129.92
08 38 19 00-0254	EA		72" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	9,134.99 19.00 6.00	136.75
08 38 19 00-0255	EA		80" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	9,679.70 19.00 6.00	136.75
08 38 19 00-0256	EA		84" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	10,011.84 19.00 6.00	136.75
08 38 19 00-0257	EA		88" x 90" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	10,410.41 19.00 6.00	136.75
<b>08 38 19 00-0258</b>			<b>96" Height, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Doors</b> (08 38 19 00-0239)		
08 38 19 00-0259	EA		48" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	8,191.27 19.00 6.00	129.92
08 38 19 00-0260	EA		56" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	8,284.27 19.00 6.00	129.92
08 38 19 00-0261	EA		60" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	8,669.55 19.00 6.00	129.92
08 38 19 00-0262	EA		64" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	8,961.83 19.00 6.00	129.92
08 38 19 00-0263	EA		72" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	9,586.70 19.00 6.00	136.75
08 38 19 00-0264	EA		80" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	10,237.69 19.00 6.00	136.75
08 38 19 00-0265	EA		84" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	10,543.26 19.00 6.00	136.75
08 38 19 00-0266	EA		88" x 96" Opening, Double Door, 1-1/2" Thick, Urethane Foam Core Impact Traffic Door..... For Each 18" x 30" Window, Add For Each 15" x 20" Window, Add	10,941.83 19.00 6.00	136.75
08 38 19 00-0267			<b>Rigid Impact Traffic Door Accessories</b> (08 38 19)		
08 38 19 00-0268			<b>Bumper Strips For Impact Traffic Doors</b> (08 38 19 00-0267) Note: Includes two bumpers per set.		
08 38 19 00-0269	SET		24" Wide, Bumper Strips For Impact Traffic Doors.....	300.48	54.70
08 38 19 00-0270	SET		30" Wide, Bumper Strips For Impact Traffic Doors.....	333.70	54.70

**08 Openings**  
**08 30 Specialty Doors and Frames**  
**08 38 Traffic Doors**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 38 19 00-0271	SET	36" Wide, Bumper Strips For Impact Traffic Doors .....		360.27	54.70
08 38 19 00-0272	SET	48" Wide, Bumper Strips For Impact Traffic Doors .....		406.77	54.70
<b>08 38 19 00-0273</b>		<b>Easy Spring Bumpers For Impact Traffic Doors</b> (08 38 19 00-0267)			
		Note: Includes two bumpers per set.			
08 38 19 00-0274	SET	18" Height, Easy Spring Bumpers For Impact Traffic Doors .....		838.55	54.70
08 38 19 00-0275	SET	24" Height, Easy Spring Bumpers For Impact Traffic Doors .....		1,117.55	54.70
08 38 19 00-0276	SET	36" Height, Easy Spring Bumpers For Impact Traffic Doors .....		1,656.61	54.70
08 38 19 00-0277	SET	42" Height, Easy Spring Bumpers For Impact Traffic Doors .....		1,914.68	54.70
08 38 19 00-0278	SET	48" Height, Easy Spring Bumpers For Impact Traffic Doors .....		2,180.39	54.70
<b>08 38 19 00-0279</b>		<b>Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0267)			
		Note: Includes two 0.090" thermoplastic plates per set.			
<b>08 38 19 00-0280</b>		<b>12" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)			
08 38 19 00-0281	SET	24" Wide x 12" High, Impact Traffic Door Scuff Plates.....		360.27	54.70
08 38 19 00-0282	SET	30" Wide x 12" High, Impact Traffic Door Scuff Plates.....		386.84	54.70
08 38 19 00-0283	SET	36" Wide x 12" High, Impact Traffic Door Scuff Plates.....		420.05	54.70
08 38 19 00-0284	SET	42" Wide x 12" High, Impact Traffic Door Scuff Plates.....		466.55	54.70
08 38 19 00-0285	SET	48" Wide x 12" High, Impact Traffic Door Scuff Plates.....		493.12	54.70
<b>08 38 19 00-0286</b>		<b>24" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)			
08 38 19 00-0287	SET	24" Wide x 24" High, Impact Traffic Door Scuff Plates.....		493.12	54.70
08 38 19 00-0288	SET	30" Wide x 24" High, Impact Traffic Door Scuff Plates.....		612.69	54.70
08 38 19 00-0289	SET	36" Wide x 24" High, Impact Traffic Door Scuff Plates.....		679.12	54.70
08 38 19 00-0290	SET	42" Wide x 24" High, Impact Traffic Door Scuff Plates.....		772.12	54.70
08 38 19 00-0291	SET	48" Wide x 24" High, Impact Traffic Door Scuff Plates.....		831.91	54.70
<b>08 38 19 00-0292</b>		<b>30" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)			
08 38 19 00-0293	SET	24" Wide x 30" High, Impact Traffic Door Scuff Plates.....		612.69	54.70
08 38 19 00-0294	SET	30" Wide x 30" High, Impact Traffic Door Scuff Plates.....		718.98	54.70
08 38 19 00-0295	SET	36" Wide x 30" High, Impact Traffic Door Scuff Plates.....		798.69	54.70
08 38 19 00-0296	SET	42" Wide x 30" High, Impact Traffic Door Scuff Plates.....		944.83	54.70
08 38 19 00-0297	SET	48" Wide x 30" High, Impact Traffic Door Scuff Plates.....		1,044.48	54.70
<b>08 38 19 00-0298</b>		<b>36" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)			
08 38 19 00-0299	SET	24" Wide x 36" High, Impact Traffic Door Scuff Plates.....		679.12	54.70
08 38 19 00-0300	SET	30" Wide x 36" High, Impact Traffic Door Scuff Plates.....		798.69	54.70
08 38 19 00-0301	SET	36" Wide x 36" High, Impact Traffic Door Scuff Plates.....		931.55	54.70
08 38 19 00-0302	SET	42" Wide x 36" High, Impact Traffic Door Scuff Plates.....		1,004.62	54.70
08 38 19 00-0303	SET	48" Wide x 36" High, Impact Traffic Door Scuff Plates.....		1,117.55	54.70
<b>08 38 19 00-0304</b>		<b>48" High, Scuff Plates For Impact Traffic Doors</b> (08 38 19 00-0279)			
08 38 19 00-0305	SET	24" Wide x 48" High, Impact Traffic Door Scuff Plates.....		831.91	54.70
08 38 19 00-0306	SET	30" Wide x 48" High, Impact Traffic Door Scuff Plates.....		1,044.48	54.70
08 38 19 00-0307	SET	36" Wide x 48" High, Impact Traffic Door Scuff Plates.....		1,117.55	54.70
08 38 19 00-0308	SET	42" Wide x 48" High, Impact Traffic Door Scuff Plates.....		1,257.04	54.70
08 38 19 00-0309	SET	48" Wide x 48" High, Impact Traffic Door Scuff Plates.....		1,409.83	54.70
<b>08 38 19 00-0310</b>		<b>Base Plates For Impact Traffic Doors</b> (08 38 19 00-0267)			
		Note: Includes two base plates per set.			
<b>08 38 19 00-0311</b>		<b>Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0310)			
<b>08 38 19 00-0312</b>		<b>12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0311)			
08 38 19 00-0313	SET	24" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		346.98	54.70
08 38 19 00-0314	SET	30" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		373.55	54.70
08 38 19 00-0315	SET	36" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		386.84	54.70
08 38 19 00-0316	SET	42" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		446.62	54.70
08 38 19 00-0317	SET	48" Wide x 12" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		473.20	54.70
<b>08 38 19 00-0318</b>		<b>24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0311)			
08 38 19 00-0319	SET	24" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		446.62	54.70
08 38 19 00-0320	SET	30" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		486.48	54.70
08 38 19 00-0321	SET	36" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		526.34	54.70
08 38 19 00-0322	SET	42" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		559.55	54.70
08 38 19 00-0323	SET	48" Wide x 24" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		612.69	54.70
<b>08 38 19 00-0324</b>		<b>30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0311)			
08 38 19 00-0325	SET	24" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		513.05	54.70
08 38 19 00-0326	SET	30" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		546.27	54.70
08 38 19 00-0327	SET	36" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		625.98	54.70
08 38 19 00-0328	SET	42" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		712.34	54.70
08 38 19 00-0329	SET	48" Wide x 30" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....		752.19	54.70



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>08 38 19 00-0330</b>	<b>36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0311)		
08 38 19 00-0331	SET 24" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	546.27	54.70
08 38 19 00-0332	SET 30" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	612.69	54.70
08 38 19 00-0333	SET 36" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	712.34	54.70
08 38 19 00-0334	SET 42" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	792.05	54.70
08 38 19 00-0335	SET 48" Wide x 36" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	838.55	54.70
<b>08 38 19 00-0336</b>	<b>48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0311)		
08 38 19 00-0337	SET 24" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	699.05	54.70
08 38 19 00-0338	SET 30" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	792.05	54.70
08 38 19 00-0339	SET 36" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	918.26	54.70
08 38 19 00-0340	SET 42" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	978.05	54.70
08 38 19 00-0341	SET 48" Wide x 48" High, Galvanized, 18 Gauge Base Plates For Impact Traffic Doors.....	1,057.76	54.70
<b>08 38 19 00-0342</b>	<b>Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0310)		
<b>08 38 19 00-0343</b>	<b>12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0342)		
08 38 19 00-0344	SET 24" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	466.55	54.70
08 38 19 00-0345	SET 30" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	493.12	54.70
08 38 19 00-0346	SET 36" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	572.84	54.70
08 38 19 00-0347	SET 42" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	612.69	54.70
08 38 19 00-0348	SET 48" Wide x 12" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	725.62	54.70
<b>08 38 19 00-0349</b>	<b>24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0342)		
08 38 19 00-0350	SET 24" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	652.55	54.70
08 38 19 00-0351	SET 30" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	772.12	54.70
08 38 19 00-0352	SET 36" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	891.69	54.70
08 38 19 00-0353	SET 42" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,037.83	54.70
08 38 19 00-0354	SET 48" Wide x 24" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,170.69	54.70
<b>08 38 19 00-0355</b>	<b>30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0342)		
08 38 19 00-0356	SET 24" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	745.55	54.70
08 38 19 00-0357	SET 30" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	904.98	54.70
08 38 19 00-0358	SET 36" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,051.12	54.70
08 38 19 00-0359	SET 42" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,203.90	54.70
08 38 19 00-0360	SET 48" Wide x 30" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,383.26	54.70
<b>08 38 19 00-0361</b>	<b>36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0342)		
08 38 19 00-0362	SET 24" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	865.12	54.70
08 38 19 00-0363	SET 30" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,037.83	54.70
08 38 19 00-0364	SET 36" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,237.12	54.70
08 38 19 00-0365	SET 42" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,429.76	54.70
08 38 19 00-0366	SET 48" Wide x 36" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,595.83	54.70
<b>08 38 19 00-0367</b>	<b>48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0342)		
08 38 19 00-0368	SET 24" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,077.69	54.70
08 38 19 00-0369	SET 30" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,489.54	54.70
08 38 19 00-0370	SET 36" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,595.83	54.70
08 38 19 00-0371	SET 42" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	1,914.68	54.70
08 38 19 00-0372	SET 48" Wide x 48" High, Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	2,100.68	54.70
<b>08 38 19 00-0373</b>	<b>One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0310)		
<b>08 38 19 00-0374</b>	<b>12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0373)		
08 38 19 00-0375	SET 24" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	413.41	54.70
08 38 19 00-0376	SET 30" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	446.62	54.70
08 38 19 00-0377	SET 36" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	486.48	54.70
08 38 19 00-0378	SET 42" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	532.98	54.70
08 38 19 00-0379	SET 48" Wide x 12" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	606.05	54.70
<b>08 38 19 00-0380</b>	<b>24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0373)		
08 38 19 00-0381	SET 24" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	559.55	54.70
08 38 19 00-0382	SET 30" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	639.27	54.70
08 38 19 00-0383	SET 36" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	718.98	54.70
08 38 19 00-0384	SET 42" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	805.34	54.70
08 38 19 00-0385	SET 48" Wide x 24" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors.....	904.98	54.70

**08 Openings****08 30 Specialty Doors and Frames****08 38 Traffic Doors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
<b>08 38 19 00-0386</b>	<b>30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0373)		
08 38 19 00-0387	SET 24" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	639.27	54.70
08 38 19 00-0388	SET 30" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	738.91	54.70
08 38 19 00-0389	SET 36" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	851.83	54.70
08 38 19 00-0390	SET 42" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	991.33	54.70
08 38 19 00-0391	SET 48" Wide x 30" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	1,084.33	54.70
<b>08 38 19 00-0392</b>	<b>36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0373)		
08 38 19 00-0393	SET 24" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	718.98	54.70
08 38 19 00-0394	SET 30" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	851.83	54.70
08 38 19 00-0395	SET 36" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	991.33	54.70
08 38 19 00-0396	SET 42" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	1,130.83	54.70
08 38 19 00-0397	SET 48" Wide x 36" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	1,230.47	54.70
<b>08 38 19 00-0398</b>	<b>48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors</b> (08 38 19 00-0373)		
08 38 19 00-0399	SET 24" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	904.98	54.70
08 38 19 00-0400	SET 30" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	1,110.90	54.70
08 38 19 00-0401	SET 36" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	1,230.47	54.70
08 38 19 00-0402	SET 42" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	1,469.61	54.70
08 38 19 00-0403	SET 48" Wide x 48" High, One Galvanized And One Stainless Steel, 18 Gauge Base Plates For Impact Traffic Doors .....	1,536.04	54.70
<b>08 38 19 00-0404</b>	<b>Jamb Guards For Impact Traffic Doors</b> (08 38 19 00-0267)		
08 38 19 00-0405	EA 3" x 9", Jamb Guard For Impact Traffic Doors .....	566.59	68.38
08 38 19 00-0406	EA 5" x 18", Jamb Guard For Impact Traffic Doors .....	765.87	68.38
08 38 19 00-0407	EA 5" x 18", Stainless Steel Jamb Guard For Impact Traffic Doors.....	1,496.58	68.38
<b>08 38 19 00-0408</b>	<b>Other Impact Traffic Door Accessories</b> (08 38 19 00-0267)		
08 38 19 00-0409	EA Push Plate For Impact Traffic Doors.....	140.47	34.19
08 38 19 00-0410	EA Pull Handle For Impact Traffic Doors .....	186.97	34.19
08 38 19 00-0411	EA Deadbolt Lock For Impact Traffic Doors .....	472.61	34.19
08 38 19 00-0412	PR Lock Hole Reinforcements For Impact Traffic Doors .....	592.18	34.19
08 38 19 00-0413	PR Padlock Brackets For Impact Traffic Doors.....	233.47	34.19
<b>08 38 19 00-0414</b>	<b>Impact Traffic Door Knock Down Frames</b> (08 38 19)		
Note: Frames are 16 gauge galvanized steel with reinforcement at hardware locations.			
<b>08 38 19 00-0415</b>	<b>Single Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0414)		
<b>08 38 19 00-0416</b>	<b>84" Height, Single Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0415)		
08 38 19 00-0417	EA 24" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,391.60	102.56
08 38 19 00-0418	EA 28" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,638.10	112.82
08 38 19 00-0419	EA 30" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,674.34	119.66
08 38 19 00-0420	EA 32" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,714.60	129.92
08 38 19 00-0421	EA 36" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,753.72	136.75
08 38 19 00-0422	EA 40" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,828.31	143.59
08 38 19 00-0423	EA 42" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,882.76	150.43
08 38 19 00-0424	EA 44" x 84" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,918.75	157.27
<b>08 38 19 00-0425</b>	<b>90" Height, Single Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0415)		
08 38 19 00-0426	EA 24" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,421.23	102.56
08 38 19 00-0427	EA 28" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,673.37	112.82
08 38 19 00-0428	EA 30" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,710.23	119.66
08 38 19 00-0429	EA 32" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,750.97	129.92
08 38 19 00-0430	EA 36" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,790.72	136.75
08 38 19 00-0431	EA 40" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,866.84	143.59
08 38 19 00-0432	EA 42" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,922.29	150.43
08 38 19 00-0433	EA 44" x 90" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,958.88	157.27
<b>08 38 19 00-0434</b>	<b>96" Height, Single Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0415)		
08 38 19 00-0435	EA 24" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,460.62	102.56
08 38 19 00-0436	EA 28" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,720.27	112.82
08 38 19 00-0437	EA 30" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,757.86	119.66
08 38 19 00-0438	EA 32" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,787.61	129.92
08 38 19 00-0439	EA 36" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,839.88	136.75
08 38 19 00-0440	EA 40" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,905.36	143.59
08 38 19 00-0441	EA 42" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	1,974.83	150.43
08 38 19 00-0442	EA 44" x 96" Opening, Single Door, Impact Traffic Door Knock Down Frame.....	2,015.07	153.85
<b>08 38 19 00-0443</b>	<b>Double Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0414)		
<b>08 38 19 00-0444</b>	<b>84" Height, Double Door, Impact Traffic Door Knock Down Frames</b> (08 38 19 00-0443)		
08 38 19 00-0445	EA 48" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame.....	1,952.96	157.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 38 19 00-0446	EA	56" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame		1,984.13	160.00
08 38 19 00-0447	EA	60" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,023.11	164.10
08 38 19 00-0448	EA	64" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,074.97	170.94
08 38 19 00-0449	EA	72" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,106.92	177.78
08 38 19 00-0450	EA	80" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,178.75	179.14
08 38 19 00-0451	EA	84" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,226.79	181.20
08 38 19 00-0452	EA	88" x 84" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,284.54	184.62

**08 38 19 00-0453 90" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)**

08 38 19 00-0454	EA	48" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame		1,993.88	157.27
08 38 19 00-0455	EA	56" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,025.65	160.00
08 38 19 00-0456	EA	60" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,065.49	164.10
08 38 19 00-0457	EA	64" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,118.28	170.94
08 38 19 00-0458	EA	72" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,150.76	177.78
08 38 19 00-0459	EA	80" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,224.25	179.14
08 38 19 00-0460	EA	84" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,273.39	181.20
08 38 19 00-0461	EA	88" x 90" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,332.43	184.62

**08 38 19 00-0462 96" Height, Double Door, Impact Traffic Door Knock Down Frames (08 38 19 00-0443)**

08 38 19 00-0463	EA	48" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,041.65	157.27
08 38 19 00-0464	EA	56" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,067.10	160.00
08 38 19 00-0465	EA	60" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,121.75	164.10
08 38 19 00-0466	EA	64" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,161.60	170.94
08 38 19 00-0467	EA	72" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,208.89	177.78
08 38 19 00-0468	EA	80" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,291.34	179.14
08 38 19 00-0469	EA	84" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,335.30	181.20
08 38 19 00-0470	EA	88" x 96" Opening, Double Door, Impact Traffic Door Knock Down Frame		2,384.84	184.62

**08 40 Entrances, Storefronts, and Curtain Walls (08)**

**08 42 Entrances (08 40)**

**08 42 13 Aluminum-Framed Entrances (08 42)**

**08 42 13 00-0001 Aluminum Framed Entrance Doors (08 42 13)**

Note: Includes frame, trim, necessary anchors, tempered glass, standard hardware (hinges, pull handle, push plate, threshold, door sweep) and prepared for panic device. Fixed doors mullion (on pairs). Excludes exit device and closer. See CSI section 08 71 11 00-2085 for exit device, 08 71 11 00-2221 for closer.

08 42 13 00-0002	EA	3' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors		8,524.70	1,222.92
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add		742.73	
		For Black Finish, Add		2,133.17	
		For 8' High Door, Add		769.49	
		For 10' High Door, Add		1,672.81	
		For 1" Insulated Glazing, Add		166.25	
08 42 13 00-0003	EA	3'-6" x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors		8,751.40	1,343.93
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add		747.54	
		For Black Finish, Add		2,146.99	
		For 8' High Door, Add		774.48	
		For 10' High Door, Add		1,683.65	
		For 1" Insulated Glazing, Add		166.25	
08 42 13 00-0004	PR	6' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors		14,338.51	1,834.01
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add		1,286.91	
		For Black Finish, Add		3,696.11	
		For 8' High Door, Add		1,333.29	
		For 10' High Door, Add		2,898.45	
		For 1" Insulated Glazing, Add		332.50	
08 42 13 00-0005	PR	7' x 7' x 1-3/4" Medium Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors		16,733.92	1,998.47
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add		1,523.70	
		For Black Finish, Add		4,376.18	
		For 8' High Door, Add		1,578.61	
		For 10' High Door, Add		3,431.76	
		For 1" Insulated Glazing, Add		332.50	
08 42 13 00-0006	EA	3' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors		9,435.23	1,222.92
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add		843.80	
		For Black Finish, Add		2,423.44	
		For 8' High Door, Add		874.20	
		For 10' High Door, Add		1,900.44	
		For 1" Insulated Glazing, Add		166.25	
08 42 13 00-0007	EA	3'-6" x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors		9,718.29	1,343.93
		Note: Including Glazing, Trim And Hardware			
		For Bronze Finish, Add		854.87	
		For Black Finish, Add		2,455.24	
		For 8' High Door, Add		885.67	
		For 10' High Door, Add		1,925.37	
		For 1" Insulated Glazing, Add		166.25	

**08 Openings****08 40 Entrances, Storefronts, and Curtain Walls****08 42 Entrances**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 42 13 00-0008	PR	6' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	16,059.84	1,834.01
		Note: Including Glazing, Trim And Hardware		
		For Bronze Finish, Add	1,477.98	
		For Black Finish, Add	4,244.87	
		For 8' High Door, Add	1,531.24	
		For 10' High Door, Add	3,328.79	
		For 1" Insulated Glazing, Add	332.50	
08 42 13 00-0009	PR	7' x 7' x 1-3/4" Wide Stile, Clear Anodized Finish, Aluminum Framed Entrance Doors	18,405.00	1,998.47
		Note: Including Glazing, Trim And Hardware		
		For Bronze Finish, Add	1,709.19	
		For Black Finish, Add	4,908.92	
		For 8' High Door, Add	1,770.78	
		For 10' High Door, Add	3,849.53	
		For 1" Insulated Glazing, Add	332.50	

**08 42 29 Automatic Entrances (08 42)****08 42 29 33 Swinging Automatic Entrances (08 42 29)**

Note: Excludes glazing.

08 42 29 33-0001		Swing Door Operators, Up To 350 LB Panel Weight (08 42 29 33)		
		Note: Includes electro-mechanical swinging door operator and electrical controls, aluminum header, connecting hardware, actuating controls, and on/off/hold open switch. Excludes activation device, doors, and power connection. Stanley Magic Force or equal.		
08 42 29 33-0002	EA	Concealed Single Door Swing Door Operator, Up To 350 LB Panel	4,974.77	770.72
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0003	EA	Concealed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	8,409.01	1,027.68
		Note: For new storefront or existing concealed operator installations.		
08 42 29 33-0004	EA	Exposed Single Door Swing Door Operator, Up To 350 LB Panel	4,124.82	616.58
08 42 29 33-0005	EA	Exposed Pair Of Doors Swing Door Operator, Up To 350 LB Panel	7,323.96	924.87
08 42 29 33-0006		Activation Devices For Door Operators (08 42 29 33)		
08 42 29 33-0007	EA	Overhead Active Infrared Presence Detector For Door Operators (MS Sedco DH97)	503.40	61.66
		Note: Includes wiring harness and relays.		
08 42 29 33-0008	EA	On Door Active Infrared Presence Detector For Door Operator (Stanley Sentrex RS)	449.52	61.66
		Note: Includes wiring harness and relays.		
08 42 29 33-0009	EA	Microwave Motion Sensor For Door Operator (MS Sedco D38)	453.82	61.66
		Note: Includes wiring harness and relays.		
08 42 29 33-0010	EA	4" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59-H)	230.87	61.66
		Note: Excludes wiring from operator to push plate.		
08 42 29 33-0011	EA	1-1/2" x 4", Americans With Disabilities Act Compliant Push Button For Door Operator (MS Sedco 59J-H)	246.49	61.66
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0012	EA	1-1/16" x 4-1/2", Jamb Mounted Push Button For Door Operator (MS Sedco 425)	170.64	61.66
		Note: Excludes wiring from operator to push button.		
08 42 29 33-0013	EA	Radio Control System For Door Operator (MS Sedco Clearpath)	824.35	154.14
		Note: Includes receiver and two push plate transmitters.		
		For Single Transmitter (Includes Receiver, One Push Plate Transmitter, And One Jamb Mounted Push Button), Deduct	-64.00	
08 42 29 33-0014	EA	Combination Digital Camera/Motion Detector For Door Operators (Stanley StanVision)	1,064.33	77.07
		Note: Includes wiring harness and relays.		
08 42 29 33-0015	EA	Guard Rail For Door With Operator	302.19	77.07
08 42 29 33-0016		Low Energy Door Operators (Norton LEO™ 5700 Series) (08 42 29 33)		
		Note: Operates as mechanical surface close during close cycles, when door is opened manually or if power is turned off. Includes push and pull arms, inverter, motor and Norton 1601 closer body. Excludes activation device and door.		
08 42 29 33-0017	EA	Single Door, Universal Low Energy Power Door Operator (Norton LEO™ 5741-PC-A)	5,026.65	154.14

**08 43 Storefronts (08 40)****08 43 13 Aluminum-Framed Storefronts (08 43)**

08 43 13 00-0001		Aluminum Storefront Framing Assembly (08 43 13)		
		Note: Includes frames, fasteners and accessories. Excludes steel reinforcement, doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 13 00-0002	SF	Aluminum Storefront Framing Assembly	64.28	8.80
		For Various Color Class I Anodized Finish, Add	3.06	
		For Black Color Class I Anodized Finish, Add	9.17	
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	5.10	

**08 43 19 Stainless-Steel-Framed Storefronts (08 43)**

08 43 19 00-0001		Stainless Steel Storefront Framing Assembly (08 43 19)		
		Note: Includes frames, reinforcing and accessories. Excludes doors (revolving, full-glass, balanced, sliding, bi-parting, etc.) and glazing. Per SF of opening area. See CSI section 08 81 23 23-0051 for insulated glazing.		
08 43 19 00-0002	SF	Stainless Steel Storefront Framing Assembly	60.83	9.17
		For 70% Fluoropolymer Exterior Finish (Duranar), Add	4.69	

**08 50 Windows (08)**

Note: Includes hardware, caulk, sealant and mounting anchors. Operable windows include weather stripping. Demolition includes removal of frame, glass and insect screens.

**08 51 Metal Windows (08 50)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 51 13 Aluminum Windows** (08 51)

See CSI section 08 80 00 00-0000 for for glazing.

08 51 13 00-0001			<b>Aluminum Windows</b> <small>(08 51 13)</small> Note: Includes standard acrylic paint finish. Excludes glazing, panning and aluminum trim.		
08 51 13 00-0002			<b>Single Hung Aluminum Windows</b> <small>(08 51 13 00-0001)</small>		
08 51 13 00-0003			<b>2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400)</b> <small>(08 51 13 00-0002)</small>		
08 51 13 00-0004	EA		Up To 6 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	907.27	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	13.77	
			For 70% Fluoropolymer Finish (Duramar), Add	41.31	
			For Clear Anodized Finish, Add	34.42	
			For Color Anodized Finish, Add	48.19	
08 51 13 00-0005	EA		>6 To 10 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	1,027.21	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	15.89	
			For 70% Fluoropolymer Finish (Duramar), Add	47.68	
			For Clear Anodized Finish, Add	39.74	
			For Color Anodized Finish, Add	55.63	
08 51 13 00-0006	EA		>10 To 15 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	1,128.69	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	17.65	
			For 70% Fluoropolymer Finish (Duramar), Add	52.95	
			For Clear Anodized Finish, Add	44.13	
			For Color Anodized Finish, Add	61.78	
08 51 13 00-0007	EA		>15 To 20 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	1,211.66	155.89
			For 50% Fluoropolymer Finish (Acrynar), Add	19.04	
			For 70% Fluoropolymer Finish (Duramar), Add	57.11	
			For Clear Anodized Finish, Add	47.59	
			For Color Anodized Finish, Add	66.63	
08 51 13 00-0008	EA		>20 To 30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	1,405.54	164.10
			For 50% Fluoropolymer Finish (Acrynar), Add	22.64	
			For 70% Fluoropolymer Finish (Duramar), Add	67.92	
			For Clear Anodized Finish, Add	56.60	
			For Color Anodized Finish, Add	79.24	
08 51 13 00-0009	SF		>30 SF, 2-3/4" Frame Depth, C 35, Tilt In Sash, Single Hung Aluminum Window (Traco TR-5400).....	45.96	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	0.76	
			For 70% Fluoropolymer Finish (Duramar), Add	2.27	
			For Clear Anodized Finish, Add	1.89	
			For Color Anodized Finish, Add	2.64	
08 51 13 00-0010			<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100)</b> <small>(08 51 13 00-0002)</small>		
08 51 13 00-0011	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,397.05	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	23.56	
			For 70% Fluoropolymer Finish (Duramar), Add	70.69	
			For Clear Anodized Finish, Add	58.91	
			For Color Anodized Finish, Add	82.48	
08 51 13 00-0012	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,558.58	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	26.52	
			For 70% Fluoropolymer Finish (Duramar), Add	79.57	
			For Clear Anodized Finish, Add	66.31	
			For Color Anodized Finish, Add	92.83	
08 51 13 00-0013	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,692.39	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	28.92	
			For 70% Fluoropolymer Finish (Duramar), Add	86.77	
			For Clear Anodized Finish, Add	72.31	
			For Color Anodized Finish, Add	101.24	
08 51 13 00-0014	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	1,821.58	155.89
			For 50% Fluoropolymer Finish (Acrynar), Add	31.24	
			For 70% Fluoropolymer Finish (Duramar), Add	93.71	
			For Clear Anodized Finish, Add	78.09	
			For Color Anodized Finish, Add	109.32	
08 51 13 00-0015	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	2,181.80	164.10
			For 50% Fluoropolymer Finish (Acrynar), Add	38.17	
			For 70% Fluoropolymer Finish (Duramar), Add	114.50	
			For Clear Anodized Finish, Add	95.41	
			For Color Anodized Finish, Add	133.58	
08 51 13 00-0016	SF		>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9100).....	71.83	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	1.27	
			For 70% Fluoropolymer Finish (Duramar), Add	3.82	
			For Clear Anodized Finish, Add	3.18	
			For Color Anodized Finish, Add	4.45	
08 51 13 00-0017			<b>3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> <small>(08 51 13 00-0002)</small>		
08 51 13 00-0018	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,480.22	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	25.23	
			For 70% Fluoropolymer Finish (Duramar), Add	75.68	
			For Clear Anodized Finish, Add	63.07	
			For Color Anodized Finish, Add	88.30	
08 51 13 00-0019	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700).....	1,674.09	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	28.83	
			For 70% Fluoropolymer Finish (Duramar), Add	86.50	
			For Clear Anodized Finish, Add	72.08	
			For Color Anodized Finish, Add	100.91	



**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0020	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,831.01 31.70 95.09 79.24 110.94	147.70
08 51 13 00-0021	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,983.30 34.47 103.41 86.17 120.64	155.89
08 51 13 00-0022	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,380.48 42.14 126.42 105.35 147.49	164.10
08 51 13 00-0023	SF		>30 SF, 3-1/4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	78.44 1.40 4.21 3.51 4.92	4.92
08 51 13 00-0024			<b>4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700)</b> (08 51 13 00-0002)		
08 51 13 00-0025	EA		Up To 6 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,637.32 28.37 85.11 70.93 99.30	131.28
08 51 13 00-0026	EA		>6 To 10 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,891.26 33.18 99.53 82.94 116.11	139.49
08 51 13 00-0027	EA		>10 To 15 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,052.80 36.13 108.40 90.33 126.46	147.70
08 51 13 00-0028	EA		>15 To 20 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,205.08 38.91 116.72 97.26 136.17	155.89
08 51 13 00-0029	EA		>20 To 30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	2,569.92 45.93 137.78 114.82 160.75	164.10
08 51 13 00-0030	SF		>30 SF, 4" Frame Depth, HC 40, Side Loading Sash, Single Hung Aluminum Window (Traco TR-9700) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	84.77 1.53 4.59 3.83 5.36	4.92
08 51 13 00-0031			<b>Double Hung Aluminum Windows</b> (08 51 13 00-0001)		
08 51 13 00-0032			<b>3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000)</b> (08 51 13 00-0031)		
08 51 13 00-0033	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,032.03 16.26 48.79 40.66 56.93	131.28
08 51 13 00-0034	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,147.35 18.30 54.89 45.74 64.04	139.49
08 51 13 00-0035	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,244.20 19.96 59.88 49.90 69.86	147.70
08 51 13 00-0036	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,345.66 21.72 65.15 54.29 76.01	155.89
08 51 13 00-0037	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	1,585.75 26.24 78.73 65.61 91.86	164.10
08 51 13 00-0038	SF		>30 SF, 3-1/4" Frame Depth, C 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-5000) ..... For 50% Fluoropolymer Finish (Acrynar), Add For 70% Fluoropolymer Finish (Durandar), Add For Clear Anodized Finish, Add For Color Anodized Finish, Add	51.97 0.88 2.63 2.19 3.06	4.92

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 51 13 00-0039 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000)** (08 51 13 00-0031)

08 51 13 00-0040	EA		Up To 6 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,295.40	131.28
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	21.53	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	64.60	
			<i>For Clear Anodized Finish, Add</i>	53.83	
			<i>For Color Anodized Finish, Add</i>	75.36	
08 51 13 00-0041	EA		>6 To 10 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,512.37	139.49
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.60	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	76.79	
			<i>For Clear Anodized Finish, Add</i>	63.99	
			<i>For Color Anodized Finish, Add</i>	89.59	
08 51 13 00-0042	EA		>10 To 15 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,687.77	147.70
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	28.83	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	86.50	
			<i>For Clear Anodized Finish, Add</i>	72.08	
			<i>For Color Anodized Finish, Add</i>	100.91	
08 51 13 00-0043	EA		>15 To 20 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	1,886.26	155.89
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	32.53	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	97.59	
			<i>For Clear Anodized Finish, Add</i>	81.32	
			<i>For Color Anodized Finish, Add</i>	113.85	
08 51 13 00-0044	EA		>20 To 30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	2,255.73	164.10
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	39.64	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	118.93	
			<i>For Clear Anodized Finish, Add</i>	99.11	
			<i>For Color Anodized Finish, Add</i>	138.76	
08 51 13 00-0045	SF		>30 SF, 4" Frame Depth, HC 45, Tilt In Sash, Double Hung Aluminum Window (Traco TR-9000).....	74.28	4.92
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.32	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	3.96	
			<i>For Clear Anodized Finish, Add</i>	3.30	
			<i>For Color Anodized Finish, Add</i>	4.62	

**08 51 13 00-0046 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400)** (08 51 13 00-0031)

08 51 13 00-0047	EA		Up To 6 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,660.42	131.28
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	28.83	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	86.50	
			<i>For Clear Anodized Finish, Add</i>	72.08	
			<i>For Color Anodized Finish, Add</i>	100.91	
08 51 13 00-0048	EA		>6 To 10 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	1,914.36	139.49
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	33.64	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	100.91	
			<i>For Clear Anodized Finish, Add</i>	84.09	
			<i>For Color Anodized Finish, Add</i>	117.73	
08 51 13 00-0049	EA		>10 To 15 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	2,126.72	147.70
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	37.61	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	112.83	
			<i>For Clear Anodized Finish, Add</i>	94.03	
			<i>For Color Anodized Finish, Add</i>	131.64	
08 51 13 00-0050	EA		>15 To 20 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	2,334.46	155.89
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	41.49	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	124.48	
			<i>For Clear Anodized Finish, Add</i>	103.73	
			<i>For Color Anodized Finish, Add</i>	145.22	
08 51 13 00-0051	EA		>20 To 30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	2,842.54	164.10
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	51.38	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	154.14	
			<i>For Clear Anodized Finish, Add</i>	128.45	
			<i>For Color Anodized Finish, Add</i>	179.83	
08 51 13 00-0052	SF		>30 SF, 4" Frame Depth, HC 50, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9400).....	93.83	4.92
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.71	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	5.14	
			<i>For Clear Anodized Finish, Add</i>	4.28	
			<i>For Color Anodized Finish, Add</i>	5.99	

**08 51 13 00-0053 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900)** (08 51 13 00-0031)

08 51 13 00-0054	EA		Up To 10 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	2,649.03	139.49
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	48.33	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	144.99	
			<i>For Clear Anodized Finish, Add</i>	120.83	
			<i>For Color Anodized Finish, Add</i>	169.16	
08 51 13 00-0055	EA		>10 To 15 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	2,907.60	147.70
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	53.23	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	159.69	
			<i>For Clear Anodized Finish, Add</i>	133.07	
			<i>For Color Anodized Finish, Add</i>	186.30	
08 51 13 00-0056	EA		>15 To 20 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	3,212.36	155.89
			<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	59.05	
			<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	177.15	
			<i>For Clear Anodized Finish, Add</i>	147.63	
			<i>For Color Anodized Finish, Add</i>	206.68	

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 51 13 00-0057	EA >20 To 30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	3,729.68	164.10
	For 50% Fluoropolymer Finish (Acrynar), Add	69.12	
	For 70% Fluoropolymer Finish (Durandar), Add	207.37	
	For Clear Anodized Finish, Add	172.81	
	For Color Anodized Finish, Add	241.93	
08 51 13 00-0058	SF >30 SF, 4-1/2" Frame Depth, HC 65, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9900).....	123.26	4.92
	For 50% Fluoropolymer Finish (Acrynar), Add	2.30	
	For 70% Fluoropolymer Finish (Durandar), Add	6.90	
	For Clear Anodized Finish, Add	5.75	
	For Color Anodized Finish, Add	8.05	
08 51 13 00-0059	5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600) (08 51 13 00-0031)		
08 51 13 00-0060	EA Up To 10 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	3,693.27	139.49
	For 50% Fluoropolymer Finish (Acrynar), Add	69.22	
	For 70% Fluoropolymer Finish (Durandar), Add	207.65	
	For Clear Anodized Finish, Add	173.04	
	For Color Anodized Finish, Add	242.26	
08 51 13 00-0061	EA >10 To 15 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	3,984.18	147.70
	For 50% Fluoropolymer Finish (Acrynar), Add	74.76	
	For 70% Fluoropolymer Finish (Durandar), Add	224.28	
	For Clear Anodized Finish, Add	186.90	
	For Color Anodized Finish, Add	261.66	
08 51 13 00-0062	EA >15 To 20 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	4,316.67	155.89
	For 50% Fluoropolymer Finish (Acrynar), Add	81.14	
	For 70% Fluoropolymer Finish (Durandar), Add	243.41	
	For Clear Anodized Finish, Add	202.84	
	For Color Anodized Finish, Add	283.98	
08 51 13 00-0063	EA >20 To 30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	4,898.68	164.10
	For 50% Fluoropolymer Finish (Acrynar), Add	92.50	
	For 70% Fluoropolymer Finish (Durandar), Add	277.51	
	For Clear Anodized Finish, Add	231.26	
	For Color Anodized Finish, Add	323.76	
08 51 13 00-0064	SF >30 SF, 5-1/4" Frame Depth, HC 80, Side Loading Sash, Double Hung Aluminum Window (Traco TR-9600).....	162.54	4.92
	For 50% Fluoropolymer Finish (Acrynar), Add	3.09	
	For 70% Fluoropolymer Finish (Durandar), Add	9.26	
	For Clear Anodized Finish, Add	7.72	
	For Color Anodized Finish, Add	10.80	
08 51 13 00-0065	Horizontal Sliding Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0066	One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Windows (08 51 13 00-0065)		
08 51 13 00-0067	2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400) (08 51 13 00-0066)		
08 51 13 00-0068	EA Up To 6 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	930.37	131.28
	For 50% Fluoropolymer Finish (Acrynar), Add	14.23	
	For 70% Fluoropolymer Finish (Durandar), Add	42.69	
	For Clear Anodized Finish, Add	35.58	
	For Color Anodized Finish, Add	49.81	
08 51 13 00-0069	EA >6 To 10 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,054.94	139.49
	For 50% Fluoropolymer Finish (Acrynar), Add	16.45	
	For 70% Fluoropolymer Finish (Durandar), Add	49.35	
	For Clear Anodized Finish, Add	41.12	
	For Color Anodized Finish, Add	57.57	
08 51 13 00-0070	EA >10 To 15 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,147.17	147.70
	For 50% Fluoropolymer Finish (Acrynar), Add	18.02	
	For 70% Fluoropolymer Finish (Durandar), Add	54.06	
	For Clear Anodized Finish, Add	45.05	
	For Color Anodized Finish, Add	63.07	
08 51 13 00-0071	EA >15 To 20 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,244.01	155.89
	For 50% Fluoropolymer Finish (Acrynar), Add	19.68	
	For 70% Fluoropolymer Finish (Durandar), Add	59.05	
	For Clear Anodized Finish, Add	49.21	
	For Color Anodized Finish, Add	68.89	
08 51 13 00-0072	EA >20 To 30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	1,447.13	164.10
	For 50% Fluoropolymer Finish (Acrynar), Add	23.47	
	For 70% Fluoropolymer Finish (Durandar), Add	70.42	
	For Clear Anodized Finish, Add	58.68	
	For Color Anodized Finish, Add	82.15	
08 51 13 00-0073	SF >30 SF, 2-3/4" Frame Depth, C 40, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6400).....	47.35	4.92
	For 50% Fluoropolymer Finish (Acrynar), Add	0.78	
	For 70% Fluoropolymer Finish (Durandar), Add	2.35	
	For Clear Anodized Finish, Add	1.96	
	For Color Anodized Finish, Add	2.74	
08 51 13 00-0074	3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) (08 51 13 00-0066)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0075	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,517.18 25.97 77.90 64.92 90.89	131.28
08 51 13 00-0076	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,715.68 29.66 88.99 74.16 103.82	139.49
08 51 13 00-0077	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,872.59 32.53 97.59 81.32 113.85	147.70
08 51 13 00-0078	EA		>15 To 20 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,024.88 35.30 105.90 88.25 123.55	155.89
08 51 13 00-0079	EA		>20 To 30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,362.00 41.77 125.31 104.42 146.19	164.10
08 51 13 00-0080	SF		>30 SF, 3-1/4" Frame Depth, HC 60, One Rolling Sash And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6800) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	77.84 1.39 4.18 3.48 4.87	4.92
08 51 13 00-0081			<b>Two Rolling Sashes, Horizontal Sliding Aluminum Windows</b> <small>(08 51 13 00-0065)</small>		
08 51 13 00-0082			<b>3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000)</b> <small>(08 51 13 00-0081)</small>		
08 51 13 00-0083	EA		Up To 6 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,050.51 16.63 49.90 41.59 58.22	131.28
08 51 13 00-0084	EA		>6 To 10 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,212.04 19.59 58.77 48.98 68.57	139.49
08 51 13 00-0085	EA		>10 To 15 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,318.13 21.44 64.32 53.60 75.04	147.70
08 51 13 00-0086	EA		>15 To 20 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,405.73 22.92 68.75 57.30 80.21	155.89
08 51 13 00-0087	EA		>20 To 30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,636.57 27.26 81.78 68.15 95.41	164.10
08 51 13 00-0088	SF		>30 SF, 3-1/4" Frame Depth, C 45, Two Rolling Sashes, Horizontal Sliding Aluminum Window (Traco TR-6000) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	53.63 0.91 2.73 2.27 3.18	4.92
08 51 13 00-0089			<b>Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Windows</b> <small>(08 51 13 00-0065)</small>		
08 51 13 00-0090			<b>4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330)</b> <small>(08 51 13 00-0089)</small>		
08 51 13 00-0091	EA		Up To 12 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duranar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,801.70 51.66 154.97 129.14 180.80	131.28

## 08 Openings

## 08 50 Windows

## 08 51 Metal Windows

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 51 13 00-0092	EA	>12 To 18 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	3,224.00	151.79
		For 50% Fluoropolymer Finish (Acrynar), Add	59.42	
		For 70% Fluoropolymer Finish (Duramar), Add	178.26	
		For Clear Anodized Finish, Add	148.55	
		For Color Anodized Finish, Add	207.97	
08 51 13 00-0093	EA	>18 To 24 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	3,487.19	160.00
		For 50% Fluoropolymer Finish (Acrynar), Add	64.41	
		For 70% Fluoropolymer Finish (Duramar), Add	193.23	
		For Clear Anodized Finish, Add	161.03	
		For Color Anodized Finish, Add	225.44	
08 51 13 00-0094	EA	>24 To 40 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	4,223.70	180.51
		For 50% Fluoropolymer Finish (Acrynar), Add	78.46	
		For 70% Fluoropolymer Finish (Duramar), Add	235.37	
		For Clear Anodized Finish, Add	196.14	
		For Color Anodized Finish, Add	274.60	
08 51 13 00-0095	EA	>40 To 60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	4,879.25	205.13
		For 50% Fluoropolymer Finish (Acrynar), Add	90.75	
		For 70% Fluoropolymer Finish (Duramar), Add	272.24	
		For Clear Anodized Finish, Add	226.87	
		For Color Anodized Finish, Add	317.62	
08 51 13 00-0096	SF	>60 SF, 4" Frame Depth, HC 65, Two Rolling Sashes And One Stationary Sash, Horizontal Sliding Aluminum Window (Traco TR-6330).....	83.80	4.92
		For 50% Fluoropolymer Finish (Acrynar), Add	1.51	
		For 70% Fluoropolymer Finish (Duramar), Add	4.54	
		For Clear Anodized Finish, Add	3.78	
		For Color Anodized Finish, Add	5.29	

## 08 51 13 00-0097 Fixed Aluminum Windows (08 51 13 00-0001)

## 08 51 13 00-0098 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280) (08 51 13 00-0097)

08 51 13 00-0099	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	713.21	131.28
		For 50% Fluoropolymer Finish (Acrynar), Add	9.89	
		For 70% Fluoropolymer Finish (Duramar), Add	29.66	
		For Clear Anodized Finish, Add	24.72	
		For Color Anodized Finish, Add	34.61	
08 51 13 00-0100	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	819.29	139.49
		For 50% Fluoropolymer Finish (Acrynar), Add	11.74	
		For 70% Fluoropolymer Finish (Duramar), Add	35.21	
		For Clear Anodized Finish, Add	29.34	
		For Color Anodized Finish, Add	41.08	
08 51 13 00-0101	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	865.31	147.70
		For 50% Fluoropolymer Finish (Acrynar), Add	12.38	
		For 70% Fluoropolymer Finish (Duramar), Add	37.15	
		For Clear Anodized Finish, Add	30.96	
		For Color Anodized Finish, Add	43.34	
08 51 13 00-0102	EA	>15 To 20 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	911.33	155.89
		For 50% Fluoropolymer Finish (Acrynar), Add	13.03	
		For 70% Fluoropolymer Finish (Duramar), Add	39.09	
		For Clear Anodized Finish, Add	32.58	
		For Color Anodized Finish, Add	45.61	
08 51 13 00-0103	EA	>20 To 30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	1,225.34	164.10
		For 50% Fluoropolymer Finish (Acrynar), Add	19.04	
		For 70% Fluoropolymer Finish (Duramar), Add	57.11	
		For Clear Anodized Finish, Add	47.59	
		For Color Anodized Finish, Add	66.63	
08 51 13 00-0104	SF	>30 SF, 2-1/4" Frame Depth, C 50, Fixed Aluminum Window (Traco NX-280).....	39.95	4.92
		For 50% Fluoropolymer Finish (Acrynar), Add	0.63	
		For 70% Fluoropolymer Finish (Duramar), Add	1.90	
		For Clear Anodized Finish, Add	1.59	
		For Color Anodized Finish, Add	2.22	

## 08 51 13 00-0105 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800) (08 51 13 00-0097)

08 51 13 00-0106	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	916.51	131.28
		For 50% Fluoropolymer Finish (Acrynar), Add	13.95	
		For 70% Fluoropolymer Finish (Duramar), Add	41.86	
		For Clear Anodized Finish, Add	34.89	
		For Color Anodized Finish, Add	48.84	
08 51 13 00-0107	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	1,054.94	139.49
		For 50% Fluoropolymer Finish (Acrynar), Add	16.45	
		For 70% Fluoropolymer Finish (Duramar), Add	49.35	
		For Clear Anodized Finish, Add	41.12	
		For Color Anodized Finish, Add	57.57	
08 51 13 00-0108	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	1,137.93	147.70
		For 50% Fluoropolymer Finish (Acrynar), Add	17.84	
		For 70% Fluoropolymer Finish (Duramar), Add	53.51	
		For Clear Anodized Finish, Add	44.59	
		For Color Anodized Finish, Add	62.42	
08 51 13 00-0109	EA	>15 To 20 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800).....	1,225.53	155.89
		For 50% Fluoropolymer Finish (Acrynar), Add	19.31	
		For 70% Fluoropolymer Finish (Duramar), Add	57.94	
		For Clear Anodized Finish, Add	48.29	
		For Color Anodized Finish, Add	67.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0110	EA	>20 To 30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	1,636.57	164.10	
		For 50% Fluoropolymer Finish (Acrynar), Add	27.26		
		For 70% Fluoropolymer Finish (Duramar), Add	81.78		
		For Clear Anodized Finish, Add	68.15		
		For Color Anodized Finish, Add	95.41		
08 51 13 00-0111	SF	>30 SF, 2-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-2800)	53.63	4.92	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.91		
		For 70% Fluoropolymer Finish (Duramar), Add	2.73		
		For Clear Anodized Finish, Add	2.27		
		For Color Anodized Finish, Add	3.18		
<b>08 51 13 00-0112</b>		<b>3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)</b> (08 51 13 00-0097)			
08 51 13 00-0113	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	777.90	131.28	
		For 50% Fluoropolymer Finish (Acrynar), Add	11.18		
		For 70% Fluoropolymer Finish (Duramar), Add	33.55		
		For Clear Anodized Finish, Add	27.95		
		For Color Anodized Finish, Add	39.14		
08 51 13 00-0114	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	916.32	139.49	
		For 50% Fluoropolymer Finish (Acrynar), Add	13.68		
		For 70% Fluoropolymer Finish (Duramar), Add	41.03		
		For Clear Anodized Finish, Add	34.19		
		For Color Anodized Finish, Add	47.87		
08 51 13 00-0115	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	990.07	147.70	
		For 50% Fluoropolymer Finish (Acrynar), Add	14.88		
		For 70% Fluoropolymer Finish (Duramar), Add	44.63		
		For Clear Anodized Finish, Add	37.20		
		For Color Anodized Finish, Add	52.07		
08 51 13 00-0116	EA	>15 To 20 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,068.43	155.89	
		For 50% Fluoropolymer Finish (Acrynar), Add	16.17		
		For 70% Fluoropolymer Finish (Duramar), Add	48.52		
		For Clear Anodized Finish, Add	40.43		
		For Color Anodized Finish, Add	56.60		
08 51 13 00-0117	EA	>20 To 30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	1,456.37	164.10	
		For 50% Fluoropolymer Finish (Acrynar), Add	23.66		
		For 70% Fluoropolymer Finish (Duramar), Add	70.97		
		For Clear Anodized Finish, Add	59.14		
		For Color Anodized Finish, Add	82.80		
08 51 13 00-0118	SF	>30 SF, 3-1/4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-7100)	47.62	4.92	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.79		
		For 70% Fluoropolymer Finish (Duramar), Add	2.36		
		For Clear Anodized Finish, Add	1.97		
		For Color Anodized Finish, Add	2.76		
<b>08 51 13 00-0119</b>		<b>4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)</b> (08 51 13 00-0097)			
08 51 13 00-0120	EA	Up To 6 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	773.28	131.28	
		For 50% Fluoropolymer Finish (Acrynar), Add	11.09		
		For 70% Fluoropolymer Finish (Duramar), Add	33.27		
		For Clear Anodized Finish, Add	27.72		
		For Color Anodized Finish, Add	38.81		
08 51 13 00-0121	EA	>6 To 10 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	897.84	139.49	
		For 50% Fluoropolymer Finish (Acrynar), Add	13.31		
		For 70% Fluoropolymer Finish (Duramar), Add	39.92		
		For Clear Anodized Finish, Add	33.27		
		For Color Anodized Finish, Add	46.58		
08 51 13 00-0122	EA	>10 To 15 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	971.59	147.70	
		For 50% Fluoropolymer Finish (Acrynar), Add	14.51		
		For 70% Fluoropolymer Finish (Duramar), Add	43.53		
		For Clear Anodized Finish, Add	36.27		
		For Color Anodized Finish, Add	50.78		
08 51 13 00-0123	EA	>15 To 20 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,049.94	155.89	
		For 50% Fluoropolymer Finish (Acrynar), Add	15.80		
		For 70% Fluoropolymer Finish (Duramar), Add	47.41		
		For Clear Anodized Finish, Add	39.51		
		For Color Anodized Finish, Add	55.31		
08 51 13 00-0124	EA	>20 To 30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	1,437.89	164.10	
		For 50% Fluoropolymer Finish (Acrynar), Add	23.29		
		For 70% Fluoropolymer Finish (Duramar), Add	69.86		
		For Clear Anodized Finish, Add	58.22		
		For Color Anodized Finish, Add	81.51		
08 51 13 00-0125	SF	>30 SF, 4" Frame Depth, HC 65, Fixed Aluminum Window (Traco TR-9500)	47.02	4.92	
		For 50% Fluoropolymer Finish (Acrynar), Add	0.78		
		For 70% Fluoropolymer Finish (Duramar), Add	2.33		
		For Clear Anodized Finish, Add	1.94		
		For Color Anodized Finish, Add	2.72		
08 51 13 00-0126		Projected Aluminum Windows (08 51 13 00-0001)			
08 51 13 00-0127		Single Vent, Projected Aluminum Windows (08 51 13 00-0126)			
08 51 13 00-0128		2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0127)			
08 51 13 00-0129	EA	Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250)	1,060.67	131.28	
		For 50% Fluoropolymer Finish (Acrynar), Add	16.84		
		For 70% Fluoropolymer Finish (Duramar), Add	50.51		
		For Clear Anodized Finish, Add	42.09		
		For Color Anodized Finish, Add	58.93		

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 51 13 00-0130	EA	>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) .....	1,151.51	139.49
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	18.38	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	55.14	
		<i>For Clear Anodized Finish, Add</i>	45.95	
		<i>For Color Anodized Finish, Add</i>	64.33	
08 51 13 00-0131	EA	>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) .....	1,258.06	147.70
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	20.24	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	60.71	
		<i>For Clear Anodized Finish, Add</i>	50.60	
		<i>For Color Anodized Finish, Add</i>	70.83	
08 51 13 00-0132	SF	>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Projected Aluminum Window (Traco NX-240/250) .....	75.67	4.92
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	1.35	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	4.05	
		<i>For Clear Anodized Finish, Add</i>	3.37	
		<i>For Color Anodized Finish, Add</i>	4.72	

**08 51 13 00-0133 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500)** (08 51 13 00-0127)

08 51 13 00-0134	EA	Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,469.18	131.28
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	25.01	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	75.02	
		<i>For Clear Anodized Finish, Add</i>	62.52	
		<i>For Color Anodized Finish, Add</i>	87.53	
08 51 13 00-0135	EA	>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,627.47	139.49
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	27.90	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	83.70	
		<i>For Clear Anodized Finish, Add</i>	69.75	
		<i>For Color Anodized Finish, Add</i>	97.65	
08 51 13 00-0136	EA	>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	1,812.53	147.70
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	31.33	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	93.98	
		<i>For Clear Anodized Finish, Add</i>	78.32	
		<i>For Color Anodized Finish, Add</i>	109.65	
08 51 13 00-0137	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	112.63	4.92
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.09	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	6.27	
		<i>For Clear Anodized Finish, Add</i>	5.22	
		<i>For Color Anodized Finish, Add</i>	7.31	

**08 51 13 00-0138 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500)** (08 51 13 00-0127)

08 51 13 00-0139	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,622.39	131.28
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	28.07	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	84.21	
		<i>For Clear Anodized Finish, Add</i>	70.18	
		<i>For Color Anodized Finish, Add</i>	98.25	
08 51 13 00-0140	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	1,805.92	139.49
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	31.47	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	94.41	
		<i>For Clear Anodized Finish, Add</i>	78.67	
		<i>For Color Anodized Finish, Add</i>	110.14	
08 51 13 00-0141	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	2,020.45	147.70
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	35.49	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	106.46	
		<i>For Clear Anodized Finish, Add</i>	88.71	
		<i>For Color Anodized Finish, Add</i>	124.20	
08 51 13 00-0142	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	126.50	4.92
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	2.37	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	7.10	
		<i>For Clear Anodized Finish, Add</i>	5.91	
		<i>For Color Anodized Finish, Add</i>	8.28	

**08 51 13 00-0143 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600)** (08 51 13 00-0127)

08 51 13 00-0144	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Single Vent, Projected Aluminum Window (Traco TR-3600) .....	1,727.93	131.28
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	30.18	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	90.55	
		<i>For Clear Anodized Finish, Add</i>	75.46	
		<i>For Color Anodized Finish, Add</i>	105.64	
08 51 13 00-0145	EA	>6 To 10 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) .....	1,928.87	139.49
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	33.93	
		<i>For 70% Fluoropolymer Finish (Duranar), Add</i>	101.78	
		<i>For Clear Anodized Finish, Add</i>	84.82	
		<i>For Color Anodized Finish, Add</i>	118.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0146	EA		>10 To 15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,163.69 38.35 115.05 95.88 134.23	147.70
08 51 13 00-0147	SF		>15 SF, Single Vent, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap Projected Aluminum Window (Traco TR-3600) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	136.06 2.56 7.67 6.39 8.95	4.92
<b>08 51 13 00-0148 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0127)</b>					
08 51 13 00-0149	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,714.30 29.91 89.73 74.77 104.68	131.28
08 51 13 00-0150	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,913.02 33.61 100.83 84.03 117.64	139.49
08 51 13 00-0151	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,145.21 37.98 113.94 94.95 132.93	147.70
08 51 13 00-0152	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Projected Aluminum Window (Traco TR-740/750) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	134.81 2.53 7.60 6.33 8.86	4.92
<b>08 51 13 00-0153 Fixed Over Vent, Projected Aluminum Windows (08 51 13 00-0126)</b>					
<b>08 51 13 00-0154 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) (08 51 13 00-0153)</b>					
08 51 13 00-0155	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,506.65 25.76 77.27 64.39 90.15	131.28
08 51 13 00-0156	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,671.09 28.77 86.32 71.93 100.70	139.49
08 51 13 00-0157	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	1,863.35 32.34 97.03 80.86 113.20	147.70
08 51 13 00-0158	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco NX-240/250) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	115.87 2.15 6.46 5.38 7.54	4.92
<b>08 51 13 00-0159 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) (08 51 13 00-0153)</b>					
08 51 13 00-0160	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,153.48 38.69 116.08 96.73 135.43	131.28
08 51 13 00-0161	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,424.65 43.84 131.53 109.61 153.45	139.49
08 51 13 00-0162	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) ..... <i>For 50% Fluoropolymer Finish (Acrynar), Add</i> <i>For 70% Fluoropolymer Finish (Duramar), Add</i> <i>For Clear Anodized Finish, Add</i> <i>For Color Anodized Finish, Add</i>	2,741.26 49.90 149.71 124.76 174.66	147.70

**08 Openings****08 50 Windows****08 51 Metal Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 51 13 00-0163	SF	>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-2400/2500) .....	174.55		4.92
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.33		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	9.98		
		<i>For Clear Anodized Finish, Add</i>	8.32		
		<i>For Color Anodized Finish, Add</i>	11.64		
<b>08 51 13 00-0164</b>		<b>3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) (08 51 13 00-0153)</b>			
08 51 13 00-0165	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	2,289.65		131.28
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	41.42		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	124.25		
		<i>For Clear Anodized Finish, Add</i>	103.54		
		<i>For Color Anodized Finish, Add</i>	144.96		
08 51 13 00-0166	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	2,583.28		139.49
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	47.02		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	141.05		
		<i>For Clear Anodized Finish, Add</i>	117.54		
		<i>For Color Anodized Finish, Add</i>	164.56		
08 51 13 00-0167	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	2,926.08		147.70
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	53.60		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	160.80		
		<i>For Clear Anodized Finish, Add</i>	134.00		
		<i>For Color Anodized Finish, Add</i>	187.59		
08 51 13 00-0168	SF	>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3400/3500) .....	186.56		4.92
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.57		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	10.70		
		<i>For Clear Anodized Finish, Add</i>	8.92		
		<i>For Color Anodized Finish, Add</i>	12.48		
<b>08 51 13 00-0169</b>		<b>3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) (08 51 13 00-0153)</b>			
08 51 13 00-0170	EA	Up To 6 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	2,276.06		131.28
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	41.15		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	123.44		
		<i>For Clear Anodized Finish, Add</i>	102.86		
		<i>For Color Anodized Finish, Add</i>	144.01		
08 51 13 00-0171	EA	>6 To 10 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	2,567.43		139.49
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	46.70		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	140.10		
		<i>For Clear Anodized Finish, Add</i>	116.75		
		<i>For Color Anodized Finish, Add</i>	163.45		
08 51 13 00-0172	EA	>10 To 15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	2,907.60		147.70
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	53.23		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	159.69		
		<i>For Clear Anodized Finish, Add</i>	133.07		
		<i>For Color Anodized Finish, Add</i>	186.30		
08 51 13 00-0173	SF	>15 SF, 3-1/4" Frame Depth, HC 50, Top Hinge, Overlap, Fixed Over Vent, Projected Aluminum Window (Traco TR-3600) .....	185.64		4.92
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.55		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	10.65		
		<i>For Clear Anodized Finish, Add</i>	8.87		
		<i>For Color Anodized Finish, Add</i>	12.42		
<b>08 51 13 00-0174</b>		<b>4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) (08 51 13 00-0153)</b>			
08 51 13 00-0175	EA	Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	2,487.13		131.28
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	45.37		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	136.10		
		<i>For Clear Anodized Finish, Add</i>	113.42		
		<i>For Color Anodized Finish, Add</i>	158.78		
08 51 13 00-0176	EA	>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	2,813.33		139.49
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	51.62		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	154.85		
		<i>For Clear Anodized Finish, Add</i>	129.04		
		<i>For Color Anodized Finish, Add</i>	180.66		
08 51 13 00-0177	EA	>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	3,194.07		147.70
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	58.96		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	176.87		
		<i>For Clear Anodized Finish, Add</i>	147.40		
		<i>For Color Anodized Finish, Add</i>	206.35		
08 51 13 00-0178	SF	>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Projected Aluminum Window (Traco TR-740/750) .....	204.58		4.92
		<i>For 50% Fluoropolymer Finish (Acrynar), Add</i>	3.93		
		<i>For 70% Fluoropolymer Finish (Durandar), Add</i>	11.78		
		<i>For Clear Anodized Finish, Add</i>	9.82		
		<i>For Color Anodized Finish, Add</i>	13.75		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 51 13 00-0179			Casement Aluminum Windows (08 51 13 00-0001)		
08 51 13 00-0180			Single Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0181			2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0180)		
08 51 13 00-0182	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	1,227.48	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	20.17	
			For 70% Fluoropolymer Finish (Duranar), Add	60.52	
			For Clear Anodized Finish, Add	50.43	
			For Color Anodized Finish, Add	70.61	
08 51 13 00-0183	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	1,345.85	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	22.27	
			For 70% Fluoropolymer Finish (Duranar), Add	66.80	
			For Clear Anodized Finish, Add	55.67	
			For Color Anodized Finish, Add	77.94	
08 51 13 00-0184	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	1,484.47	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	24.77	
			For 70% Fluoropolymer Finish (Duranar), Add	74.30	
			For Clear Anodized Finish, Add	61.92	
			For Color Anodized Finish, Add	86.68	
08 51 13 00-0185	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Single Vent, Casement Aluminum Window (Traco NX-210/220) .....	90.78	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	1.65	
			For 70% Fluoropolymer Finish (Duranar), Add	4.95	
			For Clear Anodized Finish, Add	4.13	
			For Color Anodized Finish, Add	5.78	
08 51 13 00-0186			2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0180)		
08 51 13 00-0187	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	1,847.09	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	32.57	
			For 70% Fluoropolymer Finish (Duranar), Add	97.70	
			For Clear Anodized Finish, Add	81.41	
			For Color Anodized Finish, Add	113.98	
08 51 13 00-0188	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	2,067.67	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	36.70	
			For 70% Fluoropolymer Finish (Duranar), Add	110.11	
			For Clear Anodized Finish, Add	91.76	
			For Color Anodized Finish, Add	128.46	
08 51 13 00-0189	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	2,325.41	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	41.59	
			For 70% Fluoropolymer Finish (Duranar), Add	124.76	
			For Clear Anodized Finish, Add	103.96	
			For Color Anodized Finish, Add	145.55	
08 51 13 00-0190	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-2100/2200) .....	146.83	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	2.77	
			For 70% Fluoropolymer Finish (Duranar), Add	8.32	
			For Clear Anodized Finish, Add	6.93	
			For Color Anodized Finish, Add	9.70	
08 51 13 00-0191			3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0180)		
08 51 13 00-0192	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	1,857.30	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	32.77	
			For 70% Fluoropolymer Finish (Duranar), Add	98.31	
			For Clear Anodized Finish, Add	81.92	
			For Color Anodized Finish, Add	114.69	
08 51 13 00-0193	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	2,079.59	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	36.94	
			For 70% Fluoropolymer Finish (Duranar), Add	110.83	
			For Clear Anodized Finish, Add	92.36	
			For Color Anodized Finish, Add	129.30	
08 51 13 00-0194	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	2,339.27	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	41.86	
			For 70% Fluoropolymer Finish (Duranar), Add	125.59	
			For Clear Anodized Finish, Add	104.66	
			For Color Anodized Finish, Add	146.52	
08 51 13 00-0195	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Single Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	147.75	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	2.79	
			For 70% Fluoropolymer Finish (Duranar), Add	8.37	
			For Clear Anodized Finish, Add	6.98	
			For Color Anodized Finish, Add	9.77	
08 51 13 00-0196			4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720) (08 51 13 00-0180)		



## 08 Openings

## 08 50 Windows

## 08 51 Metal Windows

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0197	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	1,962.84	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	34.88	
			For 70% Fluoropolymer Finish (Durandar), Add	104.64	
			For Clear Anodized Finish, Add	87.20	
			For Color Anodized Finish, Add	122.08	
08 51 13 00-0198	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,202.54	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	39.40	
			For 70% Fluoropolymer Finish (Durandar), Add	118.20	
			For Clear Anodized Finish, Add	98.50	
			For Color Anodized Finish, Add	137.90	
08 51 13 00-0199	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	2,482.51	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	44.73	
			For 70% Fluoropolymer Finish (Durandar), Add	134.18	
			For Clear Anodized Finish, Add	111.82	
			For Color Anodized Finish, Add	156.54	
08 51 13 00-0200	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Single Vent, Casement Aluminum Window (Traco TR-710/720).....	157.32	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	2.98	
			For 70% Fluoropolymer Finish (Durandar), Add	8.95	
			For Clear Anodized Finish, Add	7.46	
			For Color Anodized Finish, Add	10.44	
08 51 13 00-0201			Fixed Over Vent, Casement Aluminum Windows (08 51 13 00-0179)		
08 51 13 00-0202			2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220) (08 51 13 00-0201)		
08 51 13 00-0203	EA		Up To 6 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	1,414.73	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	23.92	
			For 70% Fluoropolymer Finish (Durandar), Add	71.76	
			For Clear Anodized Finish, Add	59.80	
			For Color Anodized Finish, Add	83.71	
08 51 13 00-0204	EA		>6 To 10 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	1,563.98	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	26.63	
			For 70% Fluoropolymer Finish (Durandar), Add	79.89	
			For Clear Anodized Finish, Add	66.58	
			For Color Anodized Finish, Add	93.21	
08 51 13 00-0205	EA		>10 To 15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	1,738.60	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	29.85	
			For 70% Fluoropolymer Finish (Durandar), Add	89.55	
			For Clear Anodized Finish, Add	74.62	
			For Color Anodized Finish, Add	104.47	
08 51 13 00-0206	SF		>15 SF, 2-1/4" Frame Depth, C 50, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco NX-210/220).....	107.69	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	1.99	
			For 70% Fluoropolymer Finish (Durandar), Add	5.97	
			For Clear Anodized Finish, Add	4.97	
			For Color Anodized Finish, Add	6.96	
08 51 13 00-0207			2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200) (08 51 13 00-0201)		
08 51 13 00-0208	EA		Up To 6 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,034.32	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	36.31	
			For 70% Fluoropolymer Finish (Durandar), Add	108.93	
			For Clear Anodized Finish, Add	90.78	
			For Color Anodized Finish, Add	127.09	
08 51 13 00-0209	EA		>6 To 10 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,285.81	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	41.07	
			For 70% Fluoropolymer Finish (Durandar), Add	123.20	
			For Clear Anodized Finish, Add	102.67	
			For Color Anodized Finish, Add	143.73	
08 51 13 00-0210	EA		>10 To 15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	2,579.54	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	46.67	
			For 70% Fluoropolymer Finish (Durandar), Add	140.00	
			For Clear Anodized Finish, Add	116.67	
			For Color Anodized Finish, Add	163.34	
08 51 13 00-0211	SF		>15 SF, 2-1/4" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-2100/2200).....	163.78	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	3.11	
			For 70% Fluoropolymer Finish (Durandar), Add	9.33	
			For Clear Anodized Finish, Add	7.78	
			For Color Anodized Finish, Add	10.89	
08 51 13 00-0212			3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) (08 51 13 00-0201)		
08 51 13 00-0213	EA		Up To 6 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200).....	2,262.43	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	40.87	
			For 70% Fluoropolymer Finish (Durandar), Add	122.62	
			For Clear Anodized Finish, Add	102.18	
			For Color Anodized Finish, Add	143.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0214	EA		>6 To 10 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	2,551.58	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	46.38	
			For 70% Fluoropolymer Finish (Duranar), Add	139.15	
			For Clear Anodized Finish, Add	115.96	
			For Color Anodized Finish, Add	162.34	
08 51 13 00-0215	EA		>10 To 15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	2,889.11	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	52.86	
			For 70% Fluoropolymer Finish (Duranar), Add	158.58	
			For Clear Anodized Finish, Add	132.15	
			For Color Anodized Finish, Add	185.01	
08 51 13 00-0216	SF		>15 SF, 3-1/4" Frame Depth, HC 80, Overlap, Fixed Over Vent, Casement Aluminum Window (Traco TR-3100/3200) .....	184.39	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	3.52	
			For 70% Fluoropolymer Finish (Duranar), Add	10.57	
			For Clear Anodized Finish, Add	8.81	
			For Color Anodized Finish, Add	12.33	
<b>08 51 13 00-0217</b>			<b>4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720)</b> (08 51 13 00-0201)		
08 51 13 00-0218	EA		Up To 6 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	2,470.08	131.28
			For 50% Fluoropolymer Finish (Acrynar), Add	45.03	
			For 70% Fluoropolymer Finish (Duranar), Add	135.08	
			For Clear Anodized Finish, Add	112.56	
			For Color Anodized Finish, Add	157.59	
08 51 13 00-0219	EA		>6 To 10 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	2,793.51	139.49
			For 50% Fluoropolymer Finish (Acrynar), Add	51.22	
			For 70% Fluoropolymer Finish (Duranar), Add	153.66	
			For Clear Anodized Finish, Add	128.05	
			For Color Anodized Finish, Add	179.27	
08 51 13 00-0220	EA		>10 To 15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	3,170.97	147.70
			For 50% Fluoropolymer Finish (Acrynar), Add	58.50	
			For 70% Fluoropolymer Finish (Duranar), Add	175.49	
			For Clear Anodized Finish, Add	146.24	
			For Color Anodized Finish, Add	204.74	
08 51 13 00-0221	SF		>15 SF, 4-5/8" Frame Depth, HC 80, Flush, Fixed Over Vent, Casement Aluminum Window (Traco TR-710/720) .....	203.20	4.92
			For 50% Fluoropolymer Finish (Acrynar), Add	3.90	
			For 70% Fluoropolymer Finish (Duranar), Add	11.70	
			For Clear Anodized Finish, Add	9.75	
			For Color Anodized Finish, Add	13.65	
<b>08 51 13 00-0222</b>			<b>Aluminum Window Accessories</b> (08 51 13)		
<b>08 51 13 00-0223</b>			<b>Aluminum Window Mullions</b> (08 51 13 00-0222)		
08 51 13 00-0224	LF		Integral Mullions For Aluminum Windows .....	40.80	6.15
			For 50% Fluoropolymer Finish (Acrynar), Add	0.59	
			For 70% Fluoropolymer Finish (Duranar), Add	1.76	
			For Clear Anodized Finish, Add	1.47	
			For Color Anodized Finish, Add	2.06	
<b>08 51 13 00-0225</b>			<b>Aluminum Window Panning</b> (08 51 13 00-0222)		
			Note: Panning price is determined by window size. For windows greater than 30 square feet multiply window square footage by square foot price.		
08 51 13 00-0226	EA		Up To 6 SF Window, Aluminum Window Panning .....	431.90	49.95
			For 50% Fluoropolymer Finish (Acrynar), Add	6.97	
			For 70% Fluoropolymer Finish (Duranar), Add	20.92	
			For Clear Anodized Finish, Add	17.43	
			For Color Anodized Finish, Add	24.40	
08 51 13 00-0227	EA		>6 To 10 SF Window, Aluminum Window Panning .....	588.21	83.26
			For 50% Fluoropolymer Finish (Acrynar), Add	8.99	
			For 70% Fluoropolymer Finish (Duranar), Add	26.97	
			For Clear Anodized Finish, Add	22.47	
			For Color Anodized Finish, Add	31.46	
08 51 13 00-0228	EA		>10 To 15 SF Window, Aluminum Window Panning .....	699.60	124.88
			For 50% Fluoropolymer Finish (Acrynar), Add	9.83	
			For 70% Fluoropolymer Finish (Duranar), Add	29.49	
			For Clear Anodized Finish, Add	24.57	
			For Color Anodized Finish, Add	34.40	
08 51 13 00-0229	EA		>15 To 20 SF Window, Aluminum Window Panning .....	819.37	166.51
			For 50% Fluoropolymer Finish (Acrynar), Add	10.84	
			For 70% Fluoropolymer Finish (Duranar), Add	32.51	
			For Clear Anodized Finish, Add	27.09	
			For Color Anodized Finish, Add	37.93	
08 51 13 00-0230	EA		>20 To 30 SF Window, Aluminum Window Panning .....	1,054.75	249.76
			For 50% Fluoropolymer Finish (Acrynar), Add	12.77	
			For 70% Fluoropolymer Finish (Duranar), Add	38.31	
			For Clear Anodized Finish, Add	31.92	
			For Color Anodized Finish, Add	44.69	
08 51 13 00-0231	SF		>30 SF Window, Aluminum Window Panning .....	37.29	10.41
			For 50% Fluoropolymer Finish (Acrynar), Add	0.40	
			For 70% Fluoropolymer Finish (Duranar), Add	1.20	
			For Clear Anodized Finish, Add	1.00	
			For Color Anodized Finish, Add	1.40	

**08 Openings****08 50 Windows****08 51 Metal Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 51 13 00-0232			<b>Aluminum Window Muntins, Grilles Or Dividers</b> (08 51 13 00-0222)		
08 51 13 00-0233	SF		Applied (Per Side) Muntins Grilles Or Dividers For Aluminum Windows.....	10.10	6.15
			For 50% Fluoropolymer Finish (Acrynar), Add	0.04	
			For 70% Fluoropolymer Finish (Duramar), Add	0.11	
			For Clear Anodized Finish, Add	0.09	
			For Color Anodized Finish, Add	0.13	
08 51 13 00-0234	SF		Internal Only (Between Glass) Muntins, Grilles Or Dividers For Aluminum Windows.....	15.56	6.15
			For 50% Fluoropolymer Finish (Acrynar), Add	0.15	
			For 70% Fluoropolymer Finish (Duramar), Add	0.44	
			For Clear Anodized Finish, Add	0.37	
			For Color Anodized Finish, Add	0.51	
08 51 13 00-0235	SF		Simulated Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	31.01	6.15
			For 50% Fluoropolymer Finish (Acrynar), Add	0.21	
			For 70% Fluoropolymer Finish (Duramar), Add	0.63	
			For Clear Anodized Finish, Add	0.53	
			For Color Anodized Finish, Add	0.74	
08 51 13 00-0236	SF		True Divided Lite Muntins Grilles Or Dividers For Aluminum Windows.....	37.95	6.15
			For 50% Fluoropolymer Finish (Acrynar), Add	0.29	
			For 70% Fluoropolymer Finish (Duramar), Add	0.88	
			For Clear Anodized Finish, Add	0.74	
			For Color Anodized Finish, Add	1.03	
08 51 13 00-0237			<b>Other Aluminum Window Accessories</b> (08 51 13 00-0222)		
08 51 13 00-0238	EA		Roto Operator For Casement Aluminum Windows.....	359.18	27.34
08 51 13 00-0239	EA		Head And Sill Automatic Locks For Hung Aluminum Windows.....	174.36	27.34
08 51 19			<b>Stainless-Steel Windows</b> (08 51)		
			See CSI section 08 80 00 00-0000 for glazing.		
08 51 19 00-0001			<b>Stainless Steel Windows Types</b> (08 51 19)		
08 51 19 00-0002			<b>Industrial</b> (08 51 19 00-0001)		
08 51 19 00-0003	SF		Stainless Steel Window With Horizontal Pivot Sash.....	121.19	8.21
08 51 19 00-0004	SF		Stainless Steel Window, Fixed Sash.....	90.85	8.21
08 51 19 00-0005			<b>Projected Sash</b> (08 51 19 00-0001)		
08 51 19 00-0006	SF		Commercial Projected Sash Window - 40% Vented Stainless Steel.....	126.85	8.21
08 51 19 00-0007	SF		Intermediate Projected Sash Window - 40% Vented Stainless Steel.....	140.27	8.21
08 51 19 00-0008			<b>Other Type Sash</b> (08 51 19 00-0001)		
08 51 19 00-0009	SF		Double Hung Stainless Steel Window Sash.....	153.65	8.21
08 51 19 00-0010	SF		Single Hung Stainless Steel Window Sash.....	108.07	8.21
08 51 19 00-0011	SF		Stainless Steel Picture Window Sash.....	89.95	8.21
08 51 19 00-0012	SF		Sliding Stainless Steel Window.....	158.56	8.21
08 51 19 00-0013			<b>Casements</b> (08 51 19 00-0001)		
08 51 19 00-0014	SF		Stainless Steel Window Casements, 100% Vented Operable, Factory Primed.....	137.49	8.21
08 51 19 00-0015	SF		Stainless Steel Window Casements, 50% Vented Operable, Factory Primed.....	118.63	8.21
08 51 19 00-0016	SF		Stainless Steel Window Casements, Fixed Sash, Factory Primed.....	83.04	8.21
08 51 23			<b>Steel Windows</b> (08 51)		
			Note: All sashes are factory primed. See CSI section 08 80 00 00-0000 for for glazing.		
08 51 23 00-0001			<b>Steel Windows</b> (08 51 23)		
08 51 23 00-0002			<b>Industrial</b> (08 51 23 00-0001)		
08 51 23 00-0003	SF		Industrial Steel Window With Horizontal Pivot Sash.....	57.42	8.21
08 51 23 00-0004	SF		Industrial Steel Window, With Fixed Sash.....	52.16	8.21
08 51 23 00-0005	SF		Industrial Steel Window, With Operable Security Sash.....	78.97	8.21
08 51 23 00-0006	SF		Industrial Steel Window, With Fixed Security Sash.....	68.46	8.21
08 51 23 00-0007			<b>Projected Sash</b> (08 51 23 00-0001)		
08 51 23 00-0008	SF		Commercial Projected Sash Window - 40% Vented Steel.....	62.52	8.21
08 51 23 00-0009	SF		Intermediate Projected Sash Window - 40% Vented Steel.....	68.30	8.21
08 51 23 00-0010			<b>Other Type Sash</b> (08 51 23 00-0001)		
08 51 23 00-0011	SF		Double Hung Steel Window Sash.....	78.51	8.21
08 51 23 00-0012	SF		Steel Picture Window Sash.....	37.35	8.21
08 51 23 00-0013	SF		Fire Rated Double Hung Steel Window Sash.....	80.79	10.26
08 51 23 00-0014	SF		Single Hung Steel Window Sash.....	57.40	8.21
08 51 23 00-0015			<b>Casements</b> (08 51 23 00-0001)		
08 51 23 00-0016	SF		Steel Window Casements, 100% Vented Operable, Factory Primed.....	71.04	4.10
08 51 23 00-0017	SF		Steel Window Casements, 50% Vented Operable, Factory Primed.....	62.30	4.10
08 51 23 00-0018	SF		Steel Window Casements, Fixed Sash, Factory Primed.....	45.81	6.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 51 23 00-0019</b>			<b>Mullions</b> <small>(08 51 23 00-0001)</small>		
08 51 23 00-0020	LF		Open Faced Steel Mullion .....	28.71	6.15
08 51 23 00-0021	LF		Covered Steel Mullions .....	45.24	6.15

<b>08 51 23 00-0022</b>			<b>Removal And Reinstallation Of Metal Window And Frame</b> <small>(08 51 23)</small>		
Note: Steel or aluminum frame. Includes storage, cleaning and supply materials, caulk and sealants.					
08 51 23 00-0023	SF		Removal And Reinstallation Of Metal Window And Frame .....	21.00	

**08 51 66 Metal Window Screens** (08 51)

<b>08 51 66 00-0001</b>			<b>Aluminum Window Insect Screens</b> <small>(08 51 66)</small>		
Note: Includes aluminum frames.					
08 51 66 00-0002	SF		Up To 10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows .....	14.88	2.05
08 51 66 00-0003	SF		>10 SF Area Including Aluminum Frame, Insect Screens For Aluminum Windows .....	10.11	1.64
08 51 66 00-0004	SF		Repair Aluminum Mesh Screen Window .....	8.85	

**08 51 69 Metal Storm Windows** (08 51)

<b>08 51 69 00-0001</b>			<b>Storm Windows</b> <small>(08 51 69)</small>		
08 51 69 00-0002	SF		Double Hung, Aluminum, Combination Storm And Screen .....	50.54	4.10

**08 52 Wood Windows** (08 50)

**08 52 11 Wood Windows** (08 52)

<b>08 52 11 00-0001</b>			<b>Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11)</small>		
Note: Includes demo of the existing sashes and jamb liners. Includes two sashes, jamb liners, insulated glass and all hardware needed for installation. Includes primed pine wood interior and exterior. Excludes window frame, trim, insect screens and grilles.					

<b>08 52 11 00-0002</b>			<b>30" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0003	EA		20" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	370.14	
			For Low-E Insulated Glass, Add .....	28.77	
			For Aluminum Clad Exterior, Add .....	30.82	
08 52 11 00-0004	EA		24" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	392.58	
			For Low-E Insulated Glass, Add .....	30.84	
			For Aluminum Clad Exterior, Add .....	33.04	
08 52 11 00-0005	EA		28" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	416.51	
			For Low-E Insulated Glass, Add .....	33.12	
			For Aluminum Clad Exterior, Add .....	35.48	
08 52 11 00-0006	EA		30" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	429.20	
			For Low-E Insulated Glass, Add .....	34.36	
			For Aluminum Clad Exterior, Add .....	36.81	
08 52 11 00-0007	EA		32" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	440.42	
			For Low-E Insulated Glass, Add .....	35.39	
			For Aluminum Clad Exterior, Add .....	37.92	
08 52 11 00-0008	EA		34" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	454.60	
			For Low-E Insulated Glass, Add .....	36.84	
			For Aluminum Clad Exterior, Add .....	39.47	
08 52 11 00-0009	EA		36" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	461.44	
			For Low-E Insulated Glass, Add .....	37.26	
			For Aluminum Clad Exterior, Add .....	39.92	
08 52 11 00-0010	EA		40" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	489.75	
			For Low-E Insulated Glass, Add .....	40.15	
			For Aluminum Clad Exterior, Add .....	43.02	
08 52 11 00-0011	EA		44" x 30", Sash-Only Replacement Kit For Double Hung Wood Windows .....	513.67	
			For Low-E Insulated Glass, Add .....	42.43	
			For Aluminum Clad Exterior, Add .....	45.46	

**08 52 11 00-0012 34" Height, Sash-Only Replacement Kits For Double Hung Wood Windows** (08 52 11 00-0001)

08 52 11 00-0013	EA		20" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows .....	392.58	
			For Low-E Insulated Glass, Add .....	30.84	
			For Aluminum Clad Exterior, Add .....	33.04	
08 52 11 00-0014	EA		24" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows .....	416.51	
			For Low-E Insulated Glass, Add .....	33.12	
			For Aluminum Clad Exterior, Add .....	35.48	
08 52 11 00-0015	EA		28" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows .....	436.59	
			For Low-E Insulated Glass, Add .....	35.39	
			For Aluminum Clad Exterior, Add .....	37.92	
08 52 11 00-0016	EA		30" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows .....	454.60	
			For Low-E Insulated Glass, Add .....	36.84	
			For Aluminum Clad Exterior, Add .....	39.47	
08 52 11 00-0017	EA		32" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows .....	465.82	
			For Low-E Insulated Glass, Add .....	37.88	
			For Aluminum Clad Exterior, Add .....	40.58	
08 52 11 00-0018	EA		34" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows .....	478.52	
			For Low-E Insulated Glass, Add .....	39.12	
			For Aluminum Clad Exterior, Add .....	41.91	
08 52 11 00-0019	EA		36" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows .....	489.75	
			For Low-E Insulated Glass, Add .....	40.15	
			For Aluminum Clad Exterior, Add .....	43.02	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 11 00-0020	EA	40" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	513.67	
		<i>For Low-E Insulated Glass, Add</i>	42.43	
		<i>For Aluminum Clad Exterior, Add</i>	45.46	
08 52 11 00-0021	EA	44" x 34", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.58	
		<i>For Low-E Insulated Glass, Add</i>	44.71	
		<i>For Aluminum Clad Exterior, Add</i>	47.90	
<b>08 52 11 00-0022</b>		<b>36" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0023	EA	20" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	403.37	
		<i>For Low-E Insulated Glass, Add</i>	32.08	
		<i>For Aluminum Clad Exterior, Add</i>	34.37	
08 52 11 00-0024	EA	24" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	427.28	
		<i>For Low-E Insulated Glass, Add</i>	34.36	
		<i>For Aluminum Clad Exterior, Add</i>	36.81	
08 52 11 00-0025	EA	28" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	452.69	
		<i>For Low-E Insulated Glass, Add</i>	36.84	
		<i>For Aluminum Clad Exterior, Add</i>	39.47	
08 52 11 00-0026	EA	30" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	463.91	
		<i>For Low-E Insulated Glass, Add</i>	37.88	
		<i>For Aluminum Clad Exterior, Add</i>	40.58	
08 52 11 00-0027	EA	32" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	476.60	
		<i>For Low-E Insulated Glass, Add</i>	39.12	
		<i>For Aluminum Clad Exterior, Add</i>	41.91	
08 52 11 00-0028	EA	34" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	487.84	
		<i>For Low-E Insulated Glass, Add</i>	40.15	
		<i>For Aluminum Clad Exterior, Add</i>	43.02	
08 52 11 00-0029	EA	36" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	500.54	
		<i>For Low-E Insulated Glass, Add</i>	41.40	
		<i>For Aluminum Clad Exterior, Add</i>	44.35	
08 52 11 00-0030	EA	40" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	522.97	
		<i>For Low-E Insulated Glass, Add</i>	43.46	
		<i>For Aluminum Clad Exterior, Add</i>	46.57	
08 52 11 00-0031	EA	44" x 36", Sash-Only Replacement Kit For Double Hung Wood Windows.....	546.89	
		<i>For Low-E Insulated Glass, Add</i>	45.74	
		<i>For Aluminum Clad Exterior, Add</i>	49.01	
<b>08 52 11 00-0032</b>		<b>38" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0033	EA	20" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	418.41	
		<i>For Low-E Insulated Glass, Add</i>	33.12	
		<i>For Aluminum Clad Exterior, Add</i>	35.48	
08 52 11 00-0034	EA	24" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	442.34	
		<i>For Low-E Insulated Glass, Add</i>	35.39	
		<i>For Aluminum Clad Exterior, Add</i>	37.92	
08 52 11 00-0035	EA	28" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	467.73	
		<i>For Low-E Insulated Glass, Add</i>	37.88	
		<i>For Aluminum Clad Exterior, Add</i>	40.58	
08 52 11 00-0036	EA	30" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	480.44	
		<i>For Low-E Insulated Glass, Add</i>	39.12	
		<i>For Aluminum Clad Exterior, Add</i>	41.91	
08 52 11 00-0037	EA	32" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	491.67	
		<i>For Low-E Insulated Glass, Add</i>	40.15	
		<i>For Aluminum Clad Exterior, Add</i>	43.02	
08 52 11 00-0038	EA	34" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	504.36	
		<i>For Low-E Insulated Glass, Add</i>	41.40	
		<i>For Aluminum Clad Exterior, Add</i>	44.35	
08 52 11 00-0039	EA	36" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	515.58	
		<i>For Low-E Insulated Glass, Add</i>	42.43	
		<i>For Aluminum Clad Exterior, Add</i>	45.46	
08 52 11 00-0040	EA	40" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	539.50	
		<i>For Low-E Insulated Glass, Add</i>	44.71	
		<i>For Aluminum Clad Exterior, Add</i>	47.90	
08 52 11 00-0041	EA	44" x 38", Sash-Only Replacement Kit For Double Hung Wood Windows.....	563.42	
		<i>For Low-E Insulated Glass, Add</i>	46.98	
		<i>For Aluminum Clad Exterior, Add</i>	50.34	
<b>08 52 11 00-0042</b>		<b>46" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>		
		<small>(08 52 11 00-0001)</small>		
08 52 11 00-0043	EA	20" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	465.82	
		<i>For Low-E Insulated Glass, Add</i>	37.88	
		<i>For Aluminum Clad Exterior, Add</i>	40.58	
08 52 11 00-0044	EA	24" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	489.75	
		<i>For Low-E Insulated Glass, Add</i>	40.15	
		<i>For Aluminum Clad Exterior, Add</i>	43.02	
08 52 11 00-0045	EA	28" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	513.67	
		<i>For Low-E Insulated Glass, Add</i>	42.43	
		<i>For Aluminum Clad Exterior, Add</i>	45.46	
08 52 11 00-0046	EA	30" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	524.89	
		<i>For Low-E Insulated Glass, Add</i>	43.46	
		<i>For Aluminum Clad Exterior, Add</i>	46.57	
08 52 11 00-0047	EA	32" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.58	
		<i>For Low-E Insulated Glass, Add</i>	44.71	
		<i>For Aluminum Clad Exterior, Add</i>	47.90	
08 52 11 00-0048	EA	34" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows.....	548.80	
		<i>For Low-E Insulated Glass, Add</i>	45.74	
		<i>For Aluminum Clad Exterior, Add</i>	49.01	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0049	EA		36" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	561.51 46.98 50.34	
08 52 11 00-0050	EA		40" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	585.42 49.26 52.78	
08 52 11 00-0051	EA		44" x 46", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	610.81 51.74 55.44	
<b>08 52 11 00-0052</b>			<b>48" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0053	EA		20" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	476.60 39.12 41.91	
08 52 11 00-0054	EA		24" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	500.54 41.40 44.35	
08 52 11 00-0055	EA		28" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	522.97 43.46 46.57	
08 52 11 00-0056	EA		30" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	535.67 44.71 47.90	
08 52 11 00-0057	EA		32" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	546.89 45.74 49.01	
08 52 11 00-0058	EA		34" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	559.59 46.98 50.34	
08 52 11 00-0059	EA		36" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	570.81 48.02 51.45	
08 52 11 00-0060	EA		40" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	596.21 50.50 54.11	
08 52 11 00-0061	EA		44" x 48", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	620.13 52.78 56.55	
<b>08 52 11 00-0062</b>			<b>50" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0063	EA		20" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	491.67 40.15 43.02	
08 52 11 00-0064	EA		24" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	515.58 42.43 45.46	
08 52 11 00-0065	EA		28" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	539.50 44.71 47.90	
08 52 11 00-0066	EA		30" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	550.72 45.74 49.01	
08 52 11 00-0067	EA		32" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	563.42 46.98 50.34	
08 52 11 00-0068	EA		34" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	574.63 48.02 51.45	
08 52 11 00-0069	EA		36" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	587.34 49.26 52.78	
08 52 11 00-0070	EA		40" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	612.73 51.74 55.44	
08 52 11 00-0071	EA		44" x 50", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	636.67 54.02 57.88	
<b>08 52 11 00-0072</b>			<b>54" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b> <small>(08 52 11 00-0001)</small>		
08 52 11 00-0073	EA		20" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	515.58 42.43 45.46	
08 52 11 00-0074	EA		24" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	539.50 44.71 47.90	
08 52 11 00-0075	EA		28" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	563.42 46.98 50.34	
08 52 11 00-0076	EA		30" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	574.63 48.02 51.45	
08 52 11 00-0077	EA		32" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	587.34 49.26 52.78	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 11 00-0078	EA	34" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	600.04	
		<i>For Low-E Insulated Glass, Add</i>	50.50	
		<i>For Aluminum Clad Exterior, Add</i>	54.11	
08 52 11 00-0079	EA	36" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	612.73	
		<i>For Low-E Insulated Glass, Add</i>	51.74	
		<i>For Aluminum Clad Exterior, Add</i>	55.44	
08 52 11 00-0080	EA	40" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	636.67	
		<i>For Low-E Insulated Glass, Add</i>	54.02	
		<i>For Aluminum Clad Exterior, Add</i>	57.88	
08 52 11 00-0081	EA	44" x 54", Sash-Only Replacement Kit For Double Hung Wood Windows.....	660.58	
		<i>For Low-E Insulated Glass, Add</i>	56.30	
		<i>For Aluminum Clad Exterior, Add</i>	60.32	

**08 52 11 00-0082 58" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**

08 52 11 00-0083	EA	20" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	537.58	
		<i>For Low-E Insulated Glass, Add</i>	44.71	
		<i>For Aluminum Clad Exterior, Add</i>	47.90	
08 52 11 00-0084	EA	24" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	561.51	
		<i>For Low-E Insulated Glass, Add</i>	46.98	
		<i>For Aluminum Clad Exterior, Add</i>	50.34	
08 52 11 00-0085	EA	28" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	585.42	
		<i>For Low-E Insulated Glass, Add</i>	49.26	
		<i>For Aluminum Clad Exterior, Add</i>	52.78	
08 52 11 00-0086	EA	30" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	598.12	
		<i>For Low-E Insulated Glass, Add</i>	50.50	
		<i>For Aluminum Clad Exterior, Add</i>	54.11	
08 52 11 00-0087	EA	32" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	610.81	
		<i>For Low-E Insulated Glass, Add</i>	51.74	
		<i>For Aluminum Clad Exterior, Add</i>	55.44	
08 52 11 00-0088	EA	34" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	622.05	
		<i>For Low-E Insulated Glass, Add</i>	52.78	
		<i>For Aluminum Clad Exterior, Add</i>	56.55	
08 52 11 00-0089	EA	36" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	634.75	
		<i>For Low-E Insulated Glass, Add</i>	54.02	
		<i>For Aluminum Clad Exterior, Add</i>	57.88	
08 52 11 00-0090	EA	40" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	658.66	
		<i>For Low-E Insulated Glass, Add</i>	56.30	
		<i>For Aluminum Clad Exterior, Add</i>	60.32	
08 52 11 00-0091	EA	44" x 58", Sash-Only Replacement Kit For Double Hung Wood Windows.....	681.10	
		<i>For Low-E Insulated Glass, Add</i>	58.37	
		<i>For Aluminum Clad Exterior, Add</i>	62.54	

**08 52 11 00-0092 60" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**

08 52 11 00-0093	EA	20" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	546.89	
		<i>For Low-E Insulated Glass, Add</i>	45.74	
		<i>For Aluminum Clad Exterior, Add</i>	49.01	
08 52 11 00-0094	EA	24" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	570.81	
		<i>For Low-E Insulated Glass, Add</i>	48.02	
		<i>For Aluminum Clad Exterior, Add</i>	51.45	
08 52 11 00-0095	EA	28" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	596.21	
		<i>For Low-E Insulated Glass, Add</i>	50.50	
		<i>For Aluminum Clad Exterior, Add</i>	54.11	
08 52 11 00-0096	EA	30" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	608.91	
		<i>For Low-E Insulated Glass, Add</i>	51.74	
		<i>For Aluminum Clad Exterior, Add</i>	55.44	
08 52 11 00-0097	EA	32" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	620.13	
		<i>For Low-E Insulated Glass, Add</i>	52.78	
		<i>For Aluminum Clad Exterior, Add</i>	56.55	
08 52 11 00-0098	EA	34" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	632.83	
		<i>For Low-E Insulated Glass, Add</i>	54.02	
		<i>For Aluminum Clad Exterior, Add</i>	57.88	
08 52 11 00-0099	EA	36" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	644.06	
		<i>For Low-E Insulated Glass, Add</i>	55.06	
		<i>For Aluminum Clad Exterior, Add</i>	58.99	
08 52 11 00-0100	EA	40" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	667.97	
		<i>For Low-E Insulated Glass, Add</i>	57.33	
		<i>For Aluminum Clad Exterior, Add</i>	61.43	
08 52 11 00-0101	EA	44" x 60", Sash-Only Replacement Kit For Double Hung Wood Windows.....	691.88	
		<i>For Low-E Insulated Glass, Add</i>	59.61	
		<i>For Aluminum Clad Exterior, Add</i>	63.87	

**08 52 11 00-0102 62" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**

08 52 11 00-0103	EA	20" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	563.42	
		<i>For Low-E Insulated Glass, Add</i>	46.98	
		<i>For Aluminum Clad Exterior, Add</i>	50.34	
08 52 11 00-0104	EA	24" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	587.34	
		<i>For Low-E Insulated Glass, Add</i>	49.26	
		<i>For Aluminum Clad Exterior, Add</i>	52.78	
08 52 11 00-0105	EA	28" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	612.73	
		<i>For Low-E Insulated Glass, Add</i>	51.74	
		<i>For Aluminum Clad Exterior, Add</i>	55.44	
08 52 11 00-0106	EA	30" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows.....	623.96	
		<i>For Low-E Insulated Glass, Add</i>	52.78	
		<i>For Aluminum Clad Exterior, Add</i>	56.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 11 00-0107	EA		32" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	636.67 54.02 57.88	
08 52 11 00-0108	EA		34" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	647.88 55.06 58.99	
08 52 11 00-0109	EA		36" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	660.58 56.30 60.32	
08 52 11 00-0110	EA		40" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	683.01 58.37 62.54	
08 52 11 00-0111	EA		44" x 62", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	706.94 60.64 64.97	
<b>08 52 11 00-0112      66" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0113	EA		20" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	587.34 49.26 52.78	
08 52 11 00-0114	EA		24" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	612.73 51.74 55.44	
08 52 11 00-0115	EA		28" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	636.67 54.02 57.88	
08 52 11 00-0116	EA		30" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	647.88 55.06 58.99	
08 52 11 00-0117	EA		32" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	660.58 56.30 60.32	
08 52 11 00-0118	EA		34" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	671.80 57.33 61.43	
08 52 11 00-0119	EA		36" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	683.01 58.37 62.54	
08 52 11 00-0120	EA		40" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	706.94 60.64 64.97	
08 52 11 00-0121	EA		44" x 66", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	730.86 62.92 67.41	
<b>08 52 11 00-0122      70" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0123	EA		20" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	610.81 51.74 55.44	
08 52 11 00-0124	EA		24" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	634.75 54.02 57.88	
08 52 11 00-0125	EA		28" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	658.66 56.30 60.32	
08 52 11 00-0126	EA		30" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	669.89 57.33 61.43	
08 52 11 00-0127	EA		32" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	681.10 58.37 62.54	
08 52 11 00-0128	EA		34" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	698.19 60.22 64.52	
08 52 11 00-0129	EA		36" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	706.57 60.86 65.21	
08 52 11 00-0130	EA		40" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	728.95 62.92 67.41	
08 52 11 00-0131	EA		44" x 70", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	754.35 65.40 70.08	
<b>08 52 11 00-0132      74" Height, Sash-Only Replacement Kits For Double Hung Wood Windows</b>					
<small>(08 52 11 00-0001)</small>					
08 52 11 00-0133	EA		20" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	636.67 54.02 57.88	
08 52 11 00-0134	EA		24" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	660.58 56.30 60.32	
08 52 11 00-0135	EA		28" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows <i>For Low-E Insulated Glass, Add</i> <i>For Aluminum Clad Exterior, Add</i>	683.01 58.37 62.54	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 52 11 00-0136	EA	30" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	695.72	
		<i>For Low-E Insulated Glass, Add</i>	59.61	
		<i>For Aluminum Clad Exterior, Add</i>	63.87	
08 52 11 00-0137	EA	32" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	706.94	
		<i>For Low-E Insulated Glass, Add</i>	60.64	
		<i>For Aluminum Clad Exterior, Add</i>	64.97	
08 52 11 00-0138	EA	34" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	719.63	
		<i>For Low-E Insulated Glass, Add</i>	61.88	
		<i>For Aluminum Clad Exterior, Add</i>	66.30	
08 52 11 00-0139	EA	36" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	730.86	
		<i>For Low-E Insulated Glass, Add</i>	62.92	
		<i>For Aluminum Clad Exterior, Add</i>	67.41	
08 52 11 00-0140	EA	40" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	756.26	
		<i>For Low-E Insulated Glass, Add</i>	65.40	
		<i>For Aluminum Clad Exterior, Add</i>	70.08	
08 52 11 00-0141	EA	44" x 74", Sash-Only Replacement Kit For Double Hung Wood Windows.....	780.18	
		<i>For Low-E Insulated Glass, Add</i>	67.68	
		<i>For Aluminum Clad Exterior, Add</i>	72.51	

**08 52 11 00-0142 78" Height, Sash-Only Replacement Kits For Double Hung Wood Windows**

(08 52 11 00-0001)

08 52 11 00-0143	EA	20" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	668.23	
		<i>For Low-E Insulated Glass, Add</i>	56.30	
		<i>For Aluminum Clad Exterior, Add</i>	60.32	
08 52 11 00-0144	EA	24" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	690.68	
		<i>For Low-E Insulated Glass, Add</i>	58.37	
		<i>For Aluminum Clad Exterior, Add</i>	62.54	
08 52 11 00-0145	EA	28" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	714.59	
		<i>For Low-E Insulated Glass, Add</i>	60.64	
		<i>For Aluminum Clad Exterior, Add</i>	64.97	
08 52 11 00-0146	EA	30" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	727.30	
		<i>For Low-E Insulated Glass, Add</i>	61.88	
		<i>For Aluminum Clad Exterior, Add</i>	66.30	
08 52 11 00-0147	EA	32" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	738.52	
		<i>For Low-E Insulated Glass, Add</i>	62.92	
		<i>For Aluminum Clad Exterior, Add</i>	67.41	
08 52 11 00-0148	EA	34" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	751.22	
		<i>For Low-E Insulated Glass, Add</i>	64.16	
		<i>For Aluminum Clad Exterior, Add</i>	68.75	
08 52 11 00-0149	EA	36" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	763.92	
		<i>For Low-E Insulated Glass, Add</i>	65.40	
		<i>For Aluminum Clad Exterior, Add</i>	70.08	
08 52 11 00-0150	EA	40" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	787.84	
		<i>For Low-E Insulated Glass, Add</i>	67.68	
		<i>For Aluminum Clad Exterior, Add</i>	72.51	
08 52 11 00-0151	EA	44" x 78", Sash-Only Replacement Kit For Double Hung Wood Windows.....	811.75	
		<i>For Low-E Insulated Glass, Add</i>	69.96	
		<i>For Aluminum Clad Exterior, Add</i>	74.95	

**08 52 11 00-0152 Removal And Reinstallation Of Wood Window And Frame (08 52 11)**

Note: Includes storage, cleaning and supply materials.

08 52 11 00-0153	SF	Removal And Reinstallation Of Wood Windows And Frames.....	33.24	
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**08 52 16 Plastic-Clad Wood Windows (08 52)****08 52 16 00-0001 Double Hung Wood Clad Windows (08 52 16)**

Note: Double hung windows feature two movable sashes that operate vertically and open independently.

**08 52 16 00-0002 Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0001)**

Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.

**08 52 16 00-0003 35-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)**

08 52 16 00-0004	EA	23-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	378.56	62.90
		<i>For Low-E Insulated Glass, Add</i>	30.33	
		<i>For Tempered Clear Insulated Glass, Add</i>	50.55	
08 52 16 00-0005	EA	27-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	400.42	65.64
		<i>For Low-E Insulated Glass, Add</i>	32.30	
		<i>For Tempered Clear Insulated Glass, Add</i>	53.83	
08 52 16 00-0006	EA	31-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	420.92	68.38
		<i>For Low-E Insulated Glass, Add</i>	34.10	
		<i>For Tempered Clear Insulated Glass, Add</i>	56.83	
08 52 16 00-0007	EA	35-1/2" x 35-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	441.42	71.11
		<i>For Low-E Insulated Glass, Add</i>	35.90	
		<i>For Tempered Clear Insulated Glass, Add</i>	59.84	

**08 52 16 00-0008 41-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)**

08 52 16 00-0009	EA	23-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	409.99	67.01
		<i>For Low-E Insulated Glass, Add</i>	33.12	
		<i>For Tempered Clear Insulated Glass, Add</i>	55.19	
08 52 16 00-0010	EA	27-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	431.86	69.74
		<i>For Low-E Insulated Glass, Add</i>	35.08	
		<i>For Tempered Clear Insulated Glass, Add</i>	58.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0011	EA		31-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	452.35 36.89 61.48	72.48
08 52 16 00-0012	EA		35-1/2" x 41-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	472.85 38.69 64.48	75.21
<b>08 52 16 00-0013</b>			<b>47-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0014	EA		23-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	441.42 35.90 59.84	71.11
08 52 16 00-0015	EA		27-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	461.93 37.71 62.85	73.84
08 52 16 00-0016	EA		31-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	483.78 39.67 66.12	76.58
08 52 16 00-0017	EA		35-1/2" x 47-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	504.28 41.48 69.13	79.32
<b>08 52 16 00-0018</b>			<b>53-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0019	EA		23-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	472.85 38.69 64.48	75.21
08 52 16 00-0020	EA		27-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	493.34 40.49 67.49	77.95
08 52 16 00-0021	EA		31-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	513.85 42.30 70.50	80.68
08 52 16 00-0022	EA		35-1/2" x 53-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	535.71 44.26 73.77	83.41
<b>08 52 16 00-0023</b>			<b>56-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0024	EA		19-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	467.38 38.20 63.66	75.21
08 52 16 00-0025	EA		23-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	487.88 40.00 66.67	77.26
08 52 16 00-0026	EA		27-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	509.75 41.97 69.95	80.68
08 52 16 00-0027	EA		31-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	530.25 43.77 72.96	83.41
08 52 16 00-0028	EA		35-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	550.74 45.58 75.96	86.16
08 52 16 00-0029	EA		39-1/2" x 56-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	571.24 47.38 78.97	88.89
<b>08 52 16 00-0030</b>			<b>59-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		
08 52 16 00-0031	EA		19-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	483.78 39.67 66.12	76.58
08 52 16 00-0032	EA		23-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	504.28 41.48 69.13	79.32
08 52 16 00-0033	EA		27-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	524.78 43.28 72.14	82.05
08 52 16 00-0034	EA		31-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	545.27 45.08 75.14	84.79
08 52 16 00-0035	EA		35-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	565.77 46.89 78.15	87.52
08 52 16 00-0036	EA		39-1/2" x 59-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series)..... <i>For Low-E Insulated Glass, Add</i> <i>For Tempered Clear Insulated Glass, Add</i>	587.64 48.86 81.43	90.25
<b>08 52 16 00-0037</b>			<b>65-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series)</b> (08 52 16 00-0002)		



**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
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UNIT COST UNIT COST

08 52 16 00-0038	EA	23-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	535.71	83.41
		<i>For Low-E Insulated Glass, Add</i>	44.26	
		<i>For Tempered Clear Insulated Glass, Add</i>	73.77	
08 52 16 00-0039	EA	27-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	556.20	86.16
		<i>For Low-E Insulated Glass, Add</i>	46.07	
		<i>For Tempered Clear Insulated Glass, Add</i>	76.78	
08 52 16 00-0040	EA	31-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	576.71	88.89
		<i>For Low-E Insulated Glass, Add</i>	47.87	
		<i>For Tempered Clear Insulated Glass, Add</i>	79.79	
08 52 16 00-0041	EA	35-1/2" x 65-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	597.21	91.62
		<i>For Low-E Insulated Glass, Add</i>	49.68	
		<i>For Tempered Clear Insulated Glass, Add</i>	82.79	
<b>08 52 16 00-0042</b>		<b>71-1/2" Height, Double Hung Wood Clad Windows (Andersen 200 TW Series) (08 52 16 00-0002)</b>		
08 52 16 00-0043	EA	23-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	565.77	87.52
		<i>For Low-E Insulated Glass, Add</i>	46.89	
		<i>For Tempered Clear Insulated Glass, Add</i>	78.15	
08 52 16 00-0044	EA	27-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	587.64	90.25
		<i>For Low-E Insulated Glass, Add</i>	48.86	
		<i>For Tempered Clear Insulated Glass, Add</i>	81.43	
08 52 16 00-0045	EA	31-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	608.14	92.99
		<i>For Low-E Insulated Glass, Add</i>	50.66	
		<i>For Tempered Clear Insulated Glass, Add</i>	84.43	
08 52 16 00-0046	EA	35-1/2" x 71-1/2" Double Hung Wood Clad Window (Andersen 200 TW Series).....	628.63	95.73
		<i>For Low-E Insulated Glass, Add</i>	52.46	
		<i>For Tempered Clear Insulated Glass, Add</i>	87.44	
<b>08 52 16 00-0047</b>		<b>Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0001)</b>		
		Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0048</b>		<b>36-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0049	EA	21-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	459.16	62.90
		<i>For Tempered Low-E Insulated Glass, Add</i>	66.94	
08 52 16 00-0050	EA	25-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	486.50	64.96
		<i>For Tempered Low-E Insulated Glass, Add</i>	71.32	
08 52 16 00-0051	EA	29-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	515.18	67.69
		<i>For Tempered Low-E Insulated Glass, Add</i>	75.96	
08 52 16 00-0052	EA	31-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	530.21	69.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	78.42	
08 52 16 00-0053	EA	33-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	543.89	71.11
		<i>For Tempered Low-E Insulated Glass, Add</i>	80.61	
08 52 16 00-0054	EA	35-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	557.55	72.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	82.79	
08 52 16 00-0055	EA	37-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	572.57	73.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-0056	EA	41-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	599.90	75.90
		<i>For Tempered Low-E Insulated Glass, Add</i>	89.62	
08 52 16 00-0057	EA	45-5/8" x 36-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	628.61	78.63
		<i>For Tempered Low-E Insulated Glass, Add</i>	94.27	
<b>08 52 16 00-0058</b>		<b>40-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0059	EA	21-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	486.50	65.64
		<i>For Tempered Low-E Insulated Glass, Add</i>	71.32	
08 52 16 00-0060	EA	25-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	515.18	67.69
		<i>For Tempered Low-E Insulated Glass, Add</i>	75.96	
08 52 16 00-0061	EA	29-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	543.89	70.42
		<i>For Tempered Low-E Insulated Glass, Add</i>	80.61	
08 52 16 00-0062	EA	31-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	557.55	72.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	82.79	
08 52 16 00-0063	EA	33-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	572.57	73.84
		<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	
08 52 16 00-0064	EA	35-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	586.24	75.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	87.44	
08 52 16 00-0065	EA	37-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	599.90	75.90
		<i>For Tempered Low-E Insulated Glass, Add</i>	89.62	
08 52 16 00-0066	EA	41-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	628.61	78.63
		<i>For Tempered Low-E Insulated Glass, Add</i>	94.27	
08 52 16 00-0067	EA	45-5/8" x 40-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	657.29	81.37
		<i>For Tempered Low-E Insulated Glass, Add</i>	98.91	
<b>08 52 16 00-0068</b>		<b>44-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series) (08 52 16 00-0047)</b>		
08 52 16 00-0069	EA	21-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	515.18	68.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	75.96	
08 52 16 00-0070	EA	25-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	543.89	70.42
		<i>For Tempered Low-E Insulated Glass, Add</i>	80.61	
08 52 16 00-0071	EA	29-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series).....	572.57	73.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	85.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0072	EA		31-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	586.24 87.44	75.21
08 52 16 00-0073	EA		33-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	599.90 89.62	76.58
08 52 16 00-0074	EA		35-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	614.94 92.08	77.95
08 52 16 00-0075	EA		37-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	628.61 94.27	78.63
08 52 16 00-0076	EA		41-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	657.29 98.91	81.37
08 52 16 00-0077	EA		45-5/8" x 44-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	686.00 103.56	84.10
<b>08 52 16 00-0078</b>			<b>48-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0079	EA		21-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	543.89 80.61	71.11
08 52 16 00-0080	EA		25-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	572.57 85.25	73.16
08 52 16 00-0081	EA		29-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	599.90 89.62	75.90
08 52 16 00-0082	EA		31-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	614.94 92.08	77.95
08 52 16 00-0083	EA		33-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	628.61 94.27	79.32
08 52 16 00-0084	EA		35-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	642.27 96.45	80.68
08 52 16 00-0085	EA		37-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	657.29 98.91	81.37
08 52 16 00-0086	EA		41-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	686.00 103.56	84.10
08 52 16 00-0087	EA		45-5/8" x 48-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	713.32 107.93	86.83
<b>08 52 16 00-0088</b>			<b>52-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0089	EA		21-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	572.57 85.25	73.84
08 52 16 00-0090	EA		25-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	599.90 89.62	75.90
08 52 16 00-0091	EA		29-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	628.61 94.27	78.63
08 52 16 00-0092	EA		31-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	642.27 96.45	80.68
08 52 16 00-0093	EA		33-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	657.29 98.91	82.05
08 52 16 00-0094	EA		35-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	670.96 101.10	83.41
08 52 16 00-0095	EA		37-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	686.00 103.56	84.10
08 52 16 00-0096	EA		41-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	713.32 107.93	86.83
08 52 16 00-0097	EA		45-5/8" x 52-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	742.01 112.57	89.58
<b>08 52 16 00-0098</b>			<b>56-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0099	EA		21-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	599.90 89.62	76.58
08 52 16 00-0100	EA		25-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	628.61 94.27	78.63
08 52 16 00-0101	EA		29-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	657.29 98.91	81.37
08 52 16 00-0102	EA		31-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	670.96 101.10	83.41
08 52 16 00-0103	EA		33-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	686.00 103.56	84.79
08 52 16 00-0104	EA		35-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	699.66 105.74	86.16
08 52 16 00-0105	EA		37-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	713.32 107.93	86.83
08 52 16 00-0106	EA		41-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	742.01 112.57	89.58
08 52 16 00-0107	EA		45-5/8" x 56-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	770.72 117.22	92.31
<b>08 52 16 00-0108</b>			<b>60-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> <small>(08 52 16 00-0047)</small>		
08 52 16 00-0109	EA		21-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	628.61 94.27	79.32
08 52 16 00-0110	EA		25-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	657.29 98.91	81.37

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

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UNIT COST

08 52 16 00-0111	EA	29-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	686.00	84.10
		<i>For Tempered Low-E Insulated Glass, Add</i>	103.56	
08 52 16 00-0112	EA	31-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	699.66	86.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	105.74	
08 52 16 00-0113	EA	33-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	713.32	87.52
		<i>For Tempered Low-E Insulated Glass, Add</i>	107.93	
08 52 16 00-0114	EA	35-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	728.35	88.89
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.39	
08 52 16 00-0115	EA	37-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	742.01	89.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0116	EA	41-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	770.72	92.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	117.22	
08 52 16 00-0117	EA	45-5/8" x 60-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	798.04	95.04
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.59	

**08 52 16 00-0118 64-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)** (08 52 16 00-0047)

08 52 16 00-0119	EA	21-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	657.29	82.05
		<i>For Tempered Low-E Insulated Glass, Add</i>	98.91	
08 52 16 00-0120	EA	25-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	686.00	84.10
		<i>For Tempered Low-E Insulated Glass, Add</i>	103.56	
08 52 16 00-0121	EA	29-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	713.32	86.83
		<i>For Tempered Low-E Insulated Glass, Add</i>	107.93	
08 52 16 00-0122	EA	31-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	728.35	88.89
		<i>For Tempered Low-E Insulated Glass, Add</i>	110.39	
08 52 16 00-0123	EA	33-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	742.01	90.25
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0124	EA	35-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	755.67	91.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	114.76	
08 52 16 00-0125	EA	37-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	770.72	92.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	117.22	
08 52 16 00-0126	EA	41-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	798.04	95.04
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.59	
08 52 16 00-0127	EA	45-5/8" x 64-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	826.73	97.77
		<i>For Tempered Low-E Insulated Glass, Add</i>	126.24	

**08 52 16 00-0128 68-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)** (08 52 16 00-0047)

08 52 16 00-0129	EA	21-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	686.00	84.79
		<i>For Tempered Low-E Insulated Glass, Add</i>	103.56	
08 52 16 00-0130	EA	25-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	713.32	86.83
		<i>For Tempered Low-E Insulated Glass, Add</i>	107.93	
08 52 16 00-0131	EA	29-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	742.01	89.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0132	EA	31-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	755.67	91.62
		<i>For Tempered Low-E Insulated Glass, Add</i>	114.76	
08 52 16 00-0133	EA	33-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	770.72	92.99
		<i>For Tempered Low-E Insulated Glass, Add</i>	117.22	
08 52 16 00-0134	EA	35-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	784.38	94.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	119.41	
08 52 16 00-0135	EA	37-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	798.04	95.04
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.59	
08 52 16 00-0136	EA	41-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	826.73	97.77
		<i>For Tempered Low-E Insulated Glass, Add</i>	126.24	
08 52 16 00-0137	EA	45-5/8" x 68-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	855.44	100.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	130.88	

**08 52 16 00-0138 72-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)** (08 52 16 00-0047)

08 52 16 00-0139	EA	21-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	713.32	87.52
		<i>For Tempered Low-E Insulated Glass, Add</i>	107.93	
08 52 16 00-0140	EA	25-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	742.01	89.58
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0141	EA	29-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	770.72	92.31
		<i>For Tempered Low-E Insulated Glass, Add</i>	117.22	
08 52 16 00-0142	EA	31-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	784.38	94.36
		<i>For Tempered Low-E Insulated Glass, Add</i>	119.41	
08 52 16 00-0143	EA	33-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	798.04	95.73
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.59	
08 52 16 00-0144	EA	35-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	813.07	97.09
		<i>For Tempered Low-E Insulated Glass, Add</i>	124.05	
08 52 16 00-0145	EA	37-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	826.73	97.77
		<i>For Tempered Low-E Insulated Glass, Add</i>	126.24	
08 52 16 00-0146	EA	41-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	855.44	100.51
		<i>For Tempered Low-E Insulated Glass, Add</i>	130.88	
08 52 16 00-0147	EA	45-5/8" x 72-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	884.13	103.25
		<i>For Tempered Low-E Insulated Glass, Add</i>	135.53	

**08 52 16 00-0148 76-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)** (08 52 16 00-0047)

08 52 16 00-0149	EA	21-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)	742.01	90.25
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0150	EA		25-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	770.72 117.22	92.31
08 52 16 00-0151	EA		29-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	798.04 121.59	95.04
08 52 16 00-0152	EA		31-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	813.07 124.05	97.09
08 52 16 00-0153	EA		33-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	826.73 126.24	98.46
08 52 16 00-0154	EA		35-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	841.77 128.70	99.83
08 52 16 00-0155	EA		37-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	855.44 130.88	100.51
08 52 16 00-0156	EA		41-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	884.13 135.53	103.25
08 52 16 00-0157	EA		45-5/8" x 76-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	911.46 139.90	105.98
<b>08 52 16 00-0158</b>			<b>84-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)		
08 52 16 00-0159	EA		21-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,123.19 186.62	95.73
08 52 16 00-0160	EA		25-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,162.82 193.45	97.77
08 52 16 00-0161	EA		29-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,202.45 200.28	100.51
08 52 16 00-0162	EA		31-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,221.58 203.56	102.56
08 52 16 00-0163	EA		33-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,242.07 207.12	103.93
08 52 16 00-0164	EA		35-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,261.19 210.39	105.30
08 52 16 00-0165	EA		37-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,280.34 213.67	105.98
08 52 16 00-0166	EA		41-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,319.95 220.50	108.72
08 52 16 00-0167	EA		45-5/8" x 84-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,359.58 227.34	111.45
<b>08 52 16 00-0168</b>			<b>88-7/8" Height, Double Hung Wood Clad Windows (Andersen 400 TW Series)</b> (08 52 16 00-0047)		
08 52 16 00-0169	EA		21-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,162.82 193.45	98.46
08 52 16 00-0170	EA		25-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,202.45 200.28	100.51
08 52 16 00-0171	EA		29-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,242.07 207.12	103.25
08 52 16 00-0172	EA		31-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,261.19 210.39	105.30
08 52 16 00-0173	EA		33-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,280.34 213.67	106.67
08 52 16 00-0174	EA		35-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,300.83 217.23	108.03
08 52 16 00-0175	EA		37-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,319.95 220.50	108.72
08 52 16 00-0176	EA		41-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,359.58 227.34	111.45
08 52 16 00-0177	EA		45-5/8" x 88-7/8" Double Hung Wood Clad Window (Andersen 400 TW Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,399.21 234.17	114.18
<b>08 52 16 00-0178</b>			<b>Casement Wood Clad Windows</b> (08 52 16)		
			Note: Casement windows are hinged on one side and swing inward or outward with a crank or push out operation.		
<b>08 52 16 00-0179</b>			<b>Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0178)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0180</b>			<b>One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0179)		
<b>08 52 16 00-0181</b>			<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0180)		
08 52 16 00-0182	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	412.82 62.05	51.97
08 52 16 00-0183	EA		20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	436.17 65.90	53.33
08 52 16 00-0184	EA		24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	462.50 70.07	56.07
08 52 16 00-0185	EA		28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	486.86 73.85	58.81
<b>08 52 16 00-0186</b>			<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0180)		



**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 16 00-0187	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	442.35	54.70
		<i>For Tempered Clear Insulated Glass, Add</i>	66.86	
08 52 16 00-0188	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	465.71	56.07
		<i>For Tempered Clear Insulated Glass, Add</i>	70.71	
08 52 16 00-0189	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	492.02	58.81
		<i>For Tempered Clear Insulated Glass, Add</i>	74.88	
08 52 16 00-0190	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	505.74	61.54
		<i>For Tempered Clear Insulated Glass, Add</i>	76.53	
08 52 16 00-0191	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	535.69	64.27
		<i>For Tempered Clear Insulated Glass, Add</i>	81.70	

**08 52 16 00-0192 35-15/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** (08 52 16 00-0180)

08 52 16 00-0193	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	495.23	58.81
		<i>For Tempered Clear Insulated Glass, Add</i>	75.53	
08 52 16 00-0194	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	520.19	61.54
		<i>For Tempered Clear Insulated Glass, Add</i>	79.70	
08 52 16 00-0195	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	546.51	63.59
		<i>For Tempered Clear Insulated Glass, Add</i>	83.87	
08 52 16 00-0196	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	587.27	66.32
		<i>For Tempered Clear Insulated Glass, Add</i>	90.92	
08 52 16 00-0197	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	625.81	68.38
		<i>For Tempered Clear Insulated Glass, Add</i>	97.81	
08 52 16 00-0198	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	663.08	69.74
		<i>For Tempered Clear Insulated Glass, Add</i>	104.72	

**08 52 16 00-0199 40-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** (08 52 16 00-0180)

08 52 16 00-0200	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	530.94	62.90
		<i>For Tempered Clear Insulated Glass, Add</i>	81.30	
08 52 16 00-0201	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	554.29	64.27
		<i>For Tempered Clear Insulated Glass, Add</i>	85.15	
08 52 16 00-0202	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	580.62	67.01
		<i>For Tempered Clear Insulated Glass, Add</i>	89.32	
08 52 16 00-0203	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	639.02	69.74
		<i>For Tempered Clear Insulated Glass, Add</i>	99.91	
08 52 16 00-0204	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	679.35	72.48
		<i>For Tempered Clear Insulated Glass, Add</i>	107.15	
08 52 16 00-0205	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	717.57	75.21
		<i>For Tempered Clear Insulated Glass, Add</i>	113.70	

**08 52 16 00-0206 48" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** (08 52 16 00-0180)

08 52 16 00-0207	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	581.98	68.38
		<i>For Tempered Clear Insulated Glass, Add</i>	89.32	
08 52 16 00-0208	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	606.94	69.74
		<i>For Tempered Clear Insulated Glass, Add</i>	93.49	
08 52 16 00-0209	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	633.25	72.48
		<i>For Tempered Clear Insulated Glass, Add</i>	97.66	
08 52 16 00-0210	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	713.31	75.21
		<i>For Tempered Clear Insulated Glass, Add</i>	112.58	
08 52 16 00-0211	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	745.11	77.95
		<i>For Tempered Clear Insulated Glass, Add</i>	118.12	
08 52 16 00-0212	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	792.67	80.68
		<i>For Tempered Clear Insulated Glass, Add</i>	126.53	

**08 52 16 00-0213 52-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** (08 52 16 00-0180)

08 52 16 00-0214	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	616.33	71.11
		<i>For Tempered Clear Insulated Glass, Add</i>	95.09	
08 52 16 00-0215	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	639.67	72.48
		<i>For Tempered Clear Insulated Glass, Add</i>	98.94	
08 52 16 00-0216	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	666.00	75.21
		<i>For Tempered Clear Insulated Glass, Add</i>	103.11	
08 52 16 00-0217	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	764.50	77.95
		<i>For Tempered Clear Insulated Glass, Add</i>	121.72	
08 52 16 00-0218	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	811.49	80.68
		<i>For Tempered Clear Insulated Glass, Add</i>	130.30	
08 52 16 00-0219	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	843.05	83.41
		<i>For Tempered Clear Insulated Glass, Add</i>	135.52	

**08 52 16 00-0220 59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)** (08 52 16 00-0180)

08 52 16 00-0221	EA	17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	666.00	75.21
		<i>For Tempered Clear Insulated Glass, Add</i>	103.11	
08 52 16 00-0222	EA	20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	690.96	77.95
		<i>For Tempered Clear Insulated Glass, Add</i>	107.29	
08 52 16 00-0223	EA	24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	717.28	79.99
		<i>For Tempered Clear Insulated Glass, Add</i>	111.46	
08 52 16 00-0224	EA	28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series)	838.24	82.74
		<i>For Tempered Clear Insulated Glass, Add</i>	134.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0225	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	871.82 140.45	84.79
08 52 16 00-0226	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	916.78 148.35	87.52
<b>08 52 16 00-0227</b>			<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>		
08 52 16 00-0228	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	701.72 108.89	79.32
08 52 16 00-0229	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	725.06 112.74	80.68
08 52 16 00-0230	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	751.39 116.91	83.41
08 52 16 00-0231	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	889.98 143.54	86.16
08 52 16 00-0232	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	921.30 148.98	88.89
08 52 16 00-0233	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	968.52 157.33	91.62
<b>08 52 16 00-0234</b>			<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0180)</small>		
08 52 16 00-0235	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	751.39 116.91	83.41
08 52 16 00-0236	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	776.34 121.08	86.16
08 52 16 00-0237	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	802.66 125.25	88.20
08 52 16 00-0238	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	963.71 156.37	90.94
08 52 16 00-0239	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,001.93 163.19	92.99
08 52 16 00-0240	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,042.27 170.16	95.73
<b>08 52 16 00-0241</b>			<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0179)</small>		
<b>08 52 16 00-0242</b>			<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0243	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	728.10 118.82	67.01
08 52 16 00-0244	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	825.89 136.19	72.48
08 52 16 00-0245	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	938.80 156.58	77.95
<b>08 52 16 00-0246</b>			<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0247	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	784.47 129.00	69.74
08 52 16 00-0248	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	882.27 146.37	75.21
08 52 16 00-0249	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	995.18 166.76	80.68
<b>08 52 16 00-0250</b>			<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0251	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	777.65 127.63	69.74
08 52 16 00-0252	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	877.04 145.60	75.21
08 52 16 00-0253	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	981.02 164.20	80.68
08 52 16 00-0254	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,101.03 186.02	85.47
08 52 16 00-0255	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,181.62 200.50	89.58
08 52 16 00-0256	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,315.63 224.84	95.73
<b>08 52 16 00-0257</b>			<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0241)</small>		
08 52 16 00-0258	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	847.03 140.14	73.16
08 52 16 00-0259	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	946.43 158.11	77.95
08 52 16 00-0260	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,050.41 176.71	83.41

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-0261	EA	56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,170.43 198.53		88.89
08 52 16 00-0262	EA	62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,259.52 214.71		92.99
08 52 16 00-0263	EA	71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,630.44 286.43		99.15
<b>08 52 16 00-0264</b>		<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small></b>			
08 52 16 00-0265	EA	33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	949.41 158.43		78.63
08 52 16 00-0266	EA	40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,050.41 176.71		83.41
08 52 16 00-0267	EA	48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,154.39 195.32		88.89
08 52 16 00-0268	EA	56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,274.39 217.14		94.36
08 52 16 00-0269	EA	62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,359.80 232.58		98.46
08 52 16 00-0270	EA	71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,488.99 255.95		104.61
<b>08 52 16 00-0271</b>		<b>52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small></b>			
08 52 16 00-0272	EA	33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,017.43 170.94		81.37
08 52 16 00-0273	EA	40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,116.83 188.91		86.16
08 52 16 00-0274	EA	48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,208.91 205.13		91.62
08 52 16 00-0275	EA	56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,340.83 229.33		97.09
08 52 16 00-0276	EA	62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,430.24 245.57		101.19
08 52 16 00-0277	EA	71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,557.03 268.47		107.35
<b>08 52 16 00-0278</b>		<b>59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small></b>			
08 52 16 00-0279	EA	33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,118.43 189.23		86.16
08 52 16 00-0280	EA	40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,217.83 207.19		91.62
08 52 16 00-0281	EA	48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,321.81 225.80		97.09
08 52 16 00-0282	EA	56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,441.83 247.61		101.88
08 52 16 00-0283	EA	62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,531.25 263.86		105.98
08 52 16 00-0284	EA	71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,656.42 286.43		112.14
<b>08 52 16 00-0285</b>		<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small></b>			
08 52 16 00-0286	EA	33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,187.83 201.74		89.58
08 52 16 00-0287	EA	40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,287.22 219.70		94.36
08 52 16 00-0288	EA	48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,392.80 238.63		99.83
08 52 16 00-0289	EA	56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,512.83 260.45		105.30
<b>08 52 16 00-0290</b>		<b>71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0241)</small></b>			
08 52 16 00-0291	EA	33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,288.83 220.02		94.36
08 52 16 00-0292	EA	40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,388.23 237.99		99.83
08 52 16 00-0293	EA	48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,492.20 256.60		105.30
08 52 16 00-0294	EA	56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,612.22 278.41		110.09
08 52 16 00-0295		<b>One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0179)</small></b>			
08 52 16 00-0296		<b>24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series) <small>(08 52 16 00-0295)</small></b>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0297	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,146.74 194.07	88.20
08 52 16 00-0298	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,331.51 227.46	97.09
<b>08 52 16 00-0299</b>			<b>28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0295)</small>		
08 52 16 00-0300	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,215.74 206.77	90.94
08 52 16 00-0301	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,388.60 237.79	99.83
<b>08 52 16 00-0302</b>			<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0295)</small>		
08 52 16 00-0303	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,170.75 198.59	88.89
08 52 16 00-0304	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,318.84 225.48	95.73
08 52 16 00-0305	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,501.82 258.52	105.30
<b>08 52 16 00-0306</b>			<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0295)</small>		
08 52 16 00-0307	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,236.88 210.45	92.99
08 52 16 00-0308	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,389.84 238.31	99.15
08 52 16 00-0309	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,571.22 271.03	108.03
<b>08 52 16 00-0310</b>			<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0295)</small>		
08 52 16 00-0311	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,492.20 256.60	104.61
08 52 16 00-0312	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,673.59 289.32	113.51
<b>08 52 16 00-0313</b>			<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0295)</small>		
08 52 16 00-0314	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,560.24 269.11	107.35
08 52 16 00-0315	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,741.63 301.83	116.24
<b>08 52 16 00-0316</b>			<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0295)</small>		
08 52 16 00-0317	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,659.63 287.07	112.14
08 52 16 00-0318	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,842.63 320.12	121.71
08 52 16 00-0319			<b>Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0178)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0320			<b>One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0319)</small>		
08 52 16 00-0321			<b>24-1/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0322	EA		17" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	487.40 76.97	51.97

**08 Openings****08 50 Windows****08 52 Wood Windows**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 52 16 00-0323	EA	20-1/2" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	515.57	53.33
		<i>For Tempered Low-E Insulated Glass, Add</i>	81.78	
08 52 16 00-0324	EA	24-1/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	547.11	56.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	86.99	
08 52 16 00-0325	EA	28-3/8" x 24-1/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	576.20	58.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	91.72	
<b>08 52 16 00-0326</b>		<b>28-3/8" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0327	EA	17" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	522.95	54.70
		<i>For Tempered Low-E Insulated Glass, Add</i>	82.98	
08 52 16 00-0328	EA	20-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	551.12	56.07
		<i>For Tempered Low-E Insulated Glass, Add</i>	87.80	
08 52 16 00-0329	EA	24-1/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	582.65	58.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	93.01	
08 52 16 00-0330	EA	28-3/8" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	598.43	61.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	95.07	
08 52 16 00-0331	EA	31-1/2" x 28-3/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	634.84	64.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	101.53	
<b>08 52 16 00-0332</b>		<b>35-15/16" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0333	EA	17" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	586.66	58.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	93.81	
08 52 16 00-0334	EA	20-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	616.83	61.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	99.02	
08 52 16 00-0335	EA	24-1/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	648.37	63.59
		<i>For Tempered Low-E Insulated Glass, Add</i>	104.24	
08 52 16 00-0336	EA	28-3/8" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	697.95	66.32
		<i>For Tempered Low-E Insulated Glass, Add</i>	113.06	
08 52 16 00-0337	EA	31-1/2" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	745.09	68.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.67	
08 52 16 00-0338	EA	35-15/16" x 35-15/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	791.00	69.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	130.30	
<b>08 52 16 00-0339</b>		<b>40-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0340	EA	17" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	629.59	62.90
		<i>For Tempered Low-E Insulated Glass, Add</i>	101.03	
08 52 16 00-0341	EA	20-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	657.75	64.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	105.84	
08 52 16 00-0342	EA	24-1/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	689.29	67.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	111.05	
08 52 16 00-0343	EA	28-3/8" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	760.93	69.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	124.29	
08 52 16 00-0344	EA	31-1/2" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	810.31	72.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	133.34	
08 52 16 00-0345	EA	35-15/16" x 40-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	856.72	75.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	141.53	
<b>08 52 16 00-0346</b>		<b>48" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0347	EA	17" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	690.65	68.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	111.05	
08 52 16 00-0348	EA	20-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	720.83	69.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	116.27	
08 52 16 00-0349	EA	24-1/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	752.35	72.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	121.48	
08 52 16 00-0350	EA	28-3/8" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	851.06	75.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	140.13	
08 52 16 00-0351	EA	31-1/2" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	889.77	77.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	147.05	
08 52 16 00-0352	EA	35-15/16" x 48", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	947.86	80.68
		<i>For Tempered Low-E Insulated Glass, Add</i>	157.57	
<b>08 52 16 00-0353</b>		<b>52-13/16" Height, One Operating Sash, Casement Wood Clad Windows</b>		
		<b>(Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0354	EA	17" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	732.22	71.11
		<i>For Tempered Low-E Insulated Glass, Add</i>	118.27	
08 52 16 00-0355	EA	20-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	760.37	72.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	123.08	
08 52 16 00-0356	EA	24-1/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	791.92	75.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	128.30	
08 52 16 00-0357	EA	28-3/8" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	913.67	77.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	151.56	
08 52 16 00-0358	EA	31-1/2" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	971.39	80.68
		<i>For Tempered Low-E Insulated Glass, Add</i>	162.28	
08 52 16 00-0359	EA	35-15/16" x 52-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series)	1,009.47	83.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	168.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 52 16 00-0360</b>			<b>59-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0361	EA		17" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	791.92	75.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	128.30	
08 52 16 00-0362	EA		20-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	822.09	77.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	133.51	
08 52 16 00-0363	EA		24-1/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	853.62	79.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	138.72	
08 52 16 00-0364	EA		28-3/8" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,003.45	82.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.60	
08 52 16 00-0365	EA		31-1/2" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,044.41	84.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	174.97	
08 52 16 00-0366	EA		35-15/16" x 59-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,099.24	87.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.84	
<b>08 52 16 00-0367</b>			<b>64-13/16" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0368	EA		17" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	834.85	79.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	135.52	
08 52 16 00-0369	EA		20-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	863.01	80.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	140.33	
08 52 16 00-0370	EA		24-1/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	894.55	83.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.54	
08 52 16 00-0371	EA		28-3/8" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,066.42	86.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	178.82	
08 52 16 00-0372	EA		31-1/2" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,104.54	88.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	185.63	
08 52 16 00-0373	EA		35-15/16" x 64-13/16", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,162.21	91.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.07	
<b>08 52 16 00-0374</b>			<b>71-7/8" Height, One Operating Sash, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0320)</small>		
08 52 16 00-0375	EA		17" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	894.55	83.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	145.54	
08 52 16 00-0376	EA		20-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	924.71	86.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	150.75	
08 52 16 00-0377	EA		24-1/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	956.25	88.20
			<i>For Tempered Low-E Insulated Glass, Add</i>	155.97	
08 52 16 00-0378	EA		28-3/8" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,156.20	90.94
			<i>For Tempered Low-E Insulated Glass, Add</i>	194.87	
08 52 16 00-0379	EA		31-1/2" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,202.95	92.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	203.39	
08 52 16 00-0380	EA		35-15/16" x 71-7/8", One Operating Sash, Casement Wood Clad Window (Andersen 400 Series) .....	1,251.99	95.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	212.11	
<b>08 52 16 00-0381</b>			<b>Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0319)</small>		
<b>08 52 16 00-0382</b>			<b>24-1/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0383	EA		40-3/4" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	870.66	67.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	147.33	
08 52 16 00-0384	EA		48" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	990.17	72.48
			<i>For Tempered Low-E Insulated Glass, Add</i>	169.04	
08 52 16 00-0385	EA		56-1/2" x 24-1/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,128.57	77.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	194.54	
<b>08 52 16 00-0386</b>			<b>28-3/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0387	EA		40-3/4" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	939.76	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.05	
08 52 16 00-0388	EA		48" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,059.28	75.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	181.77	
08 52 16 00-0389	EA		56-1/2" x 28-3/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,197.68	80.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.26	
<b>08 52 16 00-0390</b>			<b>35-15/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0381)</small>		
08 52 16 00-0391	EA		33-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	931.23	69.74
			<i>For Tempered Low-E Insulated Glass, Add</i>	158.35	
08 52 16 00-0392	EA		40-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,053.09	75.21
			<i>For Tempered Low-E Insulated Glass, Add</i>	180.81	
08 52 16 00-0393	EA		48" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,180.32	80.68
			<i>For Tempered Low-E Insulated Glass, Add</i>	204.06	
08 52 16 00-0394	EA		56-1/2" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,327.60	85.47
			<i>For Tempered Low-E Insulated Glass, Add</i>	231.33	
08 52 16 00-0395	EA		62-3/4" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,426.28	89.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	249.43	
08 52 16 00-0396	EA		71-5/8" x 35-15/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,590.72	95.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	279.85	



**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0397			<b>40-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)		
08 52 16 00-0398	EA		33-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,016.26	73.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	173.99	
08 52 16 00-0399	EA		40-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,138.11	77.95
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.44	
08 52 16 00-0400	EA		48" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,265.35	83.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	219.70	
08 52 16 00-0401	EA		56-1/2" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,412.64	88.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	246.97	
08 52 16 00-0402	EA		62-3/4" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,521.95	92.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	267.19	
08 52 16 00-0403	EA		71-5/8" x 40-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,982.53	99.15
			<i>For Tempered Low-E Insulated Glass, Add</i>	356.85	
08 52 16 00-0404			<b>48" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)		
08 52 16 00-0405	EA		33-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,141.50	78.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	196.85	
08 52 16 00-0406	EA		40-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,265.35	83.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	219.70	
08 52 16 00-0407	EA		48" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,392.59	88.89
			<i>For Tempered Low-E Insulated Glass, Add</i>	242.96	
08 52 16 00-0408	EA		56-1/2" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,539.86	94.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	270.23	
08 52 16 00-0409	EA		62-3/4" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,644.57	98.46
			<i>For Tempered Low-E Insulated Glass, Add</i>	289.53	
08 52 16 00-0410	EA		71-5/8" x 48", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,802.98	104.61
			<i>For Tempered Low-E Insulated Glass, Add</i>	318.75	
08 52 16 00-0411			<b>52-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)		
08 52 16 00-0412	EA		33-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,225.15	81.37
			<i>For Tempered Low-E Insulated Glass, Add</i>	212.48	
08 52 16 00-0413	EA		40-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,347.01	86.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	234.94	
08 52 16 00-0414	EA		48" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,462.34	91.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	255.82	
08 52 16 00-0415	EA		56-1/2" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,621.53	97.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	285.47	
08 52 16 00-0416	EA		62-3/4" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,731.25	101.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	305.77	
08 52 16 00-0417	EA		71-5/8" x 52-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,886.66	107.35
			<i>For Tempered Low-E Insulated Glass, Add</i>	334.39	
08 52 16 00-0418			<b>59-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)		
08 52 16 00-0419	EA		33-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,349.01	86.16
			<i>For Tempered Low-E Insulated Glass, Add</i>	235.34	
08 52 16 00-0420	EA		40-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,470.86	91.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	257.80	
08 52 16 00-0421	EA		48" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,598.11	97.09
			<i>For Tempered Low-E Insulated Glass, Add</i>	281.06	
08 52 16 00-0422	EA		56-1/2" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,745.39	101.88
			<i>For Tempered Low-E Insulated Glass, Add</i>	308.33	
08 52 16 00-0423	EA		62-3/4" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,855.12	105.98
			<i>For Tempered Low-E Insulated Glass, Add</i>	328.63	
08 52 16 00-0424	EA		71-5/8" x 59-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	2,008.51	112.14
			<i>For Tempered Low-E Insulated Glass, Add</i>	356.85	
08 52 16 00-0425			<b>64-13/16" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)		
08 52 16 00-0426	EA		33-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,434.05	89.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	250.98	
08 52 16 00-0427	EA		40-3/4" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,555.90	94.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	273.44	
08 52 16 00-0428	EA		48" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,685.14	99.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	297.10	
08 52 16 00-0429	EA		56-1/2" x 64-13/16", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,832.43	105.30
			<i>For Tempered Low-E Insulated Glass, Add</i>	324.37	
08 52 16 00-0430			<b>71-7/8" Height, Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> (08 52 16 00-0381)		
08 52 16 00-0431	EA		33-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,557.91	94.36
			<i>For Tempered Low-E Insulated Glass, Add</i>	273.84	
08 52 16 00-0432	EA		40-3/4" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) .....	1,679.77	99.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	296.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0433	EA		48" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,806.99 319.55	105.30
08 52 16 00-0434	EA		56-1/2" x 71-7/8", Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,954.28 346.82	110.09
08 52 16 00-0435			<b>One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0435)</small>		
08 52 16 00-0436			<b>24-1/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0435)</small>		
08 52 16 00-0437	EA		71-7/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,386.34 241.99	88.20
08 52 16 00-0438	EA		84-5/8" x 24-1/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,609.88 283.14	97.09
08 52 16 00-0439			<b>28-3/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0435)</small>		
08 52 16 00-0440	EA		71-7/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,468.25 257.28	90.94
08 52 16 00-0441	EA		84-5/8" x 28-3/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,679.88 296.05	99.83
08 52 16 00-0442			<b>35-15/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0435)</small>		
08 52 16 00-0443	EA		61" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,413.04 247.05	88.89
08 52 16 00-0444	EA		71-7/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,594.73 280.66	95.73
08 52 16 00-0445	EA		84-5/8" x 35-15/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,819.02 321.96	105.30
08 52 16 00-0446			<b>40-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0435)</small>		
08 52 16 00-0447	EA		61" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,493.99 261.87	92.99
08 52 16 00-0448	EA		71-7/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,681.77 296.70	99.15
08 52 16 00-0449	EA		84-5/8" x 40-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,904.06 337.60	108.03
08 52 16 00-0450			<b>48" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0435)</small>		
08 52 16 00-0451	EA		71-7/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,806.99 319.55	104.61
08 52 16 00-0452	EA		84-5/8" x 48", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,029.29 360.46	113.51
08 52 16 00-0453			<b>52-13/16" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0435)</small>		
08 52 16 00-0454	EA		71-7/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,890.67 335.19	107.35
08 52 16 00-0455	EA		84-5/8" x 52-13/16", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,112.96 376.10	116.24
08 52 16 00-0456			<b>59-7/8" Height, One Stationary Sash And Two Operating Sashes, Casement Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0435)</small>		
08 52 16 00-0457	EA		71-7/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,012.52 357.65	112.14
08 52 16 00-0458	EA		84-5/8" x 59-7/8", One Stationary Sash And Two Operating Sashes, Casement Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,236.82 398.95	121.71

**08 Openings****08 50 Windows****08 52 Wood Windows**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0459			<b>Awning Wood Clad Windows</b> (08 52 16)		
			Note: Awning windows are hinged at the top of the frame and swing outward with a crank or push out operation.		
08 52 16 00-0460			<b>Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0459)		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0461			<b>Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0460)		
08 52 16 00-0462			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0463	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	447.20	56.07
			For Tempered Clear Insulated Glass, Add .....	67.01	
08 52 16 00-0464	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	478.33	58.81
			For Tempered Clear Insulated Glass, Add .....	72.15	
08 52 16 00-0465	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	503.75	60.85
			For Tempered Clear Insulated Glass, Add .....	76.41	
08 52 16 00-0466	EA		35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	536.03	63.59
			For Tempered Clear Insulated Glass, Add .....	81.77	
08 52 16 00-0467	EA		40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	573.34	67.01
			For Tempered Clear Insulated Glass, Add .....	87.86	
08 52 16 00-0468	EA		48" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	630.79	72.48
			For Tempered Clear Insulated Glass, Add .....	97.17	
08 52 16 00-0469	EA		52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	666.75	75.21
			For Tempered Clear Insulated Glass, Add .....	103.26	
08 52 16 00-0470	EA		59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	719.63	80.68
			For Tempered Clear Insulated Glass, Add .....	111.93	
08 52 16 00-0471	EA		64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	740.19	83.41
			For Tempered Clear Insulated Glass, Add .....	114.67	
08 52 16 00-0472	EA		71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	792.52	88.20
			For Tempered Clear Insulated Glass, Add .....	123.22	
08 52 16 00-0473			<b>20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0474	EA		24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	471.34	58.81
			For Tempered Clear Insulated Glass, Add .....	71.02	
08 52 16 00-0475	EA		28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	504.89	61.54
			For Tempered Clear Insulated Glass, Add .....	76.64	
08 52 16 00-0476	EA		31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	526.90	62.90
			For Tempered Clear Insulated Glass, Add .....	80.22	
08 52 16 00-0477	EA		35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	562.58	65.64
			For Tempered Clear Insulated Glass, Add .....	86.26	
08 52 16 00-0478	EA		40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	599.89	69.74
			For Tempered Clear Insulated Glass, Add .....	92.36	
08 52 16 00-0479	EA		48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	655.75	74.53
			For Tempered Clear Insulated Glass, Add .....	101.34	
08 52 16 00-0480	EA		52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	691.70	77.95
			For Tempered Clear Insulated Glass, Add .....	107.43	
08 52 16 00-0481	EA		59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	746.18	82.05
			For Tempered Clear Insulated Glass, Add .....	116.42	
08 52 16 00-0482	EA		64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	764.88	86.16
			For Tempered Clear Insulated Glass, Add .....	118.79	
08 52 16 00-0483	EA		71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	818.79	90.25
			For Tempered Clear Insulated Glass, Add .....	127.66	
08 52 16 00-0484	EA		84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,243.94	99.83
			For Tempered Clear Insulated Glass, Add .....	209.13	
08 52 16 00-0485			<b>24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		
08 52 16 00-0486	EA		24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	501.68	61.54
			For Tempered Clear Insulated Glass, Add .....	75.99	
08 52 16 00-0487	EA		28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	532.82	64.27
			For Tempered Clear Insulated Glass, Add .....	81.13	
08 52 16 00-0488	EA		31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	554.14	65.64
			For Tempered Clear Insulated Glass, Add .....	84.57	
08 52 16 00-0489	EA		35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	590.51	68.38
			For Tempered Clear Insulated Glass, Add .....	90.75	
08 52 16 00-0490	EA		40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	627.83	72.48
			For Tempered Clear Insulated Glass, Add .....	96.85	
08 52 16 00-0491	EA		48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	685.28	77.26
			For Tempered Clear Insulated Glass, Add .....	106.15	
08 52 16 00-0492	EA		52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	721.23	80.68
			For Tempered Clear Insulated Glass, Add .....	112.25	
08 52 16 00-0493	EA		59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	775.71	84.79
			For Tempered Clear Insulated Glass, Add .....	121.23	
08 52 16 00-0494	EA		64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	792.52	88.89
			For Tempered Clear Insulated Glass, Add .....	123.22	
08 52 16 00-0495	EA		71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	844.79	92.99
			For Tempered Clear Insulated Glass, Add .....	131.76	
08 52 16 00-0496	EA		84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,307.90	102.56
			For Tempered Clear Insulated Glass, Add .....	220.83	
08 52 16 00-0497			<b>28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0498	EA		24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	502.34 75.03	64.27
08 52 16 00-0499	EA		28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	549.52 83.37	67.01
08 52 16 00-0500	EA		31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	580.01 88.65	68.38
08 52 16 00-0501	EA		35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	636.08 98.77	71.11
08 52 16 00-0502	EA		40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	692.65 108.72	75.21
08 52 16 00-0503	EA		48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	775.77 123.15	79.99
08 52 16 00-0504	EA		52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	829.36 132.78	83.41
08 52 16 00-0505	EA		59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	911.11 147.21	87.52
08 52 16 00-0506	EA		64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	942.10 152.05	91.62
08 52 16 00-0507	EA		71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,021.37 165.98	95.73
08 52 16 00-0508	EA		84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,343.41 226.84	105.30
<b>08 52 16 00-0509</b>			<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0510	EA		28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	580.01 88.65	68.38
08 52 16 00-0511	EA		31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	612.69 94.37	70.42
08 52 16 00-0512	EA		35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	657.60 102.26	73.16
08 52 16 00-0513	EA		40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	707.97 110.96	76.58
08 52 16 00-0514	EA		48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	781.49 123.48	82.05
08 52 16 00-0515	EA		52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	831.85 132.46	84.79
08 52 16 00-0516	EA		59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	904.00 144.97	90.25
08 52 16 00-0517	EA		64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	954.37 153.68	92.99
08 52 16 00-0518	EA		71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,027.88 166.47	97.77
08 52 16 00-0519	EA		84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,430.24 243.38	106.67
<b>08 52 16 00-0520</b>			<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0521	EA		31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	657.60 102.26	73.16
08 52 16 00-0522	EA		35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	721.04 113.85	75.90
08 52 16 00-0523	EA		40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	777.60 123.79	79.32
08 52 16 00-0524	EA		48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	860.73 138.23	84.79
08 52 16 00-0525	EA		52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	915.92 148.18	87.52
08 52 16 00-0526	EA		59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	996.08 162.29	92.99
08 52 16 00-0527	EA		64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	877.25 137.16	95.73
08 52 16 00-0528	EA		71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	940.67 147.93	100.51
<b>08 52 16 00-0529</b>			<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0530	EA		35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	767.98 121.87	79.32
08 52 16 00-0531	EA		40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	861.44 139.19	83.41
<b>08 52 16 00-0532</b>			<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0461)</small>		
08 52 16 00-0533	EA		35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	908.85 147.86	84.79
08 52 16 00-0534	EA		40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,003.91 165.50	88.89
08 52 16 00-0535	EA		48" x 48", Venting, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	1,143.17 191.16	93.67



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 52 16 00-0536		<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)			
08 52 16 00-0537	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,119.24		92.31
		<i>For Tempered Clear Insulated Glass, Add</i> .....	186.92		
08 52 16 00-0538	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,202.68		95.73
		<i>For Tempered Clear Insulated Glass, Add</i> .....	202.25		
08 52 16 00-0539		<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0461)			
08 52 16 00-0540	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,220.20		92.99
		<i>For Tempered Clear Insulated Glass, Add</i> .....	206.84		
08 52 16 00-0541	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,264.48		100.51
		<i>For Tempered Clear Insulated Glass, Add</i> .....	212.69		
08 52 16 00-0542	EA	31-1/2" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,395.94		103.93
		<i>For Tempered Clear Insulated Glass, Add</i> .....	237.62		
08 52 16 00-0543	EA	48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 200 Series) .....	1,531.22		109.40
		<i>For Tempered Clear Insulated Glass, Add</i> .....	262.48		
08 52 16 00-0544		<b>Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0460)			
08 52 16 00-0545		<b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)			
08 52 16 00-0546	EA	24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	397.48		56.07
		<i>For Tempered Clear Insulated Glass, Add</i> .....	57.07		
08 52 16 00-0547	EA	28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	427.00		58.81
		<i>For Tempered Clear Insulated Glass, Add</i> .....	61.88		
08 52 16 00-0548	EA	31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	446.62		60.85
		<i>For Tempered Clear Insulated Glass, Add</i> .....	64.98		
08 52 16 00-0549	EA	35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	478.28		63.59
		<i>For Tempered Clear Insulated Glass, Add</i> .....	70.22		
08 52 16 00-0550	EA	40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	512.39		67.01
		<i>For Tempered Clear Insulated Glass, Add</i> .....	75.67		
08 52 16 00-0551	EA	48" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	565.02		72.48
		<i>For Tempered Clear Insulated Glass, Add</i> .....	84.01		
08 52 16 00-0552	EA	52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	596.17		75.21
		<i>For Tempered Clear Insulated Glass, Add</i> .....	89.15		
08 52 16 00-0553	EA	59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	645.84		80.68
		<i>For Tempered Clear Insulated Glass, Add</i> .....	97.17		
08 52 16 00-0554	EA	64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	679.95		83.41
		<i>For Tempered Clear Insulated Glass, Add</i> .....	102.62		
08 52 16 00-0555	EA	71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	729.62		88.20
		<i>For Tempered Clear Insulated Glass, Add</i> .....	110.64		
08 52 16 00-0556		<b>20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)			
08 52 16 00-0557	EA	24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	420.82		58.81
		<i>For Tempered Clear Insulated Glass, Add</i> .....	60.92		
08 52 16 00-0558	EA	28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	450.35		61.54
		<i>For Tempered Clear Insulated Glass, Add</i> .....	65.73		
08 52 16 00-0559	EA	31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	468.40		62.90
		<i>For Tempered Clear Insulated Glass, Add</i> .....	68.52		
08 52 16 00-0560	EA	35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	503.23		65.64
		<i>For Tempered Clear Insulated Glass, Add</i> .....	74.39		
08 52 16 00-0561	EA	40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	537.33		69.74
		<i>For Tempered Clear Insulated Glass, Add</i> .....	79.84		
08 52 16 00-0562	EA	48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	588.38		74.53
		<i>For Tempered Clear Insulated Glass, Add</i> .....	87.86		
08 52 16 00-0563	EA	52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	621.12		77.95
		<i>For Tempered Clear Insulated Glass, Add</i> .....	93.32		
08 52 16 00-0564	EA	59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	669.19		82.05
		<i>For Tempered Clear Insulated Glass, Add</i> .....	101.02		
08 52 16 00-0565	EA	64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	704.90		86.16
		<i>For Tempered Clear Insulated Glass, Add</i> .....	106.79		
08 52 16 00-0566	EA	71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	752.97		90.25
		<i>For Tempered Clear Insulated Glass, Add</i> .....	114.49		
08 52 16 00-0567		<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> (08 52 16 00-0544)			
08 52 16 00-0568	EA	24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	447.15		61.54
		<i>For Tempered Clear Insulated Glass, Add</i> .....	65.09		
08 52 16 00-0569	EA	28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	476.68		64.27
		<i>For Tempered Clear Insulated Glass, Add</i> .....	69.90		
08 52 16 00-0570	EA	31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	492.92		65.64
		<i>For Tempered Clear Insulated Glass, Add</i> .....	72.33		
08 52 16 00-0571	EA	35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	527.95		68.38
		<i>For Tempered Clear Insulated Glass, Add</i> .....	78.24		
08 52 16 00-0572	EA	40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	562.06		72.48
		<i>For Tempered Clear Insulated Glass, Add</i> .....	83.69		
08 52 16 00-0573	EA	48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	613.10		77.26
		<i>For Tempered Clear Insulated Glass, Add</i> .....	91.71		
08 52 16 00-0574	EA	52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	645.84		80.68
		<i>For Tempered Clear Insulated Glass, Add</i> .....	97.17		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0575	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	695.51	84.79
			<i>For Tempered Clear Insulated Glass, Add</i>	105.19	
08 52 16 00-0576	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	729.62	88.89
			<i>For Tempered Clear Insulated Glass, Add</i>	110.64	
08 52 16 00-0577	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	779.29	92.99
			<i>For Tempered Clear Insulated Glass, Add</i>	118.66	
<b>08 52 16 00-0578</b>			<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0579	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	451.01	64.27
			<i>For Tempered Clear Insulated Glass, Add</i>	64.77	
08 52 16 00-0580	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	490.17	67.01
			<i>For Tempered Clear Insulated Glass, Add</i>	71.50	
08 52 16 00-0581	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	511.99	68.38
			<i>For Tempered Clear Insulated Glass, Add</i>	75.05	
08 52 16 00-0582	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	533.42	71.11
			<i>For Tempered Clear Insulated Glass, Add</i>	78.24	
08 52 16 00-0583	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	606.03	75.21
			<i>For Tempered Clear Insulated Glass, Add</i>	91.39	
08 52 16 00-0584	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	673.11	79.99
			<i>For Tempered Clear Insulated Glass, Add</i>	102.62	
08 52 16 00-0585	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	717.08	83.41
			<i>For Tempered Clear Insulated Glass, Add</i>	110.32	
08 52 16 00-0586	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	782.79	87.52
			<i>For Tempered Clear Insulated Glass, Add</i>	121.55	
08 52 16 00-0587	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	829.72	91.62
			<i>For Tempered Clear Insulated Glass, Add</i>	129.57	
08 52 16 00-0588	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	895.44	95.73
			<i>For Tempered Clear Insulated Glass, Add</i>	140.80	
<b>08 52 16 00-0589</b>			<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0590	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	511.99	68.38
			<i>For Tempered Clear Insulated Glass, Add</i>	75.05	
08 52 16 00-0591	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	539.23	70.42
			<i>For Tempered Clear Insulated Glass, Add</i>	79.67	
08 52 16 00-0592	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	575.98	73.16
			<i>For Tempered Clear Insulated Glass, Add</i>	85.93	
08 52 16 00-0593	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	618.19	76.58
			<i>For Tempered Clear Insulated Glass, Add</i>	93.01	
08 52 16 00-0594	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	679.46	82.05
			<i>For Tempered Clear Insulated Glass, Add</i>	103.07	
08 52 16 00-0595	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	720.30	84.79
			<i>For Tempered Clear Insulated Glass, Add</i>	110.15	
08 52 16 00-0596	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	780.21	90.25
			<i>For Tempered Clear Insulated Glass, Add</i>	120.21	
08 52 16 00-0597	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	821.06	92.99
			<i>For Tempered Clear Insulated Glass, Add</i>	127.02	
08 52 16 00-0598	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	880.96	97.77
			<i>For Tempered Clear Insulated Glass, Add</i>	137.08	
<b>08 52 16 00-0599</b>			<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0544)</small>		
08 52 16 00-0600	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	575.98	73.16
			<i>For Tempered Clear Insulated Glass, Add</i>	85.93	
08 52 16 00-0601	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	629.61	75.90
			<i>For Tempered Clear Insulated Glass, Add</i>	95.56	
08 52 16 00-0602	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	674.95	79.32
			<i>For Tempered Clear Insulated Glass, Add</i>	103.26	
08 52 16 00-0603	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	743.63	84.79
			<i>For Tempered Clear Insulated Glass, Add</i>	114.81	
08 52 16 00-0604	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	787.60	87.52
			<i>For Tempered Clear Insulated Glass, Add</i>	122.51	
08 52 16 00-0605	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	853.32	92.99
			<i>For Tempered Clear Insulated Glass, Add</i>	133.74	
08 52 16 00-0606	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	898.65	95.73
			<i>For Tempered Clear Insulated Glass, Add</i>	141.44	
08 52 16 00-0607	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 200 Series) .....	964.37	100.51
			<i>For Tempered Clear Insulated Glass, Add</i>	152.67	
<b>08 52 16 00-0608</b>			<b>Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0459)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0609</b>			<b>Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0608)</small>		
<b>08 52 16 00-0610</b>			<b>17" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>		
08 52 16 00-0611	EA		24-1/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	526.60	56.07
			<i>For Tempered Low-E Insulated Glass, Add</i>	82.89	
08 52 16 00-0612	EA		28-3/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	564.14	58.81
			<i>For Tempered Low-E Insulated Glass, Add</i>	89.31	
08 52 16 00-0613	EA		31-1/2" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series) .....	594.90	60.85
			<i>For Tempered Low-E Insulated Glass, Add</i>	94.64	

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 52 16 00-0614	EA	35-15/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	633.87	63.59
		<i>For Tempered Low-E Insulated Glass, Add</i>	101.34	
08 52 16 00-0615	EA	40-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	678.81	67.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	108.96	
08 52 16 00-0616	EA	48" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	747.88	72.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.59	
08 52 16 00-0617	EA	52-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	791.46	75.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	128.21	
08 52 16 00-0618	EA	59-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	855.17	80.68
		<i>For Tempered Low-E Insulated Glass, Add</i>	139.03	
08 52 16 00-0619	EA	64-13/16" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	879.16	83.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	142.46	
08 52 16 00-0620	EA	71-7/8" x 17", Venting, Awning Wood Clad Window (Andersen 400 Series)	942.18	88.20
		<i>For Tempered Low-E Insulated Glass, Add</i>	153.15	

**08 52 16 00-0621 20-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)**

(08 52 16 00-0609)

08 52 16 00-0622	EA	24-1/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	555.75	58.81
		<i>For Tempered Low-E Insulated Glass, Add</i>	87.90	
08 52 16 00-0623	EA	28-3/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	596.32	61.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	94.92	
08 52 16 00-0624	EA	31-1/2" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	622.81	62.90
		<i>For Tempered Low-E Insulated Glass, Add</i>	99.40	
08 52 16 00-0625	EA	35-15/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	666.04	65.64
		<i>For Tempered Low-E Insulated Glass, Add</i>	106.95	
08 52 16 00-0626	EA	40-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	710.97	69.74
		<i>For Tempered Low-E Insulated Glass, Add</i>	114.57	
08 52 16 00-0627	EA	48" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	778.06	74.53
		<i>For Tempered Low-E Insulated Glass, Add</i>	125.80	
08 52 16 00-0628	EA	52-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	821.63	77.95
		<i>For Tempered Low-E Insulated Glass, Add</i>	133.42	
08 52 16 00-0629	EA	59-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	887.34	82.05
		<i>For Tempered Low-E Insulated Glass, Add</i>	144.65	
08 52 16 00-0630	EA	64-13/16" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	909.00	86.16
		<i>For Tempered Low-E Insulated Glass, Add</i>	147.61	
08 52 16 00-0631	EA	71-7/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	974.00	90.25
		<i>For Tempered Low-E Insulated Glass, Add</i>	158.70	
08 52 16 00-0632	EA	84-5/8" x 20-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,500.98	99.83
		<i>For Tempered Low-E Insulated Glass, Add</i>	260.54	

**08 52 16 00-0633 24-1/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)**

(08 52 16 00-0609)

08 52 16 00-0634	EA	24-1/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	592.31	61.54
		<i>For Tempered Low-E Insulated Glass, Add</i>	94.12	
08 52 16 00-0635	EA	28-3/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	629.86	64.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	100.54	
08 52 16 00-0636	EA	31-1/2" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	655.48	65.64
		<i>For Tempered Low-E Insulated Glass, Add</i>	104.84	
08 52 16 00-0637	EA	35-15/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	699.58	68.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	112.57	
08 52 16 00-0638	EA	40-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	744.52	72.48
		<i>For Tempered Low-E Insulated Glass, Add</i>	120.19	
08 52 16 00-0639	EA	48" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	813.61	77.26
		<i>For Tempered Low-E Insulated Glass, Add</i>	131.82	
08 52 16 00-0640	EA	52-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	857.17	80.68
		<i>For Tempered Low-E Insulated Glass, Add</i>	139.43	
08 52 16 00-0641	EA	59-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	922.88	84.79
		<i>For Tempered Low-E Insulated Glass, Add</i>	150.66	
08 52 16 00-0642	EA	64-13/16" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	942.18	88.89
		<i>For Tempered Low-E Insulated Glass, Add</i>	153.15	
08 52 16 00-0643	EA	71-7/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,005.13	92.99
		<i>For Tempered Low-E Insulated Glass, Add</i>	163.83	
08 52 16 00-0644	EA	84-5/8" x 24-1/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,579.58	102.56
		<i>For Tempered Low-E Insulated Glass, Add</i>	275.16	

**08 52 16 00-0645 28-3/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)**

(08 52 16 00-0609)

08 52 16 00-0646	EA	24-1/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	591.77	64.27
		<i>For Tempered Low-E Insulated Glass, Add</i>	92.92	
08 52 16 00-0647	EA	28-3/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	649.37	67.01
		<i>For Tempered Low-E Insulated Glass, Add</i>	103.34	
08 52 16 00-0648	EA	31-1/2" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	686.46	68.38
		<i>For Tempered Low-E Insulated Glass, Add</i>	109.94	
08 52 16 00-0649	EA	35-15/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 200 Series)	755.18	71.11
		<i>For Tempered Low-E Insulated Glass, Add</i>	122.59	
08 52 16 00-0650	EA	40-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	824.18	75.21
		<i>For Tempered Low-E Insulated Glass, Add</i>	135.02	
08 52 16 00-0651	EA	48" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	925.34	79.99
		<i>For Tempered Low-E Insulated Glass, Add</i>	153.07	
08 52 16 00-0652	EA	52-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	990.96	83.41
		<i>For Tempered Low-E Insulated Glass, Add</i>	165.10	
08 52 16 00-0653	EA	59-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series)	1,090.76	87.52
		<i>For Tempered Low-E Insulated Glass, Add</i>	183.14	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 52 16 00-0654	EA	64-13/16" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,127.79 189.18	91.62
08 52 16 00-0655	EA	71-7/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,399.10 241.53	95.73
08 52 16 00-0656	EA	84-5/8" x 28-3/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,622.60 282.68	105.30
<b>08 52 16 00-0657</b>		<b>31-1/2" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>			
08 52 16 00-0658	EA	28-3/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		686.46 109.94	68.38
08 52 16 00-0659	EA	31-1/2" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		726.28 117.08	70.42
08 52 16 00-0660	EA	35-15/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		781.06 126.95	73.16
08 52 16 00-0661	EA	40-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		842.31 137.83	76.58
08 52 16 00-0662	EA	48" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		931.47 153.47	82.05
08 52 16 00-0663	EA	52-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		993.06 164.70	84.79
08 52 16 00-0664	EA	59-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,080.85 180.34	90.25
08 52 16 00-0665	EA	64-13/16" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,142.11 191.23	92.99
08 52 16 00-0666	EA	71-7/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,231.60 207.21	97.77
08 52 16 00-0667	EA	84-5/8" x 31-1/2", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,730.11 303.36	106.67
<b>08 52 16 00-0668</b>		<b>35-15/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>			
08 52 16 00-0669	EA	31-1/2" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		781.06 126.95	73.16
08 52 16 00-0670	EA	35-15/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		858.99 141.44	75.90
08 52 16 00-0671	EA	40-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		927.98 153.87	79.32
08 52 16 00-0672	EA	48" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,029.15 171.92	84.79
08 52 16 00-0673	EA	52-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,096.78 184.35	87.52
08 52 16 00-0674	EA	59-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,194.58 201.99	92.99
08 52 16 00-0675	EA	64-13/16" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,044.33 170.58	95.73
08 52 16 00-0676	EA	71-7/8" x 35-15/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,121.22 184.04	100.51
<b>08 52 16 00-0677</b>		<b>40-3/4" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>			
08 52 16 00-0678	EA	35-15/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		909.11 151.46	79.32
08 52 16 00-0679	EA	40-13/16" x 40-3/4", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,035.17 173.12	84.79
<b>08 52 16 00-0680</b>		<b>48" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>			
08 52 16 00-0681	EA	35-15/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,089.30 183.95	84.79
08 52 16 00-0682	EA	40-13/16" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,206.42 206.00	88.89
08 52 16 00-0683	EA	48" x 48", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,377.76 238.08	93.67
<b>08 52 16 00-0684</b>		<b>59-13/16" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>			
08 52 16 00-0685	EA	35-15/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,348.54 232.78	92.31
08 52 16 00-0686	EA	40-13/16" x 59-13/16", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,451.13 251.94	95.73
<b>08 52 16 00-0687</b>		<b>71-7/8" Height, Venting, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0609)</small>			
08 52 16 00-0688	EA	24-1/8" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,474.39 257.68	92.99
08 52 16 00-0689	EA	35-15/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,525.98 264.99	100.51
08 52 16 00-0690	EA	40-13/16" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>		1,688.60 296.15	103.93

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0691	EA		48" x 71-7/8", Venting, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,854.95 327.23	109.40
<b>08 52 16 00-0692</b>			<b>Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
<b>08 52 16 00-0693</b>			<b>17" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0694	EA		24-1/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	464.44 70.46	56.07
08 52 16 00-0695	EA		28-3/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	499.98 76.48	58.81
08 52 16 00-0696	EA		31-1/2" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	523.48 80.35	60.85
08 52 16 00-0697	EA		35-15/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	561.69 86.90	63.59
08 52 16 00-0698	EA		40-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	602.62 93.72	67.01
08 52 16 00-0699	EA		48" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	665.68 104.15	72.48
08 52 16 00-0700	EA		52-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	703.24 110.56	75.21
08 52 16 00-0701	EA		59-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	762.93 120.59	80.68
08 52 16 00-0702	EA		64-13/16" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	803.86 127.40	83.41
08 52 16 00-0703	EA		71-7/8" x 17", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	863.56 137.43	88.20
<b>08 52 16 00-0704</b>			<b>20-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0705	EA		24-1/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	492.60 75.27	58.81
08 52 16 00-0706	EA		28-3/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	528.15 81.29	61.54
08 52 16 00-0707	EA		31-1/2" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	549.69 84.78	62.90
08 52 16 00-0708	EA		35-15/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	591.86 92.12	65.64
08 52 16 00-0709	EA		40-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	632.77 98.93	69.74
08 52 16 00-0710	EA		48" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	693.85 108.96	74.53
08 52 16 00-0711	EA		52-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	733.40 115.77	77.95
08 52 16 00-0712	EA		59-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	791.09 125.40	82.05
08 52 16 00-0713	EA		64-13/16" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	834.03 132.62	86.16
08 52 16 00-0714	EA		71-7/8" x 20-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	891.72 142.24	90.25
<b>08 52 16 00-0715</b>			<b>24-1/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0716	EA		24-1/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	524.14 80.49	61.54
08 52 16 00-0717	EA		28-3/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	559.69 86.50	64.27
08 52 16 00-0718	EA		31-1/2" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	578.96 89.54	65.64
08 52 16 00-0719	EA		35-15/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	621.39 96.93	68.38
08 52 16 00-0720	EA		40-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	662.31 103.74	72.48
08 52 16 00-0721	EA		48" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	723.38 113.77	77.26
08 52 16 00-0722	EA		52-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	762.93 120.59	80.68
08 52 16 00-0723	EA		59-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	822.63 130.61	84.79
08 52 16 00-0724	EA		64-13/16" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	863.56 137.43	88.89
08 52 16 00-0725	EA		71-7/8" x 24-1/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	923.25 147.45	92.99
<b>08 52 16 00-0726</b>			<b>28-3/8" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0727	EA		24-1/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	527.60 80.08	64.27
08 52 16 00-0728	EA		28-3/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	575.18 88.51	67.01
08 52 16 00-0729	EA		31-1/2" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	601.44 92.94	68.38



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0730	EA		35-15/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	626.86 96.93	71.11
08 52 16 00-0731	EA		40-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	715.90 113.37	75.21
08 52 16 00-0732	EA		48" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	797.02 127.40	79.99
08 52 16 00-0733	EA		52-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	850.61 137.03	83.41
08 52 16 00-0734	EA		59-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	930.36 151.06	87.52
08 52 16 00-0735	EA		64-13/16" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	987.31 161.09	91.62
08 52 16 00-0736	EA		71-7/8" x 28-3/8", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,067.07 175.12	95.73
<b>08 52 16 00-0737</b>			<b>31-1/2" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0738	EA		28-3/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 200 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	601.44 92.94	68.38
08 52 16 00-0739	EA		31-1/2" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	634.46 98.72	70.42
08 52 16 00-0740	EA		35-15/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	679.03 106.54	73.16
08 52 16 00-0741	EA		40-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	730.08 115.38	76.58
08 52 16 00-0742	EA		48" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	803.94 127.97	82.05
08 52 16 00-0743	EA		52-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	853.62 136.81	84.79
08 52 16 00-0744	EA		59-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	926.11 149.39	90.25
08 52 16 00-0745	EA		64-13/16" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	975.46 157.90	92.99
08 52 16 00-0746	EA		71-7/8" x 31-1/2", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,047.95 170.48	97.77
<b>08 52 16 00-0747</b>			<b>35-15/16" Height, Stationary, Awning Wood Clad Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0692)</small>		
08 52 16 00-0748	EA		31-1/2" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	679.03 106.54	73.16
08 52 16 00-0749	EA		35-15/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	744.70 118.58	75.90
08 52 16 00-0750	EA		40-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	799.66 128.21	79.32
08 52 16 00-0751	EA		48" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	882.78 142.64	84.79
08 52 16 00-0752	EA		52-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	936.37 152.27	87.52
08 52 16 00-0753	EA		59-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,016.13 166.30	92.99
08 52 16 00-0754	EA		64-13/16" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,071.08 175.93	95.73
08 52 16 00-0755	EA		71-7/8" x 35-15/16", Stationary, Awning Wood Clad Window (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,150.84 189.96	100.51
<b>08 52 16 00-0756</b>			<b>Horizontal Sliding Wood Clad Windows</b> <small>(08 52 16)</small>		
			Note: Sliding windows open horizontally with one or more operating sashes combined with stationary sashes		
<b>08 52 16 00-0757</b>			<b>One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0756)</small>		
			Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0758</b>			<b>17-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0759	EA		47-1/2" x 17-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	555.36 82.35	72.48
<b>08 52 16 00-0760</b>			<b>23-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0761	EA		35-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	511.52 75.23	67.01
08 52 16 00-0762	EA		47-1/2" x 23-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	597.21 89.08	76.58
<b>08 52 16 00-0763</b>			<b>35-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series)</b> <small>(08 52 16 00-0757)</small>		
08 52 16 00-0764	EA		35-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	597.21 89.08	76.58
08 52 16 00-0765	EA		47-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	682.92 102.94	84.79



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0766	EA		59-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	768.62 116.80	92.31
08 52 16 00-0767	EA		71-1/2" x 35-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	854.32 130.66	100.51
<b>08 52 16 00-0768</b>			<b>41-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)</b>		
08 52 16 00-0769	EA		35-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	641.06 96.21	80.68
08 52 16 00-0770	EA		47-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	724.78 109.67	88.89
08 52 16 00-0771	EA		59-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	810.48 123.53	96.41
08 52 16 00-0772	EA		71-1/2" x 41-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	965.45 151.25	104.61
<b>08 52 16 00-0773</b>			<b>47-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)</b>		
08 52 16 00-0774	EA		35-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	682.92 102.94	84.79
08 52 16 00-0775	EA		47-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	768.62 116.80	92.99
08 52 16 00-0776	EA		59-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	854.32 130.66	100.51
08 52 16 00-0777	EA		71-1/2" x 47-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	940.01 144.52	108.72
<b>08 52 16 00-0778</b>			<b>53-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)</b>		
08 52 16 00-0779	EA		47-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	810.48 123.53	97.09
08 52 16 00-0780	EA		59-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	896.16 137.39	104.61
08 52 16 00-0781	EA		71-1/2" x 53-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	981.87 151.25	112.82
<b>08 52 16 00-0782</b>			<b>59-1/2" Height, One Operating Sash, Horizontal Sliding Wood Clad Windows (Andersen 200 Series) (08 52 16 00-0757)</b>		
08 52 16 00-0783	EA		47-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	854.32 130.66	101.19
08 52 16 00-0784	EA		59-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	940.01 144.52	108.72
08 52 16 00-0785	EA		71-1/2" x 59-1/2", One Operating Sash, Horizontal Sliding Wood Clad Window (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	1,025.86 158.40	116.93
<b>08 52 16 00-0786</b>			<b>Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0756)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0787</b>			<b>22-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0788	EA		35-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,206.17 214.16	67.01
08 52 16 00-0789	EA		47-1/4" x 22-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,434.41 256.52	76.58
<b>08 52 16 00-0790</b>			<b>35-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0791	EA		35-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,452.23 260.09	76.58
08 52 16 00-0792	EA		47-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,682.45 302.85	84.79
08 52 16 00-0793	EA		59-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,910.68 345.21	92.31
08 52 16 00-0794	EA		71-1/4" x 35-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,138.92 387.58	100.51
<b>08 52 16 00-0795</b>			<b>41-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0796	EA		35-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,567.34 281.47	80.68
08 52 16 00-0797	EA		47-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,795.57 323.83	88.89
08 52 16 00-0798	EA		59-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	2,025.79 366.59	96.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0799	EA		71-1/4" x 41-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	2,254.01 408.96	104.61
<b>08 52 16 00-0800</b>			<b>47-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0801	EA		35-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	1,682.45 302.85	84.79
08 52 16 00-0802	EA		47-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	1,910.68 345.21	92.99
08 52 16 00-0803	EA		59-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	2,138.92 387.58	100.51
08 52 16 00-0804	EA		71-1/4" x 47-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	2,369.12 430.34	108.72
<b>08 52 16 00-0805</b>			<b>59-1/4" Height, Two Operating Sashes, Horizontal Sliding Wood Clad Windows (Andersen 400 Series) (08 52 16 00-0786)</b>		
08 52 16 00-0806	EA		35-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	1,910.68 345.21	92.99
08 52 16 00-0807	EA		47-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	2,138.92 387.58	101.19
08 52 16 00-0808	EA		59-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	2,369.12 430.34	108.72
08 52 16 00-0809	EA		71-1/4" x 59-1/4", Two Operating Sashes, Horizontal Sliding Wood Clad Window (Andersen 400 Series)..... For Tempered Low-E Insulated Glass, Add	2,597.36 472.70	116.93
<b>08 52 16 00-0810</b>			<b>Picture Wood Clad Windows (08 52 16)</b> Note: Picture windows are fixed windows.		
<b>08 52 16 00-0811</b>			<b>Picture Wood Clad Windows For Awning And Casement Windows (08 52 16 00-0810)</b>		
<b>08 52 16 00-0812</b>			<b>Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0811)</b> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0813</b>			<b>12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0814	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	436.07 65.33	54.70
08 52 16 00-0815	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	508.89 77.71	60.17
08 52 16 00-0816	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	540.26 82.89	62.90
08 52 16 00-0817	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	585.81 90.09	68.38
08 52 16 00-0818	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	617.11 94.98	71.11
08 52 16 00-0819	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	662.66 102.17	76.58
<b>08 52 16 00-0820</b>			<b>35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0821	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	486.45 70.49	67.01
08 52 16 00-0822	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	559.87 83.80	71.11
08 52 16 00-0823	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	668.25 103.29	75.90
08 52 16 00-0824	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	738.69 116.28	78.63
08 52 16 00-0825	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	844.08 135.45	83.41
08 52 16 00-0826	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	917.50 148.77	86.83
08 52 16 00-0827	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	1,347.72 232.89	91.62
<b>08 52 16 00-0828</b>			<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series) (08 52 16 00-0812)</b>		
08 52 16 00-0829	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	559.87 83.80	71.11
08 52 16 00-0830	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	633.30 97.12	73.84
08 52 16 00-0831	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	741.68 116.61	79.32
08 52 16 00-0832	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	812.11 129.60	82.05
08 52 16 00-0833	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	917.50 148.77	87.52
08 52 16 00-0834	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series)..... For Tempered Clear Insulated Glass, Add	990.93 162.08	90.25

**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
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UNIT COST UNIT COST

08 52 16 00-0835	EA	71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,096.32	95.73
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>181.25</i>	

**08 52 16 00-0836 48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** (08 52 16 00-0812)

08 52 16 00-0837	EA	35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	668.25	76.58
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>103.29</i>	
08 52 16 00-0838	EA	40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	741.68	79.32
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>116.61</i>	
08 52 16 00-0839	EA	48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	850.06	84.79
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>136.10</i>	
08 52 16 00-0840	EA	52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	920.50	87.52
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>149.09</i>	
08 52 16 00-0841	EA	59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,025.90	92.99
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>168.26</i>	
08 52 16 00-0842	EA	64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,099.31	95.73
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>181.57</i>	
08 52 16 00-0843	EA	71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,204.71	101.19
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>200.74</i>	

**08 52 16 00-0844 52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** (08 52 16 00-0812)

08 52 16 00-0845	EA	35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	738.69	79.32
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>116.28</i>	
08 52 16 00-0846	EA	40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	812.11	82.05
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>129.60</i>	
08 52 16 00-0847	EA	48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	920.50	87.52
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>149.09</i>	
08 52 16 00-0848	EA	52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	990.93	90.25
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>162.08</i>	
08 52 16 00-0849	EA	59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,096.32	95.73
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>181.25</i>	
08 52 16 00-0850	EA	64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,169.75	98.46
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>194.57</i>	
08 52 16 00-0851	EA	71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,370.96	103.93
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>232.89</i>	

**08 52 16 00-0852 59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** (08 52 16 00-0812)

08 52 16 00-0853	EA	35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	844.08	83.41
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>135.45</i>	
08 52 16 00-0854	EA	40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	917.50	87.52
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>148.77</i>	
08 52 16 00-0855	EA	48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,025.90	92.31
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>168.26</i>	
08 52 16 00-0856	EA	52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,096.32	95.04
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>181.25</i>	
08 52 16 00-0857	EA	59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,201.71	99.83
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>200.41</i>	
08 52 16 00-0858	EA	64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,275.14	103.25
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>213.73</i>	
08 52 16 00-0859	EA	71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,380.53	108.03
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>232.89</i>	

**08 52 16 00-0860 64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** (08 52 16 00-0812)

08 52 16 00-0861	EA	35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	917.50	87.52
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>148.77</i>	
08 52 16 00-0862	EA	40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	990.93	90.25
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>162.08</i>	
08 52 16 00-0863	EA	48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,099.31	95.73
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>181.57</i>	
08 52 16 00-0864	EA	52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,169.75	98.46
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>194.57</i>	
08 52 16 00-0865	EA	59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,370.96	103.93
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>232.89</i>	

**08 52 16 00-0866 71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 200 Series)** (08 52 16 00-0812)

08 52 16 00-0867	EA	35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,022.90	91.62
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>167.93</i>	
08 52 16 00-0868	EA	40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,096.32	95.73
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>181.25</i>	
08 52 16 00-0869	EA	48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,204.71	100.51
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>200.74</i>	
08 52 16 00-0870	EA	52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,275.14	103.25
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>213.73</i>	
08 52 16 00-0871	EA	59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 200 Series).....	1,380.53	108.03
		<i>For Tempered Clear Insulated Glass, Add</i>	<i>232.89</i>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 52 16 00-0872			<b>Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0811)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0873			<b>12" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0872)</small>		
08 52 16 00-0874	EA		40-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	512.69	54.70
			<i>For Tempered Low-E Insulated Glass, Add</i>	80.66	
08 52 16 00-0875	EA		48" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	600.03	60.17
			<i>For Tempered Low-E Insulated Glass, Add</i>	95.94	
08 52 16 00-0876	EA		52-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	637.48	62.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	102.33	
08 52 16 00-0877	EA		59-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	691.46	68.38
			<i>For Tempered Low-E Insulated Glass, Add</i>	111.22	
08 52 16 00-0878	EA		64-13/16" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	728.50	71.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	117.26	
08 52 16 00-0879	EA		71-7/8" x 12", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	782.49	76.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	126.14	
08 52 16 00-0880			<b>35-15/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0872)</small>		
08 52 16 00-0881	EA		35-15/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	569.11	67.01
			<i>For Tempered Low-E Insulated Glass, Add</i>	87.02	
08 52 16 00-0882	EA		40-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	658.16	71.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.46	
08 52 16 00-0883	EA		48" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	789.39	75.90
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.52	
08 52 16 00-0884	EA		52-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	875.08	78.63
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.56	
08 52 16 00-0885	EA		59-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,002.94	83.41
			<i>For Tempered Low-E Insulated Glass, Add</i>	167.22	
08 52 16 00-0886	EA		64-13/16" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,091.98	86.83
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.66	
08 52 16 00-0887	EA		71-7/8" x 35-15/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,620.87	91.62
			<i>For Tempered Low-E Insulated Glass, Add</i>	287.52	
08 52 16 00-0888			<b>40-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0872)</small>		
08 52 16 00-0889	EA		35-15/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	658.16	71.11
			<i>For Tempered Low-E Insulated Glass, Add</i>	103.46	
08 52 16 00-0890	EA		40-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	747.21	73.84
			<i>For Tempered Low-E Insulated Glass, Add</i>	119.90	
08 52 16 00-0891	EA		48" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	878.44	79.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.96	
08 52 16 00-0892	EA		52-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	964.11	82.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-0893	EA		59-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,091.98	87.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	183.66	
08 52 16 00-0894	EA		64-13/16" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,181.03	90.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.10	
08 52 16 00-0895	EA		71-7/8" x 40-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,308.89	95.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	223.76	
08 52 16 00-0896			<b>48" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0872)</small>		
08 52 16 00-0897	EA		35-15/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	789.39	76.58
			<i>For Tempered Low-E Insulated Glass, Add</i>	127.52	
08 52 16 00-0898	EA		40-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	878.44	79.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.96	
08 52 16 00-0899	EA		48" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,009.68	84.79
			<i>For Tempered Low-E Insulated Glass, Add</i>	168.02	
08 52 16 00-0900	EA		52-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,095.36	87.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.06	
08 52 16 00-0901	EA		59-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,223.23	92.99
			<i>For Tempered Low-E Insulated Glass, Add</i>	207.72	
08 52 16 00-0902	EA		64-13/16" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,312.27	95.73
			<i>For Tempered Low-E Insulated Glass, Add</i>	224.16	
08 52 16 00-0903	EA		71-7/8" x 48", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,440.15	101.19
			<i>For Tempered Low-E Insulated Glass, Add</i>	247.82	
08 52 16 00-0904			<b>52-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> <small>(08 52 16 00-0872)</small>		
08 52 16 00-0905	EA		35-15/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	875.08	79.32
			<i>For Tempered Low-E Insulated Glass, Add</i>	143.56	
08 52 16 00-0906	EA		40-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	964.11	82.05
			<i>For Tempered Low-E Insulated Glass, Add</i>	160.00	
08 52 16 00-0907	EA		48" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,095.36	87.52
			<i>For Tempered Low-E Insulated Glass, Add</i>	184.06	
08 52 16 00-0908	EA		52-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series).....	1,181.03	90.25
			<i>For Tempered Low-E Insulated Glass, Add</i>	200.10	



**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0909	EA		59-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,308.89 223.76	95.73
08 52 16 00-0910	EA		64-13/16" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,397.94 240.20	98.46
08 52 16 00-0911	EA		71-7/8" x 52-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,644.11 287.52	103.93
<b>08 52 16 00-0912</b>			<b>59-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0913	EA		35-15/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,002.94 167.22	83.41
08 52 16 00-0914	EA		40-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,091.98 183.66	87.52
08 52 16 00-0915	EA		48" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,223.23 207.72	92.31
08 52 16 00-0916	EA		52-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,308.89 223.76	95.04
08 52 16 00-0917	EA		59-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,436.76 247.42	99.83
08 52 16 00-0918	EA		64-13/16" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,525.81 263.86	103.25
08 52 16 00-0919	EA		71-7/8" x 59-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,653.68 287.52	108.03
<b>08 52 16 00-0920</b>			<b>64-13/16" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0921	EA		35-15/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,091.98 183.66	87.52
08 52 16 00-0922	EA		40-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,181.03 200.10	90.25
08 52 16 00-0923	EA		48" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,312.27 224.16	95.73
08 52 16 00-0924	EA		52-13/16" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,397.94 240.20	98.46
08 52 16 00-0925	EA		59-7/8" x 64-13/16", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,644.11 287.52	103.93
<b>08 52 16 00-0926</b>			<b>71-7/8" Height, Picture Wood Clad Windows For Awning And Casement Windows (Andersen 400 Series)</b> (08 52 16 00-0872)		
08 52 16 00-0927	EA		35-15/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,219.86 207.32	91.62
08 52 16 00-0928	EA		40-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,308.89 223.76	95.73
08 52 16 00-0929	EA		48" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,440.15 247.82	100.51
08 52 16 00-0930	EA		52-13/16" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,525.81 263.86	103.25
08 52 16 00-0931	EA		59-7/8" x 71-7/8", Picture Wood Clad Window For Awning And Casement Windows (Andersen 400 Series)..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,653.68 287.52	108.03
<b>08 52 16 00-0932</b>			<b>Picture Wood Clad Windows For Double Hung Windows</b> (08 52 16 00-0810)		
<b>08 52 16 00-0933</b>			<b>Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
<b>08 52 16 00-0934</b>			<b>35-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0933)		
08 52 16 00-0935	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	623.98 90.61	85.47
08 52 16 00-0936	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	640.51 93.09	87.52
<b>08 52 16 00-0937</b>			<b>47-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0933)		
08 52 16 00-0938	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	640.51 93.09	87.52
08 52 16 00-0939	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	776.38 113.70	103.93
<b>08 52 16 00-0940</b>			<b>53-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0933)		
08 52 16 00-0941	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	726.76 106.24	97.77
08 52 16 00-0942	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series)..... <i>For Tempered Clear Insulated Glass, Add</i>	743.30 108.73	99.83



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-0943			<b>56-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0933)		
08 52 16 00-0944	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	623.98 90.61	86.16
08 52 16 00-0945	EA		53-1/2" x 56-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	726.76 106.24	97.77
08 52 16 00-0946			<b>59-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0933)		
08 52 16 00-0947	EA		35-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	640.51 93.09	87.52
08 52 16 00-0948	EA		53-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	743.30 108.73	99.83
08 52 16 00-0949	EA		59-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	776.38 113.70	103.93
08 52 16 00-0950	EA		65-1/2" x 59-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	811.23 119.03	108.03
08 52 16 00-0951			<b>65-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0933)		
08 52 16 00-0952	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	811.23 119.03	108.03
08 52 16 00-0953			<b>71-1/2" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 200 Series)</b> (08 52 16 00-0933)		
08 52 16 00-0954	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Double Hung Windows (Andersen 200 Series) ..... For Tempered Clear Insulated Glass, Add	776.38 113.70	103.93
08 52 16 00-0955			<b>Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0932) Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and Low-E insulated glass. Excludes grilles and insect screens.		
08 52 16 00-0956			<b>48-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-0957	EA		12" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	684.62 111.22	64.27
08 52 16 00-0958	EA		37-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	953.33 158.12	82.05
08 52 16 00-0959	EA		41-5/8" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	994.34 165.23	84.10
08 52 16 00-0960	EA		47-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,055.84 175.89	88.20
08 52 16 00-0961	EA		51-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,096.83 182.99	91.62
08 52 16 00-0962	EA		59-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,180.62 197.56	96.41
08 52 16 00-0963	EA		67-5/16" x 48-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,264.40 212.13	102.56
08 52 16 00-0964			<b>52-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-0965	EA		12" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	727.41 118.68	67.01
08 52 16 00-0966	EA		37-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	994.34 165.23	84.79
08 52 16 00-0967	EA		41-5/8" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,037.11 172.69	86.83
08 52 16 00-0968	EA		47-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,096.83 182.99	90.94
08 52 16 00-0969	EA		51-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,139.62 190.45	94.36
08 52 16 00-0970	EA		59-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,223.40 205.02	99.15
08 52 16 00-0971	EA		67-5/16" x 52-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,307.17 219.59	105.30
08 52 16 00-0972			<b>56-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series)</b> (08 52 16 00-0955)		
08 52 16 00-0973	EA		12" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	768.41 125.78	69.74
08 52 16 00-0974	EA		37-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,037.11 172.69	87.52
08 52 16 00-0975	EA		41-5/8" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,078.11 179.79	89.58
08 52 16 00-0976	EA		47-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... For Tempered Low-E Insulated Glass, Add	1,139.62 190.45	93.67

**08 Openings****08 50 Windows****08 52 Wood Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 52 16 00-0977	EA 51-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,180.62 197.56	97.09
08 52 16 00-0978	EA 59-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,264.40 212.13	101.88
08 52 16 00-0979	EA 67-5/16" x 56-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,349.96 227.05	108.03
<b>08 52 16 00-0980</b>	<b>60-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small></b>		
08 52 16 00-0981	EA 12" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	811.18 133.25	72.48
08 52 16 00-0982	EA 37-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,078.11 179.79	90.25
08 52 16 00-0983	EA 41-5/8" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,120.90 187.26	92.31
08 52 16 00-0984	EA 47-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,180.62 197.56	96.41
08 52 16 00-0985	EA 51-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,223.40 205.02	99.83
08 52 16 00-0986	EA 59-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,307.17 219.59	104.61
08 52 16 00-0987	EA 67-5/16" x 60-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,390.96 234.16	110.76
<b>08 52 16 00-0988</b>	<b>64-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small></b>		
08 52 16 00-0989	EA 12" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	852.20 140.35	75.21
08 52 16 00-0990	EA 37-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,120.90 187.26	92.99
08 52 16 00-0991	EA 41-5/8" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,163.67 194.72	95.04
08 52 16 00-0992	EA 47-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,223.40 205.02	99.15
08 52 16 00-0993	EA 51-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,264.40 212.13	102.56
08 52 16 00-0994	EA 59-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,349.96 227.05	107.35
08 52 16 00-0995	EA 67-5/16" x 64-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,433.74 241.62	113.51
<b>08 52 16 00-0996</b>	<b>68-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small></b>		
08 52 16 00-0997	EA 12" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	894.96 147.81	77.95
08 52 16 00-0998	EA 37-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,163.67 194.72	95.73
08 52 16 00-0999	EA 41-5/8" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,204.67 201.82	97.77
08 52 16 00-1000	EA 47-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,264.40 212.13	101.88
08 52 16 00-1001	EA 51-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,307.17 219.59	105.30
08 52 16 00-1002	EA 59-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,390.96 234.16	110.09
08 52 16 00-1003	EA 67-5/16" x 68-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,474.74 248.73	116.24
<b>08 52 16 00-1004</b>	<b>72-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small></b>		
08 52 16 00-1005	EA 12" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	935.98 154.92	80.68
08 52 16 00-1006	EA 37-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,204.67 201.82	98.46
08 52 16 00-1007	EA 41-5/8" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,247.46 209.29	100.51
08 52 16 00-1008	EA 47-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,307.17 219.59	104.61
08 52 16 00-1009	EA 51-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,349.96 227.05	108.03
08 52 16 00-1010	EA 59-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,433.74 241.62	112.82
08 52 16 00-1011	EA 67-5/16" x 72-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,517.52 256.19	118.97
<b>08 52 16 00-1012</b>	<b>76-7/8" Height, Picture Wood Clad Windows For Double Hung Windows (Andersen 400 Series) <small>(08 52 16 00-0955)</small></b>		
08 52 16 00-1013	EA 12" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	978.76 162.38	83.41
08 52 16 00-1014	EA 37-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,247.46 209.29	101.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 52 16 00-1015	EA		41-5/8" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,288.45 216.39	103.25
08 52 16 00-1016	EA		47-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,349.96 227.05	107.35
08 52 16 00-1017	EA		51-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,390.96 234.16	110.76
08 52 16 00-1018	EA		59-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,474.74 248.73	115.55
08 52 16 00-1019	EA		67-5/16" x 76-7/8", Picture Wood Clad Window For Double Hung Windows (Andersen 400 Series) ..... <i>For Tempered Low-E Insulated Glass, Add</i>	1,558.53 263.30	121.71
08 52 16 00-1020			Picture Wood Clad Windows For Horizontal Sliding Windows <small>(08 52 16 00-0810)</small>		
08 52 16 00-1021			Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1020)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware and clear insulated glass. Excludes grilles and insect screens.		
08 52 16 00-1022			35-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1023	EA		56-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	623.98 90.61	85.47
08 52 16 00-1024	EA		59-1/2" x 35-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	640.51 93.09	87.52
08 52 16 00-1025			47-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1026	EA		47-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	640.51 93.09	87.52
08 52 16 00-1027	EA		71-1/2" x 47-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	776.38 113.70	103.93
08 52 16 00-1028			53-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1029	EA		56-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	726.76 106.24	97.77
08 52 16 00-1030	EA		59-1/2" x 53-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	743.30 108.73	99.83
08 52 16 00-1031			56-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1032	EA		35-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	623.98 90.61	86.16
08 52 16 00-1033	EA		53-1/2" x 56-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	726.76 106.24	97.77
08 52 16 00-1034			59-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1035	EA		35-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	640.51 93.09	87.52
08 52 16 00-1036	EA		53-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	743.30 108.73	99.83
08 52 16 00-1037	EA		59-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	776.38 113.70	103.93
08 52 16 00-1038	EA		65-1/2" x 59-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	811.23 119.03	108.03
08 52 16 00-1039			65-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1040	EA		59-1/2" x 65-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	811.23 119.03	108.03
08 52 16 00-1041			71-1/2" Height, Picture Wood Clad Windows For Horizontal Sliding Windows (Andersen 200 Series) <small>(08 52 16 00-1021)</small>		
08 52 16 00-1042	EA		47-1/2" x 71-1/2", Picture Wood Clad Window For Horizontal Sliding Windows (Andersen 200 Series) ..... <i>For Tempered Clear Insulated Glass, Add</i>	776.38 113.70	103.93
08 52 16 00-1043			Basement Wood Clad Windows <small>(08 52 16)</small> Note: Basement windows are hinged at the bottom of the frame and swing outward with a crank or push out operation.		
08 52 16 00-1044			Basement Wood Clad Windows (Andersen 400 Series) <small>(08 52 16 00-1043)</small> Note: Includes painted or stained wood interior, colored PVC clad exterior, standard hardware, Low-E insulated glass and insect screens. Excludes grilles.		
08 52 16 00-1045	EA		32-1/4" x 15-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	333.76	54.70
08 52 16 00-1046	EA		32-1/4" x 19-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	350.61	54.70
08 52 16 00-1047	EA		32-1/4" x 23-3/4", Basement Wood Clad Window (Andersen 400 Series) .....	365.44	54.70

**08 Openings****08 50 Windows****08 52 Wood Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 52 16 00-1048		Factory Installed Grilles For Wood Clad Windows <small>(08 52 16)</small>		
08 52 16 00-1049		Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1050	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	43.84	
08 52 16 00-1051	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	64.60	
08 52 16 00-1052	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	87.68	
08 52 16 00-1053	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	110.75	
08 52 16 00-1054	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	156.90	
08 52 16 00-1055		Fixed Exterior And Removable Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1056	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	70.14	
08 52 16 00-1057	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	103.37	
08 52 16 00-1058	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	140.28	
08 52 16 00-1059	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	177.20	
08 52 16 00-1060	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Wood Clad Windows .....	251.03	
08 52 16 00-1061		Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1062	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	84.17	
08 52 16 00-1063	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	124.04	
08 52 16 00-1064	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	168.34	
08 52 16 00-1065	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	212.64	
08 52 16 00-1066	EA	>36 SF Windows, Fixed Exterior And Interior Grilles, Factory Installed Grilles For Wood Clad Windows .....	301.24	
08 52 16 00-1067		Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows <small>(08 52 16 00-1048)</small>		
08 52 16 00-1068	EA	Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	101.01	
08 52 16 00-1069	EA	>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	148.84	
08 52 16 00-1070	EA	>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	202.00	
08 52 16 00-1071	EA	>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	255.16	
08 52 16 00-1072	EA	>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Wood Clad Windows .....	361.48	
<b>08 52 66</b>		<b>Wood Window Screens <small>(08 52)</small></b>		
08 52 66 00-0001		Insect Screens For Wood Clad Windows <small>(08 52 66)</small>		
08 52 66 00-0002	EA	Up To 6 SF, Insect Screen For Wood Clad Windows .....	48.56	12.33
08 52 66 00-0003	EA	>6 To 9 SF, Insect Screen For Wood Clad Windows .....	55.39	12.33
08 52 66 00-0004	EA	>9 To 12 SF, Insect Screen For Wood Clad Windows .....	58.81	12.33
08 52 66 00-0005	EA	>12 To 15 SF, Insect Screen For Wood Clad Windows .....	65.64	12.33
08 52 66 00-0006	EA	>15 To 20 SF, Insect Screen For Wood Clad Windows .....	79.30	12.33
08 52 66 00-0007	EA	>20 To 25 SF, Insect Screen For Wood Clad Windows .....	86.13	12.33
08 52 66 00-0008	EA	>25 To 30 SF, Insect Screen For Wood Clad Windows .....	92.96	12.33
08 52 66 00-0009	EA	>30 To 35 SF, Insect Screen For Wood Clad Windows .....	99.79	12.33
08 52 66 00-0010	SF	>35 SF, Insect Screen For Wood Clad Windows .....	2.95	0.25

**08 53 Plastic Windows (08 50)****08 53 13 Vinyl Windows (08 53)****08 53 13 00-0001 Single Hung Vinyl Windows (08 53 13)****08 53 13 00-0002 New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0001)**

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

**08 53 13 00-0003 34" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)**

08 53 13 00-0004	EA	24" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	348.46	62.90
		For Colored Vinyl, Add .....	22.27	
		For Tinted Glass, Add .....	26.72	
		For Low-E Insulated Glass, Add .....	55.66	
		For Obscure Glass, Add .....	61.23	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0005	EA	28" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	366.34	65.64
		For Colored Vinyl, Add	23.51	
		For Tinted Glass, Add	28.21	
		For Low-E Insulated Glass, Add	58.77	
		For Obscure Glass, Add	64.64	
08 53 13 00-0006	EA	30" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	373.87	67.01
		For Colored Vinyl, Add	23.99	
		For Tinted Glass, Add	28.78	
		For Low-E Insulated Glass, Add	59.96	
		For Obscure Glass, Add	65.96	
08 53 13 00-0007	EA	32" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	382.02	68.38
		For Colored Vinyl, Add	24.53	
		For Tinted Glass, Add	29.43	
		For Low-E Insulated Glass, Add	61.32	
		For Obscure Glass, Add	67.45	
08 53 13 00-0008	EA	36" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	402.67	71.11
		For Colored Vinyl, Add	26.05	
		For Tinted Glass, Add	31.25	
		For Low-E Insulated Glass, Add	65.11	
		For Obscure Glass, Add	71.62	
08 53 13 00-0009	EA	44" x 34", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	436.54	76.58
		For Colored Vinyl, Add	28.34	
		For Tinted Glass, Add	34.01	
		For Low-E Insulated Glass, Add	70.85	
		For Obscure Glass, Add	77.93	
<b>08 53 13 00-0010</b>		<b>36" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0011	EA	24" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	355.56	64.27
		For Colored Vinyl, Add	22.70	
		For Tinted Glass, Add	27.24	
		For Low-E Insulated Glass, Add	56.76	
		For Obscure Glass, Add	62.43	
08 53 13 00-0012	EA	28" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	373.45	65.64
		For Colored Vinyl, Add	23.94	
		For Tinted Glass, Add	28.73	
		For Low-E Insulated Glass, Add	59.86	
		For Obscure Glass, Add	65.84	
08 53 13 00-0013	EA	30" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	380.97	68.38
		For Colored Vinyl, Add	24.42	
		For Tinted Glass, Add	29.31	
		For Low-E Insulated Glass, Add	61.06	
		For Obscure Glass, Add	67.16	
08 53 13 00-0014	EA	32" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	389.13	69.74
		For Colored Vinyl, Add	24.96	
		For Tinted Glass, Add	29.96	
		For Low-E Insulated Glass, Add	62.41	
		For Obscure Glass, Add	68.65	
08 53 13 00-0015	EA	36" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	409.77	72.48
		For Colored Vinyl, Add	26.48	
		For Tinted Glass, Add	31.78	
		For Low-E Insulated Glass, Add	66.21	
		For Obscure Glass, Add	72.83	
08 53 13 00-0016	EA	44" x 36", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	443.64	77.95
		For Colored Vinyl, Add	28.78	
		For Tinted Glass, Add	34.53	
		For Low-E Insulated Glass, Add	71.94	
		For Obscure Glass, Add	79.13	
<b>08 53 13 00-0017</b>		<b>38" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0018	EA	24" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	362.46	65.64
		For Colored Vinyl, Add	23.12	
		For Tinted Glass, Add	27.74	
		For Low-E Insulated Glass, Add	57.80	
		For Obscure Glass, Add	63.57	
08 53 13 00-0019	EA	28" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	380.35	68.38
		For Colored Vinyl, Add	24.36	
		For Tinted Glass, Add	29.23	
		For Low-E Insulated Glass, Add	60.90	
		For Obscure Glass, Add	66.99	
08 53 13 00-0020	EA	30" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	388.15	69.74
		For Colored Vinyl, Add	24.87	
		For Tinted Glass, Add	29.84	
		For Low-E Insulated Glass, Add	62.17	
		For Obscure Glass, Add	68.38	
08 53 13 00-0021	EA	32" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	396.30	71.11
		For Colored Vinyl, Add	25.41	
		For Tinted Glass, Add	30.49	
		For Low-E Insulated Glass, Add	63.52	
		For Obscure Glass, Add	69.87	
08 53 13 00-0022	EA	36" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	417.27	73.84
		For Colored Vinyl, Add	26.96	
		For Tinted Glass, Add	32.35	
		For Low-E Insulated Glass, Add	67.39	
		For Obscure Glass, Add	74.13	



**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0023	EA		44" x 38", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	451.55	79.32
			<i>For Colored Vinyl, Add</i>	29.29	
			<i>For Tinted Glass, Add</i>	35.15	
			<i>For Low-E Insulated Glass, Add</i>	73.23	
			<i>For Obscure Glass, Add</i>	80.55	
<b>08 53 13 00-0024</b>			<b>44" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0025	EA		24" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	383.54	69.74
			<i>For Colored Vinyl, Add</i>	24.41	
			<i>For Tinted Glass, Add</i>	29.29	
			<i>For Low-E Insulated Glass, Add</i>	61.01	
			<i>For Obscure Glass, Add</i>	67.11	
08 53 13 00-0026	EA		28" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	401.41	72.48
			<i>For Colored Vinyl, Add</i>	25.65	
			<i>For Tinted Glass, Add</i>	30.78	
			<i>For Low-E Insulated Glass, Add</i>	64.12	
			<i>For Obscure Glass, Add</i>	70.53	
08 53 13 00-0027	EA		30" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	410.14	73.84
			<i>For Colored Vinyl, Add</i>	26.24	
			<i>For Tinted Glass, Add</i>	31.49	
			<i>For Low-E Insulated Glass, Add</i>	65.61	
			<i>For Obscure Glass, Add</i>	72.17	
08 53 13 00-0028	EA		32" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	418.29	75.21
			<i>For Colored Vinyl, Add</i>	26.79	
			<i>For Tinted Glass, Add</i>	32.14	
			<i>For Low-E Insulated Glass, Add</i>	66.97	
			<i>For Obscure Glass, Add</i>	73.66	
08 53 13 00-0029	EA		36" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	440.14	77.95
			<i>For Colored Vinyl, Add</i>	28.43	
			<i>For Tinted Glass, Add</i>	34.11	
			<i>For Low-E Insulated Glass, Add</i>	71.06	
			<i>For Obscure Glass, Add</i>	78.17	
08 53 13 00-0030	EA		44" x 44", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	475.60	83.41
			<i>For Colored Vinyl, Add</i>	30.88	
			<i>For Tinted Glass, Add</i>	37.05	
			<i>For Low-E Insulated Glass, Add</i>	77.19	
			<i>For Obscure Glass, Add</i>	84.91	
<b>08 53 13 00-0031</b>			<b>46" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0032	EA		24" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	390.64	71.11
			<i>For Colored Vinyl, Add</i>	24.84	
			<i>For Tinted Glass, Add</i>	29.81	
			<i>For Low-E Insulated Glass, Add</i>	62.11	
			<i>For Obscure Glass, Add</i>	68.32	
08 53 13 00-0033	EA		28" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	408.53	73.84
			<i>For Colored Vinyl, Add</i>	26.08	
			<i>For Tinted Glass, Add</i>	31.30	
			<i>For Low-E Insulated Glass, Add</i>	65.21	
			<i>For Obscure Glass, Add</i>	71.73	
08 53 13 00-0034	EA		30" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	417.52	75.21
			<i>For Colored Vinyl, Add</i>	26.71	
			<i>For Tinted Glass, Add</i>	32.05	
			<i>For Low-E Insulated Glass, Add</i>	66.77	
			<i>For Obscure Glass, Add</i>	73.45	
08 53 13 00-0035	EA		32" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	425.67	76.58
			<i>For Colored Vinyl, Add</i>	27.25	
			<i>For Tinted Glass, Add</i>	32.70	
			<i>For Low-E Insulated Glass, Add</i>	68.13	
			<i>For Obscure Glass, Add</i>	74.94	
08 53 13 00-0036	EA		36" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	447.81	79.32
			<i>For Colored Vinyl, Add</i>	28.92	
			<i>For Tinted Glass, Add</i>	34.70	
			<i>For Low-E Insulated Glass, Add</i>	72.30	
			<i>For Obscure Glass, Add</i>	79.52	
08 53 13 00-0037	EA		44" x 46", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	483.68	84.79
			<i>For Colored Vinyl, Add</i>	31.41	
			<i>For Tinted Glass, Add</i>	37.69	
			<i>For Low-E Insulated Glass, Add</i>	78.53	
			<i>For Obscure Glass, Add</i>	86.38	
<b>08 53 13 00-0038</b>			<b>48" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200) (08 53 13 00-0002)</b>		
08 53 13 00-0039	EA		24" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	397.81	72.48
			<i>For Colored Vinyl, Add</i>	25.29	
			<i>For Tinted Glass, Add</i>	30.34	
			<i>For Low-E Insulated Glass, Add</i>	63.22	
			<i>For Obscure Glass, Add</i>	69.54	
08 53 13 00-0040	EA		28" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	415.70	75.21
			<i>For Colored Vinyl, Add</i>	26.53	
			<i>For Tinted Glass, Add</i>	31.83	
			<i>For Low-E Insulated Glass, Add</i>	66.32	
			<i>For Obscure Glass, Add</i>	72.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0041	EA		30" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	424.97	76.58
			For Colored Vinyl, Add	27.18	
			For Tinted Glass, Add	32.62	
			For Low-E Insulated Glass, Add	67.95	
			For Obscure Glass, Add	74.75	
08 53 13 00-0042	EA		32" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	433.12	77.95
			For Colored Vinyl, Add	27.72	
			For Tinted Glass, Add	33.27	
			For Low-E Insulated Glass, Add	69.31	
			For Obscure Glass, Add	76.24	
08 53 13 00-0043	EA		36" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	455.59	80.68
			For Colored Vinyl, Add	29.42	
			For Tinted Glass, Add	35.31	
			For Low-E Insulated Glass, Add	73.56	
			For Obscure Glass, Add	80.91	
08 53 13 00-0044	EA		44" x 48", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	491.83	86.16
			For Colored Vinyl, Add	31.95	
			For Tinted Glass, Add	38.34	
			For Low-E Insulated Glass, Add	79.88	
			For Obscure Glass, Add	87.87	
<b>08 53 13 00-0045</b>			<b>50" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0046	EA		24" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	404.72	73.84
			For Colored Vinyl, Add	25.70	
			For Tinted Glass, Add	30.84	
			For Low-E Insulated Glass, Add	64.26	
			For Obscure Glass, Add	70.68	
08 53 13 00-0047	EA		28" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	422.59	76.58
			For Colored Vinyl, Add	26.94	
			For Tinted Glass, Add	32.33	
			For Low-E Insulated Glass, Add	67.36	
			For Obscure Glass, Add	74.09	
08 53 13 00-0048	EA		30" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	432.17	77.95
			For Colored Vinyl, Add	27.63	
			For Tinted Glass, Add	33.15	
			For Low-E Insulated Glass, Add	69.07	
			For Obscure Glass, Add	75.98	
08 53 13 00-0049	EA		32" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	440.33	79.32
			For Colored Vinyl, Add	28.17	
			For Tinted Glass, Add	33.80	
			For Low-E Insulated Glass, Add	70.43	
			For Obscure Glass, Add	77.47	
08 53 13 00-0050	EA		36" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	463.07	82.05
			For Colored Vinyl, Add	29.90	
			For Tinted Glass, Add	35.88	
			For Low-E Insulated Glass, Add	74.74	
			For Obscure Glass, Add	82.22	
08 53 13 00-0051	EA		44" x 50", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	499.71	87.52
			For Colored Vinyl, Add	32.47	
			For Tinted Glass, Add	38.96	
			For Low-E Insulated Glass, Add	81.17	
			For Obscure Glass, Add	89.28	
<b>08 53 13 00-0052</b>			<b>52" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0053	EA		24" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	411.64	75.21
			For Colored Vinyl, Add	26.12	
			For Tinted Glass, Add	31.35	
			For Low-E Insulated Glass, Add	65.30	
			For Obscure Glass, Add	71.83	
08 53 13 00-0054	EA		28" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	429.51	77.95
			For Colored Vinyl, Add	27.36	
			For Tinted Glass, Add	32.83	
			For Low-E Insulated Glass, Add	68.41	
			For Obscure Glass, Add	75.25	
08 53 13 00-0055	EA		30" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	439.42	79.32
			For Colored Vinyl, Add	28.08	
			For Tinted Glass, Add	33.69	
			For Low-E Insulated Glass, Add	70.20	
			For Obscure Glass, Add	77.22	
08 53 13 00-0056	EA		32" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	447.58	80.68
			For Colored Vinyl, Add	28.62	
			For Tinted Glass, Add	34.35	
			For Low-E Insulated Glass, Add	71.55	
			For Obscure Glass, Add	78.71	
08 53 13 00-0057	EA		36" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	470.63	83.41
			For Colored Vinyl, Add	30.38	
			For Tinted Glass, Add	36.45	
			For Low-E Insulated Glass, Add	75.95	
			For Obscure Glass, Add	83.54	
08 53 13 00-0058	EA		44" x 52", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	507.65	88.89
			For Colored Vinyl, Add	32.99	
			For Tinted Glass, Add	39.58	
			For Low-E Insulated Glass, Add	82.47	
			For Obscure Glass, Add	90.71	

**08 Openings****08 50 Windows****08 53 Plastic Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0059			<b>54" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0060	EA		24" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	418.57	76.58
			For Colored Vinyl, Add	26.54	
			For Tinted Glass, Add	31.85	
			For Low-E Insulated Glass, Add	66.35	
			For Obscure Glass, Add	72.99	
08 53 13 00-0061	EA		28" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	436.45	79.32
			For Colored Vinyl, Add	27.78	
			For Tinted Glass, Add	33.34	
			For Low-E Insulated Glass, Add	69.46	
			For Obscure Glass, Add	76.40	
08 53 13 00-0062	EA		30" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	446.64	80.68
			For Colored Vinyl, Add	28.53	
			For Tinted Glass, Add	34.23	
			For Low-E Insulated Glass, Add	71.32	
			For Obscure Glass, Add	78.45	
08 53 13 00-0063	EA		32" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	454.78	82.05
			For Colored Vinyl, Add	29.07	
			For Tinted Glass, Add	34.88	
			For Low-E Insulated Glass, Add	72.67	
			For Obscure Glass, Add	79.94	
08 53 13 00-0064	EA		36" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	478.12	84.79
			For Colored Vinyl, Add	30.86	
			For Tinted Glass, Add	37.03	
			For Low-E Insulated Glass, Add	77.14	
			For Obscure Glass, Add	84.85	
08 53 13 00-0065	EA		44" x 54", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	515.52	90.25
			For Colored Vinyl, Add	33.50	
			For Tinted Glass, Add	40.20	
			For Low-E Insulated Glass, Add	83.75	
			For Obscure Glass, Add	92.13	
08 53 13 00-0066			<b>60" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0067	EA		24" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	439.89	80.68
			For Colored Vinyl, Add	27.85	
			For Tinted Glass, Add	33.42	
			For Low-E Insulated Glass, Add	69.63	
			For Obscure Glass, Add	76.59	
08 53 13 00-0068	EA		28" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	457.77	83.41
			For Colored Vinyl, Add	29.09	
			For Tinted Glass, Add	34.91	
			For Low-E Insulated Glass, Add	72.73	
			For Obscure Glass, Add	80.01	
08 53 13 00-0069	EA		30" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	468.78	84.79
			For Colored Vinyl, Add	29.92	
			For Tinted Glass, Add	35.91	
			For Low-E Insulated Glass, Add	74.80	
			For Obscure Glass, Add	82.28	
08 53 13 00-0070	EA		32" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	476.93	86.16
			For Colored Vinyl, Add	30.46	
			For Tinted Glass, Add	36.56	
			For Low-E Insulated Glass, Add	76.16	
			For Obscure Glass, Add	83.77	
08 53 13 00-0071	EA		36" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	501.19	88.89
			For Colored Vinyl, Add	32.34	
			For Tinted Glass, Add	38.81	
			For Low-E Insulated Glass, Add	80.85	
			For Obscure Glass, Add	88.94	
08 53 13 00-0072	EA		44" x 60", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	539.77	94.36
			For Colored Vinyl, Add	35.11	
			For Tinted Glass, Add	42.13	
			For Low-E Insulated Glass, Add	87.77	
			For Obscure Glass, Add	96.54	
08 53 13 00-0073			<b>62" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>		
08 53 13 00-0074	EA		24" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	446.81	82.05
			For Colored Vinyl, Add	28.27	
			For Tinted Glass, Add	33.93	
			For Low-E Insulated Glass, Add	70.68	
			For Obscure Glass, Add	77.75	
08 53 13 00-0075	EA		28" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	464.69	84.79
			For Colored Vinyl, Add	29.51	
			For Tinted Glass, Add	35.41	
			For Low-E Insulated Glass, Add	73.78	
			For Obscure Glass, Add	81.16	
08 53 13 00-0076	EA		30" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	476.06	86.16
			For Colored Vinyl, Add	30.38	
			For Tinted Glass, Add	36.45	
			For Low-E Insulated Glass, Add	75.94	
			For Obscure Glass, Add	83.53	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 53 13 00-0077	EA	32" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	484.22		87.52
		For Colored Vinyl, Add	30.92		
		For Tinted Glass, Add	37.10		
		For Low-E Insulated Glass, Add	77.30		
		For Obscure Glass, Add	85.02		
08 53 13 00-0078	EA	36" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	508.74		90.25
		For Colored Vinyl, Add	32.82		
		For Tinted Glass, Add	39.39		
		For Low-E Insulated Glass, Add	82.06		
		For Obscure Glass, Add	90.26		
08 53 13 00-0079	EA	44" x 62", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	547.75		95.73
		For Colored Vinyl, Add	35.63		
		For Tinted Glass, Add	42.76		
		For Low-E Insulated Glass, Add	89.08		
		For Obscure Glass, Add	97.98		
<b>08 53 13 00-0080</b>		<b>66" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>			
08 53 13 00-0081	EA	24" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	460.88		84.79
		For Colored Vinyl, Add	29.13		
		For Tinted Glass, Add	34.96		
		For Low-E Insulated Glass, Add	72.83		
		For Obscure Glass, Add	80.11		
08 53 13 00-0082	EA	28" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	478.76		87.52
		For Colored Vinyl, Add	30.37		
		For Tinted Glass, Add	36.45		
		For Low-E Insulated Glass, Add	75.93		
		For Obscure Glass, Add	83.52		
08 53 13 00-0083	EA	30" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	490.70		88.89
		For Colored Vinyl, Add	31.29		
		For Tinted Glass, Add	37.55		
		For Low-E Insulated Glass, Add	78.23		
		For Obscure Glass, Add	86.05		
08 53 13 00-0084	EA	32" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	498.85		90.25
		For Colored Vinyl, Add	31.83		
		For Tinted Glass, Add	38.20		
		For Low-E Insulated Glass, Add	79.59		
		For Obscure Glass, Add	87.54		
08 53 13 00-0085	EA	36" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	524.00		92.99
		For Colored Vinyl, Add	33.80		
		For Tinted Glass, Add	40.56		
		For Low-E Insulated Glass, Add	84.51		
		For Obscure Glass, Add	92.96		
08 53 13 00-0086	EA	44" x 66", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	563.75		98.46
		For Colored Vinyl, Add	36.68		
		For Tinted Glass, Add	44.02		
		For Low-E Insulated Glass, Add	91.71		
		For Obscure Glass, Add	100.88		
<b>08 53 13 00-0087</b>		<b>72" Height, New Construction, Single Hung Vinyl Windows (Silver Line 2200)</b> <small>(08 53 13 00-0002)</small>			
08 53 13 00-0088	EA	24" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	482.20		88.89
		For Colored Vinyl, Add	30.44		
		For Tinted Glass, Add	36.53		
		For Low-E Insulated Glass, Add	76.11		
		For Obscure Glass, Add	83.72		
08 53 13 00-0089	EA	28" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	500.08		91.62
		For Colored Vinyl, Add	31.68		
		For Tinted Glass, Add	38.02		
		For Low-E Insulated Glass, Add	79.21		
		For Obscure Glass, Add	87.13		
08 53 13 00-0090	EA	30" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	512.01		92.99
		For Colored Vinyl, Add	32.60		
		For Tinted Glass, Add	39.12		
		For Low-E Insulated Glass, Add	81.51		
		For Obscure Glass, Add	89.66		
08 53 13 00-0091	EA	32" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	520.16		94.36
		For Colored Vinyl, Add	33.15		
		For Tinted Glass, Add	39.77		
		For Low-E Insulated Glass, Add	82.86		
		For Obscure Glass, Add	91.15		
08 53 13 00-0092	EA	36" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	545.32		97.09
		For Colored Vinyl, Add	35.11		
		For Tinted Glass, Add	42.14		
		For Low-E Insulated Glass, Add	87.78		
		For Obscure Glass, Add	96.56		
08 53 13 00-0093	EA	44" x 72", New Construction, Single Hung Vinyl Window (Silver Line 2200) .....	585.07		102.56
		For Colored Vinyl, Add	37.99		
		For Tinted Glass, Add	45.59		
		For Low-E Insulated Glass, Add	94.99		
		For Obscure Glass, Add	104.48		
<b>08 53 13 00-0094</b>		<b>Replacement, Single Hung Vinyl Windows (Silver Line 2000)</b> <small>(08 53 13 00-0001)</small>			
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen.			
		Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).			

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 53 13 00-0095	EA	Up To 73" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	500.87	71.80
		For Colored Vinyl, Add	35.73	
		For Tinted Glass, Add	42.87	
		For Low-E Insulated Glass, Add	89.32	
		For Obscure Glass, Add	98.25	
08 53 13 00-0096	EA	>73" To 83" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	548.99	78.63
		For Colored Vinyl, Add	39.17	
		For Tinted Glass, Add	47.01	
		For Low-E Insulated Glass, Add	97.93	
		For Obscure Glass, Add	107.72	
08 53 13 00-0097	EA	>83" To 93" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	593.60	85.47
		For Colored Vinyl, Add	42.27	
		For Tinted Glass, Add	50.72	
		For Low-E Insulated Glass, Add	105.67	
		For Obscure Glass, Add	116.23	
08 53 13 00-0098	EA	>93" To 101" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	625.98	92.31
		For Colored Vinyl, Add	44.14	
		For Tinted Glass, Add	52.96	
		For Low-E Insulated Glass, Add	110.34	
		For Obscure Glass, Add	121.37	
08 53 13 00-0099	EA	>101" To 110" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	659.75	99.15
		For Colored Vinyl, Add	46.15	
		For Tinted Glass, Add	55.38	
		For Low-E Insulated Glass, Add	115.37	
		For Obscure Glass, Add	126.90	
08 53 13 00-0100	EA	>110" To 120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	715.38	105.98
		For Colored Vinyl, Add	50.34	
		For Tinted Glass, Add	60.41	
		For Low-E Insulated Glass, Add	125.85	
		For Obscure Glass, Add	138.44	
08 53 13 00-0101	UI	>120" UI, Replacement, Single Hung Vinyl Window (Silver Line 2000)	5.98	0.89
		For Colored Vinyl, Add	0.42	
		For Tinted Glass, Add	0.50	
		For Low-E Insulated Glass, Add	1.05	
		For Obscure Glass, Add	1.16	

**08 53 13 00-0102 Double Hung Vinyl Windows** (08 53 13)**08 53 13 00-0103 New Construction, Double Hung Vinyl Windows (Silver Line 3900)** (08 53 13 00-0102)

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

**08 53 13 00-0104 34" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** (08 53 13 00-0103)

08 53 13 00-0105	EA	24" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	482.95	62.90
		For Colored Vinyl, Add	35.71	
		For Tinted Glass, Add	42.86	
		For Low-E Insulated Glass, Add	89.29	
		For Obscure Glass, Add	98.21	
08 53 13 00-0106	EA	28" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	500.83	65.64
		For Colored Vinyl, Add	36.96	
		For Tinted Glass, Add	44.35	
		For Low-E Insulated Glass, Add	92.39	
		For Obscure Glass, Add	101.63	
08 53 13 00-0107	EA	30" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	509.52	67.01
		For Colored Vinyl, Add	37.55	
		For Tinted Glass, Add	45.06	
		For Low-E Insulated Glass, Add	93.88	
		For Obscure Glass, Add	103.26	
08 53 13 00-0108	EA	32" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	517.66	68.38
		For Colored Vinyl, Add	38.09	
		For Tinted Glass, Add	45.71	
		For Low-E Insulated Glass, Add	95.23	
		For Obscure Glass, Add	104.75	
08 53 13 00-0109	EA	36" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	537.15	71.11
		For Colored Vinyl, Add	39.49	
		For Tinted Glass, Add	47.39	
		For Low-E Insulated Glass, Add	98.73	
		For Obscure Glass, Add	108.61	
08 53 13 00-0110	EA	44" x 34", New Construction, Double Hung Vinyl Window (Silver Line 3900)	569.52	76.58
		For Colored Vinyl, Add	41.64	
		For Tinted Glass, Add	49.96	
		For Low-E Insulated Glass, Add	104.09	
		For Obscure Glass, Add	114.50	

**08 53 13 00-0111 36" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** (08 53 13 00-0103)

08 53 13 00-0112	EA	24" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	490.05	64.27
		For Colored Vinyl, Add	36.15	
		For Tinted Glass, Add	43.38	
		For Low-E Insulated Glass, Add	90.38	
		For Obscure Glass, Add	99.42	
08 53 13 00-0113	EA	28" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900)	507.94	67.01
		For Colored Vinyl, Add	37.39	
		For Tinted Glass, Add	44.87	
		For Low-E Insulated Glass, Add	93.48	
		For Obscure Glass, Add	102.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0114	EA		30" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	516.62	68.38
			For Colored Vinyl, Add	37.99	
			For Tinted Glass, Add	45.58	
			For Low-E Insulated Glass, Add	94.97	
			For Obscure Glass, Add	104.46	
08 53 13 00-0115	EA		32" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	524.77	69.74
			For Colored Vinyl, Add	38.53	
			For Tinted Glass, Add	46.23	
			For Low-E Insulated Glass, Add	96.32	
			For Obscure Glass, Add	105.95	
08 53 13 00-0116	EA		36" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	544.25	72.48
			For Colored Vinyl, Add	39.93	
			For Tinted Glass, Add	47.92	
			For Low-E Insulated Glass, Add	99.83	
			For Obscure Glass, Add	109.81	
08 53 13 00-0117	EA		44" x 36", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	576.62	77.95
			For Colored Vinyl, Add	42.07	
			For Tinted Glass, Add	50.49	
			For Low-E Insulated Glass, Add	105.18	
			For Obscure Glass, Add	115.70	
<b>08 53 13 00-0118</b>			<b>38" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0119	EA		24" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	496.53	65.64
			For Colored Vinyl, Add	36.53	
			For Tinted Glass, Add	43.83	
			For Low-E Insulated Glass, Add	91.31	
			For Obscure Glass, Add	100.44	
08 53 13 00-0120	EA		28" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	514.41	68.38
			For Colored Vinyl, Add	37.77	
			For Tinted Glass, Add	45.32	
			For Low-E Insulated Glass, Add	94.42	
			For Obscure Glass, Add	103.86	
08 53 13 00-0121	EA		30" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	523.34	69.74
			For Colored Vinyl, Add	38.39	
			For Tinted Glass, Add	46.06	
			For Low-E Insulated Glass, Add	95.96	
			For Obscure Glass, Add	105.56	
08 53 13 00-0122	EA		32" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	531.49	71.11
			For Colored Vinyl, Add	38.93	
			For Tinted Glass, Add	46.71	
			For Low-E Insulated Glass, Add	97.32	
			For Obscure Glass, Add	107.05	
08 53 13 00-0123	EA		36" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	551.34	73.84
			For Colored Vinyl, Add	40.36	
			For Tinted Glass, Add	48.44	
			For Low-E Insulated Glass, Add	100.91	
			For Obscure Glass, Add	111.00	
08 53 13 00-0124	EA		44" x 38", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	584.05	79.32
			For Colored Vinyl, Add	42.54	
			For Tinted Glass, Add	51.05	
			For Low-E Insulated Glass, Add	106.36	
			For Obscure Glass, Add	116.99	
<b>08 53 13 00-0125</b>			<b>44" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0126	EA		24" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	518.34	69.74
			For Colored Vinyl, Add	37.89	
			For Tinted Glass, Add	45.46	
			For Low-E Insulated Glass, Add	94.71	
			For Obscure Glass, Add	104.18	
08 53 13 00-0127	EA		28" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	536.21	72.48
			For Colored Vinyl, Add	39.13	
			For Tinted Glass, Add	46.95	
			For Low-E Insulated Glass, Add	97.82	
			For Obscure Glass, Add	107.60	
08 53 13 00-0128	EA		30" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	543.72	73.84
			For Colored Vinyl, Add	39.60	
			For Tinted Glass, Add	47.52	
			For Low-E Insulated Glass, Add	99.01	
			For Obscure Glass, Add	108.91	
08 53 13 00-0129	EA		32" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	551.87	75.21
			For Colored Vinyl, Add	40.14	
			For Tinted Glass, Add	48.17	
			For Low-E Insulated Glass, Add	100.36	
			For Obscure Glass, Add	110.40	
08 53 13 00-0130	EA		36" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	572.46	77.95
			For Colored Vinyl, Add	41.66	
			For Tinted Glass, Add	49.99	
			For Low-E Insulated Glass, Add	104.14	
			For Obscure Glass, Add	114.56	
08 53 13 00-0131	EA		44" x 44", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	606.94	83.41
			For Colored Vinyl, Add	44.01	
			For Tinted Glass, Add	52.81	
			For Low-E Insulated Glass, Add	110.03	
			For Obscure Glass, Add	121.03	

**08 Openings****08 50 Windows****08 53 Plastic Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0132			<b>46" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0133	EA		24" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	524.78	71.11
			<i>For Colored Vinyl, Add</i>	38.26	
			<i>For Tinted Glass, Add</i>	45.91	
			<i>For Low-E Insulated Glass, Add</i>	95.64	
			<i>For Obscure Glass, Add</i>	105.20	
08 53 13 00-0134	EA		28" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	542.67	73.84
			<i>For Colored Vinyl, Add</i>	39.50	
			<i>For Tinted Glass, Add</i>	47.40	
			<i>For Low-E Insulated Glass, Add</i>	98.74	
			<i>For Obscure Glass, Add</i>	108.62	
08 53 13 00-0135	EA		30" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	550.54	75.21
			<i>For Colored Vinyl, Add</i>	40.01	
			<i>For Tinted Glass, Add</i>	48.01	
			<i>For Low-E Insulated Glass, Add</i>	100.03	
			<i>For Obscure Glass, Add</i>	110.03	
08 53 13 00-0136	EA		32" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	558.69	76.58
			<i>For Colored Vinyl, Add</i>	40.55	
			<i>For Tinted Glass, Add</i>	48.66	
			<i>For Low-E Insulated Glass, Add</i>	101.38	
			<i>For Obscure Glass, Add</i>	111.52	
08 53 13 00-0137	EA		36" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	579.54	79.32
			<i>For Colored Vinyl, Add</i>	42.09	
			<i>For Tinted Glass, Add</i>	50.51	
			<i>For Low-E Insulated Glass, Add</i>	105.23	
			<i>For Obscure Glass, Add</i>	115.75	
08 53 13 00-0138	EA		44" x 46", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	615.05	84.79
			<i>For Colored Vinyl, Add</i>	44.55	
			<i>For Tinted Glass, Add</i>	53.46	
			<i>For Low-E Insulated Glass, Add</i>	111.37	
			<i>For Obscure Glass, Add</i>	122.51	
08 53 13 00-0139			<b>48" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0140	EA		24" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	531.28	72.48
			<i>For Colored Vinyl, Add</i>	38.63	
			<i>For Tinted Glass, Add</i>	46.36	
			<i>For Low-E Insulated Glass, Add</i>	96.58	
			<i>For Obscure Glass, Add</i>	106.24	
08 53 13 00-0141	EA		28" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	549.17	75.21
			<i>For Colored Vinyl, Add</i>	39.87	
			<i>For Tinted Glass, Add</i>	47.85	
			<i>For Low-E Insulated Glass, Add</i>	99.69	
			<i>For Obscure Glass, Add</i>	109.65	
08 53 13 00-0142	EA		30" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	557.25	76.58
			<i>For Colored Vinyl, Add</i>	40.41	
			<i>For Tinted Glass, Add</i>	48.49	
			<i>For Low-E Insulated Glass, Add</i>	101.02	
			<i>For Obscure Glass, Add</i>	111.12	
08 53 13 00-0143	EA		32" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	565.40	77.95
			<i>For Colored Vinyl, Add</i>	40.95	
			<i>For Tinted Glass, Add</i>	49.14	
			<i>For Low-E Insulated Glass, Add</i>	102.38	
			<i>For Obscure Glass, Add</i>	112.62	
08 53 13 00-0144	EA		36" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	586.61	80.68
			<i>For Colored Vinyl, Add</i>	42.52	
			<i>For Tinted Glass, Add</i>	51.03	
			<i>For Low-E Insulated Glass, Add</i>	106.31	
			<i>For Obscure Glass, Add</i>	116.94	
08 53 13 00-0145	EA		44" x 48", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	623.03	86.16
			<i>For Colored Vinyl, Add</i>	45.07	
			<i>For Tinted Glass, Add</i>	54.09	
			<i>For Low-E Insulated Glass, Add</i>	112.68	
			<i>For Obscure Glass, Add</i>	123.95	
08 53 13 00-0146			<b>50" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0147	EA		24" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	537.74	73.84
			<i>For Colored Vinyl, Add</i>	39.00	
			<i>For Tinted Glass, Add</i>	46.80	
			<i>For Low-E Insulated Glass, Add</i>	97.51	
			<i>For Obscure Glass, Add</i>	107.26	
08 53 13 00-0148	EA		28" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	555.61	76.58
			<i>For Colored Vinyl, Add</i>	40.25	
			<i>For Tinted Glass, Add</i>	48.29	
			<i>For Low-E Insulated Glass, Add</i>	100.61	
			<i>For Obscure Glass, Add</i>	110.67	
08 53 13 00-0149	EA		30" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	564.04	77.95
			<i>For Colored Vinyl, Add</i>	40.82	
			<i>For Tinted Glass, Add</i>	48.98	
			<i>For Low-E Insulated Glass, Add</i>	102.04	
			<i>For Obscure Glass, Add</i>	112.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0150	EA		32" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	572.20	79.32
			For Colored Vinyl, Add	41.36	
			For Tinted Glass, Add	49.63	
			For Low-E Insulated Glass, Add	103.39	
			For Obscure Glass, Add	113.73	
08 53 13 00-0151	EA		36" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	593.68	82.05
			For Colored Vinyl, Add	42.96	
			For Tinted Glass, Add	51.55	
			For Low-E Insulated Glass, Add	107.40	
			For Obscure Glass, Add	118.13	
08 53 13 00-0152	EA		44" x 50", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	631.12	87.52
			For Colored Vinyl, Add	45.61	
			For Tinted Glass, Add	54.73	
			For Low-E Insulated Glass, Add	114.02	
			For Obscure Glass, Add	125.42	
<b>08 53 13 00-0153</b>			<b>52" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0154	EA		24" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	544.21	75.21
			For Colored Vinyl, Add	39.38	
			For Tinted Glass, Add	47.25	
			For Low-E Insulated Glass, Add	98.45	
			For Obscure Glass, Add	108.29	
08 53 13 00-0155	EA		28" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	562.08	77.95
			For Colored Vinyl, Add	40.62	
			For Tinted Glass, Add	48.74	
			For Low-E Insulated Glass, Add	101.55	
			For Obscure Glass, Add	111.70	
08 53 13 00-0156	EA		30" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	570.76	79.32
			For Colored Vinyl, Add	41.21	
			For Tinted Glass, Add	49.46	
			For Low-E Insulated Glass, Add	103.03	
			For Obscure Glass, Add	113.34	
08 53 13 00-0157	EA		32" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	578.92	80.68
			For Colored Vinyl, Add	41.76	
			For Tinted Glass, Add	50.11	
			For Low-E Insulated Glass, Add	104.39	
			For Obscure Glass, Add	114.83	
08 53 13 00-0158	EA		36" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	601.35	83.41
			For Colored Vinyl, Add	43.45	
			For Tinted Glass, Add	52.14	
			For Low-E Insulated Glass, Add	108.63	
			For Obscure Glass, Add	119.49	
08 53 13 00-0159	EA		44" x 52", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	639.07	88.89
			For Colored Vinyl, Add	46.13	
			For Tinted Glass, Add	55.35	
			For Low-E Insulated Glass, Add	115.32	
			For Obscure Glass, Add	126.85	
<b>08 53 13 00-0160</b>			<b>54" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		
08 53 13 00-0161	EA		24" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	550.71	76.58
			For Colored Vinyl, Add	39.76	
			For Tinted Glass, Add	47.71	
			For Low-E Insulated Glass, Add	99.39	
			For Obscure Glass, Add	109.33	
08 53 13 00-0162	EA		28" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	568.60	79.32
			For Colored Vinyl, Add	41.00	
			For Tinted Glass, Add	49.20	
			For Low-E Insulated Glass, Add	102.49	
			For Obscure Glass, Add	112.74	
08 53 13 00-0163	EA		30" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	577.59	80.68
			For Colored Vinyl, Add	41.62	
			For Tinted Glass, Add	49.95	
			For Low-E Insulated Glass, Add	104.06	
			For Obscure Glass, Add	114.46	
08 53 13 00-0164	EA		32" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	585.74	82.05
			For Colored Vinyl, Add	42.16	
			For Tinted Glass, Add	50.60	
			For Low-E Insulated Glass, Add	105.41	
			For Obscure Glass, Add	115.95	
08 53 13 00-0165	EA		36" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	609.01	84.79
			For Colored Vinyl, Add	43.94	
			For Tinted Glass, Add	52.73	
			For Low-E Insulated Glass, Add	109.86	
			For Obscure Glass, Add	120.85	
08 53 13 00-0166	EA		44" x 54", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	647.04	90.25
			For Colored Vinyl, Add	46.65	
			For Tinted Glass, Add	55.98	
			For Low-E Insulated Glass, Add	116.63	
			For Obscure Glass, Add	128.30	
<b>08 53 13 00-0167</b>			<b>60" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)</b> <small>(08 53 13 00-0103)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 53 13 00-0168	EA 24" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	570.22	80.68
	For Colored Vinyl, Add	40.89	
	For Tinted Glass, Add	49.06	
	For Low-E Insulated Glass, Add	102.21	
	For Obscure Glass, Add	112.43	
08 53 13 00-0169	EA 28" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	588.10	83.41
	For Colored Vinyl, Add	42.13	
	For Tinted Glass, Add	50.55	
	For Low-E Insulated Glass, Add	105.32	
	For Obscure Glass, Add	115.85	
08 53 13 00-0170	EA 30" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	599.15	84.79
	For Colored Vinyl, Add	42.96	
	For Tinted Glass, Add	51.55	
	For Low-E Insulated Glass, Add	107.40	
	For Obscure Glass, Add	118.13	
08 53 13 00-0171	EA 32" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	607.30	86.16
	For Colored Vinyl, Add	43.50	
	For Tinted Glass, Add	52.20	
	For Low-E Insulated Glass, Add	108.75	
	For Obscure Glass, Add	119.63	
08 53 13 00-0172	EA 36" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	631.90	88.89
	For Colored Vinyl, Add	45.41	
	For Tinted Glass, Add	54.49	
	For Low-E Insulated Glass, Add	113.53	
	For Obscure Glass, Add	124.88	
08 53 13 00-0173	EA 44" x 60", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	671.04	94.36
	For Colored Vinyl, Add	48.23	
	For Tinted Glass, Add	57.88	
	For Low-E Insulated Glass, Add	120.58	
	For Obscure Glass, Add	132.64	

**08 53 13 00-0174 62" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** (08 53 13 00-0103)

08 53 13 00-0175	EA 24" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	576.69	82.05
	For Colored Vinyl, Add	41.26	
	For Tinted Glass, Add	49.51	
	For Low-E Insulated Glass, Add	103.15	
	For Obscure Glass, Add	113.46	
08 53 13 00-0176	EA 28" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	594.57	84.79
	For Colored Vinyl, Add	42.50	
	For Tinted Glass, Add	51.00	
	For Low-E Insulated Glass, Add	106.25	
	For Obscure Glass, Add	116.88	
08 53 13 00-0177	EA 30" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	606.46	86.16
	For Colored Vinyl, Add	43.42	
	For Tinted Glass, Add	52.10	
	For Low-E Insulated Glass, Add	108.54	
	For Obscure Glass, Add	119.39	
08 53 13 00-0178	EA 32" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	614.62	87.52
	For Colored Vinyl, Add	43.96	
	For Tinted Glass, Add	52.75	
	For Low-E Insulated Glass, Add	109.90	
	For Obscure Glass, Add	120.88	
08 53 13 00-0179	EA 36" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	639.49	90.25
	For Colored Vinyl, Add	45.90	
	For Tinted Glass, Add	55.08	
	For Low-E Insulated Glass, Add	114.75	
	For Obscure Glass, Add	126.22	
08 53 13 00-0180	EA 44" x 62", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	679.72	95.73
	For Colored Vinyl, Add	48.83	
	For Tinted Glass, Add	58.59	
	For Low-E Insulated Glass, Add	122.07	
	For Obscure Glass, Add	134.27	

**08 53 13 00-0181 66" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** (08 53 13 00-0103)

08 53 13 00-0182	EA 24" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	590.90	84.79
	For Colored Vinyl, Add	42.13	
	For Tinted Glass, Add	50.56	
	For Low-E Insulated Glass, Add	105.33	
	For Obscure Glass, Add	115.87	
08 53 13 00-0183	EA 28" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	608.78	87.52
	For Colored Vinyl, Add	43.37	
	For Tinted Glass, Add	52.05	
	For Low-E Insulated Glass, Add	108.44	
	For Obscure Glass, Add	119.28	
08 53 13 00-0184	EA 30" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	621.13	88.89
	For Colored Vinyl, Add	44.34	
	For Tinted Glass, Add	53.20	
	For Low-E Insulated Glass, Add	110.84	
	For Obscure Glass, Add	121.92	
08 53 13 00-0185	EA 32" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900).....	629.28	90.25
	For Colored Vinyl, Add	44.88	
	For Tinted Glass, Add	53.85	
	For Low-E Insulated Glass, Add	112.19	
	For Obscure Glass, Add	123.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0186	EA		36" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	654.82	92.99
			For Colored Vinyl, Add	46.88	
			For Tinted Glass, Add	56.26	
			For Low-E Insulated Glass, Add	117.21	
			For Obscure Glass, Add	128.93	
08 53 13 00-0187	EA		44" x 66", New Construction, Double Hung Vinyl Window (Silver Line 3900)	696.52	98.46
			For Colored Vinyl, Add	49.96	
			For Tinted Glass, Add	59.95	
			For Low-E Insulated Glass, Add	124.90	
			For Obscure Glass, Add	137.39	

**08 53 13 00-0188 72" Height, New Construction, Double Hung Vinyl Windows (Silver Line 3900)** (08 53 13 00-0103)

08 53 13 00-0189	EA		24" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	612.22	88.89
			For Colored Vinyl, Add	43.44	
			For Tinted Glass, Add	52.13	
			For Low-E Insulated Glass, Add	108.61	
			For Obscure Glass, Add	119.47	
08 53 13 00-0190	EA		28" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	630.10	91.62
			For Colored Vinyl, Add	44.69	
			For Tinted Glass, Add	53.62	
			For Low-E Insulated Glass, Add	111.71	
			For Obscure Glass, Add	122.88	
08 53 13 00-0191	EA		30" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	642.44	92.99
			For Colored Vinyl, Add	45.65	
			For Tinted Glass, Add	54.78	
			For Low-E Insulated Glass, Add	114.12	
			For Obscure Glass, Add	125.53	
08 53 13 00-0192	EA		32" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	650.59	94.36
			For Colored Vinyl, Add	46.19	
			For Tinted Glass, Add	55.43	
			For Low-E Insulated Glass, Add	115.47	
			For Obscure Glass, Add	127.02	
08 53 13 00-0193	EA		36" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	676.14	97.09
			For Colored Vinyl, Add	48.20	
			For Tinted Glass, Add	57.83	
			For Low-E Insulated Glass, Add	120.49	
			For Obscure Glass, Add	132.54	
08 53 13 00-0194	EA		44" x 72", New Construction, Double Hung Vinyl Window (Silver Line 3900)	717.84	102.56
			For Colored Vinyl, Add	51.27	
			For Tinted Glass, Add	61.53	
			For Low-E Insulated Glass, Add	128.18	
			For Obscure Glass, Add	141.00	

**08 53 13 00-0195 Replacement, Double Hung Vinyl Windows (Silver Line 8500)** (08 53 13 00-0102)

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0196	EA		Up To 73" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	590.19	71.80
			For Colored Vinyl, Add	44.66	
			For Tinted Glass, Add	53.59	
			For Low-E Insulated Glass, Add	111.65	
			For Obscure Glass, Add	122.82	
08 53 13 00-0197	EA		>73" To 83" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	650.54	78.63
			For Colored Vinyl, Add	49.33	
			For Tinted Glass, Add	59.19	
			For Low-E Insulated Glass, Add	123.32	
			For Obscure Glass, Add	135.65	
08 53 13 00-0198	EA		>83" To 93" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	707.39	85.47
			For Colored Vinyl, Add	53.65	
			For Tinted Glass, Add	64.37	
			For Low-E Insulated Glass, Add	134.11	
			For Obscure Glass, Add	147.52	
08 53 13 00-0199	EA		>93" To 101" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	749.56	92.31
			For Colored Vinyl, Add	56.49	
			For Tinted Glass, Add	67.79	
			For Low-E Insulated Glass, Add	141.24	
			For Obscure Glass, Add	155.36	
08 53 13 00-0200	EA		>101" To 110" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	794.34	99.15
			For Colored Vinyl, Add	59.61	
			For Tinted Glass, Add	71.53	
			For Low-E Insulated Glass, Add	149.01	
			For Obscure Glass, Add	163.91	
08 53 13 00-0201	EA		>110" To 120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	862.21	105.98
			For Colored Vinyl, Add	65.02	
			For Tinted Glass, Add	78.03	
			For Low-E Insulated Glass, Add	162.56	
			For Obscure Glass, Add	178.82	
08 53 13 00-0202	UI		>120" UI, Replacement, Double Hung Vinyl Window (Silver Line 8500)	7.20	0.89
			For Colored Vinyl, Add	0.54	
			For Tinted Glass, Add	0.65	
			For Low-E Insulated Glass, Add	1.36	
			For Obscure Glass, Add	1.49	

**08 53 13 00-0203 Casement Vinyl Windows** (08 53 13)



**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0204			<b>New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0203)</small> Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
08 53 13 00-0205			<b>One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
08 53 13 00-0206			<b>24" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0207	EA		17" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	439.08	51.97
			<i>For Colored Vinyl, Add</i>	33.65	
			<i>For Tinted Glass, Add</i>	40.38	
			<i>For Low-E Insulated Glass, Add</i>	84.13	
			<i>For Obscure Glass, Add</i>	92.54	
08 53 13 00-0208	EA		20" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	454.55	53.33
			<i>For Colored Vinyl, Add</i>	34.79	
			<i>For Tinted Glass, Add</i>	41.75	
			<i>For Low-E Insulated Glass, Add</i>	86.97	
			<i>For Obscure Glass, Add</i>	95.67	
08 53 13 00-0209	EA		24" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	471.38	56.07
			<i>For Colored Vinyl, Add</i>	35.92	
			<i>For Tinted Glass, Add</i>	43.11	
			<i>For Low-E Insulated Glass, Add</i>	89.81	
			<i>For Obscure Glass, Add</i>	98.79	
08 53 13 00-0210	EA		28" x 24", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	500.72	58.81
			<i>For Colored Vinyl, Add</i>	38.31	
			<i>For Tinted Glass, Add</i>	45.97	
			<i>For Low-E Insulated Glass, Add</i>	95.78	
			<i>For Obscure Glass, Add</i>	105.36	
08 53 13 00-0211			<b>28" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0212	EA		17" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	465.70	54.70
			<i>For Colored Vinyl, Add</i>	35.77	
			<i>For Tinted Glass, Add</i>	42.92	
			<i>For Low-E Insulated Glass, Add</i>	89.42	
			<i>For Obscure Glass, Add</i>	98.36	
08 53 13 00-0213	EA		20" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	482.46	56.07
			<i>For Colored Vinyl, Add</i>	37.03	
			<i>For Tinted Glass, Add</i>	44.44	
			<i>For Low-E Insulated Glass, Add</i>	92.58	
			<i>For Obscure Glass, Add</i>	101.84	
08 53 13 00-0214	EA		24" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	500.54	58.81
			<i>For Colored Vinyl, Add</i>	38.29	
			<i>For Tinted Glass, Add</i>	45.95	
			<i>For Low-E Insulated Glass, Add</i>	95.74	
			<i>For Obscure Glass, Add</i>	105.31	
08 53 13 00-0215	EA		28" x 28", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	531.44	61.54
			<i>For Colored Vinyl, Add</i>	40.84	
			<i>For Tinted Glass, Add</i>	49.00	
			<i>For Low-E Insulated Glass, Add</i>	102.09	
			<i>For Obscure Glass, Add</i>	112.30	
08 53 13 00-0216			<b>36" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0217	EA		17" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	497.99	58.81
			<i>For Colored Vinyl, Add</i>	38.04	
			<i>For Tinted Glass, Add</i>	45.65	
			<i>For Low-E Insulated Glass, Add</i>	95.10	
			<i>For Obscure Glass, Add</i>	104.61	
08 53 13 00-0218	EA		20" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	515.38	61.54
			<i>For Colored Vinyl, Add</i>	39.37	
			<i>For Tinted Glass, Add</i>	47.24	
			<i>For Low-E Insulated Glass, Add</i>	98.42	
			<i>For Obscure Glass, Add</i>	108.26	
08 53 13 00-0219	EA		24" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	534.17	63.59
			<i>For Colored Vinyl, Add</i>	40.70	
			<i>For Tinted Glass, Add</i>	48.84	
			<i>For Low-E Insulated Glass, Add</i>	101.75	
			<i>For Obscure Glass, Add</i>	111.92	
08 53 13 00-0220	EA		28" x 36", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	566.28	66.32
			<i>For Colored Vinyl, Add</i>	43.36	
			<i>For Tinted Glass, Add</i>	52.04	
			<i>For Low-E Insulated Glass, Add</i>	108.41	
			<i>For Obscure Glass, Add</i>	119.25	
08 53 13 00-0221			<b>40" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0222	EA		17" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	526.75	62.90
			<i>For Colored Vinyl, Add</i>	40.23	
			<i>For Tinted Glass, Add</i>	48.28	
			<i>For Low-E Insulated Glass, Add</i>	100.58	
			<i>For Obscure Glass, Add</i>	110.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0223	EA		20" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	545.04	64.27
			For Colored Vinyl, Add	41.65	
			For Tinted Glass, Add	49.98	
			For Low-E Insulated Glass, Add	104.13	
			For Obscure Glass, Add	114.54	
08 53 13 00-0224	EA		24" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	564.72	67.01
			For Colored Vinyl, Add	43.07	
			For Tinted Glass, Add	51.68	
			For Low-E Insulated Glass, Add	107.68	
			For Obscure Glass, Add	118.44	
08 53 13 00-0225	EA		28" x 40", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	599.34	69.74
			For Colored Vinyl, Add	45.99	
			For Tinted Glass, Add	55.18	
			For Low-E Insulated Glass, Add	114.96	
			For Obscure Glass, Add	126.46	
<b>08 53 13 00-0226</b>			<b>48" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0227	EA		17" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	559.82	68.38
			For Colored Vinyl, Add	42.44	
			For Tinted Glass, Add	50.93	
			For Low-E Insulated Glass, Add	106.11	
			For Obscure Glass, Add	116.72	
08 53 13 00-0228	EA		20" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	578.89	69.74
			For Colored Vinyl, Add	43.94	
			For Tinted Glass, Add	52.73	
			For Low-E Insulated Glass, Add	109.85	
			For Obscure Glass, Add	120.84	
08 53 13 00-0229	EA		24" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	599.35	72.48
			For Colored Vinyl, Add	45.44	
			For Tinted Glass, Add	54.53	
			For Low-E Insulated Glass, Add	113.60	
			For Obscure Glass, Add	124.96	
08 53 13 00-0230	EA		28" x 48", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	637.31	75.21
			For Colored Vinyl, Add	48.69	
			For Tinted Glass, Add	58.43	
			For Low-E Insulated Glass, Add	121.72	
			For Obscure Glass, Add	133.89	
<b>08 53 13 00-0231</b>			<b>52" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0232	EA		17" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	587.32	71.11
			For Colored Vinyl, Add	44.65	
			For Tinted Glass, Add	53.58	
			For Low-E Insulated Glass, Add	111.62	
			For Obscure Glass, Add	122.78	
08 53 13 00-0233	EA		20" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	607.42	72.48
			For Colored Vinyl, Add	46.25	
			For Tinted Glass, Add	55.50	
			For Low-E Insulated Glass, Add	115.62	
			For Obscure Glass, Add	127.18	
08 53 13 00-0234	EA		24" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	628.88	75.21
			For Colored Vinyl, Add	47.85	
			For Tinted Glass, Add	57.41	
			For Low-E Insulated Glass, Add	119.61	
			For Obscure Glass, Add	131.57	
08 53 13 00-0235	EA		28" x 52", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	667.45	77.95
			For Colored Vinyl, Add	51.16	
			For Tinted Glass, Add	61.39	
			For Low-E Insulated Glass, Add	127.89	
			For Obscure Glass, Add	140.68	
<b>08 53 13 00-0236</b>			<b>60" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> (08 53 13 00-0205)		
08 53 13 00-0237	EA		17" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	618.92	75.21
			For Colored Vinyl, Add	46.85	
			For Tinted Glass, Add	56.22	
			For Low-E Insulated Glass, Add	117.12	
			For Obscure Glass, Add	128.83	
08 53 13 00-0238	EA		20" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	640.04	77.95
			For Colored Vinyl, Add	48.55	
			For Tinted Glass, Add	58.26	
			For Low-E Insulated Glass, Add	121.38	
			For Obscure Glass, Add	133.52	
08 53 13 00-0239	EA		24" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	662.54	79.99
			For Colored Vinyl, Add	50.25	
			For Tinted Glass, Add	60.30	
			For Low-E Insulated Glass, Add	125.64	
			For Obscure Glass, Add	138.20	
08 53 13 00-0240	EA		28" x 60", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	701.71	82.74
			For Colored Vinyl, Add	53.62	
			For Tinted Glass, Add	64.35	
			For Low-E Insulated Glass, Add	134.06	
			For Obscure Glass, Add	147.47	

**08 Openings****08 50 Windows****08 53 Plastic Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0241			<b>64" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0242	EA		17" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	647.26	79.32
			<i>For Colored Vinyl, Add</i>	49.00	
			<i>For Tinted Glass, Add</i>	58.80	
			<i>For Low-E Insulated Glass, Add</i>	122.50	
			<i>For Obscure Glass, Add</i>	134.75	
08 53 13 00-0243	EA		20" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	668.91	80.68
			<i>For Colored Vinyl, Add</i>	50.75	
			<i>For Tinted Glass, Add</i>	60.90	
			<i>For Low-E Insulated Glass, Add</i>	126.89	
			<i>For Obscure Glass, Add</i>	139.57	
08 53 13 00-0244	EA		24" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	692.80	83.41
			<i>For Colored Vinyl, Add</i>	52.60	
			<i>For Tinted Glass, Add</i>	63.12	
			<i>For Low-E Insulated Glass, Add</i>	131.49	
			<i>For Obscure Glass, Add</i>	144.64	
08 53 13 00-0245	EA		28" x 64", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	731.09	86.16
			<i>For Colored Vinyl, Add</i>	55.88	
			<i>For Tinted Glass, Add</i>	67.05	
			<i>For Low-E Insulated Glass, Add</i>	139.70	
			<i>For Obscure Glass, Add</i>	153.67	
08 53 13 00-0246			<b>72" Height, One Operating Sash, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0205)</small>		
08 53 13 00-0247	EA		17" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	682.24	83.41
			<i>For Colored Vinyl, Add</i>	51.54	
			<i>For Tinted Glass, Add</i>	61.85	
			<i>For Low-E Insulated Glass, Add</i>	128.85	
			<i>For Obscure Glass, Add</i>	141.74	
08 53 13 00-0248	EA		20" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	704.98	86.16
			<i>For Colored Vinyl, Add</i>	53.40	
			<i>For Tinted Glass, Add</i>	64.08	
			<i>For Low-E Insulated Glass, Add</i>	133.51	
			<i>For Obscure Glass, Add</i>	146.86	
08 53 13 00-0249	EA		24" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	727.89	88.20
			<i>For Colored Vinyl, Add</i>	55.15	
			<i>For Tinted Glass, Add</i>	66.18	
			<i>For Low-E Insulated Glass, Add</i>	137.87	
			<i>For Obscure Glass, Add</i>	151.66	
08 53 13 00-0250	EA		28" x 72", One Operating Sash, New Construction, Casement Vinyl Window (Silver Line 7550).....	765.72	90.94
			<i>For Colored Vinyl, Add</i>	58.39	
			<i>For Tinted Glass, Add</i>	70.06	
			<i>For Low-E Insulated Glass, Add</i>	145.96	
			<i>For Obscure Glass, Add</i>	160.56	
08 53 13 00-0251			<b>Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
08 53 13 00-0252			<b>36" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0253	EA		33" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	870.10	69.74
			<i>For Colored Vinyl, Add</i>	73.06	
			<i>For Tinted Glass, Add</i>	87.67	
			<i>For Low-E Insulated Glass, Add</i>	182.65	
			<i>For Obscure Glass, Add</i>	200.92	
08 53 13 00-0254	EA		40" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	902.60	75.21
			<i>For Colored Vinyl, Add</i>	75.35	
			<i>For Tinted Glass, Add</i>	90.42	
			<i>For Low-E Insulated Glass, Add</i>	188.39	
			<i>For Obscure Glass, Add</i>	207.22	
08 53 13 00-0255	EA		48" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	936.51	80.68
			<i>For Colored Vinyl, Add</i>	77.65	
			<i>For Tinted Glass, Add</i>	93.18	
			<i>For Low-E Insulated Glass, Add</i>	194.13	
			<i>For Obscure Glass, Add</i>	213.54	
08 53 13 00-0256	EA		56" x 36", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	974.68	85.47
			<i>For Colored Vinyl, Add</i>	80.37	
			<i>For Tinted Glass, Add</i>	96.45	
			<i>For Low-E Insulated Glass, Add</i>	200.94	
			<i>For Obscure Glass, Add</i>	221.03	
08 53 13 00-0257			<b>40" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0258	EA		33" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	921.12	73.16
			<i>For Colored Vinyl, Add</i>	77.48	
			<i>For Tinted Glass, Add</i>	92.98	
			<i>For Low-E Insulated Glass, Add</i>	193.70	
			<i>For Obscure Glass, Add</i>	213.07	
08 53 13 00-0259	EA		40" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	955.51	77.95
			<i>For Colored Vinyl, Add</i>	79.96	
			<i>For Tinted Glass, Add</i>	95.95	
			<i>For Low-E Insulated Glass, Add</i>	199.91	
			<i>For Obscure Glass, Add</i>	219.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0260	EA		48" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	991.32	83.41
			For Colored Vinyl, Add	82.45	
			For Tinted Glass, Add	98.94	
			For Low-E Insulated Glass, Add	206.12	
			For Obscure Glass, Add	226.73	
08 53 13 00-0261	EA		56" x 40", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,028.33	88.89
			For Colored Vinyl, Add	85.06	
			For Tinted Glass, Add	102.07	
			For Low-E Insulated Glass, Add	212.64	
			For Obscure Glass, Add	233.90	
<b>08 53 13 00-0262</b>			<b>48" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0263	EA		33" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	977.13	78.63
			For Colored Vinyl, Add	81.99	
			For Tinted Glass, Add	98.38	
			For Low-E Insulated Glass, Add	204.97	
			For Obscure Glass, Add	225.46	
08 53 13 00-0264	EA		40" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,012.89	83.41
			For Colored Vinyl, Add	84.61	
			For Tinted Glass, Add	101.53	
			For Low-E Insulated Glass, Add	211.51	
			For Obscure Glass, Add	232.66	
08 53 13 00-0265	EA		48" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,050.04	88.89
			For Colored Vinyl, Add	87.23	
			For Tinted Glass, Add	104.67	
			For Low-E Insulated Glass, Add	218.07	
			For Obscure Glass, Add	239.87	
08 53 13 00-0266	EA		56" x 48", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,090.24	94.36
			For Colored Vinyl, Add	90.15	
			For Tinted Glass, Add	108.18	
			For Low-E Insulated Glass, Add	225.38	
			For Obscure Glass, Add	247.92	
<b>08 53 13 00-0267</b>			<b>52" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0268	EA		33" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,027.55	81.37
			For Colored Vinyl, Add	86.48	
			For Tinted Glass, Add	103.78	
			For Low-E Insulated Glass, Add	216.21	
			For Obscure Glass, Add	237.83	
08 53 13 00-0269	EA		40" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,065.12	86.16
			For Colored Vinyl, Add	89.28	
			For Tinted Glass, Add	107.14	
			For Low-E Insulated Glass, Add	223.21	
			For Obscure Glass, Add	245.53	
08 53 13 00-0270	EA		48" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,104.07	91.62
			For Colored Vinyl, Add	92.08	
			For Tinted Glass, Add	110.50	
			For Low-E Insulated Glass, Add	230.21	
			For Obscure Glass, Add	253.23	
08 53 13 00-0271	EA		56" x 52", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,144.90	97.09
			For Colored Vinyl, Add	95.07	
			For Tinted Glass, Add	114.09	
			For Low-E Insulated Glass, Add	237.68	
			For Obscure Glass, Add	261.45	
<b>08 53 13 00-0272</b>			<b>60" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0273	EA		33" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,082.08	86.16
			For Colored Vinyl, Add	90.98	
			For Tinted Glass, Add	109.17	
			For Low-E Insulated Glass, Add	227.45	
			For Obscure Glass, Add	250.19	
08 53 13 00-0274	EA		40" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,121.47	91.62
			For Colored Vinyl, Add	93.96	
			For Tinted Glass, Add	112.75	
			For Low-E Insulated Glass, Add	234.90	
			For Obscure Glass, Add	258.39	
08 53 13 00-0275	EA		48" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,162.20	97.09
			For Colored Vinyl, Add	96.94	
			For Tinted Glass, Add	116.33	
			For Low-E Insulated Glass, Add	242.35	
			For Obscure Glass, Add	266.58	
08 53 13 00-0276	EA		56" x 60", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,203.63	101.88
			For Colored Vinyl, Add	99.99	
			For Tinted Glass, Add	119.98	
			For Low-E Insulated Glass, Add	249.97	
			For Obscure Glass, Add	274.96	
<b>08 53 13 00-0277</b>			<b>64" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0278	EA		33" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,135.34	89.58
			<i>For Colored Vinyl, Add</i>	95.62	
			<i>For Tinted Glass, Add</i>	114.74	
			<i>For Low-E Insulated Glass, Add</i>	239.05	
			<i>For Obscure Glass, Add</i>	262.96	
08 53 13 00-0279	EA		40" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,174.73	94.36
			<i>For Colored Vinyl, Add</i>	98.60	
			<i>For Tinted Glass, Add</i>	118.32	
			<i>For Low-E Insulated Glass, Add</i>	246.51	
			<i>For Obscure Glass, Add</i>	271.16	
08 53 13 00-0280	EA		48" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,215.32	99.83
			<i>For Colored Vinyl, Add</i>	101.57	
			<i>For Tinted Glass, Add</i>	121.88	
			<i>For Low-E Insulated Glass, Add</i>	253.92	
			<i>For Obscure Glass, Add</i>	279.31	
08 53 13 00-0281	EA		56" x 64", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,256.89	105.30
			<i>For Colored Vinyl, Add</i>	104.63	
			<i>For Tinted Glass, Add</i>	125.55	
			<i>For Low-E Insulated Glass, Add</i>	261.57	
			<i>For Obscure Glass, Add</i>	287.73	
08 53 13 00-0282			<b>72" Height, Two Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0251)</small>		
08 53 13 00-0283	EA		33" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,194.34	94.36
			<i>For Colored Vinyl, Add</i>	100.56	
			<i>For Tinted Glass, Add</i>	120.68	
			<i>For Low-E Insulated Glass, Add</i>	251.41	
			<i>For Obscure Glass, Add</i>	276.55	
08 53 13 00-0284	EA		40" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,233.74	99.83
			<i>For Colored Vinyl, Add</i>	103.55	
			<i>For Tinted Glass, Add</i>	124.25	
			<i>For Low-E Insulated Glass, Add</i>	258.86	
			<i>For Obscure Glass, Add</i>	284.75	
08 53 13 00-0285	EA		48" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,274.49	105.30
			<i>For Colored Vinyl, Add</i>	106.53	
			<i>For Tinted Glass, Add</i>	127.83	
			<i>For Low-E Insulated Glass, Add</i>	266.32	
			<i>For Obscure Glass, Add</i>	292.95	
08 53 13 00-0286	EA		56" x 72", Two Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,315.93	110.09
			<i>For Colored Vinyl, Add</i>	109.58	
			<i>For Tinted Glass, Add</i>	131.49	
			<i>For Low-E Insulated Glass, Add</i>	273.94	
			<i>For Obscure Glass, Add</i>	301.33	
08 53 13 00-0287			<b>Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0204)</small>		
08 53 13 00-0288			<b>36" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0289	EA		62" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,074.94	88.89
			<i>For Colored Vinyl, Add</i>	89.72	
			<i>For Tinted Glass, Add</i>	107.66	
			<i>For Low-E Insulated Glass, Add</i>	224.29	
			<i>For Obscure Glass, Add</i>	246.72	
08 53 13 00-0290	EA		72" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,126.40	95.73
			<i>For Colored Vinyl, Add</i>	93.50	
			<i>For Tinted Glass, Add</i>	112.19	
			<i>For Low-E Insulated Glass, Add</i>	233.74	
			<i>For Obscure Glass, Add</i>	257.11	
08 53 13 00-0291	EA		86" x 36", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,218.02	105.98
			<i>For Colored Vinyl, Add</i>	100.61	
			<i>For Tinted Glass, Add</i>	120.73	
			<i>For Low-E Insulated Glass, Add</i>	251.51	
			<i>For Obscure Glass, Add</i>	276.66	
08 53 13 00-0292			<b>40" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0293	EA		62" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,144.81	92.99
			<i>For Colored Vinyl, Add</i>	96.02	
			<i>For Tinted Glass, Add</i>	115.22	
			<i>For Low-E Insulated Glass, Add</i>	240.05	
			<i>For Obscure Glass, Add</i>	264.05	
08 53 13 00-0294	EA		72" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,196.65	99.15
			<i>For Colored Vinyl, Add</i>	99.84	
			<i>For Tinted Glass, Add</i>	119.80	
			<i>For Low-E Insulated Glass, Add</i>	249.59	
			<i>For Obscure Glass, Add</i>	274.55	
08 53 13 00-0295	EA		86" x 40", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550) .....	1,293.38	109.40
			<i>For Colored Vinyl, Add</i>	107.46	
			<i>For Tinted Glass, Add</i>	128.95	
			<i>For Low-E Insulated Glass, Add</i>	268.64	
			<i>For Obscure Glass, Add</i>	295.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 53 13 00-0296			<b>48" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0297	EA		62" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,211.12	98.46
			For Colored Vinyl, Add	101.42	
			For Tinted Glass, Add	121.70	
			For Low-E Insulated Glass, Add	253.55	
			For Obscure Glass, Add	278.91	
08 53 13 00-0298	EA		72" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,271.91	104.61
			For Colored Vinyl, Add	106.27	
			For Tinted Glass, Add	127.52	
			For Low-E Insulated Glass, Add	265.67	
			For Obscure Glass, Add	292.24	
08 53 13 00-0299	EA		86" x 48", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,373.01	114.87
			For Colored Vinyl, Add	114.33	
			For Tinted Glass, Add	137.19	
			For Low-E Insulated Glass, Add	285.82	
			For Obscure Glass, Add	314.40	
08 53 13 00-0300			<b>52" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0301	EA		62" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,277.45	101.19
			For Colored Vinyl, Add	107.51	
			For Tinted Glass, Add	129.01	
			For Low-E Insulated Glass, Add	268.77	
			For Obscure Glass, Add	295.64	
08 53 13 00-0302	EA		72" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,342.27	108.03
			For Colored Vinyl, Add	112.62	
			For Tinted Glass, Add	135.15	
			For Low-E Insulated Glass, Add	281.55	
			For Obscure Glass, Add	309.71	
08 53 13 00-0303	EA		86" x 52", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,457.28	117.60
			For Colored Vinyl, Add	122.21	
			For Tinted Glass, Add	146.65	
			For Low-E Insulated Glass, Add	305.52	
			For Obscure Glass, Add	336.07	
08 53 13 00-0304			<b>60" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0305	EA		62" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,347.86	105.98
			For Colored Vinyl, Add	113.59	
			For Tinted Glass, Add	136.31	
			For Low-E Insulated Glass, Add	283.97	
			For Obscure Glass, Add	312.37	
08 53 13 00-0306	EA		72" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,415.33	112.82
			For Colored Vinyl, Add	118.97	
			For Tinted Glass, Add	142.76	
			For Low-E Insulated Glass, Add	297.42	
			For Obscure Glass, Add	327.16	
08 53 13 00-0307	EA		86" x 60", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,545.64	122.39
			For Colored Vinyl, Add	130.09	
			For Tinted Glass, Add	156.10	
			For Low-E Insulated Glass, Add	325.22	
			For Obscure Glass, Add	357.74	
08 53 13 00-0308			<b>64" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0309	EA		62" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,423.43	109.40
			For Colored Vinyl, Add	120.46	
			For Tinted Glass, Add	144.55	
			For Low-E Insulated Glass, Add	301.16	
			For Obscure Glass, Add	331.27	
08 53 13 00-0310	EA		72" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,490.87	116.24
			For Colored Vinyl, Add	125.84	
			For Tinted Glass, Add	151.01	
			For Low-E Insulated Glass, Add	314.60	
			For Obscure Glass, Add	346.06	
08 53 13 00-0311	EA		86" x 64", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,621.18	125.81
			For Colored Vinyl, Add	136.96	
			For Tinted Glass, Add	164.35	
			For Low-E Insulated Glass, Add	342.39	
			For Obscure Glass, Add	376.63	
08 53 13 00-0312			<b>72" Height, Three Operating Sashes, New Construction, Casement Vinyl Windows (Silver Line 7550)</b> <small>(08 53 13 00-0287)</small>		
08 53 13 00-0313	EA		62" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7550).....	1,501.87	114.18
			For Colored Vinyl, Add	127.35	
			For Tinted Glass, Add	152.82	
			For Low-E Insulated Glass, Add	318.37	
			For Obscure Glass, Add	350.21	

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0314	EA 72" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	1,569.31	121.02
	For Colored Vinyl, Add	132.73	
	For Tinted Glass, Add	159.27	
	For Low-E Insulated Glass, Add	331.82	
	For Obscure Glass, Add	365.00	
08 53 13 00-0315	EA 86" x 72", Three Operating Sashes, New Construction, Casement Vinyl Window (Silver Line 7500).....	1,699.62	130.60
	For Colored Vinyl, Add	143.84	
	For Tinted Glass, Add	172.61	
	For Low-E Insulated Glass, Add	359.61	
	For Obscure Glass, Add	395.57	
08 53 13 00-0316	<b>Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0203)</small>		
	Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0317	<b>One Operating Sash, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0316)</small>		
08 53 13 00-0318	EA Up To 53" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	560.92	58.12
	For Colored Vinyl, Add	44.47	
	For Tinted Glass, Add	53.36	
	For Low-E Insulated Glass, Add	111.17	
	For Obscure Glass, Add	122.29	
08 53 13 00-0319	EA >53 To 63" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	636.48	64.96
	For Colored Vinyl, Add	50.66	
	For Tinted Glass, Add	60.79	
	For Low-E Insulated Glass, Add	126.64	
	For Obscure Glass, Add	139.30	
08 53 13 00-0320	EA >63 To 73" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	705.03	71.80
	For Colored Vinyl, Add	56.14	
	For Tinted Glass, Add	67.37	
	For Low-E Insulated Glass, Add	140.36	
	For Obscure Glass, Add	154.40	
08 53 13 00-0321	EA >73" To 83" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	766.61	78.63
	For Colored Vinyl, Add	60.93	
	For Tinted Glass, Add	73.12	
	For Low-E Insulated Glass, Add	152.34	
	For Obscure Glass, Add	167.57	
08 53 13 00-0322	EA >83" To 93" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	821.18	85.47
	For Colored Vinyl, Add	65.02	
	For Tinted Glass, Add	78.03	
	For Low-E Insulated Glass, Add	162.56	
	For Obscure Glass, Add	178.82	
08 53 13 00-0323	EA >93" To 101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	855.49	92.31
	For Colored Vinyl, Add	67.09	
	For Tinted Glass, Add	80.50	
	For Low-E Insulated Glass, Add	167.72	
	For Obscure Glass, Add	184.49	
08 53 13 00-0324	UI >101" UI, One Operating Sash, Replacement, Casement Vinyl Window (Silver Line 7500).....	8.42	0.89
	For Colored Vinyl, Add	0.66	
	For Tinted Glass, Add	0.80	
	For Low-E Insulated Glass, Add	1.66	
	For Obscure Glass, Add	1.83	
08 53 13 00-0325	<b>Two Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> <small>(08 53 13 00-0316)</small>		
08 53 13 00-0326	EA Up To 73" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	921.95	71.80
	For Colored Vinyl, Add	77.84	
	For Tinted Glass, Add	93.40	
	For Low-E Insulated Glass, Add	194.59	
	For Obscure Glass, Add	214.05	
08 53 13 00-0327	EA >73" To 83" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,013.24	78.63
	For Colored Vinyl, Add	85.60	
	For Tinted Glass, Add	102.72	
	For Low-E Insulated Glass, Add	213.99	
	For Obscure Glass, Add	235.39	
08 53 13 00-0328	EA >83" To 93" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,097.53	85.47
	For Colored Vinyl, Add	92.66	
	For Tinted Glass, Add	111.19	
	For Low-E Insulated Glass, Add	231.65	
	For Obscure Glass, Add	254.81	
08 53 13 00-0329	EA >93" To 101" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,155.61	92.31
	For Colored Vinyl, Add	97.10	
	For Tinted Glass, Add	116.52	
	For Low-E Insulated Glass, Add	242.75	
	For Obscure Glass, Add	267.02	
08 53 13 00-0330	EA >101" To 110" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,217.35	99.15
	For Colored Vinyl, Add	101.91	
	For Tinted Glass, Add	122.29	
	For Low-E Insulated Glass, Add	254.77	
	For Obscure Glass, Add	280.24	
08 53 13 00-0331	EA >110" To 120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,281.72	105.98
	For Colored Vinyl, Add	106.98	
	For Tinted Glass, Add	128.37	
	For Low-E Insulated Glass, Add	267.44	
	For Obscure Glass, Add	294.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0332	UI		>120" UI, Two Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	10.69	0.89
			For Colored Vinyl, Add	0.89	
			For Tinted Glass, Add	1.07	
			For Low-E Insulated Glass, Add	2.23	
			For Obscure Glass, Add	2.45	
<b>08 53 13 00-0333</b>			<b>Three Operating Sashes, Replacement, Casement Vinyl Windows (Silver Line 7500)</b> (08 53 13 00-0316)		
08 53 13 00-0334	EA		Up To 73" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	960.23	71.80
			For Colored Vinyl, Add	81.66	
			For Tinted Glass, Add	98.00	
			For Low-E Insulated Glass, Add	204.16	
			For Obscure Glass, Add	224.58	
08 53 13 00-0335	EA		>73" To 83" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,055.72	78.63
			For Colored Vinyl, Add	89.85	
			For Tinted Glass, Add	107.81	
			For Low-E Insulated Glass, Add	224.61	
			For Obscure Glass, Add	247.07	
08 53 13 00-0336	EA		>83" To 93" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,146.30	85.47
			For Colored Vinyl, Add	97.54	
			For Tinted Glass, Add	117.04	
			For Low-E Insulated Glass, Add	243.84	
			For Obscure Glass, Add	268.22	
08 53 13 00-0337	EA		>93" To 101" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,208.57	92.31
			For Colored Vinyl, Add	102.40	
			For Tinted Glass, Add	122.87	
			For Low-E Insulated Glass, Add	255.99	
			For Obscure Glass, Add	281.59	
08 53 13 00-0338	EA		>101" To 110" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,275.03	99.15
			For Colored Vinyl, Add	107.67	
			For Tinted Glass, Add	129.21	
			For Low-E Insulated Glass, Add	269.19	
			For Obscure Glass, Add	296.10	
08 53 13 00-0339	EA		>110" To 120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	1,344.64	105.98
			For Colored Vinyl, Add	113.27	
			For Tinted Glass, Add	135.92	
			For Low-E Insulated Glass, Add	283.17	
			For Obscure Glass, Add	311.48	
08 53 13 00-0340	UI		>120" UI, Three Operating Sashes, Replacement, Casement Vinyl Window (Silver Line 7500).....	11.22	0.89
			For Colored Vinyl, Add	0.94	
			For Tinted Glass, Add	1.13	
			For Low-E Insulated Glass, Add	2.36	
			For Obscure Glass, Add	2.60	
<b>08 53 13 00-0341</b>			<b>Awning Vinyl Windows</b> (08 53 13)		
<b>08 53 13 00-0342</b>			<b>New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0341)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0343</b>			<b>Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0342)		
<b>08 53 13 00-0344</b>			<b>17" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0343)		
08 53 13 00-0345	EA		24" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	563.71	56.07
			For Colored Vinyl, Add	45.16	
			For Tinted Glass, Add	54.19	
			For Low-E Insulated Glass, Add	112.89	
			For Obscure Glass, Add	124.18	
08 53 13 00-0346	EA		28" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	590.14	58.81
			For Colored Vinyl, Add	47.25	
			For Tinted Glass, Add	56.70	
			For Low-E Insulated Glass, Add	118.14	
			For Obscure Glass, Add	129.95	
08 53 13 00-0347	EA		36" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	631.19	63.59
			For Colored Vinyl, Add	50.40	
			For Tinted Glass, Add	60.48	
			For Low-E Insulated Glass, Add	126.00	
			For Obscure Glass, Add	138.60	
08 53 13 00-0348	EA		40" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	657.81	67.01
			For Colored Vinyl, Add	52.38	
			For Tinted Glass, Add	62.85	
			For Low-E Insulated Glass, Add	130.95	
			For Obscure Glass, Add	144.04	
08 53 13 00-0349	EA		48" x 17", Venting, New Construction, Awning Vinyl Window (Silver Line 7450).....	701.39	72.48
			For Colored Vinyl, Add	55.64	
			For Tinted Glass, Add	66.77	
			For Low-E Insulated Glass, Add	139.11	
			For Obscure Glass, Add	153.02	
<b>08 53 13 00-0350</b>			<b>20" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)</b> (08 53 13 00-0343)		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 53 13 00-0351	EA	24" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	594.03	58.81
		For Colored Vinyl, Add	47.78	
		For Tinted Glass, Add	57.33	
		For Low-E Insulated Glass, Add	119.45	
		For Obscure Glass, Add	131.39	
08 53 13 00-0352	EA	28" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	620.47	61.54
		For Colored Vinyl, Add	49.88	
		For Tinted Glass, Add	59.85	
		For Low-E Insulated Glass, Add	124.69	
		For Obscure Glass, Add	137.16	
08 53 13 00-0353	EA	36" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	664.41	65.64
		For Colored Vinyl, Add	53.31	
		For Tinted Glass, Add	63.98	
		For Low-E Insulated Glass, Add	133.28	
		For Obscure Glass, Add	146.61	
08 53 13 00-0354	EA	40" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	691.06	69.74
		For Colored Vinyl, Add	55.30	
		For Tinted Glass, Add	66.35	
		For Low-E Insulated Glass, Add	138.24	
		For Obscure Glass, Add	152.06	
08 53 13 00-0355	EA	48" x 20", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	737.53	74.53
		For Colored Vinyl, Add	58.85	
		For Tinted Glass, Add	70.62	
		For Low-E Insulated Glass, Add	147.12	
		For Obscure Glass, Add	161.83	

**08 53 13 00-0356 24" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)** (08 53 13 00-0343)

08 53 13 00-0357	EA	24" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	614.04	61.54
		For Colored Vinyl, Add	49.23	
		For Tinted Glass, Add	59.08	
		For Low-E Insulated Glass, Add	123.08	
		For Obscure Glass, Add	135.39	
08 53 13 00-0358	EA	28" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	640.48	64.27
		For Colored Vinyl, Add	51.33	
		For Tinted Glass, Add	61.60	
		For Low-E Insulated Glass, Add	128.33	
		For Obscure Glass, Add	141.16	
08 53 13 00-0359	EA	36" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	685.89	68.38
		For Colored Vinyl, Add	54.91	
		For Tinted Glass, Add	65.90	
		For Low-E Insulated Glass, Add	137.29	
		For Obscure Glass, Add	151.01	
08 53 13 00-0360	EA	40" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	714.89	72.48
		For Colored Vinyl, Add	57.13	
		For Tinted Glass, Add	68.56	
		For Low-E Insulated Glass, Add	142.83	
		For Obscure Glass, Add	157.11	
08 53 13 00-0361	EA	48" x 24", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	761.94	77.26
		For Colored Vinyl, Add	60.74	
		For Tinted Glass, Add	72.89	
		For Low-E Insulated Glass, Add	151.85	
		For Obscure Glass, Add	167.04	

**08 53 13 00-0362 28" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)** (08 53 13 00-0343)

08 53 13 00-0363	EA	24" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	634.09	64.27
		For Colored Vinyl, Add	50.69	
		For Tinted Glass, Add	60.83	
		For Low-E Insulated Glass, Add	126.73	
		For Obscure Glass, Add	139.40	
08 53 13 00-0364	EA	28" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	660.53	67.01
		For Colored Vinyl, Add	52.79	
		For Tinted Glass, Add	63.35	
		For Low-E Insulated Glass, Add	131.97	
		For Obscure Glass, Add	145.17	
08 53 13 00-0365	EA	36" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	707.40	71.11
		For Colored Vinyl, Add	56.52	
		For Tinted Glass, Add	67.82	
		For Low-E Insulated Glass, Add	141.30	
		For Obscure Glass, Add	155.42	
08 53 13 00-0366	EA	40" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	738.58	75.21
		For Colored Vinyl, Add	58.95	
		For Tinted Glass, Add	70.74	
		For Low-E Insulated Glass, Add	147.38	
		For Obscure Glass, Add	162.12	
08 53 13 00-0367	EA	48" x 28", Venting, New Construction, Awning Vinyl Window (Silver Line 7450)	786.36	79.99
		For Colored Vinyl, Add	62.64	
		For Tinted Glass, Add	75.16	
		For Low-E Insulated Glass, Add	156.59	
		For Obscure Glass, Add	172.25	

**08 53 13 00-0368 36" Height, Venting, New Construction, Awning Vinyl Windows (Silver Line 7450)** (08 53 13 00-0343)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0369	EA		36" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	749.00	75.90
			For Colored Vinyl, Add	59.72	
			For Tinted Glass, Add	71.67	
			For Low-E Insulated Glass, Add	149.30	
			For Obscure Glass, Add	164.23	
08 53 13 00-0370	EA		40" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	780.20	79.32
			For Colored Vinyl, Add	62.16	
			For Tinted Glass, Add	74.59	
			For Low-E Insulated Glass, Add	155.39	
			For Obscure Glass, Add	170.93	
08 53 13 00-0371	EA		48" x 36", Venting, New Construction, Awning Vinyl Window (Silver Line 7450) .....	830.89	84.79
			For Colored Vinyl, Add	66.13	
			For Tinted Glass, Add	79.36	
			For Low-E Insulated Glass, Add	165.33	
			For Obscure Glass, Add	181.86	
<b>08 53 13 00-0372</b>			<b>Replacement, Awning Vinyl Windows (Silver Line 7400)</b> (08 53 13 00-0341)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		
08 53 13 00-0373	EA		Up To 53" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	588.71	58.12
			For Colored Vinyl, Add	47.25	
			For Tinted Glass, Add	56.70	
			For Low-E Insulated Glass, Add	118.12	
			For Obscure Glass, Add	129.93	
08 53 13 00-0374	EA		>53" To 63" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	680.53	64.96
			For Colored Vinyl, Add	55.06	
			For Tinted Glass, Add	66.07	
			For Low-E Insulated Glass, Add	137.65	
			For Obscure Glass, Add	151.42	
08 53 13 00-0375	EA		>63" To 73" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	768.83	71.80
			For Colored Vinyl, Add	62.52	
			For Tinted Glass, Add	75.03	
			For Low-E Insulated Glass, Add	156.31	
			For Obscure Glass, Add	171.94	
08 53 13 00-0376	EA		>73" To 83" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	853.66	78.63
			For Colored Vinyl, Add	69.64	
			For Tinted Glass, Add	83.57	
			For Low-E Insulated Glass, Add	174.10	
			For Obscure Glass, Add	191.51	
08 53 13 00-0377	EA		>83" To 93" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	934.97	85.47
			For Colored Vinyl, Add	76.40	
			For Tinted Glass, Add	91.68	
			For Low-E Insulated Glass, Add	191.01	
			For Obscure Glass, Add	210.11	
08 53 13 00-0378	EA		>93" To 101" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	979.07	92.31
			For Colored Vinyl, Add	79.45	
			For Tinted Glass, Add	95.33	
			For Low-E Insulated Glass, Add	198.61	
			For Obscure Glass, Add	218.47	
08 53 13 00-0379	UI		>101" UI, Replacement, Awning Vinyl Window (Silver Line 7400) .....	9.65	0.89
			For Colored Vinyl, Add	0.79	
			For Tinted Glass, Add	0.94	
			For Low-E Insulated Glass, Add	1.97	
			For Obscure Glass, Add	2.16	
<b>08 53 13 00-0380</b>			<b>Horizontal Sliding Vinyl Windows</b> (08 53 13)		
<b>08 53 13 00-0381</b>			<b>New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0380)		
			Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.		
<b>08 53 13 00-0382</b>			<b>20" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0383	EA		36" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	343.70	67.01
			For Colored Vinyl, Add	21.11	
			For Tinted Glass, Add	25.33	
			For Low-E Insulated Glass, Add	52.76	
			For Obscure Glass, Add	58.04	
08 53 13 00-0384	EA		48" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	380.80	75.21
			For Colored Vinyl, Add	23.17	
			For Tinted Glass, Add	27.81	
			For Low-E Insulated Glass, Add	57.94	
			For Obscure Glass, Add	63.73	
08 53 13 00-0385	EA		54" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	399.36	78.63
			For Colored Vinyl, Add	24.21	
			For Tinted Glass, Add	29.05	
			For Low-E Insulated Glass, Add	60.52	
			For Obscure Glass, Add	66.57	
08 53 13 00-0386	EA		60" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	417.91	82.74
			For Colored Vinyl, Add	25.24	
			For Tinted Glass, Add	30.29	
			For Low-E Insulated Glass, Add	63.11	
			For Obscure Glass, Add	69.42	
08 53 13 00-0387	EA		64" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800) .....	430.27	86.16
			For Colored Vinyl, Add	25.93	
			For Tinted Glass, Add	31.12	
			For Low-E Insulated Glass, Add	64.83	
			For Obscure Glass, Add	71.32	



**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0388	EA 72" x 20", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	455.01	90.94
	For Colored Vinyl, Add	27.31	
	For Tinted Glass, Add	32.78	
	For Low-E Insulated Glass, Add	68.29	
	For Obscure Glass, Add	75.11	
<b>08 53 13 00-0389</b>	<b>24" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0390	EA 36" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	360.80	69.74
	For Colored Vinyl, Add	22.27	
	For Tinted Glass, Add	26.72	
	For Low-E Insulated Glass, Add	55.67	
	For Obscure Glass, Add	61.24	
08 53 13 00-0391	EA 48" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	398.86	77.95
	For Colored Vinyl, Add	24.43	
	For Tinted Glass, Add	29.32	
	For Low-E Insulated Glass, Add	61.08	
	For Obscure Glass, Add	67.19	
08 53 13 00-0392	EA 54" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	418.00	81.37
	For Colored Vinyl, Add	25.53	
	For Tinted Glass, Add	30.63	
	For Low-E Insulated Glass, Add	63.82	
	For Obscure Glass, Add	70.20	
08 53 13 00-0393	EA 60" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	436.94	85.47
	For Colored Vinyl, Add	26.60	
	For Tinted Glass, Add	31.92	
	For Low-E Insulated Glass, Add	66.50	
	For Obscure Glass, Add	73.15	
08 53 13 00-0394	EA 64" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	449.62	88.89
	For Colored Vinyl, Add	27.32	
	For Tinted Glass, Add	32.79	
	For Low-E Insulated Glass, Add	68.30	
	For Obscure Glass, Add	75.13	
08 53 13 00-0395	EA 72" x 24", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	474.99	93.67
	For Colored Vinyl, Add	28.76	
	For Tinted Glass, Add	34.52	
	For Low-E Insulated Glass, Add	71.91	
	For Obscure Glass, Add	79.10	
<b>08 53 13 00-0396</b>	<b>36" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0397	EA 36" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	412.46	77.95
	For Colored Vinyl, Add	25.79	
	For Tinted Glass, Add	30.95	
	For Low-E Insulated Glass, Add	64.48	
	For Obscure Glass, Add	70.93	
08 53 13 00-0398	EA 48" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	453.55	86.16
	For Colored Vinyl, Add	28.26	
	For Tinted Glass, Add	33.91	
	For Low-E Insulated Glass, Add	70.65	
	For Obscure Glass, Add	77.72	
08 53 13 00-0399	EA 54" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	474.12	89.58
	For Colored Vinyl, Add	29.50	
	For Tinted Glass, Add	35.40	
	For Low-E Insulated Glass, Add	73.75	
	For Obscure Glass, Add	81.12	
08 53 13 00-0400	EA 60" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	494.68	93.67
	For Colored Vinyl, Add	30.73	
	For Tinted Glass, Add	36.88	
	For Low-E Insulated Glass, Add	76.83	
	For Obscure Glass, Add	84.52	
08 53 13 00-0401	EA 64" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	508.40	95.73
	For Colored Vinyl, Add	31.56	
	For Tinted Glass, Add	37.87	
	For Low-E Insulated Glass, Add	78.90	
	For Obscure Glass, Add	86.78	
08 53 13 00-0402	EA 72" x 36", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	535.80	101.88
	For Colored Vinyl, Add	33.20	
	For Tinted Glass, Add	39.84	
	For Low-E Insulated Glass, Add	83.01	
	For Obscure Glass, Add	91.31	
<b>08 53 13 00-0403</b>	<b>42" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0404	EA 36" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	438.28	82.05
	For Colored Vinyl, Add	27.56	
	For Tinted Glass, Add	33.07	
	For Low-E Insulated Glass, Add	68.89	
	For Obscure Glass, Add	75.78	
08 53 13 00-0405	EA 48" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	480.91	90.25
	For Colored Vinyl, Add	30.18	
	For Tinted Glass, Add	36.21	
	For Low-E Insulated Glass, Add	75.44	
	For Obscure Glass, Add	82.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0406	EA		54" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	502.26	93.67
			For Colored Vinyl, Add	31.49	
			For Tinted Glass, Add	37.79	
			For Low-E Insulated Glass, Add	78.73	
			For Obscure Glass, Add	86.60	
08 53 13 00-0407	EA		60" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	523.57	97.77
			For Colored Vinyl, Add	32.80	
			For Tinted Glass, Add	39.36	
			For Low-E Insulated Glass, Add	82.01	
			For Obscure Glass, Add	90.21	
08 53 13 00-0408	EA		64" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	537.76	101.19
			For Colored Vinyl, Add	33.67	
			For Tinted Glass, Add	40.41	
			For Low-E Insulated Glass, Add	84.18	
			For Obscure Glass, Add	92.60	
08 53 13 00-0409	EA		72" x 42", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	566.21	105.98
			For Colored Vinyl, Add	35.42	
			For Tinted Glass, Add	42.51	
			For Low-E Insulated Glass, Add	88.56	
			For Obscure Glass, Add	97.42	
<b>08 53 13 00-0410</b>			<b>44" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0411	EA		36" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	446.89	83.41
			For Colored Vinyl, Add	28.14	
			For Tinted Glass, Add	33.77	
			For Low-E Insulated Glass, Add	70.36	
			For Obscure Glass, Add	77.39	
08 53 13 00-0412	EA		48" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	490.03	91.62
			For Colored Vinyl, Add	30.82	
			For Tinted Glass, Add	36.98	
			For Low-E Insulated Glass, Add	77.04	
			For Obscure Glass, Add	84.74	
08 53 13 00-0413	EA		54" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	511.60	95.04
			For Colored Vinyl, Add	32.15	
			For Tinted Glass, Add	38.58	
			For Low-E Insulated Glass, Add	80.38	
			For Obscure Glass, Add	88.42	
08 53 13 00-0414	EA		60" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	533.20	99.15
			For Colored Vinyl, Add	33.49	
			For Tinted Glass, Add	40.19	
			For Low-E Insulated Glass, Add	83.73	
			For Obscure Glass, Add	92.10	
08 53 13 00-0415	EA		64" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	547.58	102.56
			For Colored Vinyl, Add	34.38	
			For Tinted Glass, Add	41.26	
			For Low-E Insulated Glass, Add	85.96	
			For Obscure Glass, Add	94.55	
08 53 13 00-0416	EA		72" x 44", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	576.32	107.35
			For Colored Vinyl, Add	36.16	
			For Tinted Glass, Add	43.39	
			For Low-E Insulated Glass, Add	90.41	
			For Obscure Glass, Add	99.45	
<b>08 53 13 00-0417</b>			<b>46" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> (08 53 13 00-0381)		
08 53 13 00-0418	EA		36" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	455.50	84.79
			For Colored Vinyl, Add	28.73	
			For Tinted Glass, Add	34.47	
			For Low-E Insulated Glass, Add	71.82	
			For Obscure Glass, Add	79.00	
08 53 13 00-0419	EA		48" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	499.15	92.99
			For Colored Vinyl, Add	31.45	
			For Tinted Glass, Add	37.74	
			For Low-E Insulated Glass, Add	78.63	
			For Obscure Glass, Add	86.50	
08 53 13 00-0420	EA		54" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	520.98	96.41
			For Colored Vinyl, Add	32.82	
			For Tinted Glass, Add	39.38	
			For Low-E Insulated Glass, Add	82.04	
			For Obscure Glass, Add	90.24	
08 53 13 00-0421	EA		60" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	542.79	100.51
			For Colored Vinyl, Add	34.18	
			For Tinted Glass, Add	41.01	
			For Low-E Insulated Glass, Add	85.44	
			For Obscure Glass, Add	93.98	
08 53 13 00-0422	EA		64" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	557.34	103.93
			For Colored Vinyl, Add	35.09	
			For Tinted Glass, Add	42.10	
			For Low-E Insulated Glass, Add	87.71	
			For Obscure Glass, Add	96.48	
08 53 13 00-0423	EA		72" x 46", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	586.46	108.72
			For Colored Vinyl, Add	36.90	
			For Tinted Glass, Add	44.28	
			For Low-E Insulated Glass, Add	92.26	
			For Obscure Glass, Add	101.48	

**08 Openings****08 50 Windows****08 53 Plastic Windows**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 53 13 00-0424			<b>48" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0425	EA		36" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	464.11	86.16
			<i>For Colored Vinyl, Add</i>	29.32	
			<i>For Tinted Glass, Add</i>	35.18	
			<i>For Low-E Insulated Glass, Add</i>	73.29	
			<i>For Obscure Glass, Add</i>	80.62	
08 53 13 00-0426	EA		48" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	508.27	94.36
			<i>For Colored Vinyl, Add</i>	32.09	
			<i>For Tinted Glass, Add</i>	38.51	
			<i>For Low-E Insulated Glass, Add</i>	80.23	
			<i>For Obscure Glass, Add</i>	88.25	
08 53 13 00-0427	EA		54" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	530.35	97.77
			<i>For Colored Vinyl, Add</i>	33.48	
			<i>For Tinted Glass, Add</i>	40.18	
			<i>For Low-E Insulated Glass, Add</i>	83.70	
			<i>For Obscure Glass, Add</i>	92.07	
08 53 13 00-0428	EA		60" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	552.41	101.88
			<i>For Colored Vinyl, Add</i>	34.87	
			<i>For Tinted Glass, Add</i>	41.84	
			<i>For Low-E Insulated Glass, Add</i>	87.16	
			<i>For Obscure Glass, Add</i>	95.88	
08 53 13 00-0429	EA		64" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	567.13	105.30
			<i>For Colored Vinyl, Add</i>	35.79	
			<i>For Tinted Glass, Add</i>	42.95	
			<i>For Low-E Insulated Glass, Add</i>	89.48	
			<i>For Obscure Glass, Add</i>	98.43	
08 53 13 00-0430	EA		72" x 48", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	596.61	110.09
			<i>For Colored Vinyl, Add</i>	37.64	
			<i>For Tinted Glass, Add</i>	45.17	
			<i>For Low-E Insulated Glass, Add</i>	94.11	
			<i>For Obscure Glass, Add</i>	103.52	
08 53 13 00-0431			<b>50" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0432	EA		36" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	472.71	87.52
			<i>For Colored Vinyl, Add</i>	29.90	
			<i>For Tinted Glass, Add</i>	35.88	
			<i>For Low-E Insulated Glass, Add</i>	74.76	
			<i>For Obscure Glass, Add</i>	82.24	
08 53 13 00-0433	EA		48" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	517.37	95.73
			<i>For Colored Vinyl, Add</i>	32.73	
			<i>For Tinted Glass, Add</i>	39.27	
			<i>For Low-E Insulated Glass, Add</i>	81.82	
			<i>For Obscure Glass, Add</i>	90.00	
08 53 13 00-0434	EA		54" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	539.70	99.15
			<i>For Colored Vinyl, Add</i>	34.14	
			<i>For Tinted Glass, Add</i>	40.97	
			<i>For Low-E Insulated Glass, Add</i>	85.35	
			<i>For Obscure Glass, Add</i>	93.89	
08 53 13 00-0435	EA		60" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	562.02	103.25
			<i>For Colored Vinyl, Add</i>	35.55	
			<i>For Tinted Glass, Add</i>	42.66	
			<i>For Low-E Insulated Glass, Add</i>	88.88	
			<i>For Obscure Glass, Add</i>	97.77	
08 53 13 00-0436	EA		64" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	576.94	106.67
			<i>For Colored Vinyl, Add</i>	36.50	
			<i>For Tinted Glass, Add</i>	43.80	
			<i>For Low-E Insulated Glass, Add</i>	91.24	
			<i>For Obscure Glass, Add</i>	100.37	
08 53 13 00-0437	EA		72" x 50", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	606.72	111.45
			<i>For Colored Vinyl, Add</i>	38.38	
			<i>For Tinted Glass, Add</i>	46.06	
			<i>For Low-E Insulated Glass, Add</i>	95.96	
			<i>For Obscure Glass, Add</i>	105.55	
08 53 13 00-0438			<b>52" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0439	EA		36" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	481.32	88.89
			<i>For Colored Vinyl, Add</i>	30.49	
			<i>For Tinted Glass, Add</i>	36.59	
			<i>For Low-E Insulated Glass, Add</i>	76.23	
			<i>For Obscure Glass, Add</i>	83.85	
08 53 13 00-0440	EA		48" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	526.50	97.09
			<i>For Colored Vinyl, Add</i>	33.37	
			<i>For Tinted Glass, Add</i>	40.04	
			<i>For Low-E Insulated Glass, Add</i>	83.42	
			<i>For Obscure Glass, Add</i>	91.76	
08 53 13 00-0441	EA		54" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800).....	549.08	100.51
			<i>For Colored Vinyl, Add</i>	34.81	
			<i>For Tinted Glass, Add</i>	41.77	
			<i>For Low-E Insulated Glass, Add</i>	87.01	
			<i>For Obscure Glass, Add</i>	95.71	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 53 13 00-0442	EA	60" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	571.68	104.61
		For Colored Vinyl, Add	36.25	
		For Tinted Glass, Add	43.50	
		For Low-E Insulated Glass, Add	90.62	
		For Obscure Glass, Add	99.68	
08 53 13 00-0443	EA	64" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	586.73	108.03
		For Colored Vinyl, Add	37.20	
		For Tinted Glass, Add	44.64	
		For Low-E Insulated Glass, Add	93.01	
		For Obscure Glass, Add	102.31	
08 53 13 00-0444	EA	72" x 52", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	616.87	112.82
		For Colored Vinyl, Add	39.12	
		For Tinted Glass, Add	46.95	
		For Low-E Insulated Glass, Add	97.81	
		For Obscure Glass, Add	107.59	
<b>08 53 13 00-0445</b>		<b>54" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0446	EA	36" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	489.93	90.25
		For Colored Vinyl, Add	31.08	
		For Tinted Glass, Add	37.29	
		For Low-E Insulated Glass, Add	77.70	
		For Obscure Glass, Add	85.47	
08 53 13 00-0447	EA	48" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	535.60	98.46
		For Colored Vinyl, Add	34.01	
		For Tinted Glass, Add	40.81	
		For Low-E Insulated Glass, Add	85.01	
		For Obscure Glass, Add	93.51	
08 53 13 00-0448	EA	54" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	558.46	101.88
		For Colored Vinyl, Add	35.47	
		For Tinted Glass, Add	42.56	
		For Low-E Insulated Glass, Add	88.68	
		For Obscure Glass, Add	97.54	
08 53 13 00-0449	EA	60" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	581.31	105.98
		For Colored Vinyl, Add	36.93	
		For Tinted Glass, Add	44.32	
		For Low-E Insulated Glass, Add	92.34	
		For Obscure Glass, Add	101.57	
08 53 13 00-0450	EA	64" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	596.53	109.40
		For Colored Vinyl, Add	37.91	
		For Tinted Glass, Add	45.49	
		For Low-E Insulated Glass, Add	94.78	
		For Obscure Glass, Add	104.25	
08 53 13 00-0451	EA	72" x 54", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	626.98	114.18
		For Colored Vinyl, Add	39.86	
		For Tinted Glass, Add	47.83	
		For Low-E Insulated Glass, Add	99.65	
		For Obscure Glass, Add	109.62	
<b>08 53 13 00-0452</b>		<b>60" Height, New Construction, Horizontal Sliding Vinyl Windows (Silver Line 2800)</b> <small>(08 53 13 00-0381)</small>		
08 53 13 00-0453	EA	36" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	531.24	94.36
		For Colored Vinyl, Add	34.39	
		For Tinted Glass, Add	41.27	
		For Low-E Insulated Glass, Add	85.97	
		For Obscure Glass, Add	94.57	
08 53 13 00-0454	EA	48" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	562.96	102.56
		For Colored Vinyl, Add	35.92	
		For Tinted Glass, Add	43.10	
		For Low-E Insulated Glass, Add	89.80	
		For Obscure Glass, Add	98.78	
08 53 13 00-0455	EA	54" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	586.59	105.98
		For Colored Vinyl, Add	37.46	
		For Tinted Glass, Add	44.95	
		For Low-E Insulated Glass, Add	93.66	
		For Obscure Glass, Add	103.02	
08 53 13 00-0456	EA	60" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	610.17	110.09
		For Colored Vinyl, Add	39.00	
		For Tinted Glass, Add	46.80	
		For Low-E Insulated Glass, Add	97.50	
		For Obscure Glass, Add	107.25	
08 53 13 00-0457	EA	64" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	625.92	113.51
		For Colored Vinyl, Add	40.03	
		For Tinted Glass, Add	48.03	
		For Low-E Insulated Glass, Add	100.07	
		For Obscure Glass, Add	110.08	
08 53 13 00-0458	EA	72" x 60", New Construction, Horizontal Sliding Vinyl Window (Silver Line 2800)	657.38	118.29
		For Colored Vinyl, Add	42.08	
		For Tinted Glass, Add	50.50	
		For Low-E Insulated Glass, Add	105.20	
		For Obscure Glass, Add	115.72	
<b>08 53 13 00-0459</b>		<b>Replacement, Horizontal Sliding Vinyl Windows (Silver Line 8700)</b> <small>(08 53 13 00-0380)</small>		
		Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).		

**08 Openings****08 50 Windows****08 53 Plastic Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 53 13 00-0460	EA	Up To 73" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	539.15	71.80
		<i>For Colored Vinyl, Add</i>	39.56	
		<i>For Tinted Glass, Add</i>	47.47	
		<i>For Low-E Insulated Glass, Add</i>	98.89	
		<i>For Obscure Glass, Add</i>	108.78	
08 53 13 00-0461	EA	>73" To 83" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	592.51	78.63
		<i>For Colored Vinyl, Add</i>	43.52	
		<i>For Tinted Glass, Add</i>	52.23	
		<i>For Low-E Insulated Glass, Add</i>	108.81	
		<i>For Obscure Glass, Add</i>	119.69	
08 53 13 00-0462	EA	>83" To 93" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	642.36	85.47
		<i>For Colored Vinyl, Add</i>	47.14	
		<i>For Tinted Glass, Add</i>	56.57	
		<i>For Low-E Insulated Glass, Add</i>	117.86	
		<i>For Obscure Glass, Add</i>	129.64	
08 53 13 00-0463	EA	>93" To 101" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	678.94	92.31
		<i>For Colored Vinyl, Add</i>	49.43	
		<i>For Tinted Glass, Add</i>	59.32	
		<i>For Low-E Insulated Glass, Add</i>	123.58	
		<i>For Obscure Glass, Add</i>	135.94	
08 53 13 00-0464	EA	>101" To 110" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	717.43	99.15
		<i>For Colored Vinyl, Add</i>	51.91	
		<i>For Tinted Glass, Add</i>	62.30	
		<i>For Low-E Insulated Glass, Add</i>	129.79	
		<i>For Obscure Glass, Add</i>	142.76	
08 53 13 00-0465	EA	>110" To 120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	778.31	105.98
		<i>For Colored Vinyl, Add</i>	56.63	
		<i>For Tinted Glass, Add</i>	67.96	
		<i>For Low-E Insulated Glass, Add</i>	141.59	
		<i>For Obscure Glass, Add</i>	155.74	
08 53 13 00-0466	UI	>120" UI, Replacement, Horizontal Sliding Vinyl Window (Silver Line 8700)	6.50	0.89
		<i>For Colored Vinyl, Add</i>	0.47	
		<i>For Tinted Glass, Add</i>	0.57	
		<i>For Low-E Insulated Glass, Add</i>	1.18	
		<i>For Obscure Glass, Add</i>	1.30	

**08 53 13 00-0467 Basement Vinyl Windows** (08 53 13)**08 53 13 00-0468 New Construction, Basement Vinyl Windows (Silver Line 5900)** (08 53 13 00-0467)

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles.

08 53 13 00-0469	EA	32" x 15", New Construction, Basement Vinyl Window (Silver Line 5900)	319.15	54.70
		<i>For Colored Vinyl, Add</i>	20.98	
		<i>For Tinted Glass, Add</i>	25.17	
		<i>For Low-E Insulated Glass, Add</i>	52.44	
		<i>For Obscure Glass, Add</i>	57.68	
08 53 13 00-0470	EA	32" x 20", New Construction, Basement Vinyl Window (Silver Line 5900)	343.63	54.70
		<i>For Colored Vinyl, Add</i>	23.42	
		<i>For Tinted Glass, Add</i>	28.11	
		<i>For Low-E Insulated Glass, Add</i>	58.56	
		<i>For Obscure Glass, Add</i>	64.41	
08 53 13 00-0471	EA	32" x 23", New Construction, Basement Vinyl Window (Silver Line 5900)	357.61	54.70
		<i>For Colored Vinyl, Add</i>	24.82	
		<i>For Tinted Glass, Add</i>	29.79	
		<i>For Low-E Insulated Glass, Add</i>	62.05	
		<i>For Obscure Glass, Add</i>	68.26	

**08 53 13 00-0472 Replacement, Basement Vinyl Windows** (08 53 13 00-0467)

Note: Includes white solid vinyl interior and exterior, standard hardware, clear insulated glass and insect screen. Excludes grilles. Pricing calculated by the United Inch (the combined inches of one width and one height).

08 53 13 00-0473	EA	Up To 47" UI, Replacement, Basement Vinyl Window	403.82	53.33
		<i>For Colored Vinyl, Add</i>	29.72	
		<i>For Tinted Glass, Add</i>	35.66	
		<i>For Low-E Insulated Glass, Add</i>	74.29	
		<i>For Obscure Glass, Add</i>	81.72	
08 53 13 00-0474	EA	>47" To 55" UI, Replacement, Basement Vinyl Window	449.95	61.54
		<i>For Colored Vinyl, Add</i>	32.69	
		<i>For Tinted Glass, Add</i>	39.22	
		<i>For Low-E Insulated Glass, Add</i>	81.72	
		<i>For Obscure Glass, Add</i>	89.89	
08 53 13 00-0475	UI	>55" UI, Replacement, Basement Vinyl Window	7.72	0.89
		<i>For Colored Vinyl, Add</i>	0.59	
		<i>For Tinted Glass, Add</i>	0.71	
		<i>For Low-E Insulated Glass, Add</i>	1.49	
		<i>For Obscure Glass, Add</i>	1.63	

**08 53 13 00-0476 Accessories For Vinyl Windows** (08 53 13)**08 53 13 00-0477 Factory Installed Grilles For Vinyl Windows** (08 53 13 00-0476)**08 53 13 00-0478 Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows** (08 53 13 00-0477)

08 53 13 00-0479	EA	Up To 9 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	48.94	
08 53 13 00-0480	EA	>9 To 18 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	62.93	
08 53 13 00-0481	EA	>18 To 24 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	81.04	
08 53 13 00-0482	EA	>24 To 36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	95.66	
08 53 13 00-0483	EA	>36 SF Windows, Fixed Grille Installed Between Glass Panes, Factory Installed Grilles For Vinyl Windows	117.59	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 53 13 00-0484 Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows** (08 53 13 00-0477)

08 53 13 00-0485	EA		Up To 9 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	111.23	
08 53 13 00-0486	EA		>9 To 18 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	133.48	
08 53 13 00-0487	EA		>18 To 24 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	168.44	
08 53 13 00-0488	EA		>24 To 36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	209.75	
08 53 13 00-0489	EA		>36 SF Windows, Fixed Exterior And Interior Grilles With Spacers, Factory Installed Grilles For Vinyl Windows.....	251.07	

**08 53 66 Vinyl Window Screens** (08 53)

**08 53 66 00-0001 Insect Screens For Vinyl Windows** (08 53 66)

08 53 66 00-0002	EA		Up To 6 SF, Insect Screen For Vinyl Windows.....	56.43	12.33
08 53 66 00-0003	EA		>6 To 9 SF, Insect Screen For Vinyl Windows.....	75.50	12.33
08 53 66 00-0004	EA		>9 To 12 SF, Insect Screen For Vinyl Windows.....	81.86	12.33
08 53 66 00-0005	EA		>12 To 15 SF, Insect Screen For Vinyl Windows.....	94.57	12.33
08 53 66 00-0006	EA		>15 To 20 SF, Insect Screen For Vinyl Windows.....	123.17	12.33
08 53 66 00-0007	EA		>20 To 25 SF, Insect Screen For Vinyl Windows.....	135.88	12.33
08 53 66 00-0008	EA		>25 To 30 SF, Insect Screen For Vinyl Windows.....	154.95	12.33
08 53 66 00-0009	EA		>30 To 35 SF, Insect Screen For Vinyl Windows.....	167.66	12.33
08 53 66 00-0010	SF		>35 SF, Insect Screen For Vinyl Windows.....	5.06	0.25

**08 56 Special Function Windows** (08 50)

**08 56 19 Pass Windows** (08 56)

**08 56 19 00-0001 Bullet Resistant Pass Through Service Window, Steel Frame** (08 56 19)

Note: Secure air passage for voice transmission; Natural Voice Transmission (NVR)

08 56 19 00-0002	EA		24" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	5,698.26	1,100.07
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	45.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	295.00	
08 56 19 00-0003	EA		30" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	6,225.96	1,191.75
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	60.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	370.00	
08 56 19 00-0004	EA		36" x 36", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	6,569.41	1,283.42
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	70.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	445.00	
08 56 19 00-0005	EA		48" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	8,165.43	1,466.77
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	100.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	650.00	
08 56 19 00-0006	EA		72" x 40", Bullet Resistant Pass Through Service Window, 1.25" Acrylic Glazing Level I, Steel Frame.....	11,183.64	2,200.15
			For 1.375" Acrylic Level II Bullet Resistant Glazing, Add	150.00	
			For 1.25" Multi-Ply Polycarbonate Level III Bullet Resistant Glazing, Add	975.00	

**08 56 49 Radiation Shielding Windows** (08 56)

**08 56 49 00-0001 Lead Lined Window Frames** (08 56 49)

08 56 49 00-0002	LF		1/16" Lead Lined, 16 Gauge Telescoping Window Frame.....	54.99	10.26
08 56 49 00-0003	LF		1/8" Lead Lined, 16 Gauge Telescoping Window Frame.....	61.86	10.26

**08 56 56 Security Window Screens** (08 56)

Note: Includes frame and mounting hardware. Operable security screens include hinges and related hardware.

**08 56 56 00-0001 Wire Mesh Security Screen** (08 56 56)

**08 56 56 00-0002 Wire Mesh, Inoperable, Security Window Screen** (08 56 56 00-0001)

08 56 56 00-0003	SF		13 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	28.05	8.25
			For Painted Steel, Add	1.71	
			For Galvanized Steel, Add	3.41	
			For Aluminum, Add	6.82	
			For Stainless Steel, Add	29.84	
08 56 56 00-0004	SF		11 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	28.54	8.25
			For Painted Steel, Add	1.75	
			For Galvanized Steel, Add	3.51	
			For Aluminum, Add	7.02	
			For Stainless Steel, Add	30.70	
08 56 56 00-0005	SF		9 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	30.79	8.25
			For Painted Steel, Add	1.98	
			For Galvanized Steel, Add	3.96	
			For Aluminum, Add	7.92	
			For Stainless Steel, Add	34.63	
08 56 56 00-0006	SF		6 Gauge, Wire Mesh, Inoperable, Steel Security Window Screen.....	35.60	8.25
			For Painted Steel, Add	2.46	
			For Galvanized Steel, Add	4.92	
			For Aluminum, Add	9.84	
			For Stainless Steel, Add	43.05	

**08 56 56 00-0007 Wire Mesh, Operable, Security Window Screen** (08 56 56 00-0001)

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 56 56 00-0008	SF 13 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	38.96	10.09
	<i>For Painted Steel, Add</i>	2.43	
	<i>For Galvanized Steel, Add</i>	4.86	
	<i>For Aluminum, Add</i>	9.72	
	<i>For Stainless Steel, Add</i>	42.51	
08 56 56 00-0009	SF 11 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	39.70	10.09
	<i>For Painted Steel, Add</i>	2.50	
	<i>For Galvanized Steel, Add</i>	5.01	
	<i>For Aluminum, Add</i>	10.01	
	<i>For Stainless Steel, Add</i>	43.80	
08 56 56 00-0010	SF 9 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	42.93	10.09
	<i>For Painted Steel, Add</i>	2.83	
	<i>For Galvanized Steel, Add</i>	5.65	
	<i>For Aluminum, Add</i>	11.30	
	<i>For Stainless Steel, Add</i>	49.46	
08 56 56 00-0011	SF 6 Gauge, Wire Mesh, Operable, Steel Security Window Screen .....	49.68	10.09
	<i>For Painted Steel, Add</i>	3.50	
	<i>For Galvanized Steel, Add</i>	7.00	
	<i>For Aluminum, Add</i>	14.00	
	<i>For Stainless Steel, Add</i>	61.27	
08 56 56 00-0012	Wire Cloth Security Screen <small>(08 56 56)</small>		
	Note: Wire cloth has from 10 to 12 strands per 1".		
08 56 56 00-0013	Wire Cloth, Inoperable, Security Window Screens <small>(08 56 56 00-0012)</small>		
08 56 56 00-0014	SF 24 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	19.34	5.50
	<i>For Painted Steel, Add</i>	0.51	
	<i>For Galvanized Steel, Add</i>	1.53	
	<i>For Aluminum, Add</i>	3.05	
	<i>For Stainless Steel, Add</i>	12.71	
08 56 56 00-0015	SF 22 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	20.02	5.50
	<i>For Painted Steel, Add</i>	0.54	
	<i>For Galvanized Steel, Add</i>	1.63	
	<i>For Aluminum, Add</i>	3.26	
	<i>For Stainless Steel, Add</i>	13.56	
08 56 56 00-0016	SF 20 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	21.10	5.50
	<i>For Painted Steel, Add</i>	0.60	
	<i>For Galvanized Steel, Add</i>	1.79	
	<i>For Aluminum, Add</i>	3.58	
	<i>For Stainless Steel, Add</i>	14.91	
08 56 56 00-0017	SF 18 Gauge, Wire Cloth, Inoperable, Steel Security Window Screen .....	23.15	5.50
	<i>For Painted Steel, Add</i>	0.70	
	<i>For Galvanized Steel, Add</i>	2.10	
	<i>For Aluminum, Add</i>	4.19	
	<i>For Stainless Steel, Add</i>	17.48	
08 56 56 00-0018	Wire Cloth, Operable, Security Window Screens <small>(08 56 56 00-0012)</small>		
08 56 56 00-0019	SF 24 Gauge, Wire Cloth, Operable, Steel Security Window Screen .....	25.49	7.34
	<i>For Painted Steel, Add</i>	0.72	
	<i>For Galvanized Steel, Add</i>	2.17	
	<i>For Aluminum, Add</i>	4.35	
	<i>For Stainless Steel, Add</i>	18.11	
08 56 56 00-0020	SF 22 Gauge, Wire Cloth, Operable, Steel Security Window Screen .....	26.55	7.34
	<i>For Painted Steel, Add</i>	0.78	
	<i>For Galvanized Steel, Add</i>	2.33	
	<i>For Aluminum, Add</i>	4.67	
	<i>For Stainless Steel, Add</i>	19.44	
08 56 56 00-0021	SF 20 Gauge, Wire Cloth, Operable, Steel Security Window Screen .....	28.01	7.34
	<i>For Painted Steel, Add</i>	0.85	
	<i>For Galvanized Steel, Add</i>	2.55	
	<i>For Aluminum, Add</i>	5.10	
	<i>For Stainless Steel, Add</i>	21.26	
08 56 56 00-0022	SF 18 Gauge, Wire Cloth, Operable, Steel Security Window Screen .....	30.95	7.34
	<i>For Painted Steel, Add</i>	1.00	
	<i>For Galvanized Steel, Add</i>	2.99	
	<i>For Aluminum, Add</i>	5.99	
	<i>For Stainless Steel, Add</i>	24.94	
08 56 56 00-0023	Expanded Metal Security Screen <small>(08 56 56)</small>		
	Note: Flattened or standard pattern. Dimension given is the short distance across the opening (SWO). The # designation is the pattern number of the expanded metal and is not the gauge.		
08 56 56 00-0024	Expanded Metal, Inoperable, Security Screen <small>(08 56 56 00-0023)</small>		
08 56 56 00-0025	SF 1/4" #18, Thickness 0.04" Expanded Metal, Inoperable, Steel Security Window Screen .....	36.35	13.75
	<i>For Painted Steel, Add</i>	0.99	
	<i>For Galvanized Steel, Add</i>	2.98	
	<i>For Aluminum, Add</i>	5.96	
	<i>For Stainless Steel, Add</i>	24.81	
08 56 56 00-0026	SF 1/2" #13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen .....	42.85	16.50
	<i>For Painted Steel, Add</i>	1.13	
	<i>For Galvanized Steel, Add</i>	3.40	
	<i>For Aluminum, Add</i>	6.80	
	<i>For Stainless Steel, Add</i>	28.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 56 56 00-0027	SF	3/4"	#13, Thickness 0.07" Expanded Metal, Inoperable, Steel Security Window Screen	48.58	20.17
			<i>For Painted Steel, Add</i>	1.24	
			<i>For Galvanized Steel, Add</i>	3.71	
			<i>For Aluminum, Add</i>	7.42	
			<i>For Stainless Steel, Add</i>	30.93	
08 56 56 00-0028	SF	3/4"	#9, Thickness 0.12" Expanded Metal, Inoperable, Steel Security Window Screen	57.59	23.84
			<i>For Painted Steel, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.24	
			<i>For Aluminum, Add</i>	8.48	
			<i>For Stainless Steel, Add</i>	35.33	
08 56 56 00-0029	SF	1-1/2"	#9, Thickness 0.11" Expanded Metal, Inoperable, Steel Security Window Screen	53.70	22.92
			<i>For Painted Steel, Add</i>	1.31	
			<i>For Galvanized Steel, Add</i>	3.93	
			<i>For Aluminum, Add</i>	7.86	
			<i>For Stainless Steel, Add</i>	32.75	
08 56 56 00-0030	SF	3 LB/SF	Expanded Metal, Inoperable, Steel Security Window Screen	67.79	29.33
			<i>For Painted Steel, Add</i>	1.65	
			<i>For Galvanized Steel, Add</i>	4.94	
			<i>For Aluminum, Add</i>	9.89	
			<i>For Stainless Steel, Add</i>	41.19	
<b>08 56 56 00-0031</b>			<b>Expanded Metal, Operable, Security Screen</b> (08 56 56 00-0023)		
08 56 56 00-0032	SF	1/4"	#18, Thickness 0.04" Expanded Metal, Operable, Steel Security Window Screen	44.08	16.50
			<i>For Painted Steel, Add</i>	1.20	
			<i>For Galvanized Steel, Add</i>	3.59	
			<i>For Aluminum, Add</i>	7.17	
			<i>For Stainless Steel, Add</i>	29.89	
08 56 56 00-0033	SF	1/2"	#13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	56.21	20.17
			<i>For Painted Steel, Add</i>	1.62	
			<i>For Galvanized Steel, Add</i>	4.86	
			<i>For Aluminum, Add</i>	9.71	
			<i>For Stainless Steel, Add</i>	40.46	
08 56 56 00-0034	SF	3/4"	#13, Thickness 0.07" Expanded Metal, Operable, Steel Security Window Screen	62.80	22.92
			<i>For Painted Steel, Add</i>	1.77	
			<i>For Galvanized Steel, Add</i>	5.30	
			<i>For Aluminum, Add</i>	10.59	
			<i>For Stainless Steel, Add</i>	44.13	
08 56 56 00-0035	SF	1-1/2"	#9, Thickness 0.11" Expanded Metal, Operable, Steel Security Window Screen	68.51	25.67
			<i>For Painted Steel, Add</i>	1.87	
			<i>For Galvanized Steel, Add</i>	5.60	
			<i>For Aluminum, Add</i>	11.21	
			<i>For Stainless Steel, Add</i>	46.69	
08 56 56 00-0036	SF	3/4"	#9, Thickness 0.12" Expanded Metal, Operable, Steel Security Window Screen	75.11	29.33
			<i>For Painted Steel, Add</i>	2.01	
			<i>For Galvanized Steel, Add</i>	6.04	
			<i>For Aluminum, Add</i>	12.08	
			<i>For Stainless Steel, Add</i>	50.34	
08 56 56 00-0037	SF	3 LB/SF	Expanded Metal, Operable, Steel Security Window Screen	85.43	32.08
			<i>For Painted Steel, Add</i>	2.35	
			<i>For Galvanized Steel, Add</i>	7.04	
			<i>For Aluminum, Add</i>	14.08	
			<i>For Stainless Steel, Add</i>	58.66	
<b>08 56 56 00-0038</b>			<b>Perforated Metal Security Screen</b> (08 56 56)		
<b>08 56 56 00-0039</b>			<b>Perforated Metal, Inoperable, Steel Security Window Screen</b> (08 56 56 00-0038)		
08 56 56 00-0040	SF	22 Gauge	Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	30.75	8.25
			<i>For Painted Steel, Add</i>	0.99	
			<i>For Galvanized Steel, Add</i>	2.96	
			<i>For Aluminum, Add</i>	5.93	
			<i>For Stainless Steel, Add</i>	19.75	
08 56 56 00-0041	SF	20 Gauge	Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	31.53	8.25
			<i>For Painted Steel, Add</i>	1.03	
			<i>For Galvanized Steel, Add</i>	3.08	
			<i>For Aluminum, Add</i>	6.16	
			<i>For Stainless Steel, Add</i>	20.53	
08 56 56 00-0042	SF	18 Gauge	Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	34.17	8.25
			<i>For Painted Steel, Add</i>	1.16	
			<i>For Galvanized Steel, Add</i>	3.48	
			<i>For Aluminum, Add</i>	6.95	
			<i>For Stainless Steel, Add</i>	23.17	
08 56 56 00-0043	SF	16 Gauge	Perforated Metal, 63% Openings, Inoperable, Steel Security Window Screen	39.16	8.25
			<i>For Painted Steel, Add</i>	1.41	
			<i>For Galvanized Steel, Add</i>	4.22	
			<i>For Aluminum, Add</i>	8.45	
			<i>For Stainless Steel, Add</i>	28.16	
<b>08 56 56 00-0044</b>			<b>Perforated Metal, Operable, Steel Security Window Screen</b> (08 56 56 00-0038)		
08 56 56 00-0045	SF	22 Gauge	Perforated Metal, 63% Openings, Operable, Steel Security Window Screen	42.73	10.09
			<i>For Painted Steel, Add</i>	1.40	
			<i>For Galvanized Steel, Add</i>	4.21	
			<i>For Aluminum, Add</i>	8.42	
			<i>For Stainless Steel, Add</i>	28.06	

**08 Openings****08 50 Windows****08 56 Special Function Windows**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 56 56 00-0046	SF	20 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen .....	44.10	10.09
		<i>For Painted Steel, Add</i>	1.47	
		<i>For Galvanized Steel, Add</i>	4.41	
		<i>For Aluminum, Add</i>	8.83	
		<i>For Stainless Steel, Add</i>	29.43	
08 56 56 00-0047	SF	18 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen .....	47.52	10.09
		<i>For Painted Steel, Add</i>	1.64	
		<i>For Galvanized Steel, Add</i>	4.93	
		<i>For Aluminum, Add</i>	9.86	
		<i>For Stainless Steel, Add</i>	32.85	
08 56 56 00-0048	SF	16 Gauge Perforated Metal, 63% Openings, Operable, Steel Security Window Screen .....	54.66	10.09
		<i>For Painted Steel, Add</i>	2.00	
		<i>For Galvanized Steel, Add</i>	6.00	
		<i>For Aluminum, Add</i>	12.00	
		<i>For Stainless Steel, Add</i>	39.99	
08 56 56 00-0049		<b>Removal And Reinstallation Of Security Screens And Guards</b> (08 56 56)		
08 56 56 00-0050	SF	Removal And Reinstallation Of Security Screens .....	23.01	
08 56 56 00-0051	SF	Remove And Reinstall Exterior Security Window Guards.....	13.57	
		See CSI section 01 22 23 00-0001 for lifting equipment, 05 05 19 00-0001 for anchors.		

**08 60 Roof Windows and Skylights** (08)

Note: Includes hardware, caulk, sealant and necessary anchors.

**08 62 Unit Skylights** (08 60)**08 62 23 Tubular Skylights** (08 62)**08 62 23 00-0001 Aluminum Framed Solar Tube Skylights** (08 62 23)

Note: Includes knock down curb with safety security guard, class 1 hail rated double glazed skylight, light shaft top trim, reflective light well, T-bar ceiling frame, acrylic diffuser lens and lens clip.

**08 62 23 00-0002 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights** (08 62 23 00-0001)

08 62 23 00-0003	EA	2' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,358.19	206.44
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	1,050.21	
08 62 23 00-0004	EA	3' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,434.32	211.60
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	1,051.24	
08 62 23 00-0005	EA	4' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,508.25	216.76
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	1,052.27	
08 62 23 00-0006	EA	5' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,612.87	221.92
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	1,053.30	
08 62 23 00-0007	EA	6' Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,704.34	227.09
		<i>For Class 3 Hail Rated, Add</i>	4.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
		<i>For FM Approved, Add</i>	20.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
		<i>For Single Blade Louver, Add</i>	1,054.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0008	EA	7'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,778.28	232.24
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,055.37	
08 62 23 00-0009	EA	8'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,852.20	237.41
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,056.40	
08 62 23 00-0010	EA	9'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,974.38	242.57
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,057.43	
08 62 23 00-0011	EA	10'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,048.32	247.72
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,058.47	
08 62 23 00-0012	EA	11'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,124.44	252.89
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,059.50	
08 62 23 00-0013	EA	12'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,198.36	258.05
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,060.53	
08 62 23 00-0014	EA	13'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,320.55	263.21
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,061.56	
08 62 23 00-0015	EA	14'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,394.47	268.37
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,062.59	
08 62 23 00-0016	EA	15'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,468.39	273.54
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,063.63	
08 62 23 00-0017	EA	16'	Shaft Length, 31-5/8" x 31-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,542.32	278.69
			<i>For Class 3 Hail Rated, Add</i>	4.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	7.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	20.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	49.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	69.00	
			<i>For Single Blade Louver, Add</i>	1,064.66	



**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 62 23 00-0018	31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights		
08 62 23 00-0019	EA 2' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,654.29	206.44
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,050.21	
08 62 23 00-0020	EA 3' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,758.93	211.60
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,051.24	
08 62 23 00-0021	EA 4' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,863.56	216.76
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,052.27	
08 62 23 00-0022	EA 5' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	1,968.18	221.92
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,053.30	
08 62 23 00-0023	EA 6' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,138.61	227.09
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,054.34	
08 62 23 00-0024	EA 7' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,243.26	232.24
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,055.37	
08 62 23 00-0025	EA 8' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,347.89	237.41
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,056.40	
08 62 23 00-0026	EA 9' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,518.32	242.57
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,057.43	
08 62 23 00-0027	EA 10' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,622.96	247.72
	<i>For Class 3 Hail Rated, Add</i>	5.00	
	<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
	<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
	<i>For FM Approved, Add</i>	22.00	
	<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
	<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
	<i>For Single Blade Louver, Add</i>	1,058.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 62 23 00-0028	EA		11' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,727.59	252.89
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,059.50	
08 62 23 00-0029	EA		12' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,832.22	258.05
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,060.53	
08 62 23 00-0030	EA		13' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,002.67	263.21
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,061.56	
08 62 23 00-0031	EA		14' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,107.29	268.37
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,062.59	
08 62 23 00-0032	EA		15' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,211.92	273.54
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,063.63	
08 62 23 00-0033	EA		16' Shaft Length, 31-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,316.55	278.69
			<i>For Class 3 Hail Rated, Add</i>	5.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	8.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	14.00	
			<i>For FM Approved, Add</i>	22.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	50.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	86.00	
			<i>For Single Blade Louver, Add</i>	1,064.66	
<b>08 62 23 00-0034</b>			<b>55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylights</b> <small>(08 62 23 00-0001)</small>		
08 62 23 00-0035	EA		2' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,216.94	232.24
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,055.37	
08 62 23 00-0036	EA		3' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,363.24	237.41
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,056.40	
08 62 23 00-0037	EA		4' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,511.74	242.57
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,057.43	

**08 Openings****08 60 Roof Windows and Skylights****08 62 Unit Skylights**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 62 23 00-0038	EA	5' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,658.05	247.72
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,058.47	
08 62 23 00-0039	EA	6' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	2,892.09	252.89
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,059.50	
08 62 23 00-0040	EA	7' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,038.40	258.05
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,060.53	
08 62 23 00-0041	EA	8' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,184.71	263.21
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,061.56	
08 62 23 00-0042	EA	9' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,420.93	268.37
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,062.59	
08 62 23 00-0043	EA	10' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,567.23	273.54
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,063.63	
08 62 23 00-0044	EA	11' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,713.54	278.69
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,064.66	
08 62 23 00-0045	EA	12' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	3,859.85	283.86
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,065.69	
08 62 23 00-0046	EA	13' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,093.89	289.02
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,066.72	
08 62 23 00-0047	EA	14' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,240.19	294.17
		<i>For Class 3 Hail Rated, Add</i>	10.00	
		<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
		<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
		<i>For FM Approved, Add</i>	36.00	
		<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
		<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
		<i>For Single Blade Louver, Add</i>	1,067.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 62 23 00-0048	EA		15' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,388.70	299.34
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,068.79	
08 62 23 00-0049	EA		16' Shaft Length, 55-5/8" x 55-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Solar Tube Skylight.....	4,535.01	304.50
			<i>For Class 3 Hail Rated, Add</i>	10.00	
			<i>For Polycarbonate Diffuser Lens, Add</i>	14.00	
			<i>For High Velocity Hurricane Zone Rated, Add</i>	22.00	
			<i>For FM Approved, Add</i>	36.00	
			<i>For 18 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	95.00	
			<i>For 14 Gauge, Insulated Galvanized Steel Roof Curb, Add</i>	145.00	
			<i>For Single Blade Louver, Add</i>	1,069.82	

**08 63 Metal-Framed Skylights (08 60)**

**08 63 13 Domed Metal-Framed Skylights (08 63)**

08 63 13 00-0001 Domed Aluminum Framed Skylights (08 63 13)

08 63 13 00-0002 Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0001)

08 63 13 00-0003 Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0002)

08 63 13 00-0004 Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0005	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	872.37	139.35
08 63 13 00-0006	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,044.40	149.67
08 63 13 00-0007	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,395.76	165.15
08 63 13 00-0008	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,564.06	175.47
08 63 13 00-0009	EA		39-1/4" x 39-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,101.32	149.67
08 63 13 00-0010	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,357.52	165.15
08 63 13 00-0011	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,470.66	175.47
08 63 13 00-0012	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,662.27	185.79
08 63 13 00-0013	EA		39-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,920.23	201.27
08 63 13 00-0014	EA		51-1/4" x 51-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,382.78	175.47
08 63 13 00-0015	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,493.08	180.64
08 63 13 00-0016	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,670.62	185.79
08 63 13 00-0017	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,803.34	190.96
08 63 13 00-0018	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,986.59	206.44
08 63 13 00-0019	EA		52-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,215.54	216.76
08 63 13 00-0020	EA		63-1/4" x 63-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,625.79	185.79
08 63 13 00-0021	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,765.10	196.12
08 63 13 00-0022	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,980.00	201.27
08 63 13 00-0023	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,097.77	211.60
08 63 13 00-0024	EA		63-1/4" x 123-1/4" Inside Frame Dimensions, Class 1 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,401.45	221.92

08 63 13 00-0025 Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0026	EA		27-1/4" x 27-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,059.16	139.35
08 63 13 00-0027	EA		27-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,227.45	149.67
08 63 13 00-0028	EA		27-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,541.46	165.15
08 63 13 00-0029	EA		27-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,713.49	175.47

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 63 13 00-0030	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,235.81	149.67
08 63 13 00-0031	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,462.12	165.15
08 63 13 00-0032	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,582.74	175.47
08 63 13 00-0033	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,789.28	185.79
08 63 13 00-0034	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,994.94	201.27
08 63 13 00-0035	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,487.38	175.47
08 63 13 00-0036	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,612.62	180.64
08 63 13 00-0037	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,734.13	185.79
08 63 13 00-0038	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,874.32	190.96
08 63 13 00-0039	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	2,023.94	206.44
08 63 13 00-0040	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	2,256.63	216.76
08 63 13 00-0041	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,749.07	185.79
08 63 13 00-0042	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,899.58	196.12
08 63 13 00-0043	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	2,058.45	201.27
08 63 13 00-0044	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	2,183.69	211.60
08 63 13 00-0045	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Class 3 Hail Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	2,457.48	221.92

**08 63 13 00-0046 High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights** (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0047	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,074.10	139.35
08 63 13 00-0048	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,257.34	149.67
08 63 13 00-0049	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,582.55	165.15
08 63 13 00-0050	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,273.17	149.67
08 63 13 00-0051	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,514.42	165.15
08 63 13 00-0052	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,623.83	175.47
08 63 13 00-0053	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,834.11	185.79
08 63 13 00-0054	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,521.00	175.47
08 63 13 00-0055	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,642.51	180.64
08 63 13 00-0056	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,782.69	185.79
08 63 13 00-0057	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,922.88	190.96
08 63 13 00-0058	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	2,083.71	206.44
08 63 13 00-0059	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,793.90	185.79
08 63 13 00-0060	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,959.35	196.12
08 63 13 00-0061	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	2,118.22	201.27
08 63 13 00-0062	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, High Velocity Hurricane Zone Rated, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	2,243.46	211.60

**08 63 13 00-0063 FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylights** (08 63 13 00-0003)

Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.

08 63 13 00-0064	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,100.25	139.35
08 63 13 00-0065	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,298.43	149.67
08 63 13 00-0066	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,619.91	165.15
08 63 13 00-0067	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,847.97	175.47
08 63 13 00-0068	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight .....	1,310.52	149.67



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0069 EA 39-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,548.04	165.15
08 63 13 00-0070 EA 39-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,661.19	175.47
08 63 13 00-0071 EA 39-1/4" x 99-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,890.15	185.79
08 63 13 00-0072 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,562.10	175.47
08 63 13 00-0073 EA 51-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,683.60	180.64
08 63 13 00-0074 EA 51-1/4" x 75-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,834.99	185.79
08 63 13 00-0075 EA 51-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,978.92	190.96
08 63 13 00-0076 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,143.49	206.44
08 63 13 00-0077 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	1,849.93	185.79
08 63 13 00-0078 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,015.39	196.12
08 63 13 00-0079 EA 63-1/4" x 87-1/4" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,177.99	201.27
08 63 13 00-0080 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, FM Approved, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Fixed Dome, Aluminum Framed Skylight.....	2,310.70	211.60
<b>08 63 13 00-0081</b> <b>Curb Top Inserts</b> <small>(08 63 13 00-0003)</small> Note: For use with industrial style fixed dome skylights for better u-value and solar heat gain coefficient/shading coefficient (SHGC/SC) properties. Includes mill finish aluminum frame and acrylic or polycarbonate glazing. Excludes roof curb and flashing.		
<b>08 63 13 00-0082</b> <b>Single Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0083 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	285.40	67.09
08 63 13 00-0084 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	374.80	77.42
08 63 13 00-0085 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	599.18	103.22
08 63 13 00-0086 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	553.64	92.90
08 63 13 00-0087 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Single Glazed, Aluminum Framed Curb Top Insert .....	660.59	103.22
<b>08 63 13 00-0088</b> <b>Double Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0089 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	375.32	67.09
08 63 13 00-0090 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	548.08	77.42
08 63 13 00-0091 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	912.82	103.22
08 63 13 00-0092 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	887.02	92.90
08 63 13 00-0093 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Double Glazed, Aluminum Framed Curb Top Insert.....	1,094.86	103.22
<b>08 63 13 00-0094</b> <b>Triple Glazed, Aluminum Framed Curb Top Inserts</b> <small>(08 63 13 00-0081)</small>		
08 63 13 00-0095 EA 27-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	463.06	67.09
08 63 13 00-0096 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	712.57	77.42
08 63 13 00-0097 EA 52-1/4" x 100-1/4" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	1,298.84	103.22
08 63 13 00-0098 EA 63-5/8" x 75-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	1,198.47	92.90
08 63 13 00-0099 EA 63-1/4" x 99-5/8" Inside Frame Dimensions, Triple Glazed, Aluminum Framed Curb Top Insert .....	1,498.43	103.22
<b>08 63 13 00-0100</b> <b>Pyramid Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		
<b>08 63 13 00-0101</b> <b>Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0102 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	805.13	139.35
08 63 13 00-0103 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	996.72	149.67
08 63 13 00-0104 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	1,278.18	175.47
08 63 13 00-0105 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	1,584.70	185.79
<b>08 63 13 00-0106</b> <b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0100)</small> Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.		
08 63 13 00-0107 EA 27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	1,096.51	139.35
08 63 13 00-0108 EA 39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	1,295.58	149.67
08 63 13 00-0109 EA 51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	1,550.89	175.47
08 63 13 00-0110 EA 63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Pyramid Style Fixed Dome, Aluminum Framed Skylight .....	1,834.99	185.79
<b>08 63 13 00-0111</b> <b>Double Hip Style Fixed Dome, Aluminum Framed Skylights</b> <small>(08 63 13 00-0002)</small>		

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

08 63 13 00-0112		<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>	
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.			
08 63 13 00-0113	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	943.35 139.35
08 63 13 00-0114	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,283.69 165.15
08 63 13 00-0115	EA	27-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,504.29 175.47
08 63 13 00-0116	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,215.56 165.15
08 63 13 00-0117	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,324.97 175.47
08 63 13 00-0118	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,580.08 185.79
08 63 13 00-0119	EA	39-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,841.78 201.27
08 63 13 00-0120	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,392.22 180.64
08 63 13 00-0121	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,524.93 185.79
08 63 13 00-0122	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,668.85 190.96
08 63 13 00-0123	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,822.22 206.44
08 63 13 00-0124	EA	52-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,133.35 216.76
08 63 13 00-0125	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,724.00 196.12
08 63 13 00-0126	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,923.97 201.27
08 63 13 00-0127	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,060.41 211.60
08 63 13 00-0128	EA	63-1/4" x 123-1/4" Inside Frame Dimensions, Acrylic/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,360.35 221.92
08 63 13 00-0129		<b>Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>	
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.			
08 63 13 00-0130	EA	27-1/4" x 27-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,070.36 139.35
08 63 13 00-0131	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,246.13 149.67
08 63 13 00-0132	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,560.13 165.15
08 63 13 00-0133	EA	39-1/4" x 39-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,261.96 149.67
08 63 13 00-0134	EA	39-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,390.06 159.99
08 63 13 00-0135	EA	39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,492.00 165.15
08 63 13 00-0136	EA	39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,601.41 175.47
08 63 13 00-0137	EA	39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,815.43 185.79
08 63 13 00-0138	EA	51-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,506.06 180.64
08 63 13 00-0139	EA	51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,627.56 180.64
08 63 13 00-0140	EA	51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,760.28 185.79
08 63 13 00-0141	EA	51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,896.73 190.96
08 63 13 00-0142	EA	52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,053.83 206.44
08 63 13 00-0143	EA	63-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,767.75 185.79
08 63 13 00-0144	EA	63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,933.20 196.12
08 63 13 00-0145	EA	63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,088.34 201.27
08 63 13 00-0146	EA	63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Acrylic Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,209.84 211.60
08 63 13 00-0147		<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight</b> <small>(08 63 13 00-0111)</small>	
Note: Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, weather sweep, curb seal tape and fasteners. Excludes roof curb and flashing.			
08 63 13 00-0148	EA	27-1/4" x 51-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,234.92 149.67
08 63 13 00-0149	EA	27-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,608.70 165.15

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 63 13 00-0150	EA		39-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,533.10	165.15
08 63 13 00-0151	EA		39-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,649.98	175.47
08 63 13 00-0152	EA		39-1/4" x 99-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,875.21	185.79
08 63 13 00-0153	EA		51-1/4" x 63-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,672.39	180.64
08 63 13 00-0154	EA		51-1/4" x 75-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,816.31	185.79
08 63 13 00-0155	EA		51-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	1,963.97	190.96
08 63 13 00-0156	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,113.60	206.44
08 63 13 00-0157	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,000.44	196.12
08 63 13 00-0158	EA		63-1/4" x 87-1/4" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,163.05	201.27
08 63 13 00-0159	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Double Hip Style Fixed Dome, Aluminum Framed Skylight.....	2,292.03	211.60
08 63 13 00-0160			<b>Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0001)		
08 63 13 00-0161			<b>Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0160) Note: UL listed or FM approved. Includes mill finish aluminum frame, integral condensation and weepage gutters, insulated thermal break, curb seal tape, weather sweep, fasteners, fusible link with a minimum temperature rating of 165 degrees, gas shocks and exterior manual release cable for testing. Excludes roof curb and flashing.		
08 63 13 00-0162			<b>Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0161)		
08 63 13 00-0163			<b>10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
08 63 13 00-0164	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,982.62	206.44
08 63 13 00-0165	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,622.03	196.12
08 63 13 00-0166	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,232.91	206.44
08 63 13 00-0167			<b>25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
08 63 13 00-0168	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,473.16	206.44
08 63 13 00-0169	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,127.52	196.12
08 63 13 00-0170	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,813.11	206.44
08 63 13 00-0171			<b>30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0162)		
08 63 13 00-0172	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,902.77	206.44
08 63 13 00-0173	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,549.65	196.12
08 63 13 00-0174	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Acrylic/Acrylic Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	7,235.24	206.44
08 63 13 00-0175			<b>Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0161)		
08 63 13 00-0176			<b>10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0175)		
08 63 13 00-0177	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,005.03	206.44
08 63 13 00-0178	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	4,644.44	196.12
08 63 13 00-0179	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 10 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	5,266.53	206.44
08 63 13 00-0180			<b>25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights</b> (08 63 13 00-0175)		
08 63 13 00-0181	EA		52-1/4" x 100-1/4" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,503.05	206.44
08 63 13 00-0182	EA		63-5/8" x 75-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,149.93	196.12
08 63 13 00-0183	EA		63-1/4" x 99-5/8" Inside Frame Dimensions, 25 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight.....	6,850.47	206.44

**08 Openings****08 60 Roof Windows and Skylights****08 63 Metal-Framed Skylights**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 63 13 00-0184	30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylights (08 63 13 00-0175)		
08 63 13 00-0185	EA 52-1/4" x 100-1/4" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,925.18	206.44
08 63 13 00-0186	EA 63-5/8" x 75-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	6,572.06	196.12
08 63 13 00-0187	EA 63-1/4" x 99-5/8" Inside Frame Dimensions, 30 LB Uplift Rated, Polycarbonate/Polycarbonate Double Glazed Prismatic Lens, Industrial Style Smoke Vent Dome, Aluminum Framed Skylight	7,272.60	206.44

**08 66 Wood-Framed Skylights (08 60)**

08 66 00 00-0001	Wood-Framed Skylights (Andersen 400 Series) (08 66)		
08 66 00 00-0002	EA 16-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	734.86	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	98.25	
	For Aluminum Shingle Flashing, Add	78.60	
08 66 00 00-0003	EA 16-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	750.90	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	102.26	
	For Aluminum Shingle Flashing, Add	81.81	
08 66 00 00-0004	EA 24-1/2" x 27", Domed, Wood-Framed Skylight (Andersen 400 Series)	712.80	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	92.73	
	For Aluminum Shingle Flashing, Add	74.19	
08 66 00 00-0005	EA 24-1/2" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	762.93	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	105.27	
	For Aluminum Shingle Flashing, Add	84.21	
08 66 00 00-0006	EA 24-1/2" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	805.04	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	115.79	
	For Aluminum Shingle Flashing, Add	92.63	
08 66 00 00-0007	EA 24-1/2" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	873.21	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	132.84	
	For Aluminum Shingle Flashing, Add	106.27	
08 66 00 00-0008	EA 24-1/2" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	959.42	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	154.39	
	For Aluminum Shingle Flashing, Add	123.51	
08 66 00 00-0009	EA 27" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	712.80	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	92.73	
	For Aluminum Shingle Flashing, Add	74.19	
08 66 00 00-0010	EA 28" x 38", Domed, Wood-Framed Skylight (Andersen 400 Series)	815.06	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	118.30	
	For Aluminum Shingle Flashing, Add	94.64	
08 66 00 00-0011	EA 28" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	873.21	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	132.84	
	For Aluminum Shingle Flashing, Add	106.27	
08 66 00 00-0012	EA 28" x 57", Domed, Wood-Framed Skylight (Andersen 400 Series)	939.37	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	149.38	
	For Aluminum Shingle Flashing, Add	119.50	
08 66 00 00-0013	EA 28" x 72", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,027.59	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	171.43	
	For Aluminum Shingle Flashing, Add	137.14	
08 66 00 00-0014	EA 38" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	734.86	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	98.25	
	For Aluminum Shingle Flashing, Add	78.60	
08 66 00 00-0015	EA 38" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	762.93	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	105.27	
	For Aluminum Shingle Flashing, Add	84.21	
08 66 00 00-0016	EA 38" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	815.06	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	118.30	
	For Aluminum Shingle Flashing, Add	94.64	
08 66 00 00-0017	EA 44" x 46", Domed, Wood-Framed Skylight (Andersen 400 Series)	999.52	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	164.41	
	For Aluminum Shingle Flashing, Add	131.53	
08 66 00 00-0018	EA 46" x 16-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	750.90	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	102.26	
	For Aluminum Shingle Flashing, Add	81.81	
08 66 00 00-0019	EA 46" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	805.04	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	115.79	
	For Aluminum Shingle Flashing, Add	92.63	
08 66 00 00-0020	EA 46" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	873.21	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	132.84	
	For Aluminum Shingle Flashing, Add	106.27	
08 66 00 00-0021	EA 46" x 44", Domed, Wood-Framed Skylight (Andersen 400 Series)	999.52	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	164.41	
	For Aluminum Shingle Flashing, Add	131.53	
08 66 00 00-0022	EA 57" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	873.21	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	132.84	
	For Aluminum Shingle Flashing, Add	106.27	
08 66 00 00-0023	EA 57" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	939.37	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	149.38	
	For Aluminum Shingle Flashing, Add	119.50	
08 66 00 00-0024	EA 72" x 24-1/2", Domed, Wood-Framed Skylight (Andersen 400 Series)	959.42	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	154.39	
	For Aluminum Shingle Flashing, Add	123.51	
08 66 00 00-0025	EA 72" x 28", Domed, Wood-Framed Skylight (Andersen 400 Series)	1,027.59	170.94
	For Tempered Laminated Low-E Insulated Glass, Add	171.43	
	For Aluminum Shingle Flashing, Add	137.14	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 70 Hardware** (08)

**08 71 Door Hardware** (08 70)

**08 71 11 Door Hardware** (08 71)

Note: All hardware is ANSI/BHMA Grade 1 unless otherwise noted. See CSI section 08 05 13 00-0050 for removal and reinstallation of existing door where required for modifications.

08 71 11 00-0001	<p><b>Hinges</b> <small>(08 71 11)</small>                      Note: Unit of measure "PR" indicates that two (2) sets of hinges (top and bottom) are priced. For doors with three (3) sets of hinges (top, middle and bottom), use 1.5 pairs. Excludes mortise preparation for wood doors.</p>	
08 71 11 00-0002	<p><b>Brass/Bronze, Satin Chrome Finish Hinges</b> <small>(08 71 11 00-0001)</small>                      Note: US26D (BHMA 626) satin chrome finish.</p>	
08 71 11 00-0003	<p><b>Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <small>(08 71 11 00-0002)</small>                      Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.</p>	
08 71 11 00-0004	<p>PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 97.42  <i>For Clear Coated Bright Brass, Add</i> 6.55  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	9.57
08 71 11 00-0005	<p>PR 4" x 4" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 106.79  <i>For Clear Coated Bright Brass, Add</i> 7.29  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	13.68
08 71 11 00-0006	<p>PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 121.70  <i>For Clear Coated Bright Brass, Add</i> 6.10  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	15.05
08 71 11 00-0007	<p><b>Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <small>(08 71 11 00-0002)</small>                      Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.</p>	
08 71 11 00-0008	<p>PR 3-1/2" x 3-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 111.65  <i>For Clear Coated Bright Brass, Add</i> 8.41  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	9.57
08 71 11 00-0009	<p>PR 4" x 4" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 128.42  <i>For Clear Coated Bright Brass, Add</i> 8.41  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	13.68
08 71 11 00-0010	<p>PR 4-1/2" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 131.20  <i>For Clear Coated Bright Brass, Add</i> 7.43  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	15.05
08 71 11 00-0011	<p>PR 5" x 4-1/2" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 153.26  <i>For Clear Coated Bright Brass, Add</i> 8.69  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	17.78
08 71 11 00-0012	<p>PR 5" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 154.20  <i>For Clear Coated Bright Brass, Add</i> 8.82  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	17.78
08 71 11 00-0013	<p>PR 6" x 5" Standard Duty, Full Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 165.00  <i>For Clear Coated Bright Brass, Add</i> 10.34  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	22.83
08 71 11 00-0014	<p><b>Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <small>(08 71 11 00-0002)</small>                      Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.</p>	
08 71 11 00-0015	<p>PR 3-1/2" x 3-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 126.11</p>	9.57
08 71 11 00-0016	<p>PR 4" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 142.88</p>	13.68
08 71 11 00-0017	<p>PR 4-1/2" x 4-1/2", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 146.94</p>	15.05
08 71 11 00-0018	<p>PR 5" x 4", Standard Duty, Full Mortise, Concealed Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 170.61</p>	17.78
08 71 11 00-0019	<p><b>Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <small>(08 71 11 00-0002)</small>                      Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.</p>	
08 71 11 00-0020	<p>PR 4-1/2" x 4-1/2" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 162.76  <i>For Clear Coated Bright Brass, Add</i> 11.85  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	15.05
08 71 11 00-0021	<p>PR 5" x 4" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 185.09  <i>For Clear Coated Bright Brass, Add</i> 13.15  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	17.78
08 71 11 00-0022	<p>PR 5" x 5" Standard Duty, Half Surface, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 204.97  <i>For Clear Coated Bright Brass, Add</i> 15.93  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	17.78
08 71 11 00-0023	<p><b>Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinges</b> <small>(08 71 11 00-0002)</small>                      Note: Set into mortised edge of the door and surface applied to the face of the frame.</p>	
08 71 11 00-0024	<p>PR 4-1/2" x 4-1/2" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 166.70  <i>For Clear Coated Bright Brass, Add</i> 12.40  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	15.05
08 71 11 00-0025	<p>PR 5" x 4" Standard Duty, Half Mortise, Ball Bearing, Brass/Bronze, Satin Chrome Finish Hinge ..... 196.28  <i>For Clear Coated Bright Brass, Add</i> 14.72  <i>For Pair Of Non-Removable Pins (NRP), Add</i> 6.00</p>	17.78



**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0026			<b>Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze Satin Chrome Finish Hinge</b> <small>(08 71 11 00-0002)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0027	PR		4-1/2" x 4-1/2" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	161.94	15.05
			For Clear Coated Bright Brass, Add	11.73	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0028	PR		5" x 5" Heavy Duty, Full Mortise, Plain Bearing, Brass/Bronze, Satin Chrome Finish Hinge.....	187.25	22.83
			For Clear Coated Bright Brass, Add	13.45	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0029			<b>Mortised, Wrought Steel Hinges</b> <small>(08 71 11 00-0001)</small> Note: Clear coated, US 26D satin chrome finish (BHMA 652).		
08 71 11 00-0030			<b>Full Mortise, Plain Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0029)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0031	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	69.24	9.57
			For Primed For Paint Finish, Deduct	-3.53	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.20	
			For Satin Brass Plated Clear Coated Finish, Deduct	-2.12	
			For Stainless Steel, Add	9.70	
			For Heavy Duty, Add	2.64	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0032	PR		4" x 4", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	87.84	13.68
			For Primed For Paint Finish, Deduct	-3.89	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.43	
			For Satin Brass Plated Clear Coated Finish, Deduct	-2.34	
			For Stainless Steel, Add	10.70	
			For Heavy Duty, Add	2.92	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0033	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Plain Bearing, Wrought Steel Hinge.....	101.85	15.05
			For Primed For Paint Finish, Deduct	-4.74	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	2.96	
			For Satin Brass Plated Clear Coated Finish, Deduct	-2.85	
			For Stainless Steel, Add	13.04	
			For Heavy Duty, Add	3.56	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0034			<b>Full Mortise, Ball Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0029)</small> Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0035	PR		3-1/2" x 3-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	115.88	9.57
			For Primed For Paint Finish, Deduct	-12.85	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	8.03	
			For Satin Brass Plated Clear Coated Finish, Deduct	-7.71	
			For Stainless Steel, Add	35.35	
			For Heavy Duty, Add	9.64	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0036	PR		4" x 4", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	141.16	13.68
			For Primed For Paint Finish, Deduct	-14.56	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	9.10	
			For Satin Brass Plated Clear Coated Finish, Deduct	-8.73	
			For Stainless Steel, Add	40.03	
			For Heavy Duty, Add	10.92	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0037	PR		4-1/2" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	119.61	15.05
			For Primed For Paint Finish, Deduct	-8.29	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	5.18	
			For Satin Brass Plated Clear Coated Finish, Deduct	-4.98	
			For Stainless Steel, Add	22.81	
			For Heavy Duty, Add	6.22	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0038	PR		5" x 4-1/2", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	197.57	17.78
			For Primed For Paint Finish, Deduct	-21.28	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	13.30	
			For Satin Brass Plated Clear Coated Finish, Deduct	-12.77	
			For Stainless Steel, Add	58.52	
			For Heavy Duty, Add	15.96	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0039	PR		5" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	212.59	17.78
			For Primed For Paint Finish, Deduct	-24.28	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	15.18	
			For Satin Brass Plated Clear Coated Finish, Deduct	-14.57	
			For Stainless Steel, Add	66.78	
			For Heavy Duty, Add	18.21	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0040	PR		6" x 5", Standard Duty, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	258.37	17.78
			For Primed For Paint Finish, Deduct	-33.44	
			For Bright Chrome Plated Finish US26 (BHMA 625), Add	20.90	
			For Satin Brass Plated Clear Coated Finish, Deduct	-20.06	
			For Stainless Steel, Add	91.96	
			For Heavy Duty, Add	25.08	
			For Pair Of Non-Removable Pins (NRP), Add	6.00	
08 71 11 00-0041			<b>Half Surface, Plain Bearing, Wrought Steel Hinges</b> <small>(08 71 11 00-0029)</small> Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0042	PR		3-1/2" x 3-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge .....	142.81	9.57
			<i>For Primed For Paint Finish, Deduct</i>	-18.24	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	11.40	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.94	
			<i>For Stainless Steel, Add</i>	50.16	
			<i>For Heavy Duty, Add</i>	13.68	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0043	PR		4" x 4", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	171.74	13.68
			<i>For Primed For Paint Finish, Deduct</i>	-20.67	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	12.92	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-12.40	
			<i>For Stainless Steel, Add</i>	56.85	
			<i>For Heavy Duty, Add</i>	15.50	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0044	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge .....	193.66	15.05
			<i>For Primed For Paint Finish, Deduct</i>	-23.10	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	14.44	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-13.86	
			<i>For Stainless Steel, Add</i>	63.54	
			<i>For Heavy Duty, Add</i>	17.33	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0045	PR		5" x 4-1/2", Standard Duty, Half Surface, Plain Bearing, Wrought Steel Hinge.....	218.85	17.78
			<i>For Primed For Paint Finish, Deduct</i>	-25.54	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	15.96	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-15.32	
			<i>For Stainless Steel, Add</i>	70.22	
			<i>For Heavy Duty, Add</i>	19.15	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0046</b>			<b>Half Surface, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0029)</b>		
			Note: Surface mounted to the face of the door and set into mortised rabbet edge of the frame.		
08 71 11 00-0047	PR		4" x 4", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	199.10	15.05
			<i>For Primed For Paint Finish, Deduct</i>	-26.14	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	16.34	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-15.69	
			<i>For Stainless Steel, Add</i>	71.90	
			<i>For Heavy Duty, Add</i>	19.61	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0048	PR		4-1/2" x 4-1/2", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge .....	222.79	15.05
			<i>For Primed For Paint Finish, Deduct</i>	-28.93	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	18.08	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-17.36	
			<i>For Stainless Steel, Add</i>	79.56	
			<i>For Heavy Duty, Add</i>	21.70	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
08 71 11 00-0049	PR		5" x 5", Standard Duty, Half Surface, Ball Bearing, Wrought Steel Hinge.....	258.37	17.78
			<i>For Primed For Paint Finish, Deduct</i>	-33.44	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	20.90	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-20.06	
			<i>For Stainless Steel, Add</i>	91.96	
			<i>For Heavy Duty, Add</i>	25.08	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0050</b>			<b>Slide-In, Full Mortise, Ball Bearing, Wrought Steel Hinges (08 71 11 00-0029)</b>		
			Note: Both leaves slide into a cavity prepared in the door and door frame.		
08 71 11 00-0051	PR		4-1/2" x 4-1/2", Standard Duty, Slide In, Full Mortise, Ball Bearing, Wrought Steel Hinge.....	163.78	15.05
			<i>For Primed For Paint Finish, Deduct</i>	-17.13	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.71	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-10.28	
			<i>For Stainless Steel, Add</i>	47.10	
			<i>For Heavy Duty, Add</i>	12.85	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0052</b>			<b>Blank Butt Hinges (08 71 11 00-0029)</b>		
08 71 11 00-0053	PR		3-1/2" x 3-1/2" To 5" x 5", Blank Butt With Screws, Steel Hinge .....	35.35	6.15
			<i>For Primed For Paint Finish, Deduct</i>	-2.18	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	1.36	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-1.31	
			<i>For Stainless Steel, Add</i>	6.00	
			<i>For Heavy Duty, Add</i>	1.64	
			<i>For Pair Of Non-Removable Pins (NRP), Add</i>	6.00	
<b>08 71 11 00-0054</b>			<b>Full Mortise, Single Acting Spring, Wrought Steel Hinges (08 71 11 00-0029)</b>		
			Note: Set into the mortised edge of the door and mortised rabbet edge of the frame.		
08 71 11 00-0055	PR		3-1/2" x 3-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge .....	133.41	9.57
			<i>For Primed For Paint Finish, Deduct</i>	-16.36	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	10.23	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-9.82	
			<i>For Stainless Steel, Add</i>	44.99	
08 71 11 00-0056	PR		4" x 4", Full Mortise, Single Acting Spring, Wrought Steel Hinge.....	175.38	13.68
			<i>For Primed For Paint Finish, Deduct</i>	-21.40	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	13.38	
			<i>For Satin Brass Plated Clear Coated Finish, Deduct</i>	-12.84	
			<i>For Stainless Steel, Add</i>	58.85	

## 08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-0057	PR 4-1/2" x 4-1/2", Full Mortise, Single Acting Spring, Wrought Steel Hinge..... <i>For Primed For Paint Finish, Deduct</i> <i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i> <i>For Satin Brass Plated Clear Coated Finish, Deduct</i> <i>For Stainless Steel, Add</i>	235.53 -31.48 19.67 -18.89 86.56	15.05
08 71 11 00-0058	Offset And Pivot Hinges (08 71 11 00-0001) Note: Satin chrome plated, US26D.		
08 71 11 00-0059	Offset Swing Clear Hinges (08 71 11 00-0058) Note: For use on 1-3/8" and 1-3/4" doors. Allows doors to swing completely clear of the openings.		
08 71 11 00-0060	EA 4-1/2", Steel, Satin Chrome Finish, Swing Clear, Offset Hinges..... <i>For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add</i> <i>For Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	193.77 33.57 54.07	4.26
08 71 11 00-0061	Offset Pivot Hinges (08 71 11 00-0058)		
08 71 11 00-0062	3/4" Offset Pivot Hinges (08 71 11 00-0061)		
08 71 11 00-0063	3/4" Offset Pivot Hinges (08 71 11 00-0062)		
08 71 11 00-0064	Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0065	200 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0066	EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	150.61	13.68
08 71 11 00-0067	EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	201.04	13.68
08 71 11 00-0068	EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	229.06	13.68
08 71 11 00-0069	EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	229.06	13.68
08 71 11 00-0070	EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	229.06	13.68
08 71 11 00-0071	EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top).....	229.06	13.68
08 71 11 00-0072	EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7212 Top) .....	229.06	13.68
08 71 11 00-0073	EA Painted Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	165.18	13.68
08 71 11 00-0074	EA Satin Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	208.90	13.68
08 71 11 00-0075	EA Bright Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	238.02	13.68
08 71 11 00-0076	EA Satin Brass Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	238.02	13.68
08 71 11 00-0077	EA Satin Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	238.02	13.68
08 71 11 00-0078	EA Dark Bronze Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top).....	238.02	13.68
08 71 11 00-0079	EA Bright Chrome Finish, 200 LB Max Door Weight, Top Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212V Top) .....	238.02	13.68
08 71 11 00-0080	EA Painted Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	150.61	13.68
08 71 11 00-0081	EA Satin Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	201.04	13.68
08 71 11 00-0082	EA Bright Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	229.06	13.68
08 71 11 00-0083	EA Satin Brass Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	229.06	13.68
08 71 11 00-0084	EA Satin Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	229.06	13.68
08 71 11 00-0085	EA Dark Bronze Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top).....	229.06	13.68
08 71 11 00-0086	EA Bright Chrome Finish, 200 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7222 Top) .....	229.06	13.68
08 71 11 00-0087			
08 71 11 00-0088	500 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0088	EA Painted Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	157.45	17.09
08 71 11 00-0089	EA Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	207.88	17.09
08 71 11 00-0090	EA Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	235.90	17.09
08 71 11 00-0091	EA Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	235.90	17.09
08 71 11 00-0092	EA Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	235.90	17.09
08 71 11 00-0093	EA Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top).....	235.90	17.09
08 71 11 00-0094	EA Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7215 Top) .....	235.90	17.09
08 71 11 00-0095	600 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0096	EA Painted Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	157.45	17.09
08 71 11 00-0097	EA Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	207.88	17.09
08 71 11 00-0098	EA Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	235.90	17.09
08 71 11 00-0099	EA Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	235.90	17.09
08 71 11 00-0100	EA Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	235.90	17.09
08 71 11 00-0101	EA Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top).....	235.90	17.09
08 71 11 00-0102	EA Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7226 Top) .....	235.90	17.09
08 71 11 00-0103	700 LB Max Door Weight, Top Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0064)		
08 71 11 00-0104	EA Painted Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	157.45	17.09
08 71 11 00-0105	EA Satin Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	207.88	17.09
08 71 11 00-0106	EA Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	235.90	17.09
08 71 11 00-0107	EA Satin Brass Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	235.90	17.09
08 71 11 00-0108	EA Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	235.90	17.09
08 71 11 00-0109	EA Dark Bronze Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top).....	235.90	17.09
08 71 11 00-0110	EA Bright Chrome Finish, 700 LB Max Door Weight, Top Header Mount, 3/4" Offset Pivot Hinge (Ives 7227 Top) .....	235.90	17.09
08 71 11 00-0111	Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)		
08 71 11 00-0112	200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)		
08 71 11 00-0113	EA Painted Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	186.47	13.68
08 71 11 00-0114	EA Satin Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT).....	229.06	13.68

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0115	EA		Bright Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	259.31	13.68
08 71 11 00-0116	EA		Satin Brass Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	259.31	13.68
08 71 11 00-0117	EA		Satin Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	259.31	13.68
08 71 11 00-0118	EA		Dark Bronze Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	259.31	13.68
08 71 11 00-0119	EA		Bright Chrome Finish, 200 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7212-7212V-7222 INT) .....	259.31	13.68
<b>08 71 11 00-0120</b>			<b>500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)</b>		
08 71 11 00-0121	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	207.88	17.09
08 71 11 00-0122	EA		Satin Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	221.33	17.09
08 71 11 00-0123	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	244.86	17.09
08 71 11 00-0124	EA		Satin Brass Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	244.86	17.09
08 71 11 00-0125	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	244.86	17.09
08 71 11 00-0126	EA		Dark Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	244.86	17.09
08 71 11 00-0127	EA		Bright Chrome Finish, 500 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7215 INT) .....	244.86	17.09
<b>08 71 11 00-0128</b>			<b>600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)</b>		
08 71 11 00-0129	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	207.88	17.09
08 71 11 00-0130	EA		Satin Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	221.33	17.09
08 71 11 00-0131	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	244.86	17.09
08 71 11 00-0132	EA		Satin Brass Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	244.86	17.09
08 71 11 00-0133	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	244.86	17.09
08 71 11 00-0134	EA		Dark Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	244.86	17.09
08 71 11 00-0135	EA		Bright Chrome Finish, 600 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7226 INT) .....	244.86	17.09
<b>08 71 11 00-0136</b>			<b>700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0111)</b>		
08 71 11 00-0137	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	207.88	17.09
08 71 11 00-0138	EA		Satin Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	221.33	17.09
08 71 11 00-0139	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	244.86	17.09
08 71 11 00-0140	EA		Satin Brass Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	244.86	17.09
08 71 11 00-0141	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	244.86	17.09
08 71 11 00-0142	EA		Dark Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	244.86	17.09
08 71 11 00-0143	EA		Bright Chrome Finish, 700 LB Max Door Weight, Intermediate Mount, 3/4" Offset Pivot Hinge (Ives 7227 INT) .....	244.86	17.09
<b>08 71 11 00-0144</b>			<b>Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0063)</b>		
<b>08 71 11 00-0145</b>			<b>200 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)</b>		
08 71 11 00-0146	EA		Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	165.18	13.68
08 71 11 00-0147	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	208.90	13.68
08 71 11 00-0148	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	238.02	13.68
08 71 11 00-0149	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	238.02	13.68
08 71 11 00-0150	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	238.02	13.68
08 71 11 00-0151	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	306.72	13.68
08 71 11 00-0152	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 BTM) .....	238.02	13.68
08 71 11 00-0153	EA		Painted Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	165.18	13.68
08 71 11 00-0154	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	208.90	13.68
08 71 11 00-0155	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	238.02	13.68
08 71 11 00-0156	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	238.02	13.68
08 71 11 00-0157	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	238.02	13.68
08 71 11 00-0158	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	238.02	13.68
08 71 11 00-0159	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7212 VBTM) .....	238.02	13.68
08 71 11 00-0160	EA		Painted Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	143.89	13.68
08 71 11 00-0161	EA		Satin Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	194.33	13.68
08 71 11 00-0162	EA		Bright Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	223.45	13.68
08 71 11 00-0163	EA		Satin Brass Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	223.45	13.68
08 71 11 00-0164	EA		Satin Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	223.45	13.68
08 71 11 00-0165	EA		Dark Bronze Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	223.45	13.68
08 71 11 00-0166	EA		Bright Chrome Finish, 200 LB Max Door Weight, Bottom Base Plate Mount, 3/4" Offset Pivot Hinge (Ives 7222 BTM) .....	223.45	13.68
<b>08 71 11 00-0167</b>			<b>500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)</b>		
08 71 11 00-0168	EA		Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	250.47	17.09
08 71 11 00-0169	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	266.15	17.09
08 71 11 00-0170	EA		Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	266.15	17.09
08 71 11 00-0171	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	266.15	17.09
08 71 11 00-0172	EA		Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	266.15	17.09
08 71 11 00-0173	EA		Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	266.15	17.09
08 71 11 00-0174	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7215 BTM) .....	270.63	17.09
<b>08 71 11 00-0175</b>			<b>600 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)</b>		
08 71 11 00-0176	EA		Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM) .....	215.74	17.09



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 71 11 00-0177	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	235.90	17.09
08 71 11 00-0178	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	250.47	17.09
08 71 11 00-0179	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	250.47	17.09
08 71 11 00-0180	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	250.47	17.09
08 71 11 00-0181	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	250.47	17.09
08 71 11 00-0182	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7226 BTM).....	250.47	17.09

**08 71 11 00-0183 700 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges (08 71 11 00-0144)**

08 71 11 00-0184	EA	Painted Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	489.15	17.09
08 71 11 00-0185	EA	Satin Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	525.01	17.09
08 71 11 00-0186	EA	Bright Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	582.17	17.09
08 71 11 00-0187	EA	Satin Brass Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	582.17	17.09
08 71 11 00-0188	EA	Satin Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	582.17	17.09
08 71 11 00-0189	EA	Dark Bronze Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	582.17	17.09
08 71 11 00-0190	EA	Bright Chrome Finish, 700 LB Max Door Weight, Bottom Jamb Mount, 3/4" Offset Pivot Hinge (Ives 7227 BTM).....	582.17	17.09

**08 71 11 00-0191 Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0062)****08 71 11 00-0192 Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0191)****08 71 11 00-0193 500 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges**

08 71 11 00-0194	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	293.07	17.09
08 71 11 00-0195	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	345.71	17.09
08 71 11 00-0196	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	388.30	17.09
08 71 11 00-0197	EA	Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	388.30	17.09
08 71 11 00-0198	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F Top).....	388.30	17.09

**08 71 11 00-0199 600 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges**

08 71 11 00-0200	EA	Painted Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	293.07	17.09
08 71 11 00-0201	EA	Satin Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	345.71	17.09
08 71 11 00-0202	EA	Bright Stainless Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	388.30	17.09
08 71 11 00-0203	EA	Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	388.30	17.09
08 71 11 00-0204	EA	Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F Top).....	388.30	17.09

**08 71 11 00-0205 700 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges**

08 71 11 00-0206	EA	Painted Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	293.07	17.09
08 71 11 00-0207	EA	Satin Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	345.71	17.09
08 71 11 00-0208	EA	Bright Stainless Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	388.30	17.09
08 71 11 00-0209	EA	Bright Brass Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	388.30	17.09
08 71 11 00-0210	EA	Satin Bronze Finish, 700 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227F Top).....	388.30	17.09

**08 71 11 00-0211 1,000 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)**

08 71 11 00-0212	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	308.85	20.51
08 71 11 00-0213	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	352.55	20.51
08 71 11 00-0214	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	372.73	20.51
08 71 11 00-0215	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	372.73	20.51
08 71 11 00-0216	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F Top).....	372.73	20.51

**08 71 11 00-0217 1,750 LB Max Door Weight, Top Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0192)**

08 71 11 00-0218	EA	Painted Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	308.85	20.51
08 71 11 00-0219	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	352.55	20.51
08 71 11 00-0220	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	372.73	20.51
08 71 11 00-0221	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	372.73	20.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0222	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Top Header Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F Top).....	372.73	20.51
08 71 11 00-0223			<b>Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0191)</small>		
08 71 11 00-0224			<b>500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0225	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	302.01	17.09
08 71 11 00-0226	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	351.32	17.09
08 71 11 00-0227	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	365.89	17.09
08 71 11 00-0228	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	365.89	17.09
08 71 11 00-0229	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215 FINT).....	365.89	17.09
08 71 11 00-0230			<b>600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0231	EA		Painted Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	302.01	17.09
08 71 11 00-0232	EA		Satin Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	351.32	17.09
08 71 11 00-0233	EA		Bright Stainless Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	365.89	17.09
08 71 11 00-0234	EA		Bright Brass Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	365.89	17.09
08 71 11 00-0235	EA		Satin Bronze Finish, 600 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226 FINT).....	365.89	17.09
08 71 11 00-0236			<b>700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0237	EA		Painted Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	302.01	17.09
08 71 11 00-0238	EA		Satin Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	351.32	17.09
08 71 11 00-0239	EA		Bright Stainless Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	365.89	17.09
08 71 11 00-0240	EA		Bright Brass Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	365.89	17.09
08 71 11 00-0241	EA		Satin Bronze Finish, 700 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7227 FINT).....	365.89	17.09
08 71 11 00-0242			<b>1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0243	EA		Painted Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	338.00	20.51
08 71 11 00-0244	EA		Satin Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	388.41	20.51
08 71 11 00-0245	EA		Bright Stainless Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	401.86	20.51
08 71 11 00-0246	EA		Bright Brass Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	401.86	20.51
08 71 11 00-0247	EA		Satin Bronze Finish, 1,000 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230 FINT).....	401.86	20.51
08 71 11 00-0248			<b>1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0223)</small>		
08 71 11 00-0249	EA		Painted Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	338.00	20.51
08 71 11 00-0250	EA		Satin Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	388.41	20.51
08 71 11 00-0251	EA		Bright Stainless Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	401.86	20.51
08 71 11 00-0252	EA		Bright Brass Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	401.86	20.51
08 71 11 00-0253	EA		Satin Bronze Finish, 1,750 LB Max Door Weight, Intermediate Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237 FINT).....	401.86	20.51
08 71 11 00-0254			<b>Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0191)</small>		
08 71 11 00-0255			<b>500 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges</b> <small>(08 71 11 00-0254)</small>		
08 71 11 00-0256	EA		Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	336.77	17.09
08 71 11 00-0257	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	416.32	17.09
08 71 11 00-0258	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	446.57	17.09

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-0259	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	446.57		17.09
08 71 11 00-0260	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7215F BTM).....	446.57		17.09
<b>08 71 11 00-0261</b>		<b>600 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0254)</b>			
08 71 11 00-0262	EA	Painted Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	331.16		17.09
08 71 11 00-0263	EA	Satin Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	351.32		17.09
08 71 11 00-0264	EA	Bright Stainless Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	402.88		17.09
08 71 11 00-0265	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	402.88		17.09
08 71 11 00-0266	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7226F BTM).....	402.88		17.09
<b>08 71 11 00-0267</b>		<b>1,000 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0254)</b>			
08 71 11 00-0268	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	380.57		20.51
08 71 11 00-0269	EA	Satin Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	423.16		20.51
08 71 11 00-0270	EA	Bright Stainless Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	438.84		20.51
08 71 11 00-0271	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	438.84		20.51
08 71 11 00-0272	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7230F BTM).....	438.84		20.51
<b>08 71 11 00-0273</b>		<b>1,750 LB Max Door Weight, Bottom Mount, Fire Rated, 3/4" Offset Pivot Hinges (08 71 11 00-0254)</b>			
08 71 11 00-0274	EA	Painted Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	538.58		20.51
08 71 11 00-0275	EA	Satin Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	574.44		20.51
08 71 11 00-0276	EA	Bright Stainless Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	589.01		20.51
08 71 11 00-0277	EA	Bright Brass Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	589.01		20.51
08 71 11 00-0278	EA	Satin Bronze Finish, 1,750 LB Max Door Weight, Bottom Jamb Mount, Fire Rated, 3/4" Offset Pivot Hinge (Ives 7237F BTM).....	589.01		20.51
<b>08 71 11 00-0279</b>		<b>1-1/2" Offset Pivot Hinges (08 71 11 00-0061)</b>			
<b>08 71 11 00-0280</b>		<b>Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0279)</b>			
<b>08 71 11 00-0281</b>		<b>Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)</b>			
<b>08 71 11 00-0282</b>		<b>400 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)</b>			
08 71 11 00-0283	EA	Painted Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	345.71		17.09
08 71 11 00-0284	EA	Satin Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	373.73		17.09
08 71 11 00-0285	EA	Bright Stainless Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	395.02		17.09
08 71 11 00-0286	EA	Bright Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	395.02		17.09
08 71 11 00-0287	EA	Satin Bronze Finish, 400 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 Top).....	395.02		17.09
<b>08 71 11 00-0288</b>		<b>500 LB Max Door Weight, Top Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0281)</b>			
08 71 11 00-0289	EA	Painted Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	345.71		17.09
08 71 11 00-0290	EA	Satin Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	373.73		17.09
08 71 11 00-0291	EA	Bright Stainless Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	395.02		17.09
08 71 11 00-0292	EA	Bright Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	395.02		17.09
08 71 11 00-0293	EA	Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 Top).....	395.02		17.09
<b>08 71 11 00-0294</b>		<b>Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0280)</b>			
<b>08 71 11 00-0295</b>		<b>400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges (08 71 11 00-0294)</b>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0296	EA		Painted Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	359.16	17.09
08 71 11 00-0297	EA		Satin Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	402.88	17.09
08 71 11 00-0298	EA		Bright Stainless Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	424.16	17.09
08 71 11 00-0299	EA		Bright Brass Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	424.16	17.09
08 71 11 00-0300	EA		Satin Bronze Finish, 400 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 FINT).....	424.16	17.09
<b>08 71 11 00-0301</b>			<b>500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0294)</small>		
08 71 11 00-0302	EA		Painted Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	359.16	17.09
08 71 11 00-0303	EA		Satin Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	402.88	17.09
08 71 11 00-0304	EA		Bright Stainless Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	424.16	17.09
08 71 11 00-0305	EA		Bright Brass Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	424.16	17.09
08 71 11 00-0306	EA		Satin Bronze Finish, 500 LB Max Door Weight, Intermediate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 FINT).....	424.16	17.09
<b>08 71 11 00-0307</b>			<b>Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0280)</small>		
<b>08 71 11 00-0308</b>			<b>400 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0307)</small>		
08 71 11 00-0309	EA		Painted Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	351.32	17.09
08 71 11 00-0310	EA		Satin Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	402.88	17.09
08 71 11 00-0311	EA		Bright Stainless Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	424.16	17.09
08 71 11 00-0312	EA		Bright Brass Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	424.16	17.09
08 71 11 00-0313	EA		Satin Bronze Finish, 400 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7244 BTM).....	424.16	17.09
<b>08 71 11 00-0314</b>			<b>500 LB Max Door Weight, Bottom Mount, Fire Rated, 1-1/2" Offset Pivot Hinges</b> <small>(08 71 11 00-0307)</small>		
08 71 11 00-0315	EA		Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	567.60	17.09
08 71 11 00-0316	EA		Satin Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	625.87	17.09
08 71 11 00-0317	EA		Bright Stainless Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	640.45	17.09
08 71 11 00-0318	EA		Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	640.45	17.09
08 71 11 00-0319	EA		Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Fire Rated, 1-1/2" Offset Pivot Hinge (Ives 7245 BTM).....	640.45	17.09
<b>08 71 11 00-0320</b>			<b>Center Hung Pivot Hinges</b> <small>(08 71 11 00-0058)</small>		
<b>08 71 11 00-0321</b>			<b>Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0320)</small>		
<b>08 71 11 00-0322</b>			<b>300 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0321)</small>		
08 71 11 00-0323	EA		Painted Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	179.75	13.68
08 71 11 00-0324	EA		Satin Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	194.33	13.68
08 71 11 00-0325	EA		Bright Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	194.33	13.68
08 71 11 00-0326	EA		Satin Brass Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	194.33	13.68
08 71 11 00-0327	EA		Satin Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	194.33	13.68
08 71 11 00-0328	EA		Dark Bronze Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	194.33	13.68
08 71 11 00-0329	EA		Bright Chrome Finish, 300 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7253 Top).....	194.33	13.68
<b>08 71 11 00-0330</b>			<b>500 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0321)</small>		
08 71 11 00-0331	EA		Painted Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	186.59	17.09
08 71 11 00-0332	EA		Satin Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	201.17	17.09
08 71 11 00-0333	EA		Bright Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	201.17	17.09
08 71 11 00-0334	EA		Satin Brass Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	201.17	17.09
08 71 11 00-0335	EA		Satin Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	201.17	17.09
08 71 11 00-0336	EA		Dark Bronze Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	201.17	17.09
08 71 11 00-0337	EA		Bright Chrome Finish, 500 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7255 Top).....	201.17	17.09
<b>08 71 11 00-0338</b>			<b>600 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> <small>(08 71 11 00-0321)</small>		
08 71 11 00-0339	EA		Painted Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	186.59	17.09
08 71 11 00-0340	EA		Satin Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	201.17	17.09
08 71 11 00-0341	EA		Bright Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	201.17	17.09
08 71 11 00-0342	EA		Satin Brass Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	201.17	17.09
08 71 11 00-0343	EA		Satin Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top).....	201.17	17.09

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-0344	EA	Dark Bronze Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	201.17	17.09
08 71 11 00-0345	EA	Bright Chrome Finish, 600 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7256 Top)	201.17	17.09
<b>08 71 11 00-0346</b>		<b>1,000 LB Max Door Weight, Top Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0321)		
08 71 11 00-0347	EA	Painted Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	294.28	20.51
08 71 11 00-0348	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	343.61	20.51
08 71 11 00-0349	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	395.14	20.51
08 71 11 00-0350	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	395.14	20.51
08 71 11 00-0351	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	395.14	20.51
08 71 11 00-0352	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	395.14	20.51
08 71 11 00-0353	EA	Bright Chrome Finish, 1,000 LB Max Door Weight, Top Header Mount, Center Hung Pivot Hinge (Ives 7259 Top)	395.14	20.51
<b>08 71 11 00-0354</b>		<b>Bottom Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0320)		
<b>08 71 11 00-0355</b>		<b>300 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0354)		
08 71 11 00-0356	EA	Painted Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	137.16	13.68
08 71 11 00-0357	EA	Satin Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	158.47	13.68
08 71 11 00-0358	EA	Bright Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	179.75	13.68
08 71 11 00-0359	EA	Satin Brass Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	179.75	13.68
08 71 11 00-0360	EA	Satin Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	179.75	13.68
08 71 11 00-0361	EA	Dark Bronze Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	179.75	13.68
08 71 11 00-0362	EA	Bright Chrome Finish, 300 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7253 BTM)	179.75	13.68
<b>08 71 11 00-0363</b>		<b>500 LB Max Door Weight, Bottom Mount, 3/4" Offset Pivot Hinges</b> (08 71 11 00-0354)		
08 71 11 00-0364	EA	Painted Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	201.17	17.09
08 71 11 00-0365	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	207.88	17.09
08 71 11 00-0366	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	207.88	17.09
08 71 11 00-0367	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	207.88	17.09
08 71 11 00-0368	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	207.88	17.09
08 71 11 00-0369	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	207.88	17.09
08 71 11 00-0370	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7255 BTM)	207.88	17.09
08 71 11 00-0371	EA	Painted Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	201.17	17.09
08 71 11 00-0372	EA	Satin Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	207.88	17.09
08 71 11 00-0373	EA	Bright Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	207.88	17.09
08 71 11 00-0374	EA	Satin Brass Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	207.88	17.09
08 71 11 00-0375	EA	Satin Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	207.88	17.09
08 71 11 00-0376	EA	Dark Bronze Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	207.88	17.09
08 71 11 00-0377	EA	Bright Chrome Finish, 500 LB Max Door Weight, Bottom Jamb Mount, Center Hung Pivot Hinge (Ives 7255 JBTM)	207.88	17.09
<b>08 71 11 00-0378</b>		<b>600 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0354)		
08 71 11 00-0379	EA	Painted Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	402.88	17.09
08 71 11 00-0380	EA	Satin Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	424.16	17.09
08 71 11 00-0381	EA	Bright Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	446.57	17.09
08 71 11 00-0382	EA	Satin Brass Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	446.57	17.09
08 71 11 00-0383	EA	Satin Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	446.57	17.09
08 71 11 00-0384	EA	Dark Bronze Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	446.57	17.09
08 71 11 00-0385	EA	Bright Chrome Finish, 600 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7256 BTM)	446.57	17.09
<b>08 71 11 00-0386</b>		<b>1,000 LB Max Door Weight, Bottom Mount, Center Hung Pivot Hinges</b> (08 71 11 00-0354)		
08 71 11 00-0387	EA	Painted Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	740.29	20.51
08 71 11 00-0388	EA	Satin Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	761.58	20.51
08 71 11 00-0389	EA	Bright Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	790.72	20.51
08 71 11 00-0390	EA	Satin Brass Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	790.72	20.51
08 71 11 00-0391	EA	Satin Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	790.72	20.51
08 71 11 00-0392	EA	Dark Bronze Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM)	790.72	20.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0393	EA		Bright Chrome Finish, 1,000 LB Max Door Weight, Bottom Base Plate Mount, Center Hung Pivot Hinge (Ives 7259 BTM).....	790.72	20.51
<b>08 71 11 00-0394 Continuous Barrel-Type Hinge (08 71 11 00-0001)</b>					
08 71 11 00-0395	LF		1-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	33.70	5.47
			<i>For Stainless Steel, Add</i>	6.50	
			<i>For Brass Or Nickel, Add</i>	7.09	
			<i>For Aluminum, Add</i>	2.32	
			<i>For Medium Gauge, Deduct</i>	-2.36	
08 71 11 00-0396	LF		2" Wide, Steel, Continuous Barrel-Type Hinge.....	34.49	5.47
			<i>For Stainless Steel, Add</i>	6.94	
			<i>For Brass Or Nickel, Add</i>	7.57	
			<i>For Aluminum, Add</i>	2.47	
			<i>For Medium Gauge, Deduct</i>	-2.52	
08 71 11 00-0397	LF		2-1/2" Wide, Steel, Continuous Barrel-Type Hinge.....	36.06	5.47
			<i>For Stainless Steel, Add</i>	7.80	
			<i>For Brass Or Nickel, Add</i>	8.51	
			<i>For Aluminum, Add</i>	2.78	
			<i>For Medium Gauge, Deduct</i>	-2.84	
08 71 11 00-0398	LF		3" Wide, Steel, Continuous Barrel-Type Hinge.....	37.85	5.47
			<i>For Stainless Steel, Add</i>	8.78	
			<i>For Brass Or Nickel, Add</i>	9.58	
			<i>For Aluminum, Add</i>	3.13	
			<i>For Medium Gauge, Deduct</i>	-3.19	
<b>08 71 11 00-0399 Continuous Geared Hinges (08 71 11 00-0001)</b>					
08 71 11 00-0400	LF		Half Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-053).....	65.56	5.47
			<i>For Bronze Finish, Add</i>	16.38	
			<i>For Heavy Duty, Add</i>	11.67	
08 71 11 00-0401	LF		Full Surface, Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-057).....	70.66	5.47
			<i>For Bronze Finish, Add</i>	18.29	
			<i>For Heavy Duty, Add</i>	13.03	
08 71 11 00-0402	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Standard Duty (Roton 780-112).....	45.07	5.47
			<i>For Bronze Finish, Add</i>	8.70	
08 71 11 00-0403	LF		Concealed (Full Mortise), Aluminum Geared Continuous Hinge, Heavy Duty (Roton 780-112HD).....	52.47	5.47
			<i>For Bronze Finish, Add</i>	11.47	
<b>08 71 11 00-0404 Mortised, Primed Steel, Double Acting Spring Hinges (08 71 11 00-0001)</b>					
08 71 11 00-0405	PR		2", Mortised, Primed Steel, Double Acting Spring Hinge.....	187.15	9.57
			<i>For Satin Brass, Add</i>	33.43	
08 71 11 00-0406	PR		3", Mortised, Primed Steel, Double Acting Spring Hinge.....	200.89	12.30
			<i>For Satin Brass, Add</i>	33.44	
08 71 11 00-0407	PR		4", Mortised, Primed Steel, Double Acting Spring Hinge.....	222.16	15.05
			<i>For Satin Brass, Add</i>	35.27	
08 71 11 00-0408	PR		5", Mortised, Primed Steel, Double Acting Spring Hinge.....	292.20	17.78
			<i>For Satin Brass, Add</i>	48.79	
08 71 11 00-0409	PR		6", Mortised, Primed Steel, Double Acting Spring Hinge.....	326.47	20.51
			<i>For Satin Brass, Add</i>	53.74	
08 71 11 00-0410	PR		7", Mortised, Primed Steel, Double Acting Spring Hinge.....	393.60	23.25
			<i>For Satin Brass, Add</i>	66.57	
08 71 11 00-0411	PR		8", Mortised, Primed Steel, Double Acting Spring Hinge.....	537.87	64.96
			<i>For Satin Brass, Add</i>	97.91	
<b>08 71 11 00-0412 Security Hinges (08 71 11 00-0001)</b>					
08 71 11 00-0413	EA		4-1/2" x 4-1/2", Non-Removable Pin, Full Mortise, Ball Bearing, Steel Security Hinge.....	46.17	9.57
<b>08 71 11 00-0414 Concealed Circuit Electric Hinge Option (08 71 11 00-0001)</b>					
Note: Excludes the hinge. These tasks are used in conjunction with other hinges to electrify the hinge.					
08 71 11 00-0415	EA		4 Wire Concealed Circuit Electric Hinge Option.....	312.97	
08 71 11 00-0416	EA		6 Wire Concealed Circuit Electric Hinge Option.....	369.51	
08 71 11 00-0417	EA		8 Wire Concealed Circuit Electric Hinge Option.....	426.06	
<b>08 71 11 00-0418 Hinge Filler Plates For Door Frames (08 71 11 00-0001)</b>					
08 71 11 00-0419	PR		Hinge Filler Plates For Door Frames.....	23.92	6.84
<b>08 71 11 00-0420 Door Trim (08 71 11)</b>					
<b>08 71 11 00-0421 Floor Stops, Wall Stops And Bumpers (08 71 11 00-0420)</b>					
<b>08 71 11 00-0422 Floor Stops (08 71 11 00-0421)</b>					
<b>08 71 11 00-0423 Aluminum Floor Stops (08 71 11 00-0422)</b>					
08 71 11 00-0424	EA		1-5/16" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS430).....	37.97	17.09
08 71 11 00-0425	EA		1" Overall Height, 3/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS436).....	41.72	17.09
08 71 11 00-0426	EA		1-3/8" Overall Height, 9/16" Base Height, Satin Aluminum Finish, Aluminum Dome Floor Stop (Ives FS438).....	43.15	17.09
08 71 11 00-0427	EA		2-1/8" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS441).....	64.94	17.09
08 71 11 00-0428	EA		3" Overall Height, Satin Aluminum Finish, Aluminum Floor Stop (Ives FS444/448).....	67.54	17.09
<b>08 71 11 00-0429 Brass Floor Stops (08 71 11 00-0422)</b>					



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 71 11 00-0430	EA	1" Overall Height, 3/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS436)	42.24	17.09
08 71 11 00-0431	EA	1" Overall Height, 3/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS436)	43.68	17.09
08 71 11 00-0432	EA	1" Overall Height, 3/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS436)	43.68	17.09
08 71 11 00-0433	EA	1" Overall Height, 3/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS436)	44.23	17.09
08 71 11 00-0434	EA	1" Overall Height, 3/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS436)	44.97	17.09
08 71 11 00-0435	EA	1" Overall Height, 3/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS436)	44.97	17.09
08 71 11 00-0436	EA	1" Overall Height, 3/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS436)	44.97	17.09
08 71 11 00-0437	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS438)	43.15	17.09
08 71 11 00-0438	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS438)	45.32	17.09
08 71 11 00-0439	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS438)	45.32	17.09
08 71 11 00-0440	EA	1-3/8" Overall Height, 9/16" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS438)	46.17	17.09
08 71 11 00-0441	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS438)	46.90	17.09
08 71 11 00-0442	EA	1-3/8" Overall Height, 9/16" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS438)	46.90	17.09
08 71 11 00-0443	EA	1-3/8" Overall Height, 9/16" Base Height, Satin Nickel Finish, Brass Dome Floor Stop (Ives FS438)	50.32	17.09
08 71 11 00-0444	EA	1" Overall Height, 5/32" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS13)	45.46	17.09
08 71 11 00-0445	EA	1" Overall Height, 5/32" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS13)	45.46	17.09
08 71 11 00-0446	EA	1" Overall Height, 5/32" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS13)	47.83	17.09
08 71 11 00-0447	EA	1" Overall Height, 5/32" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS13)	47.83	17.09
08 71 11 00-0448	EA	1" Overall Height, 5/32" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS13)	47.83	17.09
08 71 11 00-0449	EA	1" Overall Height, 5/32" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS13)	47.83	17.09
08 71 11 00-0450	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Chrome Finish, Brass Dome Floor Stop (Ives FS17)	47.10	17.09
08 71 11 00-0451	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Brass Finish, Brass Dome Floor Stop (Ives FS17)	47.10	17.09
08 71 11 00-0452	EA	1-11/32" Overall Height, 1/2" Base Height, Bright Chrome Finish, Brass Dome Floor Stop (Ives FS17)	49.42	17.09
08 71 11 00-0453	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Brass Finish, Brass Dome Floor Stop (Ives FS17)	49.42	17.09
08 71 11 00-0454	EA	1-11/32" Overall Height, 1/2" Base Height, Satin Bronze Finish, Brass Dome Floor Stop (Ives FS17)	49.42	17.09
08 71 11 00-0455	EA	1-11/32" Overall Height, 1/2" Base Height, Dark Bronze Finish, Brass Dome Floor Stop (Ives FS17)	49.42	17.09
08 71 11 00-0456	EA	2-1/8" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS441)	67.04	17.09
08 71 11 00-0457	EA	2-1/8" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS441)	68.07	17.09
08 71 11 00-0458	EA	2-1/8" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS441)	70.56	17.09
08 71 11 00-0459	EA	2-1/8" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS441)	72.58	17.09
08 71 11 00-0460	EA	2-1/8" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS441)	72.58	17.09
08 71 11 00-0461	EA	2-1/8" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS441)	80.81	17.09
08 71 11 00-0462	EA	2-1/8" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS441)	80.81	17.09
08 71 11 00-0463	EA	3" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS444/448)	77.76	17.09
08 71 11 00-0464	EA	3" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS444/448)	79.22	17.09
08 71 11 00-0465	EA	3" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS444/448)	79.22	17.09
08 71 11 00-0466	EA	3" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS444/448)	79.22	17.09
08 71 11 00-0467	EA	3" Overall Height, Satin Bronze Finish, Brass Floor Stop (Ives FS444/448)	79.22	17.09
08 71 11 00-0468	EA	3" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS444/448)	90.50	17.09
08 71 11 00-0469	EA	3" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS444/448)	90.50	17.09
08 71 11 00-0470	EA	1-5/16" Overall Height, Satin Brass Finish, Brass Floor Stop (Ives FS430)	54.77	17.09
08 71 11 00-0471	EA	1-5/16" Overall Height, Bright Brass Finish, Brass Floor Stop (Ives FS430)	56.65	17.09
08 71 11 00-0472	EA	1-5/16" Overall Height, Satin Chrome Finish, Brass Floor Stop (Ives FS430)	60.89	17.09
08 71 11 00-0473	EA	1-5/16" Overall Height, Bright Chrome Finish, Brass Floor Stop (Ives FS430)	60.89	17.09
08 71 11 00-0474	EA	1-5/16" Overall Height, Dark Bronze Finish, Brass Floor Stop (Ives FS430)	60.89	17.09
08 71 11 00-0475	EA	1-5/16" Overall Height, Satin Nickel Finish, Brass Floor Stop (Ives FS430)	62.15	17.09

**08 71 11 00-0476 Steel Floor Stops (08 71 11 00-0422)**

08 71 11 00-0477	EA	2-5/8" Overall Height, Zinc Plated Finish, Wrought Steel Floor Stop (Ives FS434)	47.45	17.09
08 71 11 00-0478	EA	1-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18S)	117.20	17.09
Note: Includes drilling. Excludes Grout.				
08 71 11 00-0479	EA	3-1/2" Overall Height, Grout In, Molded Rubber Security Floor Stop (Ives FS18L)	123.15	17.09
Note: Includes drilling. Excludes Grout.				

**08 71 11 00-0480 Wall Stops (08 71 11 00-0421)****08 71 11 00-0481 Aluminum Wall Stops (08 71 11 00-0480)**

08 71 11 00-0482	EA	3-3/4" Projection, Residential Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives 60)	18.86	6.84
08 71 11 00-0483	EA	3-3/4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop (Ives WS65)	27.54	10.26

**08 71 11 00-0484 Brass Wall Stops (08 71 11 00-0480)**

08 71 11 00-0485	EA	3-3/4" Projection, Residential Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives 60)	31.63	6.84
08 71 11 00-0486	EA	3-3/4" Projection, Residential Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives 60)	31.63	6.84
08 71 11 00-0487	EA	3-3/4" Projection, Residential Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives 60)	31.63	6.84
08 71 11 00-0488	EA	3-3/4" Projection, Residential Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives 60)	37.19	6.84
08 71 11 00-0489	EA	3-3/4" Projection, Residential Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives 60)	37.72	6.84
08 71 11 00-0490	EA	3-3/4" Projection, Residential Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives 60)	37.72	6.84
08 71 11 00-0491	EA	3-3/4" Projection, Residential Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives 60)	37.72	6.84
08 71 11 00-0492	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS11)	86.86	10.26
08 71 11 00-0493	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS11)	88.82	10.26
08 71 11 00-0494	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS11)	88.82	10.26
08 71 11 00-0495	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS11)	88.82	10.26
08 71 11 00-0496	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS11)	88.82	10.26
08 71 11 00-0497	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS11)	88.82	10.26
08 71 11 00-0498	EA	3-3/4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop (Ives WS443/447)	73.04	10.26
08 71 11 00-0499	EA	3-3/4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop (Ives WS443/447)	83.64	10.26
08 71 11 00-0500	EA	3-3/4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop (Ives WS443/447)	83.64	10.26
08 71 11 00-0501	EA	3-3/4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop (Ives WS443/447)	83.64	10.26
08 71 11 00-0502	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS443/447)	83.64	10.26
08 71 11 00-0503	EA	3-3/4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop (Ives WS443/447)	86.16	10.26
08 71 11 00-0504	EA	3-3/4" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop (Ives WS443/447)	86.16	10.26
08 71 11 00-0505	EA	3-3/4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop (Ives WS33)	138.51	10.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0506			<b>Steel Wall Stops</b> (08 71 11 00-0480)		
08 71 11 00-0507	EA		3" Projection, Residential Spring Type, Bright Brass Finish, Steel Wall Stop (Ives 63) .....	14.76	6.84
08 71 11 00-0508			<b>Hinge Pin Door Stops</b> (08 71 11 00-0421)		
08 71 11 00-0509			<b>Aluminum Hinge Pin Door Stops</b> (08 71 11 00-0508)		
08 71 11 00-0510	EA		Satin Aluminum Finish, Aluminum Hinge Pin Door Stop (Ives 70) .....	30.57	13.68
08 71 11 00-0511			<b>Brass Hinge Pin Door Stops</b> (08 71 11 00-0508)		
08 71 11 00-0512	EA		Satin Brass Finish, Brass Residential Hinge Pin Door Stop (Ives 72) .....	31.19	13.68
08 71 11 00-0513	EA		Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 73) .....	35.05	13.68
08 71 11 00-0514	EA		Satin Chrome Finish, Brass Hinge Pin Door Stop (Ives 70) .....	44.36	13.68
08 71 11 00-0515	EA		Satin Brass Finish, Brass Hinge Pin Door Stop (Ives 70) .....	44.36	13.68
08 71 11 00-0516	EA		Bright Brass Finish, Brass Hinge Pin Door Stop (Ives 70) .....	44.36	13.68
08 71 11 00-0517	EA		Bright Chrome Finish, Brass Hinge Pin Door Stop (Ives 70) .....	48.73	13.68
08 71 11 00-0518	EA		Satin Bronze Finish, Brass Hinge Pin Door Stop (Ives 70) .....	48.73	13.68
08 71 11 00-0519	EA		Dark Bronze Finish, Brass Hinge Pin Door Stop (Ives 70) .....	48.73	13.68
08 71 11 00-0520	EA		Satin Nickel Finish, Brass Hinge Pin Door Stop (Ives 70) .....	48.73	13.68
08 71 11 00-0521			<b>Wall Bumpers</b> (08 71 11 00-0421)		
08 71 11 00-0522			<b>Brass Wall Bumpers</b> (08 71 11 00-0521)		
08 71 11 00-0523	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407) .....	40.28	17.09
08 71 11 00-0524	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407) .....	40.28	17.09
08 71 11 00-0525	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Wrought Brass Wall Bumper (Ives WS406/407) .....	40.28	17.09
08 71 11 00-0526	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Wrought Brass Wall Bumper (Ives WS406/407) .....	40.81	17.09
08 71 11 00-0527	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407) .....	40.81	17.09
08 71 11 00-0528	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Wrought Brass Wall Bumper (Ives WS406/407) .....	40.81	17.09
08 71 11 00-0529	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Wrought Brass Wall Bumper (Ives WS406/407) .....	40.81	17.09
08 71 11 00-0530	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Brass Finish, Cast Brass Wall Bumper (Ives WS401/402) .....	58.73	17.09
08 71 11 00-0531	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402) .....	63.59	17.09
08 71 11 00-0532	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Bright Chrome Finish, Cast Brass Wall Bumper (Ives WS401/402) .....	63.59	17.09
08 71 11 00-0533	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Brass Finish, Cast Brass Wall Bumper (Ives WS401/402) .....	63.59	17.09
08 71 11 00-0534	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402) .....	63.59	17.09
08 71 11 00-0535	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Dark Bronze Finish, Cast Brass Wall Bumper (Ives WS401/402) .....	63.59	17.09
08 71 11 00-0536	EA		2-1/2" Base Diameter, Convex Or Concave Rubber Insert, Satin Nickel Finish, Cast Brass Wall Bumper (Ives WS401/402) .....	64.67	17.09
08 71 11 00-0537			<b>Rubber Wall Bumpers</b> (08 71 11 00-0521)		
08 71 11 00-0538	EA		1-7/8" Base Diameter, Adhesive-Backed, Concave Rubber Wall Bumper (Ives WS411R-W) .....	38.35	17.09
08 71 11 00-0539			<b>Holdings</b> (08 71 11 00-0420)		
08 71 11 00-0540			<b>Plunger Type Door Holders</b> (08 71 11 00-0539)		
08 71 11 00-0541			<b>Aluminum Plunger Type Door Holders</b> (08 71 11 00-0540)		
08 71 11 00-0542	EA		Satin Aluminum Finish, Aluminum Plunger Type Door Holder (Ives FS1153) .....	91.69	10.26
08 71 11 00-0543			<b>Brass Plunger Type Door Holders</b> (08 71 11 00-0540)		
08 71 11 00-0544	EA		Satin Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	148.91	10.26
08 71 11 00-0545	EA		Bright Chrome Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	148.91	10.26
08 71 11 00-0546	EA		Satin Brass Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	148.91	10.26
08 71 11 00-0547	EA		Bright Brass Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	148.91	10.26
08 71 11 00-0548	EA		Satin Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	148.91	10.26
08 71 11 00-0549	EA		Dark Bronze Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	148.91	10.26
08 71 11 00-0550	EA		Satin Nickel Finish, Brass Plunger Type Door Holder (Ives FS1154) .....	148.91	10.26
08 71 11 00-0551			<b>Kick Down Door Holders</b> (08 71 11 00-0539)		
08 71 11 00-0552			<b>Aluminum Kick Down Door Holders</b> (08 71 11 00-0551)		
08 71 11 00-0553	EA		Satin Aluminum Finish, Aluminum Kick Down Door Holder (Ives FS455) .....	32.13	10.26
08 71 11 00-0554			<b>Brass Kick Down Door Holders</b> (08 71 11 00-0551)		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0555	EA		Satin Brass Finish, Brass Kick Down Door Holder (Ives FS455) .....	67.71	10.26
08 71 11 00-0556	EA		Bright Brass Finish, Brass Kick Down Door Holder (Ives FS455) .....	67.71	10.26
08 71 11 00-0557	EA		Satin Bronze Finish, Brass Kick Down Door Holder (Ives FS455) .....	67.71	10.26
08 71 11 00-0558	EA		Satin Chrome Finish, Brass Kick Down Door Holder (Ives FS455) .....	76.99	10.26
08 71 11 00-0559	EA		Bright Chrome Finish, Brass Kick Down Door Holder (Ives FS455) .....	76.99	10.26
08 71 11 00-0560	EA		Dark Bronze Finish, Brass Kick Down Door Holder (Ives FS455) .....	76.99	10.26
08 71 11 00-0561	EA		Satin Nickel Finish, Brass Kick Down Door Holder (Ives FS455) .....	79.34	10.26
<b>08 71 11 00-0562</b>			<b>Steel Kick Down Door Holders</b> (08 71 11 00-0551)		
08 71 11 00-0563	EA		Steel Kick Down Door Holder (Ives FS544) .....	39.31	10.26
<b>08 71 11 00-0564</b>			<b>Floor Mounted Door Holders</b> (08 71 11 00-0539)		
<b>08 71 11 00-0565</b>			<b>Brass Floor Mounted Door Holders</b> (08 71 11 00-0564)		
08 71 11 00-0566	EA		Up To 1/2" Door To Floor Clearance, Satin Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	132.65	20.51
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0567	EA		Up To 1/2" Door To Floor Clearance, Satin Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	132.65	20.51
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0568	EA		Up To 1/2" Door To Floor Clearance, Bright Chrome Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	163.48	20.51
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0569	EA		Up To 1/2" Door To Floor Clearance, Bright Brass Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	163.48	20.51
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0570	EA		Up To 1/2" Door To Floor Clearance, Satin Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	163.48	20.51
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
08 71 11 00-0571	EA		Up To 1/2" Door To Floor Clearance, Dark Bronze Finish, Brass Floor Stop And Automatic Door Holder (Ives FS40) .....	163.48	20.51
			For >1/2" To 1-1/16" Door To Floor Clearance, Add	1.78	
			For >1-1/16" To 1-9/16" Door To Floor Clearance, Add	10.53	
			For >1-9/16" To 2-11/16" Door To Floor Clearance, Add	15.80	
<b>08 71 11 00-0572</b>			<b>Wall Mounted Door Holders</b> (08 71 11 00-0539)		
<b>08 71 11 00-0573</b>			<b>Aluminum Wall Mounted Door Holders</b> (08 71 11 00-0572)		
08 71 11 00-0574	EA		4" Projection, Rigid Type, Satin Aluminum Finish, Aluminum Wall Stop And Manual Door Holder (Ives WS20) .....	116.63	11.96
08 71 11 00-0575	EA		Wall Mounted, Satin Aluminum Finish, Aluminum Automatic Door Holder (Ives WS40) .....	171.59	20.51
<b>08 71 11 00-0576</b>			<b>Brass Wall Mounted Door Holders</b> (08 71 11 00-0572)		
08 71 11 00-0577	EA		3-11/16" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449) .....	107.29	11.96
08 71 11 00-0578	EA		3-11/16" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449) .....	124.01	11.96
08 71 11 00-0579	EA		3-11/16" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449) .....	124.01	11.96
08 71 11 00-0580	EA		3-11/16" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449) .....	124.01	11.96
08 71 11 00-0581	EA		3-11/16" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449) .....	124.01	11.96
08 71 11 00-0582	EA		3-11/16" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449) .....	124.01	11.96
08 71 11 00-0583	EA		3-11/16" Projection, Rigid Type, Satin Nickel Finish, Brass Wall Stop And Manual Door Holder (Ives WS445/449) .....	127.94	11.96
08 71 11 00-0584	EA		4" Projection, Rigid Type, Satin Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	121.29	11.96
08 71 11 00-0585	EA		4" Projection, Rigid Type, Bright Chrome Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	144.10	11.96
08 71 11 00-0586	EA		4" Projection, Rigid Type, Satin Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	144.10	11.96
08 71 11 00-0587	EA		4" Projection, Rigid Type, Bright Brass Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	144.10	11.96
08 71 11 00-0588	EA		4" Projection, Rigid Type, Satin Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	144.10	11.96
08 71 11 00-0589	EA		4" Projection, Rigid Type, Dark Bronze Finish, Brass Wall Stop And Manual Door Holder (Ives WS20) .....	144.10	11.96
08 71 11 00-0590	EA		Wall Mounted, Satin Chrome Finish, Brass Automatic Door Holder (Ives WS40) .....	194.35	20.51
08 71 11 00-0591	EA		Wall Mounted, Bright Chrome Finish, Brass Automatic Door Holder (Ives WS40) .....	204.59	20.51
08 71 11 00-0592	EA		Wall Mounted, Satin Brass Finish, Brass Automatic Door Holder (Ives WS40) .....	204.59	20.51
08 71 11 00-0593	EA		Wall Mounted, Bright Brass Finish, Brass Automatic Door Holder (Ives WS40) .....	204.59	20.51
08 71 11 00-0594	EA		Wall Mounted, Satin Bronze Finish, Brass Automatic Door Holder (Ives WS40) .....	204.59	20.51
08 71 11 00-0595	EA		Wall Mounted, Dark Bronze Finish, Brass Automatic Door Holder (Ives WS40) .....	204.59	20.51
<b>08 71 11 00-0596</b>			<b>Overhead Door Holders</b> (08 71 11 00-0539)		
<b>08 71 11 00-0597</b>			<b>Surface Mounted, Overhead Door Holders</b> (08 71 11 00-0596)		
08 71 11 00-0598	EA		Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81) .....	604.07	34.19
			For Hold Open, Add	67.43	
08 71 11 00-0599	EA		Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81) .....	690.16	34.19
			For Hold Open, Add	79.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0600	EA		Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81) ..... <i>For Hold Open, Add</i>	690.16 79.85	34.19
08 71 11 00-0601	EA		Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81) ..... <i>For Hold Open, Add</i>	690.16 79.85	34.19
08 71 11 00-0602	EA		Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop Without Hold Open (Glynn Johnson 81)..... <i>For Hold Open, Add</i>	687.23 79.43	34.19
08 71 11 00-0603	EA		Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Stop (ABH 8021) .....	369.23	34.19
<b>08 71 11 00-0604</b>			<b>Heavy Duty, Surface Mounted, Overhead Door Holders</b> (08 71 11 00-0596) Note: With or without hold open feature.		
08 71 11 00-0605	EA		Heavy Duty, Surface Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	474.07	34.19
08 71 11 00-0606	EA		Heavy Duty, Surface Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	679.62	34.19
08 71 11 00-0607	EA		Heavy Duty, Surface Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	769.22	34.19
08 71 11 00-0608	EA		Heavy Duty, Surface Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 90) .....	769.22	34.19
08 71 11 00-0609	EA		Heavy Duty, Surface Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 90).....	769.22	34.19
<b>08 71 11 00-0610</b>			<b>Concealed Mounted, Overhead Door Holders</b> (08 71 11 00-0596) Note: With or without hold open feature.		
08 71 11 00-0611	EA		Concealed Mounted, Aluminum Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	657.95	34.19
08 71 11 00-0612	EA		Concealed Mounted, Stainless Steel Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	657.95	34.19
08 71 11 00-0613	EA		Concealed Mounted, Dark Bronze Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	693.09	34.19
08 71 11 00-0614	EA		Concealed Mounted, Polished Brass Finish, Overhead Door Holder/Stop (Glynn Johnson 100).....	722.96	34.19
08 71 11 00-0615	EA		Concealed Mounted, Polished Chrome Finish, Overhead Door Holder/Stop (Glynn Johnson 100) .....	722.96	34.19
<b>08 71 11 00-0616</b>			<b>Bolts</b> (08 71 11 00-0420)		
<b>08 71 11 00-0617</b>			<b>Brass Surface Bolts</b> (08 71 11 00-0616)		
08 71 11 00-0618	EA		8" Length, Satin Chrome Finish, Brass Surface Bolt With Strike (Ives SB1640).....	196.52	17.09
08 71 11 00-0619	EA		8" Length, Bright Brass Finish, Brass Surface Bolt With Strike (Ives SB1640).....	210.05	17.09
08 71 11 00-0620	EA		8" Length, Dark Bronze Finish, Brass Surface Bolt With Strike (Ives SB1640).....	210.05	17.09
<b>08 71 11 00-0621</b>			<b>Steel Surface Bolts</b> (08 71 11 00-0616)		
08 71 11 00-0622	EA		8" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	91.70	17.09
08 71 11 00-0623	EA		8" Length, Bright Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	91.70	17.09
08 71 11 00-0624	EA		8" Length, Satin Brass Finish, Steel Surface Bolt With Strike (Ives SB453).....	91.70	17.09
08 71 11 00-0625	EA		8" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	103.53	17.09
08 71 11 00-0626	EA		8" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	105.23	17.09
08 71 11 00-0627	EA		8" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	108.59	17.09
08 71 11 00-0628	EA		12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB453).....	106.89	17.09
08 71 11 00-0629	EA		12" Length, Satin Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	111.99	17.09
08 71 11 00-0630	EA		12" Length, Dark Bronze Finish, Steel Surface Bolt With Strike (Ives SB453).....	118.75	17.09
08 71 11 00-0631	EA		12" Length, Satin Chrome Finish, Steel Surface Bolt With Strike (Ives SB453).....	123.82	17.09
08 71 11 00-0632	EA		12" Length, Zinc Plated Finish, Steel Surface Bolt With Strike (Ives SB360).....	191.46	17.09
<b>08 71 11 00-0633</b>			<b>Door Viewer</b> (08 71 11 00-0420)		
<b>08 71 11 00-0634</b>			<b>Brass Door Viewer</b> (08 71 11 00-0633)		
08 71 11 00-0635	EA		120 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U700).....	50.32	17.09
08 71 11 00-0636	EA		120 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U700) .....	50.32	17.09
08 71 11 00-0637	EA		120 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U700).....	50.32	17.09
08 71 11 00-0638	EA		150 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Door Viewer (Ives U696).....	57.88	17.09
08 71 11 00-0639	EA		150 Degree Angle Of View, Dark Bronze Finish, Brass One-Way Door Viewer (Ives U696).....	57.88	17.09
08 71 11 00-0640	EA		150 Degree Angle Of View, Satin Brass Finish, Brass One-Way Door Viewer (Ives U696) .....	57.88	17.09
08 71 11 00-0641	EA		190 Degree Angle Of View, Satin Chrome Finish, Brass One-Way Wide Angle Door Viewer (Ives U698) .....	67.19	17.09
08 71 11 00-0642	EA		190 Degree Angle Of View, Bright Brass Finish, Brass One-Way Wide Angle Door Viewer (Ives U698).....	67.19	17.09
<b>08 71 11 00-0643</b>			<b>Door Knockers</b> (08 71 11 00-0420)		
<b>08 71 11 00-0644</b>			<b>Brass Door Knockers</b> (08 71 11 00-0643)		
08 71 11 00-0645	EA		5-15/16" Length, 3" Width, Bright Brass Finish, Brass Door Knocker (Ives 3125).....	73.63	17.09
08 71 11 00-0646	EA		5-15/16" Length, 3" Width, Satin Chrome Finish, Brass Door Knocker (Ives 3125).....	80.81	17.09
08 71 11 00-0647	EA		5-15/16" Length, 3" Width, Bright Chrome Finish, Brass Door Knocker (Ives 3125).....	80.81	17.09
08 71 11 00-0648	EA		5-15/16" Length, 3" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3125).....	80.81	17.09
08 71 11 00-0649	EA		8-1/2" Length, 4-1/8" Width, Bright Brass Finish, Brass Door Knocker (Ives 3107).....	108.04	17.09
08 71 11 00-0650	EA		8-1/2" Length, 4-1/8" Width, Satin Nickel Finish, Brass Door Knocker (Ives 3107).....	125.34	17.09
<b>08 71 11 00-0651</b>			<b>Hasps</b> (08 71 11 00-0420)		
08 71 11 00-0652	EA		3-1/4", Zinc Plated Finish, Steel Hasp Assembly .....	35.58	12.90
08 71 11 00-0653	EA		4-1/2", Zinc Plated Finish, Steel Hasp Assembly .....	37.92	13.68
08 71 11 00-0654	EA		6", Zinc Plated Finish, Steel Hasp Assembly .....	47.93	15.38
08 71 11 00-0655	EA		6", Zinc Plated Finish, Steel High Security Hasp Assembly .....	185.67	18.47
<b>08 71 11 00-0656</b>			<b>Flush Bolts</b> (08 71 11 00-0420)		
<b>08 71 11 00-0657</b>			<b>Flush Bolts For Metal Doors</b> (08 71 11 00-0656)		
<b>08 71 11 00-0658</b>			<b>Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0657)		



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-0659		<b>Manual, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0658) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.			
08 71 11 00-0660	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Metal Doors (Ives FB457/458) .....	71.41		17.09
08 71 11 00-0661		<b>Automatic, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0658) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0662	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31T) .....	142.13		17.09
08 71 11 00-0663	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31B) .....	142.13		17.09
08 71 11 00-0664	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Metal Doors (Ives FB31P) .....	246.46		27.35
08 71 11 00-0665	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Metal Doors (Ives FB32) .....	252.41		23.93
08 71 11 00-0666	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Brass Flush Bolt For Metal Doors (Ives FB33) .....	262.60		25.64
08 71 11 00-0667		<b>Constant Latching, Brass Flush Bolts For Metal Doors</b> (08 71 11 00-0658) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0668	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51T) .....	167.62		17.09
08 71 11 00-0669	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB51P) .....	310.38		27.35
08 71 11 00-0670	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB52) .....	303.54		23.93
08 71 11 00-0671	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Brass Flush Bolt For Metal Doors (Ives FB53) .....	315.42		25.64
08 71 11 00-0672		<b>Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0657)			
08 71 11 00-0673		<b>Automatic, Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0672) Note: Includes stainless steel construction with bright or satin finish.			
08 71 11 00-0674	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31T) .....	142.13		17.09
08 71 11 00-0675	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31B) .....	142.13		17.09
08 71 11 00-0676	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB31P) .....	246.46		27.35
08 71 11 00-0677	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB32) .....	252.41		23.93
08 71 11 00-0678	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB33) .....	262.60		25.64
08 71 11 00-0679		<b>Constant Latching, Stainless Steel Flush Bolts For Metal Doors</b> (08 71 11 00-0672) Note: Includes stainless steel construction with bright or satin finish.			
08 71 11 00-0680	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51T) .....	167.62		17.09
08 71 11 00-0681	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB51P) .....	310.38		27.35
08 71 11 00-0682	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB52) .....	303.54		23.93
08 71 11 00-0683	EA	Top Bolt With Auxiliary Fire Latch And Retrofit Plate, Constant Latching, Stainless Steel Flush Bolt For Metal Doors (Ives FB53) .....	315.42		25.64
08 71 11 00-0684		<b>Flush Bolts For Wood Doors</b> (08 71 11 00-0656)			
08 71 11 00-0685		<b>Brass Flush Bolts For Wood Doors</b> (08 71 11 00-0684)			
08 71 11 00-0686		<b>Manual, Brass Flush Bolts For Wood Doors</b> (08 71 11 00-0685) Note: Includes brass construction with bright brass, satin brass, satin bronze, dark bronze, satin nickel, bright chrome or satin chrome finish.			
08 71 11 00-0687	EA	Top Or Bottom Bolt, Manual, Brass Flush Bolt For Wood Doors (Ives FB358) .....	84.06		17.09
08 71 11 00-0688		<b>Automatic, Brass Flush Bolts For Wood Doors</b> (08 71 11 00-0685) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0689	EA	Top Bolt Only, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41T) .....	175.71		17.09
08 71 11 00-0690	EA	Bottom Bolt Only, Automatic, Brass Flush Bolt For Metal Doors (Ives FB41B) .....	175.71		17.09
08 71 11 00-0691	EA	Top And Bottom Bolt, Automatic, Brass Flush Bolt For Wood Doors (Ives FB41P) .....	324.58		27.35
08 71 11 00-0692	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Brass Flush Bolt For Wood Doors (Ives FB42) .....	317.74		23.93
08 71 11 00-0693		<b>Constant Latching, Brass Flush Bolts For Wood Doors</b> (08 71 11 00-0685) Note: Includes brass construction with bright brass, satin brass, satin bronze or dark bronze finish.			
08 71 11 00-0694	EA	Top Bolt Only, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61T) .....	174.39		17.09
08 71 11 00-0695	EA	Top And Bottom Bolt, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB61P) .....	324.58		27.35
08 71 11 00-0696	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Brass Flush Bolt For Wood Doors (Ives FB62) .....	317.74		23.93
08 71 11 00-0697		<b>Stainless Steel Flush Bolts For Wood Doors</b> (08 71 11 00-0684)			
08 71 11 00-0698		<b>Automatic, Stainless Steel Flush Bolts For Wood Doors</b> (08 71 11 00-0697) Note: Includes stainless steel construction with bright or satin finish.			
08 71 11 00-0699	EA	Top Bolt Only, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41T) .....	175.71		17.09
08 71 11 00-0700	EA	Bottom Bolt Only, Automatic, Stainless Steel Flush Bolt For Metal Doors (Ives FB41B) .....	175.71		17.09
08 71 11 00-0701	EA	Top And Bottom Bolt, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB41P) .....	324.58		27.35
08 71 11 00-0702	EA	Top Bolt With Auxiliary Fire Latch, Automatic, Stainless Steel Flush Bolt For Wood Doors (Ives FB42) .....	317.74		23.93
08 71 11 00-0703		<b>Constant Latching, Stainless Steel Flush Bolts For Wood Doors</b> (08 71 11 00-0697) Note: Includes stainless steel construction with bright or satin finish.			
08 71 11 00-0704	EA	Top Bolt Only, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61T) .....	174.39		17.09
08 71 11 00-0705	EA	Top And Bottom Bolt, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB61P) .....	324.58		27.35
08 71 11 00-0706	EA	Top Bolt With Auxiliary Fire Latch, Constant Latching, Stainless Steel Flush Bolt For Wood Doors (Ives FB62) .....	317.74		23.93



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-0707 Dust Proof Strikes (08 71 11 00-0656)					
08 71 11 00-0708	EA		Satin Brass Finish, Brass Dust Proof Strike (Ives DP1).....	63.54	13.68
08 71 11 00-0709	EA		Satin Chrome Finish, Brass Dust Proof Strike (Ives DP1).....	63.54	13.68
08 71 11 00-0710	EA		Bright Brass Finish, Brass Dust Proof Strike (Ives DP1).....	63.54	13.68
08 71 11 00-0711	EA		Satin Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	63.54	13.68
08 71 11 00-0712	EA		Dark Bronze Finish, Brass Dust Proof Strike (Ives DP1).....	63.54	13.68
08 71 11 00-0713	EA		Satin Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	73.00	13.68
08 71 11 00-0714	EA		Satin Chrome Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	73.00	13.68
08 71 11 00-0715	EA		Satin Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	73.00	13.68
08 71 11 00-0716	EA		Bright Brass Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	73.00	13.68
08 71 11 00-0717	EA		Dark Bronze Finish, Brass Dust Proof Strike With Plate (Ives DP2).....	73.00	13.68

**08 71 11 00-0718 Roller Bumpers (08 71 11 00-0420)**

**08 71 11 00-0719 Brass Roller Bumpers (08 71 11 00-0718)**

08 71 11 00-0720	EA	5"	Length, Bright Brass Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	65.90	10.26
08 71 11 00-0721	EA	5"	Length, Satin Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	77.20	10.26
08 71 11 00-0722	EA	5"	Length, Bright Chrome Finish, Brass Offset Arm Roller Bumper (Ives RB470).....	77.20	10.26
08 71 11 00-0723	EA	4-1/2"	Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	63.35	10.26
08 71 11 00-0724	EA	4-1/2"	Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	71.96	10.26
08 71 11 00-0725	EA	4-1/2"	Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	71.96	10.26
08 71 11 00-0726	EA	4-1/2"	Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB471).....	71.96	10.26
08 71 11 00-0727	EA	6"	Length, Bright Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	66.07	10.26
08 71 11 00-0728	EA	6"	Length, Satin Nickel Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	72.16	10.26
08 71 11 00-0729	EA	6"	Length, Satin Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	75.03	10.26
08 71 11 00-0730	EA	6"	Length, Bright Chrome Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	75.03	10.26
08 71 11 00-0731	EA	6"	Length, Satin Brass Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	75.03	10.26
08 71 11 00-0732	EA	6"	Length, Satin Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	75.03	10.26
08 71 11 00-0733	EA	6"	Length, Dark Bronze Finish, Brass Straight Arm Roller Bumper (Ives RB472).....	75.03	10.26

**08 71 11 00-0734 Other Door Trim (08 71 11 00-0420)**

**08 71 11 00-0735 Coat And Hat Hooks (08 71 11 00-0734)**

**08 71 11 00-0736 Aluminum Coat And Hat Hooks (08 71 11 00-0735)**

08 71 11 00-0737	EA	1-1/4"	Height, 1-1/4" Width, Bright Brass Finish, Aluminum Wardrobe Hook (Ives 581).....	23.68	10.26
08 71 11 00-0738	EA	1-1/4"	Height, 1-1/4" Width, Aluminum Finish, Aluminum Wardrobe Hook (Ives 581).....	23.68	10.26
08 71 11 00-0739	EA	1-1/4"	Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Wardrobe Hook (Ives 581).....	23.89	10.26
08 71 11 00-0740	EA	1-3/4"	Height, 1-1/4" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 571).....	23.54	10.26
08 71 11 00-0741	EA	1-3/4"	Height, 1-1/4" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 571).....	23.54	10.26
08 71 11 00-0742	EA	1-3/4"	Height, 1-1/4" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 571).....	23.54	10.26
08 71 11 00-0743	EA	1-3/4"	Height, 1-1/4" Width, Satin Nickel Finish, Aluminum Coat And Hat Hook (Ives 571).....	23.89	10.26
08 71 11 00-0744	EA	1-1/2"	Height, 2-1/2" Width, Satin Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.94	10.26
08 71 11 00-0745	EA	1-1/2"	Height, 2-1/2" Width, Bright Brass Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.94	10.26
08 71 11 00-0746	EA	1-1/2"	Height, 2-1/2" Width, Satin Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.94	10.26
08 71 11 00-0747	EA	1-1/2"	Height, 2-1/2" Width, Dark Bronze Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.94	10.26
08 71 11 00-0748	EA	1-1/2"	Height, 2-1/2" Width, Aluminum Finish, Aluminum Coat And Hat Hook (Ives 405).....	24.94	10.26

**08 71 11 00-0749 Brass Coat And Hat Hooks (08 71 11 00-0735)**

08 71 11 00-0750	EA	1-1/4"	Height, 1-1/4" Width, Bright Brass Finish, Brass Wardrobe Hook (Ives 581).....	29.42	10.26
08 71 11 00-0751	EA	1-1/4"	Height, 1-1/4" Width, Satin Brass Finish, Brass Wardrobe Hook (Ives 581).....	29.98	10.26
08 71 11 00-0752	EA	1-1/4"	Height, 1-1/4" Width, Dark Bronze Finish, Brass Wardrobe Hook (Ives 581).....	30.86	10.26
08 71 11 00-0753	EA	1-1/4"	Height, 1-1/4" Width, Satin Chrome Finish, Brass Wardrobe Hook (Ives 581).....	30.86	10.26
08 71 11 00-0754	EA	1-1/4"	Height, 1-1/4" Width, Satin Nickel Finish, Brass Wardrobe Hook (Ives 581).....	31.41	10.26
08 71 11 00-0755	EA	1-3/4"	Height, 1-1/4" Width, Bright Brass Finish, Brass Coat And Hat Hook (Ives 571).....	33.20	10.26
08 71 11 00-0756	EA	1-3/4"	Height, 1-1/4" Width, Satin Brass Finish, Brass Coat And Hat Hook (Ives 571).....	35.72	10.26
08 71 11 00-0757	EA	1-3/4"	Height, 1-1/4" Width, Dark Bronze Finish, Brass Coat And Hat Hook (Ives 571).....	35.72	10.26
08 71 11 00-0758	EA	1-3/4"	Height, 1-1/4" Width, Satin Chrome Finish, Brass Coat And Hat Hook (Ives 571).....	35.72	10.26
08 71 11 00-0759	EA	1-3/4"	Height, 1-1/4" Width, Satin Nickel Finish, Brass Coat And Hat Hook (Ives 571).....	36.27	10.26

**08 71 11 00-0760 Door Plates And Pulls (08 71 11)**

**08 71 11 00-0761 Kick Plate (08 71 11 00-0760)**  
 Note: Ives 8400.

**08 71 11 00-0762 Aluminum Base Material Kick Plate (08 71 11 00-0761)**

**08 71 11 00-0763 Satin Aluminum Finish, Aluminum Kick Plate (08 71 11 00-0762)**

08 71 11 00-0764	EA	8" x 22"	0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	69.01	10.26
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	
08 71 11 00-0765	EA	8" x 24"	0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	71.59	10.26
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	
08 71 11 00-0766	EA	8" x 26"	0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	74.11	10.26
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	
08 71 11 00-0767	EA	8" x 28"	0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	76.66	10.26
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	
08 71 11 00-0768	EA	8" x 30"	0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate.....	81.97	10.94
			For Four Beveled Edges, Add.....	1.76	
			For UL Label (Fire Rated), Add.....	11.40	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-0769	EA	8" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.46	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0770	EA	8" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.01	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0771	EA	8" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.56	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0772	EA	8" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.84	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0773	EA	8" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.39	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0774	EA	8" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	99.91	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0775	EA	8" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	105.24	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0776	EA	8" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.79	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0777	EA	8" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.31	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0778	EA	10" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	76.05	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0779	EA	10" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.24	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0780	EA	10" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.38	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0781	EA	10" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	85.57	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0782	EA	10" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.49	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0783	EA	10" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.66	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0784	EA	10" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.85	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0785	EA	10" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.02	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0786	EA	10" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.94	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0787	EA	10" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.11	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0788	EA	10" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	113.30	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0789	EA	10" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.24	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0790	EA	10" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	122.38	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0791	EA	10" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.57	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0792	EA	12" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.05	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0793	EA	12" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.83	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0794	EA	12" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.70	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0795	EA	12" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.45	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0796	EA	12" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.02	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0797	EA	12" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.83	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0798	EA	12" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	108.64	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0799	EA		12" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	112.48 1.76 11.40	10.94
08 71 11 00-0800	EA		12" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	119.01 1.76 11.40	11.63
08 71 11 00-0801	EA		12" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.82 1.76 11.40	11.63
08 71 11 00-0802	EA		12" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	126.66 1.76 11.40	11.63
08 71 11 00-0803	EA		12" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	133.22 1.76 11.40	12.30
08 71 11 00-0804	EA		12" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	137.03 1.76 11.40	12.30
08 71 11 00-0805	EA		12" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	140.87 1.76 11.40	12.30
08 71 11 00-0806	EA		14" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	92.73 1.76 11.40	10.94
08 71 11 00-0807	EA		14" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	97.18 1.76 11.40	10.94
08 71 11 00-0808	EA		14" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	101.69 1.76 11.40	10.94
08 71 11 00-0809	EA		14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	106.15 1.76 11.40	10.94
08 71 11 00-0810	EA		14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	113.30 1.76 11.40	11.63
08 71 11 00-0811	EA		14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	117.75 1.76 11.40	11.63
08 71 11 00-0812	EA		14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	122.21 1.76 11.40	11.63
08 71 11 00-0813	EA		14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	126.66 1.76 11.40	11.63
08 71 11 00-0814	EA		14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	133.87 1.76 11.40	12.30
08 71 11 00-0815	EA		14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	138.29 1.76 11.40	12.30
08 71 11 00-0816	EA		14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	142.75 1.76 11.40	12.30
08 71 11 00-0817	EA		14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	149.93 1.76 11.40	12.99
08 71 11 00-0818	EA		14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	154.41 1.76 11.40	12.99
08 71 11 00-0819	EA		14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	158.87 1.76 11.40	12.99
08 71 11 00-0820	EA		16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	99.76 1.76 11.40	10.94
08 71 11 00-0821	EA		16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	104.83 1.76 11.40	10.94
08 71 11 00-0822	EA		16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	109.96 1.76 11.40	10.94
08 71 11 00-0823	EA		16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	115.02 1.76 11.40	10.94
08 71 11 00-0824	EA		16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	117.75 1.76 11.40	11.63
08 71 11 00-0825	EA		16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	127.95 1.76 11.40	11.63
08 71 11 00-0826	EA		16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	133.05 1.76 11.40	11.63
08 71 11 00-0827	EA		16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	138.12 1.76 11.40	11.63
08 71 11 00-0828	EA		16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	145.94 1.76 11.40	12.30

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-0829	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	151.07	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0830	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	156.14	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0831	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	163.94	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0832	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	169.04	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0833	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	174.16	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0834	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.78	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0835	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.87	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0836	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	122.97	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0837	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	129.06	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0838	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	137.86	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0839	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	143.95	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0840	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.05	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0841	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	156.14	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0842	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	164.99	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0843	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	171.08	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0844	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	177.18	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0845	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	186.00	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0846	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	192.10	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0847	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	198.19	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0848	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	120.95	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0849	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	127.72	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0850	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	134.49	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0851	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	141.26	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0852	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	150.77	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0853	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	157.54	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0854	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	164.31	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0855	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	171.08	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0856	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	180.58	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0857	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	187.35	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-0858	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	194.12	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0859	EA		20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	203.62 6.30 11.40	13.68
08 71 11 00-0860	EA		20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	210.39 6.30 11.40	13.68
08 71 11 00-0861	EA		20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	217.16 6.30 11.40	13.68
08 71 11 00-0862	EA		22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	128.39 6.30 11.40	11.63
08 71 11 00-0863	EA		22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	135.83 6.30 11.40	11.63
08 71 11 00-0864	EA		22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.28 6.30 11.40	11.63
08 71 11 00-0865	EA		22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	150.72 6.30 11.40	11.63
08 71 11 00-0866	EA		22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.94 6.30 11.40	12.30
08 71 11 00-0867	EA		22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	168.39 6.30 11.40	12.30
08 71 11 00-0868	EA		22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	175.83 6.30 11.40	12.30
08 71 11 00-0869	EA		22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.27 6.30 11.40	12.30
08 71 11 00-0870	EA		22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	193.44 6.30 11.40	12.99
08 71 11 00-0871	EA		22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	200.89 6.30 11.40	12.99
08 71 11 00-0872	EA		22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	208.33 6.30 11.40	12.99
08 71 11 00-0873	EA		22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	218.50 6.30 11.40	13.68
08 71 11 00-0874	EA		22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	225.95 6.30 11.40	13.68
08 71 11 00-0875	EA		22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	233.39 6.30 11.40	13.68
08 71 11 00-0876	EA		24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	135.83 6.30 11.40	11.63
08 71 11 00-0877	EA		24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.95 6.30 11.40	11.63
08 71 11 00-0878	EA		24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	152.10 6.30 11.40	11.63
08 71 11 00-0879	EA		24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.21 6.30 11.40	11.63
08 71 11 00-0880	EA		24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	171.08 6.30 11.40	12.30
08 71 11 00-0881	EA		24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	179.20 6.30 11.40	12.30
08 71 11 00-0882	EA		24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	187.32 6.30 11.40	12.30
08 71 11 00-0883	EA		24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	195.46 6.30 11.40	12.30
08 71 11 00-0884	EA		24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	206.31 6.30 11.40	12.99
08 71 11 00-0885	EA		24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	214.43 6.30 11.40	12.99
08 71 11 00-0886	EA		24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	222.54 6.30 11.40	12.99
08 71 11 00-0887	EA		24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	233.39 6.30 11.40	13.68
08 71 11 00-0888	EA		24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	241.54 6.30 11.40	13.68



## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0889	EA		24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.65 6.30 11.40	13.68
08 71 11 00-0890			Brass Base Material Kick Plate <small>(08 71 11 00-0761)</small>		
08 71 11 00-0891			Bright/Satin Brass Finish, Brass Kick Plate <small>(08 71 11 00-0890)</small>		
08 71 11 00-0892	EA		8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	134.06 1.76 11.40	10.26
08 71 11 00-0893	EA		8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	142.50 1.76 11.40	10.26
08 71 11 00-0894	EA		8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	150.98 1.76 11.40	10.26
08 71 11 00-0895	EA		8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	159.43 1.76 11.40	10.26
08 71 11 00-0896	EA		8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	170.60 1.76 11.40	10.94
08 71 11 00-0897	EA		8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.11 1.76 11.40	10.94
08 71 11 00-0898	EA		8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	187.56 1.76 11.40	10.94
08 71 11 00-0899	EA		8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	196.00 1.76 11.40	10.94
08 71 11 00-0900	EA		8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.18 1.76 11.40	11.63
08 71 11 00-0901	EA		8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.62 1.76 11.40	11.63
08 71 11 00-0902	EA		8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	224.07 1.76 11.40	11.63
08 71 11 00-0903	EA		8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	235.27 1.76 11.40	12.30
08 71 11 00-0904	EA		8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	243.77 1.76 11.40	12.30
08 71 11 00-0905	EA		8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	252.22 1.76 11.40	12.30
08 71 11 00-0906	EA		10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	157.34 1.76 11.40	10.26
08 71 11 00-0907	EA		10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.87 1.76 11.40	10.26
08 71 11 00-0908	EA		10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	178.47 1.76 11.40	10.26
08 71 11 00-0909	EA		10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.03 1.76 11.40	10.26
08 71 11 00-0910	EA		10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.30 1.76 11.40	10.94
08 71 11 00-0911	EA		10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	212.89 1.76 11.40	10.94
08 71 11 00-0912	EA		10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.49 1.76 11.40	10.94
08 71 11 00-0913	EA		10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.05 1.76 11.40	10.94
08 71 11 00-0914	EA		10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	247.32 1.76 11.40	11.63
08 71 11 00-0915	EA		10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.92 1.76 11.40	11.63
08 71 11 00-0916	EA		10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.51 1.76 11.40	11.63
08 71 11 00-0917	EA		10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	281.80 1.76 11.40	12.30
08 71 11 00-0918	EA		10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.39 1.76 11.40	12.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0919	EA		10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	302.96 1.76 11.40	12.30
08 71 11 00-0920	EA		12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.53 1.76 11.40	10.26
08 71 11 00-0921	EA		12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.27 1.76 11.40	10.26
08 71 11 00-0922	EA		12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.93 1.76 11.40	10.26
08 71 11 00-0923	EA		12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.61 1.76 11.40	10.26
08 71 11 00-0924	EA		12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	234.05 1.76 11.40	10.94
08 71 11 00-0925	EA		12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	246.74 1.76 11.40	10.94
08 71 11 00-0926	EA		12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	259.42 1.76 11.40	10.94
08 71 11 00-0927	EA		12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.08 1.76 11.40	10.94
08 71 11 00-0928	EA		12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	287.55 1.76 11.40	11.63
08 71 11 00-0929	EA		12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	300.21 1.76 11.40	11.63
08 71 11 00-0930	EA		12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.89 1.76 11.40	11.63
08 71 11 00-0931	EA		12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.32 1.76 11.40	12.30
08 71 11 00-0932	EA		12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	340.98 1.76 11.40	12.30
08 71 11 00-0933	EA		12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	353.72 1.76 11.40	12.30
08 71 11 00-0934	EA		14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	206.57 1.76 11.40	10.94
08 71 11 00-0935	EA		14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.34 1.76 11.40	10.94
08 71 11 00-0936	EA		14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.14 1.76 11.40	10.94
08 71 11 00-0937	EA		14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.98 1.76 11.40	10.94
08 71 11 00-0938	EA		14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.51 1.76 11.40	11.63
08 71 11 00-0939	EA		14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.31 1.76 11.40	11.63
08 71 11 00-0940	EA		14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	298.09 1.76 11.40	11.63
08 71 11 00-0941	EA		14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	312.89 1.76 11.40	11.63
08 71 11 00-0942	EA		14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	330.44 1.76 11.40	12.30
08 71 11 00-0943	EA		14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.25 1.76 11.40	12.30
08 71 11 00-0944	EA		14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	360.02 1.76 11.40	12.30
08 71 11 00-0945	EA		14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	377.55 1.76 11.40	12.99
08 71 11 00-0946	EA		14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	392.39 1.76 11.40	12.99
08 71 11 00-0947	EA		14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	407.19 1.76 11.40	12.99
08 71 11 00-0948	EA		16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	288.88 1.76 11.40	10.94

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0949	EA		16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	311.22 1.76 11.40	10.94
08 71 11 00-0950	EA		16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.50 1.76 11.40	10.94
08 71 11 00-0951	EA		16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	355.75 1.76 11.40	10.94
08 71 11 00-0952	EA		16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	380.76 1.76 11.40	11.63
08 71 11 00-0953	EA		16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	403.06 1.76 11.40	11.63
08 71 11 00-0954	EA		16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	425.37 1.76 11.40	11.63
08 71 11 00-0955	EA		16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	447.59 1.76 11.40	11.63
08 71 11 00-0956	EA		16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	472.68 1.76 11.40	12.30
08 71 11 00-0957	EA		16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	494.99 1.76 11.40	12.30
08 71 11 00-0958	EA		16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	517.27 1.76 11.40	12.30
08 71 11 00-0959	EA		16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	542.24 1.76 11.40	12.99
08 71 11 00-0960	EA		16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	564.52 1.76 11.40	12.99
08 71 11 00-0961	EA		16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	586.83 1.76 11.40	12.99
08 71 11 00-0962	EA		18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	319.05 6.30 11.40	10.94
08 71 11 00-0963	EA		18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	344.06 6.30 11.40	10.94
08 71 11 00-0964	EA		18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	369.05 6.30 11.40	10.94
08 71 11 00-0965	EA		18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	394.12 6.30 11.40	10.94
08 71 11 00-0966	EA		18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	421.87 6.30 11.40	11.63
08 71 11 00-0967	EA		18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	446.86 6.30 11.40	11.63
08 71 11 00-0968	EA		18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	471.93 6.30 11.40	11.63
08 71 11 00-0969	EA		18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	496.92 6.30 11.40	11.63
08 71 11 00-0970	EA		18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	524.74 6.30 11.40	12.30
08 71 11 00-0971	EA		18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	549.76 6.30 11.40	12.30
08 71 11 00-0972	EA		18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	574.74 6.30 11.40	12.30
08 71 11 00-0973	EA		18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	602.55 6.30 11.40	12.99
08 71 11 00-0974	EA		18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	627.53 6.30 11.40	12.99
08 71 11 00-0975	EA		18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	652.55 6.30 11.40	12.99
08 71 11 00-0976	EA		20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	352.36 6.30 11.40	11.63
08 71 11 00-0977	EA		20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	380.14 6.30 11.40	11.63
08 71 11 00-0978	EA		20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	407.98 6.30 11.40	11.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0979	EA		20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	435.73 6.30 11.40	11.63
08 71 11 00-0980	EA		20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	466.32 6.30 11.40	12.30
08 71 11 00-0981	EA		20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	494.13 6.30 11.40	12.30
08 71 11 00-0982	EA		20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	521.92 6.30 11.40	12.30
08 71 11 00-0983	EA		20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	549.76 6.30 11.40	12.30
08 71 11 00-0984	EA		20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	580.24 6.30 11.40	12.99
08 71 11 00-0985	EA		20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	608.08 6.30 11.40	12.99
08 71 11 00-0986	EA		20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	635.89 6.30 11.40	12.99
08 71 11 00-0987	EA		20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	666.40 6.30 11.40	13.68
08 71 11 00-0988	EA		20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	694.24 6.30 11.40	13.68
08 71 11 00-0989	EA		20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	722.00 6.30 11.40	13.68
08 71 11 00-0990	EA		22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	382.96 6.30 11.40	11.63
08 71 11 00-0991	EA		22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.51 6.30 11.40	11.63
08 71 11 00-0992	EA		22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	444.09 6.30 11.40	11.63
08 71 11 00-0993	EA		22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	474.70 6.30 11.40	11.63
08 71 11 00-0994	EA		22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	508.02 6.30 11.40	12.30
08 71 11 00-0995	EA		22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	538.63 6.30 11.40	12.30
08 71 11 00-0996	EA		22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	569.21 6.30 11.40	12.30
08 71 11 00-0997	EA		22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	599.82 6.30 11.40	12.30
08 71 11 00-0998	EA		22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	633.09 6.30 11.40	12.99
08 71 11 00-0999	EA		22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	663.67 6.30 11.40	12.99
08 71 11 00-1000	EA		22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	694.28 6.30 11.40	12.99
08 71 11 00-1001	EA		22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	727.59 6.30 11.40	13.68
08 71 11 00-1002	EA		22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	758.19 6.30 11.40	13.68
08 71 11 00-1003	EA		22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	788.71 6.30 11.40	13.68
08 71 11 00-1004	EA		24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	413.51 6.30 11.40	11.63
08 71 11 00-1005	EA		24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	446.86 6.30 11.40	11.63
08 71 11 00-1006	EA		24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	480.26 6.30 11.40	11.63
08 71 11 00-1007	EA		24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	513.63 6.30 11.40	11.63
08 71 11 00-1008	EA		24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	549.76 6.30 11.40	12.30

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 71 11 00-1009	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	583.10	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1010	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	616.47	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1011	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	651.67	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1012	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	685.92	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1013	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	719.27	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1014	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	752.64	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1015	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	788.71	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1016	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	822.15	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1017	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate.....	855.49	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

**08 71 11 00-1018 Bright/Satin Chrome Finish, Stainless Kick Plate** (08 71 11 00-0890)

08 71 11 00-1019	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	143.92	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1020	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	153.28	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1021	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	162.63	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1022	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	171.99	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1023	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	184.07	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1024	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	193.40	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1025	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	202.76	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1026	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	212.11	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1027	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	224.20	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1028	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	233.59	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1029	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	242.94	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1030	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	255.05	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1031	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	264.40	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1032	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	273.76	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1033	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	169.66	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1034	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	181.34	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1035	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	193.03	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1036	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	204.72	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1037	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	219.17	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1038	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	230.86	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1039	EA		10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	242.54 1.76 11.40	10.94
08 71 11 00-1040	EA		10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	254.23 1.76 11.40	10.94
08 71 11 00-1041	EA		10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.65 1.76 11.40	11.63
08 71 11 00-1042	EA		10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	280.34 1.76 11.40	11.63
08 71 11 00-1043	EA		10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.03 1.76 11.40	11.63
08 71 11 00-1044	EA		10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	306.46 1.76 11.40	12.30
08 71 11 00-1045	EA		10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	318.15 1.76 11.40	12.30
08 71 11 00-1046	EA		10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	329.84 1.76 11.40	12.30
08 71 11 00-1047	EA		12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.36 1.76 11.40	10.26
08 71 11 00-1048	EA		12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.38 1.76 11.40	10.26
08 71 11 00-1049	EA		12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.46 1.76 11.40	10.26
08 71 11 00-1050	EA		12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.48 1.76 11.40	10.26
08 71 11 00-1051	EA		12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	254.23 1.76 11.40	10.94
08 71 11 00-1052	EA		12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	268.28 1.76 11.40	10.94
08 71 11 00-1053	EA		12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.30 1.76 11.40	10.94
08 71 11 00-1054	EA		12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	296.32 1.76 11.40	10.94
08 71 11 00-1055	EA		12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	313.07 1.76 11.40	11.63
08 71 11 00-1056	EA		12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	327.09 1.76 11.40	11.63
08 71 11 00-1057	EA		12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.14 1.76 11.40	11.63
08 71 11 00-1058	EA		12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.91 1.76 11.40	12.30
08 71 11 00-1059	EA		12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	371.99 1.76 11.40	12.30
08 71 11 00-1060	EA		12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	386.01 1.76 11.40	12.30
08 71 11 00-1061	EA		14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	223.80 1.76 11.40	10.94
08 71 11 00-1062	EA		14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.21 1.76 11.40	10.94
08 71 11 00-1063	EA		14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	256.59 1.76 11.40	10.94
08 71 11 00-1064	EA		14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.94 1.76 11.40	10.94
08 71 11 00-1065	EA		14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	292.03 1.76 11.40	11.63
08 71 11 00-1066	EA		14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	308.41 1.76 11.40	11.63
08 71 11 00-1067	EA		14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	324.76 1.76 11.40	11.63
08 71 11 00-1068	EA		14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	341.14 1.76 11.40	11.63

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1069	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	360.30	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1070	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	376.65	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1071	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	393.00	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1072	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	382.60	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1073	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	428.46	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1074	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	444.84	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1075	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	318.13	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1076	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	343.10	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1077	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	368.04	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1078	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	392.98	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1079	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	420.65	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1080	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	445.59	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1081	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	470.56	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1082	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	495.50	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1083	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	523.19	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1084	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	548.13	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1085	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	573.07	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1086	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	600.74	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1087	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	625.68	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1088	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	650.62	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1089	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	351.54	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1090	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	379.55	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1091	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	407.50	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1092	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	435.51	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1093	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	466.19	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1094	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	494.17	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1095	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	522.15	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1096	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	550.13	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1097	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	580.83	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1098	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate.....	608.84	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1099	EA		18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	636.85 6.30 11.40	12.30
08 71 11 00-1100	EA		18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	667.53 6.30 11.40	12.99
08 71 11 00-1101	EA		18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	695.54 6.30 11.40	12.99
08 71 11 00-1102	EA		18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	723.50 6.30 11.40	12.99
08 71 11 00-1103	EA		20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	388.45 6.30 11.40	11.63
08 71 11 00-1104	EA		20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	419.59 6.30 11.40	11.63
08 71 11 00-1105	EA		20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	450.64 6.30 11.40	11.63
08 71 11 00-1106	EA		20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	481.78 6.30 11.40	11.63
08 71 11 00-1107	EA		20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	515.58 6.30 11.40	12.30
08 71 11 00-1108	EA		20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	546.66 6.30 11.40	12.30
08 71 11 00-1109	EA		20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	577.77 6.30 11.40	12.30
08 71 11 00-1110	EA		20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	608.84 6.30 11.40	12.30
08 71 11 00-1111	EA		20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	642.71 6.30 11.40	12.99
08 71 11 00-1112	EA		20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	673.76 6.30 11.40	12.99
08 71 11 00-1113	EA		20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	704.84 6.30 11.40	12.99
08 71 11 00-1114	EA		20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	738.68 6.30 11.40	13.68
08 71 11 00-1115	EA		20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	769.76 6.30 11.40	13.68
08 71 11 00-1116	EA		20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	800.87 6.30 11.40	13.68
08 71 11 00-1117	EA		22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	422.66 6.30 11.40	11.63
08 71 11 00-1118	EA		22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	456.90 6.30 11.40	11.63
08 71 11 00-1119	EA		22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	491.07 6.30 11.40	11.63
08 71 11 00-1120	EA		22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	525.25 6.30 11.40	11.63
08 71 11 00-1121	EA		22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	562.24 6.30 11.40	12.30
08 71 11 00-1122	EA		22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	596.42 6.30 11.40	12.30
08 71 11 00-1123	EA		22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	630.63 6.30 11.40	12.30
08 71 11 00-1124	EA		22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	664.80 6.30 11.40	12.30
08 71 11 00-1125	EA		22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	701.77 6.30 11.40	12.99
08 71 11 00-1126	EA		22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	735.95 6.30 11.40	12.99
08 71 11 00-1127	EA		22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	770.16 6.30 11.40	12.99
08 71 11 00-1128	EA		22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	807.07 6.30 11.40	13.68

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1129	EA		22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	841.25 6.30 11.40	13.68
08 71 11 00-1130	EA		22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	875.48 6.30 11.40	13.68
08 71 11 00-1131	EA		24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	456.90 6.30 11.40	11.63
08 71 11 00-1132	EA		24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	494.17 6.30 11.40	11.63
08 71 11 00-1133	EA		24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	531.48 6.30 11.40	11.63
08 71 11 00-1134	EA		24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	568.79 6.30 11.40	11.63
08 71 11 00-1135	EA		24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	608.84 6.30 11.40	12.30
08 71 11 00-1136	EA		24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	646.15 6.30 11.40	12.30
08 71 11 00-1137	EA		24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	683.52 6.30 11.40	12.30
08 71 11 00-1138	EA		24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	720.77 6.30 11.40	12.30
08 71 11 00-1139	EA		24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	760.80 6.30 11.40	12.99
08 71 11 00-1140	EA		24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	798.14 6.30 11.40	12.99
08 71 11 00-1141	EA		24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	835.45 6.30 11.40	12.99
08 71 11 00-1142	EA		24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	875.48 6.30 11.40	13.68
08 71 11 00-1143	EA		24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	912.79 6.30 11.40	13.68
08 71 11 00-1144	EA		24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	950.10 6.30 11.40	13.68
08 71 11 00-1145			<b>Satin/Dark Bronze Finish, Brass Kick Plate</b> <small>(08 71 11 00-0890)</small>		
08 71 11 00-1146	EA		8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.44 1.76 11.40	10.26
08 71 11 00-1147	EA		8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	154.88 1.76 11.40	10.26
08 71 11 00-1148	EA		8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	164.42 1.76 11.40	10.26
08 71 11 00-1149	EA		8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.86 1.76 11.40	10.26
08 71 11 00-1150	EA		8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.13 1.76 11.40	10.94
08 71 11 00-1151	EA		8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.60 1.76 11.40	10.94
08 71 11 00-1152	EA		8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	205.11 1.76 11.40	10.94
08 71 11 00-1153	EA		8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	214.58 1.76 11.40	10.94
08 71 11 00-1154	EA		8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.76 1.76 11.40	11.63
08 71 11 00-1155	EA		8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	236.29 1.76 11.40	11.63
08 71 11 00-1156	EA		8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.77 1.76 11.40	11.63
08 71 11 00-1157	EA		8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	258.02 1.76 11.40	12.30
08 71 11 00-1158	EA		8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	267.50 1.76 11.40	12.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1159	EA		8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	277.00 1.76 11.40	12.30
08 71 11 00-1160	EA		10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	171.51 1.76 11.40	10.26
08 71 11 00-1161	EA		10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	183.40 1.76 11.40	10.26
08 71 11 00-1162	EA		10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.23 1.76 11.40	10.26
08 71 11 00-1163	EA		10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	207.09 1.76 11.40	10.26
08 71 11 00-1164	EA		10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	221.68 1.76 11.40	10.94
08 71 11 00-1165	EA		10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	233.56 1.76 11.40	10.94
08 71 11 00-1166	EA		10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	245.39 1.76 11.40	10.94
08 71 11 00-1167	EA		10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.25 1.76 11.40	10.94
08 71 11 00-1168	EA		10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.87 1.76 11.40	11.63
08 71 11 00-1169	EA		10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	283.73 1.76 11.40	11.63
08 71 11 00-1170	EA		10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.56 1.76 11.40	11.63
08 71 11 00-1171	EA		10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	310.23 1.76 11.40	12.30
08 71 11 00-1172	EA		10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	322.06 1.76 11.40	12.30
08 71 11 00-1173	EA		10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	333.92 1.76 11.40	12.30
08 71 11 00-1174	EA		12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	197.61 1.76 11.40	10.26
08 71 11 00-1175	EA		12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	211.85 1.76 11.40	10.26
08 71 11 00-1176	EA		12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.07 1.76 11.40	10.26
08 71 11 00-1177	EA		12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.31 1.76 11.40	10.26
08 71 11 00-1178	EA		12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	257.25 1.76 11.40	10.94
08 71 11 00-1179	EA		12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	271.52 1.76 11.40	10.94
08 71 11 00-1180	EA		12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	285.77 1.76 11.40	10.94
08 71 11 00-1181	EA		12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	299.98 1.76 11.40	10.94
08 71 11 00-1182	EA		12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.95 1.76 11.40	11.63
08 71 11 00-1183	EA		12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	331.17 1.76 11.40	11.63
08 71 11 00-1184	EA		12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	345.38 1.76 11.40	11.63
08 71 11 00-1185	EA		12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	362.37 1.76 11.40	12.30
08 71 11 00-1186	EA		12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	376.64 1.76 11.40	12.30
08 71 11 00-1187	EA		12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	390.86 1.76 11.40	12.30
08 71 11 00-1188	EA		14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	226.41 1.76 11.40	10.94



## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1189	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	243.04	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1190	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	259.64	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1191	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	276.23	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1192	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	295.56	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1193	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	312.19	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1194	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	328.78	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1195	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	345.38	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1196	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	364.76	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1197	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	381.35	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1198	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	397.95	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1199	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	417.31	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1200	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	433.96	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1201	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	450.56	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1202	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	317.31	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1203	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	342.21	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1204	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	367.07	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1205	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	391.94	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1206	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	419.54	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1207	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	444.40	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1208	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	469.30	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1209	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	494.16	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1210	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	521.78	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1211	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	546.64	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1212	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	571.51	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1213	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	599.11	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1214	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	623.97	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1215	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	648.84	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1216	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	350.62	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1217	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	378.55	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1218	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	406.42	10.94
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1219	EA		18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	434.34 6.30 11.40	10.94
08 71 11 00-1220	EA		18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	464.94 6.30 11.40	11.63
08 71 11 00-1221	EA		18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	492.84 6.30 11.40	11.63
08 71 11 00-1222	EA		18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	520.74 6.30 11.40	11.63
08 71 11 00-1223	EA		18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	548.63 6.30 11.40	11.63
08 71 11 00-1224	EA		18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	579.25 6.30 11.40	12.30
08 71 11 00-1225	EA		18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	607.18 6.30 11.40	12.30
08 71 11 00-1226	EA		18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	635.10 6.30 11.40	12.30
08 71 11 00-1227	EA		18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	665.70 6.30 11.40	12.99
08 71 11 00-1228	EA		18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	693.63 6.30 11.40	12.99
08 71 11 00-1229	EA		18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	721.49 6.30 11.40	12.99
08 71 11 00-1230	EA		20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	387.43 6.30 11.40	11.63
08 71 11 00-1231	EA		20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	418.48 6.30 11.40	11.63
08 71 11 00-1232	EA		20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	449.43 6.30 11.40	11.63
08 71 11 00-1233	EA		20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	480.48 6.30 11.40	11.63
08 71 11 00-1234	EA		20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	514.19 6.30 11.40	12.30
08 71 11 00-1235	EA		20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	545.17 6.30 11.40	12.30
08 71 11 00-1236	EA		20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	576.19 6.30 11.40	12.30
08 71 11 00-1237	EA		20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	607.18 6.30 11.40	12.30
08 71 11 00-1238	EA		20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	640.95 6.30 11.40	12.99
08 71 11 00-1239	EA		20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	671.91 6.30 11.40	12.99
08 71 11 00-1240	EA		20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	702.90 6.30 11.40	12.99
08 71 11 00-1241	EA		20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	736.64 6.30 11.40	13.68
08 71 11 00-1242	EA		20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	767.63 6.30 11.40	13.68
08 71 11 00-1243	EA		20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	798.64 6.30 11.40	13.68
08 71 11 00-1244	EA		22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	421.54 6.30 11.40	11.63
08 71 11 00-1245	EA		22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	455.67 6.30 11.40	11.63
08 71 11 00-1246	EA		22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	489.75 6.30 11.40	11.63
08 71 11 00-1247	EA		22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	523.83 6.30 11.40	11.63
08 71 11 00-1248	EA		22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	560.71 6.30 11.40	12.30

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 71 11 00-1249	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	594.79	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1250	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	628.89	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1251	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	662.97	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1252	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	699.83	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1253	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	733.91	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1254	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	768.02	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1255	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	804.82	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1256	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	838.90	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1257	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	873.04	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1258	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	455.67	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1259	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	492.84	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1260	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	530.03	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1261	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	567.23	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1262	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	607.18	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1263	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	644.37	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1264	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	681.63	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1265	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	718.76	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1266	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	758.69	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1267	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	795.91	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1268	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	833.11	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1269	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	873.04	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1270	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	910.23	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1271	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	947.43	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

**08 71 11 00-1272 Satin Nickel Finish, Stainless Kick Plate** (08 71 11 00-0890)

08 71 11 00-1273	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	147.74	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1274	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	157.40	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1275	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	167.14	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1276	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	176.80	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1277	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	189.27	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1278	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	198.96	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1279	EA		8" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	208.67 1.76 11.40	10.94
08 71 11 00-1280	EA		8" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	218.36 1.76 11.40	10.94
08 71 11 00-1281	EA		8" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.74 1.76 11.40	11.63
08 71 11 00-1282	EA		8" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	240.49 1.76 11.40	11.63
08 71 11 00-1283	EA		8" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	250.17 1.76 11.40	11.63
08 71 11 00-1284	EA		8" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	262.64 1.76 11.40	12.30
08 71 11 00-1285	EA		8" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	272.32 1.76 11.40	12.30
08 71 11 00-1286	EA		8" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	282.04 1.76 11.40	12.30
08 71 11 00-1287	EA		10" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	174.39 1.76 11.40	10.26
08 71 11 00-1288	EA		10" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.54 1.76 11.40	10.26
08 71 11 00-1289	EA		10" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	198.63 1.76 11.40	10.26
08 71 11 00-1290	EA		10" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	210.75 1.76 11.40	10.26
08 71 11 00-1291	EA		10" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	225.61 1.76 11.40	10.94
08 71 11 00-1292	EA		10" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	237.76 1.76 11.40	10.94
08 71 11 00-1293	EA		10" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	249.85 1.76 11.40	10.94
08 71 11 00-1294	EA		10" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.97 1.76 11.40	10.94
08 71 11 00-1295	EA		10" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.85 1.76 11.40	11.63
08 71 11 00-1296	EA		10" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	288.97 1.76 11.40	11.63
08 71 11 00-1297	EA		10" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	301.06 1.76 11.40	11.63
08 71 11 00-1298	EA		10" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	315.99 1.76 11.40	12.30
08 71 11 00-1299	EA		10" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	328.08 1.76 11.40	12.30
08 71 11 00-1300	EA		10" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	340.20 1.76 11.40	12.30
08 71 11 00-1301	EA		12" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.07 1.76 11.40	10.26
08 71 11 00-1302	EA		12" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	215.63 1.76 11.40	10.26
08 71 11 00-1303	EA		12" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	230.15 1.76 11.40	10.26
08 71 11 00-1304	EA		12" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	244.71 1.76 11.40	10.26
08 71 11 00-1305	EA		12" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	261.97 1.76 11.40	10.94
08 71 11 00-1306	EA		12" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	276.56 1.76 11.40	10.94
08 71 11 00-1307	EA		12" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	291.11 1.76 11.40	10.94
08 71 11 00-1308	EA		12" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	305.64 1.76 11.40	10.94

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1309	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	322.93	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1310	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	337.45	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1311	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	351.98	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1312	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	369.29	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1313	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	383.88	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1314	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	398.40	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1315	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	230.45	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1316	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	247.44	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1317	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	264.40	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1318	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	281.37	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1319	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	301.06	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1320	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	318.06	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1321	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	335.02	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1322	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	351.98	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1323	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	371.73	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1324	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	388.69	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1325	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	405.65	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1326	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	425.38	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1327	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	442.40	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1328	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	459.36	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1329	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	323.36	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1330	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	348.80	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1331	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	374.22	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1332	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	399.63	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1333	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	427.78	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1334	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	453.19	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1335	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	478.64	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1336	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	504.05	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1337	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	532.22	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1338	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	557.63	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1339	EA		16" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	583.05 1.76 11.40	12.30
08 71 11 00-1340	EA		16" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	611.19 1.76 11.40	12.99
08 71 11 00-1341	EA		16" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	636.61 1.76 11.40	12.99
08 71 11 00-1342	EA		16" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	662.02 1.76 11.40	12.99
08 71 11 00-1343	EA		18" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	357.40 6.30 11.40	10.94
08 71 11 00-1344	EA		18" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	385.95 6.30 11.40	10.94
08 71 11 00-1345	EA		18" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	414.43 6.30 11.40	10.94
08 71 11 00-1346	EA		18" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	442.97 6.30 11.40	10.94
08 71 11 00-1347	EA		18" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	474.18 6.30 11.40	11.63
08 71 11 00-1348	EA		18" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	502.70 6.30 11.40	11.63
08 71 11 00-1349	EA		18" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	531.21 6.30 11.40	11.63
08 71 11 00-1350	EA		18" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	559.72 6.30 11.40	11.63
08 71 11 00-1351	EA		18" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	590.96 6.30 11.40	12.30
08 71 11 00-1352	EA		18" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	619.50 6.30 11.40	12.30
08 71 11 00-1353	EA		18" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	648.04 6.30 11.40	12.30
08 71 11 00-1354	EA		18" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	679.26 6.30 11.40	12.99
08 71 11 00-1355	EA		18" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	707.80 6.30 11.40	12.99
08 71 11 00-1356	EA		18" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	736.28 6.30 11.40	12.99
08 71 11 00-1357	EA		20" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	394.96 6.30 11.40	11.63
08 71 11 00-1358	EA		20" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	426.69 6.30 11.40	11.63
08 71 11 00-1359	EA		20" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	458.33 6.30 11.40	11.63
08 71 11 00-1360	EA		20" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	490.07 6.30 11.40	11.63
08 71 11 00-1361	EA		20" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	524.46 6.30 11.40	12.30
08 71 11 00-1362	EA		20" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	556.13 6.30 11.40	12.30
08 71 11 00-1363	EA		20" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	587.83 6.30 11.40	12.30
08 71 11 00-1364	EA		20" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	619.50 6.30 11.40	12.30
08 71 11 00-1365	EA		20" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	653.96 6.30 11.40	12.99
08 71 11 00-1366	EA		20" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	685.60 6.30 11.40	12.99
08 71 11 00-1367	EA		20" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	717.27 6.30 11.40	12.99
08 71 11 00-1368	EA		20" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	751.70 6.30 11.40	13.68

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1369	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	783.38	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1370	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	815.08	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1371	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	429.82	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1372	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	464.71	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1373	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	499.54	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1374	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	534.37	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1375	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	572.01	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1376	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	606.84	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1377	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	641.70	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1378	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	676.53	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1379	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	714.15	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1380	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	748.97	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1381	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	783.83	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1382	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	821.39	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1383	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	856.22	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1384	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	891.11	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1385	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	464.71	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1386	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	502.70	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1387	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	540.72	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1388	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	578.73	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1389	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	619.50	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1390	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	657.52	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1391	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	695.59	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1392	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	733.55	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1393	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	774.30	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1394	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	812.35	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1395	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	850.36	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1396	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	891.11	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1397	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	929.13	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1398	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Stainless Kick Plate	967.15	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1399			Stainless Base Material Kick Plate (08 71 11 00-0761)		
08 71 11 00-1400			Satin Stainless Finish, Stainless Kick Plate (08 71 11 00-1399)		
08 71 11 00-1401	EA		8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.02	10.26
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1402	EA		8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.96	10.26
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1403	EA		8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.82	10.26
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1404	EA		8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.80	10.26
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1405	EA		8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.42	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1406	EA		8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.28	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1407	EA		8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.26	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1408	EA		8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	96.14	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1409	EA		8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.79	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1410	EA		8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.71	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1411	EA		8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.60	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1412	EA		8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.27	12.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1413	EA		8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.19	12.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1414	EA		8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.08	12.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1415	EA		10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.02	10.26
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1416	EA		10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.69	10.26
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1417	EA		10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.33	10.26
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1418	EA		10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.94	10.26
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1419	EA		10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.34	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1420	EA		10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.98	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1421	EA		10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.59	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1422	EA		10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.20	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1423	EA		10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.63	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1424	EA		10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	119.25	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1425	EA		10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.86	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1426	EA		10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	129.28	12.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1427	EA		10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	132.92	12.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1428	EA		10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.53	12.30
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1429	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.05	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1430	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	93.41	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1431	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.78	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1432	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	102.14	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1433	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.20	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1434	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.60	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1435	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.93	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1436	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.32	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1437	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	129.39	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1438	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.78	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1439	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.17	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1440	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	145.25	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1441	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	149.65	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1442	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	153.98	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1443	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.79	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1444	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	104.87	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1445	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.98	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1446	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.07	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1447	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	122.86	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1448	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.97	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1449	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.06	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1450	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.17	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1451	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.03	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1452	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	151.06	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1453	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.18	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1454	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	164.02	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1455	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	169.11	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1456	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.22	12.99
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1457	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	111.98	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1458	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	118.48	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1459	EA		16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	124.72 1.76 11.40	10.94
08 71 11 00-1460	EA		16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.93 1.76 11.40	10.94
08 71 11 00-1461	EA		16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.88 1.76 11.40	11.63
08 71 11 00-1462	EA		16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	146.12 1.76 11.40	11.63
08 71 11 00-1463	EA		16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.36 1.76 11.40	11.63
08 71 11 00-1464	EA		16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	158.57 1.76 11.40	11.63
08 71 11 00-1465	EA		16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	167.53 1.76 11.40	12.30
08 71 11 00-1466	EA		16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	173.80 1.76 11.40	12.30
08 71 11 00-1467	EA		16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	180.04 1.76 11.40	12.30
08 71 11 00-1468	EA		16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	189.51 1.76 11.40	12.99
08 71 11 00-1469	EA		16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	195.20 1.76 11.40	12.99
08 71 11 00-1470	EA		16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	201.44 1.76 11.40	12.99
08 71 11 00-1471	EA		18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	119.09 6.30 11.40	10.94
08 71 11 00-1472	EA		18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	125.96 6.30 11.40	10.94
08 71 11 00-1473	EA		18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	132.78 6.30 11.40	10.94
08 71 11 00-1474	EA		18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	139.63 6.30 11.40	10.94
08 71 11 00-1475	EA		18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	149.24 6.30 11.40	11.63
08 71 11 00-1476	EA		18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	156.06 6.30 11.40	11.63
08 71 11 00-1477	EA		18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	162.90 6.30 11.40	11.63
08 71 11 00-1478	EA		18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	169.72 6.30 11.40	11.63
08 71 11 00-1479	EA		18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	179.35 6.30 11.40	12.30
08 71 11 00-1480	EA		18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	186.20 6.30 11.40	12.30
08 71 11 00-1481	EA		18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	193.02 6.30 11.40	12.30
08 71 11 00-1482	EA		18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	202.62 6.30 11.40	12.99
08 71 11 00-1483	EA		18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	209.50 6.30 11.40	12.99
08 71 11 00-1484	EA		18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	216.32 6.30 11.40	12.99
08 71 11 00-1485	EA		20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	130.20 6.30 11.40	11.63
08 71 11 00-1486	EA		20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	137.79 6.30 11.40	11.63
08 71 11 00-1487	EA		20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	145.42 6.30 11.40	11.63
08 71 11 00-1488	EA		20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	152.99 6.30 11.40	11.63



## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1489	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	163.37	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1490	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	171.00	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1491	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	178.57	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1492	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	186.20	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1493	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	196.53	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1494	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	204.15	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1495	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	211.78	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1496	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	222.08	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1497	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	229.71	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1498	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	237.31	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1499	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.55	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1500	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.95	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1501	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.28	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1502	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	163.68	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1503	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.76	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1504	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	183.16	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1505	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	191.51	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1506	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	199.89	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1507	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	210.97	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1508	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	219.35	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1509	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	227.76	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1510	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	238.81	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1511	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	247.22	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1512	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	255.54	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1513	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	146.95	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1514	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	156.06	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1515	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	165.22	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1516	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	174.32	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1517	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	186.20	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1518	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	195.33	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1519	EA		24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	204.46 6.30 11.40	12.30
08 71 11 00-1520	EA		24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	213.59 6.30 11.40	12.30
08 71 11 00-1521	EA		24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	225.45 6.30 11.40	12.99
08 71 11 00-1522	EA		24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	234.58 6.30 11.40	12.99
08 71 11 00-1523	EA		24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	243.71 6.30 11.40	12.99
08 71 11 00-1524	EA		24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	255.54 6.30 11.40	13.68
08 71 11 00-1525	EA		24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	264.70 6.30 11.40	13.68
08 71 11 00-1526	EA		24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	273.86 6.30 11.40	13.68
<b>08 71 11 00-1527 Bright Stainless Finish, Stainless Kick Plate (08 71 11 00-1399)</b>					
08 71 11 00-1528	EA		8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	116.36 1.76 11.40	10.26
08 71 11 00-1529	EA		8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	123.24 1.76 11.40	10.26
08 71 11 00-1530	EA		8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	130.07 1.76 11.40	10.26
08 71 11 00-1531	EA		8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	136.92 1.76 11.40	10.26
08 71 11 00-1532	EA		8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	146.47 1.76 11.40	10.94
08 71 11 00-1533	EA		8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	153.35 1.76 11.40	10.94
08 71 11 00-1534	EA		8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.17 1.76 11.40	10.94
08 71 11 00-1535	EA		8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	167.05 1.76 11.40	10.94
08 71 11 00-1536	EA		8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	176.57 1.76 11.40	11.63
08 71 11 00-1537	EA		8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.45 1.76 11.40	11.63
08 71 11 00-1538	EA		8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	190.34 1.76 11.40	11.63
08 71 11 00-1539	EA		8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	199.91 1.76 11.40	12.30
08 71 11 00-1540	EA		8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	206.76 1.76 11.40	12.30
08 71 11 00-1541	EA		8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	213.58 1.76 11.40	12.30
08 71 11 00-1542	EA		10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	135.20 1.76 11.40	10.26
08 71 11 00-1543	EA		10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.74 1.76 11.40	10.26
08 71 11 00-1544	EA		10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	152.33 1.76 11.40	10.26
08 71 11 00-1545	EA		10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	160.90 1.76 11.40	10.26
08 71 11 00-1546	EA		10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	172.16 1.76 11.40	10.94
08 71 11 00-1547	EA		10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	180.72 1.76 11.40	10.94
08 71 11 00-1548	EA		10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	189.32 1.76 11.40	10.94

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1549	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.88	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1550	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	209.15	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1551	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	217.71	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1552	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	226.30	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1553	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	237.56	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1554	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	246.15	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1555	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	254.72	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1556	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	154.02	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1557	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	164.32	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1558	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	174.60	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1559	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.88	10.26
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1560	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.88	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1561	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.10	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1562	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	218.41	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1563	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	228.68	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1564	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	241.69	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1565	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	251.97	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1566	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.21	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1567	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	275.27	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1568	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	285.52	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1569	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	295.79	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1570	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	175.62	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1571	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	187.61	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1572	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	199.60	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1573	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	211.58	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1574	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	226.30	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1575	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	238.26	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1576	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	250.25	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1577	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	262.21	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1578	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	276.98	12.30
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1579	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	288.97	12.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1580	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	300.96	12.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1581	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	315.68	12.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1582	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	327.61	12.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1583	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	339.60	12.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1584	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	194.43	10.94
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1585	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	208.10	10.94
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1586	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	221.86	10.94
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1587	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	235.53	10.94
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1588	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	251.97	11.63
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1589	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	265.67	11.63
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1590	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	279.34	11.63
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1591	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	293.04	11.63
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1592	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	309.50	12.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1593	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	323.17	12.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1594	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	336.87	12.30
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1595	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	353.30	12.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1596	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	367.04	12.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1597	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	380.74	12.99
		<i>For Four Beveled Edges, Add</i>		1.76	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1598	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	215.28	10.94
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1599	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	230.93	10.94
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1600	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	246.46	10.94
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1601	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	262.11	10.94
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1602	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	280.43	11.63
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1603	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	295.97	11.63
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1604	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	311.62	11.63
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1605	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	336.07	11.63
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1606	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	345.55	12.30
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1607	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	361.15	12.30
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	
08 71 11 00-1608	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	.....	376.74	12.30
		<i>For Four Beveled Edges, Add</i>		6.30	
		<i>For UL Label (Fire Rated), Add</i>		11.40	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 71 11 00-1609	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	395.06	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1610	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	410.65	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1611	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	426.25	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1612	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	237.11	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1613	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	254.42	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1614	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	271.75	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1615	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	289.06	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1616	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	309.14	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1617	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	326.51	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1618	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	343.78	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1619	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	361.15	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1620	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	381.15	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1621	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	398.52	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1622	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	415.85	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1623	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	435.89	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1624	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	453.22	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1625	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	470.53	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1626	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.16	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1627	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	275.21	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1628	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	294.26	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1629	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	313.30	11.63
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1630	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	335.13	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1631	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	354.21	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1632	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	373.28	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1633	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	392.33	12.30
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1634	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	414.11	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1635	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	433.16	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1636	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	452.20	12.99
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1637	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	473.98	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1638	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	493.09	13.68
		<i>For Four Beveled Edges, Add</i>	6.30	
		<i>For UL Label (Fire Rated), Add</i>	11.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1639	EA		22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	512.14 6.30 11.40	13.68
08 71 11 00-1640	EA		24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	275.21 6.30 11.40	11.63
08 71 11 00-1641	EA		24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	295.97 6.30 11.40	11.63
08 71 11 00-1642	EA		24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	316.79 6.30 11.40	11.63
08 71 11 00-1643	EA		24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	337.58 6.30 11.40	11.63
08 71 11 00-1644	EA		24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	361.15 6.30 11.40	12.30
08 71 11 00-1645	EA		24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	381.91 6.30 11.40	12.30
08 71 11 00-1646	EA		24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	402.70 6.30 11.40	12.30
08 71 11 00-1647	EA		24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	423.52 6.30 11.40	12.30
08 71 11 00-1648	EA		24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	447.04 6.30 11.40	12.99
08 71 11 00-1649	EA		24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	467.80 6.30 11.40	12.99
08 71 11 00-1650	EA		24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	488.62 6.30 11.40	12.99
08 71 11 00-1651	EA		24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	512.14 6.30 11.40	13.68
08 71 11 00-1652	EA		24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	532.95 6.30 11.40	13.68
08 71 11 00-1653	EA		24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate..... <i>For Four Beveled Edges, Add</i> <i>For UL Label (Fire Rated), Add</i>	553.71 6.30 11.40	13.68

**08 71 11 00-1654 Plastic Kick Plate** (08 71 11 00-0761)

**08 71 11 00-1655 Clear Or Black Finish, Plastic Kick Plate** (08 71 11 00-1654)

Note: With four beveled edges.

08 71 11 00-1656	EA		8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	64.76	10.26
08 71 11 00-1657	EA		8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	66.88	10.26
08 71 11 00-1658	EA		8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	69.08	10.26
08 71 11 00-1659	EA		8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	71.23	10.26
08 71 11 00-1660	EA		8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.13	10.94
08 71 11 00-1661	EA		8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.28	10.94
08 71 11 00-1662	EA		8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	80.40	10.94
08 71 11 00-1663	EA		8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	82.60	10.94
08 71 11 00-1664	EA		8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	90.09	11.63
08 71 11 00-1665	EA		8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.60	11.63
08 71 11 00-1666	EA		8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	91.80	11.63
08 71 11 00-1667	EA		8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	96.69	12.30
08 71 11 00-1668	EA		8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.87	12.30
08 71 11 00-1669	EA		8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	101.02	12.30
08 71 11 00-1670	EA		10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	70.68	10.26
08 71 11 00-1671	EA		10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	73.40	10.26
08 71 11 00-1672	EA		10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.07	10.26
08 71 11 00-1673	EA		10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	78.74	10.26
08 71 11 00-1674	EA		10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	84.20	10.94
08 71 11 00-1675	EA		10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.87	10.94
08 71 11 00-1676	EA		10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	89.59	10.94
08 71 11 00-1677	EA		10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.26	10.94
08 71 11 00-1678	EA		10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	97.72	11.63
08 71 11 00-1679	EA		10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	100.39	11.63
08 71 11 00-1680	EA		10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	103.11	11.63
08 71 11 00-1681	EA		10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	108.53	12.30
08 71 11 00-1682	EA		10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	111.26	12.30
08 71 11 00-1683	EA		10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	113.93	12.30
08 71 11 00-1684	EA		12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	76.62	10.26
08 71 11 00-1685	EA		12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	79.87	10.26
08 71 11 00-1686	EA		12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	83.06	10.26
08 71 11 00-1687	EA		12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	86.34	10.26
08 71 11 00-1688	EA		12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	92.26	10.94
08 71 11 00-1689	EA		12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	95.54	10.94
08 71 11 00-1690	EA		12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	98.78	10.94
08 71 11 00-1691	EA		12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	102.00	10.94
08 71 11 00-1692	EA		12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate.....	107.93	11.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1778	EA		24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate .....	208.14	12.99
08 71 11 00-1779	EA		24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate .....	218.28	13.68
08 71 11 00-1780	EA		24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate .....	225.77	13.68
08 71 11 00-1781	EA		24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate .....	233.20	13.68
<b>08 71 11 00-1782</b>			<b>Mop Plate</b> <small>(08 71 11 00-0760)</small> Note: Ives 8400.		
<b>08 71 11 00-1783</b>			<b>Aluminum Base Material Mop Plate</b> <small>(08 71 11 00-1782)</small>		
<b>08 71 11 00-1784</b>			<b>Satin Aluminum Finish, Aluminum Mop Plate</b> <small>(08 71 11 00-1783)</small>		
08 71 11 00-1785	EA		4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	56.53	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1786	EA		4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	58.08	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1787	EA		4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	59.56	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1788	EA		4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	61.11	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1789	EA		4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	64.29	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1790	EA		4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	65.78	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1791	EA		4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	67.33	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1792	EA		4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	68.81	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1793	EA		4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	72.68	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1794	EA		4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	74.19	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1795	EA		4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	75.71	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1796	EA		4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	79.96	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1797	EA		4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	81.50	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1798	EA		4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	82.99	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1799	EA		6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	64.90	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1800	EA		6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	67.17	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1801	EA		6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	69.48	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1802	EA		6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	71.75	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1803	EA		6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	75.69	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1804	EA		6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	77.94	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1805	EA		6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	80.27	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1806	EA		6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	82.51	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1807	EA		6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	87.14	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1808	EA		6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	89.41	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1809	EA		6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	91.71	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1810	EA		6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate .....	96.72	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1811	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	99.02	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1812	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	101.26	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
<b>08 71 11 00-1813 Brass Base Material Mop Plate (08 71 11 00-1782)</b>				
<b>08 71 11 00-1814 Bright/Satin Brass Finish, Brass Mop Plate (08 71 11 00-1813)</b>				
08 71 11 00-1815	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	88.97	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1816	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	93.48	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1817	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	97.94	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1818	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	102.43	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1819	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	108.53	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1820	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	112.99	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1821	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	117.48	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1822	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	121.94	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1823	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	128.75	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1824	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	133.21	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1825	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	137.66	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1826	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	144.88	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1827	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	149.34	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1828	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	153.86	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1829	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	113.61	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1830	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	120.30	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1831	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	127.02	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1832	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	133.70	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1833	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	142.06	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1834	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	148.81	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1835	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	155.47	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1836	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	162.22	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1837	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	171.20	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1838	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	177.94	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1839	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	184.66	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1840	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	194.08	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1841	EA		6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	200.80 1.76 11.40	11.63
08 71 11 00-1842	EA		6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	207.49 1.76 11.40	11.63
<b>08 71 11 00-1843 Bright/Satin Chrome Finish, Stainless Mop Plate (08 71 11 00-1813)</b>					
08 71 11 00-1844	EA		4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	93.88 1.76 11.40	9.98
08 71 11 00-1845	EA		4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	98.78 1.76 11.40	9.98
08 71 11 00-1846	EA		4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	103.70 1.76 11.40	9.98
08 71 11 00-1847	EA		4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	108.62 1.76 11.40	9.98
08 71 11 00-1848	EA		4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	115.15 1.76 11.40	10.40
08 71 11 00-1849	EA		4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	120.08 1.76 11.40	10.40
08 71 11 00-1850	EA		4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	125.00 1.76 11.40	10.40
08 71 11 00-1851	EA		4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	129.89 1.76 11.40	10.40
08 71 11 00-1852	EA		4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	137.13 1.76 11.40	10.94
08 71 11 00-1853	EA		4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	142.09 1.76 11.40	10.94
08 71 11 00-1854	EA		4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	147.01 1.76 11.40	10.94
08 71 11 00-1855	EA		4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	154.66 1.76 11.40	11.63
08 71 11 00-1856	EA		4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	159.55 1.76 11.40	11.63
08 71 11 00-1857	EA		4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	164.47 1.76 11.40	11.63
08 71 11 00-1858	EA		6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	120.91 1.76 11.40	9.98
08 71 11 00-1859	EA		6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	128.25 1.76 11.40	9.98
08 71 11 00-1860	EA		6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	135.65 1.76 11.40	9.98
08 71 11 00-1861	EA		6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	143.05 1.76 11.40	9.98
08 71 11 00-1862	EA		6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	152.03 1.76 11.40	10.40
08 71 11 00-1863	EA		6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	159.42 1.76 11.40	10.40
08 71 11 00-1864	EA		6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	166.76 1.76 11.40	10.40
08 71 11 00-1865	EA		6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	174.16 1.76 11.40	10.40
08 71 11 00-1866	EA		6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	183.88 1.76 11.40	10.94
08 71 11 00-1867	EA		6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	191.22 1.76 11.40	10.94
08 71 11 00-1868	EA		6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	198.62 1.76 11.40	10.94
08 71 11 00-1869	EA		6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	208.69 1.76 11.40	11.63
08 71 11 00-1870	EA		6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate ..... For Four Beveled Edges, Add For UL Label (Fire Rated), Add	216.08 1.76 11.40	11.63



## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-1871	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Stainless Mop Plate	223.45	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1872		<b>Satin/Dark Bronze Finish, Brass Mop Plate</b> (08 71 11 00-1813)		
08 71 11 00-1873	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	94.78	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1874	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	99.77	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1875	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	104.78	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1876	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	109.76	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1877	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	116.41	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1878	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	121.42	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1879	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	126.44	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1880	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	131.45	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1881	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	138.72	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1882	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	143.73	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1883	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	148.75	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1884	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	156.49	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1885	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	161.50	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1886	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	166.45	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1887	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	122.26	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1888	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	129.81	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1889	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	137.30	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1890	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	159.38	9.98
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1891	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	153.91	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1892	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	161.40	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1893	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	168.89	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1894	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	176.38	10.40
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1895	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	186.25	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1896	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	193.73	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1897	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	201.22	10.94
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1898	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	211.44	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1899	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	218.93	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	
08 71 11 00-1900	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	226.42	11.63
		<i>For Four Beveled Edges, Add</i>	1.76	
		<i>For UL Label (Fire Rated), Add</i>	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1901			<b>Satin Nickel Finish, Stainless Mop Plate</b> (08 71 11 00-1813)		
08 71 11 00-1902	EA		4" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	95.74	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1903	EA		4" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	100.77	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1904	EA		4" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	105.89	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1905	EA		4" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	110.98	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1906	EA		4" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	117.71	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1907	EA		4" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	122.77	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1908	EA		4" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	127.86	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1909	EA		4" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	132.95	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1910	EA		4" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	140.40	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1911	EA		4" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	145.46	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1912	EA		4" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	150.52	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1913	EA		4" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	158.37	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1914	EA		4" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	163.46	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1915	EA		4" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	168.49	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1916	EA		6" x 22", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	123.69	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1917	EA		6" x 24", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	131.31	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1918	EA		6" x 26", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	138.94	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1919	EA		6" x 28", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	146.56	9.98
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1920	EA		6" x 30", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	155.82	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1921	EA		6" x 32", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	163.44	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1922	EA		6" x 34", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	171.06	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1923	EA		6" x 36", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	178.71	10.40
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1924	EA		6" x 38", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	188.65	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1925	EA		6" x 40", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	196.30	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1926	EA		6" x 42", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	203.93	10.94
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1927	EA		6" x 44", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	214.28	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1928	EA		6" x 46", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	221.90	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1929	EA		6" x 48", 0.050" Thick, Satin/Nickel Finish, Stainless Mop Plate.....	229.55	11.63
			For Four Beveled Edges, Add	1.76	
			For UL Label (Fire Rated), Add	11.40	

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 71 11 00-1930	Stainless Base Material Mop Plate <small>(08 71 11 00-1782)</small>		
08 71 11 00-1931	Satin Stainless Finish, Stainless Mop Plate <small>(08 71 11 00-1930)</small>		
08 71 11 00-1932	EA 4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	57.98	9.98
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1933	EA 4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	59.59	9.98
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1934	EA 4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	61.26	9.98
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1935	EA 4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	62.89	9.98
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1936	EA 4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	66.20	10.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1937	EA 4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	67.87	10.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1938	EA 4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	69.47	10.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1939	EA 4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	71.14	10.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1940	EA 4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	75.10	10.94
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1941	EA 4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	76.76	10.94
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1942	EA 4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	78.43	10.94
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1943	EA 4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	82.77	11.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1944	EA 4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	84.44	11.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1945	EA 4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	86.07	11.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1946	EA 6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	67.00	9.98
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1947	EA 6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	69.50	9.98
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1948	EA 6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	71.97	9.98
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1949	EA 6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	74.47	9.98
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1950	EA 6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	78.55	10.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1951	EA 6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	81.02	10.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1952	EA 6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	83.52	10.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1953	EA 6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	85.99	10.40
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1954	EA 6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	90.81	10.94
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1955	EA 6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	93.25	10.94
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1956	EA 6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	95.72	10.94
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1957	EA 6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	100.95	11.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1958	EA 6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	103.39	11.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	
08 71 11 00-1959	EA 6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate.....	105.89	11.63
	For Four Beveled Edges, Add	1.76	
	For UL Label (Fire Rated), Add	11.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-1960	Bright Stainless Finish, Stainless Mop Plate (08 71 11 00-1930)				
08 71 11 00-1961	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	79.68		9.98
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1962	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	83.32		9.98
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1963	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	86.97		9.98
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1964	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	90.56		9.98
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1965	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	95.84		10.40
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1966	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	99.46		10.40
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1967	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	103.11		10.40
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1968	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	106.75		10.40
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1969	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	112.66		10.94
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1970	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	116.31		10.94
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1971	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	119.95		10.94
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1972	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	126.30		11.63
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1973	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	129.95		11.63
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1974	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	133.53		11.63
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1975	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	99.61		9.98
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1976	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	105.11		9.98
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1977	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	110.55		9.98
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1978	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	115.99		9.98
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1979	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	123.04		10.40
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1980	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	128.48		10.40
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1981	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	133.92		10.40
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1982	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	139.37		10.40
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1983	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	147.16		10.94
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1984	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	152.60		10.94
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1985	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	158.04		10.94
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1986	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	166.21		11.63
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1987	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	171.62		11.63
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		
08 71 11 00-1988	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	177.06		11.63
		For Four Beveled Edges, Add	1.76		
		For UL Label (Fire Rated), Add	11.40		

08 71 11 00-1989 Plastic Mop Plate (08 71 11 00-1782)

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
08 71 11 00-1990		<b>Clear Or Black Finish, Plastic Mop Plate</b> (08 71 11 00-1989)			
		Note: With four beveled edges.			
08 71 11 00-1991	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	54.08		9.98
08 71 11 00-1992	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	55.38		9.98
08 71 11 00-1993	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	56.70		9.98
08 71 11 00-1994	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	57.99		9.98
08 71 11 00-1995	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	60.93		10.40
08 71 11 00-1996	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	62.22		10.40
08 71 11 00-1997	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	63.51		10.40
08 71 11 00-1998	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	64.83		10.40
08 71 11 00-1999	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	68.45		10.94
08 71 11 00-2000	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	69.74		10.94
08 71 11 00-2001	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	71.03		10.94
08 71 11 00-2002	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	75.06		11.63
08 71 11 00-2003	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	76.38		11.63
08 71 11 00-2004	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	77.67		11.63
08 71 11 00-2005	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	61.23		9.98
08 71 11 00-2006	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	63.19		9.98
08 71 11 00-2007	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	65.13		9.98
08 71 11 00-2008	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	67.07		9.98
08 71 11 00-2009	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	70.68		10.40
08 71 11 00-2010	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	72.62		10.40
08 71 11 00-2011	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	74.56		10.40
08 71 11 00-2012	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	76.50		10.40
08 71 11 00-2013	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	80.79		10.94
08 71 11 00-2014	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	82.73		10.94
08 71 11 00-2015	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	84.67		10.94
08 71 11 00-2016	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	89.37		11.63
08 71 11 00-2017	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	91.31		11.63
08 71 11 00-2018	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate ..... Note: 4 sides beveled.	93.25		11.63
08 71 11 00-2019		<b>Armor Door Plate</b> (08 71 11 00-0760)			
		Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.			
08 71 11 00-2020	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	31.21		1.71
08 71 11 00-2021	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate .....	29.70		1.33
08 71 11 00-2022	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	34.23		1.71
08 71 11 00-2023	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate .....	32.72		1.33
08 71 11 00-2024	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	69.22		1.71
08 71 11 00-2025	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate .....	67.71		1.33
08 71 11 00-2026		<b>Pull Handle And Plates</b> (08 71 11 00-0760)			
08 71 11 00-2027		<b>Pull Handle</b> (08 71 11 00-2026)			
08 71 11 00-2028	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)..... For Stainless Steel, Add For Brass, Add For Bronze Anodized, Add	69.70 10.32 14.00 4.42		11.29
08 71 11 00-2029	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)..... For Stainless Steel, Add For Brass, Add For Bronze Anodized, Add	72.89 11.66 15.82 5.00		11.29
08 71 11 00-2030	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)..... For Stainless Steel, Add For Brass, Add For Bronze Anodized, Add	77.92 13.77 18.69 5.90		11.29



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2031	EA		1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	80.71 14.94 20.28 6.40	11.29
08 71 11 00-2032	EA		1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	85.76 17.06 23.16 7.31	11.29
08 71 11 00-2033	EA		1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	92.28 19.80 26.88 8.49	11.29
08 71 11 00-2034	EA		1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	73.13 11.76 15.96 5.04	11.29
08 71 11 00-2035	EA		1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	80.09 14.68 19.93 6.29	11.29
08 71 11 00-2036	EA		1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	81.23 15.16 20.58 6.50	11.29
08 71 11 00-2037	EA		1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	151.51 20.11 18.51	11.29
08 71 11 00-2038	EA		1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	155.81 20.92 19.26	11.29
08 71 11 00-2039	EA		1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	164.46 22.55 20.76	11.29
08 71 11 00-2040	EA		1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18) ..... <i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i> <i>For Brass, Add</i>	214.58 32.03 29.48	11.29
<b>08 71 11 00-2041</b>			<b>Pull Plate</b> (08 71 11 00-2026)		
08 71 11 00-2042	EA		3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	104.23 41.32 52.53 12.61	8.54
08 71 11 00-2043	EA		4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	106.67 42.76 54.36 13.05	8.54
08 71 11 00-2044	EA		6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302) ..... <i>For Stainless Steel, Add</i> <i>For Brass, Add</i> <i>For Bronze Anodized, Add</i>	112.22 46.04 58.52 14.05	8.54
<b>08 71 11 00-2045</b>			<b>Push Bars And Plates</b> (08 71 11 00-0760)		
<b>08 71 11 00-2046</b>			<b>Push Bars</b> (08 71 11 00-2045)		
08 71 11 00-2047	EA		3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate..... Note: Up to 34" wide. All finishes.	275.82	8.54
08 71 11 00-2048	EA		3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide ..... <i>For Brass Push Bar, Add</i>	271.37 41.27	8.54
08 71 11 00-2049	EA		1" Diameter Stainless Steel Push Bar, Up To 34" Wide ..... <i>For Brass Push Bar, Add</i>	281.32 43.00	8.54
08 71 11 00-2050	EA		1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide ..... <i>For Brass Push Bar, Add</i>	528.45 86.00	8.54
<b>08 71 11 00-2051</b>			<b>Push Plates</b> (08 71 11 00-2045)		
<b>08 71 11 00-2052</b>			<b>Aluminum Push Plates</b> (08 71 11 00-2051)		
<b>08 71 11 00-2053</b>			<b>Clear Anodized Finish, Aluminum Push Plates</b> (08 71 11 00-2052) Note: Ives 8200 Series.		
08 71 11 00-2054	EA		3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	51.79	8.54
08 71 11 00-2055	EA		4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	51.79	8.54
08 71 11 00-2056	EA		6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	51.79	8.54
08 71 11 00-2057	EA		8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware .....	56.24	8.54
<b>08 71 11 00-2058</b>			<b>Stainless Steel Push Plates</b> (08 71 11 00-2051)		
<b>08 71 11 00-2059</b>			<b>Satin Finish, Stainless Steel Push Plates</b> (08 71 11 00-2058) Note: Ives 8200 Series.		
08 71 11 00-2060	EA		3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware.....	51.79	8.54
08 71 11 00-2061	EA		4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	55.21	8.54
08 71 11 00-2062	EA		6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	63.03	8.54
08 71 11 00-2063	EA		8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware.....	74.60	8.54
<b>08 71 11 00-2064</b>			<b>Brass Push Plates</b> (08 71 11 00-2051)		

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2065			<b>Bright/Satin Brass Finish, Brass Push Plates</b> (08 71 11 00-2064) Note: Ives 8200 Series.		
08 71 11 00-2066	EA		3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	62.24	8.54
08 71 11 00-2067	EA		4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	71.03	8.54
08 71 11 00-2068	EA		6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	92.20	8.54
08 71 11 00-2069	EA		8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware .....	106.10	8.54
08 71 11 00-2070			<b>Bright/Satin Chrome Finish, Brass Push Plates</b> (08 71 11 00-2064) Note: Ives 8200 Series.		
08 71 11 00-2071	EA		3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	69.27	8.54
08 71 11 00-2072	EA		4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	76.41	8.54
08 71 11 00-2073	EA		6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	95.80	8.54
08 71 11 00-2074	EA		8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware .....	114.92	8.54
08 71 11 00-2075			<b>Satin/Dark Bronze Finish, Brass Push Plates</b> (08 71 11 00-2064) Note: Ives 8200 Series.		
08 71 11 00-2076	EA		3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	69.27	8.54
08 71 11 00-2077	EA		4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	76.41	8.54
08 71 11 00-2078	EA		6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	99.22	8.54
08 71 11 00-2079	EA		8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware .....	116.82	8.54
08 71 11 00-2080			<b>Satin Nickel Finish, Brass Push Plates</b> (08 71 11 00-2064) Note: Ives 8200 Series.		
08 71 11 00-2081	EA		3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware .....	69.27	8.54
08 71 11 00-2082	EA		4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	78.20	8.54
08 71 11 00-2083	EA		6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	104.64	8.54
08 71 11 00-2084	EA		8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware .....	122.24	8.54
08 71 11 00-2085			<b>Exit Devices</b> (08 71 11)		
08 71 11 00-2086			<b>Push Bar Exit Device, Von Duprin Series 22</b> (08 71 11 00-2085) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2087	EA		3' Push Bar, Rim Type, Exit Device (Von Duprin Series 22).....	844.35	153.85
			Note: Anodized finish: aluminum or dark brown.		
			<i>For 4' Push Bar, Add</i>	13.87	
08 71 11 00-2088	EA		3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 22-F).....	930.24	153.85
			Note: Anodized finish: aluminum or dark brown.		
			<i>For 4' Push Bar, Add</i>	13.87	
08 71 11 00-2089	EA		3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 2227).....	1,204.45	184.62
			Note: Anodized finish: aluminum or dark brown.		
			<i>For 4' Push Bar, Add</i>	13.87	
08 71 11 00-2090	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 2227-F).....	1,418.39	170.94
			Note: Anodized finish: aluminum or dark brown.		
			<i>For 4' Push Bar, Add</i>	13.87	
08 71 11 00-2091	EA		Dummy Trim (Von Duprin Series 22, 210DT) .....	116.92	25.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2092	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL) .....	241.79	34.19
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2093	EA		Knob Trim With Cylinder (Von Duprin Series 22, 210K) .....	445.24	51.28
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2094	EA		Lever Trim With Cylinder (Von Duprin Series 22, 230L) .....	441.28	51.28
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2095	EA		Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP).....	440.29	51.28
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2096	EA		Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE) .....	355.64	51.28
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2097	EA		Exit Only Trim Plate (Von Duprin Series 22, 230EO).....	143.84	20.51
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2098	EA		Dummy Trim (Von Duprin Series 22, 230DT) .....	167.42	25.64
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2099	EA		Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL) .....	294.28	34.19
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2100	EA		Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE).....	351.68	51.28
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2101	EA		Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE).....	350.69	51.28
			Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2102			<b>Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35</b> (08 71 11 00-2085) Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.		
08 71 11 00-2103	EA		3' Push Bar, Rim Type, Narrow Stile Exit Device (Von Duprin Series 33/35) .....	1,664.47	153.85
			Note: Aluminum anodized finish.		
			<i>For 4' Push Bar, Add</i>	13.87	
			<i>For Accessible Device (AX), Add</i>	125.42	
			<i>For Duraanodic Dark Bronze US313 (BHMA 710) Finish, Add</i>	128.43	
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	121.03	
			<i>For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add</i>	47.66	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	366.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2104	EA		3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327/3527) ..... Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,256.08 13.87 176.38 180.61 170.20 67.02 515.02	184.62
08 71 11 00-2105	EA		3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3327-F/3527-F)..... Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,298.81 13.87 180.65 184.99 174.33 68.65 527.50	184.62
08 71 11 00-2106	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347/3547) ..... Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,347.04 13.87 177.95 182.22 171.72 67.62 519.62	211.97
08 71 11 00-2107	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3347-F/3547-F)..... Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,457.28 13.87 188.98 193.51 182.36 71.81 551.81	211.97
08 71 11 00-2108	EA		3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348/3548) ..... Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,611.38 13.87 204.39 209.29 197.23 77.67 596.81	211.97
08 71 11 00-2109	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device (Von Duprin Series 3348-F/3548-F)..... Note: Aluminum anodized finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	2,721.62 13.87 215.41 220.58 207.87 81.86 629.00	211.97
08 71 11 00-2110	EA		Dummy Trim (Von Duprin Series 33/35, DT) ..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	369.83 29.09 11.46 88.02	25.64
08 71 11 00-2111	EA		Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP)..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	426.22 31.89 12.56 96.50	34.19
08 71 11 00-2112	EA		Night Latch With Cylinder (Von Duprin Series 33/35, NL) ..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	676.45 56.04 22.07 169.57	34.19
08 71 11 00-2113	EA		Lever Trim With Cylinder (Von Duprin Series 33/35, 360L) ..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	696.71 54.04 21.28 163.51	51.28
08 71 11 00-2114	EA		Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE)..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	820.27 65.96 25.97 199.59	51.28
08 71 11 00-2115	EA		Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT)..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	804.69 64.46 25.38 195.04	51.28
08 71 11 00-2116	EA		Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T) ..... Note: Anodized finish: aluminum or dark brown. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	811.97 65.16 25.66 197.16	51.28

08 71 11 00-2117 Push Bar Exit Device, Von Duprin Series 98/99 (08 71 11 00-2085)  
 Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.

## 08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-2118	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99).....	1,605.82	153.85
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	119.56	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	72.93	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	115.97	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	185.31	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	379.00	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	119.56	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	175.75	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2119	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F).....	1,814.95	153.85
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	140.47	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	85.69	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	136.26	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	217.73	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	445.29	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	140.47	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	206.49	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2120	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99).....	1,460.14	153.85
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	104.99	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.04	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	101.84	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	162.73	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	332.82	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	104.99	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	154.33	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2121	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F).....	1,620.59	153.85
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	121.03	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	73.83	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	117.40	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	187.60	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	383.68	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	121.03	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	177.92	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2122	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927).....	2,277.46	184.62
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	178.52	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	108.89	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	173.16	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	276.70	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	565.90	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	178.52	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	262.42	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2123	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F).....	2,560.92	184.62
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	206.86	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	126.19	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	200.66	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	320.64	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	655.75	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	206.86	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	304.09	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2124	EA		3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947).....	2,399.29	211.97
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	183.18	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	170.35	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	177.68	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	283.92	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	580.67	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	183.18	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	269.27	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2125	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F) .....	2,689.05	211.97
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	212.15	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	197.30	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	205.79	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	328.84	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	672.53	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	212.15	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	311.86	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2126	EA		3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948).....	2,695.34	211.97
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	212.78	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	197.89	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	206.40	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	329.81	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	674.52	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	212.78	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	312.79	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2127	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F) .....	2,468.22	211.97
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	190.07	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	176.77	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	184.37	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	294.61	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	602.52	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	190.07	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	279.40	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2128	EA		3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC) .....	2,173.06	211.97
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	160.55	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	149.32	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	155.74	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	248.86	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	508.96	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	160.55	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	236.01	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Cylinder Dogging Indicator (CI), Add	174.58	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2129	EA		3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F) .....	2,429.59	211.97
			Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	186.21	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	173.17	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	180.62	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	288.62	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	590.28	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	186.21	
			For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	273.72	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	



## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-2130	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957).....	2,329.61	184.62
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	183.73	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	112.08	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	178.22	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	284.78	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	582.43	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	183.73	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	270.08	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2131	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F) .....	2,477.19	184.62
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	198.49	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	121.08	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	192.53	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	307.66	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	629.21	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	198.49	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	291.78	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2132	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975).....	2,260.18	191.45
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	174.74	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	64.65	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	169.49	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	270.84	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	553.92	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	174.74	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	256.86	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2133	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F).....	2,473.07	191.45
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	196.03	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	72.53	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	190.15	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	303.84	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	621.40	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	196.03	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	288.16	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2134	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949).....	2,077.97	211.97
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	13.00	
		For Accessible Device (AX), Add	151.05	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	140.47	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.51	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	234.12	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	478.81	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	151.05	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	222.04	
		For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
		For Special Center Case Dogging (SD), Add	262.29	
		For Cylinder Dogging Indicator (CI), Add	174.58	
		For Dogging Indicator (DI), Add	160.38	
		For Quiet Electric Latch Retraction (QEL), Add	833.54	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
		For Safety Glow Touchpad, Add	292.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2135	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	2,244.36 13.00 167.68 155.95 162.65 259.91 531.56 167.68 246.50 62.65 262.29 174.58 160.38 833.54 81.03 292.35	211.97
08 71 11 00-2136	EA		3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	2,250.31 13.00 168.28 156.50 163.23 260.63 533.44 168.28 247.37 62.65 262.29 174.58 160.38 833.54 81.03 292.35	211.97
08 71 11 00-2137	EA		3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Satin Stainless Steel, US32D (BHMA 630) Finish, Add For Standard Baseplate Cylinder Dogging (CD), Add For Special Center Case Dogging (SD), Add For Cylinder Dogging Indicator (CI), Add For Dogging Indicator (DI), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	2,547.45 13.00 197.99 184.13 192.05 306.89 627.64 197.99 291.05 62.65 262.29 174.58 160.38 833.54 81.03 292.35	211.97
08 71 11 00-2138	EA		3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99) ..... Note: Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Center Case Dogging (CD-CX), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	3,505.95 13.00 302.73 469.23 959.66 302.73 112.62 126.54 283.16 833.54 81.03 292.35	177.78
08 71 11 00-2139	EA		3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F) ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	3,715.08 13.00 323.65 501.65 1,025.95 323.65 120.40 135.28 833.54 81.03 292.35	177.78
08 71 11 00-2140	EA		3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975) ..... Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish. For 4' Push Bar, Add For Accessible Device (AX), Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Center Case Dogging (CD-CX), Add For Quiet Electric Latch Retraction (QEL), Add For Vision Impaired Touchpad, Raised Letters and Braille, Add For Safety Glow Touchpad, Add	4,173.99 13.00 357.91 554.76 1,134.58 357.91 133.14 149.61 283.16 833.54 81.03 292.35	218.81

## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2141	EA		3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F).....	4,386.90	218.81
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	379.20	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	587.76	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	1,202.07	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	379.20	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	141.06	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	158.51	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2142	EA		3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99).....	2,271.35	177.78
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	179.27	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	277.87	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	568.29	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	179.27	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	66.69	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	102.90	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2143	EA		3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F).....	2,480.48	177.78
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	200.19	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	310.29	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	634.59	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	200.19	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	74.47	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	114.91	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2144	EA		3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	2,939.39	218.81
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	234.45	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	363.40	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	743.21	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	234.45	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	87.22	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	134.58	
			For Standard Baseplate Cylinder Dogging (CD), Add	62.65	
			For Special Center Case Dogging (SD), Add	262.29	
			For Dogging Indicator (DI), Add	160.38	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2145	EA		3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F).....	3,152.28	218.81
			Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
			For 4' Push Bar, Add	13.00	
			For Accessible Device (AX), Add	255.74	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	396.40	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	810.70	
			For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	255.74	
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	95.14	
			For Satin Chrome Plated US26D (BHMA 626) Finish, Add	146.80	
			For Quiet Electric Latch Retraction (QEL), Add	833.54	
			For Vision Impaired Touchpad, Raised Letters and Braille, Add	81.03	
			For Safety Glow Touchpad, Add	292.35	
08 71 11 00-2146	EA		Exit Only Trim Plate (Von Duprin Series 98/99, EO).....	188.57	20.51
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	4.02	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	6.02	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	22.76	
08 71 11 00-2147	EA		Dummy Trim (Von Duprin Series 98/99, 990DT).....	276.62	25.64
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.25	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	9.37	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	35.40	
08 71 11 00-2148	EA		Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL).....	408.44	34.19
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	9.38	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	14.07	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	53.16	
08 71 11 00-2149	EA		Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL).....	318.84	34.19
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	6.69	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	10.04	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	37.93	
08 71 11 00-2150	EA		Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L).....	707.63	51.28
			Note: Satin chrome plated US26D (BHMA 626) finish.		
			For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	17.13	
			For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	25.69	
			For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	97.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2151	EA		Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	618.04 14.44 21.66 81.82	51.28
08 71 11 00-2152	EA		Blank Escutcheon, Lever (Von Duprin Series 98/99, 996L-BE)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	618.04 14.44 21.66 81.82	51.28
08 71 11 00-2153	EA		Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	601.39 13.94 20.91 78.99	51.28
08 71 11 00-2154	EA		Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	511.79 11.25 16.88 63.76	51.28
08 71 11 00-2155	EA		Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	511.79 11.25 16.88 63.76	51.28
08 71 11 00-2156	EA		Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	584.40 13.43 20.14 76.10	51.28
08 71 11 00-2157	EA		Knob Trim Without Cylinder (Von Duprin Series 98/99, K)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	494.80 10.74 16.11 60.87	51.28
08 71 11 00-2158	EA		Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	494.80 10.74 16.11 60.87	51.28
08 71 11 00-2159	EA		Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	574.84 13.14 19.71 74.48	51.28
08 71 11 00-2160	EA		Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	485.24 10.45 15.68 59.24	51.28
08 71 11 00-2161	EA		Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	485.24 10.45 15.68 59.24	51.28
08 71 11 00-2162	EA		Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	522.77 11.58 17.37 65.62	51.28
08 71 11 00-2163	EA		Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	433.17 8.89 13.34 50.39	51.28
08 71 11 00-2164	EA		Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	433.17 8.89 13.34 50.39	51.28
08 71 11 00-2165	EA		Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)..... Note: Satin chrome plated US26D (BHMA 626) finish. For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	432.95 8.89 13.33 50.35	51.28
08 71 11 00-2166			<b>Option And Kits For Series 22, 33, 35, 98 Or 99</b> <small>(08 71 11 00-2085)</small>		
08 71 11 00-2167	EA		Alarm Kit With Switch And 9 Volt Battery Back-up.....	999.42	51.28
08 71 11 00-2168	EA		4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)..... For Battery Backup (Includes Board And 2 Batteries), Add For Fire Alarm Interface, Add For 2 Relay Panic Device Control Board, Add For 2 Relay Quiet Electric Latch Panic Device Control Board, Add For 4 Relay Output Board, Add For 4 Relay Logic Board, Add For Fused 8 Zone Distribution Board, Add	855.85 60.98 30.49 70.74 82.93 68.30 187.32 24.39	51.28
08 71 11 00-2169	EA		Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10).....	800.02	51.28



## 08 Openings

## 08 70 Hardware

## 08 71 Door Hardware

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2170	EA		2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902).....	419.75	51.28
			<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	60.98	
			<i>For Fire Alarm Interface, Add</i>	30.49	
			<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	82.93	
			<i>For 4 Relay Output Board, Add</i>	68.30	
			<i>For 4 Relay Logic Board, Add</i>	187.32	
			<i>For Fused 8 Zone Distribution Board, Add</i>	24.39	
08 71 11 00-2171	EA		4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904).....	670.18	51.28
			<i>For Battery Backup (Includes Board And 2 Batteries), Add</i>	60.98	
			<i>For Fire Alarm Interface, Add</i>	30.49	
			<i>For 2 Relay Quiet Electric Latch Panic Device Control Board, Add</i>	82.93	
			<i>For 4 Relay Output Board, Add</i>	68.30	
			<i>For 4 Relay Logic Board, Add</i>	187.32	
			<i>For Fused 8 Zone Distribution Board, Add</i>	24.39	
08 71 11 00-2172	EA		Request to Exit Push Pad Monitor Switch (RX).....	240.19	34.19
08 71 11 00-2173	EA		EL Conversion Kit, Electric Latch Retraction (Von Duprin).....	1,079.52	
			Note: For Von Duprin Series 33A/35A/98/99 Exit Device		
<b>08 71 11 00-2174</b>			<b>Removable Verticals, Mullions (Von Duprin)</b> <small>(08 71 11 00-2085)</small>		
08 71 11 00-2175	EA		7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72).....	592.36	34.19
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-455.61	
08 71 11 00-2176	EA		8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82).....	628.02	34.19
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-491.27	
08 71 11 00-2177	EA		10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102).....	1,012.62	34.19
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-875.87	
08 71 11 00-2178	EA		7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76).....	1,000.05	41.03
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-835.95	
08 71 11 00-2179	EA		8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86).....	1,035.70	41.03
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-871.60	
08 71 11 00-2180	EA		10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106).....	1,113.95	41.03
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-949.85	
08 71 11 00-2181	EA		7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73).....	1,033.73	34.19
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-896.98	
08 71 11 00-2182	EA		8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83).....	1,080.35	34.19
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-943.60	
08 71 11 00-2183	EA		10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103).....	1,174.83	34.19
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,038.08	
08 71 11 00-2184	EA		7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75).....	1,593.98	41.03
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,429.88	
08 71 11 00-2185	EA		8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85).....	1,640.60	41.03
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-1,476.50	
08 71 11 00-2186	EA		10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105).....	3,105.38	41.03
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-2,941.28	
08 71 11 00-2187	EA		Mullion Stabilizer Set (Von Duprin 154).....	128.98	27.35
			Note: For use with Von Duprin Panic rim devices.		
			<i>For Owner Furnished Material, Deduct</i>	-74.28	
<b>08 71 11 00-2188</b>			<b>Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55</b> <small>(08 71 11 00-2085)</small>		
			Note: Grade 1, BHMA 156.3.		
08 71 11 00-2189	EA		42" Crossbar Exit Device, Rim Type, Narrow Stile.....	2,302.03	153.85
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	238.36	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	274.31	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	361.33	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	393.49	
08 71 11 00-2190	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile.....	2,971.37	211.97
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	302.89	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	348.56	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	459.14	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	500.00	
08 71 11 00-2191	EA		42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated.....	3,239.78	211.97
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	336.70	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	387.48	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	510.40	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	555.83	
08 71 11 00-2192	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile.....	3,037.73	211.97
			Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
			<i>For Satin Chrome Plated US26D (BHMA 626) Finish, Add</i>	311.25	
			<i>For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add</i>	358.18	
			<i>For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add</i>	471.81	
			<i>For Bright Stainless Steel US32 (BHMA 629) Finish, Add</i>	513.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2193	EA		42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	3,298.22 344.07 395.95 521.56 567.99	211.97
08 71 11 00-2194	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,317.42 227.38 261.67 344.68 375.36	191.45
08 71 11 00-2195	EA		42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,492.74 249.47 287.09 378.17 411.83	191.45
08 71 11 00-2196	EA		Dummy Trim (DT) Pull Bracket, Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	394.25 41.06 47.25 62.24 67.78	25.64
08 71 11 00-2197	EA		Cylinder Assembly, Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	187.85 11.61 13.36 17.59 19.16	36.24
08 71 11 00-2198	EA		Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	654.81 70.44 81.07 106.78 116.29	36.24
08 71 11 00-2199	EA		Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	707.72 71.94 82.79 109.06 118.76	51.28
08 71 11 00-2200	EA		Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	586.42 56.66 65.20 85.89 93.53	51.28
08 71 11 00-2201	EA		Lever Trim (371L) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	707.72 71.94 82.79 109.06 118.76	51.28
08 71 11 00-2202	EA		Lever Trim (575L) With Cylinder, Von Duprin Series 55 ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	812.70 85.17 98.01 129.11 140.60	51.28
08 71 11 00-2203			<b>Cross Bar Exit Device, Von Duprin Series 88</b> (08 71 11 00-2085) Note: Grade 1, BHMA 156.3.		
08 71 11 00-2204	EA		42" Crossbar, Rim Type, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,482.92 33.25 34.33 292.84	153.85
08 71 11 00-2205	EA		42" Crossbar, Fire Rated, Rim Type, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,719.64 40.59 41.90 357.46	153.85
08 71 11 00-2206	EA		42" Crossbar, Surface Vertical Rods, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,912.62 44.03 45.45 387.75	184.62
08 71 11 00-2207	EA		42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,424.68 59.90 61.84 527.54	184.62
08 71 11 00-2208	EA		42" Crossbar, Concealed Vertical Rods, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,858.98 40.04 41.33 352.57	211.97

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 71 11 00-2209	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,324.60 54.47 56.23 479.68	211.97
08 71 11 00-2210	EA	42" Crossbar, Mortise Lock, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	1,978.69 45.44 46.91 400.19	191.45
08 71 11 00-2211	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device ..... Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	2,099.53 49.19 50.78 433.17	191.45
08 71 11 00-2212	EA	Dummy Trim (Von Duprin Series 88, DT) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	224.88 4.85 5.01 42.72	25.64
08 71 11 00-2213	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	350.73 7.91 8.16 69.62	34.19
08 71 11 00-2214	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	618.12 14.92 15.40 131.41	51.28
08 71 11 00-2215	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	578.50 13.69 14.14 120.60	51.28
08 71 11 00-2216	EA	Knob Trim With Cylinder (Von Duprin Series 88, K) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	437.31 9.32 9.62 82.05	51.28
08 71 11 00-2217	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP) ..... Note: Anodized finish: dull brass or dull bronze. For Satin Chrome Plated US26D (BHMA 626) Finish, Add For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add For Bright Stainless Steel US32 (BHMA 629) Finish, Add	437.31 9.32 9.62 82.05	51.28

**08 71 11 00-2218 Push Bar Exit Device (PDQ 6200 Series)** (08 71 11 00-2085)

Note: Grade 1, BHMA 156.3.

08 71 11 00-2219	EA	3' Push Bar Exit Device, Rim Type (PDQ 6200R) ..... Note: Satin stainless steel US 32D (630 BHMA) finish.	938.75	153.85
08 71 11 00-2220	EA	Grip Pull Passage Trim With Thumb Piece (PDQ 6 GW 15) ..... Note: Satin stainless steel US 32D (630 BHMA) finish.	387.67	51.28

**08 71 11 00-2221 Door Closers** (08 71 11)

Note: Includes standard cover and arm.

08 71 11 00-2222	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series) ..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Parallel Arm, Add	520.67 12.60 6.60 39.60 19.80 13.80 101.40 127.20 22.40	39.65
08 71 11 00-2223	EA	Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series) ..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add	628.00 12.60 6.60 39.60 19.80 13.80 101.40 127.20	39.65
08 71 11 00-2224	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series) ..... For Delayed Action, Add For AVB (5 LB Per Push), Add For Fusible Link Arm, Add For Shock Absorbing Arm, Add For Hold Open Arm, Add For Plated Brass Finish, Add For Plated Finish With Clear Coat, Add For Spring Cush Arm, Add For Parallel Arm And PA Shoe, Add For Stainless Steel Finish, Add	645.06 12.60 6.60 39.60 19.80 13.80 101.40 127.20 67.20 22.40 145.00	39.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2225	EA		Surface Mounted High Security Door Closer With Metal Cover (LCN 4510).....	666.42	39.65
			<i>For Delayed Action, Add</i>	12.60	
			<i>For AVB (5 LB Per Push), Add</i>	6.60	
			<i>For Fusible Link Arm, Add</i>	39.60	
			<i>For Shock Absorbing Arm, Add</i>	19.80	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2226	EA		Surface Mounted Standard Duty Door Closer (Norton 8301) .....	440.29	39.65
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2227	EA		Surface Mounted Standard Duty Door Closer (Norton 8501) .....	443.89	39.65
			<i>For Parallel Arm, Add</i>	22.40	
08 71 11 00-2228	EA		Open In, Stainless Steel Door Closer (Tycoon EK-1) .....	1,914.71	27.35
			Note: Stainless steel linkage arm stainless steel ball bearing. Made to install on a LCN 411 Door Closer Cylinder.		
			<i>For &gt;24, Deduct</i>	-72.90	
08 71 11 00-2229	EA		Open Out, Stainless Steel Door Closer (Tycoon EK-1) .....	2,065.56	27.35
			Note: Stainless steel linkage arm stainless steel ball bearing. Made to install on a LCN 411 Door Closer Cylinder.		
			<i>For &gt;24, Deduct</i>	-79.08	
08 71 11 00-2230	EA		Removal And Replacement Of Stainless Steel Arm For Tycoon EK-1 .....	1,278.95	
08 71 11 00-2231	EA		Removal And Replacement Of Stainless Steel Bearing For Tycoon EK-1 .....	190.63	
08 71 11 00-2232	EA		Removal And Replacement Of Stainless Steel Cover (Box) For Tycoon EK-1.....	632.42	
08 71 11 00-2233	EA		Surface Mounted, Streamline Cover, Heavy Duty Door Closer (PDQ 5301 BC PA).....	363.33	39.65
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	6.86	
08 71 11 00-2234	EA		Surface Mounted, Streamline Cover, Heavy Duty Door Closer, Positive Stop And Hold (PDQ 5301 BC PA HO).....	432.97	39.65
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.44	
08 71 11 00-2235	EA		Surface Mounted, Streamline Cover, Heavy Duty Door Closer, Positive Stop (PDQ 5301 BC DS).....	452.96	39.65
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.43	
08 71 11 00-2236	EA		Surface Mounted, Streamline Cover, Heavy Duty Door Closer, Hold Open (PDQ 5301 BC DSHO).....	460.36	39.65
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.44	
08 71 11 00-2237	EA		Surface Mounted, Full Cover, Heavy Duty Door Closer (PDQ 5501 BC PA).....	364.48	39.65
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.44	
08 71 11 00-2238	EA		Surface Mounted, Full Cover, Heavy Duty Door Closer, Positive Stop And Hold (PDQ 5501 BC PA HO).....	434.12	39.65
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	3.43	
08 71 11 00-2239	EA		Surface Mounted, Full Cover, Heavy Duty Door Closer, Positive Stop (PDQ 5501 BC DS).....	454.09	39.65
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
			<i>For Delayed Action, Add</i>	6.86	
08 71 11 00-2240	EA		Surface Mounted, Full Cover, Heavy Duty Door Closer, Hold Open (PDQ 5501 BC DSHO).....	461.51	39.65
			Note: Aluminum US 28 (689 BHMA) finish.		
			<i>For Delayed Action, Add</i>	3.44	
			<i>For Bright Chrome Plated Finish US26 (BHMA 625), Add</i>	74.00	
<b>08 71 11 00-2241</b>			<b>Concealed Door Closers (08 71 11)</b>		
08 71 11 00-2242	EA		Non-Hold Open, Floor Concealed Door Closer (Rixson 27/28) .....	1,472.99	117.60
08 71 11 00-2243	EA		Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27).....	1,573.58	117.60
08 71 11 00-2244	EA		Concealed (In Door) Overhead Door Closer (LCN 3130) .....	742.02	47.86
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
08 71 11 00-2245	EA		Concealed (In Frame) Overhead Door Closer (LCN 5010).....	800.86	47.86
			<i>For Delayed Action, Add</i>	12.60	
			<i>For Hold Open Arm, Add</i>	13.80	
			<i>For Plated Brass Finish, Add</i>	101.40	
			<i>For Plated Finish With Clear Coat, Add</i>	127.20	
<b>08 71 11 00-2246</b>			<b>Locks And Latches (08 71 11)</b>		
			Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.		
<b>08 71 11 00-2247</b>			<b>Locksmith Services (08 71 11 00-2246)</b>		
08 71 11 00-2248	EA		Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys.....	1.86	
			<i>For &gt;50, Deduct</i>	-0.37	
08 71 11 00-2249	EA		Rekey Existing Cylinder To Match Existing Cylinders Or Master Key.....	164.17	
			<i>For &gt;5, Deduct</i>	-16.42	
08 71 11 00-2250	EA		Removal And Replacement Of Cylinder With Owner Supplied Cylinder.....	164.17	
			<i>For &gt;5, Deduct</i>	-16.42	
08 71 11 00-2251	EA		Removal And Replacement Of Cylinder With New Cylinder.....	184.01	
			Note: Excludes core.		
			<i>For &gt;5, Deduct</i>	-16.42	
08 71 11 00-2252	EA		Open Locked Doors.....	164.17	
08 71 11 00-2253	EA		Install Owner Furnished Cores And Cylinders.....	68.72	
<b>08 71 11 00-2254</b>			<b>Mortise Locksets And Latchsets (08 71 11 00-2246)</b>		
			Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.		

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-2255	EA	Passage/Closet F01 Mortise Latchset .....	850.02	34.19
		Note: Both sides always unlocked.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	23.54	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	21.40	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	35.66	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	251.78	
08 71 11 00-2256	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset .....	1,008.51	34.19
		Note: Locked with thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	28.77	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	26.15	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	43.59	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	307.73	
08 71 11 00-2257	EA	Entrance/Office F04 Mortise Lockset .....	1,120.60	34.19
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	32.47	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	29.52	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	49.19	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	347.30	
08 71 11 00-2258	EA	Classroom F05 Mortise Lockset .....	1,046.98	34.19
		Note: Locked with key outside. Inside always unlocked.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	30.04	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	27.31	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	45.51	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	321.31	
		For Security Function (Double Cylinder) With Visual Indicator, Add	80.60	
08 71 11 00-2259	EA	Storeroom/Closet F07 Mortise Lockset .....	1,046.98	34.19
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	30.04	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	27.31	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	45.51	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	321.31	
08 71 11 00-2260	EA	Entrance F08 Mortise Lockset .....	1,167.54	34.19
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	34.02	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	30.92	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	51.54	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	363.87	
08 71 11 00-2261	EA	Dormitory/Exit F13 Mortise Lockset .....	1,007.40	34.19
		Note: Locked with key outside and thumb knob inside.		
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	28.73	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	26.12	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	43.53	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	307.34	

**08 71 11 00-2262 Locks And Latches** (08 71 11 00-2246)**08 71 11 00-2263 Preassembled Locks And Latches** (08 71 11 00-2262)

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2264	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210) .....	1,747.05	34.19
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	49.33	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	82.22	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	580.50	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	305.88	
		For Grade 2, Deduct	-639.71	
08 71 11 00-2265	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220) .....	1,890.82	34.19
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	53.65	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	89.41	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	631.26	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	332.62	
		For Grade 2, Deduct	-695.63	
08 71 11 00-2266	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261) .....	2,148.61	34.19
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	61.38	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	102.30	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	722.26	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	380.57	
		For Grade 2, Deduct	-795.91	
08 71 11 00-2267	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255) .....	2,148.61	34.19
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	61.38	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	102.30	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	722.26	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	380.57	
		For Grade 2, Deduct	-795.91	
08 71 11 00-2268	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257) .....	2,148.61	34.19
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	61.38	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	102.30	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	722.26	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	380.57	
		For Grade 2, Deduct	-795.91	

**08 71 11 00-2269 Bored Locks And Latches** (08 71 11 00-2262)

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 71 11 00-2270	EA		Passage/Closet F75 Bored Latchset ..... Note: Both sides always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	308.01  5.14 8.56 60.45 31.85 -8.56 3.43 9.45	34.19
08 71 11 00-2271	EA		Bath/Bedroom Privacy F76 Bored Lockset ..... Note: Locked with push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	348.85  6.36 10.61 74.87 39.45 -10.61 4.24 9.45	34.19
08 71 11 00-2272	EA		Entrance/Office F82 Bored Lockset ..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	381.77  7.35 12.25 86.49 45.57 -12.25 4.90 9.45	34.19
08 71 11 00-2273	EA		Classroom F84 Bored Lockset ..... Note: Locked with key outside. Inside always unlocked. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	381.77  7.35 12.25 86.49 45.57 -12.25 4.90 9.45	34.19
08 71 11 00-2274	EA		Storeroom/Closet F86 Bored Lockset ..... Note: Locked with key outside. Inside always unlocked. Fixed outside handle. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	381.77  7.35 12.25 86.49 45.57 -12.25 4.90 9.45	34.19
08 71 11 00-2275	EA		Corridor/Dormitory F90 Bored Lockset ..... Note: Locked with key outside and push button inside. For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add For Satin Stainless Steel US32D (BHMA 630) Finish, Add For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add For Grade 2, Deduct For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add For Interchangeable Core, Add	381.77  7.35 12.25 86.49 45.57 -12.25 4.90 9.45	34.19

**08 71 11 00-2276 Other Locks (08 71 11 00-2246)**  
 Note: BHMA A156.5.

08 71 11 00-2277	PR		Screen Door - Hinges .....	38.40	11.81
08 71 11 00-2278	EA		Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421 .....	1,061.07	177.78
08 71 11 00-2279	EA		Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461 .....	2,373.67	355.55

**08 71 11 00-2280 Pushbutton Combination Locks (08 71 11 00-2246)**

**08 71 11 00-2281 Mechanical Pushbutton Combination Locks (08 71 11 00-2280)**

Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.

**08 71 11 00-2282 Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)**

(08 71 11 00-2281)  
 Note: Satin chrome or antique brass finish.

08 71 11 00-2283	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1011 Series) .....	872.35	85.89
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	48.91	
			For Fire Rated, Add	66.92	
08 71 11 00-2284	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1311 Series) .....	934.55	85.89
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	48.91	
			For Fire Rated, Add	66.92	
08 71 11 00-2285	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1021 Series) .....	959.43	85.89
			For Bright Chrome Or Bright Brass Finish, Add	17.50	
			For Schlage Core, Add	48.91	
			For Fire Rated, Add	66.92	



**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2286	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1041 Series).....	1,021.64	85.89
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	48.91	
			<i>For Fire Rated, Add</i>	66.92	
08 71 11 00-2287	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1011 Series).....	978.10	85.89
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	48.91	
			<i>For Fire Rated, Add</i>	66.92	
08 71 11 00-2288	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1031 Series).....	1,040.30	85.89
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	48.91	
			<i>For Fire Rated, Add</i>	66.92	
08 71 11 00-2289	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1021 Series).....	1,065.18	85.89
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	48.91	
			<i>For Fire Rated, Add</i>	66.92	
08 71 11 00-2290	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1041 Series).....	1,127.39	85.89
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	48.91	
			<i>For Fire Rated, Add</i>	66.92	
08 71 11 00-2291			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)</b> <small>(08 71 11 00-2281)</small> Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2292	EA		Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	963.17	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2293	EA		Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series).....	1,012.93	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2294	EA		Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,112.46	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2295	EA		Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,149.78	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2296	EA		Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,149.78	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2297	EA		Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series).....	1,087.58	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2298			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)</b> <small>(08 71 11 00-2281)</small> Note: Satin chrome or antique brass finish.		
08 71 11 00-2299	EA		Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,158.49	85.89
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2300	EA		Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series).....	1,195.82	85.89
			<i>For Bright Chrome Or Bright Brass Finish, Add</i>	17.50	
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2301			<b>Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)</b> <small>(08 71 11 00-2281)</small> Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2302	EA		Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series).....	515.29	85.89
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2303	EA		Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series).....	679.51	85.89
			<i>For Schlage Core, Add</i>	48.91	
08 71 11 00-2304			<b>Electrical Pushbutton Combination Locks</b> <small>(08 71 11 00-2280)</small> Note: Privacy option limits access to privileged users (master codes).		
08 71 11 00-2305			<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series)</b> <small>(08 71 11 00-2304)</small> Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2306	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	903.45	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2307	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,052.74	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2308	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,090.07	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2309	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series).....	1,027.86	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2310	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	965.66	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2311	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,090.07	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2312	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,114.95	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2313	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,152.27	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
08 71 11 00-2314	EA		Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series).....	1,090.07	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
<b>08 71 11 00-2315</b>			<b>Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series)</b> <small>(08 71 11 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.		
08 71 11 00-2316	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	1,152.27	85.89
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.54	
			Note: Excludes momentary contact switch.		
08 71 11 00-2317	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series).....	1,152.27	85.89
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.54	
			Note: Excludes momentary contact switch.		
<b>08 71 11 00-2318</b>			<b>Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series)</b> <small>(08 71 11 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2319	EA		Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,345.11	85.89
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.54	
			Note: Excludes momentary contact switch.		
08 71 11 00-2320	EA		Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series).....	1,345.11	85.89
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.54	
			Note: Excludes momentary contact switch.		
<b>08 71 11 00-2321</b>			<b>Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series)</b> <small>(08 71 11 00-2304)</small>		
			Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.		
08 71 11 00-2322	EA		Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,444.64	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.54	
			Note: Excludes momentary contact switch.		
08 71 11 00-2323	EA		Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,569.05	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.54	
			Note: Excludes momentary contact switch.		
08 71 11 00-2324	EA		Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,593.93	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.54	
			Note: Excludes momentary contact switch.		
08 71 11 00-2325	EA		Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,631.25	85.89
			<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
			<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
			<i>For Remote Unlock, Add</i>	107.54	
			Note: Excludes momentary contact switch.		

## 08 Openings

08 70 Hardware

08 71 Door Hardware

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-2326	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series).....	1,569.05	85.89
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	107.54	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2327		<b>Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series)</b> (08 71 11 00-2304)		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2328	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,035.59	85.89
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	107.54	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2329	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,160.00	85.89
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	107.54	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2330	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,184.88	85.89
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	107.54	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2331	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,222.21	85.89
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	107.54	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2332	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series).....	2,160.00	85.89
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Remote Unlock, Add</i>	107.54	
		<i>Note: Excludes momentary contact switch.</i>		
08 71 11 00-2333		<b>Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series)</b> (08 71 11 00-2304)		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2334	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series).....	2,881.58	85.89
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	35.00	
08 71 11 00-2335		<b>Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series)</b> (08 71 11 00-2304)		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.</i>		
08 71 11 00-2336	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series).....	1,817.87	85.89
		<i>For Bright Chrome, Bright Brass Or Satin Brass Finish, Add</i>	17.50	
		<i>For Dark Bronze Finish With Brass Accents, Add</i>	70.00	
08 71 11 00-2337		<b>Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series)</b> (08 71 11 00-2304)		
		<i>Note: ANSI/BHMA Grade 1. Satin chrome finish.</i>		
08 71 11 00-2338	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,121.17	85.89
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-777.57	
08 71 11 00-2339	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,270.46	85.89
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-926.86	
08 71 11 00-2340	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,307.79	85.89
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-964.19	
08 71 11 00-2341	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series).....	1,245.58	85.89
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-901.98	
08 71 11 00-2342	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,183.37	85.89
		<i>For Satin Brass Finish, Add</i>	17.50	
		<i>For Owner Furnished Material, Deduct</i>	-839.77	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2343	EA		Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,307.79	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-964.19	
08 71 11 00-2344	EA		Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,332.67	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-989.07	
08 71 11 00-2345	EA		Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,369.99	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-1,026.39	
08 71 11 00-2346	EA		Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series).....	1,307.79	85.89
			<i>For Satin Brass Finish, Add</i>	17.50	
			<i>For Owner Furnished Material, Deduct</i>	-964.19	
<b>08 71 11 00-2347</b>			<b>Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®)</b> (08 71 11 00-2304)		
08 71 11 00-2348	EA		Standard Software Implementation Kit (Kaba® E-Plex®).....	896.93	
08 71 11 00-2349	EA		Enterprise Software Implementation Kit (Kaba® E-Plex®).....	1,145.75	
08 71 11 00-2350	EA		E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®).....	1,518.98	
08 71 11 00-2351	EA		USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®).....	454.69	
08 71 11 00-2352	EA		High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series).....	138.87	
			Note: Includes 4 C-cell battery pack.		
08 71 11 00-2353	EA		12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series).....	164.99	
<b>08 71 11 00-2354</b>			<b>Electrical Pushbutton Combination Locks (Schlage)</b> (08 71 11 00-2304)		
			Note: ANSI/BHMA Grade 1. Satin chrome finish.		
08 71 11 00-2355	EA		Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D).....	1,094.17	85.47
			<i>For Owner Furnished Material, Deduct</i>	-752.30	
08 71 11 00-2356	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D).....	1,263.06	85.47
			<i>For Owner Furnished Material, Deduct</i>	-921.19	
08 71 11 00-2357	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626).....	1,422.07	85.47
			<i>For Owner Furnished Material, Deduct</i>	-1,080.20	
08 71 11 00-2358	EA		Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626).....	1,849.76	85.47
			<i>For Owner Furnished Material, Deduct</i>	-1,507.89	
08 71 11 00-2359	EA		Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626).....	2,019.74	85.47
			<i>For Owner Furnished Material, Deduct</i>	-1,677.87	
08 71 11 00-2360	EA		Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626).....	2,219.33	85.47
			<i>For Owner Furnished Material, Deduct</i>	-1,877.46	
08 71 11 00-2361	EA		Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626).....	2,041.68	85.47
			<i>For Owner Furnished Material, Deduct</i>	-1,699.81	
<b>08 71 11 00-2362</b>			<b>Residential Locks And Latchsets</b> (08 71 11 00-2246)		
08 71 11 00-2363	EA		Residential Entry Lockset With Knobs (Master Keyed).....	98.95	20.61
08 71 11 00-2364	EA		Residential Privacy Lockset With Knobs.....	97.10	20.61
08 71 11 00-2365	EA		Residential Passage Lockset With Knobs.....	96.85	20.61
08 71 11 00-2366	EA		Residential Dummy Lockset With Knobs.....	77.25	17.18
08 71 11 00-2367	EA		Residential Entry Lockset With Levers (Master Keyed).....	111.75	20.61
08 71 11 00-2368	EA		Residential Privacy Lockset With Levers.....	107.50	20.61
08 71 11 00-2369	EA		Residential Passage Lockset With Levers.....	104.42	20.61
08 71 11 00-2370	EA		Residential Dummy Lockset With Levers.....	78.71	17.18
08 71 11 00-2371	EA		Screen Door - Closer.....	61.77	14.84
08 71 11 00-2372	EA		Screen Door - Locking Handle.....	68.96	21.30
<b>08 71 11 00-2373</b>			<b>Deadbolts</b> (08 71 11 00-2246)		
<b>08 71 11 00-2374</b>			<b>Cylindrical Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2373)		
			Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2375	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	210.69	34.19
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2376	EA		Double Cylinder Deadbolt, Key Both Sides.....	237.50	34.19
			Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
<b>08 71 11 00-2377</b>			<b>Cylindrical Deadbolts, Grade 2, ANSI 156.5</b> (08 71 11 00-2373)		
			Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2378	EA		Single Cylinder Deadbolt, Key One Side, Knob One Side.....	192.32	34.19
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	
08 71 11 00-2379	EA		Double Cylinder Deadbolt, Key Both Sides.....	221.61	34.19
			Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.		
			<i>For Bright Chromium Or Oiled Rubbed Bronze Finish, Add</i>	4.20	

**08 Openings****08 70 Hardware****08 71 Door Hardware**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 71 11 00-2380		<b>Small Case Mortised Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2373) Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2381	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side ..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	271.80	34.19
08 71 11 00-2382	EA	Small Case Mortised Deadbolt, Key Both Sides ..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	296.62	34.19
08 71 11 00-2383	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side ..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	266.83	34.19
08 71 11 00-2384		<b>Mortised Deadbolts, Grade 1, ANSI 156.5</b> (08 71 11 00-2373) Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2385	EA	Mortised Deadbolt, Key One Side, Knob One Side ..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	339.32	34.19
08 71 11 00-2386	EA	Mortised Deadbolt, Key Both Sides ..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	380.03	34.19
08 71 11 00-2387	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side ..... Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	304.57	34.19
08 71 11 00-2388		<b>Surface Mounted Deadbolts</b> (08 71 11 00-2373)		
08 71 11 00-2389	EA	Single Cylinder Surface Mounted Deadbolt ..... Note: Key one side, knob one side, bright brass finish.	152.31	34.19
		<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2390	EA	Double Cylinder Surface Mounted Deadbolt ..... Note: Key both sides, bright brass finish.	170.25	34.19
		<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2391	EA	Single Cylinder Surface Mounted Interlocking Deadbolt ..... Note: Jimmy proof, key one side, knob one side, bright brass finish.	184.52	34.19
		<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2392	EA	Double Cylinder Surface Mounted Interlocking Deadbolt ..... Note: Jimmy proof, key both sides, bright brass finish.	202.46	34.19
		<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2393		<b>Surface Mounted Deadlatches</b> (08 71 11 00-2246)		
08 71 11 00-2394	EA	Single Cylinder Surface Mounted Deadlatch ..... Note: Key one side, knob one side, bright brass finish.	153.72	34.19
		<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2395	EA	Single Cylinder Surface Mounted Interlocking Deadlatch ..... Note: Jimmy proof, key one side, knob one side, bright brass finish.	184.59	34.19
		<i>For Brushed Chrome Finish, Add</i>	10.50	
08 71 11 00-2396		<b>Electric Strikes</b> (08 71 11 00-2246)		
08 71 11 00-2397	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100).....	403.02	68.38
08 71 11 00-2398	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111)..... Note: For rim mounted lock	1,157.71	68.38
08 71 11 00-2399	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112)..... Note: For rim mounted lock	1,106.64	68.38
08 71 11 00-2400	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211)..... Note: For mortise or cylindrical locks	855.72	68.38
08 71 11 00-2401	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212)..... Note: For mortise or cylindrical locks	1,163.15	68.38
08 71 11 00-2402	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213)..... Note: For mortise or cylindrical locks	1,140.99	68.38
08 71 11 00-2403	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214)..... Note: For mortise or cylindrical locks	1,243.22	68.38
08 71 11 00-2404	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215)..... Note: For mortise or cylindrical locks	1,158.63	68.38
08 71 11 00-2405	EA	12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006).....	716.52	68.38
08 71 11 00-2406	EA	12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500).....	712.38	68.38
08 71 11 00-2407	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000).....	356.02	68.38
08 71 11 00-2408	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200).....	356.02	68.38
08 71 11 00-2409	EA	12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000).....	452.81	68.38
08 71 11 00-2410	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500).....	795.15	68.38
08 71 11 00-2411	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000).....	400.85	68.38
08 71 11 00-2412	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300).....	731.92	68.38
08 71 11 00-2413	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Concealed Electric Strike (HES 8500).....	648.46	68.38
08 71 11 00-2414	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400).....	772.04	90.25
08 71 11 00-2415	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500).....	876.12	90.25
08 71 11 00-2416	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600).....	772.60	90.25
08 71 11 00-2417		<b>Electric Hardware</b> (08 71 11 00-2246)		
08 71 11 00-2418	EA	Electrified Cylindrical Lock Option ..... Note: Excludes the lock. This task is used in conjunction with other to electrify the lock.	218.12	
08 71 11 00-2419	EA	Electrified Mortise Lock Option ..... Note: Excludes the lock. This task is used in conjunction with other locks to electrify the lock.	252.90	
08 71 11 00-2420	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop.....	134.11	34.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2421	EA		1 Ampere At 12/24 Volt DC, Door Hardware Power Supply .....	420.18	34.19
08 71 11 00-2422	EA		3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply.....	729.52	34.19
08 71 11 00-2423	EA		4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply .....	1,117.51	34.19
08 71 11 00-2424	EA		6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,234.76	34.19
08 71 11 00-2425	EA		9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,474.52	34.19
08 71 11 00-2426	EA		15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply.....	1,788.38	34.19
<b>08 71 11 00-2427</b>			<b>Magnetic Locks (08 71 11 00-2246)</b>		
08 71 11 00-2428	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40).....	902.11	164.10
08 71 11 00-2429	EA		Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ).....	1,083.03	184.62
08 71 11 00-2430	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70).....	1,056.61	164.10
08 71 11 00-2431	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ).....	1,237.22	184.62
08 71 11 00-2432	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420) .....	1,105.53	177.78
08 71 11 00-2433	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450) .....	1,211.49	177.78
08 71 11 00-2434	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490) .....	1,293.98	177.78
08 71 11 00-2435	EA		Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P).....	1,421.01	205.13
			Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2436	EA		Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P).....	1,561.87	205.13
			Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2437	EA		Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P).....	1,625.32	205.13
			Note: Includes magnetic bond sensor, door position switch and relock time delay.		
08 71 11 00-2438	EA		2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902) .....	486.52	68.38
08 71 11 00-2439	EA		4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904) .....	802.97	68.38
08 71 11 00-2440	EA		6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906) .....	967.44	68.38
<b>08 71 11 00-2441</b>			<b>Occupancy Indicator Locks (08 71 11 00-2246)</b>		
08 71 11 00-2442	EA		Occupancy Indicator Deadbolt With Thumbturn (Schlage B571).....	162.31	34.17
			Note: Standard finish is satin chrome		
			For Bright Brass Finish, Add	5.23	
			For Oil Rubbed Bronze Finish, Add	13.99	
			For Aged Bronze Finish, Add	5.23	
			For Satin Nickel Finish, Add	5.23	
08 71 11 00-2443	EA		Occupancy Indicator Lock And Lever (Vizilok C3F).....	236.17	34.17
			Note: Included finishes are satin chrome, satin nickel, & polished chrome. Lever on both sides		
			For Oil Rubbed Bronze Finish, Add	5.68	
<b>08 71 11 00-2444</b>			<b>Door Coordinators (08 71 11)</b>		
08 71 11 00-2445	EA		32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series).....	552.68	42.73
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-152.70	
08 71 11 00-2446	EA		42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series).....	580.37	44.44
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-161.04	
08 71 11 00-2447	EA		52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series).....	594.25	46.15
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-163.85	
08 71 11 00-2448	EA		60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series).....	620.07	47.86
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-171.45	
08 71 11 00-2449	EA		72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series).....	664.60	49.57
			Note: Satin chrome finish. Includes two mounting brackets.		
			For Anodized Aluminum Finish, Deduct	-186.52	
08 71 11 00-2450	EA		Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20").....	130.51	13.68
			For Anodized Aluminum Finish, Deduct	-30.32	
08 71 11 00-2451	EA		Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32").....	143.77	15.38
			For Anodized Aluminum Finish, Deduct	-32.89	
08 71 11 00-2452	EA		Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44").....	165.13	17.09
			For Anodized Aluminum Finish, Deduct	-38.70	
08 71 11 00-2453	EA		Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1) .....	122.27	17.09
08 71 11 00-2454	EA		7" Projection COR Series Gravity Type Door Coordinator.....	180.74	25.64
			For Anodized Aluminum Finish, Deduct	-31.27	
08 71 11 00-2455	EA		9" Projection COR Series Gravity Type Door Coordinator.....	193.25	25.64
			For Anodized Aluminum Finish, Deduct	-36.28	
<b>08 71 11 00-2456</b>			<b>Removal And Reinstallation Of Door Hardware (08 71 11)</b>		
			Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.		
08 71 11 00-2457	EA		Removal And Reinstallation Of Door Lockset, Entrance.....	102.56	
08 71 11 00-2458	EA		Removal And Reinstallation Of Door Lockset, Mortise .....	164.09	
08 71 11 00-2459	EA		Removal And Reinstallation Of Deadbolt Lock .....	109.40	
08 71 11 00-2460	PR		Removal And Reinstallation Of Butts/Hinges .....	27.35	
08 71 11 00-2461	EA		Removal And Reinstallation Of Door Bumper.....	9.57	
08 71 11 00-2462	EA		Removal And Reinstallation Of Surface Mounted Panic Device.....	273.51	
08 71 11 00-2463	EA		Removal And Reinstallation Of Kick Plate .....	34.19	
08 71 11 00-2464	EA		Removal And Reinstallation Of Push Plate.....	27.35	
08 71 11 00-2465	EA		Removal And Reinstallation Of Surface Mounted Door Closer Or Holder .....	136.75	
08 71 11 00-2466	EA		Removal And Reinstallation Of Door Handles .....	20.52	
<b>08 71 11 00-2467</b>			<b>Electromagnetic Door Release (08 71 11)</b>		
08 71 11 00-2468	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release .....	664.57	86.16
08 71 11 00-2469	EA		120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release.....	649.03	86.16

**08 Openings****08 70 Hardware****08 71 Door Hardware**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 71 11 00-2470	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release .....	727.39		86.16
08 71 11 00-2471	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release .....	1,189.94		86.16
08 71 11 00-2472	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release .....	1,148.69		86.16
08 71 11 00-2473	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release .....	1,148.69		86.16
08 71 11 00-2474	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release .....	1,047.81		86.16
08 71 11 00-2475	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release .....	1,302.88		86.16
08 71 11 00-2476	EA	Photo Electric Smoke Detector Suitable For Door Holder Release .....	1,245.10		86.16
08 71 11 00-2477	EA	Ionization Type Smoke Detector Suitable For Door Holder Release .....	1,532.23		86.16
<b>08 71 13 Automatic Door Operators (08 71)</b>					
<b>08 71 13 00-0001 Automatic Door Operators (LCN) (08 71 13)</b>					
08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9131) .....	3,590.72		170.94
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Arm (LCN 9142) .....	3,590.72		170.94
08 71 13 00-0004	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator With Arms (LCN 9153) .....	7,043.57		273.51
08 71 13 00-0005	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) .....	4,495.66		170.94
Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.					
08 71 13 00-0006	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) .....	4,495.66		170.94
Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.					
08 71 13 00-0007	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9553) .....	7,724.83		273.51
08 71 13 00-0008	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Pair Door Operator with Arms (LCN 9563) .....	9,087.37		273.51
08 71 13 00-0009	EA	Door Position Switch (LCN 8310-805) .....	76.42		
08 71 13 00-0010	EA	3-Position Key Switch (LCN 8310-806K) .....	408.44		
08 71 13 00-0011	EA	4-3/4" x 4-3/4" Wall Mount Actuator (LCN 8310-813) .....	975.54		
08 71 13 00-0012	EA	1-1/2" x 4-3/4" Jamb Mount Actuator (LCN 8310-818) .....	221.29		
08 71 13 00-0013	EA	36" High Full Length Actuator (LCN 8310-836T) .....	894.70		
08 71 13 00-0014	EA	6" Round Wall Mount Actuator (LCN 8310-852) .....	303.46		
08 71 13 00-0015	EA	42" x 4" x 6" Post Bollard (LCN 8310-866) .....	1,075.74		
08 71 13 00-0016	EA	Small Format Interchangeable Core (SFIC) Horizontal Tailpiece Rim Cylinder (Schlage 80-116-ICX) .....	120.44		
08 71 13 00-0017	EA	Small Format Interchangeable Core (SFIC) 7 Pin Interchangeable Core (Falcon C607) .....	150.66		
<b>08 71 13 00-0018 Automatic Door Operators (Stanley) (08 71 13)</b>					
08 71 13 00-0019	EA	Automatic Door Operator, Surface Mount With Key Switch (Stanley D-4990) .....	4,335.89		170.94
08 71 13 00-0020	EA	6" Round Stainless Steel Actuator (Stanley CL2216) .....	279.54		
08 71 13 00-0021	EA	Power Supply (Stanley Precision ELR151) .....	977.55		
08 71 13 00-0022	EA	Low Energy Door Operator, Push Side Mount Application With Standard Arm (Stanley D-4990) .....	3,227.09		136.75
Note: Includes control box with conduit access, motor, operator and D-4550 door closer. Excludes electrical connections					
08 71 13 00-0023	EA	Door Operator Free Standing Push Plate Post (Stanley CL2247) .....	534.62		91.21
Note: Includes mounting post only					
08 71 13 00-0024	EA	Dual Vestibule Push Plate Door Operator (Stanley CL2388) .....	364.64		51.43
Note: Includes 4-3/4" Dual Vestibule Push Plate and electrical connection. Excludes junction Box					
08 71 13 00-0025	EA	Jamb Mount, Push Plate Door Operator (Stanley CL2055) .....	236.46		51.43
Note: Includes 4-3/4" Jamb Mount Push Plate and Electrical Connections. Excludes junction Box					
08 71 13 00-0026	EA	Touchless Plate Door Operator (Stanley CL2025) .....	360.24		51.43
Note: Includes Touchless Plate and Electrical Connection. Excludes junction Box					
08 71 13 00-0027	EA	Door Operator Push Plate Assembly (Stanley CL4976) .....	1,183.01		77.22
Note: Includes 2 Push Plates, 2 Surface Boxes, 2 Transmitters and 1 Receiver					
<b>08 71 13 00-0028 Miscellaneous Devices (08 71 13)</b>					
08 71 13 00-0029	EA	Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches .....	559.34		51.28
08 71 13 00-0030	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764) .....	170.77		30.77
08 71 13 00-0031	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750) .....	214.46		30.77
08 71 13 00-0032	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S) .....	124.38		30.77
<b>08 71 53 Security Door Hardware (08 71)</b>					
<b>08 71 53 00-0001 Door Exit Alarm Hardware (08 71 53)</b>					
08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500) .....	405.51		51.28
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W) .....	558.62		51.28
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300) .....	470.91		51.28
Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.					
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W) .....	606.32		51.28
Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.					
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500) .....	705.52		68.38
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S) .....	125.02		68.38
Note: For use with Detex EAX exit alarms.					

**08 72 Weatherstripping, Thresholds and Seals (08 70)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 72 33 Weatherstripping and Seals (08 72)**

08 72 33 00-0001			Weather-Stripping And Seals (08 72 33)		
08 72 33 00-0002			Astragals (08 72 33 00-0001) Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.		
08 72 33 00-0003			Adhesive Backed Astragals (08 72 33 00-0002)		
08 72 33 00-0004	LF		7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	5.86	1.03
08 72 33 00-0005	LF		1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	6.53	1.03
08 72 33 00-0006	LF		1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	4.99	1.03
08 72 33 00-0007			Overlapping Astragals (08 72 33 00-0002)		
08 72 33 00-0008			Aluminum, Overlapping Astragals (08 72 33 00-0007)		
08 72 33 00-0009	LF		2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	23.38	6.15
			For Color Anodized Finish, Add	3.36	
08 72 33 00-0010			Stainless Steel, Overlapping Astragals (08 72 33 00-0007)		
08 72 33 00-0011	LF		2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	47.28	6.15
08 72 33 00-0012			"T" Astragals (08 72 33 00-0002)		
08 72 33 00-0013			Aluminum, "T" Astragals (08 72 33 00-0012)		
08 72 33 00-0014	LF		1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	15.19	6.15
			For Color Anodized Finish, Add	1.06	
08 72 33 00-0015	LF		Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	19.12	6.15
			For Color Anodized Finish, Add	1.39	
08 72 33 00-0016	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	19.73	6.15
			For Color Anodized Finish, Add	2.65	
			For Silicone Insert, Add	0.63	
08 72 33 00-0017	LF		Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	36.57	6.15
			For Color Anodized Finish, Add	8.54	
08 72 33 00-0018			Brass/Bronze, "T" Astragals (08 72 33 00-0012)		
08 72 33 00-0019	LF		Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	64.90	6.15
			For Silicone Insert, Add	0.63	
08 72 33 00-0020			Locking Astragals (08 72 33 00-0002)		
08 72 33 00-0021			Outswing Locking Astragals (08 72 33 00-0020) Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.		
08 72 33 00-0022			Aluminum, Outswing Locking Astragals (08 72 33 00-0021)		
08 72 33 00-0023	LF		Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	48.97	6.15
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Color Anodized Finish, Add	7.36	
08 72 33 00-0024	LF		Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	56.86	6.15
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Color Anodized Finish, Add	8.94	
08 72 33 00-0025	LF		Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	54.95	6.15
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Thermal Break, Add	2.57	
08 72 33 00-0026	LF		Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	61.36	6.15
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Thermal Break, Add	2.95	
08 72 33 00-0027			Inswing Locking Astragals (08 72 33 00-0020) Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.		
08 72 33 00-0028			Wood, Inswing Locking Astragals (08 72 33 00-0027)		
08 72 33 00-0029	LF		Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	57.35	6.15
08 72 33 00-0030	LF		Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	57.06	6.15
			Note: Includes kerf-in foam seal.		
08 72 33 00-0031			Aluminum, Inswing Locking Astragals (08 72 33 00-0027)		
08 72 33 00-0032	LF		Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	32.44	6.15
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	4.05	
08 72 33 00-0033	LF		Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	39.03	6.15
			Note: Includes pile seal at inner door edge and neoprene bottom seal.		
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	5.37	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0034	LF		Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ).....	34.93	6.15
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Magnetic Kerf-In Insert, Add	0.47	
			For Color Anodized Finish, Add	4.55	
08 72 33 00-0035	LF		Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ).....	41.47	6.15
			Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
			For Magnetic Kerf-In Insert, Add	0.47	
			For Color Anodized Finish, Add	5.86	
08 72 33 00-0036			<b>Security Astragals</b> (08 72 33 00-0002)		
08 72 33 00-0037	LF		Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C).....	30.24	6.15
			For Color Anodized Finish, Add	18.07	
08 72 33 00-0038	LF		2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP) .....	51.00	6.15
08 72 33 00-0039			<b>Meeting Stile Astragals</b> (08 72 33 00-0002)		
08 72 33 00-0040			<b>One Piece, Meeting Stile Astragals</b> (08 72 33 00-0039)		
			Note: Includes an astragal for one door only.		
08 72 33 00-0041	LF		1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP).....	18.89	6.15
			For Color Anodized Finish, Add	2.02	
08 72 33 00-0042	LF		1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN).....	29.46	9.15
			For Color Anodized Finish, Add	4.48	
08 72 33 00-0043	LF		9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN).....	39.21	9.15
			For Color Anodized Finish, Add	2.10	
08 72 33 00-0044	LF		15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN) .....	40.46	9.15
			For Color Anodized Finish, Add	5.55	
08 72 33 00-0045	LF		1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71).....	42.03	9.15
08 72 33 00-0046			<b>Two Piece, Meeting Stile Split Astragals</b> (08 72 33 00-0039)		
			Note: Includes one astragal for each door.		
08 72 33 00-0047	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV).....	23.40	9.15
			For Silicone Insert, Add	0.95	
			For Color Anodized Finish, Add	5.15	
08 72 33 00-0048	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV).....	23.40	9.15
			For Color Anodized Finish, Add	5.15	
08 72 33 00-0049	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV).....	23.40	9.15
			For Silicone Insert, Add	0.95	
			For Color Anodized Finish, Add	5.15	
08 72 33 00-0050	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN).....	37.08	9.15
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	3.77	
08 72 33 00-0051	LF		3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB).....	30.35	9.15
			For Color Anodized Finish, Add	4.84	
08 72 33 00-0052	LF		5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB).....	31.25	9.15
			For Color Anodized Finish, Add	5.20	
08 72 33 00-0053	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV) .....	37.97	9.15
			For Color Anodized Finish, Add	9.86	
			For Silicone Insert, Add	0.95	
08 72 33 00-0054	LF		3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB).....	38.87	9.15
			For Color Anodized Finish, Add	8.25	
08 72 33 00-0055	LF		5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB).....	39.77	9.15
			For Color Anodized Finish, Add	8.61	
08 72 33 00-0056			<b>Two Piece, Adjustable Meeting Stile Split Astragals</b> (08 72 33 00-0039)		
			Note: Includes one astragal for each door.		
08 72 33 00-0057			<b>Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals</b> (08 72 33 00-0056)		
08 72 33 00-0058	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP).....	71.59	9.15
			For Color Anodized Finish, Add	13.34	
			For Silicone Insert, Add	0.63	
08 72 33 00-0059	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP).....	73.00	9.15
			For Silicone Insert, Add	0.63	
			For Color Anodized Finish, Add	10.95	
08 72 33 00-0060			<b>Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals</b> (08 72 33 00-0056)		

**Weatherstripping, Thresholds and Seals 08 72**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0061	LF		3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP).....	196.83	9.15
			<i>For Silicone Insert, Add</i>	0.63	
08 72 33 00-0062	LF		3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP).....	184.34	9.15
			<i>For Silicone Insert, Add</i>	0.63	
<b>08 72 33 00-0063</b>			<b>Door Sweeps</b> (08 72 33 00-0001)		
<b>08 72 33 00-0064</b>			<b>Tack On Door Sweeps</b> (08 72 33 00-0063)		
08 72 33 00-0065	LF		For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365).....	8.41	3.42
08 72 33 00-0066	LF		For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364).....	8.54	3.42
08 72 33 00-0067	LF		For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V).....	8.94	3.42
<b>08 72 33 00-0068</b>			<b>Aluminum Retainer Door Sweeps</b> (08 72 33 00-0063)		
<b>08 72 33 00-0069</b>			<b>35 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068)		
			Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0070	LF		5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNCB).....	20.17	6.83
			<i>For Color Anodized Finish, Add</i>	2.60	
08 72 33 00-0071	LF		1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNCB).....	20.84	6.83
			<i>For Color Anodized Finish, Add</i>	2.51	
<b>08 72 33 00-0072</b>			<b>45 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068)		
			Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.		
08 72 33 00-0073	LF		1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNCB).....	31.60	6.83
			<i>For Color Anodized Finish, Add</i>	7.17	
08 72 33 00-0074	LF		2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNCB).....	34.29	6.83
			<i>For Color Anodized Finish, Add</i>	8.25	
08 72 33 00-0075	LF		4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNCB).....	40.12	6.83
			<i>For Color Anodized Finish, Add</i>	10.58	
<b>08 72 33 00-0076</b>			<b>90 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068)		
			Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
08 72 33 00-0077	LF		3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNCB).....	22.41	6.83
			<i>For Color Anodized Finish, Add</i>	0.87	
08 72 33 00-0078	LF		5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNCB).....	22.19	6.83
			<i>For Color Anodized Finish, Add</i>	0.85	
08 72 33 00-0079	LF		1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNCB).....	23.76	6.83
			<i>For Color Anodized Finish, Add</i>	3.53	
08 72 33 00-0080	LF		1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNCB).....	24.43	6.83
			<i>For Color Anodized Finish, Add</i>	4.30	
08 72 33 00-0081	LF		7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN).....	21.74	6.83
			<i>For Color Anodized Finish, Add</i>	2.02	
08 72 33 00-0082	LF		11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN).....	28.01	6.83
			<i>For Color Anodized Finish, Add</i>	2.87	
08 72 33 00-0083	LF		15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN).....	23.08	6.83
			<i>For Color Anodized Finish, Add</i>	1.88	
08 72 33 00-0084	LF		9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV).....	17.20	6.83
			Note: Includes mill finish.		
			<i>For Color Anodized Finish, Add</i>	1.77	
08 72 33 00-0085	LF		1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV).....	17.37	6.83
			Note: Includes mill finish.		
			<i>For Color Anodized Finish, Add</i>	1.85	
08 72 33 00-0086	LF		1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV).....	19.27	6.83
			Note: Includes mill finish.		
			<i>For Color Anodized Finish, Add</i>	1.96	
<b>08 72 33 00-0087</b>			<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068)		
			Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.		
<b>08 72 33 00-0088</b>			<b>180 Degree, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0087)		
08 72 33 00-0089	LF		3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNCB).....	19.72	6.83
			<i>For Color Anodized Finish, Add</i>	2.42	
08 72 33 00-0090	LF		5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNCB).....	20.17	6.83
			<i>For Color Anodized Finish, Add</i>	2.60	
08 72 33 00-0091	LF		1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNCB).....	23.76	6.83
			<i>For Color Anodized Finish, Add</i>	3.53	
<b>08 72 33 00-0092</b>			<b>180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0087)		
08 72 33 00-0093	LF		3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNCB).....	23.98	6.83
			<i>For Color Anodized Finish, Add</i>	4.12	
08 72 33 00-0094	LF		5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNCB).....	24.43	6.83
			<i>For Color Anodized Finish, Add</i>	4.30	
08 72 33 00-0095	LF		1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNCB).....	26.31	6.83
			<i>For Color Anodized Finish, Add</i>	5.06	



**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 72 33 00-0096		<b>Mortised, Aluminum Retainer Door Sweeps</b> (08 72 33 00-0068) Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.		
08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB).....	17.70	6.83
08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB).....	17.70	6.83
08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB).....	17.93	6.83
08 72 33 00-0100		<b>Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0063)		
08 72 33 00-0101		<b>90 Degree, Aluminum Retainer Door Sweeps With Rain Drip</b> (08 72 33 00-0100) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.		
08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV).....	17.26	6.83
		<i>For Color Anodized Finish, Add</i>	2.51	
08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV).....	20.17	6.83
		<i>For Color Anodized Finish, Add</i>	2.60	
08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB).....	22.35	6.83
		Note: Includes clear anodized finish.		
		<i>For Color Anodized Finish, Add</i>	1.74	
08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB).....	22.75	6.83
		<i>For Color Anodized Finish, Add</i>	1.82	
08 72 33 00-0106		<b>Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0063)		
08 72 33 00-0107		<b>90 Degree, Brass/Bronze Retainer Door Sweeps</b> (08 72 33 00-0106) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN).....	27.12	6.83
08 72 33 00-0109		<b>Oak Retainer Door Sweeps</b> (08 72 33 00-0063)		
08 72 33 00-0110		<b>90 Degree, Oak Retainer Door Sweeps</b> (08 72 33 00-0109) Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.		
08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB).....	21.96	6.83
08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB).....	25.50	6.83
08 72 33 00-0113		<b>Door Shoes And Bottoms</b> (08 72 33 00-0001)		
08 72 33 00-0114		<b>Door Shoes</b> (08 72 33 00-0113)		
08 72 33 00-0115		<b>Aluminum Retainer Door Shoes</b> (08 72 33 00-0114)		
08 72 33 00-0116		<b>Bottom Mount, Aluminum Retainer Door Shoes</b> (08 72 33 00-0115)		
08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV).....	19.05	6.83
		<i>For Color Anodized Finish, Add</i>	2.15	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV).....	19.72	6.83
		<i>For Color Anodized Finish, Add</i>	2.42	
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV).....	26.22	6.83
		<i>For Color Anodized Finish, Add</i>	2.51	
08 72 33 00-0120		<b>Side Mount, Aluminum Retainer Door Shoes</b> (08 72 33 00-0115)		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV).....	21.96	6.83
		<i>For Color Anodized Finish, Add</i>	3.32	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.68	
08 72 33 00-0122		<b>L Or U Shaped, Aluminum Retainer Door Shoes</b> (08 72 33 00-0115)		
08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV).....	20.17	6.83
		<i>For Color Anodized Finish, Add</i>	3.25	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV).....	21.51	6.83
		<i>For Color Anodized Finish, Add</i>	3.14	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV).....	21.96	6.83
		<i>For Color Anodized Finish, Add</i>	3.32	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV).....	31.08	6.83
		<i>For Color Anodized Finish, Add</i>	3.48	
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV).....	31.53	6.83
		<i>For Color Anodized Finish, Add</i>	3.57	
08 72 33 00-0128		<b>L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes</b> (08 72 33 00-0115)		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV).....	20.62	6.83
		<i>For Color Anodized Finish, Add</i>	3.48	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV).....	21.96	6.83
		<i>For Color Anodized Finish, Add</i>	3.32	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV).....	22.19	6.83
		<i>For Color Anodized Finish, Add</i>	3.41	
		<i>For Thermo-Plastic Elastomer Insert, Add</i>	0.42	

**Weatherstripping, Thresholds and Seals 08 72**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 72 33 00-0132			<b>Vinyl Door Shoes</b> (08 72 33 00-0114)		
08 72 33 00-0133	LF		1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80).....	25.00	6.83
08 72 33 00-0134	LF		1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV).....	30.11	6.83
08 72 33 00-0135			<b>Door Bottoms</b> (08 72 33 00-0113)		
08 72 33 00-0136			<b>Automatic Door Bottoms</b> (08 72 33 00-0135)		
08 72 33 00-0137			<b>Aluminum Automatic Door Bottoms</b> (08 72 33 00-0136)		
08 72 33 00-0138	LF		Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL).....	43.19	6.83
			<i>For Color Anodized Finish, Add</i>	5.90	
08 72 33 00-0139	LF		Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL).....	61.66	6.83
			<i>For Color Anodized Finish, Add</i>	9.60	
08 72 33 00-0140			<b>Door Top Protection</b> (08 72 33 00-0001)		
08 72 33 00-0141	LF		Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343).....	15.85	5.46
			<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	1.35	
08 72 33 00-0142	LF		Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344).....	15.85	5.46
			<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	1.35	
08 72 33 00-0143	LF		2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C).....	19.76	5.46
			<i>For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add</i>	2.42	
08 72 33 00-0144	EA		For 20 Oz Copper Drip Cap For Exterior Door.....	69.07	
08 72 33 00-0145			<b>Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0001)		
			Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146			<b>Adhesive Backed Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0147	LF		3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33).....	5.01	3.42
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0148	LF		1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55).....	5.06	3.42
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0149	LF		1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88).....	6.56	3.42
08 72 33 00-0150	LF		7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44).....	5.49	3.42
08 72 33 00-0151	LF		5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77).....	7.23	3.42
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0152	LF		1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773).....	6.71	3.42
			<i>For Intumescent Seal, Add</i>	1.50	
08 72 33 00-0153	LF		7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44).....	8.86	3.42
08 72 33 00-0154	LF		1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88).....	8.19	3.42
08 72 33 00-0155			<b>Kerf-In Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0156	LF		3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50).....	4.46	3.42
08 72 33 00-0157	LF		7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52).....	6.66	3.42
08 72 33 00-0158	LF		3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103).....	5.00	3.42
08 72 33 00-0159	LF		5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102).....	4.93	3.42
08 72 33 00-0160	LF		3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349).....	6.43	3.42
08 72 33 00-0161			<b>Cushion/Spring Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0162			<b>Spring Bronze Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0161)		
08 72 33 00-0163	LF		1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C).....	10.24	3.42
08 72 33 00-0164	LF		1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D).....	10.24	3.42
08 72 33 00-0165	LF		1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E).....	10.92	3.42
08 72 33 00-0166	LF		1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F).....	11.06	3.42
08 72 33 00-0167			<b>Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0161)		
08 72 33 00-0168	LF		5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73).....	9.87	3.42
08 72 33 00-0169	LF		7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74).....	10.92	3.42
08 72 33 00-0170	LF		1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75).....	12.07	3.42
08 72 33 00-0171			<b>Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0172			<b>Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0171)		
08 72 33 00-0173	LF		1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV).....	9.41	3.42
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	2.58	
08 72 33 00-0174	LF		1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV).....	9.41	3.42
			<i>For Silicone Insert, Add</i>	0.95	
			<i>For Color Anodized Finish, Add</i>	2.58	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0175	LF		1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV).....	9.41	3.42
			<i>For Silicone Insert, Add</i> .....	0.95	
			<i>For Color Anodized Finish, Add</i> .....	2.58	
08 72 33 00-0176	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN).....	16.24	3.42
			<i>For Silicone Insert, Add</i> .....	0.63	
			<i>For Color Anodized Finish, Add</i> .....	1.88	
08 72 33 00-0177	LF		3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV).....	16.69	3.42
			<i>For Color Anodized Finish, Add</i> .....	4.93	
			<i>For Silicone Insert, Add</i> .....	0.95	
08 72 33 00-0178	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR).....	16.69	3.42
			<i>For Color Anodized Finish, Add</i> .....	3.45	
08 72 33 00-0179			<b>Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0171)		
08 72 33 00-0180			<b>Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0179)		
08 72 33 00-0181	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV).....	15.91	3.42
			<i>For Silicone Insert, Add</i> .....	0.95	
08 72 33 00-0182			<b>Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0179)		
08 72 33 00-0183	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV).....	17.68	3.42
08 72 33 00-0184			<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0185			<b>Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0184)		
08 72 33 00-0186	LF		3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR).....	27.30	3.42
			<i>For Silicone Insert, Add</i> .....	1.58	
08 72 33 00-0187	LF		Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR).....	45.64	3.42
08 72 33 00-0188			<b>Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0184)		
08 72 33 00-0189			<b>Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0188)		
08 72 33 00-0190	LF		1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV).....	39.54	3.42
			<i>For Silicone Insert, Add</i> .....	0.63	
08 72 33 00-0191			<b>Aluminum Interlock, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
08 72 33 00-0192	LF		Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A).....	22.95	6.83
			Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i> .....	3.71	
08 72 33 00-0193	LF		Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR).....	23.74	6.83
			Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.		
			<i>For Color Anodized Finish, Add</i> .....	4.03	
08 72 33 00-0194			<b>Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip</b> (08 72 33 00-0145)		
			Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR).....	28.92	3.42
			<i>For Color Anodized Finish, Add</i> .....	4.42	
08 72 33 00-0196	LF		Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR).....	30.49	3.42
			<i>For Color Anodized Finish, Add</i> .....	4.73	
<b>08 72 43</b>			<b>Thresholds</b> (08 72)		
08 72 43 00-0001			<b>Thresholds</b> (08 72 43) Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002			<b>Metal Thresholds</b> (08 72 43 00-0001)		
08 72 43 00-0003			<b>Saddle Thresholds</b> (08 72 43 00-0002)		
08 72 43 00-0004			<b>Aluminum Saddle Thresholds</b> (08 72 43 00-0003) Note: Includes mill finish.		
08 72 43 00-0005			<b>3/16" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)		
08 72 43 00-0006	LF		2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A).....	35.86	10.94
			<i>For Color Anodized Finish, Add</i> .....	3.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0007			<b>1/4" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)		
08 72 43 00-0008	LF		3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A).....	39.67	10.94
			<i>For Color Anodized Finish, Add</i>	4.93	
08 72 43 00-0009	LF		4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A).....	46.27	13.67
			<i>For Color Anodized Finish, Add</i>	8.47	
08 72 43 00-0010	LF		5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A).....	50.55	13.67
			<i>For Color Anodized Finish, Add</i>	8.19	
08 72 43 00-0011	LF		6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A).....	55.69	13.67
			<i>For Color Anodized Finish, Add</i>	7.53	
08 72 43 00-0012	LF		7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A).....	63.31	13.67
			<i>For Color Anodized Finish, Add</i>	7.29	
08 72 43 00-0013	LF		8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A).....	75.98	16.40
			<i>For Color Anodized Finish, Add</i>	8.74	
08 72 43 00-0014	LF		9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A).....	81.14	16.40
			<i>For Color Anodized Finish, Add</i>	10.03	
08 72 43 00-0015	LF		10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A).....	89.36	16.40
			<i>For Color Anodized Finish, Add</i>	12.09	
08 72 43 00-0016			<b>5/16" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)		
08 72 43 00-0017	LF		2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A).....	38.99	10.94
			<i>For Color Anodized Finish, Add</i>	4.08	
08 72 43 00-0018			<b>1/2" Height, Aluminum Saddle Thresholds</b> (08 72 43 00-0004)		
08 72 43 00-0019	LF		3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A).....	39.22	10.94
			<i>For Color Anodized Finish, Add</i>	5.94	
08 72 43 00-0020	LF		4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A).....	48.07	13.67
			<i>For Color Anodized Finish, Add</i>	9.73	
08 72 43 00-0021	LF		5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A).....	52.44	13.67
			<i>For Color Anodized Finish, Add</i>	9.14	
08 72 43 00-0022	LF		6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A).....	56.13	13.67
			<i>For Color Anodized Finish, Add</i>	7.69	
08 72 43 00-0023	LF		7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A).....	63.31	13.67
			<i>For Color Anodized Finish, Add</i>	7.29	
08 72 43 00-0024	LF		8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A).....	78.67	16.40
			<i>For Color Anodized Finish, Add</i>	13.18	
08 72 43 00-0025	LF		9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A).....	83.38	16.40
			<i>For Color Anodized Finish, Add</i>	16.94	
08 72 43 00-0026	LF		10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A).....	88.09	16.40
			<i>For Color Anodized Finish, Add</i>	18.83	
08 72 43 00-0027			<b>Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0003)		
08 72 43 00-0028			<b>3/16" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)		
08 72 43 00-0029	LF		2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B).....	83.01	10.94
08 72 43 00-0030			<b>1/4" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)		
08 72 43 00-0031	LF		3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B).....	125.59	10.94
08 72 43 00-0032	LF		4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B).....	152.07	13.67
08 72 43 00-0033	LF		5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B).....	181.54	13.67
08 72 43 00-0034	LF		6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B).....	210.20	13.67
08 72 43 00-0035	LF		7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B).....	242.95	13.67
08 72 43 00-0036	LF		8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B).....	311.20	16.40
08 72 43 00-0037			<b>1/2" Height, Brass/Bronze Saddle Thresholds</b> (08 72 43 00-0027)		
08 72 43 00-0038	LF		4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B).....	165.17	13.67
08 72 43 00-0039	LF		5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B).....	197.92	13.67
08 72 43 00-0040	LF		6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B).....	230.67	13.67
08 72 43 00-0041	LF		7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B).....	271.60	13.67
08 72 43 00-0042	LF		8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B).....	383.52	16.40
08 72 43 00-0043	LF		10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B).....	364.75	16.40
08 72 43 00-0044			<b>Stainless Steel Saddle Thresholds</b> (08 72 43 00-0003)		
08 72 43 00-0045			<b>1/2" Height, Stainless Steel Saddle Thresholds</b> (08 72 43 00-0044)		
08 72 43 00-0046	LF		4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS).....	140.60	13.67
08 72 43 00-0047	LF		5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS).....	148.79	13.67
08 72 43 00-0048			<b>Half Saddle Thresholds</b> (08 72 43 00-0002)		
08 72 43 00-0049			<b>Aluminum Half Saddle Thresholds</b> (08 72 43 00-0048)		
			Note: Includes mill finish.		
08 72 43 00-0050			<b>3/4" Height, Aluminum Half Saddle Thresholds</b> (08 72 43 00-0049)		
08 72 43 00-0051	LF		5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A).....	56.66	13.67
			<i>For Color Anodized Finish, Add</i>	9.00	
08 72 43 00-0052	LF		7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A).....	72.94	13.67
			<i>For Color Anodized Finish, Add</i>	3.88	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 72 43 00-0053	Offset Saddle Thresholds (08 72 43 00-0002)		
08 72 43 00-0054	Aluminum Offset Saddle Thresholds (08 72 43 00-0053) Note: Includes mill finish.		
08 72 43 00-0055	1/2" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0056	LF 5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A).....	56.81	13.67
	For Color Anodized Finish, Add	11.32	
08 72 43 00-0057	LF 7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A).....	62.63	13.67
	For Color Anodized Finish, Add	9.96	
08 72 43 00-0058	3/4" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0059	LF 5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A).....	56.81	13.67
	For Color Anodized Finish, Add	11.32	
08 72 43 00-0060	1" Height, Aluminum Offset Saddle Thresholds (08 72 43 00-0054)		
08 72 43 00-0061	LF 7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A).....	64.87	13.67
	For Color Anodized Finish, Add	10.75	
08 72 43 00-0062	Modular Ramp Thresholds (08 72 43 00-0001) Note: Includes mill finish.		
08 72 43 00-0063	Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0064	LF 6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA) .....	59.81	13.67
	For Non-Slip Surfacing, Add	97.41	
08 72 43 00-0065	LF 9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA) .....	74.54	15.04
	For Non-Slip Surfacing, Add	124.52	
08 72 43 00-0066	LF 12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA) .....	94.66	17.09
	For Non-Slip Surfacing, Add	169.37	
08 72 43 00-0067	LF 15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA) .....	120.10	17.77
	For Non-Slip Surfacing, Add	228.34	
08 72 43 00-0068	LF 18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA) .....	139.70	19.13
	For Non-Slip Surfacing, Add	304.29	
08 72 43 00-0069	LF 21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA) .....	172.90	21.19
	For Non-Slip Surfacing, Add	339.38	
08 72 43 00-0070	LF 24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA) .....	192.82	23.23
	For Non-Slip Surfacing, Add	380.51	
08 72 43 00-0071	LF 28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA) .....	204.53	24.61
	For Non-Slip Surfacing, Add	388.30	
08 72 43 00-0072	3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0073	LF 12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA).....	100.87	17.09
	For Non-Slip Surfacing, Add	180.09	
08 72 43 00-0074	LF 15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA).....	118.26	17.77
	For Non-Slip Surfacing, Add	223.34	
08 72 43 00-0075	LF 18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA).....	147.79	20.50
	For Non-Slip Surfacing, Add	277.65	
08 72 43 00-0076	LF 22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA) .....	173.57	21.87
	For Non-Slip Surfacing, Add	337.56	
08 72 43 00-0077	LF 25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA) .....	199.23	23.23
	For Non-Slip Surfacing, Add	397.18	
08 72 43 00-0078	LF 28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA) .....	217.78	24.61
	For Non-Slip Surfacing, Add	438.31	
08 72 43 00-0079	LF 31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA).....	266.57	25.97
	For Non-Slip Surfacing, Add	558.04	
08 72 43 00-0080	7" Top Plate, Offset, Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0081	LF 16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA) .....	116.59	18.46
	For Non-Slip Surfacing, Add	223.13	
08 72 43 00-0082	LF 19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA) .....	136.72	20.50
	For Non-Slip Surfacing, Add	268.02	
08 72 43 00-0083	LF 22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA) .....	163.53	21.87
	For Non-Slip Surfacing, Add	323.43	
08 72 43 00-0084	LF 25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA) .....	183.13	23.23
	For Non-Slip Surfacing, Add	368.98	
08 72 43 00-0085	LF 28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA) .....	214.96	24.61
	For Non-Slip Surfacing, Add	430.98	
08 72 43 00-0086	LF 31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA) .....	233.52	25.97
	For Non-Slip Surfacing, Add	472.11	
08 72 43 00-0087	LF 35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA) .....	269.30	27.34
	For Non-Slip Surfacing, Add	536.58	
08 72 43 00-0088	Accessories For Aluminum Modular Ramp Thresholds (08 72 43 00-0062)		
08 72 43 00-0089	Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds (08 72 43 00-0088)		
08 72 43 00-0090	PR Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	275.10	17.09
	For Non-Slip Surfacing, Add	28.91	
08 72 43 00-0091	PR >1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds .....	422.65	17.09
	For Non-Slip Surfacing, Add	46.62	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0092	PR		>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds..... <i>For Non-Slip Surfacing, Add</i>	836.01 94.58	23.92
<b>08 72 43 00-0093</b>			<b>Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds</b> (08 72 43 00-0093)		
08 72 43 00-0094	PR		Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds ..... <i>For Non-Slip Surfacing, Add</i>	275.10 28.91	17.09
08 72 43 00-0095	PR		>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds ..... <i>For Non-Slip Surfacing, Add</i>	422.65 46.62	17.09
08 72 43 00-0096	PR		>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds ..... <i>For Non-Slip Surfacing, Add</i>	836.01 94.58	23.92
<b>08 72 43 00-0097</b>			<b>Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0097) Note: Includes vinyl or pile seal.		
<b>08 72 43 00-0098</b>			<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0098) Note: Includes mill finish.		
<b>08 72 43 00-0099</b>			<b>Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0099)		
<b>08 72 43 00-0100</b>			<b>7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0100)		
08 72 43 00-0101	LF		4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	68.46 12.00 0.63	13.67
08 72 43 00-0102	LF		5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	57.03 11.43 0.63	13.67
08 72 43 00-0103	LF		6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	75.63 14.51 0.63	13.67
08 72 43 00-0104	LF		7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	78.77 15.61 0.63	13.67
<b>08 72 43 00-0105</b>			<b>1" Height, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0105)		
08 72 43 00-0106	LF		3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	54.34 10.09 0.63	13.67
08 72 43 00-0107	LF		5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	57.48 11.66 0.63	13.67
<b>08 72 43 00-0108</b>			<b>Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0108)		
<b>08 72 43 00-0109</b>			<b>7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0109)		
08 72 43 00-0110	LF		4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	60.84 10.67 0.63	13.67
08 72 43 00-0111	LF		5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	63.75 11.83 0.63	13.67
08 72 43 00-0112	LF		6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	68.01 11.84 0.63	13.67
08 72 43 00-0113	LF		7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)..... <i>For Color Anodized Finish, Add</i> <i>For Thermoseal, Add</i>	72.83 13.53 0.63	13.67
<b>08 72 43 00-0114</b>			<b>Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0114)		
<b>08 72 43 00-0115</b>			<b>Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0115)		
<b>08 72 43 00-0116</b>			<b>7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0116)		
08 72 43 00-0117	LF		4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)..... <i>For Thermoseal, Add</i>	232.30 0.63	13.67
08 72 43 00-0118	LF		5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)..... <i>For Thermoseal, Add</i>	215.93 0.63	13.67
08 72 43 00-0119	LF		6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)..... <i>For Thermoseal, Add</i>	307.63 0.63	13.67
08 72 43 00-0120	LF		7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)..... <i>For Thermoseal, Add</i>	275.86 0.63	13.67
<b>08 72 43 00-0121</b>			<b>1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds</b> (08 72 43 00-0121)		
08 72 43 00-0122	LF		5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)..... <i>For Thermoseal, Add</i>	228.70 0.63	13.67

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 72 43 00-0123		Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0114)		
08 72 43 00-0124		7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds (08 72 43 00-0123)		
08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV) .....	238.45	15.04
		For Thermoseal, Add	0.63	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV) .....	249.75	15.04
		For Thermoseal, Add	0.63	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV) .....	310.83	15.04
		For Thermoseal, Add	0.63	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV) .....	284.18	15.71
		For Thermoseal, Add	0.63	
08 72 43 00-0129		Carpet Separator Thresholds (08 72 43 00-0001)		
08 72 43 00-0130		Aluminum, Carpet Separator Thresholds (08 72 43 00-0129) Note: Includes mill finish.		
08 72 43 00-0131		3/8" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C) .....	41.01	10.94
		For Color Anodized Finish, Add	5.47	
08 72 43 00-0133		7/16" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A) .....	33.33	9.57
		For Color Anodized Finish, Add	3.29	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A) .....	50.98	10.94
		For Color Anodized Finish, Add	6.72	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A) .....	60.39	10.94
		For Color Anodized Finish, Add	10.49	
08 72 43 00-0137		1/2" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A) .....	30.42	9.57
		For Color Anodized Finish, Add	1.63	
08 72 43 00-0139		3/4" Height, Aluminum, Carpet Separator Thresholds (08 72 43 00-0130)		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A) .....	33.33	9.57
		For Color Anodized Finish, Add	2.82	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A) .....	51.65	13.67
		For Color Anodized Finish, Add	6.99	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A) .....	54.34	13.67
		For Color Anodized Finish, Add	6.05	
08 72 43 00-0143		Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0129)		
08 72 43 00-0144		3/8" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B) .....	127.39	10.94
08 72 43 00-0146		7/16" Height, Brass/Bronze, Carpet Separator Thresholds (08 72 43 00-0143)		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B) .....	165.76	9.57
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B) .....	152.89	13.67
08 72 43 00-0149		Vinyl Transition Thresholds (08 72 43 00-0001) Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		Carpet To Carpet, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL) .....	49.23	10.94
08 72 43 00-0152		Carpet To Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL) .....	49.23	10.94
08 72 43 00-0154		Carpet To Concrete, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL) .....	52.80	13.67
08 72 43 00-0156		Carpet To VCT Tile, Vinyl Transition Thresholds (08 72 43 00-0149) Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL) .....	56.43	13.67
08 72 43 00-0158		Residential Thresholds (08 72 43 00-0001)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0159			<b>Wood Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0160	LF		1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W).....	21.20	6.83
08 72 43 00-0161	LF		1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W).....	21.95	6.83
08 72 43 00-0162	LF		3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W).....	29.59	7.27
08 72 43 00-0163	LF		3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W).....	30.07	7.54
08 72 43 00-0164	LF		5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W).....	45.55	7.76
08 72 43 00-0165			<b>Vinyl Top, Wood Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0166	LF		1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK).....	25.31	6.83
08 72 43 00-0167	LF		3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK).....	30.74	7.54
08 72 43 00-0168	LF		3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK).....	56.96	7.54
08 72 43 00-0169			<b>Vinyl Top, Aluminum Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0170	LF		1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV).....	25.38	6.83
			<i>For Color Anodized Finish, Add</i>	3.32	
08 72 43 00-0171	LF		3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV).....	29.62	7.54
			<i>For Color Anodized Finish, Add</i>	4.30	
08 72 43 00-0172	LF		3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV).....	31.41	7.54
			<i>For Color Anodized Finish, Add</i>	5.02	
08 72 43 00-0173			<b>Interlocking Residential Thresholds</b> (08 72 43 00-0158)		
08 72 43 00-0174			<b>Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0173)		
08 72 43 00-0175			<b>1/2" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0176	LF		4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A).....	55.93	7.76
			<i>For Color Anodized Finish, Add</i>	10.96	
08 72 43 00-0177			<b>5/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0178	LF		3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A).....	37.22	7.27
			<i>For Color Anodized Finish, Add</i>	5.72	
08 72 43 00-0179	LF		3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A).....	33.88	7.54
			<i>For Color Anodized Finish, Add</i>	7.51	
08 72 43 00-0180	LF		4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A).....	39.35	7.76
			<i>For Color Anodized Finish, Add</i>	5.99	
08 72 43 00-0181			<b>7/8" Height, Aluminum Interlocking Residential Thresholds</b> (08 72 43 00-0174)		
08 72 43 00-0182	LF		4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A).....	42.93	7.76
			<i>For Color Anodized Finish, Add</i>	11.77	
08 72 43 00-0183			<b>Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0173)		
08 72 43 00-0184			<b>1/2" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0185	LF		4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B).....	170.87	7.76
08 72 43 00-0186			<b>5/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0187	LF		3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B).....	129.39	7.54
08 72 43 00-0188			<b>7/8" Height, Brass/Bronze Interlocking Residential Thresholds</b> (08 72 43 00-0183)		
08 72 43 00-0189	LF		4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B).....	174.96	7.76
08 72 43 00-0190	LF		5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B).....	249.20	7.98
08 72 43 00-0191			<b>Residential Door Sills</b> (08 72 43 00-0001)		
08 72 43 00-0192			<b>Fixed Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0193	LF		4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A).....	32.18	7.76
			<i>For Color Anodized Finish, Add</i>	6.39	
08 72 43 00-0194	LF		5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A).....	34.49	7.98
			<i>For Color Anodized Finish, Add</i>	5.81	
08 72 43 00-0195			<b>Adjustable Aluminum Top, Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0196	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A).....	45.86	7.76
			<i>For Color Anodized Finish, Add</i>	9.26	
08 72 43 00-0197	LF		5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A).....	47.09	7.98
			<i>For Color Anodized Finish, Add</i>	9.50	
08 72 43 00-0198			<b>Adjustable Wood Top, Aluminum Residential Door Sills</b> (08 72 43 00-0191)		
08 72 43 00-0199	LF		3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW).....	46.39	7.54
			<i>For Color Anodized Finish, Add</i>	9.64	
08 72 43 00-0200	LF		4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW).....	46.94	7.76
			<i>For Color Anodized Finish, Add</i>	6.89	

**08 Openings****08 70 Hardware****08 72 Weatherstripping, Thresholds and Seals**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW).....	48.99	7.98
		For Color Anodized Finish, Add .....	7.26	

**08 72 43 00-0202 Extenders For Aluminum Residential Door Sills (08 72 43 00-0191)**

08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A) .....	19.27	6.83
		For Color Anodized Finish, Add .....	3.92	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A) .....	21.07	6.83
		For Color Anodized Finish, Add .....	3.70	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A) .....	22.86	6.83
		For Color Anodized Finish, Add .....	2.30	

**08 72 43 00-0206 Stone Thresholds (08 72 43 00-0001)****08 72 43 00-0207 Marble Thresholds (08 72 43 00-0206)**

08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold .....	25.32	9.92
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold .....	27.71	9.92
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold .....	30.90	9.92
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold .....	38.11	9.92
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold .....	46.53	9.92

**08 72 43 00-0213 Corian Thresholds (08 72 43 00-0206)**

08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold .....	94.90	11.34
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**08 80 Glazing (08)**

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

**08 81 Glass Glazing (08 80)****08 81 23 Exterior Glass Glazing (08 81)****08 81 23 13 Factory Installed Glass Glazing (08 81 23)****08 81 23 13-0001 Clear Float Factory Installed Glass (08 81 23 13)****08 81 23 13-0002 Clear Float Factory Installed Glass (08 81 23 13-0001)**

Note: Type I, Class I, Quality Q3.

08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass .....	7.99	
		For >50 To 200, Deduct .....	-0.24	
		For >200 To 400, Deduct .....	-0.48	
		For >400, Deduct .....	-0.72	
		For Tinted Glass, Add .....	2.00	
		For Reflective Coated Glass, Add .....	3.60	
		For Low-E Coated Glass, Add .....	2.00	
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass .....	8.57	
		For >50 To 200, Deduct .....	-0.26	
		For >200 To 400, Deduct .....	-0.51	
		For >400, Deduct .....	-0.77	
		For Tinted Glass, Add .....	2.14	
		For Reflective Coated Glass, Add .....	3.86	
		For Low-E Coated Glass, Add .....	2.14	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass .....	10.39	
		For >50 To 200, Deduct .....	-0.31	
		For >200 To 400, Deduct .....	-0.62	
		For >400, Deduct .....	-0.94	
		For Tinted Glass, Add .....	2.60	
		For Reflective Coated Glass, Add .....	4.68	
		For Low-E Coated Glass, Add .....	2.60	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass .....	17.27	
		For >50 To 200, Deduct .....	-0.52	
		For >200 To 400, Deduct .....	-1.04	
		For >400, Deduct .....	-1.55	
		For Tinted Glass, Add .....	4.32	
		For Reflective Coated Glass, Add .....	7.77	
		For Low-E Coated Glass, Add .....	4.32	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass .....	25.13	
		For >50 To 200, Deduct .....	-0.75	
		For >200 To 400, Deduct .....	-1.51	
		For >400, Deduct .....	-2.26	
		For Tinted Glass, Add .....	6.28	
		For Reflective Coated Glass, Add .....	11.31	
		For Low-E Coated Glass, Add .....	6.28	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass .....	27.61	
		For >50 To 200, Deduct .....	-0.83	
		For >200 To 400, Deduct .....	-1.66	
		For >400, Deduct .....	-2.48	
		For Tinted Glass, Add .....	6.90	
		For Reflective Coated Glass, Add .....	12.42	
		For Low-E Coated Glass, Add .....	6.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0009	SF		5/8" Thick, Clear Float Factory Installed Glass .....	33.03	
			<i>For &gt;50 To 200, Deduct</i>	-0.99	
			<i>For &gt;200 To 400, Deduct</i>	-1.98	
			<i>For &gt;400, Deduct</i>	-2.97	
			<i>For Tinted Glass, Add</i>	8.26	
			<i>For Reflective Coated Glass, Add</i>	14.86	
			<i>For Low-E Coated Glass, Add</i>	8.26	
08 81 23 13-0010	SF		3/4" Thick, Clear Float Factory Installed Glass .....	40.80	
			<i>For &gt;50 To 200, Deduct</i>	-1.22	
			<i>For &gt;200 To 400, Deduct</i>	-2.45	
			<i>For &gt;400, Deduct</i>	-3.67	
			<i>For Tinted Glass, Add</i>	10.20	
			<i>For Reflective Coated Glass, Add</i>	18.36	
			<i>For Low-E Coated Glass, Add</i>	10.20	
08 81 23 13-0011			Heat Treated Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0012			Tempered, Clear Float Factory Installed Glass <small>(08 81 23 13-0011)</small>		
			Note: Type I, Class I, Quality Q3.		
08 81 23 13-0013	SF		1/8" Thick, Tempered, Clear Float Factory Installed Glass .....	11.88	
			<i>For &gt;50 To 200, Deduct</i>	-0.36	
			<i>For &gt;200 To 400, Deduct</i>	-0.71	
			<i>For &gt;400, Deduct</i>	-1.07	
			<i>For Tinted Glass, Add</i>	2.97	
			<i>For Reflective Coated Glass, Add</i>	5.35	
			<i>For Low-E Coated Glass, Add</i>	2.97	
08 81 23 13-0014	SF		3/16" Thick, Tempered, Clear Float Factory Installed Glass .....	12.70	
			<i>For &gt;50 To 200, Deduct</i>	-0.38	
			<i>For &gt;200 To 400, Deduct</i>	-0.76	
			<i>For &gt;400, Deduct</i>	-1.14	
			<i>For Tinted Glass, Add</i>	3.18	
			<i>For Reflective Coated Glass, Add</i>	5.72	
			<i>For Low-E Coated Glass, Add</i>	3.18	
08 81 23 13-0015	SF		1/4" Thick, Tempered, Clear Float Factory Installed Glass .....	15.45	
			<i>For &gt;50 To 200, Deduct</i>	-0.46	
			<i>For &gt;200 To 400, Deduct</i>	-0.93	
			<i>For &gt;400, Deduct</i>	-1.39	
			<i>For Tinted Glass, Add</i>	3.86	
			<i>For Reflective Coated Glass, Add</i>	6.95	
			<i>For Low-E Coated Glass, Add</i>	3.86	
08 81 23 13-0016	SF		5/16" Thick, Tempered, Clear Float Factory Installed Glass .....	25.72	
			<i>For &gt;50 To 200, Deduct</i>	-0.77	
			<i>For &gt;200 To 400, Deduct</i>	-1.54	
			<i>For &gt;400, Deduct</i>	-2.31	
			<i>For Tinted Glass, Add</i>	6.43	
			<i>For Reflective Coated Glass, Add</i>	11.57	
			<i>For Low-E Coated Glass, Add</i>	6.43	
08 81 23 13-0017	SF		3/8" Thick, Tempered, Clear Float Factory Installed Glass .....	37.37	
			<i>For &gt;50 To 200, Deduct</i>	-1.12	
			<i>For &gt;200 To 400, Deduct</i>	-2.24	
			<i>For &gt;400, Deduct</i>	-3.36	
			<i>For Tinted Glass, Add</i>	9.34	
			<i>For Reflective Coated Glass, Add</i>	16.82	
			<i>For Low-E Coated Glass, Add</i>	9.34	
08 81 23 13-0018	SF		1/2" Thick, Tempered, Clear Float Factory Installed Glass .....	41.06	
			<i>For &gt;50 To 200, Deduct</i>	-1.23	
			<i>For &gt;200 To 400, Deduct</i>	-2.46	
			<i>For &gt;400, Deduct</i>	-3.70	
			<i>For Tinted Glass, Add</i>	10.27	
			<i>For Reflective Coated Glass, Add</i>	18.48	
			<i>For Low-E Coated Glass, Add</i>	10.27	
08 81 23 13-0019	SF		5/8" Thick, Tempered, Clear Float Factory Installed Glass .....	49.12	
			<i>For &gt;50 To 200, Deduct</i>	-1.47	
			<i>For &gt;200 To 400, Deduct</i>	-2.95	
			<i>For &gt;400, Deduct</i>	-4.42	
			<i>For Tinted Glass, Add</i>	12.28	
			<i>For Reflective Coated Glass, Add</i>	22.10	
			<i>For Low-E Coated Glass, Add</i>	12.28	
08 81 23 13-0020	SF		3/4" Thick, Tempered, Clear Float Factory Installed Glass .....	60.68	
			<i>For &gt;50 To 200, Deduct</i>	-1.82	
			<i>For &gt;200 To 400, Deduct</i>	-3.64	
			<i>For &gt;400, Deduct</i>	-5.46	
			<i>For Tinted Glass, Add</i>	15.17	
			<i>For Reflective Coated Glass, Add</i>	27.31	
			<i>For Low-E Coated Glass, Add</i>	15.17	
08 81 23 13-0021			Patterned Factory Installed Glass <small>(08 81 23 13)</small>		
08 81 23 13-0022			Rough Obscure, Factory Installed Glass <small>(08 81 23 13-0021)</small>		
			Note: Class II, Form 3, Finish F1.		
08 81 23 13-0023	SF		1/4" Thick, Rough Obscure, Factory Installed Glass .....	64.95	
08 81 23 13-0024			Patterned, Figured Factory Installed Glass <small>(08 81 23 13-0021)</small>		
			Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 13-0025	SF		1/8" Thick, Patterned, Figured Factory Installed Glass .....	39.45	
08 81 23 13-0026	SF		7/32" Thick, Patterned, Figured Factory Installed Glass .....	39.45	



**08 Openings****08 80 Glazing****08 81 Glass Glazing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 81 23 13-0027	Wired Factory Installed Glass (08 81 23 13)		
08 81 23 13-0028	Square Or Diamond Pattern, Wired Factory Installed Glass (08 81 23 13-0027)		
	Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 13-0029	SF 1/4" Thick, Square Pattern, Wired Factory Installed Glass .....		102.12
08 81 23 13-0030	SF 1/4" Thick, Diamond Pattern, Wired Factory Installed Glass.....		102.12
08 81 23 13-0031	Polished, Wired Factory Installed Glass (08 81 23 13-0027)		
08 81 23 13-0032	SF 1/4" Thick, Polished, Wired Factory Installed Glass.....		111.64
08 81 23 13-0033	Frosted Factory Installed Glass (08 81 23 13)		
08 81 23 13-0034	Frosted Factory Installed Glass (08 81 23 13-0033)		
08 81 23 13-0035	SF 1/8" Thick, Frosted Factory Installed Glass.....		51.63
	For >50 To 200, Deduct		-1.55
	For >200 To 400, Deduct		-3.10
	For >400, Deduct		-4.65
08 81 23 13-0036	SF 3/16" Thick, Frosted Factory Installed Glass.....		67.74
	For >50 To 200, Deduct		-2.03
	For >200 To 400, Deduct		-4.06
	For >400, Deduct		-6.10
08 81 23 13-0037	SF 1/4" Thick, Frosted Factory Installed Glass.....		85.63
	For >50 To 200, Deduct		-2.57
	For >200 To 400, Deduct		-5.14
	For >400, Deduct		-7.71
08 81 23 13-0038	SF 3/8" Thick, Frosted Factory Installed Glass.....		128.00
	For >50 To 200, Deduct		-3.84
	For >200 To 400, Deduct		-7.68
	For >400, Deduct		-11.52
08 81 23 13-0039	Fire Rated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0040	Fire Rated Factory Installed Glass (08 81 23 13-0039)		
08 81 23 13-0041	SF 20 Minute, Fire Rated Factory Installed Glass .....		49.05
08 81 23 13-0042	SF 45 Minute, Fire Rated Factory Installed Glass .....		97.66
08 81 23 13-0043	SF 60 Minute, Fire Rated Factory Installed Glass .....		150.94
08 81 23 13-0044	SF 90 Minute, Fire Rated Factory Installed Glass .....		199.77
08 81 23 13-0045	Laminated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0046	Laminated Glass With PVB Interlayer, Factory Installed Glass (08 81 23 13-0045)		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF 1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....		27.97
	For >50 To 200, Deduct		-0.84
	For >200 To 400, Deduct		-1.68
	For >400, Deduct		-2.52
	For Tinted Glass, Add		5.59
	For Reflective Coated Glass, Add		8.39
	For Low-E Coated Glass, Add		6.99
	For One Piece Heat Strengthened Glass, Add		5.59
	For One Piece Fully Tempered Glass, Add		5.59
08 81 23 13-0048	SF 3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....		34.91
	For >50 To 200, Deduct		-1.05
	For >200 To 400, Deduct		-2.09
	For >400, Deduct		-3.14
	For Tinted Glass, Add		6.98
	For Reflective Coated Glass, Add		10.47
	For Low-E Coated Glass, Add		8.73
	For One Piece Heat Strengthened Glass, Add		6.98
	For One Piece Fully Tempered Glass, Add		6.98
08 81 23 13-0049	SF 1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass.....		40.34
	For >50 To 200, Deduct		-1.21
	For >200 To 400, Deduct		-2.42
	For >400, Deduct		-3.63
	For Tinted Glass, Add		8.07
	For Reflective Coated Glass, Add		12.10
	For Low-E Coated Glass, Add		10.09
	For One Piece Heat Strengthened Glass, Add		8.07
	For One Piece Fully Tempered Glass, Add		8.07
08 81 23 13-0050	Insulated Factory Installed Glass (08 81 23 13)		
08 81 23 13-0051	Insulated, Factory Installed Glass (08 81 23 13-0050)		
	Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052	3/16" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051)		
	Note: Type I, Class I, Quality Q3.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0053	SF		3/8" Thick, Insulated Factory Installed Glass ..... Note: Two 3/32" lites with 3/16" air space.	20.87	
			<i>For &gt;50 To 200, Deduct</i>	-0.63	
			<i>For &gt;200 To 400, Deduct</i>	-1.25	
			<i>For &gt;400, Deduct</i>	-1.88	
			<i>For Tinted Glass, Add</i>	3.13	
			<i>For Reflective Coated Glass, Add</i>	6.26	
			<i>For Low-E Coated Glass, Add</i>	5.22	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.17	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.17	
			<i>For One Piece Obscure Glass, Add</i>	8.87	
			<i>For Argon Gas, Add</i>	2.87	

08 81 23 13-0054	SF		1/2" Thick, Insulated Factory Installed Glass ..... Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	22.80	
			<i>For &gt;50 To 200, Deduct</i>	-0.68	
			<i>For &gt;200 To 400, Deduct</i>	-1.37	
			<i>For &gt;400, Deduct</i>	-2.05	
			<i>For Tinted Glass, Add</i>	3.42	
			<i>For Reflective Coated Glass, Add</i>	6.84	
			<i>For Low-E Coated Glass, Add</i>	5.70	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.56	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.56	
			<i>For One Piece Obscure Glass, Add</i>	9.69	
			<i>For Argon Gas, Add</i>	3.14	

08 81 23 13-0055	SF		9/16" Thick, Insulated Factory Installed Glass ..... Note: Two 3/16" lites with 3/16" air space.	22.84	
			<i>For &gt;50 To 200, Deduct</i>	-0.69	
			<i>For &gt;200 To 400, Deduct</i>	-1.37	
			<i>For &gt;400, Deduct</i>	-2.06	
			<i>For Tinted Glass, Add</i>	3.43	
			<i>For Reflective Coated Glass, Add</i>	6.85	
			<i>For Low-E Coated Glass, Add</i>	5.71	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.57	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.57	
			<i>For One Piece Obscure Glass, Add</i>	9.71	
			<i>For Argon Gas, Add</i>	3.14	

**08 81 23 13-0056 1/4" Air Space, Insulated, Factory Installed Glass** (08 81 23 13-0051)  
Note: Type I, Class I, Quality Q3.

08 81 23 13-0057	SF		7/16" Thick, Insulated Factory Installed Glass ..... Note: Two 3/32" lites with 1/4" air space.	21.48	
			<i>For &gt;50 To 200, Deduct</i>	-0.64	
			<i>For &gt;200 To 400, Deduct</i>	-1.29	
			<i>For &gt;400, Deduct</i>	-1.93	
			<i>For Tinted Glass, Add</i>	3.22	
			<i>For Reflective Coated Glass, Add</i>	6.44	
			<i>For Low-E Coated Glass, Add</i>	5.37	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.30	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.30	
			<i>For One Piece Obscure Glass, Add</i>	9.13	
			<i>For Argon Gas, Add</i>	2.95	

08 81 23 13-0058	SF		1/2" Thick, Insulated Factory Installed Glass ..... Note: Two 1/8" lites with 1/4" air space.	22.80	
			<i>For &gt;50 To 200, Deduct</i>	-0.68	
			<i>For &gt;200 To 400, Deduct</i>	-1.37	
			<i>For &gt;400, Deduct</i>	-2.05	
			<i>For Tinted Glass, Add</i>	3.42	
			<i>For Reflective Coated Glass, Add</i>	6.84	
			<i>For Low-E Coated Glass, Add</i>	5.70	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.56	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.56	
			<i>For One Piece Obscure Glass, Add</i>	9.69	
			<i>For Argon Gas, Add</i>	3.14	

08 81 23 13-0059	SF		5/8" Thick, Insulated Factory Installed Glass ..... Note: Two 3/16" lites with 1/4" air space.	23.06	
			<i>For &gt;50 To 200, Deduct</i>	-0.69	
			<i>For &gt;200 To 400, Deduct</i>	-1.38	
			<i>For &gt;400, Deduct</i>	-2.08	
			<i>For Tinted Glass, Add</i>	3.46	
			<i>For Reflective Coated Glass, Add</i>	6.92	
			<i>For Low-E Coated Glass, Add</i>	5.77	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.61	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.61	
			<i>For One Piece Obscure Glass, Add</i>	9.80	
			<i>For Argon Gas, Add</i>	3.17	

08 81 23 13-0060	SF		5/8" Thick, Insulated Factory Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	23.06	
			<i>For &gt;50 To 200, Deduct</i>	-0.69	
			<i>For &gt;200 To 400, Deduct</i>	-1.38	
			<i>For &gt;400, Deduct</i>	-2.08	
			<i>For Tinted Glass, Add</i>	3.46	
			<i>For Reflective Coated Glass, Add</i>	6.92	
			<i>For Low-E Coated Glass, Add</i>	5.77	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.61	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.61	
			<i>For One Piece Obscure Glass, Add</i>	9.80	
			<i>For Argon Gas, Add</i>	3.17	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
08 81 23 13-0061	SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 1/4" air space.	26.36	
	For >50 To 200, Deduct	-0.79	
	For >200 To 400, Deduct	-1.58	
	For >400, Deduct	-2.37	
	For Tinted Glass, Add	3.95	
	For Reflective Coated Glass, Add	7.91	
	For Low-E Coated Glass, Add	6.59	
	For One Piece Heat Strengthened Glass, Add	5.27	
	For One Piece Fully Tempered Glass, Add	5.27	
	For One Piece Obscure Glass, Add	11.20	
	For Argon Gas, Add	3.62	
08 81 23 13-0062	3/8" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0063	SF 5/8" Thick, Insulated Factory Installed Glass ..... Note: Two 1/8" lites with 3/8" air space.	23.06	
	For >50 To 200, Deduct	-0.69	
	For >200 To 400, Deduct	-1.38	
	For >400, Deduct	-2.08	
	For Tinted Glass, Add	3.46	
	For Reflective Coated Glass, Add	6.92	
	For Low-E Coated Glass, Add	5.77	
	For One Piece Heat Strengthened Glass, Add	4.61	
	For One Piece Fully Tempered Glass, Add	4.61	
	For One Piece Obscure Glass, Add	9.80	
	For Argon Gas, Add	3.17	
08 81 23 13-0064	SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 3/16" lites with 3/8" air space.	24.16	
	For >50 To 200, Deduct	-0.72	
	For >200 To 400, Deduct	-1.45	
	For >400, Deduct	-2.17	
	For Tinted Glass, Add	3.62	
	For Reflective Coated Glass, Add	7.25	
	For Low-E Coated Glass, Add	6.04	
	For One Piece Heat Strengthened Glass, Add	4.83	
	For One Piece Fully Tempered Glass, Add	4.83	
	For One Piece Obscure Glass, Add	10.27	
	For Argon Gas, Add	3.32	
08 81 23 13-0065	SF 7/8" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 3/8" air space.	26.80	
	For >50 To 200, Deduct	-0.80	
	For >200 To 400, Deduct	-1.61	
	For >400, Deduct	-2.41	
	For Tinted Glass, Add	4.02	
	For Reflective Coated Glass, Add	8.04	
	For Low-E Coated Glass, Add	6.70	
	For One Piece Heat Strengthened Glass, Add	5.36	
	For One Piece Fully Tempered Glass, Add	5.36	
	For One Piece Obscure Glass, Add	11.39	
	For Argon Gas, Add	3.69	
08 81 23 13-0066	SF 1" Thick, Insulated Factory Installed Glass ..... Note: Two 5/16" lites with 3/8" air space.	30.27	
	For >50 To 200, Deduct	-0.91	
	For >200 To 400, Deduct	-1.82	
	For >400, Deduct	-2.72	
	For Tinted Glass, Add	4.54	
	For Reflective Coated Glass, Add	9.08	
	For Low-E Coated Glass, Add	7.57	
	For One Piece Heat Strengthened Glass, Add	6.05	
	For One Piece Fully Tempered Glass, Add	6.05	
	For One Piece Obscure Glass, Add	12.86	
	For Argon Gas, Add	4.16	
08 81 23 13-0067	1/2" Air Space, Insulated, Factory Installed Glass (08 81 23 13-0051) Note: Type I, Class I, Quality Q3.		
08 81 23 13-0068	SF 3/4" Thick, Insulated Factory Installed Glass ..... Note: Two 1/8" lites with 1/2" air space.	24.16	
	For >50 To 200, Deduct	-0.72	
	For >200 To 400, Deduct	-1.45	
	For >400, Deduct	-2.17	
	For Tinted Glass, Add	3.62	
	For Reflective Coated Glass, Add	7.25	
	For Low-E Coated Glass, Add	6.04	
	For One Piece Heat Strengthened Glass, Add	4.83	
	For One Piece Fully Tempered Glass, Add	4.83	
	For One Piece Obscure Glass, Add	10.27	
	For Argon Gas, Add	3.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 81 23 13-0069	SF		7/8" Thick, Insulated Factory Installed Glass ..... Note: Two 3/16" lites with 1/2" air space.	26.80	
			<i>For &gt;50 To 200, Deduct</i>	-0.80	
			<i>For &gt;200 To 400, Deduct</i>	-1.61	
			<i>For &gt;400, Deduct</i>	-2.41	
			<i>For Tinted Glass, Add</i>	4.02	
			<i>For Reflective Coated Glass, Add</i>	8.04	
			<i>For Low-E Coated Glass, Add</i>	6.70	
			<i>For One Piece Heat Strengthened Glass, Add</i>	5.36	
			<i>For One Piece Fully Tempered Glass, Add</i>	5.36	
			<i>For One Piece Obscure Glass, Add</i>	11.39	
			<i>For Argon Gas, Add</i>	3.69	
08 81 23 13-0070	SF		7/8" Thick, Insulated Factory Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	26.80	
			<i>For &gt;50 To 200, Deduct</i>	-0.80	
			<i>For &gt;200 To 400, Deduct</i>	-1.61	
			<i>For &gt;400, Deduct</i>	-2.41	
			<i>For Tinted Glass, Add</i>	4.02	
			<i>For Reflective Coated Glass, Add</i>	8.04	
			<i>For Low-E Coated Glass, Add</i>	6.70	
			<i>For One Piece Heat Strengthened Glass, Add</i>	5.36	
			<i>For One Piece Fully Tempered Glass, Add</i>	5.36	
			<i>For One Piece Obscure Glass, Add</i>	11.39	
			<i>For Argon Gas, Add</i>	3.69	
08 81 23 13-0071	SF		1" Thick, Insulated Factory Installed Glass ..... Note: Two 1/4" lites with 1/2" air space.	29.30	
			<i>For &gt;50 To 200, Deduct</i>	-0.88	
			<i>For &gt;200 To 400, Deduct</i>	-1.76	
			<i>For &gt;400, Deduct</i>	-2.64	
			<i>For Tinted Glass, Add</i>	4.40	
			<i>For Reflective Coated Glass, Add</i>	8.79	
			<i>For Low-E Coated Glass, Add</i>	7.33	
			<i>For One Piece Heat Strengthened Glass, Add</i>	5.86	
			<i>For One Piece Fully Tempered Glass, Add</i>	5.86	
			<i>For One Piece Obscure Glass, Add</i>	12.45	
			<i>For Argon Gas, Add</i>	4.03	

**08 81 23 13-0072 Laminated Insulated Glass, Factory Installed Glass (08 81 23 13-0050)**

08 81 23 13-0073	SF		1" Thick, Laminated Insulating Glass, Factory Installed Glass ..... Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	82.04	
			<i>For &gt;50 To 200, Deduct</i>	-2.46	
			<i>For &gt;200 To 400, Deduct</i>	-4.92	
			<i>For &gt;400, Deduct</i>	-7.38	
			<i>For Tinted Glass, Add</i>	12.31	
			<i>For Reflective Coated Glass, Add</i>	24.61	
			<i>For Low-E Coated Glass, Add</i>	20.51	
			<i>For Argon Gas, Add</i>	11.28	
08 81 23 13-0074	SF		1-3/16" Thick, Laminated Insulating Glass, Factory Installed Glass ..... Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	99.62	
			<i>For &gt;50 To 200, Deduct</i>	-2.99	
			<i>For &gt;200 To 400, Deduct</i>	-5.98	
			<i>For &gt;400, Deduct</i>	-8.97	
			<i>For Tinted Glass, Add</i>	14.94	
			<i>For Reflective Coated Glass, Add</i>	29.89	
			<i>For Low-E Coated Glass, Add</i>	24.91	
			<i>For Argon Gas, Add</i>	13.70	
08 81 23 13-0075	SF		1-5/16" Thick, Laminated Insulating Glass, Factory Installed Glass ..... Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass.	117.20	
			<i>For &gt;50 To 200, Deduct</i>	-3.52	
			<i>For &gt;200 To 400, Deduct</i>	-7.03	
			<i>For &gt;400, Deduct</i>	-10.55	
			<i>For Tinted Glass, Add</i>	17.58	
			<i>For Reflective Coated Glass, Add</i>	35.16	
			<i>For Low-E Coated Glass, Add</i>	29.30	
			<i>For Argon Gas, Add</i>	16.12	

**08 81 23 23 Field Installed Glass Glazing (08 81 23)**

08 81 23 23-0001 Heat Treated Field Installed Glass (08 81 23 23)

08 81 23 23-0002 Tempered, Clear Float Field Installed Glass (08 81 23 23-0001)  
Note: Type I, Class I, Quality Q3.

08 81 23 23-0003	SF		1/8" Thick, Tempered, Clear Float Field Installed Glass ..... <i>For &gt;50 To 200, Deduct</i>	28.36	-0.36
			<i>For &gt;200 To 400, Deduct</i>		-0.71
			<i>For &gt;400, Deduct</i>		-1.07
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>		16.48
			<i>For Tinted Glass, Add</i>		2.97
			<i>For Reflective Coated Glass, Add</i>		5.35
			<i>For Low-E Coated Glass, Add</i>		2.97

**08 Openings****08 80 Glazing****08 81 Glass Glazing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 81 23 23-0004	SF 3/16" Thick, Tempered, Clear Float Field Installed Glass .....	30.45	
	For >50 To 200, Deduct	-0.38	
	For >200 To 400, Deduct	-0.76	
	For >400, Deduct	-1.14	
	For Glass Removal And Preparing Opening For New Glazing, Add	17.75	
	For Tinted Glass, Add	3.18	
	For Reflective Coated Glass, Add	5.72	
	For Low-E Coated Glass, Add	3.18	
08 81 23 23-0005	SF 1/4" Thick, Tempered, Clear Float Field Installed Glass .....	34.46	
	For >50 To 200, Deduct	-0.46	
	For >200 To 400, Deduct	-0.93	
	For >400, Deduct	-1.39	
	For Glass Removal And Preparing Opening For New Glazing, Add	19.01	
	For Tinted Glass, Add	3.86	
	For Reflective Coated Glass, Add	6.95	
	For Low-E Coated Glass, Add	3.86	
08 81 23 23-0006	SF 5/16" Thick, Tempered, Clear Float Field Installed Glass .....	47.27	
	For >50 To 200, Deduct	-0.77	
	For >200 To 400, Deduct	-1.54	
	For >400, Deduct	-2.31	
	For Glass Removal And Preparing Opening For New Glazing, Add	21.55	
	For Tinted Glass, Add	6.43	
	For Reflective Coated Glass, Add	11.57	
	For Low-E Coated Glass, Add	6.43	
08 81 23 23-0007	SF 3/8" Thick, Tempered, Clear Float Field Installed Glass .....	61.46	
	For >50 To 200, Deduct	-1.12	
	For >200 To 400, Deduct	-2.24	
	For >400, Deduct	-3.36	
	For Glass Removal And Preparing Opening For New Glazing, Add	24.09	
	For Tinted Glass, Add	9.34	
	For Reflective Coated Glass, Add	16.82	
	For Low-E Coated Glass, Add	9.34	
08 81 23 23-0008	SF 1/2" Thick, Tempered, Clear Float Field Installed Glass .....	67.68	
	For >50 To 200, Deduct	-1.23	
	For >200 To 400, Deduct	-2.46	
	For >400, Deduct	-3.70	
	For Glass Removal And Preparing Opening For New Glazing, Add	26.62	
	For Tinted Glass, Add	10.27	
	For Reflective Coated Glass, Add	18.48	
	For Low-E Coated Glass, Add	10.27	
08 81 23 23-0009	SF 5/8" Thick, Tempered, Clear Float Field Installed Glass .....	82.08	
	For >50 To 200, Deduct	-1.47	
	For >200 To 400, Deduct	-2.95	
	For >400, Deduct	-4.42	
	For Glass Removal And Preparing Opening For New Glazing, Add	32.96	
	For Tinted Glass, Add	12.28	
	For Reflective Coated Glass, Add	22.10	
	For Low-E Coated Glass, Add	12.28	
08 81 23 23-0010	SF 3/4" Thick, Tempered, Clear Float Field Installed Glass .....	99.98	
	For >50 To 200, Deduct	-1.82	
	For >200 To 400, Deduct	-3.64	
	For >400, Deduct	-5.46	
	For Glass Removal And Preparing Opening For New Glazing, Add	39.30	
	For Tinted Glass, Add	15.17	
	For Reflective Coated Glass, Add	27.31	
	For Low-E Coated Glass, Add	15.17	
08 81 23 23-0011	Clear Float Field Installed Glass <small>(08 81 23 23)</small>		
08 81 23 23-0012	Clear Float Field Installed Glass <small>(08 81 23 23-0011)</small>		
	Note: Type I, Class I, Quality Q3.		
08 81 23 23-0013	SF 1/8" Thick, Clear Float Field Installed Glass .....	24.47	
	For >50 To 200, Deduct	-0.24	
	For >200 To 400, Deduct	-0.48	
	For >400, Deduct	-0.72	
	For Glass Removal And Preparing Opening For New Glazing, Add	16.48	
	For Tinted Glass, Add	2.00	
	For Reflective Coated Glass, Add	3.60	
	For Low-E Coated Glass, Add	2.00	
08 81 23 23-0014	SF 3/16" Thick, Clear Float Field Installed Glass .....	26.32	
	For >50 To 200, Deduct	-0.26	
	For >200 To 400, Deduct	-0.51	
	For >400, Deduct	-0.77	
	For Glass Removal And Preparing Opening For New Glazing, Add	17.75	
	For Tinted Glass, Add	2.14	
	For Reflective Coated Glass, Add	3.86	
	For Low-E Coated Glass, Add	2.14	
08 81 23 23-0015	SF 1/4" Thick, Clear Float Field Installed Glass .....	29.40	
	For >50 To 200, Deduct	-0.31	
	For >200 To 400, Deduct	-0.62	
	For >400, Deduct	-0.94	
	For Glass Removal And Preparing Opening For New Glazing, Add	19.01	
	For Tinted Glass, Add	2.60	
	For Reflective Coated Glass, Add	4.68	
	For Low-E Coated Glass, Add	2.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0016	SF		5/16" Thick, Clear Float Field Installed Glass .....	38.82	
			For >50 To 200, Deduct	-0.52	
			For >200 To 400, Deduct	-1.04	
			For >400, Deduct	-1.55	
			For Glass Removal And Preparing Opening For New Glazing, Add	21.55	
			For Tinted Glass, Add	4.32	
			For Reflective Coated Glass, Add	7.77	
			For Low-E Coated Glass, Add	4.32	
08 81 23 23-0017	SF		3/8" Thick, Clear Float Field Installed Glass .....	49.22	
			For >50 To 200, Deduct	-0.75	
			For >200 To 400, Deduct	-1.51	
			For >400, Deduct	-2.26	
			For Glass Removal And Preparing Opening For New Glazing, Add	24.09	
			For Tinted Glass, Add	6.28	
			For Reflective Coated Glass, Add	11.31	
			For Low-E Coated Glass, Add	6.28	
08 81 23 23-0018	SF		1/2" Thick, Clear Float Field Installed Glass .....	54.23	
			For >50 To 200, Deduct	-0.83	
			For >200 To 400, Deduct	-1.66	
			For >400, Deduct	-2.48	
			For Glass Removal And Preparing Opening For New Glazing, Add	26.62	
			For Tinted Glass, Add	6.90	
			For Reflective Coated Glass, Add	12.42	
			For Low-E Coated Glass, Add	6.90	
08 81 23 23-0019	SF		5/8" Thick, Clear Float Field Installed Glass .....	65.99	
			For >50 To 200, Deduct	-0.99	
			For >200 To 400, Deduct	-1.98	
			For >400, Deduct	-2.97	
			For Glass Removal And Preparing Opening For New Glazing, Add	32.96	
			For Tinted Glass, Add	8.26	
			For Reflective Coated Glass, Add	14.86	
			For Low-E Coated Glass, Add	8.26	
08 81 23 23-0020	SF		3/4" Thick, Clear Float Field Installed Glass .....	80.10	
			For >50 To 200, Deduct	-1.22	
			For >200 To 400, Deduct	-2.45	
			For >400, Deduct	-3.67	
			For Glass Removal And Preparing Opening For New Glazing, Add	39.30	
			For Tinted Glass, Add	10.20	
			For Reflective Coated Glass, Add	18.36	
			For Low-E Coated Glass, Add	10.20	
08 81 23 23-0021			Patterned Field Installed Glass (08 81 23 23)		
08 81 23 23-0022			Rough Obscure Field Installed Glass (08 81 23 23-0021) Note: Class II, Form 3, Finish F1.		
08 81 23 23-0023	SF		1/4" Thick, Rough Obscure Field Installed Glass .....	83.96	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.01	
08 81 23 23-0024			Patterned, Figured Field Installed Glass (08 81 23 23-0021) Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.		
08 81 23 23-0025	SF		1/8" Thick, Patterned, Figured Field Installed Glass .....	55.93	
			For Glass Removal And Preparing Opening For New Glazing, Add	16.48	
08 81 23 23-0026	SF		7/32" Thick, Patterned, Figured Field Installed Glass .....	57.83	
			For Glass Removal And Preparing Opening For New Glazing, Add	18.38	
08 81 23 23-0027			Wired Field Installed Glass (08 81 23 23)		
08 81 23 23-0028			Square Or Diamond Pattern, Wired Field Installed Glass (08 81 23 23-0027) Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.		
08 81 23 23-0029	SF		1/4" Thick, Square Pattern, Wired Field Installed Glass .....	121.13	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.01	
08 81 23 23-0030	SF		1/4" Thick, Diamond Pattern, Wired Field Installed Glass .....	121.13	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.01	
08 81 23 23-0031			Polished, Wired Field Installed Glass (08 81 23 23-0027)		
08 81 23 23-0032	SF		1/4" Thick, Polished, Wired Field Installed Glass .....	130.65	
			For Glass Removal And Preparing Opening For New Glazing, Add	19.01	
08 81 23 23-0033			Frosted Field Installed Glass (08 81 23 23)		
08 81 23 23-0034			Frosted Field Installed Glass (08 81 23 23-0033)		
08 81 23 23-0035	SF		1/8" Thick, Frosted Field Installed Glass .....	68.11	
			For >50 To 200, Deduct	-1.55	
			For >200 To 400, Deduct	-3.10	
			For >400, Deduct	-4.65	
			For Glass Removal And Preparing Opening For New Glazing, Add	16.48	
08 81 23 23-0036	SF		3/16" Thick, Frosted Field Installed Glass .....	85.49	
			For >50 To 200, Deduct	-2.03	
			For >200 To 400, Deduct	-4.06	
			For >400, Deduct	-6.10	
			For Glass Removal And Preparing Opening For New Glazing, Add	17.75	

**08 Openings****08 80 Glazing****08 81 Glass Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0037	SF		1/4" Thick, Frosted Field Installed Glass.....	104.64	
			<i>For &gt;50 To 200, Deduct</i>	-2.57	
			<i>For &gt;200 To 400, Deduct</i>	-5.14	
			<i>For &gt;400, Deduct</i>	-7.71	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.01	
08 81 23 23-0038	SF		3/8" Thick, Frosted Field Installed Glass.....	152.09	
			<i>For &gt;50 To 200, Deduct</i>	-3.84	
			<i>For &gt;200 To 400, Deduct</i>	-7.68	
			<i>For &gt;400, Deduct</i>	-11.52	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.09	
08 81 23 23-0039			Fire Rated Field Installed Glass (08 81 23 23)		
08 81 23 23-0040			Fire Rated Field Installed Glass (08 81 23 23-0039)		
08 81 23 23-0041	SF		20 Minute, Fire Rated Field Installed Glass .....	68.06	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.01	
08 81 23 23-0042	SF		45 Minute, Fire Rated Field Installed Glass .....	116.67	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.01	
08 81 23 23-0043	SF		60 Minute, Fire Rated Field Installed Glass .....	169.95	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.01	
08 81 23 23-0044	SF		90 Minute, Fire Rated Field Installed Glass .....	218.78	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.01	
08 81 23 23-0045			Laminated Field Installed Glass (08 81 23 23)		
08 81 23 23-0046			Laminated Glass With PVB Interlayer, Field Installed Glass (08 81 23 23-0045)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0047	SF		1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	46.98	
			<i>For &gt;50 To 200, Deduct</i>	-0.84	
			<i>For &gt;200 To 400, Deduct</i>	-1.68	
			<i>For &gt;400, Deduct</i>	-2.52	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.01	
			<i>For Tinted Glass, Add</i>	5.59	
			<i>For Reflective Coated Glass, Add</i>	8.39	
			<i>For Low-E Coated Glass, Add</i>	6.99	
			<i>For One Piece Heat Strengthened Glass, Add</i>	5.59	
			<i>For One Piece Fully Tempered Glass, Add</i>	5.59	
08 81 23 23-0048	SF		3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	59.00	
			<i>For &gt;50 To 200, Deduct</i>	-1.05	
			<i>For &gt;200 To 400, Deduct</i>	-2.09	
			<i>For &gt;400, Deduct</i>	-3.14	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.09	
			<i>For Tinted Glass, Add</i>	6.98	
			<i>For Reflective Coated Glass, Add</i>	10.47	
			<i>For Low-E Coated Glass, Add</i>	8.73	
			<i>For One Piece Heat Strengthened Glass, Add</i>	6.98	
			<i>For One Piece Fully Tempered Glass, Add</i>	6.98	
08 81 23 23-0049	SF		1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	66.96	
			<i>For &gt;50 To 200, Deduct</i>	-1.21	
			<i>For &gt;200 To 400, Deduct</i>	-2.42	
			<i>For &gt;400, Deduct</i>	-3.63	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	26.62	
			<i>For Tinted Glass, Add</i>	8.07	
			<i>For Reflective Coated Glass, Add</i>	12.10	
			<i>For Low-E Coated Glass, Add</i>	10.09	
			<i>For One Piece Heat Strengthened Glass, Add</i>	8.07	
			<i>For One Piece Fully Tempered Glass, Add</i>	8.07	
08 81 23 23-0050	SF		9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass.....	75.17	
			<i>For &gt;50 To 200, Deduct</i>	-1.36	
			<i>For &gt;200 To 400, Deduct</i>	-2.72	
			<i>For &gt;400, Deduct</i>	-4.08	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	29.79	
			<i>For Tinted Glass, Add</i>	9.08	
			<i>For Reflective Coated Glass, Add</i>	13.61	
			<i>For Low-E Coated Glass, Add</i>	11.35	
			<i>For One Piece Heat Strengthened Glass, Add</i>	9.08	
			<i>For One Piece Fully Tempered Glass, Add</i>	9.08	
08 81 23 23-0051			Insulated Field Installed Glass (08 81 23 23)		
08 81 23 23-0052			Insulated Glass, Field Installed Glass (08 81 23 23-0051)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0053			3/16" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)		
			Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF		3/8" Thick, Insulated Field Installed Glass .....	42.17	
			Note: Two 3/32" lites with 3/16" air space.		
			<i>For &gt;50 To 200, Deduct</i>	-0.63	
			<i>For &gt;200 To 400, Deduct</i>	-1.25	
			<i>For &gt;400, Deduct</i>	-1.88	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.30	
			<i>For Tinted Glass, Add</i>	3.13	
			<i>For Reflective Coated Glass, Add</i>	6.26	
			<i>For Low-E Coated Glass, Add</i>	5.22	
			<i>For One Piece Heat Strengthened Glass, Add</i>	4.17	
			<i>For One Piece Fully Tempered Glass, Add</i>	4.17	
			<i>For One Piece Obscure Glass, Add</i>	8.87	
			<i>For Argon Gas, Add</i>	2.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0055	SF		1/2" Thick, Insulated Field Installed Glass ..... Note: One 3/16" lite and one 1/8" lite with 3/16" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	44.98 -0.68 -1.37 -2.05 22.18 3.42 6.84 5.70 4.56 4.56 9.69 3.14	
08 81 23 23-0056	SF		9/16" Thick, Insulated Field Installed Glass ..... Note: Two 3/16" lites with 3/16" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	45.40 -0.69 -1.37 -2.06 22.56 3.43 6.85 5.71 4.57 4.57 9.71 3.14	
08 81 23 23-0057			<b>1/4" Air Space, Insulated, Field Installed Glass</b> (08 81 23 23-0052) Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF		7/16" Thick, Insulated Field Installed Glass ..... Note: Two 3/32" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	43.16 -0.64 -1.29 -1.93 21.68 3.22 6.44 5.37 4.30 4.30 9.13 2.95	
08 81 23 23-0059	SF		1/2" Thick, Insulated Field Installed Glass ..... Note: Two 1/8" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	44.98 -0.68 -1.37 -2.05 22.18 3.42 6.84 5.70 4.56 4.56 9.69 3.14	
08 81 23 23-0060	SF		5/8" Thick, Insulated Field Installed Glass ..... Note: Two 3/16" lites with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	46.73 -0.69 -1.38 -2.08 23.67 3.46 6.92 5.77 4.61 4.61 9.80 3.17	
08 81 23 23-0061	SF		5/8" Thick, Insulated Field Installed Glass ..... Note: One 1/4" lite and one 1/8" lite with 1/4" air space. For >50 To 200, Deduct For >200 To 400, Deduct For >400, Deduct For Glass Removal And Preparing Opening For New Glazing, Add For Tinted Glass, Add For Reflective Coated Glass, Add For Low-E Coated Glass, Add For One Piece Heat Strengthened Glass, Add For One Piece Fully Tempered Glass, Add For One Piece Obscure Glass, Add For Argon Gas, Add	46.73 -0.69 -1.38 -2.08 23.67 3.46 6.92 5.77 4.61 4.61 9.80 3.17	

## 08 Openings

## 08 80 Glazing

## 08 81 Glass Glazing

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass .....	52.19
		Note: Two 1/4" lites with 1/4" air space.	
		For >50 To 200, Deduct	-0.79
		For >200 To 400, Deduct	-1.58
		For >400, Deduct	-2.37
		For Glass Removal And Preparing Opening For New Glazing, Add	25.83
		For Tinted Glass, Add	3.95
		For Reflective Coated Glass, Add	7.91
		For Low-E Coated Glass, Add	6.59
		For One Piece Heat Strengthened Glass, Add	5.27
		For One Piece Fully Tempered Glass, Add	5.27
		For One Piece Obscure Glass, Add	11.20
		For Argon Gas, Add	3.62

## 08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)

Note: Type I, Class I, Quality Q3.

08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass .....	46.73
		Note: Two 1/8" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.69
		For >200 To 400, Deduct	-1.38
		For >400, Deduct	-2.08
		For Glass Removal And Preparing Opening For New Glazing, Add	23.67
		For Tinted Glass, Add	3.46
		For Reflective Coated Glass, Add	6.92
		For Low-E Coated Glass, Add	5.77
		For One Piece Heat Strengthened Glass, Add	4.61
		For One Piece Fully Tempered Glass, Add	4.61
		For One Piece Obscure Glass, Add	9.80
		For Argon Gas, Add	3.17

08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass .....	49.99
		Note: Two 3/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.72
		For >200 To 400, Deduct	-1.45
		For >400, Deduct	-2.17
		For Glass Removal And Preparing Opening For New Glazing, Add	25.83
		For Tinted Glass, Add	3.62
		For Reflective Coated Glass, Add	7.25
		For Low-E Coated Glass, Add	6.04
		For One Piece Heat Strengthened Glass, Add	4.83
		For One Piece Fully Tempered Glass, Add	4.83
		For One Piece Obscure Glass, Add	10.27
		For Argon Gas, Add	3.32

08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass .....	53.17
		Note: Two 1/4" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.80
		For >200 To 400, Deduct	-1.61
		For >400, Deduct	-2.41
		For Glass Removal And Preparing Opening For New Glazing, Add	26.37
		For Tinted Glass, Add	4.02
		For Reflective Coated Glass, Add	8.04
		For Low-E Coated Glass, Add	6.70
		For One Piece Heat Strengthened Glass, Add	5.36
		For One Piece Fully Tempered Glass, Add	5.36
		For One Piece Obscure Glass, Add	11.39
		For Argon Gas, Add	3.69

08 81 23 23-0067	SF	1" Thick, Insulated Field Installed Glass .....	56.89
		Note: Two 5/16" lites with 3/8" air space.	
		For >50 To 200, Deduct	-0.91
		For >200 To 400, Deduct	-1.82
		For >400, Deduct	-2.72
		For Glass Removal And Preparing Opening For New Glazing, Add	26.62
		For Tinted Glass, Add	4.54
		For Reflective Coated Glass, Add	9.08
		For Low-E Coated Glass, Add	7.57
		For One Piece Heat Strengthened Glass, Add	6.05
		For One Piece Fully Tempered Glass, Add	6.05
		For One Piece Obscure Glass, Add	12.86
		For Argon Gas, Add	4.16

## 08 81 23 23-0068 1/2" Air Space, Insulated, Field Installed Glass (08 81 23 23-0052)

Note: Type I, Class I, Quality Q3.

08 81 23 23-0069	SF	3/4" Thick, Insulated Field Installed Glass .....	49.99
		Note: Two 1/8" lites with 1/2" air space.	
		For >50 To 200, Deduct	-0.72
		For >200 To 400, Deduct	-1.45
		For >400, Deduct	-2.17
		For Glass Removal And Preparing Opening For New Glazing, Add	25.83
		For Tinted Glass, Add	3.62
		For Reflective Coated Glass, Add	7.25
		For Low-E Coated Glass, Add	6.04
		For One Piece Heat Strengthened Glass, Add	4.83
		For One Piece Fully Tempered Glass, Add	4.83
		For One Piece Obscure Glass, Add	10.27
		For Argon Gas, Add	3.32

		MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass .....53.17 Note: Two 3/16" lites with 1/2" air space. For >50 To 200, Deduct -0.80 For >200 To 400, Deduct -1.61 For >400, Deduct -2.41 For Glass Removal And Preparing Opening For New Glazing, Add 26.37 For Tinted Glass, Add 4.02 For Reflective Coated Glass, Add 8.04 For Low-E Coated Glass, Add 6.70 For One Piece Heat Strengthened Glass, Add 5.36 For One Piece Fully Tempered Glass, Add 5.36 For One Piece Obscure Glass, Add 11.39 For Argon Gas, Add 3.69		
08 81 23 23-0071	SF	7/8" Thick, Insulated Field Installed Glass .....53.17 Note: One 1/4" lite and one 1/8" lite with 1/2" air space. For >50 To 200, Deduct -0.80 For >200 To 400, Deduct -1.61 For >400, Deduct -2.41 For Glass Removal And Preparing Opening For New Glazing, Add 26.37 For Tinted Glass, Add 4.02 For Reflective Coated Glass, Add 8.04 For Low-E Coated Glass, Add 6.70 For One Piece Heat Strengthened Glass, Add 5.36 For One Piece Fully Tempered Glass, Add 5.36 For One Piece Obscure Glass, Add 11.39 For Argon Gas, Add 3.69		
08 81 23 23-0072	SF	1" Thick, Insulated Field Installed Glass .....55.92 Note: Two 1/4" lites with 1/2" air space. For >50 To 200, Deduct -0.88 For >200 To 400, Deduct -1.76 For >400, Deduct -2.64 For Glass Removal And Preparing Opening For New Glazing, Add 26.62 For Tinted Glass, Add 4.40 For Reflective Coated Glass, Add 8.79 For Low-E Coated Glass, Add 7.33 For One Piece Heat Strengthened Glass, Add 5.86 For One Piece Fully Tempered Glass, Add 5.86 For One Piece Obscure Glass, Add 12.45 For Argon Gas, Add 4.03		
<b>08 81 23 23-0073 Laminated Insulated Glass, Field Installed Glass (08 81 23 23-0051)</b>				
08 81 23 23-0074	SF	1" Thick, Laminated Insulating Glass, Field Installed Glass..... 108.86 Note: Insulated glass units consisting of 1/4" thick inner pane, 3/16" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -2.46 For >200 To 400, Deduct -4.92 For >400, Deduct -7.38 For Glass Removal And Preparing Opening For New Glazing, Add 26.62 For Tinted Glass, Add 12.31 For Reflective Coated Glass, Add 24.61 For Low-E Coated Glass, Add 20.51 For Argon Gas, Add 11.28		
08 81 23 23-0075	SF	1-3/16" Thick, Laminated Insulating Glass, Field Installed Glass ..... 130.04 Note: Insulated glass units consisting of 1/4" thick inner pane, 3/8" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -2.99 For >200 To 400, Deduct -5.98 For >400, Deduct -8.97 For Glass Removal And Preparing Opening For New Glazing, Add 30.42 For Tinted Glass, Add 14.94 For Reflective Coated Glass, Add 29.89 For Low-E Coated Glass, Add 24.91 For Argon Gas, Add 13.70		
08 81 23 23-0076	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass ..... 152.07 Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of 0.060" PVB film between two layers 1/4" thick glass. For >50 To 200, Deduct -3.52 For >200 To 400, Deduct -7.03 For >400, Deduct -10.55 For Glass Removal And Preparing Opening For New Glazing, Add 34.87 For Tinted Glass, Add 17.58 For Reflective Coated Glass, Add 35.16 For Low-E Coated Glass, Add 29.30 For Argon Gas, Add 16.12		
<b>08 81 23 23-0077 Spandrel Field Installed Glass (08 81 23 23)</b>				
<b>08 81 23 23-0078 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass (08 81 23 23-0077)</b>				
08 81 23 23-0079	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass ..... 42.69 For Glass Removal And Preparing Opening For New Glazing, Add 21.13		
08 81 23 23-0080	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass ..... 38.06 For Glass Removal And Preparing Opening For New Glazing, Add 21.13		
<b>08 81 23 23-0081 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass (08 81 23 23-0077)</b>				



**08 Openings****08 80 Glazing****08 81 Glass Glazing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 81 23 23-0082	1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass (08 81 23 23-0081)		
	Note: Also with aluminum foil vapor barrier.		
08 81 23 23-0083	SF 1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass.....	47.51	
	For Glass Removal And Preparing Opening For New Glazing, Add	21.13	
08 81 23 23-0084	SF 1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass .....	42.27	
	For Glass Removal And Preparing Opening For New Glazing, Add	21.13	
08 81 23 23-0085	1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass (08 81 23 23-0081)		
08 81 23 23-0086	SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass .....	56.61	
	For Glass Removal And Preparing Opening For New Glazing, Add	21.13	
08 81 23 23-0087	SF 1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass .....	46.32	
	For Glass Removal And Preparing Opening For New Glazing, Add	21.13	
<b>08 83</b>	<b>Mirrors (08 80)</b>		
	Note: Kind FT, Type I, Class I, Quality Q1.		
<b>08 83 13</b>	<b>Mirrored Glass Glazing (08 83)</b>		
08 83 13 00-0001	Mirror Glass (08 83 13)		
08 83 13 00-0002	One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0003	SF 1/4" One-Way Vision Glass (Transparent Mirrors).....	90.70	9.51
	For >50 To 200, Deduct	-2.16	
	For >200 To 400, Deduct	-3.60	
	For >400, Deduct	-5.75	
08 83 13 00-0004	Tempered, One-Way Vision Glass (Transparent Mirrors) (08 83 13 00-0001)		
08 83 13 00-0005	SF 1/4" Tempered, One-Way Vision Glass (Transparent Mirrors).....	126.39	9.51
	For >50 To 200, Deduct	-3.23	
	For >200 To 400, Deduct	-5.38	
	For >400, Deduct	-8.61	
08 83 13 00-0006	Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0007	SF 1/8" Clear Mirror Glass .....	31.19	7.61
	For >50 To 200, Deduct	-0.48	
	For >200 To 400, Deduct	-0.80	
	For >400, Deduct	-1.28	
08 83 13 00-0008	SF 3/16" Clear Mirror Glass .....	36.84	8.87
	For >50 To 200, Deduct	-0.58	
	For >200 To 400, Deduct	-0.97	
	For >400, Deduct	-1.55	
08 83 13 00-0009	SF 1/4" Clear Mirror Glass .....	40.36	9.51
	For >50 To 200, Deduct	-0.65	
	For >200 To 400, Deduct	-1.08	
	For >400, Deduct	-1.73	
08 83 13 00-0010	Tempered, Clear Mirror Glass (08 83 13 00-0001)		
08 83 13 00-0011	SF 1/8" Tempered, Clear Mirror Glass .....	50.35	7.61
	For >50 To 200, Deduct	-1.05	
	For >200 To 400, Deduct	-1.76	
	For >400, Deduct	-2.81	
08 83 13 00-0012	SF 3/16" Tempered, Clear Mirror Glass .....	57.17	8.87
	For >50 To 200, Deduct	-1.19	
	For >200 To 400, Deduct	-1.98	
	For >400, Deduct	-3.18	
08 83 13 00-0013	SF 1/4" Tempered, Clear Mirror Glass .....	63.03	9.51
	For >50 To 200, Deduct	-1.33	
	For >200 To 400, Deduct	-2.21	
	For >400, Deduct	-3.54	
08 83 13 00-0014	Clear Mirror Glass With Laminated Safety Backing (08 83 13 00-0001)		
08 83 13 00-0015	SF 1/4" Clear Mirror Glass With Laminated Safety Backing .....	43.67	9.51
	For >50 To 200, Deduct	-0.75	
	For >200 To 400, Deduct	-1.24	
	For >400, Deduct	-1.99	
08 83 13 00-0016	Laminated Safety Mirror Glass (08 83 13 00-0001)		
	Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF 1/4" Laminated Safety Mirror Glass .....	82.45	9.51
	For >50 To 200, Deduct	-1.91	
	For >200 To 400, Deduct	-3.18	
	For >400, Deduct	-5.09	
08 83 13 00-0018	Accessories For Mirror Glass (08 83 13)		
08 83 13 00-0019	LF 1/8" Aluminum J-Channel For Mounting Mirror Glass.....	5.97	
08 83 13 00-0020	LF 3/16" Aluminum J-Channel For Mounting Mirror Glass.....	6.08	
08 83 13 00-0021	LF 1/4" Aluminum J-Channel For Mounting Mirror Glass.....	7.57	
08 83 13 00-0022	LF Aluminum Frame For Mounting Mirror Glass .....	9.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**08 83 13 00-0023 Removal And Reinstallation Of Mirror Glass (08 83 13)**

Note: Including storage, cleaning and supply materials.

08 83 13 00-0024	SF		Removal And Reinstallation Of Mirror Unframed	24.25	
			For Glass Removal And Preparing Opening For New Glazing, Add	23.78	

**08 84 Plastic Glazing (08 80)**

**08 84 00 00-0001 Clear Polycarbonate Glazing (GE Lexan) (08 84)**

See CSI section 08 88 53 00-0026 for security rated polycarbonate glazing.

08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	20.97		
		For >50 To 200, Deduct	-0.45		
		For >200 To 400, Deduct	-0.90		
		For >400, Deduct	-1.35		
		For Glass Removal And Preparing Opening For New Glazing, Add	11.96		
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	22.07		
		For >50 To 200, Deduct	-0.48		
		For >200 To 400, Deduct	-0.97		
		For >400, Deduct	-1.45		
		For Glass Removal And Preparing Opening For New Glazing, Add	12.42		
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	26.00		
		For >50 To 200, Deduct	-0.65		
		For >200 To 400, Deduct	-1.31		
		For >400, Deduct	-1.96		
		For Glass Removal And Preparing Opening For New Glazing, Add	12.92		
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	36.79		
		For >50 To 200, Deduct	-1.18		
		For >200 To 400, Deduct	-2.35		
		For >400, Deduct	-3.53		
		For Glass Removal And Preparing Opening For New Glazing, Add	13.29		
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	46.19		
		For >50 To 200, Deduct	-1.60		
		For >200 To 400, Deduct	-3.19		
		For >400, Deduct	-4.79		
		For Glass Removal And Preparing Opening For New Glazing, Add	14.26		

**08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) (08 84)**

08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	30.49		
		For >50 To 200, Deduct	-0.93		
		For >200 To 400, Deduct	-1.85		
		For >400, Deduct	-2.78		
		For Glass Removal And Preparing Opening For New Glazing, Add	11.96		
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	35.22		
		For >50 To 200, Deduct	-1.14		
		For >200 To 400, Deduct	-2.28		
		For >400, Deduct	-3.42		
		For Glass Removal And Preparing Opening For New Glazing, Add	12.42		
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	37.18		
		For >50 To 200, Deduct	-1.21		
		For >200 To 400, Deduct	-2.43		
		For >400, Deduct	-3.64		
		For Glass Removal And Preparing Opening For New Glazing, Add	12.92		
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	60.16		
		For >50 To 200, Deduct	-2.34		
		For >200 To 400, Deduct	-4.69		
		For >400, Deduct	-7.03		
		For Glass Removal And Preparing Opening For New Glazing, Add	13.29		
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	63.94		
		For >50 To 200, Deduct	-2.48		
		For >200 To 400, Deduct	-4.97		
		For >400, Deduct	-7.45		
		For Glass Removal And Preparing Opening For New Glazing, Add	14.26		

**08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) (08 84)**

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	15.25		
		For >50 To 200, Deduct	-0.19		
		For >200 To 400, Deduct	-0.38		
		For >400, Deduct	-0.58		
		For Glass Removal And Preparing Opening For New Glazing, Add	11.41		
		For Colored, Add	0.77		
		For Shatterproof, Add	2.30		
		For Mirrored, Add	3.07		
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	15.85		
		For >50 To 200, Deduct	-0.19		
		For >200 To 400, Deduct	-0.39		
		For >400, Deduct	-0.58		
		For Glass Removal And Preparing Opening For New Glazing, Add	11.96		
		For Colored, Add	0.78		
		For Shatterproof, Add	2.33		
		For Mirrored, Add	3.11		

**08 Openings****08 80 Glazing****08 84 Plastic Glazing**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.49
		<i>For &gt;50 To 200, Deduct</i>	-0.30
		<i>For &gt;200 To 400, Deduct</i>	-0.61
		<i>For &gt;400, Deduct</i>	-0.91
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.42
		<i>For Colored, Add</i>	1.21
		<i>For Shatterproof, Add</i>	3.64
		<i>For Mirrored, Add</i>	4.86
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	20.92
		<i>For &gt;50 To 200, Deduct</i>	-0.40
		<i>For &gt;200 To 400, Deduct</i>	-0.80
		<i>For &gt;400, Deduct</i>	-1.20
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.92
		<i>For Colored, Add</i>	1.60
		<i>For Shatterproof, Add</i>	4.80
		<i>For Mirrored, Add</i>	6.40
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	21.37
		<i>For &gt;50 To 200, Deduct</i>	-0.42
		<i>For &gt;200 To 400, Deduct</i>	-0.84
		<i>For &gt;400, Deduct</i>	-1.26
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	12.99
		<i>For Colored, Add</i>	1.68
		<i>For Shatterproof, Add</i>	5.03
		<i>For Mirrored, Add</i>	6.70
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	22.05
		<i>For &gt;50 To 200, Deduct</i>	-0.44
		<i>For &gt;200 To 400, Deduct</i>	-0.88
		<i>For &gt;400, Deduct</i>	-1.31
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	13.29
		<i>For Colored, Add</i>	1.75
		<i>For Shatterproof, Add</i>	5.26
		<i>For Mirrored, Add</i>	7.01
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	25.84
		<i>For &gt;50 To 200, Deduct</i>	-0.58
		<i>For &gt;200 To 400, Deduct</i>	-1.16
		<i>For &gt;400, Deduct</i>	-1.74
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	14.26
		<i>For Colored, Add</i>	2.32
		<i>For Shatterproof, Add</i>	6.95
		<i>For Mirrored, Add</i>	9.26
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	36.09
		<i>For &gt;50 To 200, Deduct</i>	-0.90
		<i>For &gt;200 To 400, Deduct</i>	-1.80
		<i>For &gt;400, Deduct</i>	-2.71
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	18.05
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	47.35
		<i>For &gt;50 To 200, Deduct</i>	-1.39
		<i>For &gt;200 To 400, Deduct</i>	-2.78
		<i>For &gt;400, Deduct</i>	-4.16
		<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.60

**08 87 Glazing Surface Films** (08 80)**08 87 13 Solar Control Films** (08 87)

Note: Applied directly to one side of glazing with adhesive.

**08 87 13 00-0001 Solar Control Window Films** (08 87 13)

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	18.53
08 87 13 00-0003	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	19.17

**08 87 23 Safety and Security Films** (08 87)**08 87 23 16 Security Films** (08 87 23)

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

**08 87 23 16-0001 High Performance, Security And Safety Glazing Films** (08 87 23 16)

Note: Includes cleaning of window glazing prior to installation.

**08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films** (08 87 23 16-0001)

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	18.83
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.86
		<i>For &gt;5,000, Deduct</i>	-1.22
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	20.04
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.90
		<i>For &gt;5,000, Deduct</i>	-1.34
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	21.74
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.97
		<i>For &gt;5,000, Deduct</i>	-1.51

**08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films** (08 87

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	21.39
		<i>For &gt;1,000 To 5,000, Deduct</i>	-0.95
		<i>For &gt;5,000, Deduct</i>	-1.48

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 87 23 16-0008	SF		0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400).....	21.39	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.95	
			<i>For &gt;5,000, Deduct</i>	-1.48	
08 87 23 16-0009	SF		0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400).....	21.39	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.95	
			<i>For &gt;5,000, Deduct</i>	-1.48	

**08 87 23 16-0010 Security And Safety Glazing Films (08 87 23 16)**

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF		0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL).....	17.48	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.81	
			<i>For &gt;5,000, Deduct</i>	-1.09	
08 87 23 16-0012	SF		0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL).....	17.80	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.82	
			<i>For &gt;5,000, Deduct</i>	-1.12	
08 87 23 16-0013	SF		0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL).....	20.87	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.93	
			<i>For &gt;5,000, Deduct</i>	-1.43	

**08 87 23 16-0014 Anti-Graffiti Glazing Films (08 87 23 16)**

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015	SF		0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4).....	17.48	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.81	
			<i>For &gt;5,000, Deduct</i>	-1.09	
08 87 23 16-0016	SF		0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7).....	17.80	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.82	
			<i>For &gt;5,000, Deduct</i>	-1.12	

**08 88 Special Function Glazing (08 80)**

**08 88 49 Radiation-Resistant Glazing (08 88)**

**08 88 49 00-0001 Leaded Glass (X-Ray Shielding) (08 88 49)**

08 88 49 00-0002	SF		1/4" Thick Lead Glass With 1/16" Lead Equivalence.....	377.31	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.09	
08 88 49 00-0003	SF		1/4" Thick Lead Glass With 1/8" Lead Equivalence.....	560.52	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.09	

**08 88 53 Security Glazing (08 88)**

**08 88 53 00-0001 Forced Entry And/or Ballistic Resistant All Glass Laminate (08 88 53)**

**08 88 53 00-0002 Ballistic Resistant Glass (08 88 53 00-0001)**

08 88 53 00-0003	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF.....	152.82	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	78.60	
08 88 53 00-0004	SF		1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF.....	177.97	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	78.60	
08 88 53 00-0005	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF.....	201.79	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	88.73	
08 88 53 00-0006	SF		1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF.....	222.79	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	88.73	
08 88 53 00-0007	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF.....	253.30	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	101.42	
08 88 53 00-0008	SF		2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF.....	270.18	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	101.42	

**08 88 53 00-0009 Forced Entry Resistant Glass (08 88 53 00-0001)**

08 88 53 00-0010	SF		5/16" Forced Entry Resistant Laminated Glass Sheet.....	55.41	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	19.81	
08 88 53 00-0011	SF		1/2" Forced Entry Resistant Laminated Glass Sheet.....	62.75	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	21.13	
08 88 53 00-0012	SF		11/16" Forced Entry Resistant Laminated Glass Sheet.....	71.40	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	22.63	
08 88 53 00-0013	SF		7/8" Forced Entry Resistant Laminated Glass Sheet.....	86.08	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	24.38	

**08 88 53 00-0014 Glass Clad Polycarbonate (08 88 53)**

08 88 53 00-0015	SF		0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF.....	221.54	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	96.35	
08 88 53 00-0016	SF		0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF.....	248.13	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	111.56	
08 88 53 00-0017	SF		0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF.....	315.36	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	126.77	

**08 88 53 00-0018 Ballistic Resistant Acrylic (08 88 53)**

08 88 53 00-0019	SF		1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF.....	372.74	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	96.35	
08 88 53 00-0020	SF		1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF.....	436.72	
			<i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	111.56	

**08 Openings****08 80 Glazing****08 88 Special Function Glazing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0021	SF		1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	581.99 126.77	
<b>08 88 53 00-0022</b>			<b>Ballistic Resistant Fiberglass</b> (08 88 53)		
08 88 53 00-0023	SF		5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	94.34 48.17	
08 88 53 00-0024	SF		3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	111.47 55.77	
08 88 53 00-0025	SF		7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	126.46 63.38	
<b>08 88 53 00-0026</b>			<b>Forced Entry And/or Ballistic Resistant Polycarbonate</b> (08 88 53)		
<b>08 88 53 00-0027</b>			<b>Forced Entry Resistant Monolithic Polycarbonate</b> (08 88 53 00-0026) Note: GE-Lexan MR10.		
08 88 53 00-0028	SF		1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	131.82 76.83	
<b>08 88 53 00-0029</b>			<b>Forced Entry Resistant Glass Clad Polycarbonate Laminate</b> (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0030	SF		9/16" Overall Nominal Thickness, H.P. White TP-0500.01 <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	162.97 95.07	
<b>08 88 53 00-0031</b>			<b>Forced Entry Resistant Polycarbonate Laminate</b> (08 88 53 00-0026) Note: GE-Lexgard MPC-500.		
08 88 53 00-0032	SF		1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	199.42 101.42	
<b>08 88 53 00-0033</b>			<b>Fire Resistant, Forced Entry Resistant Polycarbonate Laminate</b> (08 88 53 00-0026) Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.		
08 88 53 00-0034	SF		7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant. <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	218.36 107.76	
<b>08 88 53 00-0035</b>			<b>Insulated, Forced Entry Resistant Polycarbonate Laminate</b> (08 88 53 00-0026) Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.		
08 88 53 00-0036	SF		1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	187.24 95.07	
<b>08 88 53 00-0037</b>			<b>Ballistic And Forced Entry Resistant Polycarbonate Laminate</b> (08 88 53 00-0026)		
08 88 53 00-0038	SF		1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	431.48 210.44	
08 88 53 00-0039	SF		1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	436.71 210.44	
<b>08 88 53 00-0040</b>			<b>Ballistic Resistant Glass Clad Polycarbonate Laminate</b> (08 88 53 00-0026) Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.		
08 88 53 00-0041	SF		1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard). <i>For Glass Removal And Preparing Opening For New Glazing, Add</i>	287.30 141.98	

**08 90 Louvers and Vents** (08)**08 91 Louvers** (08 90)**08 91 13 Motorized Wall Louvers** (08 91)**08 91 13 00-0001 Motorized Wall Louver Actuator** (08 91 13)

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA		115 Volt Actuator For Adjustable Intake Louver.....	2,215.69	116.90
08 91 13 00-0003	EA		230 Volt Actuator For Adjustable Intake Louver.....	3,420.99	116.90
08 91 13 00-0004	EA		24 Volt Actuator For Adjustable Intake Louver.....	2,387.49	116.90
08 91 13 00-0005	EA		115 Volt Hazardous Location Actuator For Adjustable Intake Louver.....	9,462.23	116.90

**08 91 16 Operable Wall Louvers** (08 91)



MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>08 91 16 00-0001</b>	<b>Adjustable Intake Wall Louvers</b> <small>(08 91 16)</small> See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.		
08 91 16 00-0002	EA 12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	613.52	30.95
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	55.16	
	For Clear Lacquer Finish, Add	110.33	
	For Baked Enamel Standard Colors, Add	165.49	
	For Anodized Finish, Add	220.66	
	For Kynar® Standard Colors Finish, Add	303.40	
08 91 16 00-0003	EA 12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	766.87	37.82
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	69.12	
	For Clear Lacquer Finish, Add	138.25	
	For Baked Enamel Standard Colors, Add	207.37	
	For Anodized Finish, Add	276.49	
	For Kynar® Standard Colors Finish, Add	380.18	
08 91 16 00-0004	EA 12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	906.79	44.70
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	81.74	
	For Clear Lacquer Finish, Add	163.48	
	For Baked Enamel Standard Colors, Add	245.22	
	For Anodized Finish, Add	326.96	
	For Kynar® Standard Colors Finish, Add	449.57	
08 91 16 00-0005	EA 12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,061.48	51.58
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	95.83	
	For Clear Lacquer Finish, Add	191.67	
	For Baked Enamel Standard Colors, Add	287.50	
	For Anodized Finish, Add	383.33	
	For Kynar® Standard Colors Finish, Add	527.08	
08 91 16 00-0006	EA 12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,196.03	58.45
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	107.91	
	For Clear Lacquer Finish, Add	215.83	
	For Baked Enamel Standard Colors, Add	323.74	
	For Anodized Finish, Add	431.65	
	For Kynar® Standard Colors Finish, Add	593.92	
08 91 16 00-0007	EA 12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,412.46	65.32
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	128.18	
	For Clear Lacquer Finish, Add	256.36	
	For Baked Enamel Standard Colors, Add	384.54	
	For Anodized Finish, Add	512.72	
	For Kynar® Standard Colors Finish, Add	704.99	
08 91 16 00-0008	EA 12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,610.09	72.20
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	146.57	
	For Clear Lacquer Finish, Add	293.14	
	For Baked Enamel Standard Colors, Add	439.70	
	For Anodized Finish, Add	586.27	
	For Kynar® Standard Colors Finish, Add	806.12	
08 91 16 00-0009	EA 12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	1,787.76	82.52
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	162.27	
	For Clear Lacquer Finish, Add	324.54	
	For Baked Enamel Standard Colors, Add	486.82	
	For Anodized Finish, Add	649.09	
	For Kynar® Standard Colors Finish, Add	892.50	
08 91 16 00-0010	EA 12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	1,907.54	89.39
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	172.88	
	For Clear Lacquer Finish, Add	345.75	
	For Baked Enamel Standard Colors, Add	518.63	
	For Anodized Finish, Add	691.50	
	For Kynar® Standard Colors Finish, Add	950.81	
08 91 16 00-0011	EA 12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,058.20	96.27
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	186.57	
	For Clear Lacquer Finish, Add	373.13	
	For Baked Enamel Standard Colors, Add	559.70	
	For Anodized Finish, Add	746.26	
	For Kynar® Standard Colors Finish, Add	1,026.11	
08 91 16 00-0012	EA 12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,190.07	103.15
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	198.38	
	For Clear Lacquer Finish, Add	396.75	
	For Baked Enamel Standard Colors, Add	595.13	
	For Anodized Finish, Add	793.51	
	For Kynar® Standard Colors Finish, Add	1,091.07	
08 91 16 00-0013	EA 12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	2,359.52	110.03
	Note: Includes bird screen. Excludes actuator.		
	For Flange Frame, Add	213.95	
	For Clear Lacquer Finish, Add	427.89	
	For Baked Enamel Standard Colors, Add	641.84	
	For Anodized Finish, Add	855.79	
	For Kynar® Standard Colors Finish, Add	1,176.71	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	2,522.26	116.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	228.85	
		For Clear Lacquer Finish, Add	457.69	
		For Baked Enamel Standard Colors, Add	686.54	
		For Anodized Finish, Add	915.38	
		For Kynar® Standard Colors Finish, Add	1,258.65	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	2,724.09	127.22
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	246.97	
		For Clear Lacquer Finish, Add	493.93	
		For Baked Enamel Standard Colors, Add	740.90	
		For Anodized Finish, Add	987.86	
		For Kynar® Standard Colors Finish, Add	1,358.31	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	2,872.23	137.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	259.72	
		For Clear Lacquer Finish, Add	519.43	
		For Baked Enamel Standard Colors, Add	779.15	
		For Anodized Finish, Add	1,038.86	
		For Kynar® Standard Colors Finish, Add	1,428.44	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	687.68	37.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	61.20	
		For Clear Lacquer Finish, Add	122.41	
		For Baked Enamel Standard Colors, Add	183.61	
		For Anodized Finish, Add	244.82	
		For Kynar® Standard Colors Finish, Add	336.62	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	868.03	48.14
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	77.18	
		For Clear Lacquer Finish, Add	154.35	
		For Baked Enamel Standard Colors, Add	231.53	
		For Anodized Finish, Add	308.70	
		For Kynar® Standard Colors Finish, Add	424.47	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,018.70	55.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	90.87	
		For Clear Lacquer Finish, Add	181.73	
		For Baked Enamel Standard Colors, Add	272.60	
		For Anodized Finish, Add	363.47	
		For Kynar® Standard Colors Finish, Add	499.77	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,267.66	68.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	113.01	
		For Clear Lacquer Finish, Add	226.03	
		For Baked Enamel Standard Colors, Add	339.04	
		For Anodized Finish, Add	452.05	
		For Kynar® Standard Colors Finish, Add	621.57	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,442.49	75.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	129.12	
		For Clear Lacquer Finish, Add	258.24	
		For Baked Enamel Standard Colors, Add	387.36	
		For Anodized Finish, Add	516.48	
		For Kynar® Standard Colors Finish, Add	710.16	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	1,617.30	82.52
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	145.23	
		For Clear Lacquer Finish, Add	290.45	
		For Baked Enamel Standard Colors, Add	435.68	
		For Anodized Finish, Add	580.90	
		For Kynar® Standard Colors Finish, Add	798.74	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	1,827.01	89.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	164.82	
		For Clear Lacquer Finish, Add	329.64	
		For Baked Enamel Standard Colors, Add	494.47	
		For Anodized Finish, Add	659.29	
		For Kynar® Standard Colors Finish, Add	906.52	
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,026.15	99.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	182.67	
		For Clear Lacquer Finish, Add	365.35	
		For Baked Enamel Standard Colors, Add	548.02	
		For Anodized Finish, Add	730.69	
		For Kynar® Standard Colors Finish, Add	1,004.70	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,185.03	110.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	196.50	
		For Clear Lacquer Finish, Add	393.00	
		For Baked Enamel Standard Colors, Add	589.49	
		For Anodized Finish, Add	785.99	
		For Kynar® Standard Colors Finish, Add	1,080.74	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,338.38	116.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	210.46	
		For Clear Lacquer Finish, Add	420.91	
		For Baked Enamel Standard Colors, Add	631.37	
		For Anodized Finish, Add	841.83	
		For Kynar® Standard Colors Finish, Add	1,157.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0027	EA		18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,482.32  223.48 446.95 670.43 893.90 1,229.12	123.78
08 91 16 00-0028	EA		18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,669.22  240.79 481.58 722.37 963.16 1,324.35	130.66
08 91 16 00-0029	EA		18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,849.41  257.43 514.87 772.30 1,029.74 1,415.89	137.53
08 91 16 00-0030	EA		18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,068.68  277.30 554.60 831.90 1,109.20 1,525.14	147.85
08 91 16 00-0031	EA		18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	3,234.26  291.79 583.59 875.38 1,167.18 1,604.87	158.17
08 91 16 00-0032	EA		24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	768.54  67.92 135.83 203.75 271.66 373.53	44.70
08 91 16 00-0033	EA		24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	975.75  86.57 173.14 259.72 346.29 476.15	55.02
08 91 16 00-0034	EA		24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,209.79  107.91 215.83 323.74 431.65 593.52	65.32
08 91 16 00-0035	EA		24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,426.55  126.84 253.68 380.51 507.35 697.61	79.08
08 91 16 00-0036	EA		24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,618.81  144.69 289.38 434.07 578.76 795.79	85.96
08 91 16 00-0037	EA		24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	1,821.80  163.61 327.23 490.84 654.46 899.88	92.83
08 91 16 00-0038	EA		24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,071.96  186.57 373.13 559.70 746.26 1,026.11	103.15
08 91 16 00-0039	EA		24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator. For Flange Frame, Add For Clear Lacquer Finish, Add For Baked Enamel Standard Colors, Add For Anodized Finish, Add For Kynar® Standard Colors Finish, Add	2,282.01  204.82 409.64 614.46 819.28 1,126.51	116.90

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,446.08	123.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	219.85	
		For Clear Lacquer Finish, Add	439.70	
		For Baked Enamel Standard Colors, Add	659.56	
		For Anodized Finish, Add	879.41	
		For Kynar® Standard Colors Finish, Add	1,209.19	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	2,623.92	137.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	234.89	
		For Clear Lacquer Finish, Add	469.77	
		For Baked Enamel Standard Colors, Add	704.66	
		For Anodized Finish, Add	939.54	
		For Kynar® Standard Colors Finish, Add	1,291.87	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	2,790.68	144.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	250.19	
		For Clear Lacquer Finish, Add	500.37	
		For Baked Enamel Standard Colors, Add	750.56	
		For Anodized Finish, Add	1,000.74	
		For Kynar® Standard Colors Finish, Add	1,376.02	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,017.84	151.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	271.53	
		For Clear Lacquer Finish, Add	543.05	
		For Baked Enamel Standard Colors, Add	814.58	
		For Anodized Finish, Add	1,086.11	
		For Kynar® Standard Colors Finish, Add	1,493.40	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,210.10	158.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	289.38	
		For Clear Lacquer Finish, Add	578.76	
		For Baked Enamel Standard Colors, Add	868.13	
		For Anodized Finish, Add	1,157.51	
		For Kynar® Standard Colors Finish, Add	1,591.58	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	3,452.20	168.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	311.53	
		For Clear Lacquer Finish, Add	623.05	
		For Baked Enamel Standard Colors, Add	934.58	
		For Anodized Finish, Add	1,246.10	
		For Kynar® Standard Colors Finish, Add	1,713.39	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	3,629.87	178.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	327.23	
		For Clear Lacquer Finish, Add	654.46	
		For Baked Enamel Standard Colors, Add	981.68	
		For Anodized Finish, Add	1,308.91	
		For Kynar® Standard Colors Finish, Add	1,799.75	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	856.12	51.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	75.30	
		For Clear Lacquer Finish, Add	150.59	
		For Baked Enamel Standard Colors, Add	225.89	
		For Anodized Finish, Add	301.19	
		For Kynar® Standard Colors Finish, Add	414.13	
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,140.15	68.76
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	100.26	
		For Clear Lacquer Finish, Add	200.52	
		For Baked Enamel Standard Colors, Add	300.79	
		For Anodized Finish, Add	401.05	
		For Kynar® Standard Colors Finish, Add	551.44	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,354.07	79.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	119.59	
		For Clear Lacquer Finish, Add	239.18	
		For Baked Enamel Standard Colors, Add	358.77	
		For Anodized Finish, Add	478.36	
		For Kynar® Standard Colors Finish, Add	657.75	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	1,588.10	89.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	140.93	
		For Clear Lacquer Finish, Add	281.86	
		For Baked Enamel Standard Colors, Add	422.79	
		For Anodized Finish, Add	563.72	
		For Kynar® Standard Colors Finish, Add	775.12	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,797.81	96.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	160.53	
		For Clear Lacquer Finish, Add	321.05	
		For Baked Enamel Standard Colors, Add	481.58	
		For Anodized Finish, Add	642.11	
		For Kynar® Standard Colors Finish, Add	862.90	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,014.40	106.59
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	180.12	
		For Clear Lacquer Finish, Add	360.25	
		For Baked Enamel Standard Colors, Add	540.37	
		For Anodized Finish, Add	720.49	
		For Kynar® Standard Colors Finish, Add	990.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0053	EA		30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,275.13	113.46
			<i>For Flange Frame, Add</i>	204.82	
			<i>For Clear Lacquer Finish, Add</i>	409.64	
			<i>For Baked Enamel Standard Colors, Add</i>	614.46	
			<i>For Anodized Finish, Add</i>	819.28	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,126.51	
08 91 16 00-0054	EA		30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,497.09	123.78
			<i>For Flange Frame, Add</i>	224.95	
			<i>For Clear Lacquer Finish, Add</i>	449.91	
			<i>For Baked Enamel Standard Colors, Add</i>	674.86	
			<i>For Anodized Finish, Add</i>	899.81	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,237.24	
08 91 16 00-0055	EA		30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,679.95	130.66
			<i>For Flange Frame, Add</i>	241.86	
			<i>For Clear Lacquer Finish, Add</i>	483.73	
			<i>For Baked Enamel Standard Colors, Add</i>	725.59	
			<i>For Anodized Finish, Add</i>	967.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,330.25	
08 91 16 00-0056	EA		30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,879.27	144.41
			<i>For Flange Frame, Add</i>	259.05	
			<i>For Clear Lacquer Finish, Add</i>	518.09	
			<i>For Baked Enamel Standard Colors, Add</i>	777.14	
			<i>For Anodized Finish, Add</i>	1,036.18	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,424.75	
08 91 16 00-0057	EA		30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,070.35	154.73
			<i>For Flange Frame, Add</i>	276.09	
			<i>For Clear Lacquer Finish, Add</i>	552.18	
			<i>For Baked Enamel Standard Colors, Add</i>	828.27	
			<i>For Anodized Finish, Add</i>	1,104.36	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,518.50	
08 91 16 00-0058	EA		30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,312.28	161.60
			<i>For Flange Frame, Add</i>	298.91	
			<i>For Clear Lacquer Finish, Add</i>	597.82	
			<i>For Baked Enamel Standard Colors, Add</i>	896.72	
			<i>For Anodized Finish, Add</i>	1,195.63	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,643.99	
08 91 16 00-0059	EA		30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,521.99	168.48
			<i>For Flange Frame, Add</i>	318.50	
			<i>For Clear Lacquer Finish, Add</i>	637.01	
			<i>For Baked Enamel Standard Colors, Add</i>	955.51	
			<i>For Anodized Finish, Add</i>	1,274.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,751.77	
08 91 16 00-0060	EA		30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,776.17	178.79
			<i>For Flange Frame, Add</i>	341.86	
			<i>For Clear Lacquer Finish, Add</i>	683.72	
			<i>For Baked Enamel Standard Colors, Add</i>	1,025.57	
			<i>For Anodized Finish, Add</i>	1,367.43	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,880.22	
08 91 16 00-0061	EA		30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,978.00	189.10
			<i>For Flange Frame, Add</i>	359.98	
			<i>For Clear Lacquer Finish, Add</i>	719.96	
			<i>For Baked Enamel Standard Colors, Add</i>	1,079.93	
			<i>For Anodized Finish, Add</i>	1,439.91	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,979.88	
08 91 16 00-0062	EA		36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	936.98	58.45
			<i>For Flange Frame, Add</i>	82.01	
			<i>For Clear Lacquer Finish, Add</i>	164.02	
			<i>For Baked Enamel Standard Colors, Add</i>	246.02	
			<i>For Anodized Finish, Add</i>	328.03	
			<i>For Kynar® Standard Colors Finish, Add</i>	451.04	
08 91 16 00-0063	EA		36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,269.34	75.64
			<i>For Flange Frame, Add</i>	111.81	
			<i>For Clear Lacquer Finish, Add</i>	223.61	
			<i>For Baked Enamel Standard Colors, Add</i>	335.42	
			<i>For Anodized Finish, Add</i>	447.22	
			<i>For Kynar® Standard Colors Finish, Add</i>	614.93	
08 91 16 00-0064	EA		36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,484.59	85.96
			<i>For Flange Frame, Add</i>	131.27	
			<i>For Clear Lacquer Finish, Add</i>	262.53	
			<i>For Baked Enamel Standard Colors, Add</i>	393.80	
			<i>For Anodized Finish, Add</i>	525.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	721.97	
08 91 16 00-0065	EA		36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,741.44	96.27
			<i>For Flange Frame, Add</i>	154.89	
			<i>For Clear Lacquer Finish, Add</i>	309.78	
			<i>For Baked Enamel Standard Colors, Add</i>	464.67	
			<i>For Anodized Finish, Add</i>	619.56	
			<i>For Kynar® Standard Colors Finish, Add</i>	851.90	



## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	1,979.41	104.52
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	177.04	
		<i>For Clear Lacquer Finish, Add</i>	354.07	
		<i>For Baked Enamel Standard Colors, Add</i>	531.11	
		<i>For Anodized Finish, Add</i>	708.14	
		<i>For Kynar® Standard Colors Finish, Add</i>	973.70	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,202.65	113.46
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	197.57	
		<i>For Clear Lacquer Finish, Add</i>	395.14	
		<i>For Baked Enamel Standard Colors, Add</i>	592.72	
		<i>For Anodized Finish, Add</i>	790.29	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,086.65	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,494.23	120.34
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	225.36	
		<i>For Clear Lacquer Finish, Add</i>	450.71	
		<i>For Baked Enamel Standard Colors, Add</i>	676.07	
		<i>For Anodized Finish, Add</i>	901.42	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,239.45	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	2,744.38	130.66
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	248.31	
		<i>For Clear Lacquer Finish, Add</i>	496.61	
		<i>For Baked Enamel Standard Colors, Add</i>	744.92	
		<i>For Anodized Finish, Add</i>	993.23	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,365.69	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	2,947.56	140.97
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	266.56	
		<i>For Clear Lacquer Finish, Add</i>	533.12	
		<i>For Baked Enamel Standard Colors, Add</i>	799.68	
		<i>For Anodized Finish, Add</i>	1,066.24	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,466.09	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,156.09	151.29
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	285.35	
		<i>For Clear Lacquer Finish, Add</i>	570.70	
		<i>For Baked Enamel Standard Colors, Add</i>	856.06	
		<i>For Anodized Finish, Add</i>	1,141.41	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,569.44	
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,371.34	161.60
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	304.81	
		<i>For Clear Lacquer Finish, Add</i>	609.63	
		<i>For Baked Enamel Standard Colors, Add</i>	914.44	
		<i>For Anodized Finish, Add</i>	1,219.26	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,676.48	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	3,636.08	168.48
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	329.91	
		<i>For Clear Lacquer Finish, Add</i>	659.83	
		<i>For Baked Enamel Standard Colors, Add</i>	989.74	
		<i>For Anodized Finish, Add</i>	1,319.65	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,814.52	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	3,861.91	175.36
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	351.12	
		<i>For Clear Lacquer Finish, Add</i>	702.24	
		<i>For Baked Enamel Standard Colors, Add</i>	1,053.36	
		<i>For Anodized Finish, Add</i>	1,404.48	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,931.16	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	4,149.63	185.66
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	377.83	
		<i>For Clear Lacquer Finish, Add</i>	755.66	
		<i>For Baked Enamel Standard Colors, Add</i>	1,133.49	
		<i>For Anodized Finish, Add</i>	1,511.32	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,078.06	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	4,363.54	195.98
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	397.16	
		<i>For Clear Lacquer Finish, Add</i>	794.31	
		<i>For Baked Enamel Standard Colors, Add</i>	1,191.47	
		<i>For Anodized Finish, Add</i>	1,588.63	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,184.36	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,072.88	65.32
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	94.22	
		<i>For Clear Lacquer Finish, Add</i>	188.44	
		<i>For Baked Enamel Standard Colors, Add</i>	282.67	
		<i>For Anodized Finish, Add</i>	376.89	
		<i>For Kynar® Standard Colors Finish, Add</i>	518.22	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,368.99	82.52
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	120.40	
		<i>For Clear Lacquer Finish, Add</i>	240.79	
		<i>For Baked Enamel Standard Colors, Add</i>	361.19	
		<i>For Anodized Finish, Add</i>	481.58	
		<i>For Kynar® Standard Colors Finish, Add</i>	662.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0079	EA		42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,608.39	92.83
			<i>For Flange Frame, Add</i>	142.27	
			<i>For Clear Lacquer Finish, Add</i>	284.55	
			<i>For Baked Enamel Standard Colors, Add</i>	426.82	
			<i>For Anodized Finish, Add</i>	569.09	
			<i>For Kynar® Standard Colors Finish, Add</i>	782.50	
08 91 16 00-0080	EA		42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,881.52	106.59
			<i>For Flange Frame, Add</i>	166.84	
			<i>For Clear Lacquer Finish, Add</i>	333.67	
			<i>For Baked Enamel Standard Colors, Add</i>	500.51	
			<i>For Anodized Finish, Add</i>	667.34	
			<i>For Kynar® Standard Colors Finish, Add</i>	917.59	
08 91 16 00-0081	EA		42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,135.54	113.46
			<i>For Flange Frame, Add</i>	190.86	
			<i>For Clear Lacquer Finish, Add</i>	381.72	
			<i>For Baked Enamel Standard Colors, Add</i>	572.58	
			<i>For Anodized Finish, Add</i>	763.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,049.74	
08 91 16 00-0082	EA		42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,376.12	120.34
			<i>For Flange Frame, Add</i>	213.54	
			<i>For Clear Lacquer Finish, Add</i>	427.09	
			<i>For Baked Enamel Standard Colors, Add</i>	640.63	
			<i>For Anodized Finish, Add</i>	854.18	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,174.49	
08 91 16 00-0083	EA		42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,693.22	127.22
			<i>For Flange Frame, Add</i>	243.88	
			<i>For Clear Lacquer Finish, Add</i>	487.76	
			<i>For Baked Enamel Standard Colors, Add</i>	731.63	
			<i>For Anodized Finish, Add</i>	975.51	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,341.33	
08 91 16 00-0084	EA		42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,947.39	137.53
			<i>For Flange Frame, Add</i>	267.23	
			<i>For Clear Lacquer Finish, Add</i>	534.46	
			<i>For Baked Enamel Standard Colors, Add</i>	801.70	
			<i>For Anodized Finish, Add</i>	1,068.93	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,469.78	
08 91 16 00-0085	EA		42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,176.05	147.85
			<i>For Flange Frame, Add</i>	288.04	
			<i>For Clear Lacquer Finish, Add</i>	576.07	
			<i>For Baked Enamel Standard Colors, Add</i>	864.11	
			<i>For Anodized Finish, Add</i>	1,152.14	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,584.20	
08 91 16 00-0086	EA		42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,389.96	158.17
			<i>For Flange Frame, Add</i>	307.36	
			<i>For Clear Lacquer Finish, Add</i>	614.73	
			<i>For Baked Enamel Standard Colors, Add</i>	922.09	
			<i>For Anodized Finish, Add</i>	1,229.46	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,690.50	
08 91 16 00-0087	EA		42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,624.00	168.48
			<i>For Flange Frame, Add</i>	328.71	
			<i>For Clear Lacquer Finish, Add</i>	657.41	
			<i>For Baked Enamel Standard Colors, Add</i>	986.12	
			<i>For Anodized Finish, Add</i>	1,314.82	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,807.88	
08 91 16 00-0088	EA		42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,908.88	175.36
			<i>For Flange Frame, Add</i>	355.82	
			<i>For Clear Lacquer Finish, Add</i>	711.63	
			<i>For Baked Enamel Standard Colors, Add</i>	1,067.45	
			<i>For Anodized Finish, Add</i>	1,423.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,956.99	
08 91 16 00-0089	EA		42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,156.18	182.23
			<i>For Flange Frame, Add</i>	379.17	
			<i>For Clear Lacquer Finish, Add</i>	758.34	
			<i>For Baked Enamel Standard Colors, Add</i>	1,137.52	
			<i>For Anodized Finish, Add</i>	1,516.69	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,085.45	
08 91 16 00-0090	EA		42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,478.80	192.54
			<i>For Flange Frame, Add</i>	409.37	
			<i>For Clear Lacquer Finish, Add</i>	818.74	
			<i>For Baked Enamel Standard Colors, Add</i>	1,228.11	
			<i>For Anodized Finish, Add</i>	1,637.48	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,251.54	
08 91 16 00-0091	EA		42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,702.11	202.86
			<i>For Flange Frame, Add</i>	429.64	
			<i>For Clear Lacquer Finish, Add</i>	859.28	
			<i>For Baked Enamel Standard Colors, Add</i>	1,288.91	
			<i>For Anodized Finish, Add</i>	1,718.55	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,363.01	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,160.46	72.20
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	101.61	
		<i>For Clear Lacquer Finish, Add</i>	203.21	
		<i>For Baked Enamel Standard Colors, Add</i>	304.82	
		<i>For Anodized Finish, Add</i>	406.42	
		<i>For Kynar® Standard Colors Finish, Add</i>	558.83	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,475.36	89.39
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	129.66	
		<i>For Clear Lacquer Finish, Add</i>	259.31	
		<i>For Baked Enamel Standard Colors, Add</i>	388.97	
		<i>For Anodized Finish, Add</i>	518.63	
		<i>For Kynar® Standard Colors Finish, Add</i>	713.11	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	1,747.15	103.15
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	154.09	
		<i>For Clear Lacquer Finish, Add</i>	308.17	
		<i>For Baked Enamel Standard Colors, Add</i>	462.26	
		<i>For Anodized Finish, Add</i>	616.34	
		<i>For Kynar® Standard Colors Finish, Add</i>	847.47	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,028.16	113.46
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	180.12	
		<i>For Clear Lacquer Finish, Add</i>	360.25	
		<i>For Baked Enamel Standard Colors, Add</i>	540.37	
		<i>For Anodized Finish, Add</i>	720.49	
		<i>For Kynar® Standard Colors Finish, Add</i>	990.68	
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,309.01	120.34
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	206.83	
		<i>For Clear Lacquer Finish, Add</i>	413.67	
		<i>For Baked Enamel Standard Colors, Add</i>	620.50	
		<i>For Anodized Finish, Add</i>	827.33	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,137.58	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	2,580.47	127.22
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	232.60	
		<i>For Clear Lacquer Finish, Add</i>	465.21	
		<i>For Baked Enamel Standard Colors, Add</i>	697.81	
		<i>For Anodized Finish, Add</i>	930.41	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,279.32	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	2,917.86	137.53
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	264.28	
		<i>For Clear Lacquer Finish, Add</i>	528.56	
		<i>For Baked Enamel Standard Colors, Add</i>	792.84	
		<i>For Anodized Finish, Add</i>	1,057.12	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,453.53	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,196.18	147.85
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	290.05	
		<i>For Clear Lacquer Finish, Add</i>	580.10	
		<i>For Baked Enamel Standard Colors, Add</i>	870.15	
		<i>For Anodized Finish, Add</i>	1,160.20	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,595.27	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	3,436.94	158.17
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	312.06	
		<i>For Clear Lacquer Finish, Add</i>	624.12	
		<i>For Baked Enamel Standard Colors, Add</i>	936.19	
		<i>For Anodized Finish, Add</i>	1,248.25	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,716.34	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	3,681.71	168.48
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	334.48	
		<i>For Clear Lacquer Finish, Add</i>	668.95	
		<i>For Baked Enamel Standard Colors, Add</i>	1,003.43	
		<i>For Anodized Finish, Add</i>	1,337.90	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,839.62	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	3,921.13	178.79
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	356.35	
		<i>For Clear Lacquer Finish, Add</i>	712.71	
		<i>For Baked Enamel Standard Colors, Add</i>	1,069.06	
		<i>For Anodized Finish, Add</i>	1,425.42	
		<i>For Kynar® Standard Colors Finish, Add</i>	1,959.95	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,243.59	185.66
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	387.23	
		<i>For Clear Lacquer Finish, Add</i>	774.45	
		<i>For Baked Enamel Standard Colors, Add</i>	1,161.68	
		<i>For Anodized Finish, Add</i>	1,548.90	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,129.74	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	4,511.01	192.54
		Note: Includes bird screen. Excludes actuator.		
		<i>For Flange Frame, Add</i>	412.59	
		<i>For Clear Lacquer Finish, Add</i>	825.18	
		<i>For Baked Enamel Standard Colors, Add</i>	1,237.78	
		<i>For Anodized Finish, Add</i>	1,650.37	
		<i>For Kynar® Standard Colors Finish, Add</i>	2,269.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0105	EA		48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,841.53	199.42
			<i>For Flange Frame, Add</i>	444.27	
			<i>For Clear Lacquer Finish, Add</i>	888.54	
			<i>For Baked Enamel Standard Colors, Add</i>	1,332.80	
			<i>For Anodized Finish, Add</i>	1,777.07	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,443.47	
08 91 16 00-0106	EA		48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	5,087.64	209.74
			<i>For Flange Frame, Add</i>	466.82	
			<i>For Clear Lacquer Finish, Add</i>	933.63	
			<i>For Baked Enamel Standard Colors, Add</i>	1,400.45	
			<i>For Anodized Finish, Add</i>	1,867.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,567.49	
08 91 16 00-0107	EA		54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,347.52	82.52
			<i>For Flange Frame, Add</i>	118.25	
			<i>For Clear Lacquer Finish, Add</i>	236.50	
			<i>For Baked Enamel Standard Colors, Add</i>	354.74	
			<i>For Anodized Finish, Add</i>	472.99	
			<i>For Kynar® Standard Colors Finish, Add</i>	650.36	
08 91 16 00-0108	EA		54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,729.53	99.71
			<i>For Flange Frame, Add</i>	153.01	
			<i>For Clear Lacquer Finish, Add</i>	306.02	
			<i>For Baked Enamel Standard Colors, Add</i>	459.03	
			<i>For Anodized Finish, Add</i>	612.04	
			<i>For Kynar® Standard Colors Finish, Add</i>	841.56	
08 91 16 00-0109	EA		54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,026.99	116.90
			<i>For Flange Frame, Add</i>	179.32	
			<i>For Clear Lacquer Finish, Add</i>	358.64	
			<i>For Baked Enamel Standard Colors, Add</i>	537.95	
			<i>For Anodized Finish, Add</i>	717.27	
			<i>For Kynar® Standard Colors Finish, Add</i>	986.25	
08 91 16 00-0110	EA		54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,332.00	123.78
			<i>For Flange Frame, Add</i>	208.44	
			<i>For Clear Lacquer Finish, Add</i>	416.89	
			<i>For Baked Enamel Standard Colors, Add</i>	625.33	
			<i>For Anodized Finish, Add</i>	833.78	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,146.44	
08 91 16 00-0111	EA		54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,663.85	130.66
			<i>For Flange Frame, Add</i>	240.25	
			<i>For Clear Lacquer Finish, Add</i>	480.51	
			<i>For Baked Enamel Standard Colors, Add</i>	720.76	
			<i>For Anodized Finish, Add</i>	961.02	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,321.40	
08 91 16 00-0112	EA		54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,960.81	137.53
			<i>For Flange Frame, Add</i>	268.57	
			<i>For Clear Lacquer Finish, Add</i>	537.15	
			<i>For Baked Enamel Standard Colors, Add</i>	805.72	
			<i>For Anodized Finish, Add</i>	1,074.30	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,477.16	
08 91 16 00-0113	EA		54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,353.22	147.85
			<i>For Flange Frame, Add</i>	305.75	
			<i>For Clear Lacquer Finish, Add</i>	611.51	
			<i>For Baked Enamel Standard Colors, Add</i>	917.26	
			<i>For Anodized Finish, Add</i>	1,223.01	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,681.64	
08 91 16 00-0114	EA		54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,734.90	158.17
			<i>For Flange Frame, Add</i>	341.86	
			<i>For Clear Lacquer Finish, Add</i>	683.72	
			<i>For Baked Enamel Standard Colors, Add</i>	1,025.57	
			<i>For Anodized Finish, Add</i>	1,367.43	
			<i>For Kynar® Standard Colors Finish, Add</i>	1,880.22	
08 91 16 00-0115	EA		54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,019.95	168.48
			<i>For Flange Frame, Add</i>	368.30	
			<i>For Clear Lacquer Finish, Add</i>	736.60	
			<i>For Baked Enamel Standard Colors, Add</i>	1,104.90	
			<i>For Anodized Finish, Add</i>	1,473.20	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,025.65	
08 91 16 00-0116	EA		54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,300.97	178.79
			<i>For Flange Frame, Add</i>	394.34	
			<i>For Clear Lacquer Finish, Add</i>	788.68	
			<i>For Baked Enamel Standard Colors, Add</i>	1,183.01	
			<i>For Anodized Finish, Add</i>	1,577.35	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,168.86	
08 91 16 00-0117	EA		54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,572.43	185.66
			<i>For Flange Frame, Add</i>	420.11	
			<i>For Clear Lacquer Finish, Add</i>	840.22	
			<i>For Baked Enamel Standard Colors, Add</i>	1,260.33	
			<i>For Anodized Finish, Add</i>	1,680.44	
			<i>For Kynar® Standard Colors Finish, Add</i>	2,310.60	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	4,932.46	192.54
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	454.74	
		For Clear Lacquer Finish, Add	909.47	
		For Baked Enamel Standard Colors, Add	1,364.21	
		For Anodized Finish, Add	1,818.95	
		For Kynar® Standard Colors Finish, Add	2,501.05	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	5,232.11	199.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	483.33	
		For Clear Lacquer Finish, Add	966.65	
		For Baked Enamel Standard Colors, Add	1,449.98	
		For Anodized Finish, Add	1,933.30	
		For Kynar® Standard Colors Finish, Add	2,658.29	
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,618.98	206.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	520.64	
		For Clear Lacquer Finish, Add	1,041.28	
		For Baked Enamel Standard Colors, Add	1,561.92	
		For Anodized Finish, Add	2,082.56	
		For Kynar® Standard Colors Finish, Add	2,863.51	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	5,906.71	216.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	547.35	
		For Clear Lacquer Finish, Add	1,094.70	
		For Baked Enamel Standard Colors, Add	1,642.05	
		For Anodized Finish, Add	2,189.40	
		For Kynar® Standard Colors Finish, Add	3,010.42	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum.....	1,429.72	89.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	125.09	
		For Clear Lacquer Finish, Add	250.19	
		For Baked Enamel Standard Colors, Add	375.28	
		For Anodized Finish, Add	500.37	
		For Kynar® Standard Colors Finish, Add	688.01	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum.....	1,842.77	110.03
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	162.27	
		For Clear Lacquer Finish, Add	324.54	
		For Baked Enamel Standard Colors, Add	486.82	
		For Anodized Finish, Add	649.09	
		For Kynar® Standard Colors Finish, Add	892.50	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum.....	2,148.12	123.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	190.06	
		For Clear Lacquer Finish, Add	380.11	
		For Baked Enamel Standard Colors, Add	570.17	
		For Anodized Finish, Add	760.22	
		For Kynar® Standard Colors Finish, Add	1,045.31	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum.....	2,483.99	130.66
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	222.27	
		For Clear Lacquer Finish, Add	444.54	
		For Baked Enamel Standard Colors, Add	666.80	
		For Anodized Finish, Add	889.07	
		For Kynar® Standard Colors Finish, Add	1,222.47	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum.....	2,834.81	140.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	255.29	
		For Clear Lacquer Finish, Add	510.57	
		For Baked Enamel Standard Colors, Add	765.86	
		For Anodized Finish, Add	1,021.14	
		For Kynar® Standard Colors Finish, Add	1,404.07	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum.....	3,149.21	147.85
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	285.35	
		For Clear Lacquer Finish, Add	570.70	
		For Baked Enamel Standard Colors, Add	856.06	
		For Anodized Finish, Add	1,141.41	
		For Kynar® Standard Colors Finish, Add	1,569.44	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum.....	3,569.81	158.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	325.35	
		For Clear Lacquer Finish, Add	650.70	
		For Baked Enamel Standard Colors, Add	976.05	
		For Anodized Finish, Add	1,301.40	
		For Kynar® Standard Colors Finish, Add	1,789.42	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum.....	3,962.23	168.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	362.53	
		For Clear Lacquer Finish, Add	725.06	
		For Baked Enamel Standard Colors, Add	1,087.58	
		For Anodized Finish, Add	1,450.11	
		For Kynar® Standard Colors Finish, Add	1,993.90	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum.....	4,267.42	178.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	390.98	
		For Clear Lacquer Finish, Add	781.97	
		For Baked Enamel Standard Colors, Add	1,172.95	
		For Anodized Finish, Add	1,563.93	
		For Kynar® Standard Colors Finish, Add	2,150.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum.....	4,567.23	189.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	418.90	
		For Clear Lacquer Finish, Add	837.80	
		For Baked Enamel Standard Colors, Add	1,256.70	
		For Anodized Finish, Add	1,675.60	
		For Kynar® Standard Colors Finish, Add	2,303.96	
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum.....	4,856.13	195.98
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	446.42	
		For Clear Lacquer Finish, Add	892.83	
		For Baked Enamel Standard Colors, Add	1,339.25	
		For Anodized Finish, Add	1,785.66	
		For Kynar® Standard Colors Finish, Add	2,455.29	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum.....	5,247.05	202.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	484.13	
		For Clear Lacquer Finish, Add	968.26	
		For Baked Enamel Standard Colors, Add	1,452.40	
		For Anodized Finish, Add	1,936.53	
		For Kynar® Standard Colors Finish, Add	2,662.73	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum.....	5,561.44	209.74
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	514.20	
		For Clear Lacquer Finish, Add	1,028.39	
		For Baked Enamel Standard Colors, Add	1,542.59	
		For Anodized Finish, Add	2,056.79	
		For Kynar® Standard Colors Finish, Add	2,828.08	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum.....	5,968.45	216.61
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	553.52	
		For Clear Lacquer Finish, Add	1,107.05	
		For Baked Enamel Standard Colors, Add	1,660.57	
		For Anodized Finish, Add	2,214.09	
		For Kynar® Standard Colors Finish, Add	3,044.38	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum.....	6,266.76	223.49
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	581.98	
		For Clear Lacquer Finish, Add	1,163.96	
		For Baked Enamel Standard Colors, Add	1,745.93	
		For Anodized Finish, Add	2,327.91	
		For Kynar® Standard Colors Finish, Add	3,200.88	

**08 91 16 00-0137 Adjustable Intake Wall Louvers Operators (08 91 16)**

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver.....	358.68	34.39
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver.....	803.30	13.75

**08 91 19 Fixed Louvers (08 91)**

**08 91 19 00-0001 Fixed Intake Wall Louvers (08 91 19)**

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	467.22	30.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	40.53	
		For Clear Lacquer Finish, Add	81.07	
		For Baked Enamel Standard Colors, Add	121.60	
		For Anodized Finish, Add	162.14	
		For Kynar® Standard Colors Finish, Add	222.94	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	554.81	37.82
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	47.92	
		For Clear Lacquer Finish, Add	95.83	
		For Baked Enamel Standard Colors, Add	143.75	
		For Anodized Finish, Add	191.67	
		For Kynar® Standard Colors Finish, Add	263.54	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	643.72	44.70
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	55.43	
		For Clear Lacquer Finish, Add	110.87	
		For Baked Enamel Standard Colors, Add	166.30	
		For Anodized Finish, Add	221.73	
		For Kynar® Standard Colors Finish, Add	304.88	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	755.46	51.58
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	65.23	
		For Clear Lacquer Finish, Add	130.46	
		For Baked Enamel Standard Colors, Add	195.69	
		For Anodized Finish, Add	260.92	
		For Kynar® Standard Colors Finish, Add	358.77	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	849.74	58.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	73.28	
		For Clear Lacquer Finish, Add	146.57	
		For Baked Enamel Standard Colors, Add	219.85	
		For Anodized Finish, Add	293.14	
		For Kynar® Standard Colors Finish, Add	403.06	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91	19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,003.09  87.24 174.49 261.73 348.97 479.84	65.32
08 91	19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,086.63  94.22 188.44 282.67 376.89 518.22	72.20
08 91	19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,214.64  104.96 209.92 314.88 419.84 577.28	82.52
08 91	19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,291.47  111.27 222.54 333.80 445.07 611.97	89.39
08 91	19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,396.49  120.40 240.79 361.19 481.58 662.17	96.27
08 91	19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,488.10  128.18 256.36 384.54 512.72 704.99	103.15
08 91	19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,597.15  137.71 275.42 413.13 550.84 757.41	110.03
08 91	19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,699.49  146.57 293.14 439.70 586.27 806.12	116.90
08 91	19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,789.92  153.55 307.10 460.64 614.19 844.51	127.22
08 91	19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	1,911.21  163.61 327.23 490.84 654.46 899.88	137.53
08 91	19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	542.73  46.71 93.42 140.13 186.84 256.90	37.82
08 91	19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	650.60  55.43 110.87 166.30 221.73 304.88	48.14
08 91	19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum ..... Note: Includes bird screen. Excludes actuator. <i>For Flange Frame, Add</i> <i>For Clear Lacquer Finish, Add</i> <i>For Baked Enamel Standard Colors, Add</i> <i>For Anodized Finish, Add</i> <i>For Kynar® Standard Colors Finish, Add</i>	754.29  64.43 128.85 193.28 257.70 354.34	55.02

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0020	EA		18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	945.53	68.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	80.80	
			For Clear Lacquer Finish, Add	161.60	
			For Baked Enamel Standard Colors, Add	242.40	
			For Anodized Finish, Add	323.20	
			For Kynar® Standard Colors Finish, Add	444.40	
08 91 19 00-0021	EA		18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,085.46	75.64
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	93.42	
			For Clear Lacquer Finish, Add	186.83	
			For Baked Enamel Standard Colors, Add	280.25	
			For Anodized Finish, Add	373.67	
			For Kynar® Standard Colors Finish, Add	513.79	
08 91 19 00-0022	EA		18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,209.27	82.52
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	104.42	
			For Clear Lacquer Finish, Add	208.85	
			For Baked Enamel Standard Colors, Add	313.27	
			For Anodized Finish, Add	417.69	
			For Kynar® Standard Colors Finish, Add	574.33	
08 91 19 00-0023	EA		18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,296.84	89.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	111.81	
			For Clear Lacquer Finish, Add	223.61	
			For Baked Enamel Standard Colors, Add	335.42	
			For Anodized Finish, Add	447.22	
			For Kynar® Standard Colors Finish, Add	614.93	
08 91 19 00-0024	EA		18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,443.64	99.71
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	124.42	
			For Clear Lacquer Finish, Add	248.84	
			For Baked Enamel Standard Colors, Add	373.27	
			For Anodized Finish, Add	497.69	
			For Kynar® Standard Colors Finish, Add	684.32	
08 91 19 00-0025	EA		18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	1,546.14	110.03
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	132.61	
			For Clear Lacquer Finish, Add	265.22	
			For Baked Enamel Standard Colors, Add	397.83	
			For Anodized Finish, Add	530.44	
			For Kynar® Standard Colors Finish, Add	729.35	
08 91 19 00-0026	EA		18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	1,680.70	116.90
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	144.69	
			For Clear Lacquer Finish, Add	289.38	
			For Baked Enamel Standard Colors, Add	434.07	
			For Anodized Finish, Add	578.76	
			For Kynar® Standard Colors Finish, Add	795.79	
08 91 19 00-0027	EA		18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	1,783.04	123.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	153.55	
			For Clear Lacquer Finish, Add	307.10	
			For Baked Enamel Standard Colors, Add	460.64	
			For Anodized Finish, Add	614.19	
			For Kynar® Standard Colors Finish, Add	844.51	
08 91 19 00-0028	EA		18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	1,897.45	130.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.61	
			For Clear Lacquer Finish, Add	327.23	
			For Baked Enamel Standard Colors, Add	490.84	
			For Anodized Finish, Add	654.46	
			For Kynar® Standard Colors Finish, Add	899.88	
08 91 19 00-0029	EA		18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,017.25	137.53
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	174.22	
			For Clear Lacquer Finish, Add	348.44	
			For Baked Enamel Standard Colors, Add	522.65	
			For Anodized Finish, Add	696.87	
			For Kynar® Standard Colors Finish, Add	958.20	
08 91 19 00-0030	EA		18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	2,122.42	147.85
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	182.67	
			For Clear Lacquer Finish, Add	365.35	
			For Baked Enamel Standard Colors, Add	548.02	
			For Anodized Finish, Add	730.69	
			For Kynar® Standard Colors Finish, Add	1,004.70	
08 91 19 00-0031	EA		18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,269.22	158.17
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	195.29	
			For Clear Lacquer Finish, Add	390.58	
			For Baked Enamel Standard Colors, Add	585.87	
			For Anodized Finish, Add	781.16	
			For Kynar® Standard Colors Finish, Add	1,074.10	
08 91 19 00-0032	EA		24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	627.61	44.70
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	53.82	
			For Clear Lacquer Finish, Add	107.64	
			For Baked Enamel Standard Colors, Add	161.47	
			For Anodized Finish, Add	215.29	
			For Kynar® Standard Colors Finish, Add	296.02	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	747.57	55.02
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	63.75	
		For Clear Lacquer Finish, Add	127.51	
		For Baked Enamel Standard Colors, Add	191.26	
		For Anodized Finish, Add	255.02	
		For Kynar® Standard Colors Finish, Add	350.65	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	926.58	65.32
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	79.59	
		For Clear Lacquer Finish, Add	159.18	
		For Baked Enamel Standard Colors, Add	238.78	
		For Anodized Finish, Add	318.37	
		For Kynar® Standard Colors Finish, Add	437.76	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,092.34	79.08
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	93.42	
		For Clear Lacquer Finish, Add	186.83	
		For Baked Enamel Standard Colors, Add	280.25	
		For Anodized Finish, Add	373.67	
		For Kynar® Standard Colors Finish, Add	513.79	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,251.05	85.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	107.91	
		For Clear Lacquer Finish, Add	215.83	
		For Baked Enamel Standard Colors, Add	323.74	
		For Anodized Finish, Add	431.65	
		For Kynar® Standard Colors Finish, Add	593.52	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,397.67	92.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	121.20	
		For Clear Lacquer Finish, Add	242.40	
		For Baked Enamel Standard Colors, Add	363.60	
		For Anodized Finish, Add	484.80	
		For Kynar® Standard Colors Finish, Add	666.61	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,518.97	103.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	131.27	
		For Clear Lacquer Finish, Add	262.53	
		For Baked Enamel Standard Colors, Add	393.80	
		For Anodized Finish, Add	525.07	
		For Kynar® Standard Colors Finish, Add	721.97	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,680.70	116.90
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	144.69	
		For Clear Lacquer Finish, Add	289.38	
		For Baked Enamel Standard Colors, Add	434.07	
		For Anodized Finish, Add	578.76	
		For Kynar® Standard Colors Finish, Add	795.79	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,788.41	123.78
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	154.09	
		For Clear Lacquer Finish, Add	308.17	
		For Baked Enamel Standard Colors, Add	462.26	
		For Anodized Finish, Add	616.34	
		For Kynar® Standard Colors Finish, Add	847.47	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,964.90	137.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	168.98	
		For Clear Lacquer Finish, Add	337.97	
		For Baked Enamel Standard Colors, Add	506.95	
		For Anodized Finish, Add	675.93	
		For Kynar® Standard Colors Finish, Add	929.41	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,076.63	144.41
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	178.78	
		For Clear Lacquer Finish, Add	357.56	
		For Baked Enamel Standard Colors, Add	536.34	
		For Anodized Finish, Add	715.12	
		For Kynar® Standard Colors Finish, Add	983.30	
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,221.92	151.29
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	191.94	
		For Clear Lacquer Finish, Add	383.87	
		For Baked Enamel Standard Colors, Add	575.81	
		For Anodized Finish, Add	767.74	
		For Kynar® Standard Colors Finish, Add	1,055.64	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,364.52	158.17
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	204.82	
		For Clear Lacquer Finish, Add	409.64	
		For Baked Enamel Standard Colors, Add	614.46	
		For Anodized Finish, Add	819.28	
		For Kynar® Standard Colors Finish, Add	1,126.51	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,472.39	168.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	213.54	
		For Clear Lacquer Finish, Add	427.09	
		For Baked Enamel Standard Colors, Add	640.63	
		For Anodized Finish, Add	854.18	
		For Kynar® Standard Colors Finish, Add	1,174.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0046	EA		24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	2,651.41	178.79
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	229.38	
			For Clear Lacquer Finish, Add	458.76	
			For Baked Enamel Standard Colors, Add	688.15	
			For Anodized Finish, Add	917.53	
			For Kynar® Standard Colors Finish, Add	1,261.60	
08 91 19 00-0047	EA		30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	703.11	51.58
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	60.00	
			For Clear Lacquer Finish, Add	119.99	
			For Baked Enamel Standard Colors, Add	179.99	
			For Anodized Finish, Add	239.98	
			For Kynar® Standard Colors Finish, Add	329.98	
08 91 19 00-0048	EA		30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	909.29	68.76
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	77.18	
			For Clear Lacquer Finish, Add	154.35	
			For Baked Enamel Standard Colors, Add	231.53	
			For Anodized Finish, Add	308.70	
			For Kynar® Standard Colors Finish, Add	424.47	
08 91 19 00-0049	EA		30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,061.47	79.08
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	90.33	
			For Clear Lacquer Finish, Add	180.66	
			For Baked Enamel Standard Colors, Add	270.99	
			For Anodized Finish, Add	361.32	
			For Kynar® Standard Colors Finish, Add	496.82	
08 91 19 00-0050	EA		30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,239.13	89.39
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	106.03	
			For Clear Lacquer Finish, Add	212.07	
			For Baked Enamel Standard Colors, Add	318.10	
			For Anodized Finish, Add	424.14	
			For Kynar® Standard Colors Finish, Add	583.19	
08 91 19 00-0051	EA		30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,430.05	96.27
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	123.75	
			For Clear Lacquer Finish, Add	247.50	
			For Baked Enamel Standard Colors, Add	371.25	
			For Anodized Finish, Add	495.00	
			For Kynar® Standard Colors Finish, Add	680.63	
08 91 19 00-0052	EA		30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,590.27	106.59
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	137.71	
			For Clear Lacquer Finish, Add	275.42	
			For Baked Enamel Standard Colors, Add	413.13	
			For Anodized Finish, Add	550.84	
			For Kynar® Standard Colors Finish, Add	757.41	
08 91 19 00-0053	EA		30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	1,710.06	113.46
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	148.31	
			For Clear Lacquer Finish, Add	296.63	
			For Baked Enamel Standard Colors, Add	444.94	
			For Anodized Finish, Add	593.25	
			For Kynar® Standard Colors Finish, Add	815.72	
08 91 19 00-0054	EA		30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	1,878.33	123.78
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	163.08	
			For Clear Lacquer Finish, Add	326.15	
			For Baked Enamel Standard Colors, Add	489.23	
			For Anodized Finish, Add	652.31	
			For Kynar® Standard Colors Finish, Add	896.92	
08 91 19 00-0055	EA		30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,012.88	130.66
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	175.16	
			For Clear Lacquer Finish, Add	350.31	
			For Baked Enamel Standard Colors, Add	525.47	
			For Anodized Finish, Add	700.63	
			For Kynar® Standard Colors Finish, Add	963.36	
08 91 19 00-0056	EA		30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,217.56	144.41
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	192.87	
			For Clear Lacquer Finish, Add	385.75	
			For Baked Enamel Standard Colors, Add	578.62	
			For Anodized Finish, Add	771.50	
			For Kynar® Standard Colors Finish, Add	1,060.81	
08 91 19 00-0057	EA		30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,348.24	154.73
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	203.88	
			For Clear Lacquer Finish, Add	407.76	
			For Baked Enamel Standard Colors, Add	611.64	
			For Anodized Finish, Add	815.52	
			For Kynar® Standard Colors Finish, Add	1,121.34	
08 91 19 00-0058	EA		30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,502.93	161.60
			Note: Includes bird screen. Excludes actuator.		
			For Flange Frame, Add	217.97	
			For Clear Lacquer Finish, Add	435.95	
			For Baked Enamel Standard Colors, Add	653.92	
			For Anodized Finish, Add	871.89	
			For Kynar® Standard Colors Finish, Add	1,198.85	



## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,656.27	168.48
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	231.93	
		For Clear Lacquer Finish, Add	463.86	
		For Baked Enamel Standard Colors, Add	695.80	
		For Anodized Finish, Add	927.73	
		For Kynar® Standard Colors Finish, Add	1,275.63	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,784.29	178.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	242.67	
		For Clear Lacquer Finish, Add	485.34	
		For Baked Enamel Standard Colors, Add	728.01	
		For Anodized Finish, Add	970.68	
		For Kynar® Standard Colors Finish, Add	1,334.69	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,987.46	189.10
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	260.92	
		For Clear Lacquer Finish, Add	521.85	
		For Baked Enamel Standard Colors, Add	782.77	
		For Anodized Finish, Add	1,043.70	
		For Kynar® Standard Colors Finish, Add	1,435.08	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	779.95	58.45
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	66.31	
		For Clear Lacquer Finish, Add	132.61	
		For Baked Enamel Standard Colors, Add	198.92	
		For Anodized Finish, Add	265.22	
		For Kynar® Standard Colors Finish, Add	364.68	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,023.72	75.64
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	87.24	
		For Clear Lacquer Finish, Add	174.49	
		For Baked Enamel Standard Colors, Add	261.73	
		For Anodized Finish, Add	348.97	
		For Kynar® Standard Colors Finish, Add	479.84	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,183.94	85.96
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	101.20	
		For Clear Lacquer Finish, Add	202.40	
		For Baked Enamel Standard Colors, Add	303.61	
		For Anodized Finish, Add	404.81	
		For Kynar® Standard Colors Finish, Add	556.61	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,375.02	96.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	118.25	
		For Clear Lacquer Finish, Add	236.50	
		For Baked Enamel Standard Colors, Add	354.74	
		For Anodized Finish, Add	472.99	
		For Kynar® Standard Colors Finish, Add	650.36	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,590.17	104.52
		Note: Includes bird screen.		
		For Flange Frame, Add	138.11	
		For Clear Lacquer Finish, Add	276.22	
		For Baked Enamel Standard Colors, Add	414.34	
		For Anodized Finish, Add	552.45	
		For Kynar® Standard Colors Finish, Add	759.62	
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,757.04	113.46
		Note: Includes bird screen.		
		For Flange Frame, Add	153.01	
		For Clear Lacquer Finish, Add	306.02	
		For Baked Enamel Standard Colors, Add	459.03	
		For Anodized Finish, Add	612.04	
		For Kynar® Standard Colors Finish, Add	841.56	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,900.98	120.34
		Note: Includes bird screen.		
		For Flange Frame, Add	166.03	
		For Clear Lacquer Finish, Add	332.06	
		For Baked Enamel Standard Colors, Add	498.09	
		For Anodized Finish, Add	664.12	
		For Kynar® Standard Colors Finish, Add	913.17	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,093.41	130.66
		Note: Includes bird screen.		
		For Flange Frame, Add	183.21	
		For Clear Lacquer Finish, Add	366.42	
		For Baked Enamel Standard Colors, Add	549.63	
		For Anodized Finish, Add	732.84	
		For Kynar® Standard Colors Finish, Add	1,007.66	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,238.88	140.97
		Note: Includes bird screen.		
		For Flange Frame, Add	195.69	
		For Clear Lacquer Finish, Add	391.39	
		For Baked Enamel Standard Colors, Add	587.08	
		For Anodized Finish, Add	782.77	
		For Kynar® Standard Colors Finish, Add	1,076.31	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,470.22	151.29
		Note: Includes bird screen.		
		For Flange Frame, Add	216.77	
		For Clear Lacquer Finish, Add	433.53	
		For Baked Enamel Standard Colors, Add	650.30	
		For Anodized Finish, Add	867.06	
		For Kynar® Standard Colors Finish, Add	1,192.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0072	EA		36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	2,622.39	161.60
			Note: Includes bird screen.		
			For Flange Frame, Add	229.92	
			For Clear Lacquer Finish, Add	459.84	
			For Baked Enamel Standard Colors, Add	689.76	
			For Anodized Finish, Add	919.68	
			For Kynar® Standard Colors Finish, Add	1,264.55	
08 91 19 00-0073	EA		36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	2,787.81	168.48
			Note: Includes bird screen.		
			For Flange Frame, Add	245.09	
			For Clear Lacquer Finish, Add	490.17	
			For Baked Enamel Standard Colors, Add	735.26	
			For Anodized Finish, Add	980.34	
			For Kynar® Standard Colors Finish, Add	1,347.97	
08 91 19 00-0074	EA		36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	2,959.95	175.36
			Note: Includes bird screen.		
			For Flange Frame, Add	260.92	
			For Clear Lacquer Finish, Add	521.85	
			For Baked Enamel Standard Colors, Add	782.77	
			For Anodized Finish, Add	1,043.70	
			For Kynar® Standard Colors Finish, Add	1,435.08	
08 91 19 00-0075	EA		36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,106.74	185.66
			Note: Includes bird screen.		
			For Flange Frame, Add	273.54	
			For Clear Lacquer Finish, Add	547.08	
			For Baked Enamel Standard Colors, Add	820.62	
			For Anodized Finish, Add	1,094.16	
			For Kynar® Standard Colors Finish, Add	1,504.47	
08 91 19 00-0076	EA		36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	3,336.76	195.98
			Note: Includes bird screen.		
			For Flange Frame, Add	294.48	
			For Clear Lacquer Finish, Add	588.96	
			For Baked Enamel Standard Colors, Add	883.44	
			For Anodized Finish, Add	1,177.92	
			For Kynar® Standard Colors Finish, Add	1,619.63	
08 91 19 00-0077	EA		42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	907.79	65.32
			Note: Includes bird screen.		
			For Flange Frame, Add	77.71	
			For Clear Lacquer Finish, Add	155.43	
			For Baked Enamel Standard Colors, Add	233.14	
			For Anodized Finish, Add	310.85	
			For Kynar® Standard Colors Finish, Add	427.42	
08 91 19 00-0078	EA		42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,112.63	82.52
			Note: Includes bird screen.		
			For Flange Frame, Add	94.76	
			For Clear Lacquer Finish, Add	189.52	
			For Baked Enamel Standard Colors, Add	284.28	
			For Anodized Finish, Add	379.04	
			For Kynar® Standard Colors Finish, Add	521.17	
08 91 19 00-0079	EA		42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,290.29	92.83
			Note: Includes bird screen.		
			For Flange Frame, Add	110.46	
			For Clear Lacquer Finish, Add	220.93	
			For Baked Enamel Standard Colors, Add	331.39	
			For Anodized Finish, Add	441.85	
			For Kynar® Standard Colors Finish, Add	607.55	
08 91 19 00-0080	EA		42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,509.74	106.59
			Note: Includes bird screen.		
			For Flange Frame, Add	129.66	
			For Clear Lacquer Finish, Add	259.31	
			For Baked Enamel Standard Colors, Add	388.97	
			For Anodized Finish, Add	518.63	
			For Kynar® Standard Colors Finish, Add	713.11	
08 91 19 00-0081	EA		42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	1,743.62	113.46
			Note: Includes bird screen.		
			For Flange Frame, Add	151.67	
			For Clear Lacquer Finish, Add	303.34	
			For Baked Enamel Standard Colors, Add	455.01	
			For Anodized Finish, Add	606.68	
			For Kynar® Standard Colors Finish, Add	834.18	
08 91 19 00-0082	EA		42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	1,930.51	120.34
			Note: Includes bird screen.		
			For Flange Frame, Add	168.98	
			For Clear Lacquer Finish, Add	337.97	
			For Baked Enamel Standard Colors, Add	506.95	
			For Anodized Finish, Add	675.93	
			For Kynar® Standard Colors Finish, Add	929.41	
08 91 19 00-0083	EA		42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,091.91	127.22
			Note: Includes bird screen.		
			For Flange Frame, Add	183.75	
			For Clear Lacquer Finish, Add	367.49	
			For Baked Enamel Standard Colors, Add	551.24	
			For Anodized Finish, Add	734.99	
			For Kynar® Standard Colors Finish, Add	1,010.61	
08 91 19 00-0084	EA		42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,284.34	137.53
			Note: Includes bird screen.		
			For Flange Frame, Add	200.93	
			For Clear Lacquer Finish, Add	401.85	
			For Baked Enamel Standard Colors, Add	602.78	
			For Anodized Finish, Add	803.71	
			For Kynar® Standard Colors Finish, Add	1,105.10	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,448.58	147.85
		Note: Includes bird screen.		
		For Flange Frame, Add	215.29	
		For Clear Lacquer Finish, Add	430.58	
		For Baked Enamel Standard Colors, Add	645.87	
		For Anodized Finish, Add	861.16	
		For Kynar® Standard Colors Finish, Add	1,184.09	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,705.44	158.17
		Note: Includes bird screen.		
		For Flange Frame, Add	238.91	
		For Clear Lacquer Finish, Add	477.82	
		For Baked Enamel Standard Colors, Add	716.74	
		For Anodized Finish, Add	955.65	
		For Kynar® Standard Colors Finish, Add	1,314.02	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,869.68	168.48
		Note: Includes bird screen.		
		For Flange Frame, Add	253.27	
		For Clear Lacquer Finish, Add	506.55	
		For Baked Enamel Standard Colors, Add	759.82	
		For Anodized Finish, Add	1,013.09	
		For Kynar® Standard Colors Finish, Add	1,393.00	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,056.59	175.36
		Note: Includes bird screen.		
		For Flange Frame, Add	270.59	
		For Clear Lacquer Finish, Add	541.18	
		For Baked Enamel Standard Colors, Add	811.76	
		For Anodized Finish, Add	1,082.35	
		For Kynar® Standard Colors Finish, Add	1,488.23	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,244.82	182.23
		Note: Includes bird screen.		
		For Flange Frame, Add	288.04	
		For Clear Lacquer Finish, Add	576.07	
		For Baked Enamel Standard Colors, Add	864.11	
		For Anodized Finish, Add	1,152.14	
		For Kynar® Standard Colors Finish, Add	1,584.20	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,418.46	192.54
		Note: Includes bird screen.		
		For Flange Frame, Add	303.34	
		For Clear Lacquer Finish, Add	606.67	
		For Baked Enamel Standard Colors, Add	910.01	
		For Anodized Finish, Add	1,213.35	
		For Kynar® Standard Colors Finish, Add	1,668.35	
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,665.93	202.86
		Note: Includes bird screen.		
		For Flange Frame, Add	326.02	
		For Clear Lacquer Finish, Add	652.04	
		For Baked Enamel Standard Colors, Add	978.06	
		For Anodized Finish, Add	1,304.08	
		For Kynar® Standard Colors Finish, Add	1,793.11	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	992.68	72.20
		Note: Includes bird screen.		
		For Flange Frame, Add	84.83	
		For Clear Lacquer Finish, Add	169.65	
		For Baked Enamel Standard Colors, Add	254.48	
		For Anodized Finish, Add	339.31	
		For Kynar® Standard Colors Finish, Add	466.55	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,216.31	89.39
		Note: Includes bird screen.		
		For Flange Frame, Add	103.75	
		For Clear Lacquer Finish, Add	207.50	
		For Baked Enamel Standard Colors, Add	311.26	
		For Anodized Finish, Add	415.01	
		For Kynar® Standard Colors Finish, Add	570.64	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,425.02	103.15
		Note: Includes bird screen.		
		For Flange Frame, Add	121.87	
		For Clear Lacquer Finish, Add	243.74	
		For Baked Enamel Standard Colors, Add	365.62	
		For Anodized Finish, Add	487.49	
		For Kynar® Standard Colors Finish, Add	670.30	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,641.61	113.46
		Note: Includes bird screen.		
		For Flange Frame, Add	141.47	
		For Clear Lacquer Finish, Add	282.94	
		For Baked Enamel Standard Colors, Add	424.40	
		For Anodized Finish, Add	565.87	
		For Kynar® Standard Colors Finish, Add	778.07	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,909.03	120.34
		Note: Includes bird screen.		
		For Flange Frame, Add	166.84	
		For Clear Lacquer Finish, Add	333.67	
		For Baked Enamel Standard Colors, Add	500.51	
		For Anodized Finish, Add	667.34	
		For Kynar® Standard Colors Finish, Add	917.59	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,125.47	127.22
		Note: Includes bird screen.		
		For Flange Frame, Add	187.10	
		For Clear Lacquer Finish, Add	374.21	
		For Baked Enamel Standard Colors, Add	561.31	
		For Anodized Finish, Add	748.41	
		For Kynar® Standard Colors Finish, Add	1,029.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0098	EA		48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,303.13	137.53
			Note: Includes bird screen.		
			For Flange Frame, Add	202.81	
			For Clear Lacquer Finish, Add	405.61	
			For Baked Enamel Standard Colors, Add	608.42	
			For Anodized Finish, Add	811.22	
			For Kynar® Standard Colors Finish, Add	1,115.43	
08 91 19 00-0099	EA		48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	2,584.14	147.85
			Note: Includes bird screen.		
			For Flange Frame, Add	228.85	
			For Clear Lacquer Finish, Add	457.69	
			For Baked Enamel Standard Colors, Add	686.54	
			For Anodized Finish, Add	915.38	
			For Kynar® Standard Colors Finish, Add	1,258.65	
08 91 19 00-0100	EA		48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	2,705.44	158.17
			Note: Includes bird screen.		
			For Flange Frame, Add	238.91	
			For Clear Lacquer Finish, Add	477.82	
			For Baked Enamel Standard Colors, Add	716.74	
			For Anodized Finish, Add	955.65	
			For Kynar® Standard Colors Finish, Add	1,314.02	
08 91 19 00-0101	EA		48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	2,979.74	168.48
			Note: Includes bird screen.		
			For Flange Frame, Add	264.28	
			For Clear Lacquer Finish, Add	528.56	
			For Baked Enamel Standard Colors, Add	792.84	
			For Anodized Finish, Add	1,057.12	
			For Kynar® Standard Colors Finish, Add	1,453.53	
08 91 19 00-0102	EA		48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,169.50	178.79
			Note: Includes bird screen.		
			For Flange Frame, Add	281.19	
			For Clear Lacquer Finish, Add	562.38	
			For Baked Enamel Standard Colors, Add	843.57	
			For Anodized Finish, Add	1,124.76	
			For Kynar® Standard Colors Finish, Add	1,546.55	
08 91 19 00-0103	EA		48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	3,377.87	185.66
			Note: Includes bird screen.		
			For Flange Frame, Add	300.65	
			For Clear Lacquer Finish, Add	601.31	
			For Baked Enamel Standard Colors, Add	901.96	
			For Anodized Finish, Add	1,202.61	
			For Kynar® Standard Colors Finish, Add	1,653.59	
08 91 19 00-0104	EA		48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	3,586.24	192.54
			Note: Includes bird screen.		
			For Flange Frame, Add	320.12	
			For Clear Lacquer Finish, Add	640.23	
			For Baked Enamel Standard Colors, Add	960.35	
			For Anodized Finish, Add	1,280.46	
			For Kynar® Standard Colors Finish, Add	1,760.63	
08 91 19 00-0105	EA		48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	3,759.72	199.42
			Note: Includes bird screen.		
			For Flange Frame, Add	336.09	
			For Clear Lacquer Finish, Add	672.17	
			For Baked Enamel Standard Colors, Add	1,008.26	
			For Anodized Finish, Add	1,344.35	
			For Kynar® Standard Colors Finish, Add	1,848.48	
08 91 19 00-0106	EA		48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,044.75	209.74
			Note: Includes bird screen.		
			For Flange Frame, Add	362.53	
			For Clear Lacquer Finish, Add	725.06	
			For Baked Enamel Standard Colors, Add	1,087.58	
			For Anodized Finish, Add	1,450.11	
			For Kynar® Standard Colors Finish, Add	1,993.90	
08 91 19 00-0107	EA		54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,099.21	82.52
			Note: Includes bird screen.		
			For Flange Frame, Add	93.42	
			For Clear Lacquer Finish, Add	186.83	
			For Baked Enamel Standard Colors, Add	280.25	
			For Anodized Finish, Add	373.67	
			For Kynar® Standard Colors Finish, Add	513.79	
08 91 19 00-0108	EA		54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,349.69	99.71
			Note: Includes bird screen.		
			For Flange Frame, Add	115.03	
			For Clear Lacquer Finish, Add	230.05	
			For Baked Enamel Standard Colors, Add	345.08	
			For Anodized Finish, Add	460.11	
			For Kynar® Standard Colors Finish, Add	632.65	
08 91 19 00-0109	EA		54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,580.04	116.90
			Note: Includes bird screen.		
			For Flange Frame, Add	134.62	
			For Clear Lacquer Finish, Add	269.25	
			For Baked Enamel Standard Colors, Add	403.87	
			For Anodized Finish, Add	538.49	
			For Kynar® Standard Colors Finish, Add	740.43	
08 91 19 00-0110	EA		54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,812.57	123.78
			Note: Includes bird screen.		
			For Flange Frame, Add	156.50	
			For Clear Lacquer Finish, Add	313.00	
			For Baked Enamel Standard Colors, Add	469.50	
			For Anodized Finish, Add	626.00	
			For Kynar® Standard Colors Finish, Add	860.76	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,132.34	130.66
		Note: Includes bird screen.		
		For Flange Frame, Add	187.10	
		For Clear Lacquer Finish, Add	374.21	
		For Baked Enamel Standard Colors, Add	561.31	
		For Anodized Finish, Add	748.41	
		For Kynar® Standard Colors Finish, Add	1,029.07	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,354.14	137.53
		Note: Includes bird screen.		
		For Flange Frame, Add	207.91	
		For Clear Lacquer Finish, Add	415.81	
		For Baked Enamel Standard Colors, Add	623.72	
		For Anodized Finish, Add	831.63	
		For Kynar® Standard Colors Finish, Add	1,143.49	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,562.67	147.85
		Note: Includes bird screen.		
		For Flange Frame, Add	226.70	
		For Clear Lacquer Finish, Add	453.40	
		For Baked Enamel Standard Colors, Add	680.09	
		For Anodized Finish, Add	906.79	
		For Kynar® Standard Colors Finish, Add	1,246.84	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,869.18	158.17
		Note: Includes bird screen.		
		For Flange Frame, Add	255.29	
		For Clear Lacquer Finish, Add	510.57	
		For Baked Enamel Standard Colors, Add	765.86	
		For Anodized Finish, Add	1,021.14	
		For Kynar® Standard Colors Finish, Add	1,404.07	
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,084.43	168.48
		Note: Includes bird screen.		
		For Flange Frame, Add	274.75	
		For Clear Lacquer Finish, Add	549.50	
		For Baked Enamel Standard Colors, Add	824.24	
		For Anodized Finish, Add	1,098.99	
		For Kynar® Standard Colors Finish, Add	1,511.11	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,405.73	178.79
		Note: Includes bird screen.		
		For Flange Frame, Add	304.81	
		For Clear Lacquer Finish, Add	609.63	
		For Baked Enamel Standard Colors, Add	914.44	
		For Anodized Finish, Add	1,219.26	
		For Kynar® Standard Colors Finish, Add	1,676.48	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,612.75	185.66
		Note: Includes bird screen.		
		For Flange Frame, Add	324.14	
		For Clear Lacquer Finish, Add	648.28	
		For Baked Enamel Standard Colors, Add	972.42	
		For Anodized Finish, Add	1,296.56	
		For Kynar® Standard Colors Finish, Add	1,782.78	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,849.31	192.54
		Note: Includes bird screen.		
		For Flange Frame, Add	346.42	
		For Clear Lacquer Finish, Add	692.84	
		For Baked Enamel Standard Colors, Add	1,039.27	
		For Anodized Finish, Add	1,385.69	
		For Kynar® Standard Colors Finish, Add	1,905.32	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,076.48	199.42
		Note: Includes bird screen.		
		For Flange Frame, Add	367.76	
		For Clear Lacquer Finish, Add	735.53	
		For Baked Enamel Standard Colors, Add	1,103.29	
		For Anodized Finish, Add	1,471.05	
		For Kynar® Standard Colors Finish, Add	2,022.70	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,264.70	206.30
		Note: Includes bird screen.		
		For Flange Frame, Add	385.21	
		For Clear Lacquer Finish, Add	770.42	
		For Baked Enamel Standard Colors, Add	1,155.63	
		For Anodized Finish, Add	1,540.84	
		For Kynar® Standard Colors Finish, Add	2,118.66	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,596.72	216.61
		Note: Includes bird screen.		
		For Flange Frame, Add	416.35	
		For Clear Lacquer Finish, Add	832.70	
		For Baked Enamel Standard Colors, Add	1,249.05	
		For Anodized Finish, Add	1,665.40	
		For Kynar® Standard Colors Finish, Add	2,289.93	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,181.41	89.39
		Note: Includes bird screen.		
		For Flange Frame, Add	100.26	
		For Clear Lacquer Finish, Add	200.52	
		For Baked Enamel Standard Colors, Add	300.79	
		For Anodized Finish, Add	401.05	
		For Kynar® Standard Colors Finish, Add	551.44	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,457.56	110.03
		Note: Includes bird screen.		
		For Flange Frame, Add	123.75	
		For Clear Lacquer Finish, Add	247.50	
		For Baked Enamel Standard Colors, Add	371.25	
		For Anodized Finish, Add	495.00	
		For Kynar® Standard Colors Finish, Add	680.63	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	1,694.45	123.78
		Note: Includes bird screen.		
		For Flange Frame, Add	144.69	
		For Clear Lacquer Finish, Add	289.38	
		For Baked Enamel Standard Colors, Add	434.07	
		For Anodized Finish, Add	578.76	
		For Kynar® Standard Colors Finish, Add	795.79	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	1,963.22	130.66
		Note: Includes bird screen.		
		For Flange Frame, Add	170.19	
		For Clear Lacquer Finish, Add	340.38	
		For Baked Enamel Standard Colors, Add	510.57	
		For Anodized Finish, Add	680.76	
		For Kynar® Standard Colors Finish, Add	936.05	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,296.59	140.97
		Note: Includes bird screen.		
		For Flange Frame, Add	201.46	
		For Clear Lacquer Finish, Add	402.93	
		For Baked Enamel Standard Colors, Add	604.39	
		For Anodized Finish, Add	805.86	
		For Kynar® Standard Colors Finish, Add	1,108.05	
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	2,545.22	147.85
		Note: Includes bird screen.		
		For Flange Frame, Add	224.95	
		For Clear Lacquer Finish, Add	449.91	
		For Baked Enamel Standard Colors, Add	674.86	
		For Anodized Finish, Add	899.81	
		For Kynar® Standard Colors Finish, Add	1,237.24	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	2,763.15	158.17
		Note: Includes bird screen.		
		For Flange Frame, Add	244.68	
		For Clear Lacquer Finish, Add	489.37	
		For Baked Enamel Standard Colors, Add	734.05	
		For Anodized Finish, Add	978.73	
		For Kynar® Standard Colors Finish, Add	1,345.76	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,091.14	168.48
		Note: Includes bird screen.		
		For Flange Frame, Add	275.42	
		For Clear Lacquer Finish, Add	550.84	
		For Baked Enamel Standard Colors, Add	826.26	
		For Anodized Finish, Add	1,101.68	
		For Kynar® Standard Colors Finish, Add	1,514.80	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,322.51	178.79
		Note: Includes bird screen.		
		For Flange Frame, Add	296.49	
		For Clear Lacquer Finish, Add	592.98	
		For Baked Enamel Standard Colors, Add	889.48	
		For Anodized Finish, Add	1,185.97	
		For Kynar® Standard Colors Finish, Add	1,630.71	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	3,670.64	189.10
		Note: Includes bird screen.		
		For Flange Frame, Add	329.24	
		For Clear Lacquer Finish, Add	658.48	
		For Baked Enamel Standard Colors, Add	987.73	
		For Anodized Finish, Add	1,316.97	
		For Kynar® Standard Colors Finish, Add	1,810.83	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	3,891.09	195.98
		Note: Includes bird screen.		
		For Flange Frame, Add	349.91	
		For Clear Lacquer Finish, Add	699.82	
		For Baked Enamel Standard Colors, Add	1,049.74	
		For Anodized Finish, Add	1,399.65	
		For Kynar® Standard Colors Finish, Add	1,924.52	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	4,142.41	202.86
		Note: Includes bird screen.		
		For Flange Frame, Add	373.67	
		For Clear Lacquer Finish, Add	747.34	
		For Baked Enamel Standard Colors, Add	1,121.00	
		For Anodized Finish, Add	1,494.67	
		For Kynar® Standard Colors Finish, Add	2,055.17	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	4,388.36	209.74
		Note: Includes bird screen.		
		For Flange Frame, Add	396.89	
		For Clear Lacquer Finish, Add	793.78	
		For Baked Enamel Standard Colors, Add	1,190.67	
		For Anodized Finish, Add	1,587.56	
		For Kynar® Standard Colors Finish, Add	2,182.89	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	4,596.72	216.61
		Note: Includes bird screen.		
		For Flange Frame, Add	416.35	
		For Clear Lacquer Finish, Add	832.70	
		For Baked Enamel Standard Colors, Add	1,249.05	
		For Anodized Finish, Add	1,665.40	
		For Kynar® Standard Colors Finish, Add	2,289.93	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	4,944.69	223.49
		Note: Includes bird screen.		
		For Flange Frame, Add	449.77	
		For Clear Lacquer Finish, Add	899.54	
		For Baked Enamel Standard Colors, Add	1,349.31	
		For Anodized Finish, Add	1,799.08	
		For Kynar® Standard Colors Finish, Add	2,473.74	

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,362.94	96.27
		Note: Includes bird screen.		
		For Flange Frame, Add	117.04	
		For Clear Lacquer Finish, Add	234.08	
		For Baked Enamel Standard Colors, Add	351.12	
		For Anodized Finish, Add	468.16	
		For Kynar® Standard Colors Finish, Add	643.72	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,686.07	116.90
		Note: Includes bird screen.		
		For Flange Frame, Add	145.23	
		For Clear Lacquer Finish, Add	290.45	
		For Baked Enamel Standard Colors, Add	435.68	
		For Anodized Finish, Add	580.90	
		For Kynar® Standard Colors Finish, Add	798.74	
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,964.90	137.53
		Note: Includes bird screen.		
		For Flange Frame, Add	168.98	
		For Clear Lacquer Finish, Add	337.97	
		For Baked Enamel Standard Colors, Add	506.95	
		For Anodized Finish, Add	675.93	
		For Kynar® Standard Colors Finish, Add	929.41	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,257.83	144.41
		Note: Includes bird screen.		
		For Flange Frame, Add	196.90	
		For Clear Lacquer Finish, Add	393.80	
		For Baked Enamel Standard Colors, Add	590.70	
		For Anodized Finish, Add	787.60	
		For Kynar® Standard Colors Finish, Add	1,082.96	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,647.39	151.29
		Note: Includes bird screen.		
		For Flange Frame, Add	234.48	
		For Clear Lacquer Finish, Add	468.96	
		For Baked Enamel Standard Colors, Add	703.45	
		For Anodized Finish, Add	937.93	
		For Kynar® Standard Colors Finish, Add	1,289.65	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,918.85	158.17
		Note: Includes bird screen.		
		For Flange Frame, Add	260.25	
		For Clear Lacquer Finish, Add	520.51	
		For Baked Enamel Standard Colors, Add	780.76	
		For Anodized Finish, Add	1,041.01	
		For Kynar® Standard Colors Finish, Add	1,431.39	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,179.73	168.48
		Note: Includes bird screen.		
		For Flange Frame, Add	284.28	
		For Clear Lacquer Finish, Add	568.56	
		For Baked Enamel Standard Colors, Add	852.83	
		For Anodized Finish, Add	1,137.11	
		For Kynar® Standard Colors Finish, Add	1,563.53	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,486.26	178.79
		Note: Includes bird screen.		
		For Flange Frame, Add	312.87	
		For Clear Lacquer Finish, Add	625.73	
		For Baked Enamel Standard Colors, Add	938.60	
		For Anodized Finish, Add	1,251.47	
		For Kynar® Standard Colors Finish, Add	1,720.77	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,745.80	189.10
		Note: Includes bird screen.		
		For Flange Frame, Add	336.76	
		For Clear Lacquer Finish, Add	673.52	
		For Baked Enamel Standard Colors, Add	1,010.27	
		For Anodized Finish, Add	1,347.03	
		For Kynar® Standard Colors Finish, Add	1,852.17	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,145.10	202.86
		Note: Includes bird screen.		
		For Flange Frame, Add	373.94	
		For Clear Lacquer Finish, Add	747.87	
		For Baked Enamel Standard Colors, Add	1,121.81	
		For Anodized Finish, Add	1,495.75	
		For Kynar® Standard Colors Finish, Add	2,056.65	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,395.24	213.17
		Note: Includes bird screen.		
		For Flange Frame, Add	396.89	
		For Clear Lacquer Finish, Add	793.78	
		For Baked Enamel Standard Colors, Add	1,190.67	
		For Anodized Finish, Add	1,587.56	
		For Kynar® Standard Colors Finish, Add	2,182.89	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,661.32	220.05
		Note: Includes bird screen.		
		For Flange Frame, Add	422.12	
		For Clear Lacquer Finish, Add	844.24	
		For Baked Enamel Standard Colors, Add	1,266.37	
		For Anodized Finish, Add	1,688.49	
		For Kynar® Standard Colors Finish, Add	2,321.67	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,932.78	226.93
		Note: Includes bird screen.		
		For Flange Frame, Add	447.89	
		For Clear Lacquer Finish, Add	895.78	
		For Baked Enamel Standard Colors, Add	1,343.68	
		For Anodized Finish, Add	1,791.57	
		For Kynar® Standard Colors Finish, Add	2,463.41	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,167.99	233.81
		Note: Includes bird screen.		
		For Flange Frame, Add	470.04	
		For Clear Lacquer Finish, Add	940.08	
		For Baked Enamel Standard Colors, Add	1,410.11	
		For Anodized Finish, Add	1,880.15	
		For Kynar® Standard Colors Finish, Add	2,585.21	
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	5,556.23	240.68
		Note: Includes bird screen.		
		For Flange Frame, Add	507.49	
		For Clear Lacquer Finish, Add	1,014.97	
		For Baked Enamel Standard Colors, Add	1,522.46	
		For Anodized Finish, Add	2,029.94	
		For Kynar® Standard Colors Finish, Add	2,791.17	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,438.44	103.15
		Note: Includes bird screen.		
		For Flange Frame, Add	123.21	
		For Clear Lacquer Finish, Add	246.43	
		For Baked Enamel Standard Colors, Add	369.64	
		For Anodized Finish, Add	492.86	
		For Kynar® Standard Colors Finish, Add	677.68	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,777.67	123.78
		Note: Includes bird screen.		
		For Flange Frame, Add	153.01	
		For Clear Lacquer Finish, Add	306.02	
		For Baked Enamel Standard Colors, Add	459.03	
		For Anodized Finish, Add	612.04	
		For Kynar® Standard Colors Finish, Add	841.56	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,071.26	144.41
		Note: Includes bird screen.		
		For Flange Frame, Add	178.24	
		For Clear Lacquer Finish, Add	356.49	
		For Baked Enamel Standard Colors, Add	534.73	
		For Anodized Finish, Add	712.98	
		For Kynar® Standard Colors Finish, Add	980.34	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,388.51	154.73
		Note: Includes bird screen.		
		For Flange Frame, Add	207.91	
		For Clear Lacquer Finish, Add	415.81	
		For Baked Enamel Standard Colors, Add	623.72	
		For Anodized Finish, Add	831.63	
		For Kynar® Standard Colors Finish, Add	1,143.49	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	2,806.27	161.60
		Note: Includes bird screen.		
		For Flange Frame, Add	248.31	
		For Clear Lacquer Finish, Add	496.61	
		For Baked Enamel Standard Colors, Add	744.92	
		For Anodized Finish, Add	993.23	
		For Kynar® Standard Colors Finish, Add	1,365.69	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,092.49	168.48
		Note: Includes bird screen.		
		For Flange Frame, Add	275.55	
		For Clear Lacquer Finish, Add	551.11	
		For Baked Enamel Standard Colors, Add	826.66	
		For Anodized Finish, Add	1,102.22	
		For Kynar® Standard Colors Finish, Add	1,515.55	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,370.83	178.79
		Note: Includes bird screen.		
		For Flange Frame, Add	301.32	
		For Clear Lacquer Finish, Add	602.65	
		For Baked Enamel Standard Colors, Add	903.97	
		For Anodized Finish, Add	1,205.30	
		For Kynar® Standard Colors Finish, Add	1,657.28	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	3,687.92	185.66
		Note: Includes bird screen.		
		For Flange Frame, Add	331.66	
		For Clear Lacquer Finish, Add	663.32	
		For Baked Enamel Standard Colors, Add	994.97	
		For Anodized Finish, Add	1,326.63	
		For Kynar® Standard Colors Finish, Add	1,824.12	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	3,959.54	195.98
		Note: Includes bird screen.		
		For Flange Frame, Add	356.76	
		For Clear Lacquer Finish, Add	713.51	
		For Baked Enamel Standard Colors, Add	1,070.27	
		For Anodized Finish, Add	1,427.03	
		For Kynar® Standard Colors Finish, Add	1,962.16	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,395.24	213.17
		Note: Includes bird screen.		
		For Flange Frame, Add	396.89	
		For Clear Lacquer Finish, Add	793.78	
		For Baked Enamel Standard Colors, Add	1,190.67	
		For Anodized Finish, Add	1,587.56	
		For Kynar® Standard Colors Finish, Add	2,182.89	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,670.88	223.49
		Note: Includes bird screen.		
		For Flange Frame, Add	422.39	
		For Clear Lacquer Finish, Add	844.78	
		For Baked Enamel Standard Colors, Add	1,267.17	
		For Anodized Finish, Add	1,689.56	
		For Kynar® Standard Colors Finish, Add	2,323.15	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,945.02	230.37
		Note: Includes bird screen.		
		For Flange Frame, Add	448.43	
		For Clear Lacquer Finish, Add	896.86	
		For Baked Enamel Standard Colors, Add	1,345.29	
		For Anodized Finish, Add	1,793.72	
		For Kynar® Standard Colors Finish, Add	2,466.36	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,223.19	237.24
		Note: Includes bird screen.		
		For Flange Frame, Add	474.87	
		For Clear Lacquer Finish, Add	949.74	
		For Baked Enamel Standard Colors, Add	1,424.61	
		For Anodized Finish, Add	1,899.48	
		For Kynar® Standard Colors Finish, Add	2,611.79	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	5,483.91	244.12
		Note: Includes bird screen.		
		For Flange Frame, Add	499.57	
		For Clear Lacquer Finish, Add	999.13	
		For Baked Enamel Standard Colors, Add	1,498.70	
		For Anodized Finish, Add	1,998.27	
		For Kynar® Standard Colors Finish, Add	2,747.62	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,897.64	251.00
		Note: Includes bird screen.		
		For Flange Frame, Add	539.56	
		For Clear Lacquer Finish, Add	1,079.13	
		For Baked Enamel Standard Colors, Add	1,618.69	
		For Anodized Finish, Add	2,158.26	
		For Kynar® Standard Colors Finish, Add	2,967.60	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,530.04	110.03
		Note: Includes bird screen.		
		For Flange Frame, Add	131.00	
		For Clear Lacquer Finish, Add	262.00	
		For Baked Enamel Standard Colors, Add	393.00	
		For Anodized Finish, Add	524.00	
		For Kynar® Standard Colors Finish, Add	720.49	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,878.66	130.66
		Note: Includes bird screen.		
		For Flange Frame, Add	161.74	
		For Clear Lacquer Finish, Add	323.47	
		For Baked Enamel Standard Colors, Add	485.21	
		For Anodized Finish, Add	646.94	
		For Kynar® Standard Colors Finish, Add	889.54	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,178.97	151.29
		Note: Includes bird screen.		
		For Flange Frame, Add	187.64	
		For Clear Lacquer Finish, Add	375.28	
		For Baked Enamel Standard Colors, Add	562.92	
		For Anodized Finish, Add	750.56	
		For Kynar® Standard Colors Finish, Add	1,032.02	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,517.70	161.60
		Note: Includes bird screen.		
		For Flange Frame, Add	219.45	
		For Clear Lacquer Finish, Add	438.90	
		For Baked Enamel Standard Colors, Add	658.35	
		For Anodized Finish, Add	877.80	
		For Kynar® Standard Colors Finish, Add	1,206.98	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,959.61	168.48
		Note: Includes bird screen.		
		For Flange Frame, Add	262.27	
		For Clear Lacquer Finish, Add	524.53	
		For Baked Enamel Standard Colors, Add	786.80	
		For Anodized Finish, Add	1,049.06	
		For Kynar® Standard Colors Finish, Add	1,442.46	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,257.92	175.36
		Note: Includes bird screen.		
		For Flange Frame, Add	290.72	
		For Clear Lacquer Finish, Add	581.44	
		For Baked Enamel Standard Colors, Add	872.16	
		For Anodized Finish, Add	1,162.88	
		For Kynar® Standard Colors Finish, Add	1,598.97	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	3,556.38	185.66
		Note: Includes bird screen.		
		For Flange Frame, Add	318.50	
		For Clear Lacquer Finish, Add	637.01	
		For Baked Enamel Standard Colors, Add	955.51	
		For Anodized Finish, Add	1,274.02	
		For Kynar® Standard Colors Finish, Add	1,751.77	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,892.26	192.54
		Note: Includes bird screen.		
		For Flange Frame, Add	350.72	
		For Clear Lacquer Finish, Add	701.43	
		For Baked Enamel Standard Colors, Add	1,052.15	
		For Anodized Finish, Add	1,402.87	
		For Kynar® Standard Colors Finish, Add	1,928.94	
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,184.02	202.86
		Note: Includes bird screen.		
		For Flange Frame, Add	377.83	
		For Clear Lacquer Finish, Add	755.66	
		For Baked Enamel Standard Colors, Add	1,133.49	
		For Anodized Finish, Add	1,511.32	
		For Kynar® Standard Colors Finish, Add	2,078.06	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	4,647.90		220.05
		Note: Includes bird screen.			
		For Flange Frame, Add	420.78		
		For Clear Lacquer Finish, Add	841.56		
		For Baked Enamel Standard Colors, Add	1,262.34		
		For Anodized Finish, Add	1,683.12		
		For Kynar® Standard Colors Finish, Add	2,314.29		
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	4,936.97		230.37
		Note: Includes bird screen.			
		For Flange Frame, Add	447.62		
		For Clear Lacquer Finish, Add	895.25		
		For Baked Enamel Standard Colors, Add	1,342.87		
		For Anodized Finish, Add	1,790.50		
		For Kynar® Standard Colors Finish, Add	2,461.93		
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,239.47		240.68
		Note: Includes bird screen.			
		For Flange Frame, Add	475.81		
		For Clear Lacquer Finish, Add	951.62		
		For Baked Enamel Standard Colors, Add	1,427.43		
		For Anodized Finish, Add	1,903.24		
		For Kynar® Standard Colors Finish, Add	2,616.96		
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	5,517.63		247.56
		Note: Includes bird screen.			
		For Flange Frame, Add	502.25		
		For Clear Lacquer Finish, Add	1,004.50		
		For Baked Enamel Standard Colors, Add	1,506.75		
		For Anodized Finish, Add	2,009.00		
		For Kynar® Standard Colors Finish, Add	2,762.38		
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	5,795.80		254.44
		Note: Includes bird screen.			
		For Flange Frame, Add	528.69		
		For Clear Lacquer Finish, Add	1,057.39		
		For Baked Enamel Standard Colors, Add	1,586.08		
		For Anodized Finish, Add	2,114.77		
		For Kynar® Standard Colors Finish, Add	2,907.81		
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	6,236.38		261.31
		Note: Includes bird screen.			
		For Flange Frame, Add	571.38		
		For Clear Lacquer Finish, Add	1,142.75		
		For Baked Enamel Standard Colors, Add	1,714.13		
		For Anodized Finish, Add	2,285.50		
		For Kynar® Standard Colors Finish, Add	3,142.56		
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,604.20		116.90
		Note: Includes bird screen.			
		For Flange Frame, Add	137.04		
		For Clear Lacquer Finish, Add	274.08		
		For Baked Enamel Standard Colors, Add	411.12		
		For Anodized Finish, Add	548.16		
		For Kynar® Standard Colors Finish, Add	753.71		
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	1,967.58		137.53
		Note: Includes bird screen.			
		For Flange Frame, Add	169.25		
		For Clear Lacquer Finish, Add	338.50		
		For Baked Enamel Standard Colors, Add	507.75		
		For Anodized Finish, Add	677.00		
		For Kynar® Standard Colors Finish, Add	930.88		
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,300.09		158.17
		Note: Includes bird screen.			
		For Flange Frame, Add	198.38		
		For Clear Lacquer Finish, Add	396.75		
		For Baked Enamel Standard Colors, Add	595.13		
		For Anodized Finish, Add	793.51		
		For Kynar® Standard Colors Finish, Add	1,091.07		
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum.....	2,649.56		168.48
		Note: Includes bird screen.			
		For Flange Frame, Add	231.26		
		For Clear Lacquer Finish, Add	462.52		
		For Baked Enamel Standard Colors, Add	693.78		
		For Anodized Finish, Add	925.04		
		For Kynar® Standard Colors Finish, Add	1,271.94		
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum.....	3,119.67		175.36
		Note: Includes bird screen.			
		For Flange Frame, Add	276.90		
		For Clear Lacquer Finish, Add	553.79		
		For Baked Enamel Standard Colors, Add	830.69		
		For Anodized Finish, Add	1,107.58		
		For Kynar® Standard Colors Finish, Add	1,522.93		
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,435.41		182.23
		Note: Includes bird screen.			
		For Flange Frame, Add	307.10		
		For Clear Lacquer Finish, Add	614.19		
		For Baked Enamel Standard Colors, Add	921.29		
		For Anodized Finish, Add	1,228.38		
		For Kynar® Standard Colors Finish, Add	1,689.02		
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,740.59		192.54
		Note: Includes bird screen.			
		For Flange Frame, Add	335.55		
		For Clear Lacquer Finish, Add	671.10		
		For Baked Enamel Standard Colors, Add	1,006.65		
		For Anodized Finish, Add	1,342.20		
		For Kynar® Standard Colors Finish, Add	1,845.53		



## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,103.32	199.42
		Note: Includes bird screen.		
		For Flange Frame, Add	370.45	
		For Clear Lacquer Finish, Add	740.89	
		For Baked Enamel Standard Colors, Add	1,111.34	
		For Anodized Finish, Add	1,481.79	
		For Kynar® Standard Colors Finish, Add	2,037.46	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,409.83	209.74
		Note: Includes bird screen.		
		For Flange Frame, Add	399.04	
		For Clear Lacquer Finish, Add	798.07	
		For Baked Enamel Standard Colors, Add	1,197.11	
		For Anodized Finish, Add	1,596.14	
		For Kynar® Standard Colors Finish, Add	2,194.70	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	4,901.91	226.93
		Note: Includes bird screen.		
		For Flange Frame, Add	444.81	
		For Clear Lacquer Finish, Add	889.61	
		For Baked Enamel Standard Colors, Add	1,334.42	
		For Anodized Finish, Add	1,779.22	
		For Kynar® Standard Colors Finish, Add	2,446.43	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	5,201.72	237.24
		Note: Includes bird screen.		
		For Flange Frame, Add	472.72	
		For Clear Lacquer Finish, Add	945.45	
		For Baked Enamel Standard Colors, Add	1,418.17	
		For Anodized Finish, Add	1,890.89	
		For Kynar® Standard Colors Finish, Add	2,599.98	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	5,531.05	247.56
		Note: Includes bird screen.		
		For Flange Frame, Add	503.59	
		For Clear Lacquer Finish, Add	1,007.19	
		For Baked Enamel Standard Colors, Add	1,510.78	
		For Anodized Finish, Add	2,014.37	
		For Kynar® Standard Colors Finish, Add	2,769.76	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	5,884.38	254.44
		Note: Includes bird screen.		
		For Flange Frame, Add	537.55	
		For Clear Lacquer Finish, Add	1,075.10	
		For Baked Enamel Standard Colors, Add	1,612.65	
		For Anodized Finish, Add	2,150.20	
		For Kynar® Standard Colors Finish, Add	2,956.53	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,202.82	261.31
		Note: Includes bird screen.		
		For Flange Frame, Add	568.02	
		For Clear Lacquer Finish, Add	1,136.04	
		For Baked Enamel Standard Colors, Add	1,704.06	
		For Anodized Finish, Add	2,272.08	
		For Kynar® Standard Colors Finish, Add	3,124.10	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	6,676.93	268.19
		Note: Includes bird screen.		
		For Flange Frame, Add	614.06	
		For Clear Lacquer Finish, Add	1,228.11	
		For Baked Enamel Standard Colors, Add	1,842.17	
		For Anodized Finish, Add	2,456.22	
		For Kynar® Standard Colors Finish, Add	3,377.31	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,701.33	127.22
		Note: Includes bird screen.		
		For Flange Frame, Add	144.69	
		For Clear Lacquer Finish, Add	289.38	
		For Baked Enamel Standard Colors, Add	434.07	
		For Anodized Finish, Add	578.76	
		For Kynar® Standard Colors Finish, Add	795.79	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	2,070.08	147.85
		Note: Includes bird screen.		
		For Flange Frame, Add	177.44	
		For Clear Lacquer Finish, Add	354.88	
		For Baked Enamel Standard Colors, Add	532.32	
		For Anodized Finish, Add	709.76	
		For Kynar® Standard Colors Finish, Add	975.91	
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	2,416.02	168.48
		Note: Includes bird screen.		
		For Flange Frame, Add	207.91	
		For Clear Lacquer Finish, Add	415.81	
		For Baked Enamel Standard Colors, Add	623.72	
		For Anodized Finish, Add	831.63	
		For Kynar® Standard Colors Finish, Add	1,143.49	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,776.23	178.79
		Note: Includes bird screen.		
		For Flange Frame, Add	241.86	
		For Clear Lacquer Finish, Add	483.73	
		For Baked Enamel Standard Colors, Add	725.59	
		For Anodized Finish, Add	967.46	
		For Kynar® Standard Colors Finish, Add	1,330.25	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,278.55	185.66
		Note: Includes bird screen.		
		For Flange Frame, Add	290.72	
		For Clear Lacquer Finish, Add	581.44	
		For Baked Enamel Standard Colors, Add	872.16	
		For Anodized Finish, Add	1,162.88	
		For Kynar® Standard Colors Finish, Add	1,598.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0202	EA		90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum.....	3,605.03	192.54
			Note: Includes bird screen.		
			For Flange Frame, Add	321.99	
			For Clear Lacquer Finish, Add	643.99	
			For Baked Enamel Standard Colors, Add	965.98	
			For Anodized Finish, Add	1,287.98	
			For Kynar® Standard Colors Finish, Add	1,770.97	
08 91 19 00-0203	EA		90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum.....	3,916.76	199.42
			Note: Includes bird screen.		
			For Flange Frame, Add	351.79	
			For Clear Lacquer Finish, Add	703.58	
			For Baked Enamel Standard Colors, Add	1,055.37	
			For Anodized Finish, Add	1,407.16	
			For Kynar® Standard Colors Finish, Add	1,934.85	
08 91 19 00-0204	EA		90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum.....	4,299.60	206.30
			Note: Includes bird screen.		
			For Flange Frame, Add	388.70	
			For Clear Lacquer Finish, Add	777.40	
			For Baked Enamel Standard Colors, Add	1,166.10	
			For Anodized Finish, Add	1,554.80	
			For Kynar® Standard Colors Finish, Add	2,137.86	
08 91 19 00-0205	EA		90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum.....	4,622.23	216.61
			Note: Includes bird screen.		
			For Flange Frame, Add	418.90	
			For Clear Lacquer Finish, Add	837.80	
			For Baked Enamel Standard Colors, Add	1,256.70	
			For Anodized Finish, Add	1,675.60	
			For Kynar® Standard Colors Finish, Add	2,303.96	
08 91 19 00-0206	EA		90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum.....	5,142.49	233.81
			Note: Includes bird screen.		
			For Flange Frame, Add	467.49	
			For Clear Lacquer Finish, Add	934.98	
			For Baked Enamel Standard Colors, Add	1,402.46	
			For Anodized Finish, Add	1,869.95	
			For Kynar® Standard Colors Finish, Add	2,571.18	
08 91 19 00-0207	EA		90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum.....	5,455.72	244.12
			Note: Includes bird screen.		
			For Flange Frame, Add	496.75	
			For Clear Lacquer Finish, Add	993.50	
			For Baked Enamel Standard Colors, Add	1,490.24	
			For Anodized Finish, Add	1,986.99	
			For Kynar® Standard Colors Finish, Add	2,732.11	
08 91 19 00-0208	EA		90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum.....	5,814.59	254.44
			Note: Includes bird screen.		
			For Flange Frame, Add	530.57	
			For Clear Lacquer Finish, Add	1,061.14	
			For Baked Enamel Standard Colors, Add	1,591.72	
			For Anodized Finish, Add	2,122.29	
			For Kynar® Standard Colors Finish, Add	2,918.15	
08 91 19 00-0209	EA		90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum.....	6,189.40	261.31
			Note: Includes bird screen.		
			For Flange Frame, Add	566.68	
			For Clear Lacquer Finish, Add	1,133.35	
			For Baked Enamel Standard Colors, Add	1,700.03	
			For Anodized Finish, Add	2,266.71	
			For Kynar® Standard Colors Finish, Add	3,116.72	
08 91 19 00-0210	EA		90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum.....	6,506.64	271.63
			Note: Includes bird screen.		
			For Flange Frame, Add	596.34	
			For Clear Lacquer Finish, Add	1,192.68	
			For Baked Enamel Standard Colors, Add	1,789.02	
			For Anodized Finish, Add	2,385.36	
			For Kynar® Standard Colors Finish, Add	3,279.86	
08 91 19 00-0211	EA		90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum.....	7,008.96	278.51
			Note: Includes bird screen.		
			For Flange Frame, Add	645.20	
			For Clear Lacquer Finish, Add	1,290.39	
			For Baked Enamel Standard Colors, Add	1,935.59	
			For Anodized Finish, Add	2,580.78	
			For Kynar® Standard Colors Finish, Add	3,548.58	
08 91 19 00-0212	EA		96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum.....	1,785.05	137.53
			Note: Includes bird screen.		
			For Flange Frame, Add	151.00	
			For Clear Lacquer Finish, Add	302.00	
			For Baked Enamel Standard Colors, Add	452.99	
			For Anodized Finish, Add	603.99	
			For Kynar® Standard Colors Finish, Add	830.49	
08 91 19 00-0213	EA		96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum.....	2,167.21	158.17
			Note: Includes bird screen.		
			For Flange Frame, Add	185.09	
			For Clear Lacquer Finish, Add	370.18	
			For Baked Enamel Standard Colors, Add	555.27	
			For Anodized Finish, Add	740.36	
			For Kynar® Standard Colors Finish, Add	1,017.99	
08 91 19 00-0214	EA		96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum.....	2,530.61	178.79
			Note: Includes bird screen.		
			For Flange Frame, Add	217.30	
			For Clear Lacquer Finish, Add	434.60	
			For Baked Enamel Standard Colors, Add	651.91	
			For Anodized Finish, Add	869.21	
			For Kynar® Standard Colors Finish, Add	1,195.16	

## 08 Openings

## 08 90 Louvers and Vents

## 08 91 Louvers

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	2,910.95	189.10
		Note: Includes bird screen.		
		For Flange Frame, Add	253.27	
		For Clear Lacquer Finish, Add	506.55	
		For Baked Enamel Standard Colors, Add	759.82	
		For Anodized Finish, Add	1,013.09	
		For Kynar® Standard Colors Finish, Add	1,393.00	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	3,429.37	195.98
		Note: Includes bird screen.		
		For Flange Frame, Add	303.74	
		For Clear Lacquer Finish, Add	607.48	
		For Baked Enamel Standard Colors, Add	911.22	
		For Anodized Finish, Add	1,214.96	
		For Kynar® Standard Colors Finish, Add	1,670.57	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	3,810.89	202.86
		Note: Includes bird screen.		
		For Flange Frame, Add	340.52	
		For Clear Lacquer Finish, Add	681.03	
		For Baked Enamel Standard Colors, Add	1,021.55	
		For Anodized Finish, Add	1,362.06	
		For Kynar® Standard Colors Finish, Add	1,872.84	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	4,142.73	209.74
		Note: Includes bird screen.		
		For Flange Frame, Add	372.33	
		For Clear Lacquer Finish, Add	744.65	
		For Baked Enamel Standard Colors, Add	1,116.98	
		For Anodized Finish, Add	1,489.30	
		For Kynar® Standard Colors Finish, Add	2,047.79	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	4,506.80	216.61
		Note: Includes bird screen.		
		For Flange Frame, Add	407.36	
		For Clear Lacquer Finish, Add	814.72	
		For Baked Enamel Standard Colors, Add	1,222.07	
		For Anodized Finish, Add	1,629.43	
		For Kynar® Standard Colors Finish, Add	2,240.47	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	4,844.03	223.49
		Note: Includes bird screen.		
		For Flange Frame, Add	439.71	
		For Clear Lacquer Finish, Add	879.41	
		For Baked Enamel Standard Colors, Add	1,319.12	
		For Anodized Finish, Add	1,758.82	
		For Kynar® Standard Colors Finish, Add	2,418.38	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	5,403.22	240.68
		Note: Includes bird screen.		
		For Flange Frame, Add	492.19	
		For Clear Lacquer Finish, Add	984.37	
		For Baked Enamel Standard Colors, Add	1,476.56	
		For Anodized Finish, Add	1,968.74	
		For Kynar® Standard Colors Finish, Add	2,707.02	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	4,282.98	251.00
		Note: Includes bird screen.		
		For Flange Frame, Add	378.10	
		For Clear Lacquer Finish, Add	756.20	
		For Baked Enamel Standard Colors, Add	1,134.29	
		For Anodized Finish, Add	1,512.39	
		For Kynar® Standard Colors Finish, Add	2,079.54	
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	6,094.10	261.31
		Note: Includes bird screen.		
		For Flange Frame, Add	557.15	
		For Clear Lacquer Finish, Add	1,114.29	
		For Baked Enamel Standard Colors, Add	1,671.44	
		For Anodized Finish, Add	2,228.59	
		For Kynar® Standard Colors Finish, Add	3,064.31	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	6,482.32	268.19
		Note: Includes bird screen.		
		For Flange Frame, Add	594.60	
		For Clear Lacquer Finish, Add	1,189.19	
		For Baked Enamel Standard Colors, Add	1,783.79	
		For Anodized Finish, Add	2,378.38	
		For Kynar® Standard Colors Finish, Add	3,270.27	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	6,815.68	278.51
		Note: Includes bird screen.		
		For Flange Frame, Add	625.87	
		For Clear Lacquer Finish, Add	1,251.74	
		For Baked Enamel Standard Colors, Add	1,877.60	
		For Anodized Finish, Add	2,503.47	
		For Kynar® Standard Colors Finish, Add	3,442.27	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	7,355.75	288.82
		Note: Includes bird screen.		
		For Flange Frame, Add	677.81	
		For Clear Lacquer Finish, Add	1,355.62	
		For Baked Enamel Standard Colors, Add	2,033.43	
		For Anodized Finish, Add	2,711.24	
		For Kynar® Standard Colors Finish, Add	3,727.96	

08 91 19 00-0227	Gable Louver Vents (08 91 19)
	Note: 1" deep, residential/light commercial grade louvers.
08 91 19 00-0228	Aluminum Gable Louver Vents (08 91 19 00-0227)
	Note: Includes screen.

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents (08 91 19 00-0228)**  
 Note: Includes screen.

08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent.....	181.95	13.00
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	199.98	14.93
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent.....	230.24	16.85
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	251.76	17.92
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent.....	285.49	18.97
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	321.35	22.76
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent.....	375.14	28.45
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	419.97	33.18
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent.....	482.72	39.83
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent.....	608.21	53.10

**08 91 19 00-0240 Square Aluminum Gable Louver Vents (08 91 19 00-0228)**  
 Note: Includes screen.

08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent .....	166.65	11.97
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent .....	206.80	15.17
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent.....	257.86	17.90
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent .....	330.31	23.70
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent .....	428.93	34.14
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent .....	545.35	46.43
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent .....	679.93	60.69

**08 91 19 00-0248 Round Aluminum Gable Louver Vents (08 91 19 00-0228)**  
 Note: Includes screen.

08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent.....	166.65	11.97
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent.....	206.80	15.17
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent.....	257.86	17.90
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent .....	330.31	23.70
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent.....	428.93	34.14
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent.....	545.47	46.46

**08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents (08 91 19 00-0228)**  
 Note: Includes screen.

08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent.....	166.65	11.97
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	181.95	13.00
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	199.98	14.93
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent.....	206.80	15.17
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	230.24	16.85
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	251.76	17.92
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent.....	257.86	17.90
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	285.49	18.97
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	321.35	22.76
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent.....	330.31	23.70
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	375.14	28.45
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	419.97	33.18
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent.....	428.93	34.14
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	482.72	39.83
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	536.50	45.51
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent.....	545.47	46.46
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	608.21	53.10
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent.....	679.93	60.69

**08 91 19 00-0274 Round Top Aluminum Gable Louver Vents (08 91 19 00-0228)**  
 Note: Includes screen.

08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent .....	166.65	11.97
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	181.95	13.00
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	199.98	14.93
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent.....	206.80	15.17
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	230.24	16.85
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	251.76	17.92
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent.....	257.86	17.90
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	285.49	18.97
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	321.35	22.76
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent.....	330.31	23.70
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	375.14	28.45
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	419.97	33.18
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent.....	428.93	34.14
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	482.72	39.83
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	536.50	45.51
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent.....	545.47	46.46
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	608.21	53.10
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent.....	679.93	60.69

**08 91 19 00-0293 Triangle Aluminum Gable Louver Vents (08 91 19 00-0228)**  
 Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	334.55	14.93
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	380.21	17.90
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	407.83	18.97
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	468.16	22.76

**08 Openings****08 90 Louvers and Vents****08 91 Louvers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	519.94		23.70
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	436.31		28.45
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	511.73		33.18
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	575.74		34.14
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	654.00		39.83
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent.....	536.50		45.51
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent.....	612.76		46.46
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent.....	706.08		53.10
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent.....	802.27		60.69
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent.....	902.84		69.73
<b>08 91 19 00-0308 Vinyl Gable Louver Vents (08 91 19 00-0227)</b>					
Note: Includes screen.					
08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent.....	77.70		11.97
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent.....	93.33		13.00
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent.....	127.01		16.85
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent.....	172.37		18.97
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent.....	122.51		15.17
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent.....	141.74		17.90
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent.....	199.24		23.70
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent.....	291.00		34.14
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent.....	122.51		15.17
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent.....	138.58		16.85
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent.....	177.71		18.97
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent.....	252.96		28.45
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent.....	592.88		45.51
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent.....	120.11		14.93
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent.....	166.66		18.97
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent.....	173.89		22.76
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	389.87		28.45
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	389.87		28.45
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent.....	389.87		28.45
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent.....	389.87		28.45
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent.....	389.87		28.45
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent.....	441.12		45.51
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	441.12		45.51
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent.....	441.12		45.51
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent.....	441.12		45.51
<b>08 95 Vents (08 90)</b>					
<b>08 95 13 Soffit Vents (08 95)</b>					
<b>08 95 13 00-0001 Aluminum Soffit Vents (08 95 13)</b>					
08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent.....	8.88		3.17
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent.....	15.86		6.19
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish.....	26.16		8.25
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish.....	27.15		8.25
<b>08 95 13 00-0006 Vinyl Soffit Vents (08 95 13)</b>					
08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White.....	6.92		2.87
		<i>For Colors, Add</i>	0.12		
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White.....	7.09		2.87
		<i>For Colors, Add</i>	0.14		
<b>08 95 16 Wall Vents (08 95)</b>					
<b>08 95 16 00-0001 Foundation Vents (08 95 16)</b>					
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent.....	0.62		0.27
08 95 16 00-0003	SI	Aluminum Foundation Vent.....	1.12		0.27
08 95 16 00-0004	SI	Stainless Steel Foundation Vent.....	1.22		0.27
08 95 16 00-0005	SI	Plastic Foundation Vent.....	0.81		0.27

**END OF SECTION 08**



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 09 Finishes

### 09 01 Maintenance of Finishes (09)

#### 09 01 20 Maintenance of Plaster and Gypsum Board (09 01)

##### 09 01 20 91 Plaster Restoration (09 01 20)

09 01 20 91-0001	SF	Cut And Patch Hole In Gypsum Board To Match Existing <small>(09 01 20 91)</small> <small>Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs &gt; 32 SF.</small>	
09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing..... <small>Note: Per location.</small>	21.36
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location.</small>	17.27
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location.</small>	15.51
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location.</small>	13.68
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing ..... <small>Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs &gt; 32 SF.</small>	12.26
09 01 20 91-0007		Plaster/Stucco Repair <small>(09 01 20 91)</small> <small>Note: Per location.</small>	
09 01 20 91-0008		Chip, Clean And Repair Plaster/Stucco <small>(09 01 20 91-0007)</small> <small>Note: Includes plaster weld.</small>	
09 01 20 91-0009	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco.....	37.48
09 01 20 91-0010	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco.....	27.24
09 01 20 91-0011	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco.....	20.06
09 01 20 91-0012	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco.....	15.96

#### 09 01 30 Maintenance of Tiling (09 01)

##### 09 01 30 91 Tile Restoration (09 01 30)

09 01 30 91-0001	SF	RegROUT Floor Tile Including Removal Of Loose Grout.....	10.53
09 01 30 91-0002	SF	RegROUT Wall Tile Including Removal Of Loose Grout.....	13.15

#### 09 01 90 Maintenance of Painting and Coating (09 01)

##### 09 01 90 52 Maintenance Repainting (09 01 90)

09 01 90 52-0001	SF	Cleaning And Preparation Of Painted And Unpainted Surfaces <small>(09 01 90 52)</small> <small>Note: Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.</small>	
09 01 90 52-0002		Concrete And Masonry Surfaces, Surface Preparation <small>(09 01 90 52-0001)</small>	
09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation..... <small>For Up To 100, Add</small> <small>For &gt;100 To 250, Add</small> <small>For &gt;250 To 500, Add</small> <small>For &gt;5,000 To 10,000, Deduct</small> <small>For &gt;10,000 To 15,000, Deduct</small> <small>For &gt;15,000 To 30,000, Deduct</small> <small>For &gt;30,000, Deduct</small>	0.60 0.44 0.20 0.09 -0.03 -0.06 -0.09 -0.12
09 01 90 52-0004	SF	Calimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation..... <small>For Up To 100, Add</small> <small>For &gt;100 To 250, Add</small> <small>For &gt;250 To 500, Add</small> <small>For &gt;5,000 To 10,000, Deduct</small> <small>For &gt;10,000 To 15,000, Deduct</small> <small>For &gt;15,000 To 30,000, Deduct</small> <small>For &gt;30,000, Deduct</small>	0.61 1.06 0.28 0.14 -0.03 -0.06 -0.09 -0.12
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation..... <small>For Up To 100, Add</small> <small>For &gt;100 To 250, Add</small> <small>For &gt;250 To 500, Add</small> <small>For &gt;5,000 To 10,000, Deduct</small> <small>For &gt;10,000 To 15,000, Deduct</small> <small>For &gt;15,000 To 30,000, Deduct</small> <small>For &gt;30,000, Deduct</small>	0.94 1.61 0.43 0.21 -0.04 -0.09 -0.14 -0.18
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation..... <small>For Up To 100, Add</small> <small>For &gt;100 To 250, Add</small> <small>For &gt;250 To 500, Add</small> <small>For &gt;5,000 To 10,000, Deduct</small> <small>For &gt;10,000 To 15,000, Deduct</small> <small>For &gt;15,000 To 30,000, Deduct</small> <small>For &gt;30,000, Deduct</small>	1.08 2.16 0.54 0.27 -0.05 -0.11 -0.16 -0.22

**09 Finishes**

**09 01 Maintenance of Finishes**

**09 01 90 Maintenance of Painting and Coating**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 01 90 52-0007	SF Steam Clean, Concrete And Masonry Surfaces, Surface Preparation.....	1.10	
	<i>For Up To 100, Add</i>	1.96	
	<i>For &gt;100 To 250, Add</i>	0.51	
	<i>For &gt;250 To 500, Add</i>	0.25	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
	<i>For &gt;10,000 To 15,000, Deduct</i>	-0.10	
	<i>For &gt;15,000 To 30,000, Deduct</i>	-0.16	
	<i>For &gt;30,000, Deduct</i>	-0.21	
09 01 90 52-0008	SF 2,000 To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation .....	0.70	
	<i>For Up To 100, Add</i>	1.19	
	<i>For &gt;100 To 250, Add</i>	0.32	
	<i>For &gt;250 To 500, Add</i>	0.15	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
	<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
	<i>For &gt;15,000 To 30,000, Deduct</i>	-0.10	
	<i>For &gt;30,000, Deduct</i>	-0.13	
09 01 90 52-0009	SF 10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	2.00	
	<i>For Up To 100, Add</i>	3.69	
	<i>For &gt;100 To 250, Add</i>	0.95	
	<i>For &gt;250 To 500, Add</i>	0.47	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
	<i>For &gt;10,000 To 15,000, Deduct</i>	-0.19	
	<i>For &gt;15,000 To 30,000, Deduct</i>	-0.29	
	<i>For &gt;30,000, Deduct</i>	-0.39	
09 01 90 52-0010	SF 30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation .....	3.34	
	<i>For Up To 100, Add</i>	6.37	
	<i>For &gt;100 To 250, Add</i>	1.62	
	<i>For &gt;250 To 500, Add</i>	0.80	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
	<i>For &gt;10,000 To 15,000, Deduct</i>	-0.33	
	<i>For &gt;15,000 To 30,000, Deduct</i>	-0.49	
	<i>For &gt;30,000, Deduct</i>	-0.66	
09 01 90 52-0011	SF Abrasive Glass Media Blasting, Concrete And Masonry Surfaces, Surface Preparation .....	4.77	
	Note: 3 lbs of sand or glass abrasive media material per SF		
	<i>For 4.5 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add</i>	2.79	
	<i>For 6 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add</i>	5.77	
	<i>For 9 lbs Of Abrasive Media Material per SF, Where Multiple Pass Is Required, Add</i>	9.54	
	<i>For Up To 100, Add</i>	8.39	
	<i>For &gt;100 To 250, Add</i>	2.19	
	<i>For &gt;250 To 500, Add</i>	1.08	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
	<i>For &gt;10,000 To 15,000, Deduct</i>	-0.45	
	<i>For &gt;15,000 To 30,000, Deduct</i>	-0.69	
	<i>For &gt;30,000, Deduct</i>	-0.92	
09 01 90 52-0012	<b>Drywall Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
09 01 90 52-0013	SF Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation .....	0.46	
	<i>For Up To 100, Add</i>	0.92	
	<i>For &gt;100 To 250, Add</i>	0.23	
	<i>For &gt;250 To 500, Add</i>	0.12	
09 01 90 52-0014	SF Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation .....	0.78	
	<i>For Up To 100, Add</i>	1.56	
	<i>For &gt;100 To 250, Add</i>	0.39	
	<i>For &gt;250 To 500, Add</i>	0.20	
09 01 90 52-0015	SF Hand Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation .....	1.44	
	<i>For Up To 100, Add</i>	2.78	
	<i>For &gt;100 To 250, Add</i>	0.70	
	<i>For &gt;250 To 500, Add</i>	0.35	
09 01 90 52-0016	<b>Metal Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
09 01 90 52-0017	SF Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation.....	0.57	
	<i>For Up To 100, Add</i>	0.41	
	<i>For &gt;100 To 250, Add</i>	0.19	
	<i>For &gt;250 To 500, Add</i>	0.08	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
	<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
	<i>For &gt;15,000 To 30,000, Deduct</i>	-0.08	
	<i>For &gt;30,000, Deduct</i>	-0.11	
09 01 90 52-0018	SF Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation .....	0.94	
	<i>For Up To 100, Add</i>	0.57	
	<i>For &gt;100 To 250, Add</i>	0.27	
	<i>For &gt;250 To 500, Add</i>	0.11	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
	<i>For &gt;10,000 To 15,000, Deduct</i>	-0.09	
	<i>For &gt;15,000 To 30,000, Deduct</i>	-0.14	
	<i>For &gt;30,000, Deduct</i>	-0.18	
09 01 90 52-0019	SF Hand Scraping And Sanding, Metal Surfaces, Surface Preparation .....	1.08	
	<i>For Up To 100, Add</i>	0.81	
	<i>For &gt;100 To 250, Add</i>	0.38	
	<i>For &gt;250 To 500, Add</i>	0.16	
	<i>For &gt;5,000 To 10,000, Deduct</i>	-0.05	
	<i>For &gt;10,000 To 15,000, Deduct</i>	-0.11	
	<i>For &gt;15,000 To 30,000, Deduct</i>	-0.16	
	<i>For &gt;30,000, Deduct</i>	-0.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0020	SF		2,000 To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation.....	0.67	
			<i>For Up To 100, Add</i>	0.42	
			<i>For &gt;100 To 250, Add</i>	0.20	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.10	
			<i>For &gt;30,000, Deduct</i>	-0.13	
09 01 90 52-0021	SF		Power Tool Cleaning, Metal Surfaces, Surface Preparation.....	1.93	
			<i>For Up To 100, Add</i>	1.45	
			<i>For &gt;100 To 250, Add</i>	0.68	
			<i>For &gt;250 To 500, Add</i>	0.29	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.19	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.29	
			<i>For &gt;30,000, Deduct</i>	-0.39	
09 01 90 52-0022	SF		Steam Cleaning, Metal Surfaces, Surface Preparation.....	0.67	
			<i>For Up To 100, Add</i>	0.38	
			<i>For &gt;100 To 250, Add</i>	0.18	
			<i>For &gt;250 To 500, Add</i>	0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.06	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.10	
			<i>For &gt;30,000, Deduct</i>	-0.13	
09 01 90 52-0023	SF		Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation.....	1.44	
			<i>For Up To 100, Add</i>	0.92	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.14	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.21	
			<i>For &gt;30,000, Deduct</i>	-0.28	
09 01 90 52-0024	SF		Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation.....	1.96	
			<i>For Up To 100, Add</i>	1.24	
			<i>For &gt;100 To 250, Add</i>	0.58	
			<i>For &gt;250 To 500, Add</i>	0.25	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.18	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.28	
			<i>For &gt;30,000, Deduct</i>	-0.38	
09 01 90 52-0025	SF		Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation.....	2.88	
			<i>For Up To 100, Add</i>	1.85	
			<i>For &gt;100 To 250, Add</i>	0.86	
			<i>For &gt;250 To 500, Add</i>	0.37	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.27	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.42	
			<i>For &gt;30,000, Deduct</i>	-0.56	
09 01 90 52-0026	SF		Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation.....	4.82	
			<i>For Up To 100, Add</i>	3.08	
			<i>For &gt;100 To 250, Add</i>	1.44	
			<i>For &gt;250 To 500, Add</i>	0.62	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.45	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.70	
			<i>For &gt;30,000, Deduct</i>	-0.93	
09 01 90 52-0027	SF		Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	3.66	
			<i>For Up To 100, Add</i>	2.31	
			<i>For &gt;100 To 250, Add</i>	1.08	
			<i>For &gt;250 To 500, Add</i>	0.46	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.34	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.53	
			<i>For &gt;30,000, Deduct</i>	-0.70	
09 01 90 52-0028	SF		Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	4.53	
			<i>For Up To 100, Add</i>	2.84	
			<i>For &gt;100 To 250, Add</i>	1.33	
			<i>For &gt;250 To 500, Add</i>	0.57	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.42	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.66	
			<i>For &gt;30,000, Deduct</i>	-0.87	
09 01 90 52-0029	SF		Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation.....	5.88	
			<i>For Up To 100, Add</i>	3.70	
			<i>For &gt;100 To 250, Add</i>	1.73	
			<i>For &gt;250 To 500, Add</i>	0.74	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.28	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.55	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-0.85	
			<i>For &gt;30,000, Deduct</i>	-1.13	
09 01 90 52-0030	SF		Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation.....	7.35	
			<i>For Up To 100, Add</i>	4.62	
			<i>For &gt;100 To 250, Add</i>	2.16	
			<i>For &gt;250 To 500, Add</i>	0.92	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.34	
			<i>For &gt;10,000 To 15,000, Deduct</i>	-0.69	
			<i>For &gt;15,000 To 30,000, Deduct</i>	-1.07	
			<i>For &gt;30,000, Deduct</i>	-1.41	

09 01 90 52-0031 Tile Surfaces, Surface Preparation (09 01 90 52-0001)

**09 Finishes**

**09 01 Maintenance of Finishes**

**09 01 90 Maintenance of Painting and Coating**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 01 90 52-0032	SF Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation.....	0.52	
	For Up To 100, Add	0.38	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.08	
	For >30,000, Deduct	-0.10	
09 01 90 52-0033	CSF Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation .....	51.89	
	For Up To 100, Add	38.64	
	For >100 To 250, Add	18.03	
	For >250 To 500, Add	7.73	
	For >5,000 To 10,000, Deduct	-2.59	
	For >10,000 To 15,000, Deduct	-5.17	
	For >15,000 To 30,000, Deduct	-7.77	
	For >30,000, Deduct	-10.36	
09 01 90 52-0034	SF 2,000 To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation.....	0.49	
	For Up To 100, Add	0.32	
	For >100 To 250, Add	0.15	
	For >250 To 500, Add	0.06	
	For >5,000 To 10,000, Deduct	-0.02	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.07	
	For >30,000, Deduct	-0.09	
<b>09 01 90 52-0035 Wood Surfaces, Surface Preparation (09 01 90 52-0001)</b>			
09 01 90 52-0036	SF Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening .....	1.80	
	For Up To 100, Add	1.28	
	For >100 To 250, Add	0.60	
	For >250 To 500, Add	0.26	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 15,000, Deduct	-0.18	
	For >15,000 To 30,000, Deduct	-0.27	
	For >30,000, Deduct	-0.36	
09 01 90 52-0037	SF Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation .....	0.54	
	For Up To 100, Add	0.39	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.05	
	For >15,000 To 30,000, Deduct	-0.08	
	For >30,000, Deduct	-0.11	
09 01 90 52-0038	SF Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation.....	0.78	
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.21	
	For >250 To 500, Add	0.09	
	For >5,000 To 10,000, Deduct	-0.04	
	For >10,000 To 15,000, Deduct	-0.07	
	For >15,000 To 30,000, Deduct	-0.11	
	For >30,000, Deduct	-0.15	
09 01 90 52-0039	SF Hand Scrape Wood Surfaces, Surface Preparation.....	1.19	
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >5,000 To 10,000, Deduct	-0.06	
	For >10,000 To 15,000, Deduct	-0.12	
	For >15,000 To 30,000, Deduct	-0.18	
	For >30,000, Deduct	-0.24	
09 01 90 52-0040	SF Steam Clean Wood Surfaces, Surface Preparation.....	1.08	
	For Up To 100, Add	0.69	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 15,000, Deduct	-0.10	
	For >15,000 To 30,000, Deduct	-0.16	
	For >30,000, Deduct	-0.21	
09 01 90 52-0041	SF 2,000 To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation .....	0.73	
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.09	
	For >5,000 To 10,000, Deduct	-0.03	
	For >10,000 To 15,000, Deduct	-0.07	
	For >15,000 To 30,000, Deduct	-0.11	
	For >30,000, Deduct	-0.14	
09 01 90 52-0042	SF Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation .....	1.08	
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >5,000 To 10,000, Deduct	-0.05	
	For >10,000 To 15,000, Deduct	-0.10	
	For >15,000 To 30,000, Deduct	-0.16	
	For >30,000, Deduct	-0.21	
09 01 90 52-0043	SF Sanding Wood Trim Surfaces, Surface Preparation .....	1.45	
	For Up To 100, Add	1.03	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >5,000 To 10,000, Deduct	-0.07	
	For >10,000 To 15,000, Deduct	-0.14	
	For >15,000 To 30,000, Deduct	-0.22	
	For >30,000, Deduct	-0.29	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	0.95	
		For Up To 100, Add	0.61	
		For >100 To 250, Add	0.28	
		For >250 To 500, Add	0.12	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.09	
		For >15,000 To 30,000, Deduct	-0.14	
		For >30,000, Deduct	-0.18	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation.....	1.11	
		For Up To 100, Add	0.73	
		For >100 To 250, Add	0.34	
		For >250 To 500, Add	0.15	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 15,000, Deduct	-0.11	
		For >15,000 To 30,000, Deduct	-0.16	
		For >30,000, Deduct	-0.22	
<b>09 01 90 52-0046</b>		<b>Vinyl Siding Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation.....	0.52	
		For Up To 100, Add	0.38	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.05	
		For >15,000 To 30,000, Deduct	-0.08	
		For >30,000, Deduct	-0.10	
09 01 90 52-0048	SF	Hand Wash, Vinyl Siding Surfaces, Surface Preparation .....	0.82	
		For Up To 100, Add	0.59	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.08	
		For >15,000 To 30,000, Deduct	-0.12	
		For >30,000, Deduct	-0.16	
09 01 90 52-0049	SF	2,000 To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation.....	0.60	
		For Up To 100, Add	0.36	
		For >100 To 250, Add	0.17	
		For >250 To 500, Add	0.07	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.06	
		For >15,000 To 30,000, Deduct	-0.09	
		For >30,000, Deduct	-0.11	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation .....	1.13	
		For Up To 100, Add	0.69	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
		For >5,000 To 10,000, Deduct	-0.05	
		For >10,000 To 15,000, Deduct	-0.10	
		For >15,000 To 30,000, Deduct	-0.16	
		For >30,000, Deduct	-0.22	
<b>09 01 90 52-0051</b>		<b>Plaster/Stucco Surfaces, Surface Preparation</b> (09 01 90 52-0001)		
		Note: Based on total project quantity.		
09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation .....	0.60	
		For Up To 100, Add	0.44	
		For >100 To 250, Add	0.20	
		For >250 To 500, Add	0.09	
		For >5,000 To 10,000, Deduct	-0.03	
		For >10,000 To 15,000, Deduct	-0.06	
		For >15,000 To 30,000, Deduct	-0.09	
		For >30,000, Deduct	-0.12	
09 01 90 52-0053	SF	2,000 To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation.....	0.79	
		For Up To 100, Add	0.49	
		For >100 To 250, Add	0.23	
		For >250 To 500, Add	0.10	
		For >5,000 To 10,000, Deduct	-0.04	
		For >10,000 To 15,000, Deduct	-0.07	
		For >15,000 To 30,000, Deduct	-0.11	
		For >30,000, Deduct	-0.15	
<b>09 01 90 52-0054</b>		<b>Prep Work</b> (09 01 90 52-0001)		
09 01 90 52-0055	SF	Citrus Strip, Single Applications.....	1.41	
		Note: For removal of up to 40 mils each application (average 5 layers at 8 mils per layer) dried latex and oil-based paint, varnish, lacquer, polyurethane and shellac from wood, metal, and masonry surfaces. Multiple applications may be necessary, refer to manufacturer recommendations		
<b>09 01 90 91</b>		<b>Paint Restoration</b> (09 01 90)		
09 01 90 91-0001		<b>Paint Removal, Strip To Bare Wood</b> (09 01 90 91)		
09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood.....	9.46	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood .....	10.08	

**09 20 Plaster and Gypsum Board** (09)



**09 Finishes**  
**09 20 Plaster and Gypsum Board**  
**09 21 Plaster and Gypsum Board Assemblies**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**09 21 Plaster and Gypsum Board Assemblies** (09 20)

09 21 00 00-0001	Interior Partition Wall Assembly (09 21)		
09 21 00 00-0002	SF Interior Partition Wall Assembly, Metal Studs With Tracks And Runners.....	24.65	4.33
	Note: Includes 18 gauge 3-5/8" metal studs 16" on center with tracks, runners, and channel, one layer 5/8" drywall on each side, level 4 finish, one primer coat and two finish coats of latex paint.		
	For Curved Wall, Add	5.29	

**09 22 Supports for Plaster and Gypsum Board** (09 20)

**09 22 13 Metal Furring** (09 22)

**09 22 13 13 Metal Channel Furring** (09 22 13)

09 22 13 13-0001	Hat Furring Channel (09 22 13 13)		
	Note: Includes clips where required.		
09 22 13 13-0002	Installed On Walls, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0003	SF 7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	5.11	2.01
	For Walls >10' High, Add	0.60	
	For 24" On Center, Deduct	-0.62	
	For 12" On Center, Add	0.82	
	For 22 Gauge, Add	0.84	
	For 20 Gauge, Add	1.32	
09 22 13 13-0004	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel .....	5.54	2.01
	For Walls >10' High, Add	0.60	
	For 24" On Center, Deduct	-0.71	
	For 12" On Center, Add	0.91	
	For 22 Gauge, Add	1.06	
	For 20 Gauge, Add	1.60	
09 22 13 13-0005	Installed On Columns And Beams, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0006	SF 7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	7.29	3.10
	For Columns And Beams >10' High, Add	1.24	
	For 24" On Center, Deduct	-0.84	
	For 12" On Center, Add	1.15	
	For 22 Gauge, Add	1.01	
	For 20 Gauge, Add	1.65	
09 22 13 13-0007	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel .....	7.72	3.10
	For Columns And Beams >10' High, Add	1.24	
	For 24" On Center, Deduct	-0.92	
	For 12" On Center, Add	1.23	
	For 22 Gauge, Add	1.23	
	For 20 Gauge, Add	1.93	
09 22 13 13-0008	Installed On Ceilings, Hat Furring Channel (09 22 13 13-0001)		
09 22 13 13-0009	SF 7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	6.75	2.48
	For Ceilings >10' High, Add	0.74	
	For 24" On Center, Deduct	-0.86	
	For 12" On Center, Add	1.10	
	For 22 Gauge, Add	1.27	
	For 20 Gauge, Add	1.93	
09 22 13 13-0010	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel .....	7.18	2.48
	For Ceilings >10' High, Add	0.74	
	For 24" On Center, Deduct	-0.94	
	For 12" On Center, Add	1.19	
	For 22 Gauge, Add	1.49	
	For 20 Gauge, Add	2.21	
09 22 13 13-0011	Z Furring Channel (09 22 13 13)		
09 22 13 13-0012	Installed On Walls, Z Furring Channel (09 22 13 13-0011)		
09 22 13 13-0013	SF 1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	4.35	2.01
	For Walls >10' High, Add	0.60	
	For 24" On Center, Deduct	-0.47	
	For 12" On Center, Add	0.67	
	For 22 Gauge, Add	0.46	
	For 20 Gauge, Add	0.82	
09 22 13 13-0014	SF 1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel .....	4.41	2.01
	For Walls >10' High, Add	0.60	
	For 24" On Center, Deduct	-0.48	
	For 12" On Center, Add	0.68	
	For 22 Gauge, Add	0.49	
	For 20 Gauge, Add	0.86	
09 22 13 13-0015	SF 2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel.....	4.47	2.01
	For Walls >10' High, Add	0.60	
	For 24" On Center, Deduct	-0.49	
	For 12" On Center, Add	0.69	
	For 22 Gauge, Add	0.52	
	For 20 Gauge, Add	0.89	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 22 13 13-0016	SF		2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel ..... <i>For Walls &gt;10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	4.52 0.60 -0.50 0.70 0.55 0.93	2.01
	09 22 13 13-0017	SF		3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel ..... <i>For Walls &gt;10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 22 Gauge, Add</i> <i>For 20 Gauge, Add</i>	4.56 0.60 -0.51 0.71 0.57 0.95	2.01
	<b>09 22 13 23 Resilient Channel Furring</b> (09 22 13)					
	09 22 13 23-0001			Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23) Note: Includes clips where required.		
	09 22 13 23-0002			Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)		
	09 22 13 23-0003	SF		25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel..... <i>For Walls &gt;10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	4.72 0.60 -0.54 0.74 1.06	2.01
	09 22 13 23-0004			Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel (09 22 13 23-0001)		
	09 22 13 23-0005	SF		25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel..... <i>For Ceilings &gt;10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	5.64 0.74 -0.63 0.88 1.20	2.48
	09 22 13 23-0006			Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23) Note: Includes clips where required.		
	09 22 13 23-0007			Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)		
	09 22 13 23-0008	SF		25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel ..... <i>For Walls &gt;10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	4.97 0.60 -0.59 0.79 1.22	2.01
	09 22 13 23-0009			Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel (09 22 13 23-0006)		
	09 22 13 23-0010	SF		25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel ..... <i>For Ceilings &gt;10' High, Add</i> <i>For 24" On Center, Deduct</i> <i>For 12" On Center, Add</i> <i>For 20 Gauge, Add</i>	5.89 0.74 -0.68 0.93 1.36	2.48
	<b>09 22 16 Non-Structural Metal Framing</b> (09 22)					
	Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.					
	<b>09 22 16 13 Non-Structural Metal Stud Framing</b> (09 22 16)					
	09 22 16 13-0001			25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)		
	09 22 16 13-0002	SF		1-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners..... <i>For Powder-Actuated Fasteners Every 2', Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Soffit, Columns Or Beams Up To 10' High, Add</i> <i>For Soffit, Columns Or Beams &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Curved Wall, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 300, Add</i>	3.28 0.07 0.66 2.00 2.63 0.64 0.85 0.63 0.55 -0.55 1.07 0.54	0.85
	09 22 16 13-0003	SF		2-1/2" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners..... <i>For Powder-Actuated Fasteners Every 2', Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Soffit, Columns Or Beams Up To 10' High, Add</i> <i>For Soffit, Columns Or Beams &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Curved Wall, Add</i> <i>For 12" On Center, Add</i> <i>For 24" On Center, Deduct</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 300, Add</i>	3.53 0.07 0.71 2.11 2.77 0.68 0.90 0.66 0.60 -0.60 1.15 0.57	0.88

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.84		0.92
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	0.77		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.23		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.93		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.73		
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.96		
		<i>For Curved Wall, Add</i>	0.69		
		<i>For 12" On Center, Add</i>	0.65		
		<i>For 24" On Center, Deduct</i>	-0.65		
		<i>For Up To 100, Add</i>	1.23		
		<i>For &gt;100 To 300, Add</i>	0.62		
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.11		0.97
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	0.82		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.35		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.07		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.77		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.02		
		<i>For Curved Wall, Add</i>	0.73		
		<i>For 12" On Center, Add</i>	0.70		
		<i>For 24" On Center, Deduct</i>	-0.70		
		<i>For Up To 100, Add</i>	1.31		
		<i>For &gt;100 To 300, Add</i>	0.65		
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.61		1.02
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	0.92		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.49		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.26		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.84		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.10		
		<i>For Curved Wall, Add</i>	0.76		
		<i>For 12" On Center, Add</i>	0.80		
		<i>For 24" On Center, Deduct</i>	-0.80		
		<i>For Up To 100, Add</i>	1.43		
		<i>For &gt;100 To 300, Add</i>	0.72		
09 22 16 13-0007		<b>20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners</b>			
		<small>(09 22 16 13)</small>			
09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.74		0.86
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	0.75		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.09		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.74		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.70		
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.91		
		<i>For Curved Wall, Add</i>	0.65		
		<i>For 12" On Center, Add</i>	0.64		
		<i>For 24" On Center, Deduct</i>	-0.64		
		<i>For Up To 100, Add</i>	1.18		
		<i>For &gt;100 To 300, Add</i>	0.59		
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.12		0.91
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	0.82		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.22		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	2.90		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.75		
		<i>For Horizontal Installation &gt;10' High, Add</i>	0.98		
		<i>For Curved Wall, Add</i>	0.68		
		<i>For 12" On Center, Add</i>	0.71		
		<i>For 24" On Center, Deduct</i>	-0.71		
		<i>For Up To 100, Add</i>	1.28		
		<i>For &gt;100 To 300, Add</i>	0.64		
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.57		0.95
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	0.91		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.35		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.06		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.81		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.05		
		<i>For Curved Wall, Add</i>	0.71		
		<i>For 12" On Center, Add</i>	0.80		
		<i>For 24" On Center, Deduct</i>	-0.80		
		<i>For Up To 100, Add</i>	1.39		
		<i>For &gt;100 To 300, Add</i>	0.69		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 16 13-0011	SF			4" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural Structural, Galvanized Steel Framing With Tracks And Runners.....	4.87	0.99
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls &gt;10' High, Add</i>	0.97	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.47	
				<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.22	
				<i>For Horizontal Installation Up To 10' High, Add</i>	0.86	
				<i>For Horizontal Installation &gt;10' High, Add</i>	1.11	
				<i>For Curved Wall, Add</i>	0.74	
				<i>For 12" On Center, Add</i>	0.85	
				<i>For 24" On Center, Deduct</i>	-0.85	
				<i>For Up To 100, Add</i>	1.47	
				<i>For &gt;100 To 300, Add</i>	0.74	
09 22 16 13-0012	SF			6" Width, 16" On Center, 20 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.89	1.04
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls &gt;10' High, Add</i>	1.38	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.78	
				<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.56	
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.08	
				<i>For Horizontal Installation &gt;10' High, Add</i>	1.34	
				<i>For Curved Wall, Add</i>	0.78	
				<i>For 12" On Center, Add</i>	1.25	
				<i>For 24" On Center, Deduct</i>	-1.25	
				<i>For Up To 100, Add</i>	1.90	
				<i>For &gt;100 To 300, Add</i>	0.95	

**09 22 16 13-0013 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)**

09 22 16 13-0014	SF			2-1/2" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	5.80	0.92
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls &gt;10' High, Add</i>	1.16	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.43	
				<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.12	
				<i>For Horizontal Installation Up To 10' High, Add</i>	0.93	
				<i>For Horizontal Installation &gt;10' High, Add</i>	1.16	
				<i>For Curved Wall, Add</i>	0.69	
				<i>For 12" On Center, Add</i>	1.04	
				<i>For 24" On Center, Deduct</i>	-1.04	
				<i>For Up To 100, Add</i>	1.62	
				<i>For &gt;100 To 300, Add</i>	0.81	
09 22 16 13-0015	SF			3-5/8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.42	0.97
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls &gt;10' High, Add</i>	1.28	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.59	
				<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.32	
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.01	
				<i>For Horizontal Installation &gt;10' High, Add</i>	1.25	
				<i>For Curved Wall, Add</i>	0.73	
				<i>For 12" On Center, Add</i>	1.16	
				<i>For 24" On Center, Deduct</i>	-1.16	
				<i>For Up To 100, Add</i>	1.77	
				<i>For &gt;100 To 300, Add</i>	0.89	
09 22 16 13-0016	SF			4" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.90	1.02
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls &gt;10' High, Add</i>	1.38	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.72	
				<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.48	
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.07	
				<i>For Horizontal Installation &gt;10' High, Add</i>	1.33	
				<i>For Curved Wall, Add</i>	0.76	
				<i>For 12" On Center, Add</i>	1.25	
				<i>For 24" On Center, Deduct</i>	-1.25	
				<i>For Up To 100, Add</i>	1.89	
				<i>For &gt;100 To 300, Add</i>	0.94	
09 22 16 13-0017	SF			6" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.10	1.07
				<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07	
				<i>For Walls &gt;10' High, Add</i>	1.82	
				<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.05	
				<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.86	
				<i>For Horizontal Installation Up To 10' High, Add</i>	1.31	
				<i>For Horizontal Installation &gt;10' High, Add</i>	1.58	
				<i>For Curved Wall, Add</i>	0.80	
				<i>For 12" On Center, Add</i>	1.69	
				<i>For 24" On Center, Deduct</i>	-1.69	
				<i>For Up To 100, Add</i>	2.36	
				<i>For &gt;100 To 300, Add</i>	1.18	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.91		1.13
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	1.98		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.23		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	4.07		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.41		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.69		
		<i>For Curved Wall, Add</i>	0.84		
		<i>For 12" On Center, Add</i>	1.84		
		<i>For 24" On Center, Deduct</i>	-1.84		
		<i>For Up To 100, Add</i>	2.54		
		<i>For &gt;100 To 300, Add</i>	1.27		
<b>09 22 16 13-0019</b>		<b>16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners (09 22 16 13)</b>			
09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	6.17		0.95
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	1.23		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.51		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.22		
		<i>For Horizontal Installation Up To 10' High, Add</i>	0.97		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.21		
		<i>For Curved Wall, Add</i>	0.71		
		<i>For 12" On Center, Add</i>	1.12		
		<i>For 24" On Center, Deduct</i>	-1.12		
		<i>For Up To 100, Add</i>	1.71		
		<i>For &gt;100 To 300, Add</i>	0.85		
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.29		0.99
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	1.46		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.71		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.46		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.10		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.35		
		<i>For Curved Wall, Add</i>	0.74		
		<i>For 12" On Center, Add</i>	1.33		
		<i>For 24" On Center, Deduct</i>	-1.33		
		<i>For Up To 100, Add</i>	1.95		
		<i>For &gt;100 To 300, Add</i>	0.98		
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	7.72		1.04
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	1.54		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	2.86		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	3.64		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.16		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.42		
		<i>For Curved Wall, Add</i>	0.78		
		<i>For 12" On Center, Add</i>	1.41		
		<i>For 24" On Center, Deduct</i>	-1.41		
		<i>For Up To 100, Add</i>	2.07		
		<i>For &gt;100 To 300, Add</i>	1.03		
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	9.83		1.09
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	1.97		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.18		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	4.00		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.39		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.67		
		<i>For Curved Wall, Add</i>	0.82		
		<i>For 12" On Center, Add</i>	1.83		
		<i>For 24" On Center, Deduct</i>	-1.83		
		<i>For Up To 100, Add</i>	2.51		
		<i>For &gt;100 To 300, Add</i>	1.26		
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non-Load Bearing, Non-Structural, Galvanized Steel Stud Framing With Tracks And Runners.....	10.85		1.15
		<i>For Powder-Actuated Fasteners Every 2', Add</i>	0.07		
		<i>For Walls &gt;10' High, Add</i>	2.17		
		<i>For Soffit, Columns Or Beams Up To 10' High, Add</i>	3.39		
		<i>For Soffit, Columns Or Beams &gt;10' High, Add</i>	4.25		
		<i>For Horizontal Installation Up To 10' High, Add</i>	1.52		
		<i>For Horizontal Installation &gt;10' High, Add</i>	1.81		
		<i>For Curved Wall, Add</i>	0.86		
		<i>For 12" On Center, Add</i>	2.03		
		<i>For 24" On Center, Deduct</i>	-2.03		
		<i>For Up To 100, Add</i>	2.75		
		<i>For &gt;100 To 300, Add</i>	1.37		

**09 22 26 Suspension Systems (09 22)**

**09 22 26 23 Metal Suspension Systems (09 22 26)**

**09 22 26 23-0001 Suspended Ceiling Support System (09 22 26 23)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 22 26 23-0002	SF		Suspended Ceiling Support System, 1-1/2" Main, 48" On Center With 3/4" Furred Channel, 12" On Center With Clips And Rods.....	5.38	1.49
			<i>For Ceilings &gt;10' High, Add</i>	0.50	
09 22 26 23-0003	SF		Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1" x 1/8" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center.....	5.84	1.49
			<i>For Ceilings &gt;10' High, Add</i>	0.67	
09 22 26 23-0004	SF		Acoustical Lay-In Tile Suspended Ceiling Support System, 1-1/2" x 3/4" Steel Channel Mains, 48" On Center Suspended By 1/4" Threaded Rod And 3" x 3" x 3/16" Steel Angles 4' On Center (GAT System).....	5.66	1.49
			<i>For Ceilings &gt;10' High, Add</i>	0.67	
09 22 26 23-0005	SF		Aluminum Metal Pan Suspended Ceiling Support System, 1-1/2" x 3/4" Galvanized Steel Channel Mains, 48" On Center Suspended By 1" x 3/16" Flat Steel Bars And 3" x 3" x 3/16" Steel Angles 4' On Center.....	6.44	1.49
			<i>For Ceilings &gt;10' High, Add</i>	0.69	

**09 22 36 Lath** (09 22)

**09 22 36 13 Gypsum Lath** (09 22 36)

**09 22 36 13-0001 Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0002	SF		3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	1.67	0.55
			<i>For Walls &gt;10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.56	
			<i>For &gt;100 To 500, Add</i>	0.28	
			<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0003	SF		1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.31	0.64
			<i>For Walls &gt;10' High, Add</i>	0.16	
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 500, Add</i>	0.32	
			<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0004	SF		5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel.....	2.95	0.75
			<i>For Walls &gt;10' High, Add</i>	0.18	
			<i>For Up To 100, Add</i>	0.74	
			<i>For &gt;100 To 500, Add</i>	0.37	
			<i>For &gt;5,000, Deduct</i>	-0.15	
09 22 36 13-0005	SF		3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.11	0.79
			<i>For Ceilings &gt;10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.78	
			<i>For &gt;100 To 500, Add</i>	0.39	
			<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 13-0006	SF		1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	2.82	0.91
			<i>For Ceilings &gt;10' High, Add</i>	0.27	
			<i>For Up To 100, Add</i>	0.90	
			<i>For &gt;100 To 500, Add</i>	0.45	
			<i>For &gt;5,000, Deduct</i>	-0.18	
09 22 36 13-0007	SF		5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel.....	3.54	1.04
			<i>For Ceilings &gt;10' High, Add</i>	0.31	
			<i>For Up To 100, Add</i>	1.03	
			<i>For &gt;100 To 500, Add</i>	0.52	
			<i>For &gt;5,000, Deduct</i>	-0.21	
09 22 36 13-0008	SF		3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	2.55	1.01
			<i>For Columns And Beams &gt;10' High, Add</i>	0.30	
			<i>For Up To 100, Add</i>	1.00	
			<i>For &gt;100 To 500, Add</i>	0.50	
			<i>For &gt;5,000, Deduct</i>	-0.20	
09 22 36 13-0009	SF		1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	3.34	1.16
			<i>For Columns And Beams &gt;10' High, Add</i>	0.35	
			<i>For Up To 100, Add</i>	1.16	
			<i>For &gt;100 To 500, Add</i>	0.58	
			<i>For &gt;5,000, Deduct</i>	-0.23	
09 22 36 13-0010	SF		5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel.....	4.14	1.34
			<i>For Columns And Beams &gt;10' High, Add</i>	0.40	
			<i>For Up To 100, Add</i>	1.33	
			<i>For &gt;100 To 500, Add</i>	0.67	
			<i>For &gt;5,000, Deduct</i>	-0.27	

**09 22 36 13-0011 Firestop Plaster Base Gypsum Panels** (09 22 36 13)

09 22 36 13-0012	SF		3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.34	0.55
			<i>For Walls &gt;10' High, Add</i>	0.14	
			<i>For Up To 100, Add</i>	0.56	
			<i>For &gt;100 To 500, Add</i>	0.28	
			<i>For &gt;5,000, Deduct</i>	-0.11	
09 22 36 13-0013	SF		1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel.....	2.72	0.64
			<i>For Walls &gt;10' High, Add</i>	0.16	
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 500, Add</i>	0.32	
			<i>For &gt;5,000, Deduct</i>	-0.13	
09 22 36 13-0014	SF		3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	2.78	0.79
			<i>For Ceilings &gt;10' High, Add</i>	0.23	
			<i>For Up To 100, Add</i>	0.78	
			<i>For &gt;100 To 500, Add</i>	0.39	
			<i>For &gt;5,000, Deduct</i>	-0.16	
09 22 36 13-0015	SF		1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel.....	3.23	0.91
			<i>For Ceilings &gt;10' High, Add</i>	0.27	
			<i>For Up To 100, Add</i>	0.90	
			<i>For &gt;100 To 500, Add</i>	0.45	
			<i>For &gt;5,000, Deduct</i>	-0.18	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0016	SF		3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.22 0.30 1.00 0.50 -0.20	1.01
09 22 36 13-0017	SF		1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.75 0.35 1.16 0.58 -0.23	1.16
<b>09 22 36 13-0018</b>			<b>Foil Back Plaster Base Gypsum Panels</b> (09 22 36 13)		
09 22 36 13-0019	SF		3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel..... <i>For Walls &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.34 0.14 0.56 0.28 -0.11	0.55
09 22 36 13-0020	SF		1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel..... <i>For Walls &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.72 0.16 0.65 0.32 -0.13	0.64
09 22 36 13-0021	SF		3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.78 0.23 0.78 0.39 -0.16	0.79
09 22 36 13-0022	SF		1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.23 0.27 0.90 0.45 -0.18	0.91
09 22 36 13-0023	SF		3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.22 0.30 1.00 0.50 -0.20	1.01
09 22 36 13-0024	SF		1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.75 0.35 1.16 0.58 -0.23	1.16
<b>09 22 36 23</b>			<b>Metal Lath</b> (09 22 36)		
<b>09 22 36 23-0001</b>			<b>Flat Diamond, Expanded Metal Lath</b> (09 22 36 23)		
09 22 36 23-0002	SF		1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.72 0.22 0.06 0.86 0.43 -0.17	0.78
09 22 36 23-0003	SF		2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.85 0.22 0.06 0.86 0.43 -0.17	0.78
09 22 36 23-0004	SF		2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.98 0.22 0.06 0.86 0.43 -0.17	0.78
09 22 36 23-0005	SF		3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.43 0.23 0.06 0.92 0.46 -0.18	0.83
09 22 36 23-0006	SF		1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath..... <i>For Ceilings &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.96 0.29 0.06 0.98 0.49 -0.20	0.89
09 22 36 23-0007	SF		2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath..... <i>For Ceilings &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.09 0.29 0.06 0.98 0.49 -0.20	0.89
09 22 36 23-0008	SF		2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath..... <i>For Ceilings &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.22 0.29 0.06 0.98 0.49 -0.20	0.89

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 22 36 23-0009	SF		3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath..... <i>For Ceilings &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.56 0.29 0.06 0.98 0.49 -0.20	0.89
	09 22 36 23-0010	SF		1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.91 0.41 0.06 1.38 0.69 -0.28	1.24
	09 22 36 23-0011	SF		2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.04 0.41 0.06 1.38 0.69 -0.28	1.24
	09 22 36 23-0012	SF		2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.18 0.41 0.06 1.38 0.69 -0.28	1.24
	09 22 36 23-0013	SF		3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	5.19 0.52 0.06 1.72 0.86 -0.34	1.56
	<b>09 22 36 23-0014</b>			<b>Self Furring, Flat Diamond, Expanded Metal Lath</b> <small>(09 22 36 23)</small>		
	09 22 36 23-0015	SF		1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.83 0.23 0.06 0.92 0.46 -0.18	0.83
	09 22 36 23-0016	SF		2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	2.96 0.23 0.06 0.92 0.46 -0.18	0.83
	09 22 36 23-0017	SF		2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.09 0.23 0.06 0.92 0.46 -0.18	0.83
	09 22 36 23-0018	SF		3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Walls &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.43 0.23 0.06 0.92 0.46 -0.18	0.83
	09 22 36 23-0019	SF		1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.59 0.52 0.06 1.72 0.86 -0.34	1.56
	09 22 36 23-0020	SF		2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.72 0.52 0.06 1.72 0.86 -0.34	1.56
	09 22 36 23-0021	SF		2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	4.86 0.52 0.06 1.72 0.86 -0.34	1.56
	09 22 36 23-0022	SF		3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath..... <i>For Columns And Beams &gt;10' High, Add</i> <i>For Paper Backed Lath, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	5.69 0.59 0.06 1.97 0.99 -0.39	1.77
	<b>09 22 36 23-0023</b>			<b>High Rib Metal Lath</b> <small>(09 22 36 23)</small>		
	09 22 36 23-0024	SF		2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.33 0.29 0.98 0.49 -0.20	0.89

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 22 Supports for Plaster and Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 22 36 23-0025	SF 3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.52 0.29 0.98 0.49 -0.20	0.89
09 22 36 23-0026	SF 3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.64 0.29 0.98 0.49 -0.20	0.89
09 22 36 23-0027	SF 4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.85 0.29 0.98 0.49 -0.20	0.89

**09 22 36 33 Fiberglass Lath** (09 22 36)

**09 22 36 33-0001 Non-Metallic, Fiberglass Lath** (09 22 36 33)

09 22 36 33-0002	SF 1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.63 0.29 0.98 0.49 -0.20	0.89
09 22 36 33-0003	SF 1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath ..... <i>For Ceilings &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.88 0.29 0.98 0.49 -0.20	0.89
09 22 36 33-0004	SF 1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.50 0.23 0.92 0.46 -0.18	0.83
09 22 36 33-0005	SF 1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath ..... <i>For Walls &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	3.75 0.23 0.92 0.46 -0.18	0.83

**09 23 Gypsum Plastering** (09 20)

**09 23 13 Acoustical Gypsum Plastering** (09 23)

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

**09 23 13 00-0001 Casing And Corner Beads** (09 23 13)

09 23 13 00-0002	LF Galvanized Expanded Flange Casing Bead For Plaster Applications.....	5.12	1.24
09 23 13 00-0003	LF Zinc Expanded Flange Casing Bead For Plaster Applications.....	5.13	1.24
09 23 13 00-0004	LF Vinyl Expanded Flange Casing Bead For Plaster Applications.....	5.04	1.24
09 23 13 00-0005	LF Galvanized Corner Bead For Plaster Applications.....	4.92	1.24
09 23 13 00-0006	LF Vinyl Corner Bead For Plaster Applications.....	4.79	1.24

**09 23 13 00-0007 Trim** (09 23 13)

09 23 13 00-0008	LF Galvanized "J" Trim For Plaster Applications..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	5.39 0.29 1.92	1.24
09 23 13 00-0009	LF Galvanized "L" Trim For Plaster Applications..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	5.39 0.29 1.92	1.24
09 23 13 00-0010	LF Galvanized "U" Trim For Plaster Applications..... <i>For Vinyl Instead Of Galvanized, Add</i> <i>For Zinc Instead Of Galvanized, Add</i>	5.39 0.29 1.92	1.24

**09 23 13 00-0011 Plaster Forms And Expansion Joints** (09 23 13)

09 23 13 00-0012	LF 3/4" Galvanized Expansion Joint For Plaster Applications.....	6.04	1.24
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**09 23 13 00-0013 One Skim Coat Gypsum Plaster On Walls** (09 23 13)

09 23 13 00-0014	SF Skim Coat One Coat Gypsum Plaster On Walls ..... <i>For Walls &gt;10' High, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Columns Or Beams Up To 10' High, Add</i> <i>For Columns Or Beams &gt;10' High, Add</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 500, Add</i> <i>For &gt;5,000, Deduct</i>	1.34 0.11 0.17 0.34 0.35 0.52 0.57 0.28 -0.23	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 23 13 00-0015	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls .....	0.98		
		For Walls >10' High, Add	0.08		
		For Horizontal Installation Up To 10' High, Add	0.12		
		For Horizontal Installation >10' High, Add	0.25		
		For Columns Or Beams Up To 10' High, Add	0.25		
		For Columns Or Beams >10' High, Add	0.38		
		For Up To 100, Add	0.41		
		For >100 To 500, Add	0.21		
		For >5,000, Deduct	-0.16		

**09 23 13 00-0016 Two Coats Gypsum Plaster On Walls** (09 23 13)

09 23 13 00-0017	SF	Smooth Finish Two Coats Gypsum Plaster On Walls.....	6.64		3.80
		For Walls >10' High, Add	0.63		
		For Horizontal Installation Up To 10' High, Add	0.94		
		For Horizontal Installation >10' High, Add	1.88		
		For Columns Or Beams Up To 10' High, Add	1.94		
		For Columns Or Beams >10' High, Add	2.88		
		For Up To 100, Add	3.13		
		For >100 To 500, Add	1.56		
		For >5,000, Deduct	-1.25		

09 23 13 00-0018	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls.....	6.70		3.58
		For Walls >10' High, Add	0.59		
		For Horizontal Installation Up To 10' High, Add	0.88		
		For Horizontal Installation >10' High, Add	1.76		
		For Columns Or Beams Up To 10' High, Add	1.82		
		For Columns Or Beams >10' High, Add	2.70		
		For Up To 100, Add	2.93		
		For >100 To 500, Add	1.47		
		For >5,000, Deduct	-1.17		

09 23 13 00-0019	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls.....	6.88		3.58
		For Walls >10' High, Add	0.59		
		For Horizontal Installation Up To 10' High, Add	0.88		
		For Horizontal Installation >10' High, Add	1.76		
		For Columns Or Beams Up To 10' High, Add	1.82		
		For Columns Or Beams >10' High, Add	2.70		
		For Up To 100, Add	2.93		
		For >100 To 500, Add	1.47		
		For >5,000, Deduct	-1.17		

**09 23 13 00-0020 Three Coats Gypsum Plaster On Walls** (09 23 13)

09 23 13 00-0021	SF	Smooth Finish Three Coats Gypsum Plaster On Walls .....	8.03		4.62
		For Walls >10' High, Add	0.75		
		For Horizontal Installation Up To 10' High, Add	1.12		
		For Horizontal Installation >10' High, Add	2.24		
		For Columns Or Beams Up To 10' High, Add	2.32		
		For Columns Or Beams >10' High, Add	3.44		
		For Up To 100, Add	3.74		
		For >100 To 500, Add	1.87		
		For >5,000, Deduct	-1.49		

09 23 13 00-0022	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls .....	7.95		4.20
		For Walls >10' High, Add	0.69		
		For Horizontal Installation Up To 10' High, Add	1.04		
		For Horizontal Installation >10' High, Add	2.08		
		For Columns Or Beams Up To 10' High, Add	2.15		
		For Columns Or Beams >10' High, Add	3.19		
		For Up To 100, Add	3.47		
		For >100 To 500, Add	1.73		
		For >5,000, Deduct	-1.39		

09 23 13 00-0023	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls .....	7.56		4.20
		For Walls >10' High, Add	0.69		
		For Horizontal Installation Up To 10' High, Add	1.03		
		For Horizontal Installation >10' High, Add	2.07		
		For Columns Or Beams Up To 10' High, Add	2.14		
		For Columns Or Beams >10' High, Add	3.17		
		For Up To 100, Add	3.45		
		For >100 To 500, Add	1.72		
		For >5,000, Deduct	-1.38		

**09 23 13 00-0024 Plaster Bonding Agent** (09 23 13)

09 23 13 00-0025	SF	1 Coat, Brush/Roller Applied Plaster Bonding Agent.....	0.82		
		For Walls >10' High, Add	0.06		
		For Columns Or Beams Up To 10' High, Add	0.18		
		For Columns Or Beams >10' High, Add	0.27		
		For Ceiling Application Up To 10' High, Add	0.08		
		For Ceiling Application >10' High, Add	0.14		

**09 24 Cement Plastering** (09 20)

**09 24 13 Acoustical Cement Plastering** (09 24)

09 24 13 00-0001	Keene's Cement Plaster, Quick Setting, White Hard Plaster				
		Note: Used for areas with higher than normal moisture.			



**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 24 Cement Plastering**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	.....	5.03	2.56
		<i>For Walls &gt;10' High, Add</i>		0.41	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.62	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.23	
		<i>For Columns Or Beams Up To 10' High, Add</i>		1.27	
		<i>For Columns Or Beams &gt;10' High, Add</i>		1.89	
		<i>For Up To 100, Add</i>		2.05	
		<i>For &gt;100 To 500, Add</i>		1.03	
		<i>For &gt;5,000, Deduct</i>		-0.82	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	.....	7.68	4.00
		<i>For Walls &gt;10' High, Add</i>		0.65	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.98	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.95	
		<i>For Columns Or Beams Up To 10' High, Add</i>		2.02	
		<i>For Columns Or Beams &gt;10' High, Add</i>		2.99	
		<i>For Up To 100, Add</i>		3.25	
		<i>For &gt;100 To 500, Add</i>		1.63	
		<i>For &gt;5,000, Deduct</i>		-1.30	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	.....	8.69	4.51
		<i>For Walls &gt;10' High, Add</i>		0.74	
		<i>For Horizontal Installation Up To 10' High, Add</i>		1.10	
		<i>For Horizontal Installation &gt;10' High, Add</i>		2.21	
		<i>For Columns Or Beams Up To 10' High, Add</i>		2.28	
		<i>For Columns Or Beams &gt;10' High, Add</i>		3.38	
		<i>For Up To 100, Add</i>		3.68	
		<i>For &gt;100 To 500, Add</i>		1.84	
		<i>For &gt;5,000, Deduct</i>		-1.47	

**09 24 23 Cement Stucco (09 24)**

Note: All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

**09 24 23 00-0001 Stucco (09 24 23)**

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco	.....	9.80	3.18
		Note: Excludes lath and felt. Interior or exterior, one side.			
		<i>For Walls &gt;10' High, Add</i>		0.87	
		<i>For Horizontal Installation Up To 10' High, Add</i>		1.30	
		<i>For Horizontal Installation &gt;10' High, Add</i>		2.60	
		<i>For Columns Or Beams Up To 10' High, Add</i>		2.69	
		<i>For Columns Or Beams &gt;10' High, Add</i>		3.99	
		<i>For Color Added To Finish Coat, Add</i>		0.15	
		<i>For Smooth Float Finish, Add</i>		1.82	
		<i>For Up To 100, Add</i>		4.34	
		<i>For &gt;100 To 500, Add</i>		2.17	
		<i>For &gt;5,000, Deduct</i>		-1.74	
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco	.....	4.16	1.54
		Note: Excludes lath and felt. Interior or exterior, one side.			
		<i>For Walls &gt;10' High, Add</i>		0.32	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.48	
		<i>For Horizontal Installation &gt;10' High, Add</i>		0.95	
		<i>For Columns Or Beams Up To 10' High, Add</i>		0.99	
		<i>For Columns Or Beams &gt;10' High, Add</i>		1.46	
		<i>For Up To 100, Add</i>		1.59	
		<i>For &gt;100 To 500, Add</i>		0.80	
		<i>For &gt;5,000, Deduct</i>		-0.64	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco	.....	6.46	1.54
		Note: Excludes lath and felt. Interior or exterior, one side.			
		<i>For Walls &gt;10' High, Add</i>		0.56	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.85	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.69	
		<i>For Columns Or Beams Up To 10' High, Add</i>		1.75	
		<i>For Columns Or Beams &gt;10' High, Add</i>		2.59	
		<i>For Color Added To Finish Coat, Add</i>		0.15	
		<i>For Smooth Float Finish, Add</i>		1.55	
		<i>For Up To 100, Add</i>		2.82	
		<i>For &gt;100 To 500, Add</i>		1.41	
		<i>For &gt;5,000, Deduct</i>		-1.13	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco	.....	4.24	1.02
		Note: Excludes lath and felt. Interior or exterior, one side.			
		<i>For Walls &gt;10' High, Add</i>		0.41	
		<i>For Horizontal Installation Up To 10' High, Add</i>		0.62	
		<i>For Horizontal Installation &gt;10' High, Add</i>		1.23	
		<i>For Columns Or Beams Up To 10' High, Add</i>		1.27	
		<i>For Columns Or Beams &gt;10' High, Add</i>		1.89	
		<i>For Color Added To Finish Coat, Add</i>		0.15	
		<i>For Smooth Float Finish, Add</i>		1.55	
		<i>For Up To 100, Add</i>		2.05	
		<i>For &gt;100 To 500, Add</i>		1.03	
		<i>For &gt;5,000, Deduct</i>		-0.82	

**09 24 33 Cement Parging (09 24)**

**09 24 33 00-0001 Cement Parging (09 24 33)**

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	.....	5.23	
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	.....	6.63	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	.....	10.08	

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 28 Backing Boards and Underlayments** (09 20)

**09 28 13 Cementitious Backing Boards** (09 28)

**09 28 13 00-0001 Cementitious Backer Units** (09 28 13)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF 1/4" Cementitious Backer Units For Installation On Floors .....	4.68		0.86
	For Up To 50, Add	3.74		
	For >50 To 250, Add	0.68		
	For >1,000, Deduct	-0.34		
	For Installation On Wall, Add	0.68		
	For Installation On Ceiling, Add	1.71		
09 28 13 00-0003	SF 1/2" Cementitious Backer Units For Installation On Floors .....	5.40		1.03
	For Up To 50, Add	4.43		
	For >50 To 250, Add	0.82		
	For >1,000, Deduct	-0.41		
	For Installation On Wall, Add	0.82		
	For Installation On Ceiling, Add	2.05		
09 28 13 00-0004	SF 5/8" Cementitious Backer Units For Installation On Floors .....	6.62		1.20
	For Up To 50, Add	5.25		
	For >50 To 250, Add	0.96		
	For >1,000, Deduct	-0.48		
	For Installation On Wall, Add	0.96		
	For Installation On Ceiling, Add	2.40		

**09 28 16 Glass-Mat Faced Gypsum Backing Boards** (09 28)

**09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield** (09 28 16)

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF 1/2" DensShield Tile Backer For Installation On Floors .....	3.92		0.96
	For Up To 50, Add	2.83		
	For >50 To 250, Add	0.49		
	For >1,000, Deduct	-0.25		
	For Installation On Wall, Add	0.49		
	For Installation On Ceiling, Add	1.23		
09 28 16 00-0003	SF 5/8" DensShield Tile Backer For Installation On Floors .....	4.88		1.09
	For Up To 50, Add	3.27		
	For >50 To 250, Add	0.55		
	For >1,000, Deduct	-0.27		
	For Installation On Wall, Add	0.55		
	For Installation On Ceiling, Add	1.37		

**09 29 Gypsum Board** (09 20)

Note: Do not deduct for opens of less than 25 SF when calculating total wall square footage.

**09 29 10 Gypsum Board** (09 29)

**09 29 10 00-0001 Standard Gypsum Board Application** (09 29 10)

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

**09 29 10 00-0002 Standard Gypsum Board Application** (09 29 10 00-0001)

09 29 10 00-0003	SF 1/4" Gypsum Board.....	1.63		0.54
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.26		
	For Adhesive Applied Sheets, Add	0.11		
	Note: Includes bracing until adhesive is bonded			
	For Horizontal Installation Up To 10' High, Add	0.37		
	For Horizontal Installation >10' High, Add	0.55		
	For Walls >10' High, Add	0.09		
	For Up To 128, Add	0.54		
	For >128 To 320, Add	0.33		
	For >1,536, Deduct	-0.14		
09 29 10 00-0004	SF 3/8" Gypsum Board.....	1.77		0.62
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.29		
	For Adhesive Applied Sheets, Add	0.12		
	Note: Includes bracing until adhesive is bonded			
	For Foil Back Board, Add	0.10		
	For Horizontal Installation Up To 10' High, Add	0.42		
	For Horizontal Installation >10' High, Add	0.62		
	For Walls >10' High, Add	0.10		
	For Up To 128, Add	0.60		
	For >128 To 320, Add	0.36		
	For >1,536, Deduct	-0.14		
09 29 10 00-0005	SF 1/2" Gypsum Board.....	1.94		0.71
	For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33		
	For Adhesive Applied Sheets, Add	0.13		
	Note: Includes bracing until adhesive is bonded			
	For Foil Back Board, Add	0.10		
	For Horizontal Installation Up To 10' High, Add	0.48		
	For Horizontal Installation >10' High, Add	0.71		
	For Walls >10' High, Add	0.11		
	For Up To 128, Add	0.67		
	For >128 To 320, Add	0.41		
	For >1,536, Deduct	-0.15		

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 29 Gypsum Board**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 29 10 00-0006	SF 5/8" Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.28 0.38 0.14  0.10 0.55 0.81 0.13 0.78 0.47 -0.18	0.82
09 29 10 00-0007	Fire Rated Gypsum Board Application (09 29 10 00-0001)		
09 29 10 00-0008	Type X, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0009	SF 5/8" Type X Fire Rated Gypsum Board..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.45 0.42 0.15  0.10 0.61 0.90 0.14 0.85 0.52 -0.19	0.82
09 29 10 00-0010	Type C, Fire Rated Gypsum Board (09 29 10 00-0007)		
09 29 10 00-0011	SF 1/2" Type C Fire Rated Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.23 0.36 0.14  0.10 0.53 0.78 0.12 0.76 0.46 -0.18	0.71
09 29 10 00-0012	SF 5/8" Type C Fire Rated Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Foil Back Board, Add</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.53 0.42 0.15  0.10 0.61 0.90 0.14 0.87 0.52 -0.20	0.82
09 29 10 00-0013	Fire Rated Gypsum Board (Sheetrock® Ultracode®) (09 29 10 00-0007)		
09 29 10 00-0014	SF 3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	3.45 0.43 0.15  0.61 0.90 0.14 1.05 0.62 -0.34	0.82
09 29 10 00-0015	Moisture Resistant Gypsum Board Application (09 29 10 00-0001) <i>Note: Water-resistant gypsum core.</i>		
09 29 10 00-0016	SF 1/2" Moisture Resistant Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.12 0.33 0.13  0.48 0.71 0.11 0.71 0.42 -0.18	0.71
09 29 10 00-0017	SF 5/8" Moisture Resistant Gypsum Board ..... <i>For Curved Surfaces With A 2'-0" Maximum Radius, Add</i> <i>For Adhesive Applied Sheets, Add</i> <i>Note: Includes bracing until adhesive is bonded</i> <i>For Horizontal Installation Up To 10' High, Add</i> <i>For Horizontal Installation &gt;10' High, Add</i> <i>For Walls &gt;10' High, Add</i> <i>For Up To 128, Add</i> <i>For &gt;128 To 320, Add</i> <i>For &gt;1,536, Deduct</i>	2.74 0.38 0.14  0.55 0.81 0.13 0.87 0.52 -0.25	0.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 29 10 00-0018 Vinyl Faced Gypsum Board Application (09 29 10 00-0001)**

Note: Includes clips and adhesive.

09 29 10 00-0019	SF		3/8" Prefinished, Vinyl Faced Gypsum Board .....	4.02	0.54
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.31	
			For Horizontal Installation Up To 10' High, Add	0.42	
			For Horizontal Installation >10' High, Add	0.62	
			For Walls >10' High, Add	0.10	
			For Up To 128, Add	1.05	
			For >128 To 320, Add	0.59	
			For >1,536, Deduct	-0.48	
09 29 10 00-0020	SF		1/2" Prefinished, Vinyl Faced Gypsum Board .....	4.20	0.71
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.35	
			For Horizontal Installation Up To 10' High, Add	0.48	
			For Horizontal Installation >10' High, Add	0.71	
			For Walls >10' High, Add	0.11	
			For Up To 128, Add	1.12	
			For >128 To 320, Add	0.63	
			For >1,536, Deduct	-0.49	
09 29 10 00-0021	SF		5/8" Prefinished, Vinyl Faced Gypsum Board .....	4.41	0.82
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40	
			For Horizontal Installation Up To 10' High, Add	0.55	
			For Horizontal Installation >10' High, Add	0.81	
			For Walls >10' High, Add	0.13	
			For Up To 128, Add	1.21	
			For >128 To 320, Add	0.68	
			For >1,536, Deduct	-0.50	
09 29 10 00-0022	SF		1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board .....	4.86	0.71
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
			For Horizontal Installation Up To 10' High, Add	0.53	
			For Horizontal Installation >10' High, Add	0.78	
			For Walls >10' High, Add	0.12	
			For Up To 128, Add	1.28	
			For >128 To 320, Add	0.72	
			For >1,536, Deduct	-0.57	
09 29 10 00-0023	SF		5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board .....	7.41	0.82
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.47	
			For Horizontal Installation Up To 10' High, Add	0.61	
			For Horizontal Installation >10' High, Add	0.90	
			For Walls >10' High, Add	0.14	
			For Up To 128, Add	1.84	
			For >128 To 320, Add	1.01	
			For >1,536, Deduct	-0.93	

**09 29 10 00-0024 Moisture And Mold Resistant Gypsum Board Application (09 29 10 00-0001)**

09 29 10 00-0025	SF		1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™) .....	2.47	0.69
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.33	
			For Adhesive Applied Sheets, Add	0.13	
			Note: Includes bracing until adhesive is bonded		
			For Non-reinforced Board, Deduct	-0.08	
			For Horizontal Installation Up To 10' High, Add	0.48	
			For Horizontal Installation >10' High, Add	0.71	
			For Walls >10' High, Add	0.11	
			For Up To 128, Add	0.78	
			For >128 To 320, Add	0.46	
			For >1,536, Deduct	-0.23	
09 29 10 00-0026	SF		5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™) .....	2.92	0.78
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.39	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Non-reinforced Board, Deduct	-0.08	
			For Horizontal Installation Up To 10' High, Add	0.55	
			For Horizontal Installation >10' High, Add	0.81	
			For Walls >10' High, Add	0.13	
			For Up To 128, Add	0.91	
			For >128 To 320, Add	0.54	
			For >1,536, Deduct	-0.28	
09 29 10 00-0027	SF		1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™) .....	2.93	0.69
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.37	
			For Adhesive Applied Sheets, Add	0.14	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.53	
			For Horizontal Installation >10' High, Add	0.78	
			For Walls >10' High, Add	0.12	
			For Up To 128, Add	0.90	
			For >128 To 320, Add	0.53	
			For >1,536, Deduct	-0.28	
09 29 10 00-0028	SF		5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™) .....	3.30	0.78
			For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43	
			For Adhesive Applied Sheets, Add	0.15	
			Note: Includes bracing until adhesive is bonded		
			For Horizontal Installation Up To 10' High, Add	0.61	
			For Horizontal Installation >10' High, Add	0.90	
			For Walls >10' High, Add	0.14	
			For Up To 128, Add	1.02	
			For >128 To 320, Add	0.60	
			For >1,536, Deduct	-0.32	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 29 Gypsum Board**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 29 10 00-0029		<b>Impact Resistant Gypsum Board</b> (09 29 10 00-0001) Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant			
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®).....	4.34		0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.40		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.55		
		For Horizontal Installation >10' High, Add	0.81		
		For Walls >10' High, Add	0.13		
		For Up To 128, Add	1.19		
		For >128 To 320, Add	0.68		
		For >1,536, Deduct	-0.49		
09 29 10 00-0031		<b>Abuse Resistant Gypsum Board</b> (09 29 10 00-0001) Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant			
09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®).....	3.00		0.78
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.38		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.55		
		For Horizontal Installation >10' High, Add	0.81		
		For Walls >10' High, Add	0.13		
		For Up To 128, Add	0.92		
		For >128 To 320, Add	0.54		
		For >1,536, Deduct	-0.29		
09 29 10 00-0033		<b>Noise Reducing Gypsum Board</b> (09 29 10 00-0001)			
09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	5.49		0.82
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.42		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.56		
		For Horizontal Installation >10' High, Add	0.82		
		For Walls >10' High, Add	0.13		
		For Up To 128, Add	1.43		
		For >128 To 320, Add	0.80		
		For >1,536, Deduct	-0.66		
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak).....	6.62		0.82
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	0.43		
		For Adhesive Applied Sheets, Add	0.14		
		Note: Includes bracing until adhesive is bonded			
		For Horizontal Installation Up To 10' High, Add	0.56		
		For Horizontal Installation >10' High, Add	0.82		
		For Walls >10' High, Add	0.13		
		For Up To 128, Add	1.65		
		For >128 To 320, Add	0.91		
		For >1,536, Deduct	-0.83		
09 29 10 00-0036		<b>Finishing Gypsum Board Applications</b> (09 29 10) Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.			
09 29 10 00-0037		<b>Finish Gypsum Board Walls, ASTM C840 Level 4</b> (09 29 10 00-0036)			
09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	0.78		
		For Up To 128, Add	0.30		
		For >128 To 320, Add	0.18		
		For >5,400, Deduct	-0.08		
		For ASTM C840 Level 1 Finish, Deduct	-0.37		
		For ASTM C840 Level 2 Finish, Deduct	-0.18		
		For ASTM C840 Level 3 Finish, Deduct	-0.07		
		For ASTM C840 Level 5 High Quality Finish, Add	0.57		
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board.....	1.03		
		Note: Use this task for the entire wall area when the wall is >10' high.			
		For Up To 128, Add	0.40		
		For >128 To 320, Add	0.25		
		For >5,400, Deduct	-0.10		
		For ASTM C840 Level 1 Finish, Deduct	-0.49		
		For ASTM C840 Level 2 Finish, Deduct	-0.25		
		For ASTM C840 Level 3 Finish, Deduct	-0.10		
		For ASTM C840 Level 5 High Quality Finish, Add	0.76		



	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 29 10 00-0040</b>		<b>Finish Gypsum Board Ceilings, ASTM C840 Level 4</b> <small>(09 29 10 00-0036)</small>		
09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.01	
		For Up To 128, Add	0.39	
		For >128 To 320, Add	0.24	
		For >5,400, Deduct	-0.10	
		For ASTM C840 Level 1 Finish, Deduct	-0.48	
		For ASTM C840 Level 2 Finish, Deduct	-0.24	
		For ASTM C840 Level 3 Finish, Deduct	-0.10	
		For ASTM C840 Level 5 High Quality Finish, Add	0.75	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board.....	1.35	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	0.53	
		For >128 To 320, Add	0.33	
		For >5,400, Deduct	-0.14	
		For ASTM C840 Level 1 Finish, Deduct	-0.65	
		For ASTM C840 Level 2 Finish, Deduct	-0.33	
		For ASTM C840 Level 3 Finish, Deduct	-0.13	
		For ASTM C840 Level 5 High Quality Finish, Add	1.00	
<b>09 29 10 00-0043</b>		<b>Finish Gypsum Board Vertical Corners, ASTM C840 Level 4</b> <small>(09 29 10 00-0036)</small>		
		Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.53	
		For ASTM C840 Level 1 Finish, Deduct	-0.71	
		For ASTM C840 Level 2 Finish, Deduct	-0.36	
		For ASTM C840 Level 3 Finish, Deduct	-0.14	
		For ASTM C840 Level 5 High Quality Finish, Add	1.12	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board.....	1.84	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	-0.87	
		For ASTM C840 Level 2 Finish, Deduct	-0.43	
		For ASTM C840 Level 3 Finish, Deduct	-0.18	
		For ASTM C840 Level 5 High Quality Finish, Add	1.35	
<b>09 29 10 00-0046</b>		<b>Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4</b> <small>(09 29 10 00-0036)</small>		
		Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	1.79	
		For ASTM C840 Level 1 Finish, Deduct	-0.84	
		For ASTM C840 Level 2 Finish, Deduct	-0.42	
		For ASTM C840 Level 3 Finish, Deduct	-0.17	
		For ASTM C840 Level 5 High Quality Finish, Add	1.32	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board.....	2.14	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For ASTM C840 Level 1 Finish, Deduct	-1.02	
		For ASTM C840 Level 2 Finish, Deduct	-0.51	
		For ASTM C840 Level 3 Finish, Deduct	-0.21	
		For ASTM C840 Level 5 High Quality Finish, Add	1.58	
<b>09 29 10 00-0049</b>		<b>Casing And Corner Beads</b> <small>(09 29 10)</small>		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board.....	5.03	1.37
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board.....	4.77	1.37
<b>09 29 10 00-0052</b>		<b>Preformed Architectural Profiles</b> <small>(09 29 10)</small>		
<b>09 29 10 00-0053</b>		<b>Trim Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.60	1.64
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.65	1.64
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.85	1.64
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.95	1.64
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.21	1.64
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.46	1.64
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.71	1.64
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.53	1.64
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.34	1.64
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.76	1.78
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	6.76	1.78
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.32	1.78
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.42	1.78
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.78	1.78
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	7.93	1.78
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	8.14	1.78
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.05	1.78
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	9.97	1.78
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	13.66	2.05
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board.....	15.19	2.05
<b>09 29 10 00-0074</b>		<b>Edge Trim For Gypsum Board</b> <small>(09 29 10 00-0052)</small>		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.06	1.71
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board.....	6.47	1.71
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.56	1.89
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board.....	7.94	2.05
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	11.15	1.71
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board.....	11.56	1.71

**09 Finishes****09 20 Plaster and Gypsum Board****09 29 Gypsum Board**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....		12.65	1.89
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board .....		13.02	2.05
<b>09 29 10 00-0083</b>		<b>Bevel Trim For Gypsum Board</b> <small>(09 29 10 00-0052)</small>			
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board .....		6.47	1.71
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board .....		7.41	1.89
<b>09 29 10 00-0086</b>		<b>Trim/Wainscot Caps For Gypsum Board</b> <small>(09 29 10 00-0052)</small>			
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board .....		8.80	2.05
<b>09 29 10 00-0088</b>		<b>Single Fin Wall/Trim Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>			
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		6.26	1.09
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		6.36	1.23
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		7.32	1.37
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		7.78	1.50
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		8.22	1.64
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		8.38	1.64
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		8.83	1.64
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		9.70	1.64
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		10.00	1.64
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		7.78	1.78
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		7.88	1.78
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		8.44	1.78
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		8.70	1.78
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		8.90	1.78
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		9.15	1.78
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		9.51	1.78
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		10.43	1.78
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		11.19	1.78
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		13.63	1.78
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board .....		18.31	1.78
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board .....		12.71	1.78
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board .....		13.12	1.78
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board .....		14.49	1.78
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board .....		14.65	1.78
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board .....		16.63	1.78
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board .....		13.68	1.78
<b>09 29 10 00-0115</b>		<b>'V' Groove Wall Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>			
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board .....		9.71	2.46
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board .....		11.14	2.73
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board .....		12.68	3.28
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board .....		12.92	3.56
<b>09 29 10 00-0120</b>		<b>Double Fin Wall Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>			
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.04	1.64
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.14	1.64
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.24	1.64
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.24	1.64
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.70	1.64
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.90	1.62
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		10.10	1.64
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		10.56	1.64
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		11.33	1.64
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		12.14	1.64
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.56	1.78
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.66	1.78
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		9.87	1.78
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		10.32	1.78
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		10.53	1.78
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		10.68	1.78
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		11.19	1.78
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		12.00	1.78
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		12.82	1.78
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		15.00	1.78
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		19.58	1.78
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		17.61	1.95
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		20.06	2.37
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board .....		20.72	2.37
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board .....		16.00	1.62
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board .....		14.92	2.37
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board .....		10.71	1.62
<b>09 29 10 00-0148</b>		<b>Special Conditions Reveals For Gypsum Board</b> <small>(09 29 10 00-0052)</small>			
<b>09 29 10 00-0149</b>		<b>Radius Conditions</b> <small>(09 29 10 00-0148)</small>			
09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board .....		127.14	
		Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0151	EA		8' Long Outside Radius For Gypsum Board ..... Note: Task used in conjunction with "Prefomed Architectural Profiles" tasks.	127.14	
09 29 10 00-0152	EA		8' Long Circular / Arched Radius For Gypsum Board ..... Note: Task used in conjunction with "Prefomed Architectural Profiles" tasks.	127.14	
<b>09 29 10 00-0153</b>			<b>Knee Brace Kit (09 29 10 00-0148)</b>		
09 29 10 00-0154	EA		46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board .....	278.27	17.09
<b>09 29 10 00-0155</b>			<b>Wall Bumper Rail (09 29 10 00-0148)</b>		
09 29 10 00-0156	LF		2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board .....	39.10	6.83
<b>09 29 10 00-0157</b>			<b>Corners For Gypsum Board (09 29 10 00-0052)</b>		
09 29 10 00-0158	LF		1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	8.38	1.64
09 29 10 00-0159	LF		5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	8.95	1.78
09 29 10 00-0160	LF		3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	9.91	1.85
09 29 10 00-0161	LF		1"R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	11.05	1.95
09 29 10 00-0162	LF		1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	13.40	2.37
09 29 10 00-0163	LF		2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	15.51	2.67
09 29 10 00-0164	LF		2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	18.81	3.05
09 29 10 00-0165	LF		3" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	22.83	3.56
09 29 10 00-0166	LF		4" R, Aluminum Extrusions, Outside Corner For Gypsum Board .....	31.37	4.75
09 29 10 00-0167	LF		90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board .....	8.36	1.58
09 29 10 00-0168	LF		90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board .....	15.25	2.14
09 29 10 00-0169	LF		90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board .....	11.03	2.14
09 29 10 00-0170	LF		90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board .....	19.73	2.14
09 29 10 00-0171	LF		45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board .....	28.02	2.67
09 29 10 00-0172	LF		60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board .....	26.90	2.67
09 29 10 00-0173	LF		3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board .....	8.24	1.85
09 29 10 00-0174	LF		5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board .....	8.29	1.78
09 29 10 00-0175	LF		1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board .....	8.32	1.64
09 29 10 00-0176	LF		5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board .....	8.75	1.78
09 29 10 00-0177	LF		1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board .....	11.71	1.95
09 29 10 00-0178	LF		1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....	10.31	1.64
09 29 10 00-0179	LF		5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....	10.88	1.78
09 29 10 00-0180	LF		1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board .....	15.88	1.95
09 29 10 00-0181	LF		1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board .....	17.43	1.64
09 29 10 00-0182	LF		3" Aluminum Extrusions, Bullnose For Gypsum Board .....	30.00	3.56
09 29 10 00-0183	LF		3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board .....	32.04	3.56
09 29 10 00-0184	LF		5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board .....	59.26	5.94
09 29 10 00-0185	LF		7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board .....	98.18	8.41
09 29 10 00-0186	LF		3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	9.97	1.82
09 29 10 00-0187	LF		1" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	11.36	1.92
09 29 10 00-0188	LF		1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	13.65	2.34
09 29 10 00-0189	LF		2"R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	16.73	2.63
09 29 10 00-0190	LF		2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	23.64	3.00
09 29 10 00-0191	LF		3"R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	25.58	3.51
09 29 10 00-0192	LF		4" R, Aluminum Extrusions, Inside Corner For Gypsum Board .....	29.13	4.68
09 29 10 00-0193	LF		3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....	18.56	3.51
09 29 10 00-0194	LF		3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....	18.82	3.51
09 29 10 00-0195	LF		4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....	20.44	3.51
09 29 10 00-0196	LF		5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board .....	20.95	3.51
<b>09 29 82</b>			<b>Gypsum Board Fire Protection (09 29)</b>		
<b>09 29 82 00-0001</b>			<b>Shaft Wall (09 29 82)</b>		
			See CSI section 09 29 10 00-0036 for finishing drywall.		
09 29 82 00-0002	SF		3/4" Fire Rated Shaft Wall Assembly ..... Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.	8.64	3.42
			<i>For Horizontal Installation Up To 10' High, Add</i>	2.33	
			<i>For Horizontal Installation &gt;10' High, Add</i>	3.42	
			<i>For Walls &gt;10' High, Add</i>	0.55	
			<i>For Up To 128, Add</i>	3.10	
			<i>For &gt;128 To 320, Add</i>	1.89	
			<i>For &gt;1,536, Deduct</i>	-0.61	
09 29 82 00-0003	SF		7/8" Fire Rated Shaft Wall Assembly ..... Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.	10.05	4.10
			<i>For Horizontal Installation Up To 10' High, Add</i>	2.79	
			<i>For Horizontal Installation &gt;10' High, Add</i>	4.11	
			<i>For Walls &gt;10' High, Add</i>	0.66	
			<i>For Up To 128, Add</i>	3.65	
			<i>For &gt;128 To 320, Add</i>	2.24	
			<i>For &gt;1,536, Deduct</i>	-0.69	
09 29 82 00-0004	SF		2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly ..... Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.	8.81	2.64
			<i>For Horizontal Installation Up To 10' High, Add</i>	1.79	
			<i>For Horizontal Installation &gt;10' High, Add</i>	2.63	
			<i>For Walls &gt;10' High, Add</i>	0.42	
			<i>For Up To 128, Add</i>	2.81	
			<i>For &gt;128 To 320, Add</i>	1.67	
			<i>For Glass Mat Surfaces, Add</i>	0.38	

**09 Finishes**

**09 20 Plaster and Gypsum Board**

**09 29 Gypsum Board**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	9.45		2.76
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
		For Horizontal Installation Up To 10' High, Add	1.88		
		For Horizontal Installation >10' High, Add	2.77		
		For Walls >10' High, Add	0.44		
		For Up To 128, Add	3.00		
		For >128 To 320, Add	1.77		
		For Glass Mat Surfaces, Add	0.38		
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	10.41		2.76
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
		For Horizontal Installation Up To 10' High, Add	1.88		
		For Horizontal Installation >10' High, Add	2.77		
		For Walls >10' High, Add	0.44		
		For Up To 128, Add	3.19		
		For >128 To 320, Add	1.87		
		For Glass Mat Surfaces, Add	0.38		
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	11.07		2.89
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.			
		For Horizontal Installation Up To 10' High, Add	1.97		
		For Horizontal Installation >10' High, Add	2.90		
		For Walls >10' High, Add	0.46		
		For Up To 128, Add	3.37		
		For >128 To 320, Add	1.98		
		For Glass Mat Surfaces, Add	0.38		

**09 30 Tiling**

**09 30 13 Ceramic Tiling**

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

**09 30 13 00-0001 Ceramic Tiling**

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	19.28		4.08
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.			
		For Up To 50, Add	10.93		
		For >50 To 250, Add	1.63		
		For >1,000, Deduct	-0.81		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.65		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.83		
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Ceramic Floor Tile	15.01		4.08
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.			
		For Up To 50, Add	9.86		
		For >50 To 250, Add	1.63		
		For >1,000, Deduct	-0.81		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.65		
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	1.83		
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Ceramic Floor Tile	17.05		2.54
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.			
		For Up To 50, Add	11.90		
		For >50 To 250, Add	2.04		
		For >1,000, Deduct	-1.02		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.96		
		For Heavy Duty Floors With A PEI 5 Rating, Add	1.00		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.14		
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	21.01		4.94
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.			
		For Up To 50, Add	12.66		
		For >50 To 250, Add	1.97		
		For >1,000, Deduct	-0.99		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.91		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.09		
09 30 13 00-0006	SF	Less Than 8" x 8" Mounted Ceramic Wall Tile	16.74		4.94
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.			
		For Up To 50, Add	11.59		
		For >50 To 250, Add	1.97		
		For >1,000, Deduct	-0.99		
		For High-Modulus, High-Strength Epoxy Grout, Add	1.91		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.09		
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Ceramic Wall Tile	19.35		3.12
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.			
		For Up To 50, Add	14.20		
		For >50 To 250, Add	2.50		
		For >1,000, Deduct	-1.25		
		For High-Modulus, High-Strength Epoxy Grout, Add	2.30		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	2.48		
09 30 13 00-0008	SF	Less Than 8" x 8" Mounted Ceramic Ceiling Tile	23.98		8.57
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.			
		For High-Modulus, High-Strength Epoxy Grout, Add	3.00		
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	3.18		
		For Up To 50, Add	18.83		
		For >50 To 250, Add	3.42		
		For >1,000, Deduct	-1.71		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 30 13 00-0009	SF		8" x 8" And Larger Unmounted Ceramic Ceiling Tile ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> ..... <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> .....	27.41 3.51 3.69 22.26 4.11 -2.05	5.13
09 30 13 00-0010	LF		4-1/4" To 4-1/2" High, Ceramic Cove Base Or Trim ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	15.96 2.35 2.44	3.56
09 30 13 00-0011	LF		6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	24.12 2.35 2.44	3.56
09 30 13 00-0012	LF		6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio) ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	26.81 2.35 2.44	3.56
09 30 13 00-0013	EA		6" High, Unpolished Ceramic Cove Base Outer Corner.....	19.66	0.78

**09 30 13 00-0014 Residential Ceramic Tiling (09 30 13)**

09 30 13 00-0015	SF		Mounted Ceramic Floor Tile, Residential Grade ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> .....	12.47 9.22 1.63 -0.81 1.65	4.08
09 30 13 00-0016	SF		Mounted Ceramic Wall Tile, Residential Grade ..... Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets. <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> .....	14.20 10.95 1.97 -0.99 1.91	4.94
09 30 13 00-0017	SF		2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade ..... Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets. <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> .....	14.08 9.63 1.63 -0.81 1.65	4.08

**09 30 16 Quarry Tiling (09 30)**

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF		Unglazed Quarry Floor Tile ..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	15.15 12.35 2.28 -1.14 2.14 2.32	2.87
09 30 16 00-0002	SF		Glazed Quarry Floor Tile ..... <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	26.82 15.26 2.28 -1.14 2.14 2.32	2.87
09 30 16 00-0003	SF		Unglazed Quarry Wall Tile ..... Note: With or without embedded abrasive grit. <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	17.43 14.63 2.74 -1.37 2.48 2.66	3.38
09 30 16 00-0004	SF		Glazed Quarry Wall Tile ..... <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	29.10 17.54 2.74 -1.37 2.48 2.66	3.38
09 30 16 00-0005	LF		6" High Unglazed Quarry Tile Cove Base Or Trim ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	20.94 2.47 2.56	3.77
09 30 16 00-0006	LF		6" High Glazed Quarry Tile Cove Base Or Trim ..... <i>For High-Modulus, High-Strength Epoxy Grout, Add</i> ..... <i>For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add</i> .....	40.06 2.47 2.56	3.77

**09 31 Thin-Set Tiling (09 30)**

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 31 13 Thin-Set Ceramic Tiling (09 31)**

**09 31 13 00-0001 Thin-Set Ceramic Tiling (09 31 13)**

09 31 13 00-0002	SF		Thin Set - Latex Portland Cement Mortar ..... <i>For Up To 50, Add</i> ..... <i>For &gt;50 To 250, Add</i> ..... <i>For &gt;1,000, Deduct</i> .....	2.34 2.12 0.41 -0.20	1.36
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**09 Finishes****09 30 Tiling****09 31 Thin-Set Tiling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 31 13 00-0003	SF		Clean And Scarify Existing Tile For Installation Of New Tile Over Existing.....	1.31	
			<i>For Up To 50, Add</i>	1.31	
			<i>For &gt;50 To 250, Add</i>	0.26	
			<i>For &gt;1,000, Deduct</i>	-0.13	
<b>09 32 Mortar-Bed Tiling</b> <small>(09 30)</small>					
Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.					
<b>09 32 13 Mortar-Bed Ceramic Tiling</b> <small>(09 32)</small>					
<b>09 32 13 00-0001 Mortar-Bed Ceramic Tiling</b> <small>(09 32 13)</small>					
09 32 13 00-0002	SF		3/4" Minimum Thickness Portland Cement Mortar Setting Bed .....	5.66	2.71
			Note: For residential floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	4.48	
			<i>For &gt;50 To 250, Add</i>	0.82	
			<i>For &gt;1,000, Deduct</i>	-0.41	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0003	SF		1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed .....	7.78	3.63
			Note: For commercial floors. Includes 15 LB felt and wire reinforcement.		
			<i>For Up To 50, Add</i>	6.02	
			<i>For &gt;50 To 250, Add</i>	1.09	
			<i>For &gt;1,000, Deduct</i>	-0.54	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
09 32 13 00-0004	SF		3/4" Portland Cement Plaster Scratch Coat for Walls .....	18.56	8.14
			Note: Includes 15 LB felt and expanded metal lath.		
			<i>For Up To 50, Add</i>	16.86	
			<i>For &gt;50 To 250, Add</i>	3.26	
			<i>For &gt;1,000, Deduct</i>	-1.63	
			<i>For Exterior Installation (Galvanized Reinforcement), Add</i>	0.15	
			<i>For Installation Without Felt And Metal Lath, Deduct</i>	-2.60	
<b>09 34 Waterproofing-Membrane Tiling</b> <small>(09 30)</small>					
<b>09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds</b> <small>(09 34)</small>					
<b>09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST)</b> <small>(09 34 00 00-0001)</small>					
Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.					
09 34 00 00-0003	EA		48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC) .....	1,547.46	
09 34 00 00-0004	EA		32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC) .....	1,776.66	
09 34 00 00-0005	EA		72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC) .....	2,607.07	
<b>09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps</b> <small>(09 34 00 00-0001)</small>					
Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.					
09 34 00 00-0007	EA		15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122) .....	188.17	
09 34 00 00-0008	EA		4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122) .....	177.54	
<b>09 34 00 00-0009 Prefabricated Polystyrene Shower Benches</b> <small>(09 34 00 00-0001)</small>					
Note: Prefabricated shower bench for tiling over. Excludes tile.					
09 34 00 00-0010	EA		16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41) .....	367.29	
09 34 00 00-0011	EA		32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181) .....	729.40	
09 34 00 00-0012	EA		48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122) .....	898.38	
09 34 00 00-0013	EA		32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981) .....	656.98	
09 34 00 00-0014	EA		42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107) .....	729.40	
09 34 00 00-0015	EA		48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122) .....	777.68	
<b>09 34 00 00-0016 Prefabricated Polystyrene Shower Tray</b> <small>(09 34 00 00-0001)</small>					
Note: Prefabricated shower tray for tiling over. Excludes tile.					
09 34 00 00-0017	EA		32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152) .....	320.94	
09 34 00 00-0018	EA		48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122) .....	320.94	
09 34 00 00-0019	EA		72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183) .....	489.92	
<b>09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA)</b> <small>(09 34 00 00-0001)</small>					
09 34 00 00-0021	SF		1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA) .....	5.76	
09 34 00 00-0022	SF		5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL) .....	6.59	
<b>09 34 00 00-0023 Bonded Waterproof Underlayment Membranes (Schluter® KERDI)</b> <small>(09 34 00 00-0001)</small>					
09 34 00 00-0024	SF		0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M) .....	5.10	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 35 Chemical-Resistant Tiling** (09 30)

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

**09 35 13 Chemical-Resistant Ceramic Tiling** (09 35)

**09 35 13 00-0001 Chemical-Resistant Ceramic Tiling** (09 35 13)

09 35 13 00-0002	SF	Thin Set - Epoxy Mortar.....	6.74	1.79
		Note: Impact and chemical resistant.		
		For Up To 50, Add	3.72	
		For >50 To 250, Add	0.54	
		For >1,000, Deduct	-0.27	

**09 39 Tiling Transitions** (09 30)

**09 39 00 00-0001 Tile Substrate (Schluter® KERDI BOARD)** (09 39)

09 39 00 00-0002	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD) .....	9.90	0.96
09 39 00 00-0003	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD) .....	11.14	1.09

**09 39 00 00-0004 Floor Edge Protection And Transition Profiles For Tile** (09 39)

09 39 00 00-0005	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) .....	4.70	
09 39 00 00-0006	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) .....	4.83	
09 39 00 00-0007	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) .....	4.96	
09 39 00 00-0008	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE) .....	5.18	
09 39 00 00-0009	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	6.07	
09 39 00 00-0010	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	6.25	
09 39 00 00-0011	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	6.37	
09 39 00 00-0012	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS) .....	6.51	
09 39 00 00-0013	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T) .....	4.91	
09 39 00 00-0014	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T) .....	6.51	
09 39 00 00-0015	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.10	
09 39 00 00-0016	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.39	
09 39 00 00-0017	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	6.67	
09 39 00 00-0018	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK).....	7.96	
09 39 00 00-0019	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	6.29	
09 39 00 00-0020	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	6.58	
09 39 00 00-0021	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U).....	7.87	

**09 39 00 00-0022 Outside Wall Edge Protection And Transition Profiles For Tile** (09 39)

09 39 00 00-0023	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	6.26	
09 39 00 00-0024	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	6.56	
09 39 00 00-0025	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	7.01	
09 39 00 00-0026	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC).....	7.46	
09 39 00 00-0027	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	6.87	
09 39 00 00-0028	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	7.44	
09 39 00 00-0029	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	8.01	
09 39 00 00-0030	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC).....	9.01	

**09 50 Ceilings** (09)

**09 51 Acoustical Ceilings** (09 50)

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

**09 51 13 Acoustical Panel Ceilings** (09 51)

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

**09 51 13 00-0001 Fiberglass Panels** (09 51 13)

**09 51 13 00-0002 Fiberglass Acoustical Panels** (09 51 13 00-0001)

Note: Includes square edge and class A fire rating.

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) .....	8.65	0.54
		For Up To 50, Add	2.01	
		For >50 To 200, Add	1.22	
		For >200 To 500, Add	0.52	
		For >2,500 To 4,000, Deduct	-0.22	
		For >4,000 To 5,000, Deduct	-0.43	
		For >5,000, Deduct	-0.69	
		For Individual Room Quantities <495, Add	1.22	
		For Ceilings >10' High, Add	0.13	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) .....	8.60	0.54
		For Up To 50, Add	2.00	
		For >50 To 200, Add	1.21	
		For >200 To 500, Add	0.52	
		For >2,500 To 4,000, Deduct	-0.22	
		For >4,000 To 5,000, Deduct	-0.43	
		For >5,000, Deduct	-0.69	
		For Individual Room Quantities <495, Add	1.21	
		For Ceilings >10' High, Add	0.13	

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0005	SF 2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) .....	9.17	0.69
	For Up To 50, Add	2.14	
	For >50 To 200, Add	1.30	
	For >200 To 500, Add	0.55	
	For >2,500 To 4,000, Deduct	-0.23	
	For >4,000 To 5,000, Deduct	-0.46	
	For >5,000, Deduct	-0.74	
	For Individual Room Quantities <495, Add	1.30	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0006	SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®) .....	9.26	0.69
	For Up To 50, Add	2.16	
	For >50 To 200, Add	1.31	
	For >200 To 500, Add	0.56	
	For >2,500 To 4,000, Deduct	-0.23	
	For >4,000 To 5,000, Deduct	-0.46	
	For >5,000, Deduct	-0.74	
	For Individual Room Quantities <495, Add	1.31	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0007	SF 2' x 2' x 1" Thick, Square or Beveled Tegular Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3352, 3354, and 3355).....	9.51	0.69
	For Up To 50, Add	2.19	
	For >50 To 200, Add	1.34	
	For >200 To 500, Add	0.57	
	For >2,500 To 4,000, Deduct	-0.24	
	For >4,000 To 5,000, Deduct	-0.48	
	For >5,000, Deduct	-0.76	
	For Individual Room Quantities <495, Add	1.34	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0008	SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Optima® 3353) .....	9.50	0.69
	For Up To 50, Add	2.19	
	For >50 To 200, Add	1.33	
	For >200 To 500, Add	0.57	
	For >2,500 To 4,000, Deduct	-0.24	
	For >4,000 To 5,000, Deduct	-0.48	
	For >5,000, Deduct	-0.76	
	For Individual Room Quantities <495, Add	1.33	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0009	SF 2' x 2' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™) .....	9.89	0.69
	For Up To 50, Add	2.25	
	For >50 To 200, Add	1.37	
	For >200 To 500, Add	0.59	
	For >2,500 To 4,000, Deduct	-0.25	
	For >4,000 To 5,000, Deduct	-0.49	
	For >5,000, Deduct	-0.79	
	For Individual Room Quantities <495, Add	1.37	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0010	SF 2' x 4' x 1" Thick, Square Edge, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™) .....	9.88	0.69
	For Up To 50, Add	2.25	
	For >50 To 200, Add	1.37	
	For >200 To 500, Add	0.59	
	For >2,500 To 4,000, Deduct	-0.25	
	For >4,000 To 5,000, Deduct	-0.49	
	For >5,000, Deduct	-0.79	
	For Individual Room Quantities <495, Add	1.37	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0011	Mineral Fiber Panels <small>(09 51 13)</small>		
09 51 13 00-0012	Mineral Fiber Acoustical Ceiling Panels <small>(09 51 13 00-0011)</small> Note: Includes square or tegular edge and class A fire rating.		
09 51 13 00-0013	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured).....	2.60	0.54
	For Up To 50, Add	1.10	
	For >50 To 200, Add	0.61	
	For >200 To 500, Add	0.22	
	For >2,500 To 4,000, Deduct	-0.07	
	For >4,000 To 5,000, Deduct	-0.13	
	For >5,000, Deduct	-0.24	
	For Individual Room Quantities <495, Add	0.61	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0014	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Random Textured).....	2.58	0.82
	For Up To 50, Add	1.10	
	For >50 To 200, Add	0.61	
	For >200 To 500, Add	0.22	
	For >2,500 To 4,000, Deduct	-0.06	
	For >4,000 To 5,000, Deduct	-0.13	
	For >5,000, Deduct	-0.24	
	For Individual Room Quantities <495, Add	0.61	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0015	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega) .....	3.04	0.54
	For Up To 50, Add	1.16	
	For >50 To 200, Add	0.66	
	For >200 To 500, Add	0.24	
	For >2,500 To 4,000, Deduct	-0.08	
	For >4,000 To 5,000, Deduct	-0.15	
	For >5,000, Deduct	-0.27	
	For Individual Room Quantities <495, Add	0.66	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0016	SF	2' x 4' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega) .....	3.03	0.82
			For Up To 50, Add	1.16	
			For >50 To 200, Add	0.66	
			For >200 To 500, Add	0.24	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.15	
			For >5,000, Deduct	-0.27	
			For Individual Room Quantities <495, Add	0.66	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0017	SF	2' x 2' x 5/8"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega) .....	3.33	0.54
			For Up To 50, Add	1.21	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.69	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0018	SF	2' x 4' x 5/8"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega) .....	3.33	0.54
			For Up To 50, Add	1.21	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.69	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0019	SF	2' x 2' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard) .....	3.56	0.82
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.31	
			For Individual Room Quantities <495, Add	0.71	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0020	SF	2' x 4' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard) .....	3.57	0.82
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.31	
			For Individual Room Quantities <495, Add	0.71	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0021	SF	2' x 2' x 5/8"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cortega Fire Guard) .....	3.87	0.82
			For Up To 50, Add	1.29	
			For >50 To 200, Add	0.74	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.74	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0022	SF	2' x 2' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer) .....	3.31	0.54
			For Up To 50, Add	1.20	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.69	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0023	SF	2' x 4' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer) .....	3.30	0.82
			For Up To 50, Add	1.20	
			For >50 To 200, Add	0.68	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.29	
			For Individual Room Quantities <495, Add	0.68	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0024	SF	2' x 2' x 5/8"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Designer) .....	3.77	0.54
			For Up To 50, Add	1.27	
			For >50 To 200, Add	0.73	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.73	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0025	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	3.04	0.54
	<i>For Up To 50, Add</i>	1.16	
	<i>For &gt;50 To 200, Add</i>	0.66	
	<i>For &gt;200 To 500, Add</i>	0.24	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.15	
	<i>For &gt;5,000, Deduct</i>	-0.27	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.66	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0026	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	3.03	0.54
	<i>For Up To 50, Add</i>	1.16	
	<i>For &gt;50 To 200, Add</i>	0.66	
	<i>For &gt;200 To 500, Add</i>	0.24	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.15	
	<i>For &gt;5,000, Deduct</i>	-0.27	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.66	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0027	SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured).....	3.33	0.54
	<i>For Up To 50, Add</i>	1.21	
	<i>For &gt;50 To 200, Add</i>	0.69	
	<i>For &gt;200 To 500, Add</i>	0.26	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.17	
	<i>For &gt;5,000, Deduct</i>	-0.29	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.69	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0028	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.06	0.54
	<i>For Up To 50, Add</i>	1.17	
	<i>For &gt;50 To 200, Add</i>	0.66	
	<i>For &gt;200 To 500, Add</i>	0.24	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.15	
	<i>For &gt;5,000, Deduct</i>	-0.27	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.66	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0029	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.06	0.54
	<i>For Up To 50, Add</i>	1.17	
	<i>For &gt;50 To 200, Add</i>	0.66	
	<i>For &gt;200 To 500, Add</i>	0.24	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.15	
	<i>For &gt;5,000, Deduct</i>	-0.27	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.66	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0030	SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.48	0.54
	<i>For Up To 50, Add</i>	1.23	
	<i>For &gt;50 To 200, Add</i>	0.70	
	<i>For &gt;200 To 500, Add</i>	0.26	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.09	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.17	
	<i>For &gt;5,000, Deduct</i>	-0.31	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.70	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0031	SF 2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.48	0.54
	<i>For Up To 50, Add</i>	1.23	
	<i>For &gt;50 To 200, Add</i>	0.70	
	<i>For &gt;200 To 500, Add</i>	0.26	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.09	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.17	
	<i>For &gt;5,000, Deduct</i>	-0.31	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.70	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0032	SF 2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.65	0.54
	<i>For Up To 50, Add</i>	1.26	
	<i>For &gt;50 To 200, Add</i>	0.72	
	<i>For &gt;200 To 500, Add</i>	0.27	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.09	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.18	
	<i>For &gt;5,000, Deduct</i>	-0.32	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.72	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0033	SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	4.26	0.54
	<i>For Up To 50, Add</i>	1.35	
	<i>For &gt;50 To 200, Add</i>	0.78	
	<i>For &gt;200 To 500, Add</i>	0.30	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.11	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.21	
	<i>For &gt;5,000, Deduct</i>	-0.36	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.78	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0034	SF	2' x 2' x 3/4"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.56	0.54
			For Up To 50, Add	1.24	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.31	
			For Individual Room Quantities <495, Add	0.71	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0035	SF	2' x 4' x 3/4"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	4.29	0.54
			For Up To 50, Add	1.35	
			For >50 To 200, Add	0.78	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.11	
			For >4,000 To 5,000, Deduct	-0.21	
			For >5,000, Deduct	-0.37	
			For Individual Room Quantities <495, Add	0.78	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0036	SF	30" x 60" x 3/4"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured).....	3.36	0.54
			For Up To 50, Add	1.21	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.26	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.17	
			For >5,000, Deduct	-0.30	
			For Individual Room Quantities <495, Add	0.69	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0037	SF	2' x 2' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard) .....	3.65	0.82
			For Up To 50, Add	1.26	
			For >50 To 200, Add	0.72	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.32	
			For Individual Room Quantities <495, Add	0.72	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0038	SF	2' x 4' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard) .....	3.59	0.82
			For Up To 50, Add	1.25	
			For >50 To 200, Add	0.71	
			For >200 To 500, Add	0.27	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.31	
			For Individual Room Quantities <495, Add	0.71	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0039	SF	2' x 2' x 5/8"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard) .....	4.02	0.82
			For Up To 50, Add	1.31	
			For >50 To 200, Add	0.76	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.76	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0040	SF	2' x 4' x 5/8"	Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured Fire Guard) .....	4.02	0.82
			For Up To 50, Add	1.31	
			For >50 To 200, Add	0.76	
			For >200 To 500, Add	0.29	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.20	
			For >5,000, Deduct	-0.35	
			For Individual Room Quantities <495, Add	0.76	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	
09 51 13 00-0041	SF	2' x 2' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ceramaguard Fine Fissured).....	9.32	0.96
			For Vertical Application, Add	0.80	
09 51 13 00-0042	SF	2' x 2' x 5/8"	Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.84	0.54
			For Up To 50, Add	1.28	
			For >50 To 200, Add	0.74	
			For >200 To 500, Add	0.28	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.19	
			For >5,000, Deduct	-0.33	
			For Individual Room Quantities <495, Add	0.74	
			For Vertical Application, Add	0.80	
			For Ceilings >10' High, Add	0.13	

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0043	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	3.83	0.54
	<i>For Up To 50, Add</i>	1.28	
	<i>For &gt;50 To 200, Add</i>	0.74	
	<i>For &gt;200 To 500, Add</i>	0.28	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.10	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.19	
	<i>For &gt;5,000, Deduct</i>	-0.33	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.74	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0044	SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	4.46	0.54
	<i>For Up To 50, Add</i>	1.38	
	<i>For &gt;50 To 200, Add</i>	0.80	
	<i>For &gt;200 To 500, Add</i>	0.31	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.11	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.22	
	<i>For &gt;5,000, Deduct</i>	-0.38	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.80	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0045	SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™).....	4.09	0.54
	<i>For Up To 50, Add</i>	1.32	
	<i>For &gt;50 To 200, Add</i>	0.76	
	<i>For &gt;200 To 500, Add</i>	0.29	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.10	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.20	
	<i>For &gt;5,000, Deduct</i>	-0.35	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.76	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0046	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.04	0.54
	<i>For Up To 50, Add</i>	1.31	
	<i>For &gt;50 To 200, Add</i>	0.76	
	<i>For &gt;200 To 500, Add</i>	0.29	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.10	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.20	
	<i>For &gt;5,000, Deduct</i>	-0.35	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.76	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0047	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.04	0.54
	<i>For Up To 50, Add</i>	1.31	
	<i>For &gt;50 To 200, Add</i>	0.76	
	<i>For &gt;200 To 500, Add</i>	0.29	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.10	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.20	
	<i>For &gt;5,000, Deduct</i>	-0.35	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.76	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0048	SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.24	0.54
	<i>For Up To 50, Add</i>	1.34	
	<i>For &gt;50 To 200, Add</i>	0.78	
	<i>For &gt;200 To 500, Add</i>	0.30	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.11	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.21	
	<i>For &gt;5,000, Deduct</i>	-0.36	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.78	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0049	SF 2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune).....	4.40	0.54
	<i>For Up To 50, Add</i>	1.37	
	<i>For &gt;50 To 200, Add</i>	0.79	
	<i>For &gt;200 To 500, Add</i>	0.31	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.11	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.22	
	<i>For &gt;5,000, Deduct</i>	-0.37	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.79	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0050	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.63	0.54
	<i>For Up To 50, Add</i>	1.40	
	<i>For &gt;50 To 200, Add</i>	0.82	
	<i>For &gt;200 To 500, Add</i>	0.32	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.12	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.23	
	<i>For &gt;5,000, Deduct</i>	-0.39	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.82	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	
09 51 13 00-0051	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune Fire Guard).....	4.59	0.54
	<i>For Up To 50, Add</i>	1.40	
	<i>For &gt;50 To 200, Add</i>	0.81	
	<i>For &gt;200 To 500, Add</i>	0.32	
	<i>For &gt;2,500 To 4,000, Deduct</i>	-0.11	
	<i>For &gt;4,000 To 5,000, Deduct</i>	-0.23	
	<i>For &gt;5,000, Deduct</i>	-0.39	
	<i>For Individual Room Quantities &lt;495, Add</i>	0.81	
	<i>For Vertical Application, Add</i>	0.80	
	<i>For Ceilings &gt;10' High, Add</i>	0.13	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 51 13 00-0052	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.47		0.82
		For Up To 50, Add		1.38	
		For >50 To 200, Add		0.80	
		For >200 To 500, Add		0.31	
		For >2,500 To 4,000, Deduct		-0.11	
		For >4,000 To 5,000, Deduct		-0.22	
		For >5,000, Deduct		-0.38	
		For Individual Room Quantities <495, Add		0.80	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0053	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.46		0.82
		For Up To 50, Add		1.38	
		For >50 To 200, Add		0.80	
		For >200 To 500, Add		0.31	
		For >2,500 To 4,000, Deduct		-0.11	
		For >4,000 To 5,000, Deduct		-0.22	
		For >5,000, Deduct		-0.38	
		For Individual Room Quantities <495, Add		0.80	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0054	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.81		0.54
		For Up To 50, Add		1.43	
		For >50 To 200, Add		0.84	
		For >200 To 500, Add		0.33	
		For >2,500 To 4,000, Deduct		-0.12	
		For >4,000 To 5,000, Deduct		-0.24	
		For >5,000, Deduct		-0.41	
		For Individual Room Quantities <495, Add		0.84	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0055	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Mesa)	4.71		0.54
		For Up To 50, Add		1.41	
		For >50 To 200, Add		0.83	
		For >200 To 500, Add		0.32	
		For >2,500 To 4,000, Deduct		-0.12	
		For >4,000 To 5,000, Deduct		-0.24	
		For >5,000, Deduct		-0.40	
		For Individual Room Quantities <495, Add		0.83	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0056	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.74		0.82
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.93	
		For >200 To 500, Add		0.38	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.29	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.93	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0057	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.69		0.82
		For Up To 50, Add		1.56	
		For >50 To 200, Add		0.92	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.92	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0058	SF	2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.74		0.82
		For Up To 50, Add		1.57	
		For >50 To 200, Add		0.93	
		For >200 To 500, Add		0.38	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.29	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.93	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0059	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus)	5.69		0.82
		For Up To 50, Add		1.56	
		For >50 To 200, Add		0.92	
		For >200 To 500, Add		0.37	
		For >2,500 To 4,000, Deduct		-0.14	
		For >4,000 To 5,000, Deduct		-0.28	
		For >5,000, Deduct		-0.47	
		For Individual Room Quantities <495, Add		0.92	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0060	SF	2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Cirrus Second Look)	6.27		0.54
		For Up To 50, Add		1.65	
		For >50 To 200, Add		0.98	
		For >200 To 500, Add		0.40	
		For >2,500 To 4,000, Deduct		-0.16	
		For >4,000 To 5,000, Deduct		-0.31	
		For >5,000, Deduct		-0.51	
		For Individual Room Quantities <495, Add		0.98	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0061	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....	6.23	0.82
	For Up To 50, Add	1.64	
	For >50 To 200, Add	0.98	
	For >200 To 500, Add	0.40	
	For >2,500 To 4,000, Deduct	-0.16	
	For >4,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.51	
	For Individual Room Quantities <495, Add	0.98	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0062	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra).....	6.21	0.82
	For Up To 50, Add	1.64	
	For >50 To 200, Add	0.98	
	For >200 To 500, Add	0.40	
	For >2,500 To 4,000, Deduct	-0.16	
	For >4,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.51	
	For Individual Room Quantities <495, Add	0.98	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0063	SF 2' x 2' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra) .....	6.70	0.54
	For Up To 50, Add	1.71	
	For >50 To 200, Add	1.02	
	For >200 To 500, Add	0.42	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.34	
	For >5,000, Deduct	-0.55	
	For Individual Room Quantities <495, Add	1.02	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0064	SF 2' x 4' x 5/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Tundra) .....	6.70	0.54
	For Up To 50, Add	1.71	
	For >50 To 200, Add	1.02	
	For >200 To 500, Add	0.42	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.34	
	For >5,000, Deduct	-0.55	
	For Individual Room Quantities <495, Add	1.02	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0065	SF 2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®) .....	6.25	0.54
	For Up To 50, Add	1.65	
	For >50 To 200, Add	0.98	
	For >200 To 500, Add	0.40	
	For >2,500 To 4,000, Deduct	-0.16	
	For >4,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.51	
	For Individual Room Quantities <495, Add	0.98	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0066	SF 2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®) .....	6.25	0.54
	For Up To 50, Add	1.65	
	For >50 To 200, Add	0.98	
	For >200 To 500, Add	0.40	
	For >2,500 To 4,000, Deduct	-0.16	
	For >4,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.51	
	For Individual Room Quantities <495, Add	0.98	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0067	SF 2' x 2' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	6.25	0.54
	For Up To 50, Add	1.65	
	For >50 To 200, Add	0.98	
	For >200 To 500, Add	0.40	
	For >2,500 To 4,000, Deduct	-0.16	
	For >4,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.51	
	For Individual Room Quantities <495, Add	0.98	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0068	SF 2' x 4' x 3/4" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®).....	6.25	0.54
	For Up To 50, Add	1.65	
	For >50 To 200, Add	0.98	
	For >200 To 500, Add	0.40	
	For >2,500 To 4,000, Deduct	-0.16	
	For >4,000 To 5,000, Deduct	-0.31	
	For >5,000, Deduct	-0.51	
	For Individual Room Quantities <495, Add	0.98	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0069	SF 2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC).....	6.73	0.69
	For Up To 50, Add	1.78	
	For >50 To 200, Add	1.06	
	For >200 To 500, Add	0.43	
	For >2,500 To 4,000, Deduct	-0.17	
	For >4,000 To 5,000, Deduct	-0.34	
	For >5,000, Deduct	-0.55	
	For Individual Room Quantities <495, Add	1.06	
	For Vertical Application, Add	0.86	
	For Ceilings >10' High, Add	0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0070	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	.....	6.73	0.69
		For Up To 50, Add		1.78	
		For >50 To 200, Add		1.06	
		For >200 To 500, Add		0.43	
		For >2,500 To 4,000, Deduct		-0.17	
		For >4,000 To 5,000, Deduct		-0.34	
		For >5,000, Deduct		-0.55	
		For Individual Room Quantities <495, Add		1.06	
		For Vertical Application, Add		0.86	
		For Ceilings >10' High, Add		0.14	
09 51 13 00-0071	SF	2' x 2' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	.....	6.73	0.69
		For Up To 50, Add		1.78	
		For >50 To 200, Add		1.06	
		For >200 To 500, Add		0.43	
		For >2,500 To 4,000, Deduct		-0.17	
		For >4,000 To 5,000, Deduct		-0.34	
		For >5,000, Deduct		-0.55	
		For Individual Room Quantities <495, Add		1.06	
		For Vertical Application, Add		0.86	
		For Ceilings >10' High, Add		0.14	
09 51 13 00-0072	SF	2' x 4' x 7/8" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima High-NRC)	.....	6.73	0.69
		For Up To 50, Add		1.78	
		For >50 To 200, Add		1.06	
		For >200 To 500, Add		0.43	
		For >2,500 To 4,000, Deduct		-0.17	
		For >4,000 To 5,000, Deduct		-0.34	
		For >5,000, Deduct		-0.55	
		For Individual Room Quantities <495, Add		1.06	
		For Vertical Application, Add		0.86	
		For Ceilings >10' High, Add		0.14	
09 51 13 00-0073	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	.....	7.02	0.54
		For Up To 50, Add		1.76	
		For >50 To 200, Add		1.06	
		For >200 To 500, Add		0.44	
		For >2,500 To 4,000, Deduct		-0.18	
		For >4,000 To 5,000, Deduct		-0.35	
		For >5,000, Deduct		-0.57	
		For Individual Room Quantities <495, Add		1.06	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0074	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	.....	7.02	0.54
		For Up To 50, Add		1.76	
		For >50 To 200, Add		1.06	
		For >200 To 500, Add		0.44	
		For >2,500 To 4,000, Deduct		-0.18	
		For >4,000 To 5,000, Deduct		-0.35	
		For >5,000, Deduct		-0.57	
		For Individual Room Quantities <495, Add		1.06	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0075	SF	2' x 2' x 3/4" Thick, Beveled Tegalur Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™)	.....	7.02	0.54
		For Up To 50, Add		1.76	
		For >50 To 200, Add		1.06	
		For >200 To 500, Add		0.44	
		For >2,500 To 4,000, Deduct		-0.18	
		For >4,000 To 5,000, Deduct		-0.35	
		For >5,000, Deduct		-0.57	
		For Individual Room Quantities <495, Add		1.06	
		For Vertical Application, Add		0.80	
		For Ceilings >10' High, Add		0.13	
09 51 13 00-0076	SF	2' x 2' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	.....	7.97	0.54
		For Up To 50, Add		1.96	
		For >50 To 200, Add		1.18	
		For >200 To 500, Add		0.49	
		For >2,500 To 4,000, Deduct		-0.20	
		For >4,000 To 5,000, Deduct		-0.40	
		For >5,000, Deduct		-0.65	
		For Individual Room Quantities <495, Add		1.18	
		For Vertical Application, Add		0.86	
		For Ceilings >10' High, Add		0.14	
09 51 13 00-0077	SF	2' x 4' x 7/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC)	.....	7.86	0.54
		For Up To 50, Add		1.95	
		For >50 To 200, Add		1.17	
		For >200 To 500, Add		0.49	
		For >2,500 To 4,000, Deduct		-0.20	
		For >4,000 To 5,000, Deduct		-0.39	
		For >5,000, Deduct		-0.64	
		For Individual Room Quantities <495, Add		1.17	
		For Vertical Application, Add		0.86	
		For Ceilings >10' High, Add		0.14	



**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 51 13 00-0078	SF 2' x 2' x 7/8" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™ High-NRC) .....	7.91	0.54
	For Up To 50, Add	1.95	
	For >50 To 200, Add	1.18	
	For >200 To 500, Add	0.49	
	For >2,500 To 4,000, Deduct	-0.20	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.64	
	For Individual Room Quantities <495, Add	1.18	
	For Vertical Application, Add	0.86	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0079	SF 2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL).....	7.40	0.54
	For Up To 50, Add	1.82	
	For >50 To 200, Add	1.09	
	For >200 To 500, Add	0.46	
	For >2,500 To 4,000, Deduct	-0.19	
	For >4,000 To 5,000, Deduct	-0.37	
	For >5,000, Deduct	-0.60	
	For Individual Room Quantities <495, Add	1.09	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0080	SF 2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL).....	7.26	0.54
	For Up To 50, Add	1.80	
	For >50 To 200, Add	1.08	
	For >200 To 500, Add	0.45	
	For >2,500 To 4,000, Deduct	-0.18	
	For >4,000 To 5,000, Deduct	-0.36	
	For >5,000, Deduct	-0.59	
	For Individual Room Quantities <495, Add	1.08	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0081	SF 2' x 2' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	8.05	0.69
	For Up To 50, Add	1.98	
	For >50 To 200, Add	1.19	
	For >200 To 500, Add	0.50	
	For >2,500 To 4,000, Deduct	-0.20	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.65	
	For Individual Room Quantities <495, Add	1.19	
	For Vertical Application, Add	0.86	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0082	SF 2' x 4' x 1" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	8.05	0.69
	For Up To 50, Add	1.98	
	For >50 To 200, Add	1.19	
	For >200 To 500, Add	0.50	
	For >2,500 To 4,000, Deduct	-0.20	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.65	
	For Individual Room Quantities <495, Add	1.19	
	For Vertical Application, Add	0.86	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0083	SF 2' x 2' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	8.05	0.54
	For Up To 50, Add	1.98	
	For >50 To 200, Add	1.19	
	For >200 To 500, Add	0.50	
	For >2,500 To 4,000, Deduct	-0.20	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.65	
	For Individual Room Quantities <495, Add	1.19	
	For Vertical Application, Add	0.86	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0084	SF 2' x 4' x 1" Thick, Beveled Tegular Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Calla).....	8.05	0.69
	For Up To 50, Add	1.98	
	For >50 To 200, Add	1.19	
	For >200 To 500, Add	0.50	
	For >2,500 To 4,000, Deduct	-0.20	
	For >4,000 To 5,000, Deduct	-0.40	
	For >5,000, Deduct	-0.65	
	For Individual Room Quantities <495, Add	1.19	
	For Vertical Application, Add	0.86	
	For Ceilings >10' High, Add	0.14	
09 51 13 00-0085	SF 20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2617).....	2.97	0.54
	For Individual Room Quantities <495, Add	0.65	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0086	SF 20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ 2627).....	3.05	0.54
	For Individual Room Quantities <495, Add	0.66	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	
09 51 13 00-0087	SF 2' x 4' x 3/4" Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™ Illusion Basic Two 2742).....	4.49	0.54
	For Individual Room Quantities <495, Add	0.80	
	For Vertical Application, Add	0.80	
	For Ceilings >10' High, Add	0.13	

09 51 13 00-0088 Clean Room, Mineral Fiber Acoustical Ceiling Panels (09 51 13 00-0011)  
 Note: Includes square or tegular edge and class A fire rating.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 13 00-0089	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL).....	6.88	0.82	
		<i>For Up To 50, Add</i>	1.65		
		<i>For &gt;50 To 200, Add</i>	1.00		
		<i>For &gt;200 To 500, Add</i>	0.42		
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.17		
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.34		
		<i>For &gt;5,000, Deduct</i>	-0.55		
		<i>For Individual Room Quantities &lt;495, Add</i>	1.00		
		<i>For Vertical Application, Add</i>	0.70		
		<i>For Ceilings &gt;10' High, Add</i>	0.12		
09 51 13 00-0090	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ VL).....	6.87	0.82	
		<i>For Up To 50, Add</i>	1.64		
		<i>For &gt;50 To 200, Add</i>	0.99		
		<i>For &gt;200 To 500, Add</i>	0.42		
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.17		
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.34		
		<i>For &gt;5,000, Deduct</i>	-0.55		
		<i>For Individual Room Quantities &lt;495, Add</i>	0.99		
		<i>For Vertical Application, Add</i>	0.68		
		<i>For Ceilings &gt;10' High, Add</i>	0.11		
09 51 13 00-0091	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL).....	12.65	0.82	
		<i>For Up To 50, Add</i>	2.52		
		<i>For &gt;50 To 200, Add</i>	1.58		
		<i>For &gt;200 To 500, Add</i>	0.71		
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.32		
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.63		
		<i>For &gt;5,000, Deduct</i>	-0.99		
		<i>For Individual Room Quantities &lt;495, Add</i>	1.58		
		<i>For Vertical Application, Add</i>	0.70		
		<i>For Ceilings &gt;10' High, Add</i>	0.12		
09 51 13 00-0092	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Border Panel (Armstrong Clean Room™ FL).....	12.49	0.82	
		<i>For Up To 50, Add</i>	2.48		
		<i>For &gt;50 To 200, Add</i>	1.55		
		<i>For &gt;200 To 500, Add</i>	0.70		
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.31		
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.62		
		<i>For &gt;5,000, Deduct</i>	-0.97		
		<i>For Individual Room Quantities &lt;495, Add</i>	1.55		
		<i>For Vertical Application, Add</i>	0.68		
		<i>For Ceilings &gt;10' High, Add</i>	0.11		
09 51 13 00-0093	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL).....	12.41	0.82	
		<i>For Up To 50, Add</i>	2.48		
		<i>For &gt;50 To 200, Add</i>	1.55		
		<i>For &gt;200 To 500, Add</i>	0.70		
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.31		
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.62		
		<i>For &gt;5,000, Deduct</i>	-0.97		
		<i>For Individual Room Quantities &lt;495, Add</i>	1.55		
		<i>For Vertical Application, Add</i>	0.70		
		<i>For Ceilings &gt;10' High, Add</i>	0.12		
09 51 13 00-0094	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Field Panel (Armstrong Clean Room™ FL).....	12.35	0.82	
		<i>For Up To 50, Add</i>	2.46		
		<i>For &gt;50 To 200, Add</i>	1.54		
		<i>For &gt;200 To 500, Add</i>	0.69		
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.31		
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.62		
		<i>For &gt;5,000, Deduct</i>	-0.96		
		<i>For Individual Room Quantities &lt;495, Add</i>	1.54		
		<i>For Vertical Application, Add</i>	0.68		
		<i>For Ceilings &gt;10' High, Add</i>	0.11		

**09 51 13 00-0095 Vinyl Faced, Gypsum Core Panels** (09 51 13)

Note: National Gypsum Gold Bond Gridstone.

09 51 13 00-0096	SF	2' x 2' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel.....	6.53	0.54	
		<i>For Up To 50, Add</i>	1.59		
		<i>For &gt;50 To 200, Add</i>	0.96		
		<i>For &gt;200 To 500, Add</i>	0.40		
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.16		
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.33		
		<i>For &gt;5,000, Deduct</i>	-0.53		
		<i>For Individual Room Quantities &lt;495, Add</i>	0.96		
		<i>For Ceilings &gt;10' High, Add</i>	0.11		
09 51 13 00-0097	SF	2' x 4' x 1/2", Vinyl Faced, Gypsum Core Ceiling Panel.....	6.36	0.54	
		<i>For Up To 50, Add</i>	1.56		
		<i>For &gt;50 To 200, Add</i>	0.94		
		<i>For &gt;200 To 500, Add</i>	0.39		
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.16		
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.32		
		<i>For &gt;5,000, Deduct</i>	-0.52		
		<i>For Individual Room Quantities &lt;495, Add</i>	0.94		
		<i>For Ceilings &gt;10' High, Add</i>	0.11		

**09 51 13 00-0098 Wood Fiber Panels** (09 51 13)

**09 Finishes****09 50 Ceilings****09 51 Acoustical Ceilings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 51 13 00-0099	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	7.02	0.82
		<i>For Up To 50, Add</i>	2.03	
		<i>For &gt;50 To 200, Add</i>	1.19	
		<i>For &gt;200 To 500, Add</i>	0.47	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.18	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.35	
		<i>For &gt;5,000, Deduct</i>	-0.59	
		<i>For Individual Room Quantities &lt;495, Add</i>	1.19	
		<i>For Ceilings &gt;10' High, Add</i>	0.18	
09 51 13 00-0100	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	6.77	0.82
		<i>For Up To 50, Add</i>	1.89	
		<i>For &gt;50 To 200, Add</i>	1.12	
		<i>For &gt;200 To 500, Add</i>	0.45	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.17	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.34	
		<i>For &gt;5,000, Deduct</i>	-0.56	
		<i>For Individual Room Quantities &lt;495, Add</i>	1.12	
		<i>For Ceilings &gt;10' High, Add</i>	0.16	
09 51 13 00-0101	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	9.06	0.82
		<i>For Up To 50, Add</i>	2.34	
		<i>For &gt;50 To 200, Add</i>	1.39	
		<i>For &gt;200 To 500, Add</i>	0.58	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.23	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.45	
		<i>For &gt;5,000, Deduct</i>	-0.74	
		<i>For Individual Room Quantities &lt;495, Add</i>	1.39	
		<i>For Ceilings &gt;10' High, Add</i>	0.18	
09 51 13 00-0102	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	8.81	0.82
		<i>For Up To 50, Add</i>	2.20	
		<i>For &gt;50 To 200, Add</i>	1.32	
		<i>For &gt;200 To 500, Add</i>	0.55	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.22	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.44	
		<i>For &gt;5,000, Deduct</i>	-0.72	
		<i>For Individual Room Quantities &lt;495, Add</i>	1.32	
		<i>For Ceilings &gt;10' High, Add</i>	0.16	
09 51 13 00-0103	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	11.03	0.82
		<i>For Up To 50, Add</i>	2.63	
		<i>For &gt;50 To 200, Add</i>	1.59	
		<i>For &gt;200 To 500, Add</i>	0.67	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.28	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.55	
		<i>For &gt;5,000, Deduct</i>	-0.89	
		<i>For Individual Room Quantities &lt;495, Add</i>	1.59	
		<i>For Ceilings &gt;10' High, Add</i>	0.18	
09 51 13 00-0104	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	10.78	0.82
		<i>For Up To 50, Add</i>	2.49	
		<i>For &gt;50 To 200, Add</i>	1.52	
		<i>For &gt;200 To 500, Add</i>	0.65	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.27	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.54	
		<i>For &gt;5,000, Deduct</i>	-0.86	
		<i>For Individual Room Quantities &lt;495, Add</i>	1.52	
		<i>For Ceilings &gt;10' High, Add</i>	0.16	
09 51 13 00-0105	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	8.21	0.82
		<i>For Up To 50, Add</i>	2.21	
		<i>For &gt;50 To 200, Add</i>	1.31	
		<i>For &gt;200 To 500, Add</i>	0.53	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.21	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.41	
		<i>For &gt;5,000, Deduct</i>	-0.68	
		<i>For Individual Room Quantities &lt;495, Add</i>	1.31	
		<i>For Ceilings &gt;10' High, Add</i>	0.18	
09 51 13 00-0106	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	7.96	0.82
		<i>For Up To 50, Add</i>	2.07	
		<i>For &gt;50 To 200, Add</i>	1.23	
		<i>For &gt;200 To 500, Add</i>	0.51	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.20	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.40	
		<i>For &gt;5,000, Deduct</i>	-0.65	
		<i>For Individual Room Quantities &lt;495, Add</i>	1.23	
		<i>For Ceilings &gt;10' High, Add</i>	0.16	

**09 51 13 00-0107 Removal And Reinstallation Of Acoustical Ceiling Panels (09 51 13)**

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0108	SF	Removal And Reinstallation Of Acoustical Panels Only	2.80	
		<i>For Up To 50, Add</i>	1.54	
		<i>For &gt;50 To 200, Add</i>	0.84	
		<i>For &gt;200 To 500, Add</i>	0.28	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.07	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-0.14	
		<i>For &gt;5,000, Deduct</i>	-0.28	
		<i>For Ceilings &gt;10' High, Add</i>	0.21	

**09 51 23 Acoustical Tile Ceilings (09 51)**

Note: Includes fastening with staples and/or adhesive.

**09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings (09 51 23)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 23 00-0002	SF		12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile ..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	6.71 0.50 2.37 1.36 0.51 -0.34 0.26	1.50
09 51 23 00-0003	SF		12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500, Deduct</i> <i>For Placing Tiles In Suspended Ceiling System, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	7.94 0.50 2.56 1.48 0.57 -0.40 -0.53 0.26	1.50
09 51 23 00-0004	SF		12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500, Deduct</i> <i>For Placing Tiles In Suspended Ceiling System, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	8.93 0.50 2.71 1.58 0.62 -0.45 -0.53 0.26	1.50
<b>09 51 23 00-0005</b>			<b>Wood Fiber Acoustical Tile Ceilings (09 51 23)</b>		
09 51 23 00-0006	SF		12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile..... <i>For Furring 1 x 3 Strips 12" On Center, Add</i> <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	6.20 0.50 2.30 1.30 0.48 -0.31 0.26	1.50
<b>09 51 33</b>			<b>Acoustical Metal Pan Ceilings (09 51)</b>		
<b>09 51 33 13</b>			<b>Acoustical Snap-in Metal Pan Ceilings (09 51 33)</b>		
09 51 33 13-0001			Acoustical Snap-In Metal Pan Ceilings (09 51 33 13)		
09 51 33 13-0002			Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13-0001)		
09 51 33 13-0003	SF		24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	24.03 4.56 2.88 1.32 -0.60 -1.20 -1.86 0.18	1.20
09 51 33 13-0004	SF		24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	25.70 4.81 3.05 1.40 -0.64 -1.29 -1.99 0.18	1.20
09 51 33 13-0005			Aluminum, Acoustical Snap-In Metal Ceiling Panels (09 51 33 13-0001)		
09 51 33 13-0006	SF		24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	17.94 3.78 2.34 1.03 -0.45 -0.90 -1.41 0.20	1.37
09 51 33 13-0007	SF		24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	30.38 5.65 3.58 1.66 -0.76 -1.52 -2.35 0.20	1.37
09 51 33 13-0008	SF		24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)..... <i>For Up To 50, Add</i> <i>For &gt;50 To 200, Add</i> <i>For &gt;200 To 500, Add</i> <i>For &gt;2,500 To 4,000, Deduct</i> <i>For &gt;4,000 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i> <i>For Ceilings &gt;10' High, Add</i>	59.36 10.00 6.48 3.10 -1.48 -2.97 -4.52 0.20	1.37

## 09 Finishes

## 09 50 Ceilings

## 09 51 Acoustical Ceilings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0009	SF	24" x 24"	Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.94	1.37
			For Up To 50, Add	5.13	
			For >50 To 200, Add	3.24	
			For >200 To 500, Add	1.48	
			For >2,500 To 4,000, Deduct	-0.67	
			For >4,000 To 5,000, Deduct	-1.35	
			For >5,000, Deduct	-2.09	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0010	SF	24" x 24"	Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.94	1.37
			For Up To 50, Add	3.93	
			For >50 To 200, Add	2.44	
			For >200 To 500, Add	1.08	
			For >2,500 To 4,000, Deduct	-0.47	
			For >4,000 To 5,000, Deduct	-0.95	
			For >5,000, Deduct	-1.49	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0011	SF	24" x 24"	Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	29.60	1.37
			For Up To 50, Add	5.53	
			For >50 To 200, Add	3.51	
			For >200 To 500, Add	1.62	
			For >2,500 To 4,000, Deduct	-0.74	
			For >4,000 To 5,000, Deduct	-1.48	
			For >5,000, Deduct	-2.29	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0012	SF	24" x 24"	Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	58.91	1.37
			For Up To 50, Add	9.93	
			For >50 To 200, Add	6.44	
			For >200 To 500, Add	3.08	
			For >2,500 To 4,000, Deduct	-1.47	
			For >4,000 To 5,000, Deduct	-2.95	
			For >5,000, Deduct	-4.49	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0013	SF	24" x 24"	Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.71	1.37
			For Up To 50, Add	5.10	
			For >50 To 200, Add	3.22	
			For >200 To 500, Add	1.47	
			For >2,500 To 4,000, Deduct	-0.67	
			For >4,000 To 5,000, Deduct	-1.34	
			For >5,000, Deduct	-2.07	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0014	SF	30" x 30"	Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	24.38	1.37
			For Up To 50, Add	4.75	
			For >50 To 200, Add	2.98	
			For >200 To 500, Add	1.36	
			For >2,500 To 4,000, Deduct	-0.61	
			For >4,000 To 5,000, Deduct	-1.22	
			For >5,000, Deduct	-1.90	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0015	SF	30" x 30"	Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.04	1.37
			For Up To 50, Add	5.90	
			For >50 To 200, Add	3.75	
			For >200 To 500, Add	1.74	
			For >2,500 To 4,000, Deduct	-0.80	
			For >4,000 To 5,000, Deduct	-1.60	
			For >5,000, Deduct	-2.47	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0016	SF	30" x 30"	Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	65.47	1.37
			For Up To 50, Add	10.91	
			For >50 To 200, Add	7.09	
			For >200 To 500, Add	3.41	
			For >2,500 To 4,000, Deduct	-1.64	
			For >4,000 To 5,000, Deduct	-3.27	
			For >5,000, Deduct	-4.98	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0017	SF	30" x 30"	Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.71	1.37
			For Up To 50, Add	5.85	
			For >50 To 200, Add	3.72	
			For >200 To 500, Add	1.72	
			For >2,500 To 4,000, Deduct	-0.79	
			For >4,000 To 5,000, Deduct	-1.59	
			For >5,000, Deduct	-2.45	
			For Ceilings >10' High, Add	0.20	
09 51 33 13-0018	SF	30" x 30"	Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.83	1.37
			For Up To 50, Add	4.97	
			For >50 To 200, Add	3.13	
			For >200 To 500, Add	1.43	
			For >2,500 To 4,000, Deduct	-0.65	
			For >4,000 To 5,000, Deduct	-1.29	
			For >5,000, Deduct	-2.01	
			For Ceilings >10' High, Add	0.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0019	SF		30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.82	1.37
			<i>For Up To 50, Add</i>	6.02	
			<i>For &gt;50 To 200, Add</i>	3.83	
			<i>For &gt;200 To 500, Add</i>	1.78	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.82	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.64	
			<i>For &gt;5,000, Deduct</i>	-2.53	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0020	SF		30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	67.69	1.37
			<i>For Up To 50, Add</i>	11.25	
			<i>For &gt;50 To 200, Add</i>	7.32	
			<i>For &gt;200 To 500, Add</i>	3.52	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-1.69	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-3.38	
			<i>For &gt;5,000, Deduct</i>	-5.15	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0021	SF		30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	32.49	1.37
			<i>For Up To 50, Add</i>	5.97	
			<i>For &gt;50 To 200, Add</i>	3.80	
			<i>For &gt;200 To 500, Add</i>	1.76	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.81	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.62	
			<i>For &gt;5,000, Deduct</i>	-2.51	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0022	SF		12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.05	1.37
			<i>For Up To 50, Add</i>	4.40	
			<i>For &gt;50 To 200, Add</i>	2.75	
			<i>For &gt;200 To 500, Add</i>	1.24	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.55	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.10	
			<i>For &gt;5,000, Deduct</i>	-1.72	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0023	SF		12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	36.04	1.37
			<i>For Up To 50, Add</i>	6.50	
			<i>For &gt;50 To 200, Add</i>	4.15	
			<i>For &gt;200 To 500, Add</i>	1.94	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.90	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.80	
			<i>For &gt;5,000, Deduct</i>	-2.77	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0024	SF		12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	64.02	1.37
			<i>For Up To 50, Add</i>	10.70	
			<i>For &gt;50 To 200, Add</i>	6.95	
			<i>For &gt;200 To 500, Add</i>	3.34	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-1.60	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-3.20	
			<i>For &gt;5,000, Deduct</i>	-4.87	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0025	SF		12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.93	1.37
			<i>For Up To 50, Add</i>	5.73	
			<i>For &gt;50 To 200, Add</i>	3.64	
			<i>For &gt;200 To 500, Add</i>	1.68	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.77	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.55	
			<i>For &gt;5,000, Deduct</i>	-2.39	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0026	SF		12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	23.72	1.37
			<i>For Up To 50, Add</i>	4.65	
			<i>For &gt;50 To 200, Add</i>	2.92	
			<i>For &gt;200 To 500, Add</i>	1.32	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.59	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.19	
			<i>For &gt;5,000, Deduct</i>	-1.85	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0027	SF		12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	36.49	1.37
			<i>For Up To 50, Add</i>	6.57	
			<i>For &gt;50 To 200, Add</i>	4.20	
			<i>For &gt;200 To 500, Add</i>	1.96	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.91	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.82	
			<i>For &gt;5,000, Deduct</i>	-2.81	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0028	SF		12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	66.35	1.37
			<i>For Up To 50, Add</i>	11.04	
			<i>For &gt;50 To 200, Add</i>	7.18	
			<i>For &gt;200 To 500, Add</i>	3.45	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-1.66	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-3.32	
			<i>For &gt;5,000, Deduct</i>	-5.04	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	

**09 Finishes**

**09 50 Ceilings**

**09 51 Acoustical Ceilings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0029	SF		12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	31.93	1.37
			<i>For Up To 50, Add</i>	5.88	
			<i>For &gt;50 To 200, Add</i>	3.74	
			<i>For &gt;200 To 500, Add</i>	1.73	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.80	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.60	
			<i>For &gt;5,000, Deduct</i>	-2.46	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0030	SF		24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.48	1.37
			<i>For Up To 50, Add</i>	3.71	
			<i>For &gt;50 To 200, Add</i>	2.29	
			<i>For &gt;200 To 500, Add</i>	1.01	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.44	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.87	
			<i>For &gt;5,000, Deduct</i>	-1.38	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0031	SF		24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.80	1.37
			<i>For Up To 50, Add</i>	5.11	
			<i>For &gt;50 To 200, Add</i>	3.23	
			<i>For &gt;200 To 500, Add</i>	1.48	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.67	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.34	
			<i>For &gt;5,000, Deduct</i>	-2.08	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0032	SF		24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	55.67	1.37
			<i>For Up To 50, Add</i>	9.44	
			<i>For &gt;50 To 200, Add</i>	6.11	
			<i>For &gt;200 To 500, Add</i>	2.92	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-1.39	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-2.78	
			<i>For &gt;5,000, Deduct</i>	-4.24	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0033	SF		24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.47	1.37
			<i>For Up To 50, Add</i>	4.91	
			<i>For &gt;50 To 200, Add</i>	3.09	
			<i>For &gt;200 To 500, Add</i>	1.41	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.64	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.27	
			<i>For &gt;5,000, Deduct</i>	-1.98	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0034	SF		24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	18.59	1.37
			<i>For Up To 50, Add</i>	3.88	
			<i>For &gt;50 To 200, Add</i>	2.41	
			<i>For &gt;200 To 500, Add</i>	1.07	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.46	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.93	
			<i>For &gt;5,000, Deduct</i>	-1.46	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0035	SF		24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	26.58	1.37
			<i>For Up To 50, Add</i>	5.08	
			<i>For &gt;50 To 200, Add</i>	3.20	
			<i>For &gt;200 To 500, Add</i>	1.47	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.66	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.33	
			<i>For &gt;5,000, Deduct</i>	-2.06	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0036	SF		24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	55.78	1.37
			<i>For Up To 50, Add</i>	9.46	
			<i>For &gt;50 To 200, Add</i>	6.12	
			<i>For &gt;200 To 500, Add</i>	2.93	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-1.39	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-2.79	
			<i>For &gt;5,000, Deduct</i>	-4.25	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 51 33 13-0037	SF		24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™).....	25.47	1.37
			<i>For Up To 50, Add</i>	4.91	
			<i>For &gt;50 To 200, Add</i>	3.09	
			<i>For &gt;200 To 500, Add</i>	1.41	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.64	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.27	
			<i>For &gt;5,000, Deduct</i>	-1.98	
			<i>For Ceilings &gt;10' High, Add</i>	0.20	

**09 51 33 23 Acoustical Lay-in Metal Pan Ceilings (09 51 33)**

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings (09 51 33 23)

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0003	SF	24" x 24"	Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	18.71	1.03
			<i>For Up To 50, Add</i>	3.63	
			<i>For &gt;50 To 200, Add</i>	2.28	
			<i>For &gt;200 To 500, Add</i>	1.04	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.47	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.94	
			<i>For &gt;5,000, Deduct</i>	-1.45	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0004	SF	24" x 24"	Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	21.20	1.03
			<i>For Up To 50, Add</i>	4.00	
			<i>For &gt;50 To 200, Add</i>	2.53	
			<i>For &gt;200 To 500, Add</i>	1.16	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.53	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.06	
			<i>For &gt;5,000, Deduct</i>	-1.64	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0005	SF	24" x 24"	Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	31.20	1.03
			<i>For Up To 50, Add</i>	5.50	
			<i>For &gt;50 To 200, Add</i>	3.53	
			<i>For &gt;200 To 500, Add</i>	1.66	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.78	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.56	
			<i>For &gt;5,000, Deduct</i>	-2.39	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0006	SF	24" x 24"	Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	26.48	1.03
			<i>For Up To 50, Add</i>	4.79	
			<i>For &gt;50 To 200, Add</i>	3.06	
			<i>For &gt;200 To 500, Add</i>	1.43	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.66	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.32	
			<i>For &gt;5,000, Deduct</i>	-2.04	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0007	SF	24" x 24"	Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	28.42	1.03
			<i>For Up To 50, Add</i>	5.08	
			<i>For &gt;50 To 200, Add</i>	3.25	
			<i>For &gt;200 To 500, Add</i>	1.52	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.71	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.42	
			<i>For &gt;5,000, Deduct</i>	-2.18	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0008	SF	24" x 24"	Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	44.80	1.03
			<i>For Up To 50, Add</i>	7.54	
			<i>For &gt;50 To 200, Add</i>	4.89	
			<i>For &gt;200 To 500, Add</i>	2.34	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-1.12	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-2.24	
			<i>For &gt;5,000, Deduct</i>	-3.41	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0009	SF	30" x 30"	Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	27.99	1.03
			<i>For Up To 50, Add</i>	5.02	
			<i>For &gt;50 To 200, Add</i>	3.21	
			<i>For &gt;200 To 500, Add</i>	1.50	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.70	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.40	
			<i>For &gt;5,000, Deduct</i>	-2.15	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0010	SF	30" x 30"	Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	34.74	1.03
			<i>For Up To 50, Add</i>	6.03	
			<i>For &gt;50 To 200, Add</i>	3.88	
			<i>For &gt;200 To 500, Add</i>	1.84	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.87	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.74	
			<i>For &gt;5,000, Deduct</i>	-2.66	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0011	SF	48" x 48"	Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.14	1.03
			<i>For Up To 50, Add</i>	5.04	
			<i>For &gt;50 To 200, Add</i>	3.22	
			<i>For &gt;200 To 500, Add</i>	1.51	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.70	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.41	
			<i>For &gt;5,000, Deduct</i>	-2.16	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0012	SF	48" x 48"	Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™) .....	34.94	1.03
			<i>For Up To 50, Add</i>	6.06	
			<i>For &gt;50 To 200, Add</i>	3.90	
			<i>For &gt;200 To 500, Add</i>	1.85	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.87	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.75	
			<i>For &gt;5,000, Deduct</i>	-2.67	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0013	SF	12" x 48"	Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™).....	28.28	1.03
			<i>For Up To 50, Add</i>	5.06	
			<i>For &gt;50 To 200, Add</i>	3.24	
			<i>For &gt;200 To 500, Add</i>	1.52	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.71	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.41	
			<i>For &gt;5,000, Deduct</i>	-2.17	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	

**09 Finishes****09 50 Ceilings****09 51 Acoustical Ceilings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	34.81	1.03
		<i>For Up To 50, Add</i>	6.04	
		<i>For &gt;50 To 200, Add</i>	3.89	
		<i>For &gt;200 To 500, Add</i>	1.84	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.87	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.74	
		<i>For &gt;5,000, Deduct</i>	-2.66	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.28	1.03
		<i>For Up To 50, Add</i>	5.06	
		<i>For &gt;50 To 200, Add</i>	3.24	
		<i>For &gt;200 To 500, Add</i>	1.52	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.71	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.41	
		<i>For &gt;5,000, Deduct</i>	-2.17	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	35.08	1.03
		<i>For Up To 50, Add</i>	6.08	
		<i>For &gt;50 To 200, Add</i>	3.92	
		<i>For &gt;200 To 500, Add</i>	1.86	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.88	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.75	
		<i>For &gt;5,000, Deduct</i>	-2.68	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	

**09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels (09 51 33 23-0001)**

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	24.17	1.03
		<i>For Up To 50, Add</i>	4.45	
		<i>For &gt;50 To 200, Add</i>	2.83	
		<i>For &gt;200 To 500, Add</i>	1.31	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.60	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.21	
		<i>For &gt;5,000, Deduct</i>	-1.86	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	28.83	1.03
		<i>For Up To 50, Add</i>	5.14	
		<i>For &gt;50 To 200, Add</i>	3.29	
		<i>For &gt;200 To 500, Add</i>	1.54	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.72	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.44	
		<i>For &gt;5,000, Deduct</i>	-2.21	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	30.94	1.03
		<i>For Up To 50, Add</i>	5.46	
		<i>For &gt;50 To 200, Add</i>	3.50	
		<i>For &gt;200 To 500, Add</i>	1.65	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.77	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.55	
		<i>For &gt;5,000, Deduct</i>	-2.37	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.05	1.03
		<i>For Up To 50, Add</i>	5.18	
		<i>For &gt;50 To 200, Add</i>	3.32	
		<i>For &gt;200 To 500, Add</i>	1.56	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.73	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.45	
		<i>For &gt;5,000, Deduct</i>	-2.23	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	29.83	1.03
		<i>For Up To 50, Add</i>	5.29	
		<i>For &gt;50 To 200, Add</i>	3.39	
		<i>For &gt;200 To 500, Add</i>	1.59	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.75	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.49	
		<i>For &gt;5,000, Deduct</i>	-2.29	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	31.61	1.03
		<i>For Up To 50, Add</i>	5.56	
		<i>For &gt;50 To 200, Add</i>	3.57	
		<i>For &gt;200 To 500, Add</i>	1.68	
		<i>For &gt;2,500 To 4,000, Deduct</i>	-0.79	
		<i>For &gt;4,000 To 5,000, Deduct</i>	-1.58	
		<i>For &gt;5,000, Deduct</i>	-2.42	
		<i>For Ceilings &gt;10' High, Add</i>	0.15	

**09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings (09 51 33)**

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33)

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings (09 51 33 33-0001)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 51 33 33-0003	SF		24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	17.62	1.03
			<i>For Up To 50, Add</i>	3.46	
			<i>For &gt;50 To 200, Add</i>	2.17	
			<i>For &gt;200 To 500, Add</i>	0.98	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.44	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.88	
			<i>For &gt;5,000, Deduct</i>	-1.37	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 33-0004	SF		24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	19.84	1.03
			<i>For Up To 50, Add</i>	3.80	
			<i>For &gt;50 To 200, Add</i>	2.39	
			<i>For &gt;200 To 500, Add</i>	1.09	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.50	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.99	
			<i>For &gt;5,000, Deduct</i>	-1.54	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 33-0005	SF		24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	28.05	1.03
			<i>For Up To 50, Add</i>	5.03	
			<i>For &gt;50 To 200, Add</i>	3.22	
			<i>For &gt;200 To 500, Add</i>	1.51	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.70	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.40	
			<i>For &gt;5,000, Deduct</i>	-2.16	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 33-0006	SF		24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	20.06	1.03
			<i>For Up To 50, Add</i>	3.83	
			<i>For &gt;50 To 200, Add</i>	2.42	
			<i>For &gt;200 To 500, Add</i>	1.11	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.50	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.00	
			<i>For &gt;5,000, Deduct</i>	-1.56	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 33-0007	SF		24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	22.73	1.03
			<i>For Up To 50, Add</i>	4.23	
			<i>For &gt;50 To 200, Add</i>	2.68	
			<i>For &gt;200 To 500, Add</i>	1.24	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.57	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.14	
			<i>For &gt;5,000, Deduct</i>	-1.76	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	
09 51 33 33-0008	SF		24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™).....	30.61	1.03
			<i>For Up To 50, Add</i>	5.41	
			<i>For &gt;50 To 200, Add</i>	3.47	
			<i>For &gt;200 To 500, Add</i>	1.63	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.77	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-1.53	
			<i>For &gt;5,000, Deduct</i>	-2.35	
			<i>For Ceilings &gt;10' High, Add</i>	0.15	

**09 53 Acoustical Ceiling Suspension Assemblies (09 50)**

**09 53 23 Metal Acoustical Ceiling Suspension Assemblies (09 53)**

**09 53 23 00-0001 Ceiling Suspension Systems (09 53 23)**

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF		1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	5.45	0.69
			Note: Excludes ceiling tile.		
			<i>For Fastening To Concrete, Add</i>	1.75	
			<i>For Fastening To Steel, Add</i>	2.05	
			<i>For Vertical Application, Add</i>	2.59	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.57	
			<i>For Up To 50, Add</i>	2.00	
			<i>For &gt;50 To 200, Add</i>	1.14	
			<i>For &gt;200 To 500, Add</i>	0.42	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.12	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.22	
			<i>For &gt;5,000, Deduct</i>	-0.32	
			<i>For Ceilings &gt;10' High, Add</i>	0.22	



## 09 Finishes

## 09 50 Ceilings

## 09 53 Acoustical Ceiling Suspension Assemblies

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0003	SF	1' x 2'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	4.40	0.69
			For UL Listed (Fire Guard), Add	0.29	
			For 1-1/2" Wide Faced Grid, Add	0.53	
			For Fastening To Concrete, Add	1.70	
			For Fastening To Steel, Add	2.00	
			For Vertical Application, Add	2.18	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.47	
			For Aluminum T-Bar System, Add	0.86	
			For Up To 50, Add	1.66	
			For >50 To 200, Add	0.94	
			For >200 To 500, Add	0.34	
			For >2,500 To 4,000, Deduct	-0.10	
			For >4,000 To 5,000, Deduct	-0.18	
			For >5,000, Deduct	-0.26	
			For Ceilings >10' High, Add	0.19	
09 53 23 00-0004	SF	2' x 2'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.67	0.69
			For UL Listed (Fire Guard), Add	0.21	
			For 1-1/2" Wide Faced Grid, Add	0.39	
			For Fastening To Concrete, Add	1.68	
			For Fastening To Steel, Add	1.98	
			For Vertical Application, Add	2.00	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.41	
			For Aluminum T-Bar System, Add	0.63	
			For Up To 50, Add	1.46	
			For >50 To 200, Add	0.82	
			For >200 To 500, Add	0.30	
			For >2,500 To 4,000, Deduct	-0.08	
			For >4,000 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.23	
			For Ceilings >10' High, Add	0.17	
			For Concealed Spline Grid, Add	0.58	
09 53 23 00-0005	SF	2' x 4'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System.....	3.05	0.69
			For UL Listed (Fire Guard), Add	0.17	
			For 1-1/2" Wide Faced Grid, Add	0.32	
			For Fastening To Concrete, Add	1.64	
			For Fastening To Steel, Add	1.94	
			For Vertical Application, Add	1.92	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.34	
			For Aluminum T-Bar System, Add	0.51	
			For Up To 50, Add	1.23	
			For >50 To 200, Add	0.69	
			For >200 To 500, Add	0.25	
			For >2,500 To 4,000, Deduct	-0.07	
			For >4,000 To 5,000, Deduct	-0.13	
			For >5,000, Deduct	-0.19	
			For Ceilings >10' High, Add	0.14	
			For Concealed Spline Grid, Add	0.47	
09 53 23 00-0006	SF	1'-8" To 2' x 5'	Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System .....	2.67	0.69
			For UL Listed (Fire Guard), Add	0.15	
			For 1-1/2" Wide Faced Grid, Add	0.29	
			For Fastening To Concrete, Add	1.61	
			For Fastening To Steel, Add	1.91	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.30	
			For Aluminum T-Bar System, Add	0.46	
			For Up To 50, Add	1.06	
			For >50 To 200, Add	0.60	
			For >200 To 500, Add	0.22	
			For >2,500 To 4,000, Deduct	-0.06	
			For >4,000 To 5,000, Deduct	-0.11	
			For >5,000, Deduct	-0.16	
			For Ceilings >10' High, Add	0.12	
09 53 23 00-0007	SF	2' x 2'	Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System.....	3.96	0.69
			For UL Listed (Fire Guard), Add	0.25	
			For Fastening To Concrete, Add	1.68	
			For Fastening To Steel, Add	1.98	
			For Vertical Application, Add	2.00	
			For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	2.50	
			For Individual Room Quantities <495, Add	0.43	
			For Up To 50, Add	1.51	
			For >50 To 200, Add	0.85	
			For >200 To 500, Add	0.31	
			For >2,500 To 4,000, Deduct	-0.09	
			For >4,000 To 5,000, Deduct	-0.16	
			For >5,000, Deduct	-0.24	
			For Ceilings >10' High, Add	0.17	
			For Black Grid, Add	0.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0008	SF		2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System ..... 3.28		0.69
			<i>For UL Listed (Fire Guard), Add</i>	0.20	
			<i>For Fastening To Concrete, Add</i>	1.64	
			<i>For Fastening To Steel, Add</i>	1.94	
			<i>For Vertical Application, Add</i>	1.92	
			<i>For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add</i>	2.50	
			<i>For Individual Room Quantities &lt;495, Add</i>	0.36	
			<i>For Up To 50, Add</i>	1.26	
			<i>For &gt;50 To 200, Add</i>	0.71	
			<i>For &gt;200 To 500, Add</i>	0.26	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.08	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.14	
			<i>For &gt;5,000, Deduct</i>	-0.20	
			<i>For Ceilings &gt;10' High, Add</i>	0.14	
			<i>For Black Grid, Add</i>	0.17	
<b>09 53 23 00-0009</b>			<b>Ceiling Suspension System Accessories (09 53 23)</b>		
09 53 23 00-0010	LF		Pencil Rod Support For Suspended Ceiling with Accessories ..... 1.62		
			<i>For 304 Stainless Steel, Add</i>	1.91	
			<i>For 316 Stainless Steel, Add</i>	2.14	
			<i>For Aluminum, Add</i>	0.12	
			<i>For Galvanized Steel, Add</i>	0.42	
09 53 23 00-0011	LF		1-1/2" Steel Running Channel For Suspended Ceiling ..... 11.81		5.50
			<i>For 304 Stainless Steel, Add</i>	7.52	
			<i>For 316 Stainless Steel, Add</i>	8.45	
			<i>For Aluminum, Add</i>	0.48	
			<i>For Galvanized Steel, Add</i>	1.64	
09 53 23 00-0012	EA		Suspended Support Bar For 1-1/2" Channel, Installed 4'-0" On Center Maximum ..... 81.24		30.25
			Note: Includes 3" x 3" x 1/8" steel angle, 1" x 1/8" steel flat bar up to 4', drop clips, and 3/8" diameter bolts with nuts and washers.		
			<i>For 304 Stainless Steel, Add</i>	57.54	
			<i>For 316 Stainless Steel, Add</i>	64.61	
			<i>For Aluminum, Add</i>	3.63	
			<i>For Galvanized Steel, Add</i>	12.52	
09 53 23 00-0013	EA		Suspended Support Rod For 1-1/2" Channel, Installed 4'-0" On Center Maximum ..... 43.41		16.50
			Note: Includes 3" x 3" x 1/8" steel angle, 1/4" galvanized rod, and gat clip.		
			<i>For 304 Stainless Steel, Add</i>	29.64	
			<i>For 316 Stainless Steel, Add</i>	33.28	
			<i>For Aluminum, Add</i>	1.87	
			<i>For Galvanized Steel, Add</i>	6.45	
09 53 23 00-0014	LF		1" x 1/8" Flat Bar Bracing For Suspended Ceiling ..... 3.96		1.92
			<i>For 304 Stainless Steel, Add</i>	3.11	
			<i>For 316 Stainless Steel, Add</i>	3.49	
			<i>For Aluminum, Add</i>	0.20	
			<i>For Galvanized Steel, Add</i>	0.68	
09 53 23 00-0015	LF		1" x 3/16" Flat Bar Bracing For Suspended Ceiling ..... 5.65		2.05
			<i>For 304 Stainless Steel, Add</i>	4.73	
			<i>For 316 Stainless Steel, Add</i>	5.31	
			<i>For Aluminum, Add</i>	0.30	
			<i>For Galvanized Steel, Add</i>	1.03	
09 53 23 00-0016	LF		1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling ..... 7.82		2.19
			<i>For 304 Stainless Steel, Add</i>	9.43	
			<i>For 316 Stainless Steel, Add</i>	10.59	
			<i>For Aluminum, Add</i>	0.60	
			<i>For Galvanized Steel, Add</i>	2.05	
09 53 23 00-0017	LF		1-1/2" Steel T-Bar Channel For Suspended Ceiling ..... 10.71		5.50
			<i>For 304 Stainless Steel, Add</i>	4.39	
			<i>For 316 Stainless Steel, Add</i>	4.93	
			<i>For Aluminum, Add</i>	0.28	
			<i>For Galvanized Steel, Add</i>	0.95	
09 53 23 00-0018	LF		1/2" Lay-In Ceiling Angles For Suspended Ceiling ..... 3.59		1.23
			Note: Use for supporting cove lighting grille in areas without a suspended ceiling system.		
			<i>For Ceilings &gt;10' High, Add</i>	0.20	
09 53 23 00-0019	EA		2", Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee ..... 8.52		0.39
			Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
09 53 23 00-0020	EA		Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling ..... 98.40		27.79
09 53 23 00-0021	EA		>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling ..... 102.05		28.32
09 53 23 00-0022	EA		>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure For Suspended Ceiling ..... 114.83		28.32
<b>09 53 23 00-0023</b>			<b>Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly (09 53 23)</b>		
			Note: 2'x2' Or 2'x4'. Includes storage and cleaning.		
09 53 23 00-0024	SF		Removal And Reinstallation Of 2' x 2' Or 2' x 4' Acoustical Ceiling Tile And Grid Assembly ..... 3.77		
			Note: Suspension system tie wire, wall angles and bracing to remain in place.		
			<i>For Up To 50, Add</i>	2.07	
			<i>For &gt;50 To 200, Add</i>	1.13	
			<i>For &gt;200 To 500, Add</i>	0.38	
			<i>For &gt;2,500 To 4,000, Deduct</i>	-0.09	
			<i>For &gt;4,000 To 5,000, Deduct</i>	-0.19	
			<i>For &gt;5,000, Deduct</i>	-0.28	
			<i>For Ceilings &gt;10' High, Add</i>	0.28	

**09 Finishes****09 50 Ceilings****09 53 Acoustical Ceiling Suspension Assemblies**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 53 23 00-0025	SF	Removal And Reinstallation Of Grid System Assembly.....	1.64	
		Note: Suspension system tie wire, wall angles and bracing to remain in place. Excludes ceiling tiles.		
		For Up To 50, Add	0.90	
		For >50 To 200, Add	0.49	
		For >200 To 500, Add	0.16	
		For >2,500 To 4,000, Deduct	-0.04	
		For >4,000 To 5,000, Deduct	-0.08	
		For >5,000, Deduct	-0.12	
		For Ceilings >10' High, Add	0.12	

**09 53 33 Plastic Acoustical Ceiling Suspension Assemblies (09 53)****09 53 33 00-0001 Fiberglass Reinforced Plastic Ceiling Suspension Systems (09 53 33)**

Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.

09 53 33 00-0002	SF	2' x 2', Fiberglass Reinforced Plastic Ceilings Suspension System .....	17.37	0.69
		Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		
		For Ceilings >10' High, Add	0.26	
09 53 33 00-0003	SF	2' x 4', Fiberglass Reinforced Plastic Ceilings Suspension System .....	15.26	0.69
		Note: Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape.		
		For Ceilings >10' High, Add	0.20	

**09 54 Specialty Ceilings (09 50)****09 54 23 Linear Metal Ceilings (09 54)****09 54 23 00-0001 Linear Ceiling Systems (09 54 23)****09 54 23 00-0002 0.032" Aluminum, Linear Ceiling Systems (09 54 23 00-0001)**

Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.

09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	23.90	2.78
		For Up To 50, Add	6.25	
		For >50 To 200, Add	3.72	
		For >200 To 500, Add	1.53	
		For >2,500, Deduct	-1.20	
		For Ceilings >10' High, Add	0.50	
		For Linear Ceiling Systems Without Filler Strips, Deduct	-4.28	
		For Curved Ceilings, Add	1.55	
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	19.34	2.78
		For Up To 50, Add	5.51	
		For >50 To 200, Add	3.24	
		For >200 To 500, Add	1.29	
		For >2,500, Deduct	-0.97	
		For Ceilings >10' High, Add	0.49	
		For Linear Ceiling Systems Without Filler Strips, Deduct	-2.14	
		For Curved Ceilings, Add	1.52	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System .....	17.56	2.78
		For Up To 50, Add	5.19	
		For >50 To 200, Add	3.03	
		For >200 To 500, Add	1.20	
		For >2,500, Deduct	-0.88	
		For Ceilings >10' High, Add	0.48	
		For Linear Ceiling Systems Without Filler Strips, Deduct	-1.41	
		For Curved Ceilings, Add	1.49	

**09 54 53 Fiberglass Reinforced Panel Ceilings (09 54)****09 54 53 00-0001 Fiberglass Reinforced Plastic Ceiling Panels (09 54 53)**

09 54 53 00-0002	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class A .....	7.76	0.69
		Note: Excludes suspension system.		
		For Up To 50, Add	1.77	
		For >50 To 200, Add	1.08	
		For >200 To 500, Add	0.46	
		For >2,500 To 4,000, Deduct	-0.19	
		For >4,000 To 5,000, Deduct	-0.39	
		For >5,000, Deduct	-0.62	
		For Individual Room Quantities <495, Add	1.08	
		For Ceilings >10' High, Add	0.11	
09 54 53 00-0003	SF	2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.12" Nominal Thickness, Fire Class A .....	10.31	0.69
		Note: Excludes suspension system.		
		For Up To 50, Add	2.17	
		For >50 To 200, Add	1.34	
		For >200 To 500, Add	0.59	
		For >2,500 To 4,000, Deduct	-0.26	
		For >4,000 To 5,000, Deduct	-0.52	
		For >5,000, Deduct	-0.81	
		For Individual Room Quantities <495, Add	1.34	
		For Ceilings >10' High, Add	0.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 53 00-0004	SF		2' x 2' or 2' x 4' Fiberglass Reinforced Plastic Ceiling Panel, 0.10" Nominal Thickness, Fire Class C.....	5.02	0.69
			Note: Excludes suspension system.		
			For Up To 50, Add	1.36	
			For >50 To 200, Add	0.81	
			For >200 To 500, Add	0.33	
			For >2,500 To 4,000, Deduct	-0.13	
			For >4,000 To 5,000, Deduct	-0.25	
			For >5,000, Deduct	-0.41	
			For Individual Room Quantities <495, Add	0.81	
			For Ceilings >10' High, Add	0.11	

**09 60 Flooring** (09)

Note: Perform moisture testing as recommended by manufacturer.

**09 61 Flooring Treatment** (09 60)

**09 61 13 Slip-Resistant Flooring Treatment** (09 61)

**09 61 13 00-0001 Anti-Slip Tape** (09 61 13)

Note: Grit sandpaper surface with adhesive back.

09 61 13 00-0002	LF		1" Anti-Slip Tape.....	3.52	2.73
09 61 13 00-0003	LF		2" Anti-Slip Tape.....	4.40	3.00
09 61 13 00-0004	LF		3" Anti-Slip Tape.....	5.28	3.31
09 61 13 00-0005	LF		4" Anti-Slip Tape.....	6.11	3.64
09 61 13 00-0006	LF		6" Anti-Slip Tape.....	7.73	4.00
09 61 13 00-0007	LF		12" Anti-Slip Tape.....	13.42	6.00
09 61 13 00-0008	LF		24" Anti-Slip Tape.....	19.05	9.01

**09 63 Masonry Flooring** (09 60)

**09 63 13 Brick Flooring** (09 63)

**09 63 13 00-0001 Clay Bricks** (09 63 13)

09 63 13 00-0002	SF		2-1/4" Thick Clay Brick Floor.....	32.96	12.47
			For Basket Weave Pattern, Add	2.66	
			For Herringbone Pattern, Add	3.55	
			For Epoxy Joints, Add	6.16	
09 63 13 00-0003	SF		3" Thick Clay Brick Floor.....	36.74	12.47
			For Basket Weave Pattern, Add	2.66	
			For Herringbone Pattern, Add	3.55	
			For Epoxy Joints, Add	6.16	
09 63 13 00-0004	SF		1/2" Thick Unglazed Clay Brick Floor.....	22.33	12.47
			For Basket Weave Pattern, Add	2.66	
			For Herringbone Pattern, Add	3.55	
			For Epoxy Joints, Add	6.16	
09 63 13 00-0005	SF		1/2" Thick Glazed Clay Brick Floor.....	25.76	12.47
			For Basket Weave Pattern, Add	2.66	
			For Herringbone Pattern, Add	3.55	
			For Epoxy Joints, Add	6.16	
09 63 13 00-0006	SF		3/4" Thick Unglazed Clay Brick Floor.....	23.87	12.47
			For Basket Weave Pattern, Add	2.66	
			For Herringbone Pattern, Add	3.55	
			For Epoxy Joints, Add	6.16	
09 63 13 00-0007	SF		3/4" Thick Glazed Clay Brick Floor.....	28.41	12.47
			For Basket Weave Pattern, Add	2.66	
			For Herringbone Pattern, Add	3.55	
			For Epoxy Joints, Add	6.16	
09 63 13 00-0008	SF		15/16" Thick Unglazed Clay Brick Floor.....	25.34	12.47
			For Basket Weave Pattern, Add	2.66	
			For Herringbone Pattern, Add	3.55	
			For Epoxy Joints, Add	6.16	
09 63 13 00-0009	SF		15/16" Thick Glazed Clay Brick Floor.....	31.10	12.47
			For Basket Weave Pattern, Add	2.66	
			For Herringbone Pattern, Add	3.55	
			For Epoxy Joints, Add	6.16	

**09 63 43 Composition Stone Flooring** (09 63)

**09 63 43 00-0001 Cupric Oxychloride Cement, Seamless Flooring System** (09 63 43)

Note: Chemical and slip resistant. OSHA and USDA approved.

09 63 43 00-0002	SF		3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied.....	22.25	7.82
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**09 64 Wood Flooring** (09 60)

**09 64 13 Wood Flooring Underlayment** (09 64)

**09 64 13 00-0001 Wood Flooring Underlayment** (09 64 13)

09 64 13 00-0002	SF		Regular Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.69	
09 64 13 00-0003	SF		Heavy Weight Red Rosin Paper, Wood Flooring Underlayment.....	0.71	
09 64 13 00-0004	SF		30 LB, Waxed Paper, Wood Flooring Underlayment.....	0.74	
09 64 13 00-0005	SF		15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment.....	0.79	
09 64 13 00-0006	SF		6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.74	
09 64 13 00-0007	SF		8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment.....	0.79	
09 64 13 00-0008	SF		1/8" Thick, Natural Cork, Wood Flooring Underlayment.....	2.71	0.49
09 64 13 00-0009	SF		1/4" Thick, Natural Cork, Wood Flooring Underlayment.....	2.83	0.49

**09 Finishes**

**09 60 Flooring**

**09 64 Wood Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 64 13 00-0010	SF		3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15) .....	1.09	
09 64 13 00-0011	SF		2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180) .....	1.32	
09 64 13 00-0012	SF		4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193) .....	1.41	
09 64 13 00-0013	SF		2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026) .....	1.67	
09 64 13 00-0014	SF		1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105) .....	1.69	0.32

**09 64 23 Wood Parquet Flooring (09 64)**

**09 64 23 00-0001 Hardwood Parquet Flooring (09 64 23)**

09 64 23 00-0002	SF		5/16" Thick Oak Parquet Flooring .....	13.57	1.37
			<i>For Up To 20, Add</i>	5.88	
			<i>For &gt;20 To 50, Add</i>	3.07	
			<i>For &gt;50 To 100, Add</i>	1.53	
			<i>For &gt;100 To 300, Add</i>	0.77	

**09 64 29 Wood Strip and Plank Flooring (09 64)**

Note: All wood strip flooring is unfinished, tongue and groove.

**09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring (09 64 29)**

09 64 29 00-0002	SF		3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring .....	15.79	1.37
			<i>For Factory Finish, Add</i>	0.96	
			<i>For Random Width Floor, Add</i>	3.64	
			<i>For Up To 20, Add</i>	5.14	
			<i>For &gt;20 To 50, Add</i>	2.81	
			<i>For &gt;50 To 100, Add</i>	1.40	
			<i>For &gt;100 To 300, Add</i>	0.70	

**09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring (09 64 29)**

**09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring (09 64 29 00-0003)**

09 64 29 00-0005	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring .....	13.07	1.37
			<i>For Factory Finish, Add</i>	0.50	
			<i>For Random Width Floor, Add</i>	2.87	
			<i>For Up To 20, Add</i>	5.58	
			<i>For &gt;20 To 50, Add</i>	2.92	
			<i>For &gt;50 To 100, Add</i>	1.46	
			<i>For &gt;100 To 300, Add</i>	0.73	
09 64 29 00-0006	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring .....	13.72	1.37
			<i>For Factory Finish, Add</i>	0.57	
			<i>For Random Width Floor, Add</i>	3.03	
			<i>For Up To 20, Add</i>	5.68	
			<i>For &gt;20 To 50, Add</i>	2.98	
			<i>For &gt;50 To 100, Add</i>	1.49	
			<i>For &gt;100 To 300, Add</i>	0.75	
09 64 29 00-0007	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring .....	14.71	1.37
			<i>For Factory Finish, Add</i>	0.67	
			<i>For Random Width Floor, Add</i>	3.28	
			<i>For Up To 20, Add</i>	5.82	
			<i>For &gt;20 To 50, Add</i>	3.08	
			<i>For &gt;50 To 100, Add</i>	1.54	
			<i>For &gt;100 To 300, Add</i>	0.77	
09 64 29 00-0008	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring .....	11.40	1.37
			<i>For Factory Finish, Add</i>	0.53	
			<i>For Random Width Floor, Add</i>	2.54	
			<i>For Up To 20, Add</i>	4.48	
			<i>For &gt;20 To 50, Add</i>	2.37	
			<i>For &gt;50 To 100, Add</i>	1.19	
			<i>For &gt;100 To 300, Add</i>	0.59	
09 64 29 00-0009	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring .....	11.92	1.37
			<i>For Factory Finish, Add</i>	0.58	
			<i>For Random Width Floor, Add</i>	2.67	
			<i>For Up To 20, Add</i>	4.56	
			<i>For &gt;20 To 50, Add</i>	2.42	
			<i>For &gt;50 To 100, Add</i>	1.21	
			<i>For &gt;100 To 300, Add</i>	0.61	
09 64 29 00-0010	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring .....	12.93	1.37
			<i>For Factory Finish, Add</i>	0.68	
			<i>For Random Width Floor, Add</i>	2.93	
			<i>For Up To 20, Add</i>	4.71	
			<i>For &gt;20 To 50, Add</i>	2.52	
			<i>For &gt;50 To 100, Add</i>	1.26	
			<i>For &gt;100 To 300, Add</i>	0.63	

**09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring (09 64 29 00-0003)**

09 64 29 00-0012	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring .....	13.18	1.37
			<i>For Factory Finish, Add</i>	0.51	
			<i>For Random Width Floor, Add</i>	2.89	
			<i>For Up To 20, Add</i>	5.60	
			<i>For &gt;20 To 50, Add</i>	2.93	
			<i>For &gt;50 To 100, Add</i>	1.46	
			<i>For &gt;100 To 300, Add</i>	0.73	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0013	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	13.83	1.37
			<i>For Factory Finish, Add</i>	0.58	
			<i>For Random Width Floor, Add</i>	3.06	
			<i>For Up To 20, Add</i>	5.69	
			<i>For &gt;20 To 50, Add</i>	2.99	
			<i>For &gt;50 To 100, Add</i>	1.50	
			<i>For &gt;100 To 300, Add</i>	0.75	
09 64 29 00-0014	SF		2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring .....	14.82	1.37
			<i>For Factory Finish, Add</i>	0.68	
			<i>For Random Width Floor, Add</i>	3.30	
			<i>For Up To 20, Add</i>	5.84	
			<i>For &gt;20 To 50, Add</i>	3.09	
			<i>For &gt;50 To 100, Add</i>	1.55	
			<i>For &gt;100 To 300, Add</i>	0.77	
09 64 29 00-0015	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring.....	11.51	1.37
			<i>For Factory Finish, Add</i>	0.54	
			<i>For Random Width Floor, Add</i>	2.57	
			<i>For Up To 20, Add</i>	4.49	
			<i>For &gt;20 To 50, Add</i>	2.38	
			<i>For &gt;50 To 100, Add</i>	1.19	
			<i>For &gt;100 To 300, Add</i>	0.60	
09 64 29 00-0016	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring.....	12.16	1.37
			<i>For Factory Finish, Add</i>	0.60	
			<i>For Random Width Floor, Add</i>	2.73	
			<i>For Up To 20, Add</i>	4.59	
			<i>For &gt;20 To 50, Add</i>	2.45	
			<i>For &gt;50 To 100, Add</i>	1.22	
			<i>For &gt;100 To 300, Add</i>	0.61	
09 64 29 00-0017	SF		3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring .....	13.04	1.37
			<i>For Factory Finish, Add</i>	0.69	
			<i>For Random Width Floor, Add</i>	2.95	
			<i>For Up To 20, Add</i>	4.72	
			<i>For &gt;20 To 50, Add</i>	2.53	
			<i>For &gt;50 To 100, Add</i>	1.27	
			<i>For &gt;100 To 300, Add</i>	0.63	
<b>09 64 29 00-0018</b>			<b>Unfinished Maple, Wood Strip Flooring (09 64 29)</b>		
<b>09 64 29 00-0019</b>			<b>25/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)</b>		
09 64 29 00-0020	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	15.58	1.37
			<i>For Factory Finish, Add</i>	0.75	
			<i>For Random Width Floor, Add</i>	3.49	
			<i>For Up To 20, Add</i>	5.96	
			<i>For &gt;20 To 50, Add</i>	3.17	
			<i>For &gt;50 To 100, Add</i>	1.58	
			<i>For &gt;100 To 300, Add</i>	0.79	
09 64 29 00-0021	SF		2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	14.49	1.37
			<i>For Factory Finish, Add</i>	0.65	
			<i>For Random Width Floor, Add</i>	3.22	
			<i>For Up To 20, Add</i>	5.79	
			<i>For &gt;20 To 50, Add</i>	3.06	
			<i>For &gt;50 To 100, Add</i>	1.53	
			<i>For &gt;100 To 300, Add</i>	0.76	
09 64 29 00-0022	SF		3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	14.13	1.37
			<i>For Factory Finish, Add</i>	0.80	
			<i>For Random Width Floor, Add</i>	3.23	
			<i>For Up To 20, Add</i>	4.89	
			<i>For &gt;20 To 50, Add</i>	2.64	
			<i>For &gt;50 To 100, Add</i>	1.32	
			<i>For &gt;100 To 300, Add</i>	0.66	
09 64 29 00-0023	SF		3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring.....	13.04	1.37
			<i>For Factory Finish, Add</i>	0.69	
			<i>For Random Width Floor, Add</i>	2.95	
			<i>For Up To 20, Add</i>	4.72	
			<i>For &gt;20 To 50, Add</i>	2.53	
			<i>For &gt;50 To 100, Add</i>	1.27	
			<i>For &gt;100 To 300, Add</i>	0.63	
<b>09 64 29 00-0024</b>			<b>33/32" Thick, Unfinished Maple, Wood Strip Flooring (09 64 29 00-0018)</b>		
09 64 29 00-0025	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	17.94	1.37
			<i>For Factory Finish, Add</i>	0.99	
			<i>For Random Width Floor, Add</i>	4.08	
			<i>For Up To 20, Add</i>	6.31	
			<i>For &gt;20 To 50, Add</i>	3.40	
			<i>For &gt;50 To 100, Add</i>	1.70	
			<i>For &gt;100 To 300, Add</i>	0.85	
09 64 29 00-0026	SF		2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	16.48	1.37
			<i>For Factory Finish, Add</i>	0.84	
			<i>For Random Width Floor, Add</i>	3.72	
			<i>For Up To 20, Add</i>	6.09	
			<i>For &gt;20 To 50, Add</i>	3.26	
			<i>For &gt;50 To 100, Add</i>	1.63	
			<i>For &gt;100 To 300, Add</i>	0.81	

**09 Finishes**

**09 60 Flooring**

**09 64 Wood Flooring**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0027	SF		3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring .....	16.64	1.37
			<i>For Factory Finish, Add</i>	1.05	
			<i>For Random Width Floor, Add</i>	3.85	
			<i>For Up To 20, Add</i>	5.26	
			<i>For &gt;20 To 50, Add</i>	2.89	
			<i>For &gt;50 To 100, Add</i>	1.45	
			<i>For &gt;100 To 300, Add</i>	0.72	
09 64 29 00-0028	SF		3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring .....	15.18	1.37
			<i>For Factory Finish, Add</i>	0.90	
			<i>For Random Width Floor, Add</i>	3.49	
			<i>For Up To 20, Add</i>	5.04	
			<i>For &gt;20 To 50, Add</i>	2.75	
			<i>For &gt;50 To 100, Add</i>	1.37	
			<i>For &gt;100 To 300, Add</i>	0.69	
<b>09 64 29 00-0029</b>			<b>Prefinished Engineered Wood Flooring</b> <small>(09 64 29)</small>		
			Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.		
09 64 29 00-0030	SF		1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring .....	16.80	1.37
			<i>For Up To 20, Add</i>	4.93	
			<i>For &gt;20 To 50, Add</i>	2.75	
			<i>For &gt;50 To 100, Add</i>	1.38	
			<i>For &gt;100 To 300, Add</i>	0.69	
09 64 29 00-0031	SF		1/2" Thick, White Oak, Prefinished Engineered Wood Flooring .....	16.80	1.37
			<i>For Up To 20, Add</i>	4.93	
			<i>For &gt;20 To 50, Add</i>	2.75	
			<i>For &gt;50 To 100, Add</i>	1.38	
			<i>For &gt;100 To 300, Add</i>	0.69	
09 64 29 00-0032	SF		1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring .....	16.80	1.37
			<i>For Up To 20, Add</i>	4.93	
			<i>For &gt;20 To 50, Add</i>	2.75	
			<i>For &gt;50 To 100, Add</i>	1.38	
			<i>For &gt;100 To 300, Add</i>	0.69	
09 64 29 00-0033	SF		1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring .....	17.20	1.37
			<i>For Up To 20, Add</i>	4.99	
			<i>For &gt;20 To 50, Add</i>	2.79	
			<i>For &gt;50 To 100, Add</i>	1.40	
			<i>For &gt;100 To 300, Add</i>	0.70	
<b>09 64 66</b>			<b>Wood Athletic Flooring</b> <small>(09 64)</small>		
			Note: 1-1/2" or 2-1/4" widths. Excludes finish.		
<b>09 64 66 00-0001</b>			<b>Wood Gym/Stage/Dance Floors Applied On Existing Subfloor</b> <small>(09 64 66)</small>		
			Note: Includes sanding. Excludes concrete repairs to subbase, subflooring, thresholds, and finishing.		
09 64 66 00-0002	SF		25/32" Maple Wood Gym/Stage/Dance Floor .....	18.30	6.83
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0003	SF		33/32" Maple Wood Gym/Stage/Dance Floor .....	21.73	7.11
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
<b>09 64 66 00-0004</b>			<b>Wood Gym/Stage/Dance Floor Systems</b> <small>(09 64 66)</small>		
			Note: Includes sanding. Excludes concrete repairs to subbase, thresholds, and finishing.		
09 64 66 00-0005	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion).....	24.35	8.88
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0006	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok).....	25.67	8.88
			Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0007	SF		Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex).....	28.46	8.88
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0008	SF		Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus).....	27.17	8.88
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	
09 64 66 00-0009	SF		Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock).....	30.89	8.88
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
			<i>For #1 Grade Material, Add</i>	0.50	
			<i>For Oak Or Birch, Deduct</i>	-0.20	
			<i>For Pine, Deduct</i>	-0.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 64 66 00-0010**

**Prefinished Wood Exercise/Dance Floors (09 64 66)**

Note: Includes factory sanded, sealed and finished beech and vent cove base. Excludes concrete repairs to subbase and thresholds.

09 64 66 00-0011	SF		Prefinished Floating 7/8" Beech Wood Exercise/Dance Floor System, One Layer Of 3/4" Exeraire Air Cushioning Suspension System With Clips (Exerflex Classic).....	44.02	6.83
			Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" Exeraire air cushioning suspension system and heavy duty spring tempered steel retaining clips.		

**09 65 Resilient Flooring (09 60)**

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

**09 65 13 Resilient Base and Accessories (09 65)**

**09 65 13 13 Resilient Base (09 65 13)**

**09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base (09 65 13 13)**

Note: Includes inside and outside corners.

09 65 13 13-0002	LF		2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	5.15	1.66
			For Up To 20, Add	2.10	
			For >20 To 40, Add	1.18	
			For >40 To 80, Add	0.42	
			For >240 To 960, Deduct	-0.35	
			For >960, Deduct	-0.52	
09 65 13 13-0003	LF		3" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	5.51	1.66
			For Up To 20, Add	2.15	
			For >20 To 40, Add	1.22	
			For >40 To 80, Add	0.44	
			For >240 To 960, Deduct	-0.39	
			For >960, Deduct	-0.58	
09 65 13 13-0004	LF		4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	5.84	1.66
			For Up To 20, Add	2.20	
			For >20 To 40, Add	1.25	
			For >40 To 80, Add	0.46	
			For >240 To 960, Deduct	-0.42	
			For >960, Deduct	-0.63	
09 65 13 13-0005	LF		4-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	6.16	1.66
			For Up To 20, Add	2.25	
			For >20 To 40, Add	1.28	
			For >40 To 80, Add	0.47	
			For >240 To 960, Deduct	-0.45	
			For >960, Deduct	-0.68	
09 65 13 13-0006	LF		6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors .....	7.32	1.66
			For Up To 20, Add	2.43	
			For >20 To 40, Add	1.40	
			For >40 To 80, Add	0.53	
			For >240 To 960, Deduct	-0.57	
			For >960, Deduct	-0.85	

**09 65 13 13-0007 Type TP Thermoplastic Rubber Wall Base (09 65 13 13)**

Note: Includes inside and outside corners.

09 65 13 13-0008	LF		2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	5.59	1.66
			For Up To 20, Add	2.17	
			For >20 To 40, Add	1.22	
			For >40 To 80, Add	0.45	
			For >240 To 960, Deduct	-0.39	
			For >960, Deduct	-0.59	
09 65 13 13-0009	LF		3" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	6.05	1.66
			For Up To 20, Add	2.24	
			For >20 To 40, Add	1.27	
			For >40 To 80, Add	0.47	
			For >240 To 960, Deduct	-0.44	
			For >960, Deduct	-0.66	
09 65 13 13-0010	LF		4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	6.11	1.66
			For Up To 20, Add	2.24	
			For >20 To 40, Add	1.28	
			For >40 To 80, Add	0.47	
			For >240 To 960, Deduct	-0.45	
			For >960, Deduct	-0.67	
09 65 13 13-0011	LF		4-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	6.46	1.66
			For Up To 20, Add	2.30	
			For >20 To 40, Add	1.31	
			For >40 To 80, Add	0.49	
			For >240 To 960, Deduct	-0.48	
			For >960, Deduct	-0.72	
09 65 13 13-0012	LF		6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	7.55	1.66
			For Up To 20, Add	2.46	
			For >20 To 40, Add	1.42	
			For >40 To 80, Add	0.54	
			For >240 To 960, Deduct	-0.59	
			For >960, Deduct	-0.88	
09 65 13 13-0013	LF		2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	9.57	1.66
			For Up To 20, Add	2.76	
			For >20 To 40, Add	1.62	
			For >40 To 80, Add	0.64	
			For >240 To 960, Deduct	-0.79	
			For >960, Deduct	-1.19	

**09 Finishes****09 60 Flooring****09 65 Resilient Flooring**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 65 13 13-0014	LF 3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	10.01	1.66
	For Up To 20, Add	2.83	
	For >20 To 40, Add	1.67	
	For >40 To 80, Add	0.67	
	For >240 To 960, Deduct	-0.84	
	For >960, Deduct	-1.25	
09 65 13 13-0015	LF 4" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	11.37	1.66
	For Up To 20, Add	3.03	
	For >20 To 40, Add	1.80	
	For >40 To 80, Add	0.73	
	For >240 To 960, Deduct	-0.97	
	For >960, Deduct	-1.46	
09 65 13 13-0016	LF 4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	12.27	1.66
	For Up To 20, Add	3.17	
	For >20 To 40, Add	1.89	
	For >40 To 80, Add	0.78	
	For >240 To 960, Deduct	-1.06	
	For >960, Deduct	-1.59	
09 65 13 13-0017	LF 6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors .....	16.76	1.66
	For Up To 20, Add	3.84	
	For >20 To 40, Add	2.34	
	For >40 To 80, Add	1.00	
	For >240 To 960, Deduct	-1.51	
	For >960, Deduct	-2.27	
<b>09 65 13 13-0018</b>	<b>Type TS Thermoset Vulcanized Rubber Wall Base</b> (09 65 13 13)		
	Note: Includes inside and outside corners.		
09 65 13 13-0019	LF 2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	6.16	1.99
	For Up To 20, Add	2.25	
	For >20 To 40, Add	1.28	
	For >40 To 80, Add	0.47	
	For >240 To 960, Deduct	-0.45	
	For >960, Deduct	-0.68	
09 65 13 13-0020	LF 3" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	6.73	1.99
	For Up To 20, Add	2.34	
	For >20 To 40, Add	1.34	
	For >40 To 80, Add	0.50	
	For >240 To 960, Deduct	-0.51	
	For >960, Deduct	-0.76	
09 65 13 13-0021	LF 4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	6.19	1.66
	For Up To 20, Add	2.26	
	For >20 To 40, Add	1.28	
	For >40 To 80, Add	0.48	
	For >240 To 960, Deduct	-0.45	
	For >960, Deduct	-0.68	
09 65 13 13-0022	LF 4-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	6.54	1.66
	For Up To 20, Add	2.31	
	For >20 To 40, Add	1.32	
	For >40 To 80, Add	0.49	
	For >240 To 960, Deduct	-0.49	
	For >960, Deduct	-0.73	
09 65 13 13-0023	LF 6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors .....	8.94	1.99
	For Up To 20, Add	2.94	
	For >20 To 40, Add	1.69	
	For >40 To 80, Add	0.65	
	For >240 To 960, Deduct	-0.69	
	For >960, Deduct	-1.04	
<b>09 65 13 23</b>	<b>Resilient Stair Treads and Risers</b> (09 65 13)		
	Note: All treads have integral nosing. Abrasive strip modifier includes either 1 or 2 strips running the length of the tread. All colors.		
09 65 13 23-0001	Rubber Stair Treads and Risers (09 65 13 23)		
09 65 13 23-0002	Raised Disc Or Other Patterned Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0003	LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	18.05	2.66
	Note: Raised disc or other pattern.		
	For Abrasive Strip, Add	2.75	
	For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0004	LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	19.41	2.86
	Note: Raised disc or other pattern.		
	For Abrasive Strip, Add	2.75	
	For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0005	LF 5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	23.21	3.06
	Note: Raised disc or other pattern.		
	For Abrasive Strip, Add	2.75	
	For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0006	Smooth Surface Rubber Stair Tread (09 65 13 23-0001)		
09 65 13 23-0007	LF 3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	17.15	2.66
	Note: Smooth surface.		
	For Abrasive Strip, Add	2.75	
	For Photo Luminescent Abrasive Strip, Add	3.75	
09 65 13 23-0008	LF 1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread .....	18.14	2.86
	Note: Smooth surface.		
	For Abrasive Strip, Add	2.75	
	For Photo Luminescent Abrasive Strip, Add	3.75	

<b>Finishes</b>	<b>09</b>	<b>09</b>
<b>Flooring</b>	<b>09 60</b>	
<b>Resilient Flooring</b>	<b>09 65</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread	Note: Smooth surface. For Abrasive Strip, Add For Photo Luminescent Abrasive Strip, Add	21.87	3.07
				2.75	
				3.75	
09 65 13 23-0010		<b>Smooth Surface Rubber Stair Riser</b> (09 65 13 23-0001)			
09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser		10.00	1.59
09 65 13 23-0012		<b>Smooth, Raised Disc or Other Patterned Rubber Landing Mats</b> (09 65 13 23-0001)			
09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats	Note: Smooth, raised disc or other patterned surface.	28.88	2.46
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats	Note: Smooth, raised disc or other patterned surface.	34.42	2.66
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats	Note: Smooth, raised disc or other patterned surface.	37.33	2.99
09 65 13 23-0016		<b>Vinyl Stair Treads and Risers</b> (09 65 13 23)			
09 65 13 23-0017		<b>Ribbed Vinyl Stair Tread</b> (09 65 13 23-0016)			
09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread		20.06	2.42
				2.75	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread		22.15	2.66
				2.75	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread		26.51	2.87
				2.75	
09 65 13 23-0021		<b>Smooth Surface Vinyl Stair Riser</b> (09 65 13 23-0016)			
09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser		11.22	1.59
<b>09 65 13 33</b>		<b>Resilient Accessories</b> (09 65 13)			
09 65 13 33-0001		<b>Flexible Self Leveling Cementitious Underlayments</b> (09 65 13 33)			
09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers		2.26	1.33
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers		3.42	1.33
09 65 13 33-0004		<b>Concrete Floor Prep</b> (09 65 13 33)			
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor	Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.	1.66	
<b>09 65 13 36</b>		<b>Resilient Carpet Transitions</b> (09 65 13)			
09 65 13 36-0001		<b>Vinyl Transition Strip</b> (09 65 13 36)			
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black		2.90	1.20
		For Up To 20, Add		1.10	
		For >20 To 40, Add		0.62	
		For >40 To 80, Add		0.23	
		For >240 To 960, Deduct		-0.21	
		For >960, Deduct		-0.31	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black		2.63	1.20
		For Up To 20, Add		1.06	
		For >20 To 40, Add		0.60	
		For >40 To 80, Add		0.21	
		For >240 To 960, Deduct		-0.18	
		For >960, Deduct		-0.27	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black		2.32	1.20
		For Up To 20, Add		1.01	
		For >20 To 40, Add		0.56	
		For >40 To 80, Add		0.20	
		For >240 To 960, Deduct		-0.15	
		For >960, Deduct		-0.22	
09 65 13 36-0005		<b>Vinyl, Wheeled Traffic Transitions</b> (09 65 13 36)			
09 65 13 36-0006	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)		4.70	1.66
		For Up To 20, Add		1.77	
		For >20 To 40, Add		1.00	
		For >40 To 80, Add		0.37	
		For >240 To 960, Deduct		-0.34	
		For >960, Deduct		-0.51	
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)		4.70	1.66
		For Up To 20, Add		1.77	
		For >20 To 40, Add		1.00	
		For >40 To 80, Add		0.37	
		For >240 To 960, Deduct		-0.34	
		For >960, Deduct		-0.51	



**09 Finishes**

**09 60 Flooring**

**09 65 Resilient Flooring**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 65 13 36-0008	LF 5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D) .....	5.61	1.66
	For Up To 20, Add	1.91	
	For >20 To 40, Add	1.09	
	For >40 To 80, Add	0.41	
	For >240 To 960, Deduct	-0.43	
	For >960, Deduct	-0.64	
09 65 13 36-0009	LF 1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H) .....	8.83	1.66
	For Up To 20, Add	2.39	
	For >20 To 40, Add	1.42	
	For >40 To 80, Add	0.57	
	For >240 To 960, Deduct	-0.75	
	For >960, Deduct	-1.13	
09 65 13 36-0010	LF 1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL) .....	8.85	1.66
	For Up To 20, Add	2.39	
	For >20 To 40, Add	1.42	
	For >40 To 80, Add	0.58	
	For >240 To 960, Deduct	-0.75	
	For >960, Deduct	-1.13	
09 65 13 36-0011	LF 1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT) .....	6.09	1.66
	For Up To 20, Add	1.98	
	For >20 To 40, Add	1.14	
	For >40 To 80, Add	0.44	
	For >240 To 960, Deduct	-0.48	
	For >960, Deduct	-0.71	
09 65 13 36-0012	LF 1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J) .....	8.63	1.66
	For Up To 20, Add	2.36	
	For >20 To 40, Add	1.40	
	For >40 To 80, Add	0.56	
	For >240 To 960, Deduct	-0.73	
	For >960, Deduct	-1.10	
09 65 13 36-0013	LF 1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL) .....	8.91	1.66
	For Up To 20, Add	2.40	
	For >20 To 40, Add	1.42	
	For >40 To 80, Add	0.58	
	For >240 To 960, Deduct	-0.76	
	For >960, Deduct	-1.14	
09 65 13 36-0014	LF 3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K) .....	7.61	1.66
	For Up To 20, Add	2.21	
	For >20 To 40, Add	1.29	
	For >40 To 80, Add	0.51	
	For >240 To 960, Deduct	-0.63	
	For >960, Deduct	-0.94	
09 65 13 36-0015	LF 3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L) .....	8.25	1.66
	For Up To 20, Add	2.30	
	For >20 To 40, Add	1.36	
	For >40 To 80, Add	0.55	
	For >240 To 960, Deduct	-0.69	
	For >960, Deduct	-1.04	
09 65 13 36-0016	LF 1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M) .....	8.91	1.66
	For Up To 20, Add	2.40	
	For >20 To 40, Add	1.42	
	For >40 To 80, Add	0.58	
	For >240 To 960, Deduct	-0.76	
	For >960, Deduct	-1.14	
09 65 13 36-0017	LF 1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N) .....	7.49	1.66
	For Up To 20, Add	2.19	
	For >20 To 40, Add	1.28	
	For >40 To 80, Add	0.51	
	For >240 To 960, Deduct	-0.62	
	For >960, Deduct	-0.92	
09 65 13 36-0018	LF 3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P) .....	6.44	1.66
	For Up To 20, Add	2.03	
	For >20 To 40, Add	1.18	
	For >40 To 80, Add	0.46	
	For >240 To 960, Deduct	-0.51	
	For >960, Deduct	-0.77	
09 65 13 36-0019	LF 3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL) .....	9.14	1.66
	For Up To 20, Add	2.44	
	For >20 To 40, Add	1.45	
	For >40 To 80, Add	0.59	
	For >240 To 960, Deduct	-0.78	
	For >960, Deduct	-1.17	
09 65 13 36-0020	LF 1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q) .....	11.58	1.66
	For Up To 20, Add	2.80	
	For >20 To 40, Add	1.69	
	For >40 To 80, Add	0.71	
	For >240 To 960, Deduct	-1.03	
	For >960, Deduct	-1.54	
09 65 13 36-0021	LF 0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X) .....	6.27	1.66
	For Up To 20, Add	2.00	
	For >20 To 40, Add	1.16	
	For >40 To 80, Add	0.45	
	For >240 To 960, Deduct	-0.49	
	For >960, Deduct	-0.74	
09 65 13 36-0022	LF 0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y) .....	6.36	1.66
	For Up To 20, Add	2.02	
	For >20 To 40, Add	1.17	
	For >40 To 80, Add	0.45	
	For >240 To 960, Deduct	-0.50	
	For >960, Deduct	-0.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 65 13 36-0023	LF		0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z).....	7.12	1.66
			<i>For Up To 20, Add</i>	2.13	
			<i>For &gt;20 To 40, Add</i>	1.24	
			<i>For &gt;40 To 80, Add</i>	0.49	
			<i>For &gt;240 To 960, Deduct</i>	-0.58	
			<i>For &gt;960, Deduct</i>	-0.87	

**09 65 16 Resilient Sheet Flooring (09 65)**  
 Note: Includes mastic and cleaning floor after installation is complete.

**09 65 16 23 Vinyl Sheet Flooring (09 65 16)**

**09 65 16 23-0001 Vinyl Sheet Flooring (09 65 16 23)**

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF		0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring .....	11.93	1.00
			<i>For Up To 40, Add</i>	5.03	
			<i>For &gt;40 To 100, Add</i>	2.51	
			<i>For &gt;1,000, Deduct</i>	-0.99	
09 65 16 23-0003	SF		0.080" Overall Thickness, 0.060" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring .....	9.81	1.00
			<i>For Up To 40, Add</i>	4.60	
			<i>For &gt;40 To 100, Add</i>	2.30	
			<i>For &gt;1,000, Deduct</i>	-0.78	
09 65 16 23-0004	SF		0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring.....	6.52	1.00
			<i>For Up To 40, Add</i>	3.94	
			<i>For &gt;40 To 100, Add</i>	1.97	
			<i>For &gt;1,000, Deduct</i>	-0.45	
09 65 16 23-0005	SF		0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring.....	8.36	1.00
			<i>For Up To 40, Add</i>	4.31	
			<i>For &gt;40 To 100, Add</i>	2.16	
			<i>For &gt;1,000, Deduct</i>	-0.63	
09 65 16 23-0006	SF		0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring .....	11.08	1.00
			<i>For Up To 40, Add</i>	4.86	
			<i>For &gt;40 To 100, Add</i>	2.43	
			<i>For &gt;1,000, Deduct</i>	-0.91	
09 65 16 23-0007	SF		0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring .....	15.17	1.00
			<i>For Up To 40, Add</i>	5.67	
			<i>For &gt;40 To 100, Add</i>	2.84	
			<i>For &gt;1,000, Deduct</i>	-1.31	

**09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams (09 65 16 23)**

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF		Heat Weld Non-Patterned Vinyl Sheet Flooring Seams.....	9.22	
09 65 16 23-0010	LF		Heat Weld Patterned Vinyl Sheet Flooring Seams .....	9.67	

**09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners (09 65 16 23)**

Note: Excludes heat welding.

09 65 16 23-0012	EA		Forming Vinyl Sheet Flooring Inside/Outside Cove Corners.....	22.16	
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**09 65 16 23-0013 Vinyl Sheet Flooring Accessories (09 65 16 23)**

09 65 16 23-0014	LF		1/2" Radius Vinyl Cove Filler Strip .....	4.95	
09 65 16 23-0015	LF		1-1/4" Radius Vinyl Cove Filler Strip.....	4.53	
09 65 16 23-0016	LF		1-1/2" Radius Vinyl Cove Filler Strip.....	6.72	
09 65 16 23-0017	LF		1/8" Aluminum Cove Cap.....	3.71	

**09 65 19 Resilient Tile Flooring (09 65)**

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

**09 65 19 19 Vinyl Composition Tile Flooring (09 65 19)**

**09 65 19 19-0001 Vinyl Composition Tile (VCT) (09 65 19 19)**

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®) .....	4.62	1.99
			<i>For 3/32" Thick, Deduct</i>	-0.22	
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	1.68	
			<i>For &gt;20 To 40, Add</i>	0.95	
			<i>For &gt;40 To 80, Add</i>	0.35	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.27	
			<i>For &gt;6,000, Deduct</i>	-0.50	
09 65 19 19-0003	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™).....	4.47	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	1.65	
			<i>For &gt;20 To 40, Add</i>	0.94	
			<i>For &gt;40 To 80, Add</i>	0.35	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.26	
			<i>For &gt;6,000, Deduct</i>	-0.49	

**09 Finishes**

**09 60 Flooring**

**09 65 Resilient Flooring**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0004	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®).....	4.47	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	1.65	
			<i>For &gt;20 To 40, Add</i>	0.94	
			<i>For &gt;40 To 80, Add</i>	0.35	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.10	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.26	
			<i>For &gt;6,000, Deduct</i>	-0.49	
09 65 19 19-0005	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™) .....	6.40	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	1.94	
			<i>For &gt;20 To 40, Add</i>	1.13	
			<i>For &gt;40 To 80, Add</i>	0.44	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.14	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.34	
			<i>For &gt;6,000, Deduct</i>	-0.61	
09 65 19 19-0006	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®).....	6.42	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	1.95	
			<i>For &gt;20 To 40, Add</i>	1.13	
			<i>For &gt;40 To 80, Add</i>	0.44	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.14	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.34	
			<i>For &gt;6,000, Deduct</i>	-0.61	
09 65 19 19-0007	SF		1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®) .....	6.78	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	2.00	
			<i>For &gt;20 To 40, Add</i>	1.17	
			<i>For &gt;40 To 80, Add</i>	0.46	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.15	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.36	
			<i>For &gt;6,000, Deduct</i>	-0.63	
09 65 19 19-0008	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®) .....	6.84	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	2.01	
			<i>For &gt;20 To 40, Add</i>	1.18	
			<i>For &gt;40 To 80, Add</i>	0.47	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.15	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.36	
			<i>For &gt;6,000, Deduct</i>	-0.63	
09 65 19 19-0009	SF		1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™).....	7.07	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	2.04	
			<i>For &gt;20 To 40, Add</i>	1.20	
			<i>For &gt;40 To 80, Add</i>	0.48	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.15	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.37	
			<i>For &gt;6,000, Deduct</i>	-0.65	
09 65 19 19-0010	SF		1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™) .....	9.17	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	2.36	
			<i>For &gt;20 To 40, Add</i>	1.41	
			<i>For &gt;40 To 80, Add</i>	0.58	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.20	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.45	
			<i>For &gt;6,000, Deduct</i>	-0.77	
09 65 19 19-0011	SF		1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™).....	10.00	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-2.34	
			<i>For Up To 20, Add</i>	2.48	
			<i>For &gt;20 To 40, Add</i>	1.49	
			<i>For &gt;40 To 80, Add</i>	0.62	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.21	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.49	
			<i>For &gt;6,000, Deduct</i>	-0.82	
09 65 19 19-0012			<b>Static Dissipative Vinyl Composition Tile (VCT)</b> <small>(09 65 19 19)</small> Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.		
09 65 19 19-0013	SF		1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™).....	19.98	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-3.95	
			<i>For Up To 20, Add</i>	4.66	
			<i>For &gt;20 To 40, Add</i>	2.83	
			<i>For &gt;40 To 80, Add</i>	1.21	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.42	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.94	
			<i>For &gt;6,000, Deduct</i>	-1.57	
09 65 19 19-0014	SF		1/8" Thick, Static Dissipative, Solid Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD) .....	15.52	1.99
			<i>For Extra Stock, Material Only, Deduct</i>	-3.95	
			<i>For Up To 20, Add</i>	3.99	
			<i>For &gt;20 To 40, Add</i>	2.38	
			<i>For &gt;40 To 80, Add</i>	0.98	
			<i>For &gt;1,000 To 3,000, Deduct</i>	-0.33	
			<i>For &gt;3,000 To 6,000, Deduct</i>	-0.77	
			<i>For &gt;6,000, Deduct</i>	-1.31	

**09 65 19 23 Vinyl Tile Flooring** (09 65 19)

09 65 19 23-0001 Vinyl Tile (09 65 19 23)  
Note: Any size.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 65 19 23-0002</b>			<b>Solid Vinyl Tile (SVT)</b> <small>(09 65 19 23-0001)</small> Note: The following solid vinyl tiles are certified to ASTM F 1700.		
09 65 19 23-0003	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande) .....	11.21	1.99
			For Up To 20, Add	3.04	
			For >20 To 40, Add	1.80	
			For >40 To 80, Add	0.73	
			For >1,000 To 3,000, Deduct	-0.24	
			For >3,000 To 6,000, Deduct	-0.57	
			For >6,000, Deduct	-0.98	
09 65 19 23-0004	SF		1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors) .....	11.49	1.99
			For Up To 20, Add	3.08	
			For >20 To 40, Add	1.83	
			For >40 To 80, Add	0.74	
			For >1,000 To 3,000, Deduct	-0.25	
			For >3,000 To 6,000, Deduct	-0.58	
			For >6,000, Deduct	-1.00	
09 65 19 23-0005	SF		1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR) .....	11.70	1.99
			For Up To 20, Add	3.12	
			For >20 To 40, Add	1.85	
			For >40 To 80, Add	0.76	
			For >1,000 To 3,000, Deduct	-0.25	
			For >3,000 To 6,000, Deduct	-0.59	
			For >6,000, Deduct	-1.01	

**09 65 19 33 Rubber Tile Flooring** (09 65 19)

<b>09 65 19 33-0001</b>			<b>Rubber Tile</b> <small>(09 65 19 33)</small>		
<b>09 65 19 33-0002</b>			<b>Rubber Tile With Raised Discs, Assorted Colors</b> <small>(09 65 19 33-0001)</small>		
09 65 19 33-0003	SF		1/8" Thick Rubber Tile With Raised Discs .....	24.12	1.20
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 20, Add	4.60	
			For >20 To 40, Add	2.90	
			For >40 To 100, Add	1.33	
09 65 19 33-0004	SF		3/16" Thick Rubber Tile With Raised Discs .....	29.20	1.33
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 20, Add	5.44	
			For >20 To 40, Add	3.45	
			For >40 To 100, Add	1.59	
09 65 19 33-0005	SF		7/32" Thick Rubber Tile With Raised Discs .....	32.49	1.59
			Note: Smooth, raised disc or other patterned surface.		
			For Up To 20, Add	6.15	
			For >20 To 40, Add	3.89	
			For >40 To 100, Add	1.78	

**09 65 19 43 Polyester Composition Tile Flooring** (09 65 19)

<b>09 65 19 43-0001</b>			<b>Polyester Composition Floor Tile</b> <small>(09 65 19 43)</small> Note: Any size.		
09 65 19 43-0002	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®) .....	9.71	1.99
			For Extra Stock, Material Only, Deduct	-2.34	
			For Up To 20, Add	2.44	
			For >20 To 40, Add	1.46	
			For >40 To 80, Add	0.61	
			For >1,000 To 3,000, Deduct	-0.21	
			For >3,000 To 6,000, Deduct	-0.47	
			For >6,000, Deduct	-0.80	
09 65 19 43-0003	SF		1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®) .....	7.40	1.99
			For Extra Stock, Material Only, Deduct	-2.34	
			For Up To 20, Add	2.09	
			For >20 To 40, Add	1.23	
			For >40 To 80, Add	0.49	
			For >1,000 To 3,000, Deduct	-0.16	
			For >3,000 To 6,000, Deduct	-0.38	
			For >6,000, Deduct	-0.67	

**09 65 43 Linoleum Flooring** (09 65)

Note: Includes mastic and cleaning floor after installation is complete.

<b>09 65 43 00-0001</b>			<b>Linoleum Flooring</b> <small>(09 65 43)</small>		
09 65 43 00-0002	SF		Linoleum Tile (Forbo Marmoleum Composition Tile, MCT) .....	8.18	1.99
			For Up To 20, Add	2.59	
			For >20 To 40, Add	1.50	
			For >40 To 100, Add	0.58	
09 65 43 00-0003	SF		2.5 mm, Linoleum Sheet (Forbo Marmoleum) .....	6.01	1.00
			For Up To 20, Add	1.71	
			For >20 To 40, Add	1.01	
			For >40 To 100, Add	0.40	
			For 3.2mm Thickness, Add	0.80	
			For 2mm Thickness, Deduct	-0.38	
09 65 43 00-0004	LF		Heat Weld Linoleum Sheet Flooring Seams .....	9.23	
			Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		

**09 Finishes**

**09 60 Flooring**

**09 65 Resilient Flooring**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**09 65 66 Resilient Athletic Flooring (09 65)**

<b>09 65 66 00-0001</b>	<b>Recycled Rubber, Interlocking Athletic Tiles (09 65 66)</b>		
09 65 66 00-0002	SF 3/8" Height, Recycled Rubber, Interlocking Athletic Tile .....	8.14	0.93
	<i>For Colors, Add</i>	1.36	
09 65 66 00-0003	SF 1/2" Height, Recycled Rubber, Interlocking Athletic Tile .....	9.49	1.17
	<i>For Colors, Add</i>	1.57	
09 65 66 00-0004	SF 3/4" Height, Recycled Rubber, Interlocking Athletic Tile .....	11.18	1.86
	<i>For Colors, Add</i>	1.70	
09 65 66 00-0005	SF 1" Height, Recycled Rubber, Interlocking Athletic Tile .....	16.09	2.25
	<i>For Colors, Add</i>	2.58	
<b>09 65 66 00-0006</b>	<b>Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles (09 65 66)</b>		
09 65 66 00-0007	SF 3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155) .....	42.15	0.93
	<i>For Colors, Add</i>	5.10	
09 65 66 00-0008	SF 9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100) .....	60.88	0.93
	<i>For Colors, Add</i>	7.44	
09 65 66 00-0009	SF 3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100) .....	44.51	0.93
	<i>For Colors, Add</i>	5.40	
09 65 66 00-0010	SF 9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200) .....	54.72	0.93
	<i>For Colors, Add</i>	6.67	
09 65 66 00-0011	SF 7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150) .....	45.77	0.93
	<i>For Colors, Add</i>	5.56	
<b>09 65 66 00-0012</b>	<b>Polyurethane Floor Systems (09 65 66)</b>		
	See CSI section 09 93 23 53-0015 for game lines.		
09 65 66 00-0013	SF 9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic) .....	26.81	2.66

**09 66 Terrazzo Flooring (09 60)**

**09 66 13 Portland Cement Terrazzo Flooring (09 66)**

Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

**09 66 13 13 Sand Cushion Terrazzo Flooring (09 66 13)**

<b>09 66 13 13-0001</b>	<b>Floors Not Bonded To Concrete (09 66 13 13)</b>		
	Note: 3" Thick - 5/8" topping and 1/4" sand cushion.		
09 66 13 13-0002	SF Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion .....	35.99	3.90
	<i>For Venetian Type Terrazzo, Add</i>	7.60	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.60	
	<i>For Colors, Add</i>	3.80	
	<i>For Up To 100, Add</i>	9.84	
	<i>For &gt;100 To 250, Add</i>	4.92	
09 66 13 13-0003	SF Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion .....	36.14	3.90
	<i>For Venetian Type Terrazzo, Add</i>	7.68	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	7.68	
	<i>For Colors, Add</i>	3.84	
	<i>For Up To 100, Add</i>	9.85	
	<i>For &gt;100 To 250, Add</i>	4.93	

**09 66 13 16 Monolithic Terrazzo Flooring (09 66 13)**

<b>09 66 13 16-0001</b>	<b>Monolithic Terrazzo (09 66 13 16)</b>		
09 66 13 16-0002	SF Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping .....	18.62	3.90
	Note: Including Mesh And Felt		
	<i>For Venetian Type Terrazzo, Add</i>	5.54	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	5.54	
	<i>For Colors, Add</i>	2.77	
	<i>For Up To 100, Add</i>	4.13	
	<i>For &gt;100 To 250, Add</i>	2.06	

**09 66 13 19 Bonded Terrazzo Flooring (09 66 13)**

<b>09 66 13 19-0001</b>	<b>Floors Bonded To Concrete (09 66 13 19)</b>		
	Note: 1-3/4" Thick - 5/8" topping.		
09 66 13 19-0002	SF Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping .....	28.53	3.90
	<i>For Venetian Type Terrazzo, Add</i>	6.28	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.28	
	<i>For Colors, Add</i>	3.14	
	<i>For Up To 100, Add</i>	7.65	
	<i>For &gt;100 To 250, Add</i>	3.82	
09 66 13 19-0003	SF Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping .....	28.67	3.90
	<i>For Venetian Type Terrazzo, Add</i>	6.35	
	<i>For Abrasive Heavy Duty Terrazzo, Add</i>	6.35	
	<i>For Colors, Add</i>	3.17	
	<i>For Up To 100, Add</i>	7.66	
	<i>For &gt;100 To 250, Add</i>	3.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 66 13 19-0004			<b>Terrazzo Wainscot</b> (09 66 13 19)		
09 66 13 19-0005	SF		1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry ..... <i>For Venetian Type Terrazzo, Add</i>	42.73 4.06	5.19
09 66 13 19-0006			<b>Terrazzo Base</b> (09 66 13 19)		
09 66 13 19-0007	SF		6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry ..... <i>For Venetian Type Terrazzo, Add</i>	38.78 8.86	3.79
09 66 13 19-0008			<b>Terrazzo Curb</b> (09 66 13 19)		
09 66 13 19-0009	LF		6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces ..... <i>For Venetian Type Terrazzo, Add</i>	107.90 11.81	25.28
09 66 13 19-0010			<b>Stairs Cast In Place</b> (09 66 13 19) Note: Topping applied to concrete or metal.		
09 66 13 19-0011	LF		1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	44.40 0.35 0.56 3.90 1.50	7.79
09 66 13 19-0012	LF		Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	114.02 0.35 0.56 3.90 1.50	25.96
09 66 13 19-0013	SF		Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal ..... <i>For Each SF Of Abrasive Surface Finish, Add</i> <i>For Each LF Of Embedded Abrasive Strips, Add</i> <i>For Each LF Of Abrasive Metal Nosing, Add</i> <i>For Each SF Of Landings, Add</i>	44.85 0.35 0.56 3.90 1.50	7.79
09 66 13 19-0014			<b>Divider Strips</b> (09 66 13 19)		
09 66 13 19-0015	LF		1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip.....	7.59	1.30
09 66 13 19-0016	LF		1-1/4" Deep, 14 Gauge, Brass, Divider Strip .....	6.82	1.30
09 66 13 19-0017	LF		1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip .....	11.80	1.30
09 66 13 19-0018	LF		1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip.....	17.52	1.30
09 66 13 19-0019	LF		1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors.....	7.27	1.30
09 66 13 19-0020	LF		1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors.....	10.88	1.30
09 66 13 19-0021	LF		Vinyl Plastic, Divider Strip For Floor .....	6.69	1.30
09 66 16			<b>Terrazzo Floor Tile</b> (09 66)		
09 66 16 13			<b>Portland Cement Terrazzo Floor Tile</b> (09 66 16)		
09 66 16 13-0001			<b>Flooring Tiles</b> (09 66 16 13) Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".		
09 66 16 13-0002			<b>Terrazzo Tiles With Non-Slip Surface</b> (09 66 16 13-0001)		
09 66 16 13-0003	SF		9" x 9" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	34.56 0.36 2.00	3.91
09 66 16 13-0004	SF		12" x 12" x 1" Non-Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	34.51 0.36 2.00	3.91
09 66 16 13-0005	SF		12" x 12" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	39.38 0.36 2.00	3.91
09 66 16 13-0006	SF		18" x 18" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	40.93 0.36 2.00	3.91
09 66 16 13-0007	SF		24" x 24" x 1-1/2" Non-Slip Precast Terrazzo, Thin Set Floor Tile ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	41.45 0.36 2.00	3.91
09 66 16 13-0008			<b>Terrazzo Tile Thin Set</b> (09 66 16 13-0001)		
09 66 16 13-0009	SF		Precast Terrazzo, 1/4" To 1/2" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	33.67 0.36 2.00	3.91
09 66 16 13-0010	SF		Precast Terrazzo, 3/8" To 1" Chips Floor Tiles, Thin Set Gray Cement Bed ..... <i>For White Cement, Add</i> <i>For Venetian Type Terrazzo, Add</i>	35.41 0.36 2.00	3.91
09 66 16 13-0011			<b>Thin Set Terrazzo Wainscot</b> (09 66 16 13-0001)		
09 66 16 13-0012	SF		12" x 12" x 1" Terrazzo Tile Wainscot Thin Set ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	52.18 0.50 1.00	7.59
09 66 16 13-0013	SF		18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set ..... <i>For Each LF Of White Cement, Add</i> <i>For Each LF Of Zinc Toe Strip, Add</i>	59.80 0.50 1.00	7.59

**09 Finishes****09 60 Flooring****09 66 Terrazzo Flooring**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
09 66 16 13-0014		<b>Thin Set Terrazzo Base, Gray Cement</b> (09 66 16 13-0001)			
09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement.....	16.95		3.79
		For Each LF Of White Cement, Add	0.50		
		For Each LF Of Zinc Toe Strip, Add	1.00		
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement.....	18.56		3.79
		For Each LF Of White Cement, Add	0.50		
		For Each LF Of Zinc Toe Strip, Add	1.00		
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement.....	19.52		3.79
		For Each LF Of White Cement, Add	0.50		
		For Each LF Of Zinc Toe Strip, Add	1.00		
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement.....	20.32		3.79
		For Each LF Of White Cement, Add	0.50		
		For Each LF Of Zinc Toe Strip, Add	1.00		
09 66 16 13-0019		<b>Terrazzo Curbs</b> (09 66 16 13-0001)			
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile.....	36.18		5.05
		For Each LF Of White Cement, Add	0.50		
		For Each LF Of Zinc Toe Strip, Add	1.00		
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile.....	35.38		5.05
		For Each LF Of White Cement, Add	0.50		
		For Each LF Of Zinc Toe Strip, Add	1.00		
09 66 16 13-0022		<b>Precast Terrazzo Stair Treads 12" Wide</b> (09 66 16 13-0001)			
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern.....	74.75		5.05
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non-Slip Surface.....	65.11		5.05
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread.....	58.69		5.05
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread.....	68.31		5.05
09 66 16 13-0027		<b>Stair Risers, 1" Thick To 6" High, Straight</b> (09 66 16 13-0001)			
09 66 16 13-0028	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Section, Thin Set.....	35.07		3.79
09 66 16 13-0029	LF	1" To 6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set.....	39.88		3.79
09 66 16 13-0030		<b>Stair Risers, 1" Thick To 6" High, Curved</b> (09 66 16 13-0001)			
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set.....	50.20		3.79
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set.....	53.41		3.79
09 66 16 13-0033		<b>Tread And Riser</b> (09 66 16 13)			
09 66 16 13-0034		<b>Stair Stringers, Notched For Treads And Risers</b> (09 66 16 13-0033)			
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	85.56		10.11
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers.....	102.82		10.11
09 66 16 13-0037		<b>Structural Non-Slip Landings</b> (09 66 16 13-0033)			
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non-Slip.....	61.00		5.05
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non-Slip.....	74.13		5.05
09 66 16 13-0040		<b>Combined Tread And Riser</b> (09 66 16 13-0033)			
09 66 16 13-0041		<b>Straight Sections</b> (09 66 16 13-0040)			
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section.....	128.80		10.11
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section.....	151.28		10.11
09 66 16 13-0044		<b>Curved Sections</b> (09 66 16 13-0040)			
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section.....	159.33		10.11
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section.....	197.86		10.11
09 66 23		<b>Resinous Matrix Terrazzo Flooring</b> (09 66)			
09 66 23 16		<b>Epoxy-Resin Terrazzo Flooring</b> (09 66 23)			
09 66 23 16-0001		<b>Epoxy Terrazzo</b> (09 66 23 16)			
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick.....	26.45		3.90
09 66 33		<b>Conductive Terrazzo Flooring</b> (09 66)			
		Note: For anti-static areas.			
09 66 33 13		<b>Conductive Epoxy-Resin Terrazzo</b> (09 66 33)			
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial.....	25.89		6.32
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial.....	45.76		6.32
09 66 33 16		<b>Conductive Polyester-Resin Terrazzo Flooring</b> (09 66 33)			
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial.....	20.02		6.32
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial.....	32.71		6.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 66 33 19 Conductive Plastic-Matrix Terrazzo Flooring (09 66 33)**

09 66 33 19-0001	SF		Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial .....	22.52	6.32
09 66 33 19-0002	SF		Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial .....	41.58	6.32
09 66 33 19-0003	SF		Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial .....	31.52	6.32
09 66 33 19-0004	SF		Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial .....	36.40	6.32

**09 67 Fluid-Applied Flooring (09 60)**

**09 67 16 Epoxy-Marble Chip Flooring (09 67)**

**09 67 16 00-0001 Epoxy Marble Chip Flooring (09 67 16)**

09 67 16 00-0002	SF		Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base .....	20.58	3.90
			Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
			For Skid Resistant Abrasive Sand Finish, Add	0.09	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.09	
09 67 16 00-0003	SF		Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy .....	21.82	3.90
			Note: Includes primer, 3/16" marble chip coat and top seal coat.		
			For Skid Resistant Abrasive Sand Finish, Add	0.10	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.10	

**09 67 23 Resinous Flooring (09 67)**

**09 67 23 00-0001 Epoxy Resin Flooring (09 67 23)**

			Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 01 30 51-0001 for bead blasting, 03 35 43 00-0001 for additional floor polish grinding.		
09 67 23 00-0002	SF		3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	15.68	8.83
			Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
			For Skid Resistant Abrasive Sand Finish, Add	0.05	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.05	
			For Up To 500, Add	2.88	
			For >500 To 1,000, Add	1.83	
			For >1,000 To 2,000, Add	0.92	
			For >10,000, Deduct	-1.04	
09 67 23 00-0003	SF		3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	22.07	8.83
			Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
			For Skid Resistant Abrasive Sand Finish, Add	0.12	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.12	
			For Up To 500, Add	4.48	
			For >500 To 1,000, Add	2.79	
			For >1,000 To 2,000, Add	1.40	
			For >10,000, Deduct	-1.36	
09 67 23 00-0004	SF		1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	18.85	9.86
			Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
			For Skid Resistant Abrasive Sand Finish, Add	0.06	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.06	
			For Up To 500, Add	3.41	
			For >500 To 1,000, Add	2.18	
			For >1,000 To 2,000, Add	1.09	
			For >10,000, Deduct	-1.27	
09 67 23 00-0005	SF		1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	26.17	9.86
			Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
			For Skid Resistant Abrasive Sand Finish, Add	0.13	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.13	
			For Up To 500, Add	5.24	
			For >500 To 1,000, Add	3.28	
			For >1,000 To 2,000, Add	1.64	
			For >10,000, Deduct	-1.63	
09 67 23 00-0006	SF		3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	21.23	11.04
			Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
			For Skid Resistant Abrasive Sand Finish, Add	0.07	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.07	
			For Up To 500, Add	3.87	
			For >500 To 1,000, Add	2.46	
			For >1,000 To 2,000, Add	1.23	
			For >10,000, Deduct	-1.42	
09 67 23 00-0007	SF		3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound .....	29.00	11.04
			Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
			For Skid Resistant Abrasive Sand Finish, Add	0.15	
			For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	0.15	
			For Up To 500, Add	5.81	
			For >500 To 1,000, Add	3.63	
			For >1,000 To 2,000, Add	1.81	
			For >10,000, Deduct	-1.81	

**09 68 Carpeting (09 60)**

Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.

**09 68 13 Tile Carpeting (09 68)**

**09 68 13 00-0001 Tufted Carpet Tiles (09 68 13)**

Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0002	Non-Patterned Carpet Tiles <small>(09 68 13 00-0001)</small>		
09 68 13 00-0003	SY 18 Ounce, Non-Patterned, Nylon Carpet Tile .....43.06		8.00
	For Up To 15, Add	3.93	
	For >15 To 33, Add	1.96	
	For >200 To 400, Deduct	-0.47	
	For >400 To 600, Deduct	-0.70	
	For >600 To 900, Deduct	-1.47	
	For >900 To 1,500, Deduct	-2.23	
	For >1,500 To 2,200, Deduct	-3.32	
	For >2,200 To 3,500, Deduct	-4.40	
	For >3,500, Deduct	-5.48	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0004	SY 20 Ounce, Non-Patterned, Nylon Carpet Tile .....44.48		8.00
	For Up To 15, Add	3.93	
	For >15 To 33, Add	1.96	
	For >200 To 400, Deduct	-0.50	
	For >400 To 600, Deduct	-0.75	
	For >600 To 900, Deduct	-1.54	
	For >900 To 1,500, Deduct	-2.33	
	For >1,500 To 2,200, Deduct	-3.47	
	For >2,200 To 3,500, Deduct	-4.58	
	For >3,500, Deduct	-5.69	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0005	SY 22 Ounce, Non-Patterned, Nylon Carpet Tile .....48.99		8.00
	For Up To 15, Add	3.93	
	For >15 To 33, Add	1.96	
	For >200 To 400, Deduct	-0.59	
	For >400 To 600, Deduct	-0.88	
	For >600 To 900, Deduct	-1.76	
	For >900 To 1,500, Deduct	-2.64	
	For >1,500 To 2,200, Deduct	-3.92	
	For >2,200 To 3,500, Deduct	-5.14	
	For >3,500, Deduct	-6.37	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0006	SY 24 Ounce, Non-Patterned, Nylon Carpet Tile .....53.39		8.00
	For Up To 15, Add	3.93	
	For >15 To 33, Add	1.96	
	For >200 To 400, Deduct	-0.68	
	For >400 To 600, Deduct	-1.01	
	For >600 To 900, Deduct	-1.98	
	For >900 To 1,500, Deduct	-2.95	
	For >1,500 To 2,200, Deduct	-4.36	
	For >2,200 To 3,500, Deduct	-5.69	
	For >3,500, Deduct	-7.03	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0007	SY 26 Ounce, Non-Patterned, Nylon Carpet Tile .....55.96		8.00
	For Up To 15, Add	3.93	
	For >15 To 33, Add	1.96	
	For >200 To 400, Deduct	-0.73	
	For >400 To 600, Deduct	-1.09	
	For >600 To 900, Deduct	-2.11	
	For >900 To 1,500, Deduct	-3.13	
	For >1,500 To 2,200, Deduct	-4.61	
	For >2,200 To 3,500, Deduct	-6.01	
	For >3,500, Deduct	-7.41	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0008	SY 28 Ounce, Non-Patterned, Nylon Carpet Tile .....58.60		8.00
	For Up To 15, Add	3.93	
	For >15 To 33, Add	1.96	
	For >200 To 400, Deduct	-0.78	
	For >400 To 600, Deduct	-1.17	
	For >600 To 900, Deduct	-2.24	
	For >900 To 1,500, Deduct	-3.32	
	For >1,500 To 2,200, Deduct	-4.88	
	For >2,200 To 3,500, Deduct	-6.34	
	For >3,500, Deduct	-7.81	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0009	SY 30 Ounce, Non-Patterned, Nylon Carpet Tile .....59.38		8.00
	For Up To 15, Add	3.93	
	For >15 To 33, Add	1.96	
	For >200 To 400, Deduct	-0.80	
	For >400 To 600, Deduct	-1.19	
	For >600 To 900, Deduct	-2.28	
	For >900 To 1,500, Deduct	-3.37	
	For >1,500 To 2,200, Deduct	-4.96	
	For >2,200 To 3,500, Deduct	-6.44	
	For >3,500, Deduct	-7.93	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0010	SY 32 Ounce, Non-Patterned, Nylon Carpet Tile .....59.87		8.00
	For Up To 15, Add	3.93	
	For >15 To 33, Add	1.96	
	For >200 To 400, Deduct	-0.80	
	For >400 To 600, Deduct	-1.21	
	For >600 To 900, Deduct	-2.31	
	For >900 To 1,500, Deduct	-3.41	
	For >1,500 To 2,200, Deduct	-5.01	
	For >2,200 To 3,500, Deduct	-6.50	
	For >3,500, Deduct	-8.00	
	For Cushion Backed Tile, Add	6.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0011	SY	34 Ounce, Non-Patterned, Nylon Carpet Tile	.....	60.28	8.00
		<i>For Up To 15, Add</i>		3.93	
		<i>For &gt;15 To 33, Add</i>		1.96	
		<i>For &gt;200 To 400, Deduct</i>		-0.81	
		<i>For &gt;400 To 600, Deduct</i>		-1.22	
		<i>For &gt;600 To 900, Deduct</i>		-2.33	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.43	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-5.05	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-6.55	
		<i>For &gt;3,500, Deduct</i>		-8.06	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0012	SY	36 Ounce, Non-Patterned, Nylon Carpet Tile	.....	61.68	8.00
		<i>For Up To 15, Add</i>		3.93	
		<i>For &gt;15 To 33, Add</i>		1.96	
		<i>For &gt;200 To 400, Deduct</i>		-0.84	
		<i>For &gt;400 To 600, Deduct</i>		-1.26	
		<i>For &gt;600 To 900, Deduct</i>		-2.40	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.53	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-5.19	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-6.73	
		<i>For &gt;3,500, Deduct</i>		-8.27	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0013	SY	38 Ounce, Non-Patterned, Nylon Carpet Tile	.....	64.46	8.00
		<i>For Up To 15, Add</i>		3.93	
		<i>For &gt;15 To 33, Add</i>		1.96	
		<i>For &gt;200 To 400, Deduct</i>		-0.90	
		<i>For &gt;400 To 600, Deduct</i>		-1.34	
		<i>For &gt;600 To 900, Deduct</i>		-2.54	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.73	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-5.46	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-7.08	
		<i>For &gt;3,500, Deduct</i>		-8.69	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0014	SY	40 Ounce, Non-Patterned, Nylon Carpet Tile	.....	67.45	8.00
		<i>For Up To 15, Add</i>		3.93	
		<i>For &gt;15 To 33, Add</i>		1.96	
		<i>For &gt;200 To 400, Deduct</i>		-0.96	
		<i>For &gt;400 To 600, Deduct</i>		-1.43	
		<i>For &gt;600 To 900, Deduct</i>		-2.69	
		<i>For &gt;900 To 1,500, Deduct</i>		-3.94	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-5.76	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-7.45	
		<i>For &gt;3,500, Deduct</i>		-9.14	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0015	SY	42 Ounce, Non-Patterned, Nylon Carpet Tile	.....	73.19	8.00
		<i>For Up To 15, Add</i>		3.93	
		<i>For &gt;15 To 33, Add</i>		1.96	
		<i>For &gt;200 To 400, Deduct</i>		-1.07	
		<i>For &gt;400 To 600, Deduct</i>		-1.61	
		<i>For &gt;600 To 900, Deduct</i>		-2.97	
		<i>For &gt;900 To 1,500, Deduct</i>		-4.34	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-6.34	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-8.17	
		<i>For &gt;3,500, Deduct</i>		-10.00	
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>		2.00	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0016	SY	Installation Of Owner Provided Non-Patterned Carpet Tiles	.....	19.18	
09 68 13 00-0017		<b>Patterned Carpet Tiles</b> <small>(09 68 13 00-0001)</small>			
		Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.			
09 68 13 00-0018	SY	15 Ounce, Patterned, Nylon Carpet Tile	.....	44.61	8.00
		<i>For Up To 15, Add</i>		4.32	
		<i>For &gt;15 To 33, Add</i>		2.16	
		<i>For &gt;200 To 400, Deduct</i>		-0.46	
		<i>For &gt;400 To 600, Deduct</i>		-0.69	
		<i>For &gt;600 To 900, Deduct</i>		-1.47	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.26	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.38	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-4.50	
		<i>For &gt;3,500, Deduct</i>		-5.61	
		<i>For Cushion Backed Tile, Add</i>		6.00	
09 68 13 00-0019	SY	18 Ounce, Patterned, Nylon Carpet Tile	.....	45.02	8.00
		<i>For Up To 15, Add</i>		4.32	
		<i>For &gt;15 To 33, Add</i>		2.16	
		<i>For &gt;200 To 400, Deduct</i>		-0.47	
		<i>For &gt;400 To 600, Deduct</i>		-0.70	
		<i>For &gt;600 To 900, Deduct</i>		-1.50	
		<i>For &gt;900 To 1,500, Deduct</i>		-2.29	
		<i>For &gt;1,500 To 2,200, Deduct</i>		-3.42	
		<i>For &gt;2,200 To 3,500, Deduct</i>		-4.55	
		<i>For &gt;3,500, Deduct</i>		-5.67	
		<i>For Cushion Backed Tile, Add</i>		6.00	



**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 13 00-0020	SY 20 Ounce, Patterned, Nylon Carpet Tile .....	46.82	8.00
	For Up To 15, Add	4.32	
	For >15 To 33, Add	2.16	
	For >200 To 400, Deduct	-0.50	
	For >400 To 600, Deduct	-0.76	
	For >600 To 900, Deduct	-1.59	
	For >900 To 1,500, Deduct	-2.41	
	For >1,500 To 2,200, Deduct	-3.60	
	For >2,200 To 3,500, Deduct	-4.77	
	For >3,500, Deduct	-5.94	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0021	SY 22 Ounce, Patterned, Nylon Carpet Tile .....	51.39	8.00
	For Up To 15, Add	4.32	
	For >15 To 33, Add	2.16	
	For >200 To 400, Deduct	-0.60	
	For >400 To 600, Deduct	-0.89	
	For >600 To 900, Deduct	-1.81	
	For >900 To 1,500, Deduct	-2.73	
	For >1,500 To 2,200, Deduct	-4.06	
	For >2,200 To 3,500, Deduct	-5.34	
	For >3,500, Deduct	-6.63	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0022	SY 24 Ounce, Patterned, Nylon Carpet Tile .....	55.86	8.00
	For Up To 15, Add	4.32	
	For >15 To 33, Add	2.16	
	For >200 To 400, Deduct	-0.69	
	For >400 To 600, Deduct	-1.03	
	For >600 To 900, Deduct	-2.04	
	For >900 To 1,500, Deduct	-3.05	
	For >1,500 To 2,200, Deduct	-4.51	
	For >2,200 To 3,500, Deduct	-5.90	
	For >3,500, Deduct	-7.30	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0023	SY 26 Ounce, Patterned, Nylon Carpet Tile .....	58.47	8.00
	For Up To 15, Add	4.32	
	For >15 To 33, Add	2.16	
	For >200 To 400, Deduct	-0.74	
	For >400 To 600, Deduct	-1.11	
	For >600 To 900, Deduct	-2.17	
	For >900 To 1,500, Deduct	-3.23	
	For >1,500 To 2,200, Deduct	-4.77	
	For >2,200 To 3,500, Deduct	-6.23	
	For >3,500, Deduct	-7.69	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0024	SY 28 Ounce, Patterned, Nylon Carpet Tile .....	61.14	8.00
	For Up To 15, Add	4.32	
	For >15 To 33, Add	2.16	
	For >200 To 400, Deduct	-0.79	
	For >400 To 600, Deduct	-1.19	
	For >600 To 900, Deduct	-2.30	
	For >900 To 1,500, Deduct	-3.42	
	For >1,500 To 2,200, Deduct	-5.03	
	For >2,200 To 3,500, Deduct	-6.56	
	For >3,500, Deduct	-8.09	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0025	SY 30 Ounce, Patterned, Nylon Carpet Tile .....	61.93	8.00
	For Up To 15, Add	4.32	
	For >15 To 33, Add	2.16	
	For >200 To 400, Deduct	-0.81	
	For >400 To 600, Deduct	-1.21	
	For >600 To 900, Deduct	-2.34	
	For >900 To 1,500, Deduct	-3.47	
	For >1,500 To 2,200, Deduct	-5.11	
	For >2,200 To 3,500, Deduct	-6.66	
	For >3,500, Deduct	-8.21	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0026	SY 32 Ounce, Patterned, Nylon Carpet Tile .....	62.43	8.00
	For Up To 15, Add	4.32	
	For >15 To 33, Add	2.16	
	For >200 To 400, Deduct	-0.82	
	For >400 To 600, Deduct	-1.23	
	For >600 To 900, Deduct	-2.37	
	For >900 To 1,500, Deduct	-3.51	
	For >1,500 To 2,200, Deduct	-5.16	
	For >2,200 To 3,500, Deduct	-6.72	
	For >3,500, Deduct	-8.29	
	For Cushion Backed Tile, Add	6.00	
09 68 13 00-0027	SY 34 Ounce, Patterned, Nylon Carpet Tile .....	62.85	8.00
	For Up To 15, Add	4.32	
	For >15 To 33, Add	2.16	
	For >200 To 400, Deduct	-0.83	
	For >400 To 600, Deduct	-1.24	
	For >600 To 900, Deduct	-2.39	
	For >900 To 1,500, Deduct	-3.54	
	For >1,500 To 2,200, Deduct	-5.21	
	For >2,200 To 3,500, Deduct	-6.78	
	For >3,500, Deduct	-8.35	
	For Cushion Backed Tile, Add	6.00	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 68 13 00-0028	SY	36 Ounce, Patterned, Nylon Carpet Tile .....	64.27		8.00
		For Up To 15, Add	4.32		
		For >15 To 33, Add	2.16		
		For >200 To 400, Deduct	-0.85		
		For >400 To 600, Deduct	-1.28		
		For >600 To 900, Deduct	-2.46		
		For >900 To 1,500, Deduct	-3.64		
		For >1,500 To 2,200, Deduct	-5.35		
		For >2,200 To 3,500, Deduct	-6.95		
		For >3,500, Deduct	-8.56		
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
		For Cushion Backed Tile, Add	6.00		
09 68 13 00-0029	SY	38 Ounce, Patterned, Nylon Carpet Tile .....	67.10		8.00
		For Up To 15, Add	4.32		
		For >15 To 33, Add	2.16		
		For >200 To 400, Deduct	-0.91		
		For >400 To 600, Deduct	-1.37		
		For >600 To 900, Deduct	-2.60		
		For >900 To 1,500, Deduct	-3.83		
		For >1,500 To 2,200, Deduct	-5.63		
		For >2,200 To 3,500, Deduct	-7.31		
		For >3,500, Deduct	-8.99		
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
		For Cushion Backed Tile, Add	6.00		
09 68 13 00-0030	SY	40 Ounce, Patterned, Nylon Carpet Tile .....	70.13		8.00
		For Up To 15, Add	4.32		
		For >15 To 33, Add	2.16		
		For >200 To 400, Deduct	-0.97		
		For >400 To 600, Deduct	-1.46		
		For >600 To 900, Deduct	-2.75		
		For >900 To 1,500, Deduct	-4.05		
		For >1,500 To 2,200, Deduct	-5.93		
		For >2,200 To 3,500, Deduct	-7.69		
		For >3,500, Deduct	-9.44		
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
		For Cushion Backed Tile, Add	6.00		
09 68 13 00-0031	SY	42 Ounce, Patterned, Nylon Carpet Tile .....	75.95		8.00
		For Up To 15, Add	4.32		
		For >15 To 33, Add	2.16		
		For >200 To 400, Deduct	-1.09		
		For >400 To 600, Deduct	-1.63		
		For >600 To 900, Deduct	-3.04		
		For >900 To 1,500, Deduct	-4.45		
		For >1,500 To 2,200, Deduct	-6.52		
		For >2,200 To 3,500, Deduct	-8.41		
		For >3,500, Deduct	-10.31		
		For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00		
		For Cushion Backed Tile, Add	6.00		
09 68 13 00-0032	SY	Installation Of Owner Provided Patterned Carpet Tiles .....	22.04		
<b>09 68 13 00-0033</b>		<b>ESD Static Control Carpet Tiles (StaticSmart Mission Critical Discovery</b>			
		<b>ECO Series)</b> (09 68 13 00-0001)			
		Note: Includes conductive ESD releasable adhesive and grounding clips.			
09 68 13 00-0034	SY	24 Ounce, ESD Static Control, Non-Patterned, Nylon Carpet Tile (StaticSmart Mission Critical Discovery ECO Series) .....	98.94		8.00
		For Up To 15, Add	4.32		
		For >15 To 33, Add	2.16		
		For >200 To 400, Deduct	-1.55		
		For >400 To 600, Deduct	-2.32		
		For >600 To 900, Deduct	-4.19		
		For >900 To 1,500, Deduct	-6.06		
		For >1,500 To 2,200, Deduct	-8.81		
		For >2,200 To 3,500, Deduct	-11.29		
		For >3,500, Deduct	-13.76		
<b>09 68 16</b>		<b>Sheet Carpeting</b> (09 68)			
		Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.			
09 68 16 00-0001		<b>Carpet Cushion</b> (09 68 16)			
09 68 16 00-0002		<b>Carpet Padding</b> (09 68 16 00-0001)			
09 68 16 00-0003		<b>Prime Polyurethane Foam Carpet Padding</b> (09 68 16 00-0002)			
09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding .....	18.71		3.83
		For Up To 15, Add	1.16		
		For >15 To 33, Add	0.58		
		For >200 To 400, Deduct	-0.26		
		For >400 To 600, Deduct	-0.39		
		For >600 To 900, Deduct	-0.73		
		For >900 To 1,500, Deduct	-1.08		
		For >1,500 To 2,200, Deduct	-1.58		
		For >2,200 To 3,500, Deduct	-2.05		
		For >3,500, Deduct	-2.52		

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0005	SY		1/2" Thick, Prime Polyurethane Foam Carpet Padding.....	19.47	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.27	
			For >400 To 600, Deduct	-0.41	
			For >600 To 900, Deduct	-0.77	
			For >900 To 1,500, Deduct	-1.13	
			For >1,500 To 2,200, Deduct	-1.66	
			For >2,200 To 3,500, Deduct	-2.14	
			For >3,500, Deduct	-2.63	
<b>09 68 16 00-0006</b>			<b>Bonded (Rebond) Polyurethane Foam Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0007	SY		1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.10	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.13	
			For >400 To 600, Deduct	-0.19	
			For >600 To 900, Deduct	-0.40	
			For >900 To 1,500, Deduct	-0.62	
			For >1,500 To 2,200, Deduct	-0.92	
			For >2,200 To 3,500, Deduct	-1.22	
			For >3,500, Deduct	-1.53	
09 68 16 00-0008	SY		5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.63	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.21	
			For >600 To 900, Deduct	-0.43	
			For >900 To 1,500, Deduct	-0.65	
			For >1,500 To 2,200, Deduct	-0.97	
			For >2,200 To 3,500, Deduct	-1.29	
			For >3,500, Deduct	-1.61	
09 68 16 00-0009	SY		3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	10.17	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.09	
			For >400 To 600, Deduct	-0.13	
			For >600 To 900, Deduct	-0.31	
			For >900 To 1,500, Deduct	-0.48	
			For >1,500 To 2,200, Deduct	-0.73	
			For >2,200 To 3,500, Deduct	-0.98	
			For >3,500, Deduct	-1.24	
09 68 16 00-0010	SY		3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.28	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.13	
			For >400 To 600, Deduct	-0.19	
			For >600 To 900, Deduct	-0.41	
			For >900 To 1,500, Deduct	-0.63	
			For >1,500 To 2,200, Deduct	-0.94	
			For >2,200 To 3,500, Deduct	-1.25	
			For >3,500, Deduct	-1.55	
09 68 16 00-0011	SY		7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.28	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.13	
			For >400 To 600, Deduct	-0.19	
			For >600 To 900, Deduct	-0.41	
			For >900 To 1,500, Deduct	-0.63	
			For >1,500 To 2,200, Deduct	-0.94	
			For >2,200 To 3,500, Deduct	-1.25	
			For >3,500, Deduct	-1.55	
09 68 16 00-0012	SY		7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.28	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.13	
			For >400 To 600, Deduct	-0.19	
			For >600 To 900, Deduct	-0.41	
			For >900 To 1,500, Deduct	-0.63	
			For >1,500 To 2,200, Deduct	-0.94	
			For >2,200 To 3,500, Deduct	-1.25	
			For >3,500, Deduct	-1.55	
09 68 16 00-0013	SY		7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	13.53	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.15	
			For >400 To 600, Deduct	-0.23	
			For >600 To 900, Deduct	-0.47	
			For >900 To 1,500, Deduct	-0.72	
			For >1,500 To 2,200, Deduct	-1.06	
			For >2,200 To 3,500, Deduct	-1.40	
			For >3,500, Deduct	-1.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0014	SY		1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.16	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.13	
			For >400 To 600, Deduct	-0.19	
			For >600 To 900, Deduct	-0.41	
			For >900 To 1,500, Deduct	-0.62	
			For >1,500 To 2,200, Deduct	-0.93	
			For >2,200 To 3,500, Deduct	-1.23	
			For >3,500, Deduct	-1.53	
09 68 16 00-0015	SY		1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	12.57	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.14	
			For >400 To 600, Deduct	-0.20	
			For >600 To 900, Deduct	-0.43	
			For >900 To 1,500, Deduct	-0.65	
			For >1,500 To 2,200, Deduct	-0.97	
			For >2,200 To 3,500, Deduct	-1.28	
			For >3,500, Deduct	-1.60	
09 68 16 00-0016	SY		1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding.....	14.05	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.17	
			For >400 To 600, Deduct	-0.25	
			For >600 To 900, Deduct	-0.50	
			For >900 To 1,500, Deduct	-0.75	
			For >1,500 To 2,200, Deduct	-1.12	
			For >2,200 To 3,500, Deduct	-1.47	
			For >3,500, Deduct	-1.82	
<b>09 68 16 00-0017</b>			<b>Froth Polyurethane Foam Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0018	SY		0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	19.86	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.28	
			For >400 To 600, Deduct	-0.42	
			For >600 To 900, Deduct	-0.79	
			For >900 To 1,500, Deduct	-1.16	
			For >1,500 To 2,200, Deduct	-1.70	
			For >2,200 To 3,500, Deduct	-2.19	
			For >3,500, Deduct	-2.69	
09 68 16 00-0019	SY		0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	22.04	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.33	
			For >400 To 600, Deduct	-0.49	
			For >600 To 900, Deduct	-0.90	
			For >900 To 1,500, Deduct	-1.31	
			For >1,500 To 2,200, Deduct	-1.91	
			For >2,200 To 3,500, Deduct	-2.47	
			For >3,500, Deduct	-3.02	
09 68 16 00-0020	SY		0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding.....	23.72	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.36	
			For >400 To 600, Deduct	-0.54	
			For >600 To 900, Deduct	-0.98	
			For >900 To 1,500, Deduct	-1.43	
			For >1,500 To 2,200, Deduct	-2.08	
			For >2,200 To 3,500, Deduct	-2.68	
			For >3,500, Deduct	-3.27	
<b>09 68 16 00-0021</b>			<b>Waffle Rubber Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0022	SY		3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding .....	22.63	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.34	
			For >400 To 600, Deduct	-0.51	
			For >600 To 900, Deduct	-0.93	
			For >900 To 1,500, Deduct	-1.35	
			For >1,500 To 2,200, Deduct	-1.97	
			For >2,200 To 3,500, Deduct	-2.54	
			For >3,500, Deduct	-3.11	
<b>09 68 16 00-0023</b>			<b>Flat Sponge Rubber Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0024	SY		0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding .....	14.17	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.17	
			For >400 To 600, Deduct	-0.25	
			For >600 To 900, Deduct	-0.51	
			For >900 To 1,500, Deduct	-0.76	
			For >1,500 To 2,200, Deduct	-1.13	
			For >2,200 To 3,500, Deduct	-1.48	
			For >3,500, Deduct	-1.84	

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0025	SY		0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding.....	15.07	3.83
			<i>For Up To 15, Add</i>	1.16	
			<i>For &gt;15 To 33, Add</i>	0.58	
			<i>For &gt;200 To 400, Deduct</i>	-0.19	
			<i>For &gt;400 To 600, Deduct</i>	-0.28	
			<i>For &gt;600 To 900, Deduct</i>	-0.55	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.82	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-1.22	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-1.59	
			<i>For &gt;3,500, Deduct</i>	-1.97	
09 68 16 00-0026	SY		0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding.....	15.73	3.83
			<i>For Up To 15, Add</i>	1.16	
			<i>For &gt;15 To 33, Add</i>	0.58	
			<i>For &gt;200 To 400, Deduct</i>	-0.20	
			<i>For &gt;400 To 600, Deduct</i>	-0.30	
			<i>For &gt;600 To 900, Deduct</i>	-0.58	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.87	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-1.28	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-1.68	
			<i>For &gt;3,500, Deduct</i>	-2.07	
09 68 16 00-0027	SY		0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	17.79	3.83
			<i>For Up To 15, Add</i>	1.16	
			<i>For &gt;15 To 33, Add</i>	0.58	
			<i>For &gt;200 To 400, Deduct</i>	-0.24	
			<i>For &gt;400 To 600, Deduct</i>	-0.36	
			<i>For &gt;600 To 900, Deduct</i>	-0.69	
			<i>For &gt;900 To 1,500, Deduct</i>	-1.01	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-1.49	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-1.93	
			<i>For &gt;3,500, Deduct</i>	-2.38	
09 68 16 00-0028	SY		0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding.....	17.97	3.83
			<i>For Up To 15, Add</i>	1.16	
			<i>For &gt;15 To 33, Add</i>	0.58	
			<i>For &gt;200 To 400, Deduct</i>	-0.24	
			<i>For &gt;400 To 600, Deduct</i>	-0.37	
			<i>For &gt;600 To 900, Deduct</i>	-0.70	
			<i>For &gt;900 To 1,500, Deduct</i>	-1.03	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-1.51	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-1.96	
			<i>For &gt;3,500, Deduct</i>	-2.41	
09 68 16 00-0029	<b>Synthetic Fiber Carpet Padding</b> (09 68 16 00-0002)				
09 68 16 00-0030	SY		0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding.....	7.52	3.83
			<i>For Up To 15, Add</i>	1.16	
			<i>For &gt;15 To 33, Add</i>	0.58	
			<i>For &gt;200 To 400, Deduct</i>	-0.03	
			<i>For &gt;400 To 600, Deduct</i>	-0.05	
			<i>For &gt;600 To 900, Deduct</i>	-0.17	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.29	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.46	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.65	
			<i>For &gt;3,500, Deduct</i>	-0.84	
09 68 16 00-0031	SY		0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding.....	8.89	3.83
			<i>For Up To 15, Add</i>	1.16	
			<i>For &gt;15 To 33, Add</i>	0.58	
			<i>For &gt;200 To 400, Deduct</i>	-0.06	
			<i>For &gt;400 To 600, Deduct</i>	-0.09	
			<i>For &gt;600 To 900, Deduct</i>	-0.24	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.39	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.60	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.82	
			<i>For &gt;3,500, Deduct</i>	-1.04	
09 68 16 00-0032	SY		0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding.....	8.26	3.83
			<i>For Up To 15, Add</i>	1.16	
			<i>For &gt;15 To 33, Add</i>	0.58	
			<i>For &gt;200 To 400, Deduct</i>	-0.05	
			<i>For &gt;400 To 600, Deduct</i>	-0.07	
			<i>For &gt;600 To 900, Deduct</i>	-0.21	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.35	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.54	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.74	
			<i>For &gt;3,500, Deduct</i>	-0.95	
09 68 16 00-0033	SY		0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding.....	8.50	3.83
			<i>For Up To 15, Add</i>	1.16	
			<i>For &gt;15 To 33, Add</i>	0.58	
			<i>For &gt;200 To 400, Deduct</i>	-0.05	
			<i>For &gt;400 To 600, Deduct</i>	-0.08	
			<i>For &gt;600 To 900, Deduct</i>	-0.22	
			<i>For &gt;900 To 1,500, Deduct</i>	-0.36	
			<i>For &gt;1,500 To 2,200, Deduct</i>	-0.56	
			<i>For &gt;2,200 To 3,500, Deduct</i>	-0.77	
			<i>For &gt;3,500, Deduct</i>	-0.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0034	SY		0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding.....	9.90	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.08	
			For >400 To 600, Deduct	-0.12	
			For >600 To 900, Deduct	-0.29	
			For >900 To 1,500, Deduct	-0.46	
			For >1,500 To 2,200, Deduct	-0.70	
			For >2,200 To 3,500, Deduct	-0.95	
			For >3,500, Deduct	-1.20	
<b>09 68 16 00-0035</b>			<b>Double Stick Synthetic Fiber Carpet Padding (09 68 16 00-0002)</b>		
09 68 16 00-0036	SY		0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding .....	10.33	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.09	
			For >400 To 600, Deduct	-0.14	
			For >600 To 900, Deduct	-0.31	
			For >900 To 1,500, Deduct	-0.49	
			For >1,500 To 2,200, Deduct	-0.74	
			For >2,200 To 3,500, Deduct	-1.00	
			For >3,500, Deduct	-1.26	
09 68 16 00-0037	SY		0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding .....	11.42	3.83
			For Up To 15, Add	1.16	
			For >15 To 33, Add	0.58	
			For >200 To 400, Deduct	-0.11	
			For >400 To 600, Deduct	-0.17	
			For >600 To 900, Deduct	-0.37	
			For >900 To 1,500, Deduct	-0.57	
			For >1,500 To 2,200, Deduct	-0.85	
			For >2,200 To 3,500, Deduct	-1.14	
			For >3,500, Deduct	-1.42	
<b>09 68 16 00-0038</b>			<b>Residential Broadloom Carpet (09 68 16)</b>		
			Note: Includes tacks. See CSI section 09 68 16 00-0001 for padding.		
09 68 16 00-0039	SY		25 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	46.20	10.19
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	4.32	
			For Up To 15, Add	5.23	
			For >15 To 33, Add	2.62	
			For >200 To 400, Deduct	-0.40	
			For >400 To 600, Deduct	-0.60	
			For >600 To 900, Deduct	-1.39	
			For >900, Deduct	-2.19	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0040	SY		30 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	50.92	10.19
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	4.32	
			For Up To 15, Add	5.23	
			For >15 To 33, Add	2.62	
			For >200 To 400, Deduct	-0.50	
			For >400 To 600, Deduct	-0.74	
			For >600 To 900, Deduct	-1.63	
			For >900, Deduct	-2.52	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0041	SY		32 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	57.41	10.19
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	4.32	
			For Up To 15, Add	5.23	
			For >15 To 33, Add	2.62	
			For >200 To 400, Deduct	-0.63	
			For >400 To 600, Deduct	-0.94	
			For >600 To 900, Deduct	-1.96	
			For >900, Deduct	-2.97	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0042	SY		34 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	64.19	10.19
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	4.32	
			For Up To 15, Add	5.23	
			For >15 To 33, Add	2.62	
			For >200 To 400, Deduct	-0.76	
			For >400 To 600, Deduct	-1.14	
			For >600 To 900, Deduct	-2.29	
			For >900, Deduct	-3.45	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0043	SY		40 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	65.37	10.19
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	4.32	
			For Up To 15, Add	5.23	
			For >15 To 33, Add	2.62	
			For >200 To 400, Deduct	-0.78	
			For >400 To 600, Deduct	-1.18	
			For >600 To 900, Deduct	-2.35	
			For >900, Deduct	-3.53	
			For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0044	SY		45 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	67.75	11.21
			For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add	4.59	
			For Up To 15, Add	5.58	
			For >15 To 33, Add	2.79	
			For >200 To 400, Deduct	-0.80	
			For >400 To 600, Deduct	-1.20	
			For >600 To 900, Deduct	-2.41	
			For >900, Deduct	-3.63	
			For Installation On Stairs, Each Riser, Add	6.00	

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0045	SY 48 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	69.77	11.21
	<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.59	
	<i>For Up To 15, Add</i>	5.58	
	<i>For &gt;15 To 33, Add</i>	2.79	
	<i>For &gt;200 To 400, Deduct</i>	-0.84	
	<i>For &gt;400 To 600, Deduct</i>	-1.26	
	<i>For &gt;600 To 900, Deduct</i>	-2.51	
	<i>For &gt;900, Deduct</i>	-3.77	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0046	SY 50 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	74.78	11.21
	<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.59	
	<i>For Up To 15, Add</i>	5.58	
	<i>For &gt;15 To 33, Add</i>	2.79	
	<i>For &gt;200 To 400, Deduct</i>	-0.94	
	<i>For &gt;400 To 600, Deduct</i>	-1.41	
	<i>For &gt;600 To 900, Deduct</i>	-2.76	
	<i>For &gt;900, Deduct</i>	-4.12	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0047	SY 60 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	75.37	11.21
	<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.59	
	<i>For Up To 15, Add</i>	5.58	
	<i>For &gt;15 To 33, Add</i>	2.79	
	<i>For &gt;200 To 400, Deduct</i>	-0.95	
	<i>For &gt;400 To 600, Deduct</i>	-1.42	
	<i>For &gt;600 To 900, Deduct</i>	-2.79	
	<i>For &gt;900, Deduct</i>	-4.16	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0048	SY 65 Ounce, Medium Traffic, Residential, Nylon Broadloom Carpet.....	77.73	11.21
	<i>For Glued Down Material Instead Of Tack Strips (Includes Scarify Floor Area And Appropriate Backing), Add</i>	4.59	
	<i>For Up To 15, Add</i>	5.58	
	<i>For &gt;15 To 33, Add</i>	2.79	
	<i>For &gt;200 To 400, Deduct</i>	-1.00	
	<i>For &gt;400 To 600, Deduct</i>	-1.49	
	<i>For &gt;600 To 900, Deduct</i>	-2.91	
	<i>For &gt;900, Deduct</i>	-4.33	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0049	<b>Commercial Broadloom Carpet</b> <small>(09 68 16)</small>		
	Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0050	<b>Non-Patterned Broadloom Carpet</b> <small>(09 68 16 00-0049)</small>		
09 68 16 00-0051	SY 22 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet .....	55.77	32.87
	<i>For Up To 15, Add</i>	4.38	
	<i>For &gt;15 To 33, Add</i>	2.19	
	<i>For &gt;200 To 400, Deduct</i>	-0.68	
	<i>For &gt;400 To 600, Deduct</i>	-1.02	
	<i>For &gt;600 To 900, Deduct</i>	-2.02	
	<i>For &gt;900, Deduct</i>	-3.03	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0052	SY 24 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet .....	55.77	32.87
	<i>For Up To 15, Add</i>	4.38	
	<i>For &gt;15 To 33, Add</i>	2.19	
	<i>For &gt;200 To 400, Deduct</i>	-0.68	
	<i>For &gt;400 To 600, Deduct</i>	-1.02	
	<i>For &gt;600 To 900, Deduct</i>	-2.02	
	<i>For &gt;900, Deduct</i>	-3.03	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0053	SY 26 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet .....	55.77	32.87
	<i>For Up To 15, Add</i>	4.38	
	<i>For &gt;15 To 33, Add</i>	2.19	
	<i>For &gt;200 To 400, Deduct</i>	-0.68	
	<i>For &gt;400 To 600, Deduct</i>	-1.02	
	<i>For &gt;600 To 900, Deduct</i>	-2.02	
	<i>For &gt;900, Deduct</i>	-3.03	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0054	SY 28 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet .....	60.46	35.62
	<i>For Up To 15, Add</i>	4.75	
	<i>For &gt;15 To 33, Add</i>	2.38	
	<i>For &gt;200 To 400, Deduct</i>	-0.73	
	<i>For &gt;400 To 600, Deduct</i>	-1.10	
	<i>For &gt;600 To 900, Deduct</i>	-2.19	
	<i>For &gt;900, Deduct</i>	-3.28	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	
09 68 16 00-0055	SY 30 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet .....	61.49	35.62
	<i>For Up To 15, Add</i>	4.75	
	<i>For &gt;15 To 33, Add</i>	2.38	
	<i>For &gt;200 To 400, Deduct</i>	-0.75	
	<i>For &gt;400 To 600, Deduct</i>	-1.13	
	<i>For &gt;600 To 900, Deduct</i>	-2.24	
	<i>For &gt;900, Deduct</i>	-3.35	
	<i>For Cut Pile Carpet, Add</i>	1.50	
	<i>For Moisture Barrier Backing, Add</i>	3.50	
	<i>For Installation On Stairs, Each Riser, Add</i>	6.00	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 68 16 00-0056	SY	32 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	61.68		35.62
		<i>For Up To 15, Add</i>	4.75		
		<i>For &gt;15 To 33, Add</i>	2.38		
		<i>For &gt;200 To 400, Deduct</i>	-0.76		
		<i>For &gt;400 To 600, Deduct</i>	-1.14		
		<i>For &gt;600 To 900, Deduct</i>	-2.25		
		<i>For &gt;900, Deduct</i>	-3.37		
		<i>For Cut Pile Carpet, Add</i>	1.50		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		
09 68 16 00-0057	SY	34 Ounce, Medium Traffic, Non-Patterned, Nylon Broadloom Carpet	67.61		38.36
		<i>For Up To 15, Add</i>	5.11		
		<i>For &gt;15 To 33, Add</i>	2.56		
		<i>For &gt;200 To 400, Deduct</i>	-0.84		
		<i>For &gt;400 To 600, Deduct</i>	-1.26		
		<i>For &gt;600 To 900, Deduct</i>	-2.49		
		<i>For &gt;900, Deduct</i>	-3.71		
		<i>For Cut Pile Carpet, Add</i>	1.50		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		
09 68 16 00-0058	SY	36 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	68.36		38.36
		<i>For Up To 15, Add</i>	5.11		
		<i>For &gt;15 To 33, Add</i>	2.56		
		<i>For &gt;200 To 400, Deduct</i>	-0.86		
		<i>For &gt;400 To 600, Deduct</i>	-1.28		
		<i>For &gt;600 To 900, Deduct</i>	-2.52		
		<i>For &gt;900, Deduct</i>	-3.76		
		<i>For Cut Pile Carpet, Add</i>	1.50		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		
09 68 16 00-0059	SY	38 Ounce, Heavy Traffic, Non-Patterned, Nylon Broadloom Carpet	69.27		38.36
		<i>For Up To 15, Add</i>	5.11		
		<i>For &gt;15 To 33, Add</i>	2.56		
		<i>For &gt;200 To 400, Deduct</i>	-0.87		
		<i>For &gt;400 To 600, Deduct</i>	-1.31		
		<i>For &gt;600 To 900, Deduct</i>	-2.57		
		<i>For &gt;900, Deduct</i>	-3.83		
		<i>For Cut Pile Carpet, Add</i>	1.50		
		<i>For Cut And Loop Pile Combination Or Tip Shear Carpet, Add</i>	2.00		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		
<b>09 68 16 00-0060</b>		<b>Patterned Broadloom Carpet</b> <small>(09 68 16 00-0049)</small>			
		Note: Patterned carpet has a definitive repeating pattern as defined by the manufacturer.			
09 68 16 00-0061	SY	22 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	58.47		32.87
		<i>For Up To 15, Add</i>	4.82		
		<i>For &gt;15 To 33, Add</i>	2.41		
		<i>For &gt;200 To 400, Deduct</i>	-0.69		
		<i>For &gt;400 To 600, Deduct</i>	-1.03		
		<i>For &gt;600 To 900, Deduct</i>	-2.08		
		<i>For &gt;900, Deduct</i>	-3.13		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		
09 68 16 00-0062	SY	24 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	58.47		32.87
		<i>For Up To 15, Add</i>	4.82		
		<i>For &gt;15 To 33, Add</i>	2.41		
		<i>For &gt;200 To 400, Deduct</i>	-0.69		
		<i>For &gt;400 To 600, Deduct</i>	-1.03		
		<i>For &gt;600 To 900, Deduct</i>	-2.08		
		<i>For &gt;900, Deduct</i>	-3.13		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		
09 68 16 00-0063	SY	26 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	58.47		32.87
		<i>For Up To 15, Add</i>	4.82		
		<i>For &gt;15 To 33, Add</i>	2.41		
		<i>For &gt;200 To 400, Deduct</i>	-0.69		
		<i>For &gt;400 To 600, Deduct</i>	-1.03		
		<i>For &gt;600 To 900, Deduct</i>	-2.08		
		<i>For &gt;900, Deduct</i>	-3.13		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		
09 68 16 00-0064	SY	28 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	63.38		35.62
		<i>For Up To 15, Add</i>	5.22		
		<i>For &gt;15 To 33, Add</i>	2.61		
		<i>For &gt;200 To 400, Deduct</i>	-0.75		
		<i>For &gt;400 To 600, Deduct</i>	-1.12		
		<i>For &gt;600 To 900, Deduct</i>	-2.25		
		<i>For &gt;900, Deduct</i>	-3.39		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		
09 68 16 00-0065	SY	30 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet	64.43		35.62
		<i>For Up To 15, Add</i>	5.22		
		<i>For &gt;15 To 33, Add</i>	2.61		
		<i>For &gt;200 To 400, Deduct</i>	-0.77		
		<i>For &gt;400 To 600, Deduct</i>	-1.15		
		<i>For &gt;600 To 900, Deduct</i>	-2.31		
		<i>For &gt;900, Deduct</i>	-3.47		
		<i>For Cut Pile Carpet, Add</i>	1.50		
		<i>For Moisture Barrier Backing, Add</i>	3.50		
		<i>For Installation On Stairs, Each Riser, Add</i>	6.00		

**09 Finishes**

**09 60 Flooring**

**09 68 Carpeting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 68 16 00-0066	SY 32 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	64.62	35.62
	For Up To 15, Add	5.22	
	For >15 To 33, Add	2.61	
	For >200 To 400, Deduct	-0.77	
	For >400 To 600, Deduct	-1.16	
	For >600 To 900, Deduct	-2.32	
	For >900, Deduct	-3.48	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0067	SY 34 Ounce, Medium Traffic, Patterned, Nylon Broadloom Carpet.....	70.81	38.36
	For Up To 15, Add	5.63	
	For >15 To 33, Add	2.81	
	For >200 To 400, Deduct	-0.85	
	For >400 To 600, Deduct	-1.28	
	For >600 To 900, Deduct	-2.56	
	For >900, Deduct	-3.83	
	For Cut Pile Carpet, Add	1.50	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0068	SY 36 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	71.57	38.36
	For Up To 15, Add	5.63	
	For >15 To 33, Add	2.81	
	For >200 To 400, Deduct	-0.87	
	For >400 To 600, Deduct	-1.30	
	For >600 To 900, Deduct	-2.59	
	For >900, Deduct	-3.88	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0069	SY 38 Ounce, Heavy Traffic, Patterned, Nylon Broadloom Carpet.....	72.50	38.36
	For Up To 15, Add	5.63	
	For >15 To 33, Add	2.81	
	For >200 To 400, Deduct	-0.89	
	For >400 To 600, Deduct	-1.33	
	For >600 To 900, Deduct	-2.64	
	For >900, Deduct	-3.95	
	For Cut Pile Carpet, Add	1.50	
	For Cut And Loop Pile Combination Or Tip Shear Carpet, Add	2.00	
	For Moisture Barrier Backing, Add	3.50	
	For Installation On Stairs, Each Riser, Add	6.00	
09 68 16 00-0070	<b>Removal And Reinstallation Of Carpet And Pad</b> (09 68 16)		
	Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0071	SY Removal And Reinstallation Of Carpet And Pad.....	46.24	
09 68 16 00-0072	<b>Carpeting Support Functions</b> (09 68 16)		
09 68 16 00-0073	<b>Relocate Partitions, Modular Work Stations</b> (09 68 16 00-0072)		
	Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0074	EA Relocate Modular Work Station.....	431.49	
09 68 16 00-0075	<b>Installation Of Owner Provided Broadloom Carpet</b> (09 68 16)		
09 68 16 00-0076	SY Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet.....	19.48	
	Note: Includes adhesive for glue-down or tack strip for padded installations.		
	For Up To 15, Add	3.81	
	For >15 To 33, Add	1.91	
09 68 16 00-0077	SY >24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet.....	22.65	
	Note: Includes adhesive for glue-down or tack strip for padded installations.		
	For Up To 15, Add	4.45	
	For >15 To 33, Add	2.22	
09 68 16 00-0078	SY >34 Oz, Installation Of Owner Provided Broadloom Carpet.....	27.10	
	Note: Includes adhesive for glue-down or tack strip for padded installations.		
	For Up To 15, Add	5.34	
	For >15 To 33, Add	2.67	

**09 70 Wall Finishes** (09)

**09 72 Wall Coverings** (09 70)

**09 72 13 Cork Wall Coverings** (09 72)

**09 72 13 00-0001 Cork Wall Covering** (09 72 13)

09 72 13 00-0002	SF 1/8" Cork Wall Covering.....	6.52	1.14
09 72 13 00-0003	SF 1/4" Cork Wall Covering.....	7.97	1.14
09 72 13 00-0004	SF 1/2" Cork Wall Covering.....	9.13	1.14
09 72 13 00-0005	SF 3/4" Cork Wall Covering.....	12.51	1.14

**09 72 16 Vinyl-Coated Fabric Wall Coverings** (09 72)

**09 72 16 13 Flexible Vinyl Wall Coverings** (09 72 16)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 72 16 13-0001 Vinyl Wall Coverings** (09 72 16 13)  
 Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 13-0002	SF		7-10 Oz/SY Vinyl Wall Covering ..... <i>For Owner Furnished Material, Deduct</i>	3.86 -2.06	1.14
09 72 16 13-0003	SF		11-14 Oz/SY Vinyl Wall Covering ..... <i>For Owner Furnished Material, Deduct</i>	4.92 -3.00	1.14
09 72 16 13-0004	SF		15-19 Oz/SY Vinyl Wall Covering ..... <i>For Owner Furnished Material, Deduct</i>	5.68 -3.76	1.14
09 72 16 13-0005	SF		20 To 25 Ounces/SY Vinyl Wall Covering ..... <i>For Owner Furnished Material, Deduct</i>	6.73 -4.34	1.14
09 72 16 13-0006	SF		26-32 Oz/SY Vinyl Wall Covering ..... <i>For Owner Furnished Material, Deduct</i>	7.78 -5.28	1.14
09 72 16 13-0007	SF		33-38 Oz/SY Vinyl Wall Covering ..... <i>For Owner Furnished Material, Deduct</i>	9.28 -6.67	1.14

**09 73 Wall Carpeting** (09 70)

**09 73 00 00-0001 Carpet Wall Covering** (09 73)

09 73 00 00-0002	SY		28 Ounce, Nylon Carpet Wall Covering .....	60.64	36.51
09 73 00 00-0003	SY		32 Ounce, Nylon Carpet Wall Covering .....	61.89	36.51
09 73 00 00-0004	SY		34 Ounce, Nylon Carpet Wall Covering .....	67.15	39.31
09 73 00 00-0005	SY		35 Ounce, Nylon Carpet Wall Covering .....	71.07	39.31
09 73 00 00-0006	SY		36 Ounce, Nylon Carpet Wall Covering .....	75.11	39.31
09 73 00 00-0007	SY		38 Ounce, Nylon Carpet Wall Covering .....	76.61	39.31
09 73 00 00-0008	SY		40 Ounce, Nylon Carpet Wall Covering .....	79.61	42.45
09 73 00 00-0009	SY		42 Ounce, Nylon Carpet Wall Covering .....	82.85	42.45

**09 80 Acoustic Treatment** (09)

**09 81 Acoustic Insulation** (09 80)

**09 81 16 Acoustic Blanket Insulation** (09 81)

**09 81 16 00-0001 Sound Attenuation Fire Blankets (SAFB)** (09 81 16)  
 Note: Mineral wool

**09 81 16 00-0002 2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB)** (09 81 16 00-0001)

09 81 16 00-0003	SF		1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.30	0.41
09 81 16 00-0004	SF		2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.46	0.41
09 81 16 00-0005	SF		2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.70	0.41
09 81 16 00-0006	SF		3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.88	0.41
09 81 16 00-0007	SF		3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	3.11	0.41
09 81 16 00-0008	SF		4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	3.33	0.41
09 81 16 00-0009	SF		5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	3.63	0.41
09 81 16 00-0010	SF		6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	3.97	0.41

**09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB)** (09 81 16 00-0001)

09 81 16 00-0012	SF		1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB) .....	2.26	0.41
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**09 81 16 00-0013 Sound Attenuation Batts** (09 81 16)  
 Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0014	SF		2-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.33	0.54
09 81 16 00-0015	SF		3-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.40	0.54
09 81 16 00-0016	SF		3-1/2" Thick, Kraft Faced Sound Attenuation Batt .....	1.59	0.54
09 81 16 00-0017	SF		5-1/2" Thick, Unfaced Sound Attenuation Batt.....	1.76	0.54
09 81 16 00-0018	SF		5-1/2" Thick, Kraft Faced Sound Attenuation Batt .....	1.81	0.54
09 81 16 00-0019	SF		6-1/4" Thick, Unfaced Sound Attenuation Batt.....	1.79	0.54
09 81 16 00-0020	SF		6-1/4" Thick, Kraft Faced Sound Attenuation Batt .....	1.86	0.54

**09 84 Acoustic Room Components** (09 80)

**09 84 13 Fixed Sound-Absorptive Panels** (09 84)

**09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets** (09 84 13)  
 Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

09 84 13 00-0002	SF		3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler .....	13.76	2.73
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**09 84 13 00-0003 Sound Absorbing Acoustical Wall Panel System** (09 84 13)  
 See CSI section 06 11 16 00-0190 for wood furring.

**09 84 13 00-0004 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System**  
**(Armstrong® Soundsoak®)** (09 84 13 00-0003)  
 Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0005	SF		5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl) .....	15.82	3.07
09 84 13 00-0006	SF		3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®) .....	14.68	3.07



**09 Finishes****09 80 Acoustic Treatment****09 84 Acoustic Room Components**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0007	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701).....	18.28	3.07
09 84 13 00-0008	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™).....	18.31	3.07
09 84 13 00-0009	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™).....	20.13	3.07
09 84 13 00-0010	SF		3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™).....	20.13	3.07
<b>09 84 13 00-0011</b>			<b>Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) (09 84 13 00-0003)</b> Note: Includes molding and mounting hardware for flush mount.		
09 84 13 00-0012	SF		1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®).....	18.33	3.07
09 84 13 00-0013	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701).....	21.30	3.07
09 84 13 00-0014	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™).....	21.30	3.07
09 84 13 00-0015	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™).....	24.27	3.07
09 84 13 00-0016	SF		1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™).....	24.27	3.07
<b>09 84 13 00-0017</b>			<b>Sound Absorbing Panel, Eggcrate Style (09 84 13)</b> Note: Ceiling or wall hung back.		
09 84 13 00-0018	SF		2" Thick Polyurethane Sound Wave (Eggcrate Style).....	12.50	
			For Pyramid Style, Add	1.18	
09 84 13 00-0019	SF		3" Thick Polyurethane Sound Wave (Eggcrate Style).....	16.26	
			For Pyramid Style, Add	1.18	
09 84 13 00-0020	SF		4" Thick Polyurethane Sound Wave (Eggcrate Style).....	20.86	
			For Pyramid Style, Add	1.18	
09 84 13 00-0021	SF		2" Thick Melamine Sound Wave (Eggcrate Style).....	15.79	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	2.05	
			For Pyramid Style With Hypalon Coating, Add	4.02	
09 84 13 00-0022	SF		3" Thick Melamine Sound Wave (Eggcrate Style).....	29.59	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	0.42	
			For Pyramid Style With Hypalon Coating, Add	2.40	
09 84 13 00-0023	SF		4" Thick Melamine Sound Wave (Eggcrate Style).....	37.50	
			For Eggcrate Style With Hypalon Coating, Add	1.97	
			For Pyramid Style, Add	0.42	
			For Pyramid Style With Hypalon Coating, Add	2.40	
<b>09 84 13 00-0024</b>			<b>Sound Deadening Fiberboard (09 84 13)</b>		
09 84 13 00-0025	SF		1/2" Sound Deadening Fiberboard.....	1.71	0.69
			For Horizontal Installation Up To 10' High, Add	0.42	
			For Horizontal Installation >10' High, Add	0.62	
			For Walls >10' High, Add	0.10	
			For Up To 128, Add	0.59	
			For >128 To 320, Add	0.36	

**09 90 Painting and Coating (09)**

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing existing wall surfaces or small holes not requiring patching in excess of items included above.

**09 91 Painting (09 90)****09 91 13 Exterior Painting (09 91)**

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001			Paint Exterior Walls/Siding (09 91 13)		
09 91 13 00-0002			Paint Exterior Brick Walls (09 91 13 00-0001)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0003 SF 1 Coat Filler, Brush Work, Paint Exterior Brick Walls.....	1.39	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 13 00-0004 SF 1 Coat Paint, Brush Work, Paint Exterior Brick Walls.....	1.92	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.36	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.57	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.78	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.14	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.29	
For >20,000, Deduct	-0.38	
09 91 13 00-0005 SF 2 Coats Paint, Brush Work, Paint Exterior Brick Walls.....	2.91	
For Oil Based Paint, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.77	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.59	
For >100 To 250, Add	0.77	
For >250 To 500, Add	0.34	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.29	
For >10,000 To 20,000, Deduct	-0.44	
For >20,000, Deduct	-0.58	
09 91 13 00-0006 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls.....	1.00	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.23	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.31	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.49	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0007 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls.....	1.62	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.54	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.83	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0008	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls .....	2.47	
	For Oil Based Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.54	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.74	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.17	
	For >100 To 250, Add	0.58	
	For >250 To 500, Add	0.26	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.49	
09 91 13 00-0009	SF 1 Coat Filler, Sprayed, Paint Exterior Brick Walls .....	1.09	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.52	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.22	
09 91 13 00-0010	SF 1 Coat Paint, Sprayed, Paint Exterior Brick Walls .....	1.17	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.07	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.12	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.18	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.25	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.45	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.23	
09 91 13 00-0011	SF 2 Coats Paint, Sprayed, Paint Exterior Brick Walls .....	2.39	
	For Oil Based Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.07	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.36	
	For >20,000, Deduct	-0.48	
09 91 13 00-0012	Paint Exterior Concrete Walls (09 91 13 00-0001)		
09 91 13 00-0013	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....	1.17	
	For Oil Based Paint, Add	0.08	
	For Epoxy Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0014 SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Walls .....	1.23	
For Oil Based Paint, Add	0.08	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.38	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.52	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.25	
09 91 13 00-0015 SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Walls .....	2.33	
For Oil Based Paint, Add	0.15	
For Epoxy Paint, Add	0.29	
For Work >15' To 20' Above Floor, Add	0.26	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.44	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.70	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.97	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.41	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	
09 91 13 00-0016 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls .....	0.98	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.09	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.25	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.35	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.53	
For >100 To 250, Add	0.26	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.10	
For >10,000 To 20,000, Deduct	-0.15	
For >20,000, Deduct	-0.20	
09 91 13 00-0017 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Walls .....	1.05	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 13 00-0018 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls .....	1.83	
For Oil Based Paint, Add	0.12	
For Epoxy Paint, Add	0.26	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.50	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.69	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.03	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.37	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0019	SF	1	Coat Filler, Sprayed, Paint Exterior Concrete Walls .....	0.98	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.14	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.22	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.30	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0020	SF	1	Coat Paint, Sprayed, Paint Exterior Concrete Walls .....	0.87	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.08	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.13	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.21	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.29	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.44	
			For >100 To 250, Add	0.22	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 13 00-0021	SF	2	Coats Paint, Sprayed, Paint Exterior Concrete Walls .....	1.56	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.29	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0022			Paint Exterior Concrete Block Walls (09 91 13 00-0001)		
09 91 13 00-0023			Paint Exterior Concrete Block Walls, Epoxy Paint (09 91 13 00-0022)		
09 91 13 00-0024	SF	1	Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls.....	1.71	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.90	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.26	
			For >20,000, Deduct	-0.34	
09 91 13 00-0025	SF	1	Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls.....	1.92	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.32	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.51	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.70	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13	00-0026	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls .....	3.43	
				For Work >15' To 20' Above Floor, Add	0.32	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.54	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.86	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.18	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.80	
				For >100 To 250, Add	0.88	
				For >250 To 500, Add	0.39	
				For >2,500 To 5,000, Deduct	-0.17	
				For >5,000 To 10,000, Deduct	-0.34	
				For >10,000 To 20,000, Deduct	-0.51	
				For >20,000, Deduct	-0.69	
09 91	13	00-0027	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	1.45	
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.20	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.32	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.45	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.70	
				For >100 To 250, Add	0.35	
				For >250 To 500, Add	0.15	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.15	
				For >10,000 To 20,000, Deduct	-0.22	
				For >20,000, Deduct	-0.29	
09 91	13	00-0028	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	1.58	
				For Work >15' To 20' Above Floor, Add	0.14	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.24	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.38	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.52	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.80	
				For >100 To 250, Add	0.39	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.24	
				For >20,000, Deduct	-0.32	
09 91	13	00-0029	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls .....	2.87	
				For Work >15' To 20' Above Floor, Add	0.24	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.40	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.64	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.87	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.38	
				For >100 To 250, Add	0.68	
				For >250 To 500, Add	0.30	
				For >2,500 To 5,000, Deduct	-0.14	
				For >5,000 To 10,000, Deduct	-0.29	
				For >10,000 To 20,000, Deduct	-0.43	
				For >20,000, Deduct	-0.57	
09 91	13	00-0030	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls .....	1.35	
				For Work >15' To 20' Above Floor, Add	0.09	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.14	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.23	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.31	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.54	
				For >100 To 250, Add	0.28	
				For >250 To 500, Add	0.12	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.27	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0031	SF 1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.47 0.10 0.17 0.28 0.38 0.63 0.32 0.14 -0.07 -0.15 -0.22 -0.29	
09 91 13 00-0032	SF 2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.90 0.19 0.32 0.51 0.70 1.20 0.61 0.27 -0.15 -0.29 -0.44 -0.58	
09 91 13 00-0033	Paint Exterior Concrete Block Walls, Acrylic Latex Paint <small>(09 91 13 00-0022)</small>		
09 91 13 00-0034	SF 1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls ..... <i>For Oil Based Paint, Add</i> <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.50 0.10 0.16 0.27 0.43 0.59 0.87 0.42 0.18 -0.08 -0.15 -0.23 -0.30	
09 91 13 00-0035	SF 1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls ..... <i>For Oil Based Paint, Add</i> <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.80 0.12 0.18 0.31 0.49 0.68 1.01 0.49 0.21 -0.09 -0.18 -0.27 -0.36	
09 91 13 00-0036	SF 2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls ..... <i>For Oil Based Paint, Add</i> <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	3.32 0.22 0.33 0.55 0.88 1.20 1.81 0.88 0.39 -0.17 -0.33 -0.50 -0.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0037 SF 1 Coat Texture Paint, Brush Work, Paint Exterior Concrete Block Walls.....	2.00	
For Oil Based Paint, Add	0.13	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.34	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.54	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.75	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.12	
For >100 To 250, Add	0.54	
For >250 To 500, Add	0.24	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.20	
For >10,000 To 20,000, Deduct	-0.30	
For >20,000, Deduct	-0.40	
09 91 13 00-0038 SF 1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.22	
For Oil Based Paint, Add	0.08	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.66	
For >100 To 250, Add	0.32	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 13 00-0039 SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.57	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.25	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.40	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.55	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.31	
09 91 13 00-0040 SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	2.77	
For Oil Based Paint, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.66	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.90	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.40	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.30	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.28	
For >10,000 To 20,000, Deduct	-0.42	
For >20,000, Deduct	-0.55	
09 91 13 00-0041 SF 1 Coat Texture Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls.....	1.76	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.45	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.62	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.94	
For >100 To 250, Add	0.46	
For >250 To 500, Add	0.20	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0042	SF	1	Coat Filler, Sprayed, Paint Exterior Concrete Block Walls.....	1.34	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.27	
09 91 13 00-0043	SF	1	Coat Paint, Sprayed, Paint Exterior Concrete Block Walls .....	1.45	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.41	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
			<i>For &gt;20,000, Deduct</i>	-0.29	
09 91 13 00-0044	SF	2	Coats Paint, Sprayed, Paint Exterior Concrete Block Walls.....	2.17	
			<i>For Oil Based Paint, Add</i>	0.15	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.52	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.72	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.11	
			<i>For &gt;100 To 250, Add</i>	0.54	
			<i>For &gt;250 To 500, Add</i>	0.24	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
			<i>For &gt;20,000, Deduct</i>	-0.43	
09 91 13 00-0045	SF	1	Coat Texture Paint, Sprayed, Paint Exterior Concrete Block Walls .....	1.84	
			<i>For Oil Based Paint, Add</i>	0.13	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.54	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.87	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.19	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
			<i>For &gt;20,000, Deduct</i>	-0.37	
09 91 13 00-0046			Paint Exterior Drywall/Plaster Walls (09 91 13 00-0001)		
09 91 13 00-0047	SF	1	Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall.....	1.19	
			<i>For Oil Based Paint, Add</i>	0.08	
			<i>For Orange Peel Finish, Add</i>	0.16	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.68	
			<i>For &gt;100 To 250, Add</i>	0.33	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.24	
			<i>For Epoxy Paint, Add</i>	0.16	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0048	SF	1	Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls .....	1.26	
				For Oil Based Paint, Add	0.08	
				For Orange Peel Finish, Add	0.17	
				For Work >15' To 20' Above Floor, Add	0.15	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.25	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.39	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.54	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.78	
				For >100 To 250, Add	0.37	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.13	
				For >10,000 To 20,000, Deduct	-0.19	
				For >20,000, Deduct	-0.25	
				For Epoxy Paint, Add	0.15	
09 91	13 00-0049	SF	2	Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls.....	2.34	
				For Oil Based Paint, Add	0.15	
				For Orange Peel Finish, Add	0.31	
				For Work >15' To 20' Above Floor, Add	0.27	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.44	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.71	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.97	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.41	
				For >100 To 250, Add	0.68	
				For >250 To 500, Add	0.29	
				For >2,500 To 5,000, Deduct	-0.12	
				For >5,000 To 10,000, Deduct	-0.23	
				For >10,000 To 20,000, Deduct	-0.35	
				For >20,000, Deduct	-0.47	
				For Epoxy Paint, Add	0.29	
09 91	13 00-0050	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls.....	0.98	
				For Oil Based Paint, Add	0.07	
				For Orange Peel Finish, Add	0.12	
				For Work >15' To 20' Above Floor, Add	0.09	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.16	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.25	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.35	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.53	
				For >100 To 250, Add	0.26	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.15	
				For >20,000, Deduct	-0.20	
				For Epoxy Paint, Add	0.15	
09 91	13 00-0051	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls .....	0.95	
				For Oil Based Paint, Add	0.06	
				For Orange Peel Finish, Add	0.12	
				For Work >15' To 20' Above Floor, Add	0.10	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.17	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.27	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.37	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.54	
				For >100 To 250, Add	0.26	
				For >250 To 500, Add	0.11	
				For >2,500 To 5,000, Deduct	-0.05	
				For >5,000 To 10,000, Deduct	-0.10	
				For >10,000 To 20,000, Deduct	-0.14	
				For >20,000, Deduct	-0.19	
				For Epoxy Paint, Add	0.13	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0052	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls .....	1.79	
	For Oil Based Paint, Add	0.12	
	For Orange Peel Finish, Add	0.23	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.67	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.00	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.36	
	For Epoxy Paint, Add	0.26	
09 91 13 00-0053	SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls .....	0.97	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.08	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.22	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.30	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.47	
	For >100 To 250, Add	0.23	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.19	
	For Epoxy Paint, Add	0.18	
09 91 13 00-0054	SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls .....	1.00	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.16	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.26	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.36	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.26	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
	For Epoxy Paint, Add	0.16	
09 91 13 00-0055	SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls .....	1.68	
	For Oil Based Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.39	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.53	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.83	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.34	
	For Epoxy Paint, Add	0.30	

09 91 13 00-0056 Paint Exterior Metal Walls (09 91 13 00-0001)

09 91 13 00-0057 Paint Exterior Galvanized Walls (09 91 13 00-0056)  
 Note: Linseed oil or acrylic latex paint.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0058	SF	1	Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.42	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0059	SF	1	Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	1.56	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0060	SF	2	Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces.....	2.84	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.48	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.77	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000 To 20,000, Deduct	-0.43	
			For >20,000, Deduct	-0.57	
09 91 13 00-0061	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.07	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.28	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.38	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 13 00-0062	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls.....	1.22	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0063	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.30 0.23 0.38 0.60 0.83 1.25 0.61 0.27 -0.12 -0.23 -0.35 -0.46	
09 91 13 00-0064	SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.01 0.07 0.12 0.19 0.26 0.44 0.22 0.10 -0.05 -0.10 -0.15 -0.20	
09 91 13 00-0065	SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.30 0.12 0.19 0.31 0.42 0.66 0.32 0.14 -0.07 -0.13 -0.20 -0.26	
09 91 13 00-0066	SF 2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.22 0.17 0.29 0.46 0.64 1.03 0.51 0.23 -0.11 -0.22 -0.33 -0.44	
09 91 13 00-0067	<b>Paint Exterior Aluminum And Aluminum Alloy Walls</b> (09 91 13 00-0056) <i>Note: Alkyd enamel paint.</i>		
09 91 13 00-0068	SF 1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.42 0.14 0.24 0.38 0.53 0.79 0.38 0.17 -0.07 -0.14 -0.21 -0.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0069	SF	1	Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces .....	1.56	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0070	SF	2	Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces .....	2.83	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.48	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.77	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.58	
			For >100 To 250, Add	0.76	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.14	
			For >5,000 To 10,000, Deduct	-0.28	
			For >10,000 To 20,000, Deduct	-0.42	
			For >20,000, Deduct	-0.57	
09 91 13 00-0071	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls.....	1.21	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0072	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls .....	1.35	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 13 00-0073	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls .....	2.57	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.60	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.83	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.29	
			For >100 To 250, Add	0.63	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.51	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0074	SF	1	Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.11	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.51	
			<i>For &gt;100 To 250, Add</i>	0.26	
			<i>For &gt;250 To 500, Add</i>	0.11	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.22	
09 91 13 00-0075	SF	1	Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.30	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.26	
09 91 13 00-0076	SF	2	Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	2.22	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.64	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.03	
			<i>For &gt;100 To 250, Add</i>	0.51	
			<i>For &gt;250 To 500, Add</i>	0.23	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
			<i>For &gt;20,000, Deduct</i>	-0.44	
09 91 13 00-0077			<b>Paint Exterior Aluminum And Aluminum Alloy Roof Stacks</b> (09 91 13 00-0056)		
09 91 13 00-0078	LF	1	Coat Primer, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	19.99	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	2.60	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	4.34	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	6.94	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	9.54	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	13.41	
			<i>For &gt;100 To 250, Add</i>	6.34	
			<i>For &gt;250 To 500, Add</i>	2.73	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.00	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-2.00	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-3.00	
			<i>For &gt;20,000, Deduct</i>	-4.00	
09 91 13 00-0079	LF	1	Coat Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack	22.25	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	2.89	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	4.82	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	7.71	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	10.60	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	14.91	
			<i>For &gt;100 To 250, Add</i>	7.05	
			<i>For &gt;250 To 500, Add</i>	3.04	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-2.23	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-3.34	
			<i>For &gt;20,000, Deduct</i>	-4.45	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0080	LF	2 Coats Paint, Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, Per LF Of Stack			41.52	
		For Work >15' To 20' Above Floor, Add			5.44	
		Note: Applied only to work area above 15' to 20'.				
		For Work >20' To 30' Above Floor, Add			9.06	
		Note: Applied only to work area above 20' to 30'.				
		For Work >30' To 40' Above Floor, Add			14.50	
		Note: Applied only to work area above 30' to 40'.				
		For Work >40' Above Floor, Add			19.93	
		Note: Applied only to work area above 40'.				
		For Up To 100, Add			27.97	
		For >100 To 250, Add			13.21	
		For >250 To 500, Add			5.70	
		For >2,500 To 5,000, Deduct			-2.08	
		For >5,000 To 10,000, Deduct			-4.15	
		For >10,000 To 20,000, Deduct			-6.23	
		For >20,000, Deduct			-8.30	

**09 91 13 00-0081 Paint Exterior Corrugated Metal Walls** (09 91 13 00-0056)

09 91 13 00-0082	SF	1 Coat Primer, Sprayed, Paint Exterior Corrugated Metal Walls			1.25	
		For Work >15' To 20' Above Floor, Add			0.10	
		Note: Applied only to work area above 15' to 20'.				
		For Work >20' To 30' Above Floor, Add			0.16	
		Note: Applied only to work area above 20' to 30'.				
		For Work >30' To 40' Above Floor, Add			0.26	
		Note: Applied only to work area above 30' to 40'.				
		For Work >40' Above Floor, Add			0.35	
		Note: Applied only to work area above 40'.				
		For Up To 100, Add			0.57	
		For >100 To 250, Add			0.29	
		For >250 To 500, Add			0.13	
		For >2,500 To 5,000, Deduct			-0.06	
		For >5,000 To 10,000, Deduct			-0.13	
		For >10,000 To 20,000, Deduct			-0.19	
		For >20,000, Deduct			-0.25	

09 91 13 00-0083	SF	1 Coat Paint, Sprayed, Paint Exterior Corrugated Metal Walls			1.65	
		For Work >15' To 20' Above Floor, Add			0.16	
		Note: Applied only to work area above 15' to 20'.				
		For Work >20' To 30' Above Floor, Add			0.26	
		Note: Applied only to work area above 20' to 30'.				
		For Work >30' To 40' Above Floor, Add			0.42	
		Note: Applied only to work area above 30' to 40'.				
		For Work >40' Above Floor, Add			0.57	
		Note: Applied only to work area above 40'.				
		For Up To 100, Add			0.87	
		For >100 To 250, Add			0.43	
		For >250 To 500, Add			0.19	
		For >2,500 To 5,000, Deduct			-0.08	
		For >5,000 To 10,000, Deduct			-0.17	
		For >10,000 To 20,000, Deduct			-0.25	
		For >20,000, Deduct			-0.33	

09 91 13 00-0084	SF	2 Coats Paint, Sprayed, Paint Exterior Corrugated Metal Walls			2.75	
		For Work >15' To 20' Above Floor, Add			0.23	
		Note: Applied only to work area above 15' to 20'.				
		For Work >20' To 30' Above Floor, Add			0.39	
		Note: Applied only to work area above 20' to 30'.				
		For Work >30' To 40' Above Floor, Add			0.62	
		Note: Applied only to work area above 30' to 40'.				
		For Work >40' Above Floor, Add			0.85	
		Note: Applied only to work area above 40'.				
		For Up To 100, Add			1.34	
		For >100 To 250, Add			0.66	
		For >250 To 500, Add			0.29	
		For >2,500 To 5,000, Deduct			-0.14	
		For >5,000 To 10,000, Deduct			-0.28	
		For >10,000 To 20,000, Deduct			-0.41	
		For >20,000, Deduct			-0.55	

**09 91 13 00-0085 Paint Exterior Stucco Walls** (09 91 13 00-0001)

09 91 13 00-0086	SF	1 Coat Primer, Brush Work, Paint Exterior Stucco Wall Surfaces			1.94	
		For Oil Based Paint, Add			0.12	
		For Work >15' To 20' Above Floor, Add			0.23	
		Note: Applied only to work area above 15' to 20'.				
		For Work >20' To 30' Above Floor, Add			0.38	
		Note: Applied only to work area above 20' to 30'.				
		For Work >30' To 40' Above Floor, Add			0.60	
		Note: Applied only to work area above 30' to 40'.				
		For Work >40' Above Floor, Add			0.83	
		Note: Applied only to work area above 40'.				
		For Up To 100, Add			1.20	
		For >100 To 250, Add			0.57	
		For >250 To 500, Add			0.25	
		For >2,500 To 5,000, Deduct			-0.10	
		For >5,000 To 10,000, Deduct			-0.19	
		For >10,000 To 20,000, Deduct			-0.29	
		For >20,000, Deduct			-0.39	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0087	SF 1 Coat Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	2.14	
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.90	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.31	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.43	
09 91 13 00-0088	SF 2 Coats Paint, Brush Work, Paint Exterior Stucco Wall Surfaces.....	4.00	
	For Oil Based Paint, Add	0.25	
	For Work >15' To 20' Above Floor, Add	0.45	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.75	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.66	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.41	
	For >100 To 250, Add	1.15	
	For >250 To 500, Add	0.50	
	For >2,500 To 5,000, Deduct	-0.20	
	For >5,000 To 10,000, Deduct	-0.40	
	For >10,000 To 20,000, Deduct	-0.60	
	For >20,000, Deduct	-0.80	
09 91 13 00-0089	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.52	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.44	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.60	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.88	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.23	
	For >20,000, Deduct	-0.30	
09 91 13 00-0090	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	1.72	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.67	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.99	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.34	
09 91 13 00-0091	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Stucco Walls.....	3.19	
	For Oil Based Paint, Add	0.21	
	For Work >15' To 20' Above Floor, Add	0.33	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.55	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.88	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.21	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.80	
	For >100 To 250, Add	0.87	
	For >250 To 500, Add	0.38	
	For >2,500 To 5,000, Deduct	-0.16	
	For >5,000 To 10,000, Deduct	-0.32	
	For >10,000 To 20,000, Deduct	-0.48	
	For >20,000, Deduct	-0.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0092 SF 1 Coat Primer, Sprayed, Paint Exterior Stucco Walls .....	1.32	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.33	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.45	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 13 00-0093 SF 1 Coat Paint, Sprayed, Paint Exterior Stucco Walls .....	1.61	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.82	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.16	
For >10,000 To 20,000, Deduct	-0.24	
For >20,000, Deduct	-0.32	
09 91 13 00-0094 SF 2 Coats Paint, Sprayed, Paint Exterior Stucco Walls .....	3.07	
For Oil Based Paint, Add	0.21	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.49	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.78	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.07	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.62	
For >100 To 250, Add	0.79	
For >250 To 500, Add	0.35	
For >2,500 To 5,000, Deduct	-0.15	
For >5,000 To 10,000, Deduct	-0.31	
For >10,000 To 20,000, Deduct	-0.46	
For >20,000, Deduct	-0.61	
09 91 13 00-0095 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Stucco Wall Surfaces .....	0.35	
For Oil Based Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.04	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.07	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.11	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.15	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.21	
For >100 To 250, Add	0.10	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.02	
For >5,000 To 10,000, Deduct	-0.04	
For >10,000 To 20,000, Deduct	-0.05	
For >20,000, Deduct	-0.07	
<b>09 91 13 00-0096 Paint Exterior Wood Siding (09 91 13 00-0001)</b>		
<b>09 91 13 00-0097 Paint Exterior Smooth Wood Siding (09 91 13 00-0096)</b>		
Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0098 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding .....	1.70	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.18	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.30	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.48	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.66	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.47	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.17	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.34	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0099	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding .....	1.74	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.05	
	For >100 To 250, Add	0.50	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0100	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding.....	3.15	
	For Oil Based Paint, Add	0.20	
	For Work >15' To 20' Above Floor, Add	0.35	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.58	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.92	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.27	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.85	
	For >100 To 250, Add	0.89	
	For >250 To 500, Add	0.39	
	For >2,500 To 5,000, Deduct	-0.16	
	For >5,000 To 10,000, Deduct	-0.32	
	For >10,000 To 20,000, Deduct	-0.47	
	For >20,000, Deduct	-0.63	
09 91 13 00-0101	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.39	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.70	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 13 00-0102	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	1.49	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.25	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.40	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.54	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.82	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 13 00-0103	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding.....	2.80	
	For Oil Based Paint, Add	0.19	
	For Work >15' To 20' Above Floor, Add	0.27	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.45	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.72	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.00	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.51	
	For >100 To 250, Add	0.73	
	For >250 To 500, Add	0.32	
	For >2,500 To 5,000, Deduct	-0.14	
	For >5,000 To 10,000, Deduct	-0.28	
	For >10,000 To 20,000, Deduct	-0.42	
	For >20,000, Deduct	-0.56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0104 SF 1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding .....	1.28	
For Oil Based Paint, Add	0.09	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.18	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.28	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.39	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.62	
For >100 To 250, Add	0.31	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.19	
For >20,000, Deduct	-0.26	
09 91 13 00-0105 SF 1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	1.50	
For Oil Based Paint, Add	0.10	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.08	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.23	
For >20,000, Deduct	-0.30	
09 91 13 00-0106 SF 2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding.....	2.45	
For Oil Based Paint, Add	0.18	
For Work >15' To 20' Above Floor, Add	0.21	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.35	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.56	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.76	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.20	
For >100 To 250, Add	0.59	
For >250 To 500, Add	0.26	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.49	
09 91 13 00-0107 LF 1 Coat Paint, Cut-in Brush Work, Paint Exterior Wood Smooth Siding.....	0.29	
For Oil Based Paint, Add	0.02	
For Work >15' To 20' Above Floor, Add	0.03	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.06	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.09	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.12	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.18	
For >100 To 250, Add	0.08	
For >250 To 500, Add	0.04	
For >2,500 To 5,000, Deduct	-0.01	
For >5,000 To 10,000, Deduct	-0.03	
For >10,000 To 20,000, Deduct	-0.04	
For >20,000, Deduct	-0.06	
<b>09 91 13 00-0108 Paint Exterior Rough Wood Siding (09 91 13 00-0096)</b>		
Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0109 SF 1 Coat Primer, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding .....	2.22	
For Oil Based Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.41	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.66	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.91	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.32	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.28	
For >2,500 To 5,000, Deduct	-0.11	
For >5,000 To 10,000, Deduct	-0.22	
For >10,000 To 20,000, Deduct	-0.33	
For >20,000, Deduct	-0.44	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0110	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	2.16	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.36	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91	13 00-0111	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding.....	4.00	
			For Oil Based Paint, Add	0.24	
			For Work >15' To 20' Above Floor, Add	0.47	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.79	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.49	
			For >100 To 250, Add	1.19	
			For >250 To 500, Add	0.52	
			For >2,500 To 5,000, Deduct	-0.20	
			For >5,000 To 10,000, Deduct	-0.40	
			For >10,000 To 20,000, Deduct	-0.60	
			For >20,000, Deduct	-0.80	
09 91	13 00-0112	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	2.15	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.06	
			For >100 To 250, Add	0.52	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91	13 00-0113	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	2.28	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.75	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.16	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.46	
09 91	13 00-0114	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	4.30	
			For Oil Based Paint, Add	0.31	
			For Work >15' To 20' Above Floor, Add	0.37	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.62	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.98	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.12	
			For >100 To 250, Add	1.05	
			For >250 To 500, Add	0.46	
			For >2,500 To 5,000, Deduct	-0.22	
			For >5,000 To 10,000, Deduct	-0.43	
			For >10,000 To 20,000, Deduct	-0.65	
			For >20,000, Deduct	-0.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0115	SF	1 Coat Primer, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn).....	1.75		
		For Oil Based Paint, Add	0.13		
		For Work >15' To 20' Above Floor, Add	0.15		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.24		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.39		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.53		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.84		
		For >100 To 250, Add	0.42		
		For >250 To 500, Add	0.18		
		For >2,500 To 5,000, Deduct	-0.09		
		For >5,000 To 10,000, Deduct	-0.18		
		For >10,000 To 20,000, Deduct	-0.26		
		For >20,000, Deduct	-0.35		

09 91 13 00-0116	SF	1 Coat Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	1.94		
		For Oil Based Paint, Add	0.14		
		For Work >15' To 20' Above Floor, Add	0.17		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.29		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.46		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.64		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.99		
		For >100 To 250, Add	0.48		
		For >250 To 500, Add	0.21		
		For >2,500 To 5,000, Deduct	-0.10		
		For >5,000 To 10,000, Deduct	-0.19		
		For >10,000 To 20,000, Deduct	-0.29		
		For >20,000, Deduct	-0.39		

09 91 13 00-0117	SF	2 Coats Paint, Sprayed, Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn) .....	3.69		
		For Oil Based Paint, Add	0.26		
		For Work >15' To 20' Above Floor, Add	0.32		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.53		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.85		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	1.17		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	1.83		
		For >100 To 250, Add	0.90		
		For >250 To 500, Add	0.40		
		For >2,500 To 5,000, Deduct	-0.18		
		For >5,000 To 10,000, Deduct	-0.37		
		For >10,000 To 20,000, Deduct	-0.55		
		For >20,000, Deduct	-0.74		

**09 91 13 00-0118 Paint Exterior Vinyl Siding** (09 91 13 00-0001)

09 91 13 00-0119	SF	1 Coat Primer, Brush Work, Paint Exterior Vinyl Siding.....	1.32		
		For Oil Based Paint, Add	0.09		
		For Work >15' To 20' Above Floor, Add	0.12		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.21		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.33		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.45		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.69		
		For >100 To 250, Add	0.34		
		For >250 To 500, Add	0.15		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.13		
		For >10,000 To 20,000, Deduct	-0.20		
		For >20,000, Deduct	-0.26		

09 91 13 00-0120	SF	1 Coat Paint, Brush Work, Paint Exterior Vinyl Siding .....	1.44		
		For Oil Based Paint, Add	0.10		
		For Work >15' To 20' Above Floor, Add	0.14		
		Note: Applied only to work area above 15' to 20'.			
		For Work >20' To 30' Above Floor, Add	0.24		
		Note: Applied only to work area above 20' to 30'.			
		For Work >30' To 40' Above Floor, Add	0.38		
		Note: Applied only to work area above 30' to 40'.			
		For Work >40' Above Floor, Add	0.52		
		Note: Applied only to work area above 40'.			
		For Up To 100, Add	0.78		
		For >100 To 250, Add	0.38		
		For >250 To 500, Add	0.17		
		For >2,500 To 5,000, Deduct	-0.07		
		For >5,000 To 10,000, Deduct	-0.14		
		For >10,000 To 20,000, Deduct	-0.22		
		For >20,000, Deduct	-0.29		

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0121	SF 2 Coats Paint, Brush Work, Paint Exterior Vinyl Siding .....	2.70	
	For Oil Based Paint, Add	0.19	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.90	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.39	
	For >100 To 250, Add	0.68	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.14	
	For >5,000 To 10,000, Deduct	-0.27	
	For >10,000 To 20,000, Deduct	-0.41	
	For >20,000, Deduct	-0.54	
09 91 13 00-0122	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.25	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 13 00-0123	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	1.25	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.10	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.17	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.27	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.37	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 13 00-0124	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Vinyl Siding.....	2.36	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.68	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.09	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000, Deduct	-0.47	
09 91 13 00-0125	SF 1 Coat Primer, Sprayed, Paint Exterior Vinyl Siding.....	1.29	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.32	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.54	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0126	SF	1	Coat Paint, Sprayed, Paint Exterior Vinyl Siding.....	1.50	
			For Oil Based Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.30	
09 91 13 00-0127	SF	2	Coats Paint, Sprayed, Paint Exterior Vinyl Siding.....	2.93	
			For Oil Based Paint, Add	0.24	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.14	
			For >100 To 250, Add	0.58	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.29	
			For >10,000 To 20,000, Deduct	-0.44	
			For >20,000, Deduct	-0.59	
<b>09 91 13 00-0128 Paint Exterior Ceilings (09 91 13)</b>					
<b>09 91 13 00-0129 Paint Exterior Concrete Ceilings (09 91 13 00-0128)</b>					
09 91 13 00-0130	SF	1	Coat Filler, Brush Work, Paint Exterior Concrete Ceiling.....	1.31	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.17	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.37	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0131	SF	1	Coat Paint, Brush Work, Paint Exterior Concrete Ceiling.....	1.38	
			For Oil Based Paint, Add	0.08	
			For Epoxy Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.87	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0132	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling.....	2.48	
			For Oil Based Paint, Add	0.15	
			For Epoxy Paint, Add	0.30	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.48	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.76	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.05	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.52	
			For >100 To 250, Add	0.73	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.50	
09 91	13 00-0133	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling.....	1.03	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.17	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.27	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.37	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.56	
			For >100 To 250, Add	0.27	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.21	
09 91	13 00-0134	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling .....	1.10	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91	13 00-0135	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling .....	2.08	
			For Oil Based Paint, Add	0.13	
			For Epoxy Paint, Add	0.28	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.60	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.83	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.22	
			For >100 To 250, Add	0.59	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.42	
09 91	13 00-0136	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling .....	1.01	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.18	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0137 SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling.....	1.12	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.16	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.31	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 13 00-0138 SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling.....	1.87	
For Oil Based Paint, Add	0.13	
For Epoxy Paint, Add	0.31	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.29	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.46	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.64	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.98	
For >100 To 250, Add	0.48	
For >250 To 500, Add	0.21	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.19	
For >10,000 To 20,000, Deduct	-0.28	
For >20,000, Deduct	-0.37	
<b>09 91 13 00-0139 Drywall/Plaster (09 91 13 00-0128)</b>		
09 91 13 00-0140 SF 1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.32	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.18	
For Epoxy Paint, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.15	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.24	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.39	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.53	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.78	
For >100 To 250, Add	0.37	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
For Epoxy Paint, Add	0.17	
09 91 13 00-0141 SF 1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling.....	1.38	
For Oil Based Paint, Add	0.08	
For Orange Peel Finish, Add	0.19	
For Epoxy Paint, Add	0.15	
For Work >15' To 20' Above Floor, Add	0.17	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.28	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.44	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.61	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.87	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
For Epoxy Paint, Add	0.15	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91	13 00-0142	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling .....	2.49	
			<i>For Oil Based Paint, Add</i>	0.15	
			<i>For Orange Peel Finish, Add</i>	0.34	
			<i>For Epoxy Paint, Add</i>	0.30	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.77	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.06	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.53	
			<i>For &gt;100 To 250, Add</i>	0.73	
			<i>For &gt;250 To 500, Add</i>	0.32	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.25	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.37	
			<i>For &gt;20,000, Deduct</i>	-0.50	
			<i>For Epoxy Paint, Add</i>	0.30	
09 91	13 00-0143	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	1.02	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Orange Peel Finish, Add</i>	0.13	
			<i>For Epoxy Paint, Add</i>	0.16	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.56	
			<i>For &gt;100 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.12	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.10	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.15	
			<i>For &gt;20,000, Deduct</i>	-0.20	
			<i>For Epoxy Paint, Add</i>	0.16	
09 91	13 00-0144	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	1.10	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Orange Peel Finish, Add</i>	0.15	
			<i>For Epoxy Paint, Add</i>	0.14	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.45	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.66	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.11	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
			<i>For &gt;20,000, Deduct</i>	-0.22	
			<i>For Epoxy Paint, Add</i>	0.14	
09 91	13 00-0145	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling.....	2.08	
			<i>For Oil Based Paint, Add</i>	0.13	
			<i>For Orange Peel Finish, Add</i>	0.27	
			<i>For Epoxy Paint, Add</i>	0.28	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.83	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.22	
			<i>For &gt;100 To 250, Add</i>	0.59	
			<i>For &gt;250 To 500, Add</i>	0.26	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.31	
			<i>For &gt;20,000, Deduct</i>	-0.42	
			<i>For Epoxy Paint, Add</i>	0.28	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0146	SF 1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling .....	1.00	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.14	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.23	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.31	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
	For Epoxy Paint, Add	0.18	
09 91 13 00-0147	SF 1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling .....	1.13	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
	For Epoxy Paint, Add	0.16	
09 91 13 00-0148	SF 2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling.....	1.88	
	For Oil Based Paint, Add	0.13	
	For Epoxy Paint, Add	0.31	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.47	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.98	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.38	
	For Epoxy Paint, Add	0.31	

09 91 13 00-0149 Paint Exterior Wood Ceilings (09 91 13 00-0128)

09 91 13 00-0150 Paint Exterior Smooth Wood Ceilings (09 91 13 00-0149)

09 91 13 00-0151	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Ceiling .....	1.64	
	For Oil Based Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.63	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.93	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0152	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Ceiling .....	1.66	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.68	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.99	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	
09 91 13 00-0153	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Ceiling.....	3.05	
	For Oil Based Paint, Add	0.20	
	For Work >15' To 20' Above Floor, Add	0.33	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.55	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.88	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.21	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.78	
	For >100 To 250, Add	0.86	
	For >250 To 500, Add	0.37	
	For >2,500 To 5,000, Deduct	-0.15	
	For >5,000 To 10,000, Deduct	-0.31	
	For >10,000 To 20,000, Deduct	-0.46	
	For >20,000, Deduct	-0.61	
09 91 13 00-0154	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.39	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.33	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.45	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.70	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 13 00-0155	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling.....	1.46	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.38	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.53	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.80	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.29	
09 91 13 00-0156	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Ceiling .....	2.64	
	For Oil Based Paint, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.91	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.39	
	For >100 To 250, Add	0.68	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.26	
	For >10,000 To 20,000, Deduct	-0.40	
	For >20,000, Deduct	-0.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0157	SF	1	Coat Primer, Sprayed, Paint Exterior Smooth Wood Ceiling .....	1.20	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0158	SF	1	Coat Paint, Sprayed, Paint Exterior Smooth Wood Ceiling .....	1.20	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0159	SF	2	Coats Paint, Sprayed, Paint Exterior Smooth Wood Ceiling .....	2.21	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.75	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.15	
			For >100 To 250, Add	0.56	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
<b>09 91 13 00-0160</b>			<b>Paint Exterior Rough Wood Ceilings (09 91 13 00-0149)</b> .....		
09 91 13 00-0161	SF	1	Coat Primer, Brush Work, Paint Exterior Wood Rough Ceiling .....	2.43	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.26	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.43	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.69	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.95	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.40	
			For >100 To 250, Add	0.67	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.36	
			For >20,000, Deduct	-0.49	
09 91 13 00-0162	SF	1	Coat Paint, Brush Work, Paint Exterior Wood Rough Ceiling .....	2.35	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.48	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.77	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.72	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.24	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0163	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Rough Ceiling .....	4.14	
	For Oil Based Paint, Add	0.25	
	For Work >15' To 20' Above Floor, Add	0.49	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.82	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.81	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.60	
	For >100 To 250, Add	1.24	
	For >250 To 500, Add	0.54	
	For >2,500 To 5,000, Deduct	-0.21	
	For >5,000 To 10,000, Deduct	-0.41	
	For >10,000 To 20,000, Deduct	-0.62	
	For >20,000, Deduct	-0.83	
09 91 13 00-0164	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	2.28	
	For Oil Based Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.54	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.75	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.16	
	For >100 To 250, Add	0.57	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.34	
	For >20,000, Deduct	-0.46	
09 91 13 00-0165	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	2.43	
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.83	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.27	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.27	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.36	
	For >20,000, Deduct	-0.49	
09 91 13 00-0166	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Rough Wood Ceiling.....	4.43	
	For Oil Based Paint, Add	0.31	
	For Work >15' To 20' Above Floor, Add	0.39	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.65	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.04	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.22	
	For >100 To 250, Add	1.09	
	For >250 To 500, Add	0.48	
	For >2,500 To 5,000, Deduct	-0.22	
	For >5,000 To 10,000, Deduct	-0.44	
	For >10,000 To 20,000, Deduct	-0.66	
	For >20,000, Deduct	-0.89	
09 91 13 00-0167	SF 1 Coat Primer, Sprayed, Paint Exterior Rough Wood Ceiling .....	1.93	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.63	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.98	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0168	SF	1	Coat Paint, Sprayed, Paint Exterior Rough Wood Ceiling .....	2.12	
			For Oil Based Paint, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.74	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.12	
			For >100 To 250, Add	0.55	
			For >250 To 500, Add	0.24	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
09 91 13 00-0169	SF	2	Coats Paint, Sprayed, Paint Exterior Rough Wood Ceiling .....	3.89	
			For Oil Based Paint, Add	0.27	
			For Work >15' To 20' Above Floor, Add	0.35	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.58	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.93	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.28	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.98	
			For >100 To 250, Add	0.97	
			For >250 To 500, Add	0.43	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.39	
			For >10,000 To 20,000, Deduct	-0.58	
			For >20,000, Deduct	-0.78	
09 91 13 00-0170			Paint Exterior Metal Ceilings (09 91 13 00-0128)		
09 91 13 00-0171			Paint Exterior Galvanized Ceilings (09 91 13 00-0170)		
			Note: Linseed oil or acrylic latex paint.		
09 91 13 00-0172	SF	1	Coat Primer, Brush Work, Paint Exterior Galvanized Ceiling .....	1.56	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.89	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	
09 91 13 00-0173	SF	1	Coat Paint, Brush Work, Paint Exterior Galvanized Ceiling .....	1.69	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.68	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.99	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 13 00-0174	SF	2	Coats Paint, Brush Work, Paint Exterior Galvanized Ceiling .....	3.10	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.55	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.88	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.20	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.78	
			For >100 To 250, Add	0.86	
			For >250 To 500, Add	0.37	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.31	
			For >10,000 To 20,000, Deduct	-0.47	
			For >20,000, Deduct	-0.62	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0175	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Ceiling ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.20 0.12 0.21 0.33 0.45 0.67 0.33 0.14 -0.06 -0.12 -0.18 -0.24	
09 91 13 00-0176	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.34 0.14 0.24 0.38 0.53 0.78 0.37 0.16 -0.07 -0.13 -0.20 -0.27	
09 91 13 00-0177	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Ceiling ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.40 0.25 0.41 0.66 0.91 1.35 0.65 0.29 -0.12 -0.24 -0.36 -0.48	
09 91 13 00-0178	SF 1 Coat Primer, Sprayed, Paint Exterior Galvanized Ceiling ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.30 0.12 0.19 0.31 0.42 0.66 0.32 0.14 -0.07 -0.13 -0.20 -0.26	
09 91 13 00-0179	SF 1 Coat Paint, Sprayed, Paint Exterior Galvanized Ceiling ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.48 0.14 0.24 0.38 0.52 0.79 0.39 0.17 -0.07 -0.15 -0.22 -0.30	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	09 91	13 00-0180	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Ceiling.....	2.42	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.34	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.54	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.75	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	1.18	
				<i>For &gt;100 To 250, Add</i>	0.58	
				<i>For &gt;250 To 500, Add</i>	0.26	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.24	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.36	
				<i>For &gt;20,000, Deduct</i>	-0.48	
	09 91	13 00-0181		<b>Paint Exterior Aluminum And Aluminum Alloy Ceilings (09 91 13 00-0170)</b>		
				<i>Note: Alkyd enamel paint.</i>		
	09 91	13 00-0182	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.56	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.28	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.44	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.61	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.89	
				<i>For &gt;100 To 250, Add</i>	0.43	
				<i>For &gt;250 To 500, Add</i>	0.19	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
				<i>For &gt;20,000, Deduct</i>	-0.31	
	09 91	13 00-0183	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.69	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.49	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.68	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.99	
				<i>For &gt;100 To 250, Add</i>	0.48	
				<i>For &gt;250 To 500, Add</i>	0.21	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
				<i>For &gt;20,000, Deduct</i>	-0.34	
	09 91	13 00-0184	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	3.10	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.33	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.55	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.88	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	1.20	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	1.78	
				<i>For &gt;100 To 250, Add</i>	0.86	
				<i>For &gt;250 To 500, Add</i>	0.37	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.16	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.31	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.47	
				<i>For &gt;20,000, Deduct</i>	-0.62	
	09 91	13 00-0185	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....	1.35	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.12	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.21	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.33	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.45	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.69	
				<i>For &gt;100 To 250, Add</i>	0.34	
				<i>For &gt;250 To 500, Add</i>	0.15	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.14	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
				<i>For &gt;20,000, Deduct</i>	-0.27	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 91 13 00-0186	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....		1.49	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.14	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.24	
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.38	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>		0.53	
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>		0.80	
		<i>For &gt;100 To 250, Add</i>		0.39	
		<i>For &gt;250 To 500, Add</i>		0.17	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.15	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.22	
		<i>For &gt;20,000, Deduct</i>		-0.30	
09 91 13 00-0187	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....		2.71	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.25	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.41	
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.66	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>		0.91	
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>		1.40	
		<i>For &gt;100 To 250, Add</i>		0.68	
		<i>For &gt;250 To 500, Add</i>		0.30	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.14	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.27	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.41	
		<i>For &gt;20,000, Deduct</i>		-0.54	
09 91 13 00-0188	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....		1.30	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.12	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.19	
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.31	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>		0.42	
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>		0.66	
		<i>For &gt;100 To 250, Add</i>		0.32	
		<i>For &gt;250 To 500, Add</i>		0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.13	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.20	
		<i>For &gt;20,000, Deduct</i>		-0.26	
09 91 13 00-0189	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....		1.30	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.12	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.19	
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.31	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>		0.42	
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>		0.66	
		<i>For &gt;100 To 250, Add</i>		0.32	
		<i>For &gt;250 To 500, Add</i>		0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.13	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.20	
		<i>For &gt;20,000, Deduct</i>		-0.26	
09 91 13 00-0190	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Ceiling.....		2.42	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.20	
		<i>Note: Applied only to work area above 15' to 20'.</i>			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.34	
		<i>Note: Applied only to work area above 20' to 30'.</i>			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.54	
		<i>Note: Applied only to work area above 30' to 40'.</i>			
		<i>For Work &gt;40' Above Floor, Add</i>		0.75	
		<i>Note: Applied only to work area above 40'.</i>			
		<i>For Up To 100, Add</i>		1.18	
		<i>For &gt;100 To 250, Add</i>		0.58	
		<i>For &gt;250 To 500, Add</i>		0.26	
		<i>For &gt;2,500 To 5,000, Deduct</i>		-0.12	
		<i>For &gt;5,000 To 10,000, Deduct</i>		-0.24	
		<i>For &gt;10,000 To 20,000, Deduct</i>		-0.36	
		<i>For &gt;20,000, Deduct</i>		-0.48	

09 91 13 00-0191 Paint Exterior Corrugated Metal Ceilings (09 91 13 00-0170)



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
09 91	13 00-0192	SF	1	Coat Primer, Sprayed, Paint Exterior Corrugated Metal Ceiling .....	1.44		
				For Work >15' To 20' Above Floor, Add	0.12		
				Note: Applied only to work area above 15' to 20'.			
				For Work >20' To 30' Above Floor, Add	0.21		
				Note: Applied only to work area above 20' to 30'.			
				For Work >30' To 40' Above Floor, Add	0.33		
				Note: Applied only to work area above 30' to 40'.			
				For Work >40' Above Floor, Add	0.46		
				Note: Applied only to work area above 40'.			
				For Up To 100, Add	0.71		
				For >100 To 250, Add	0.35		
				For >250 To 500, Add	0.16		
				For >2,500 To 5,000, Deduct	-0.07		
				For >5,000 To 10,000, Deduct	-0.14		
				For >10,000 To 20,000, Deduct	-0.22		
				For >20,000, Deduct	-0.29		
09 91	13 00-0193	SF	1	Coat Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	1.65		
				For Work >15' To 20' Above Floor, Add	0.16		
				Note: Applied only to work area above 15' to 20'.			
				For Work >20' To 30' Above Floor, Add	0.26		
				Note: Applied only to work area above 20' to 30'.			
				For Work >30' To 40' Above Floor, Add	0.42		
				Note: Applied only to work area above 30' to 40'.			
				For Work >40' Above Floor, Add	0.57		
				Note: Applied only to work area above 40'.			
				For Up To 100, Add	0.87		
				For >100 To 250, Add	0.43		
				For >250 To 500, Add	0.19		
				For >2,500 To 5,000, Deduct	-0.08		
				For >5,000 To 10,000, Deduct	-0.17		
				For >10,000 To 20,000, Deduct	-0.25		
				For >20,000, Deduct	-0.33		
09 91	13 00-0194	SF	2	Coats Paint, Sprayed, Paint Exterior Corrugated Metal Ceiling.....	3.00		
				For Work >15' To 20' Above Floor, Add	0.27		
				Note: Applied only to work area above 15' to 20'.			
				For Work >20' To 30' Above Floor, Add	0.45		
				Note: Applied only to work area above 20' to 30'.			
				For Work >30' To 40' Above Floor, Add	0.72		
				Note: Applied only to work area above 30' to 40'.			
				For Work >40' Above Floor, Add	0.98		
				Note: Applied only to work area above 40'.			
				For Up To 100, Add	1.52		
				For >100 To 250, Add	0.75		
				For >250 To 500, Add	0.33		
				For >2,500 To 5,000, Deduct	-0.15		
				For >5,000 To 10,000, Deduct	-0.30		
				For >10,000 To 20,000, Deduct	-0.45		
				For >20,000, Deduct	-0.60		
09 91	13 00-0195	<b>Paint Exterior Floors</b> (09 91 13)					
09 91	13 00-0196	<b>Paint Exterior Concrete Floors</b> (09 91 13 00-0195)					
09 91	13 00-0197	SF	1	Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.03		
				For Oil Based Paint, Add	0.07		
				For Epoxy Paint, Add	0.16		
				For Up To 100, Add	0.56		
				For >100 To 250, Add	0.27		
				For >250 To 500, Add	0.12		
				For >2,500 To 5,000, Deduct	-0.05		
				For >5,000 To 10,000, Deduct	-0.10		
				For >10,000 To 20,000, Deduct	-0.15		
				For >20,000, Deduct	-0.21		
09 91	13 00-0198	SF	1	Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	1.10		
				For Oil Based Paint, Add	0.07		
				For Epoxy Paint, Add	0.14		
				For Up To 100, Add	0.66		
				For >100 To 250, Add	0.32		
				For >250 To 500, Add	0.14		
				For >2,500 To 5,000, Deduct	-0.06		
				For >5,000 To 10,000, Deduct	-0.11		
				For >10,000 To 20,000, Deduct	-0.17		
				For >20,000, Deduct	-0.22		
09 91	13 00-0199	SF	2	Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks.....	2.08		
				For Oil Based Paint, Add	0.13		
				For Epoxy Paint, Add	0.28		
				For Up To 100, Add	1.22		
				For >100 To 250, Add	0.59		
				For >250 To 500, Add	0.26		
				For >2,500 To 5,000, Deduct	-0.10		
				For >5,000 To 10,000, Deduct	-0.21		
				For >10,000 To 20,000, Deduct	-0.31		
				For >20,000, Deduct	-0.42		

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0200	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	0.89	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.15	
	For Up To 100, Add	0.46	
	For >100 To 250, Add	0.22	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 13 00-0201	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	0.96	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.13	
	For Up To 100, Add	0.55	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0202	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	1.64	
	For Oil Based Paint, Add	0.11	
	For Epoxy Paint, Add	0.25	
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	
09 91 13 00-0203	SF 1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks .....	0.82	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.17	
	For Up To 100, Add	0.36	
	For >100 To 250, Add	0.18	
	For >250 To 500, Add	0.08	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.08	
	For >10,000 To 20,000, Deduct	-0.12	
	For >20,000, Deduct	-0.16	
09 91 13 00-0204	SF 1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks.....	0.93	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.15	
	For Up To 100, Add	0.49	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.10	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 13 00-0205	SF 2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks .....	1.68	
	For Oil Based Paint, Add	0.12	
	For Epoxy Paint, Add	0.30	
	For Up To 100, Add	0.83	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.34	
09 91 13 00-0206	SF 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks .....	2.31	
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000, Deduct	-0.46	
09 91 13 00-0207	SF 1 Coat Anti-Slip Paint, High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks.....	6.76	
	For Up To 100, Add	1.42	
	For >100 To 250, Add	0.85	
	For >250 To 500, Add	0.41	
	For >2,500 To 5,000, Deduct	-0.34	
	For >5,000 To 10,000, Deduct	-0.68	
	For >10,000 To 20,000, Deduct	-1.01	
	For >20,000, Deduct	-1.35	
09 91 13 00-0208	<b>Paint Exterior Wood Floors</b> <small>(09 91 13 00-0195)</small>		
09 91 13 00-0209	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Floors And Decks .....	1.32	
	For Oil Based Paint, Add	0.09	
	For Up To 100, Add	0.69	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 13 00-0210	SF	1	Coat Paint, Brush Work, Paint Exterior Wood Floors And Decks .....	1.39	
			For Oil Based Paint, Add	0.09	
			For Up To 100, Add	0.78	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 13 00-0211	SF	2	Coats Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.63	
			For Oil Based Paint, Add	0.17	
			For Up To 100, Add	1.46	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.53	
09 91 13 00-0212	SF	1	Coat Primer, Brush/Roller Work, Paint Exterior Wood Floors And Decks.....	1.26	
			For Oil Based Paint, Add	0.09	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 13 00-0213	SF	1	Coat Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks .....	1.32	
			For Oil Based Paint, Add	0.09	
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.26	
09 91 13 00-0214	SF	2	Coats Paint, Brush/Roller Work, Paint Exterior Wood Floors And Decks .....	2.22	
			For Oil Based Paint, Add	0.16	
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	
09 91 13 00-0215	SF	1	Coat Primer, Sprayed, Paint Exterior Wood Floors And Decks .....	1.01	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.50	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 13 00-0216	SF	1	Coat Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	1.20	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 13 00-0217	SF	2	Coats Paint, Sprayed, Paint Exterior Wood Floors And Decks.....	2.01	
			For Oil Based Paint, Add	0.14	
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.20	
			For >10,000 To 20,000, Deduct	-0.30	
			For >20,000, Deduct	-0.40	
09 91 13 00-0218	SF	1	Coat Non-Slip Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	2.45	
			For Up To 100, Add	0.86	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.37	
			For >20,000, Deduct	-0.49	
09 91 13 00-0219	SF	1	Coat Non-Slip Epoxy Paint, Brush Work, Paint Exterior Wood Floors And Decks.....	6.90	
			For Up To 100, Add	1.53	
			For >100 To 250, Add	0.90	
			For >250 To 500, Add	0.43	
			For >2,500 To 5,000, Deduct	-0.35	
			For >5,000 To 10,000, Deduct	-0.69	
			For >10,000 To 20,000, Deduct	-1.04	
			For >20,000, Deduct	-1.38	

09 91 13 00-0220 Paint Exterior Doors And Windows (09 91 13)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>09 91 13 00-0221</b>		<b>Paint Exterior Door Frames</b> <small>(09 91 13 00-0220)</small>	
09 91 13 00-0222	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim ..... <i>For Painting Either Interior Or Exterior Only, Deduct</i>	1.56 -0.43
09 91 13 00-0223	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim..... <i>For Painting Either Interior Or Exterior Only, Deduct</i>	2.00 -0.54
09 91 13 00-0224	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door Frame And Trim..... <i>For Painting Either Interior Or Exterior Only, Deduct</i>	3.39 -0.91
09 91 13 00-0225	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim..... <i>For Painting Either Interior Or Exterior Only, Deduct</i>	1.52 -0.41
09 91 13 00-0226	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim ..... <i>For Painting Either Interior Or Exterior Only, Deduct</i>	1.96 -0.52
09 91 13 00-0227	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door Frame And Trim..... <i>For Painting Either Interior Or Exterior Only, Deduct</i>	3.32 -0.88
<b>09 91 13 00-0228</b>		<b>Paint Exterior Metal Doors</b> <small>(09 91 13 00-0220)</small>	
09 91 13 00-0229	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door..... Note: One face	70.93
		<i>For Half Louvered Door, Add</i>	5.96
		<i>For Full Louvered Door, Add</i>	9.93
		<i>For Electrostatic Painting, Add</i>	11.77
		<i>For &gt;5 To 10, Deduct</i>	-3.55
		<i>For &gt;10 To 25, Deduct</i>	-7.09
		<i>For &gt;25, Deduct</i>	-10.64
09 91 13 00-0230	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door ..... Note: One face	70.93
		<i>For Half Louvered Door, Add</i>	5.96
		<i>For Full Louvered Door, Add</i>	9.93
		<i>For Electrostatic Painting, Add</i>	11.77
		<i>For &gt;5 To 10, Deduct</i>	-3.55
		<i>For &gt;10 To 25, Deduct</i>	-7.09
		<i>For &gt;25, Deduct</i>	-10.64
09 91 13 00-0231	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door ..... Note: One face	129.13
		<i>For Half Louvered Door, Add</i>	10.07
		<i>For Full Louvered Door, Add</i>	16.78
		<i>For Electrostatic Painting, Add</i>	22.21
		<i>For &gt;5 To 10, Deduct</i>	-6.46
		<i>For &gt;10 To 25, Deduct</i>	-12.91
		<i>For &gt;25, Deduct</i>	-19.37
09 91 13 00-0232	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door..... Note: Both faces	127.32
		<i>For Half Louvered Door, Add</i>	10.69
		<i>For Full Louvered Door, Add</i>	17.81
		<i>For Electrostatic Painting, Add</i>	21.14
		<i>For &gt;5 To 10, Deduct</i>	-6.37
		<i>For &gt;10 To 25, Deduct</i>	-12.73
		<i>For &gt;25, Deduct</i>	-19.10
09 91 13 00-0233	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door ..... Note: Both faces	127.32
		<i>For Half Louvered Door, Add</i>	10.69
		<i>For Full Louvered Door, Add</i>	17.81
		<i>For Electrostatic Painting, Add</i>	21.14
		<i>For &gt;5 To 10, Deduct</i>	-6.37
		<i>For &gt;10 To 25, Deduct</i>	-12.73
		<i>For &gt;25, Deduct</i>	-19.10
09 91 13 00-0234	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door ..... Note: Both faces	232.68
		<i>For Half Louvered Door, Add</i>	18.08
		<i>For Full Louvered Door, Add</i>	30.14
		<i>For Electrostatic Painting, Add</i>	40.09
		<i>For &gt;5 To 10, Deduct</i>	-11.63
		<i>For &gt;10 To 25, Deduct</i>	-23.27
		<i>For &gt;25, Deduct</i>	-34.90
09 91 13 00-0235	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door ..... Note: One face	71.68
		<i>For Half Louvered Door, Add</i>	5.60
		<i>For Full Louvered Door, Add</i>	9.34
		<i>For Electrostatic Painting, Add</i>	12.32
		<i>For &gt;5 To 10, Deduct</i>	-3.58
		<i>For &gt;10 To 25, Deduct</i>	-7.17
		<i>For &gt;25, Deduct</i>	-10.75
09 91 13 00-0236	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door..... Note: One face	71.67
		<i>For Half Louvered Door, Add</i>	5.60
		<i>For Full Louvered Door, Add</i>	9.34
		<i>For Electrostatic Painting, Add</i>	12.32
		<i>For &gt;5 To 10, Deduct</i>	-3.58
		<i>For &gt;10 To 25, Deduct</i>	-7.17
		<i>For &gt;25, Deduct</i>	-10.75
09 91 13 00-0237	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door ..... Note: One face	131.30
		<i>For Half Louvered Door, Add</i>	9.46
		<i>For Full Louvered Door, Add</i>	15.77
		<i>For Electrostatic Painting, Add</i>	23.36
		<i>For &gt;5 To 10, Deduct</i>	-6.57
		<i>For &gt;10 To 25, Deduct</i>	-13.13
		<i>For &gt;25, Deduct</i>	-19.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0238	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door .....	128.67	
		Note: Both faces		
		For Half Louvered Door, Add	10.05	
		For Full Louvered Door, Add	16.75	
		For Electrostatic Painting, Add	22.12	
		For >5 To 10, Deduct	-6.43	
		For >10 To 25, Deduct	-12.87	
		For >25, Deduct	-19.30	
09 91 13 00-0239	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door .....	128.67	
		Note: Both faces		
		For Half Louvered Door, Add	10.05	
		For Full Louvered Door, Add	16.75	
		For Electrostatic Painting, Add	22.12	
		For >5 To 10, Deduct	-6.43	
		For >10 To 25, Deduct	-12.87	
		For >25, Deduct	-19.30	
09 91 13 00-0240	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door .....	236.69	
		Note: Both faces		
		For Half Louvered Door, Add	17.00	
		For Full Louvered Door, Add	28.34	
		For Electrostatic Painting, Add	42.17	
		For >5 To 10, Deduct	-11.83	
		For >10 To 25, Deduct	-23.67	
		For >25, Deduct	-35.50	
09 91 13 00-0241	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	3.25	
		For Electrostatic Painting, Add	0.40	
09 91 13 00-0242	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	3.45	
		For Electrostatic Painting, Add	0.45	
09 91 13 00-0243	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door .....	7.03	
		For Electrostatic Painting, Add	0.90	
09 91 13 00-0244	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	4.04	
		For Electrostatic Painting, Add	0.48	
09 91 13 00-0245	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	4.24	
		For Electrostatic Painting, Add	0.53	
09 91 13 00-0246	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door .....	8.21	
		For Electrostatic Painting, Add	1.03	

**09 91 13 00-0247 Paint Exterior Wood Doors** (09 91 13 00-0220)

09 91 13 00-0248	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door .....	73.26	
		Note: One face		
		For Half Louvered Door, Add	5.96	
		For Full Louvered Door, Add	9.93	
		For >5 To 10, Deduct	-3.66	
		For >10 To 25, Deduct	-7.33	
		For >25, Deduct	-10.99	
09 91 13 00-0249	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door .....	73.26	
		Note: One face		
		For Half Louvered Door, Add	5.96	
		For Full Louvered Door, Add	9.93	
		For >5 To 10, Deduct	-3.66	
		For >10 To 25, Deduct	-7.33	
		For >25, Deduct	-10.99	
09 91 13 00-0250	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door .....	133.76	
		Note: One face		
		For Half Louvered Door, Add	10.07	
		For Full Louvered Door, Add	16.78	
		For >5 To 10, Deduct	-6.69	
		For >10 To 25, Deduct	-13.38	
		For >25, Deduct	-20.06	
09 91 13 00-0251	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door .....	131.51	
		Note: Both faces		
		For Half Louvered Door, Add	10.69	
		For Full Louvered Door, Add	17.81	
		For >5 To 10, Deduct	-6.58	
		For >10 To 25, Deduct	-13.15	
		For >25, Deduct	-19.73	
09 91 13 00-0252	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door .....	131.51	
		Note: Both faces		
		For Half Louvered Door, Add	10.69	
		For Full Louvered Door, Add	17.81	
		For >5 To 10, Deduct	-6.58	
		For >10 To 25, Deduct	-13.15	
		For >25, Deduct	-19.73	
09 91 13 00-0253	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door .....	241.06	
		Note: Both faces		
		For Half Louvered Door, Add	18.08	
		For Full Louvered Door, Add	30.14	
		For >5 To 10, Deduct	-12.05	
		For >10 To 25, Deduct	-24.11	
		For >25, Deduct	-36.16	
09 91 13 00-0254	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door .....	74.24	
		Note: One face		
		For Half Louvered Door, Add	5.60	
		For Full Louvered Door, Add	9.34	
		For >5 To 10, Deduct	-3.71	
		For >10 To 25, Deduct	-7.42	
		For >25, Deduct	-11.14	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0255	EA		1 Coat Paint, Sprayed, Paint Exterior Wood Door .....74.24 Note: One face		
			For Half Louvered Door, Add	5.60	
			For Full Louvered Door, Add	9.34	
			For >5 To 10, Deduct	-3.71	
			For >10 To 25, Deduct	-7.42	
			For >25, Deduct	-11.14	
09 91 13 00-0256	EA		2 Coats Paint, Sprayed, Paint Exterior Wood Door .....136.42 Note: One face		
			For Half Louvered Door, Add	9.47	
			For Full Louvered Door, Add	15.78	
			For >5 To 10, Deduct	-6.82	
			For >10 To 25, Deduct	-13.64	
			For >25, Deduct	-20.46	
09 91 13 00-0257	EA		1 Coat Primer, Sprayed, Paint Exterior Wood Door .....133.27 Note: Both faces		
			For Half Louvered Door, Add	10.05	
			For Full Louvered Door, Add	16.75	
			For >5 To 10, Deduct	-6.66	
			For >10 To 25, Deduct	-13.33	
			For >25, Deduct	-19.99	
09 91 13 00-0258	EA		1 Coat Paint, Sprayed, Paint Exterior Wood Door .....133.27 Note: Both faces		
			For Half Louvered Door, Add	10.05	
			For Full Louvered Door, Add	16.75	
			For >5 To 10, Deduct	-6.66	
			For >10 To 25, Deduct	-13.33	
			For >25, Deduct	-19.99	
09 91 13 00-0259	EA		2 Coats Paint, Sprayed, Paint Exterior Wood Door .....245.91 Note: Both faces		
			For Half Louvered Door, Add	17.00	
			For Full Louvered Door, Add	28.34	
			For >5 To 10, Deduct	-12.30	
			For >10 To 25, Deduct	-24.59	
			For >25, Deduct	-36.89	
09 91 13 00-0260	SF		1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....3.31		
09 91 13 00-0261	SF		1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....3.50		
09 91 13 00-0262	SF		2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....7.13		
09 91 13 00-0263	SF		1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....4.08		
09 91 13 00-0264	SF		1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....4.29		
09 91 13 00-0265	SF		2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door .....8.31		
<b>09 91 13 00-0266 Paint Exterior Metal Windows (09 91 13 00-0220)</b>					
Note: Two finish coats paint over rust inhibitive primer.					
09 91 13 00-0267	EA		Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....109.79		
			For Electrostatic Painting, Add	14.09	
			For >5 To 10, Deduct	-5.49	
			For >10 To 25, Deduct	-10.98	
			For >25, Deduct	-16.47	
09 91 13 00-0268	EA		>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....134.78		
			For Electrostatic Painting, Add	18.28	
			For >5 To 10, Deduct	-6.74	
			For >10 To 25, Deduct	-13.48	
			For >25, Deduct	-20.22	
09 91 13 00-0269	EA		>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....182.50		
			For Electrostatic Painting, Add	25.07	
			For >5 To 10, Deduct	-9.13	
			For >10 To 25, Deduct	-18.25	
			For >25, Deduct	-27.38	
09 91 13 00-0270	EA		>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....205.57		
			For Electrostatic Painting, Add	28.27	
			For >5 To 10, Deduct	-10.28	
			For >10 To 25, Deduct	-20.56	
			For >25, Deduct	-30.84	
09 91 13 00-0271	EA		>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....227.83		
			For Electrostatic Painting, Add	31.27	
			For >5 To 10, Deduct	-11.39	
			For >10 To 25, Deduct	-22.78	
			For >25, Deduct	-34.17	
09 91 13 00-0272	SF		>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Metal Window Including Trim .....7.22		
			For Electrostatic Painting, Add	0.99	
<b>09 91 13 00-0273 Paint Exterior Wood Windows (09 91 13 00-0220)</b>					
Note: Two finish coats paint over primer.					
09 91 13 00-0274	EA		Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....111.34		
			For >5 To 10, Deduct	-5.57	
			For >10 To 25, Deduct	-11.13	
			For >25, Deduct	-16.70	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0275	EA	>8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....			137.18	
		<i>For &gt;5 To 10, Deduct</i> .....			-6.86	
		<i>For &gt;10 To 25, Deduct</i> .....			-13.72	
		<i>For &gt;25, Deduct</i> .....			-20.58	
09 91 13 00-0276	EA	>14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....			185.89	
		<i>For &gt;5 To 10, Deduct</i> .....			-9.29	
		<i>For &gt;10 To 25, Deduct</i> .....			-18.59	
		<i>For &gt;25, Deduct</i> .....			-27.88	
09 91 13 00-0277	EA	>20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....			209.41	
		<i>For &gt;5 To 10, Deduct</i> .....			-10.47	
		<i>For &gt;10 To 25, Deduct</i> .....			-20.94	
		<i>For &gt;25, Deduct</i> .....			-31.41	
09 91 13 00-0278	EA	>26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....			232.06	
		<i>For &gt;5 To 10, Deduct</i> .....			-11.60	
		<i>For &gt;10 To 25, Deduct</i> .....			-23.21	
		<i>For &gt;25, Deduct</i> .....			-34.81	
09 91 13 00-0279	SF	>34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Exterior Wood Window Including Trim .....			7.70	
<b>09 91 13 00-0280 Paint Exterior Security Screens</b> <small>(09 91 13 00-0220)</small>						
09 91 13 00-0281	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Security Screen .....			2.35	
		<i>For Electrostatic Painting, Add</i> .....			0.30	
09 91 13 00-0282	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Security Screen .....			2.40	
		<i>For Electrostatic Painting, Add</i> .....			0.29	
09 91 13 00-0283	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Security Screen .....			3.99	
		<i>For Electrostatic Painting, Add</i> .....			0.49	
<b>09 91 13 00-0284 Paint Exterior Window Guards</b> <small>(09 91 13 00-0220)</small>						
09 91 13 00-0285	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Guards .....			2.35	
09 91 13 00-0286	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Guards .....			2.40	
09 91 13 00-0287	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Guards .....			3.99	
<b>09 91 13 00-0288 Paint Exterior Window Trim</b> <small>(09 91 13 00-0220)</small>						
09 91 13 00-0289	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim .....			2.29	
09 91 13 00-0290	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim .....			2.29	
09 91 13 00-0291	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim .....			3.74	
09 91 13 00-0292	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....			2.44	
09 91 13 00-0293	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....			2.44	
09 91 13 00-0294	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim .....			4.05	
<b>09 91 13 00-0295 Paint Exterior Roofing And Trim</b> <small>(09 91 13)</small>						
<b>09 91 13 00-0296 Paint Stain Or Seal Wood Roofing</b> <small>(09 91 13 00-0295)</small>						
09 91 13 00-0297	SF	1 Coat Paint, Brush/Roller Work, Stain And Seal Shingles/Shake .....			3.38	
		<i>For Up To 100, Add</i> .....			1.64	
		<i>For &gt;100 To 250, Add</i> .....			0.81	
		<i>For &gt;250 To 500, Add</i> .....			0.36	
09 91 13 00-0298	SF	2 Coats Stain, Brush/Roller Work, Stain And Seal Shingles/Shake .....			6.23	
		<i>For Up To 100, Add</i> .....			2.97	
		<i>For &gt;100 To 250, Add</i> .....			1.47	
		<i>For &gt;250 To 500, Add</i> .....			0.65	
<b>09 91 13 00-0299 Paint Metal Roofing</b> <small>(09 91 13 00-0295)</small>						
09 91 13 00-0300	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Roofing .....			1.34	
		<i>For Up To 100, Add</i> .....			0.65	
		<i>For &gt;100 To 250, Add</i> .....			0.32	
		<i>For &gt;250 To 500, Add</i> .....			0.14	
09 91 13 00-0301	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Roofing .....			2.34	
		<i>For Up To 100, Add</i> .....			1.16	
		<i>For &gt;100 To 250, Add</i> .....			0.57	
		<i>For &gt;250 To 500, Add</i> .....			0.25	
<b>09 91 13 00-0302 Paint Fascia Board</b> <small>(09 91 13 00-0295)</small>						
09 91 13 00-0303	LF	1 Coat Primer, Brush/Roller Work, Paint Fascia Board .....			1.39	
		<i>For Up To 100, Add</i> .....			0.66	
		<i>For &gt;100 To 250, Add</i> .....			0.33	
		<i>For &gt;250 To 500, Add</i> .....			0.14	
09 91 13 00-0304	LF	1 Coat Paint, Brush/Roller Work, Paint Fascia Board .....			1.39	
		<i>For Up To 100, Add</i> .....			0.66	
		<i>For &gt;100 To 250, Add</i> .....			0.33	
		<i>For &gt;250 To 500, Add</i> .....			0.14	
09 91 13 00-0305	LF	2 Coats Paint, Brush/Roller Work, Paint Fascia Board .....			2.41	
		<i>For Up To 100, Add</i> .....			1.17	
		<i>For &gt;100 To 250, Add</i> .....			0.58	
		<i>For &gt;250 To 500, Add</i> .....			0.26	
09 91 13 00-0306		<b>Paint Soffit</b> <small>(09 91 13 00-0295)</small>				

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0307	SF 1 Coat Primer, Brush/Roller Work, Paint Soffit .....	1.67	
	For Up To 100, Add	0.70	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.16	
09 91 13 00-0308	SF 1 Coat Paint, Brush/Roller Work, Paint Soffit.....	1.67	
	For Up To 100, Add	0.70	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.16	
09 91 13 00-0309	SF 2 Coats Paint, Brush/Roller Work, Paint Soffit.....	2.84	
	For Up To 100, Add	1.24	
	For >100 To 250, Add	0.62	
	For >250 To 500, Add	0.28	
09 91 13 00-0310	<b>Paint Metal Surfaces</b> <small>(09 91 13)</small>		
	Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0311	<b>Paint Structural Steel</b> <small>(09 91 13 00-0310)</small>		
09 91 13 00-0312	<b>Paint Structural Steel, Brush Work</b> <small>(09 91 13 00-0311)</small>		
09 91 13 00-0313	SF 1 Field Coat Primer, Brush/Roller Work, Paint Exterior Structural Steel.....	1.62	
	For Up To 100, Add	1.04	
	For >100 To 250, Add	0.49	
	For >250 To 500, Add	0.21	
	For Epoxy Paint, Add	0.17	
09 91 13 00-0314	SF 1 Field Coat Paint, Brush/Roller Work, Paint Exterior Structural Steel .....	1.44	
	For Up To 100, Add	0.90	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For Epoxy Paint, Add	0.16	
09 91 13 00-0315	<b>Paint Structural Steel, Spray Work</b> <small>(09 91 13 00-0311)</small>		
09 91 13 00-0316	SF 1 Field Coat Primer, Sprayed, Paint Exterior Structural Steel.....	1.09	
	For Electrostatic Painting, Add	0.15	
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.13	
	For Epoxy Paint, Add	0.14	
09 91 13 00-0317	SF 1 Field Coat Paint, Sprayed, Paint Exterior Structural Steel .....	0.91	
	For Electrostatic Painting, Add	0.14	
	For Up To 100, Add	0.50	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For Epoxy Paint, Add	0.14	
09 91 13 00-0318	<b>Paint Metal Decking, Beams And Bar Joist</b> <small>(09 91 13 00-0311)</small>		
09 91 13 00-0319	SF 1 Coat Primer, Sprayed, Paint Exposed Metal Decking.....	1.23	
	For Up To 100, Add	0.74	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.15	
	For Epoxy Paint, Add	0.15	
09 91 13 00-0320	SF 1 Coat Paint, Sprayed, Paint Exposed Metal Decking .....	1.23	
	For Up To 100, Add	0.74	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.15	
	For Epoxy Paint, Add	0.15	
09 91 13 00-0321	SF 2 Coats Paint, Sprayed, Paint Exposed Metal Decking .....	2.08	
	For Up To 100, Add	1.19	
	For >100 To 250, Add	0.58	
	For >250 To 500, Add	0.25	
	For Epoxy Paint, Add	0.29	
09 91 13 00-0322	SF 1 Coat Primer, Brush/Roller Work, Paint Metal Beams And Bar Joists.....	1.64	
	For Up To 100, Add	0.88	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For Epoxy Paint, Add	0.26	
09 91 13 00-0323	SF 1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists .....	1.58	
	For Up To 100, Add	0.88	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For Epoxy Paint, Add	0.23	
09 91 13 00-0324	SF 2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists .....	2.99	
	For Up To 100, Add	1.62	
	For >100 To 250, Add	0.79	
	For >250 To 500, Add	0.35	
	For Epoxy Paint, Add	0.46	
09 91 13 00-0325	SF 1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists .....	1.51	
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For Epoxy Paint, Add	0.21	
09 91 13 00-0326	SF 1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists.....	1.51	
	For Up To 100, Add	0.87	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For Epoxy Paint, Add	0.21	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0327 SF 2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists.....	2.57	
For Up To 100, Add	1.40	
For >100 To 250, Add	0.68	
For >250 To 500, Add	0.30	
For Epoxy Paint, Add	0.39	
<b>09 91 13 00-0328 Paint Steel Pipes</b> (09 91 13 00-0310)		
Note: Includes pipe, tubes, rails, conduit, etc.		
09 91 13 00-0329 LF 1 Coat Primer, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.17	
For Electrostatic Painting, Add	0.29	
For Epoxy Paint, Add	0.25	
09 91 13 00-0330 LF 1 Coat Primer, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.43	
For Electrostatic Painting, Add	0.32	
For Epoxy Paint, Add	0.28	
09 91 13 00-0331 LF 1 Coat Primer, 4" Diameter, Paint Steel Pipes.....	2.74	
For Electrostatic Painting, Add	0.36	
For Epoxy Paint, Add	0.32	
09 91 13 00-0332 LF 1 Coat Primer, 6" To 8" Diameter, Paint Steel Pipes.....	3.43	
For Electrostatic Painting, Add	0.45	
For Epoxy Paint, Add	0.39	
09 91 13 00-0333 LF 1 Coat Primer, 10" To 12" Diameter, Paint Steel Pipes.....	4.33	
For Electrostatic Painting, Add	0.57	
For Epoxy Paint, Add	0.49	
09 91 13 00-0334 LF 1 Coat Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.17	
For Electrostatic Painting, Add	0.29	
For Epoxy Paint, Add	0.25	
09 91 13 00-0335 LF 1 Coat Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	2.43	
For Electrostatic Painting, Add	0.32	
For Epoxy Paint, Add	0.28	
09 91 13 00-0336 LF 1 Coat Paint, 4" Diameter, Paint Steel Pipes.....	2.74	
For Electrostatic Painting, Add	0.36	
For Epoxy Paint, Add	0.32	
09 91 13 00-0337 LF 1 Coat Paint, 6" To 8" Diameter, Paint Steel Pipes.....	3.43	
For Electrostatic Painting, Add	0.45	
For Epoxy Paint, Add	0.39	
09 91 13 00-0338 LF 1 Coat Paint, 10" To 12" Diameter, Paint Steel Pipes.....	4.33	
For Electrostatic Painting, Add	0.57	
For Epoxy Paint, Add	0.49	
09 91 13 00-0339 LF 2 Coats Paint, 1/2" To 1-1/2" Diameter, Paint Conduit Or Steel Pipe.....	4.46	
For Electrostatic Painting, Add	0.62	
For Epoxy Paint, Add	0.58	
09 91 13 00-0340 LF 2 Coats Paint, 2" To 3-1/2" Diameter, Paint Conduit Or Steel Pipe.....	4.87	
For Electrostatic Painting, Add	0.65	
For Epoxy Paint, Add	0.56	
09 91 13 00-0341 LF 2 Coats Paint, 4" Diameter, Paint Steel Pipes.....	5.27	
For Electrostatic Painting, Add	0.71	
For Epoxy Paint, Add	0.62	
09 91 13 00-0342 LF 2 Coats Paint, 6" To 8" Diameter, Paint Steel Pipes.....	6.64	
For Electrostatic Painting, Add	0.88	
For Epoxy Paint, Add	0.77	
09 91 13 00-0343 LF 2 Coats Paint, 10" To 12" Diameter, Paint Steel Pipes.....	8.19	
For Electrostatic Painting, Add	1.10	
For Epoxy Paint, Add	0.96	
09 91 13 00-0344 EA 1 Coat Paint, Paint Exposed Single Or Double Gang Outlet Box.....	10.33	
For Electrostatic Painting, Add	1.10	
For Epoxy Paint, Add	0.65	
<b>09 91 13 00-0345 Paint Metal Louvers</b> (09 91 13 00-0310)		
09 91 13 00-0346 SF 1 Coat Primer, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	2.25	
For Electrostatic Painting, Add	0.27	
09 91 13 00-0347 SF 1 Coat Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	2.28	
For Electrostatic Painting, Add	0.27	
09 91 13 00-0348 SF 2 Coats Alkyd Paint, Brush/Roller Work, Paint Ventilation Louver, SF Of Opening Area.....	4.69	
For Electrostatic Painting, Add	0.57	
<b>09 91 13 00-0349 Paint Ladders</b> (09 91 13 00-0310)		
09 91 13 00-0350 LF 1 Coat Alkyd Primer, Brush/Roller Work, Paint Ladders.....	6.20	
For Epoxy Paint, Add	0.38	
09 91 13 00-0351 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders.....	6.93	
For Epoxy Paint, Add	0.41	
09 91 13 00-0352 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Ladders.....	13.68	
For Epoxy Paint, Add	0.77	
<b>09 91 13 00-0353 Paint Handrails</b> (09 91 13 00-0310)		
09 91 13 00-0354 LF 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	2.46	
For Epoxy Paint, Add	0.19	
09 91 13 00-0355 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	2.73	
For Epoxy Paint, Add	0.20	
09 91 13 00-0356 LF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Hand Rail And Bracket.....	4.50	
For Epoxy Paint, Add	0.29	
09 91 13 00-0357 LF 1 Coat Alkyd Primer, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	4.48	
For Epoxy Paint, Add	0.54	
09 91 13 00-0358 LF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	4.89	
For Epoxy Paint, Add	0.56	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0359	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, 1 Rail, Paint Pipe Rail And Pickets.....	8.39	
			<i>For Epoxy Paint, Add</i>	0.90	
09 91 13 00-0360	LF		1 Coat Alkyd Primer, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	4.82	
			<i>For Epoxy Paint, Add</i>	0.56	
09 91 13 00-0361	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	5.27	
			<i>For Epoxy Paint, Add</i>	0.58	
09 91 13 00-0362	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, 2 Rails, Paint Pipe Rail And Pickets.....	8.91	
			<i>For Epoxy Paint, Add</i>	0.92	
09 91 13 00-0363	LF		1 Coat Alkyd Primer, Brush/Roller Work, Paint Balustrades.....	2.69	
			<i>For Epoxy Paint, Add</i>	0.29	
09 91 13 00-0364	LF		1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades.....	2.96	
			<i>For Epoxy Paint, Add</i>	0.31	
09 91 13 00-0365	LF		2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Balustrades.....	5.40	
			<i>For Epoxy Paint, Add</i>	0.59	
<b>09 91 13 00-0366</b>			<b>Paint Grating</b> (09 91 13 00-0310)		
09 91 13 00-0367	SF		1 Coat Primer, Brush/Roller Work, Paint Gratings And Frames.....	4.51	
			<i>For Epoxy Paint, Add</i>	0.29	
09 91 13 00-0368	SF		1 Coat Paint, Brush/Roller Work, Paint Gratings And Frames.....	4.58	
			<i>For Epoxy Paint, Add</i>	0.32	
09 91 13 00-0369	SF		2 Coats Paint, Brush/Roller Work, Paint Gratings And Frames.....	6.89	
			<i>For Epoxy Paint, Add</i>	0.52	
<b>09 91 13 00-0370</b>			<b>Paint Fire Escape Components</b> (09 91 13 00-0310)		
<b>09 91 13 00-0371</b>			<b>Paint Fire Escape Ladders</b> (09 91 13 00-0370) Note: Includes hand rails.		
<b>09 91 13 00-0372</b>			<b>Paint Fire Escape Ladders, Spray Work</b> (09 91 13 00-0371)		
09 91 13 00-0373	LF		Paint Fire Escape Ladders, 1 Coat Primer, Sprayed.....	4.21	
			<i>For Up To 100, Add</i>	3.03	
			<i>For &gt;100 To 250, Add</i>	1.42	
			<i>For &gt;250 To 500, Add</i>	0.61	
			<i>For Epoxy Paint, Add</i>	0.28	
			<i>For Electrostatic Painting, Add</i>	0.45	
			<i>For Epoxy Paint, Add</i>	0.28	
09 91 13 00-0374	LF		Paint Fire Escape Ladders, 1 Coat Paint, Sprayed.....	4.69	
			<i>For Up To 100, Add</i>	3.39	
			<i>For &gt;100 To 250, Add</i>	1.59	
			<i>For &gt;250 To 500, Add</i>	0.68	
			<i>For Epoxy Paint, Add</i>	0.30	
			<i>For Electrostatic Painting, Add</i>	0.50	
			<i>For Epoxy Paint, Add</i>	0.30	
09 91 13 00-0375	LF		Paint Fire Escape Ladders, 2 Coats Paint, Sprayed.....	9.22	
			<i>For Up To 100, Add</i>	6.74	
			<i>For &gt;100 To 250, Add</i>	3.15	
			<i>For &gt;250 To 500, Add</i>	1.35	
			<i>For Epoxy Paint, Add</i>	0.55	
			<i>For Electrostatic Painting, Add</i>	0.97	
			<i>For Epoxy Paint, Add</i>	0.55	
<b>09 91 13 00-0376</b>			<b>Paint Fire Escape Ladders, Brush Work</b> (09 91 13 00-0371)		
09 91 13 00-0377	LF		Paint Fire Escape Ladders, 1 Coat Primer, Brush/Roller Work.....	6.20	
			<i>For Up To 100, Add</i>	4.52	
			<i>For &gt;100 To 250, Add</i>	2.12	
			<i>For &gt;250 To 500, Add</i>	0.91	
			<i>For Epoxy Paint, Add</i>	0.38	
			<i>For Epoxy Paint, Add</i>	0.38	
09 91 13 00-0378	LF		Paint Fire Escape Ladders, 1 Coat Paint, Brush/Roller Work.....	6.93	
			<i>For Up To 100, Add</i>	5.07	
			<i>For &gt;100 To 250, Add</i>	2.37	
			<i>For &gt;250 To 500, Add</i>	1.02	
			<i>For Epoxy Paint, Add</i>	0.41	
			<i>For Epoxy Paint, Add</i>	0.41	
09 91 13 00-0379	LF		Paint Fire Escape Ladders, 2 Coats Paint, Brush/Roller Work.....	13.68	
			<i>For Up To 100, Add</i>	10.08	
			<i>For &gt;100 To 250, Add</i>	4.71	
			<i>For &gt;250 To 500, Add</i>	2.02	
			<i>For Epoxy Paint, Add</i>	0.77	
			<i>For Epoxy Paint, Add</i>	0.77	
<b>09 91 13 00-0380</b>			<b>Paint Fire Escape Landings</b> (09 91 13 00-0370) Note: Includes the top of the landing and support brackets. Double the SF for the bottom of the landing.		
<b>09 91 13 00-0381</b>			<b>Paint Fire Escape Landings, Spray Work</b> (09 91 13 00-0380)		
09 91 13 00-0382	SF		Paint Fire Escape Landings, 1 Coat Primer, Sprayed.....	3.08	
			<i>For Up To 100, Add</i>	2.17	
			<i>For &gt;100 To 250, Add</i>	1.02	
			<i>For &gt;250 To 500, Add</i>	0.44	
			<i>For Epoxy Paint, Add</i>	0.22	
			<i>For Electrostatic Painting, Add</i>	0.34	
			<i>For Epoxy Paint, Add</i>	0.22	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
	09 91	13 00-0383	SF	Paint Fire Escape Landings, 1 Coat Paint, Sprayed .....	3.15	
				For Up To 100, Add	2.18	
				For >100 To 250, Add	1.03	
				For >250 To 500, Add	0.44	
				For Epoxy Paint, Add	0.25	
				For Electrostatic Painting, Add	0.36	
				For Epoxy Paint, Add	0.25	
	09 91	13 00-0384	SF	Paint Fire Escape Landings, 2 Coats Paint, Sprayed .....	4.79	
				For Up To 100, Add	3.23	
				For >100 To 250, Add	1.53	
				For >250 To 500, Add	0.66	
				For Epoxy Paint, Add	0.42	
				For Electrostatic Painting, Add	0.57	
				For Epoxy Paint, Add	0.42	
	09 91	13 00-0385		<b>Paint Fire Escape Landings, Brush Work</b> (09 91 13 00-0380)		
	09 91	13 00-0386	SF	Paint Fire Escape Landings, 1 Coat Primer, Brush/Roller Work .....	4.51	
				For Up To 100, Add	3.24	
				For >100 To 250, Add	1.52	
				For >250 To 500, Add	0.65	
				For Epoxy Paint, Add	0.29	
				For Epoxy Paint, Add	0.29	
	09 91	13 00-0387	SF	Paint Fire Escape Landings, 1 Coat Paint, Brush/Roller Work .....	4.58	
				For Up To 100, Add	3.26	
				For >100 To 250, Add	1.53	
				For >250 To 500, Add	0.66	
				For Epoxy Paint, Add	0.32	
				For Epoxy Paint, Add	0.32	
	09 91	13 00-0388	SF	Paint Fire Escape Landings, 2 Coats Paint, Brush/Roller Work .....	6.89	
				For Up To 100, Add	4.81	
				For >100 To 250, Add	2.26	
				For >250 To 500, Add	0.97	
				For Epoxy Paint, Add	0.52	
				For Epoxy Paint, Add	0.52	
	09 91	13 00-0389		<b>Paint Fire Escape Stairs</b> (09 91 13 00-0370)		
	09 91	13 00-0390		<b>Paint Fire Escape Stairs, Spray Work</b> (09 91 13 00-0389)		
	09 91	13 00-0391	RSR	Paint Fire Escape Stairs, 1 Coat Primer, Sprayed .....	9.80	
				For Up To 100, Add	6.67	
				For >100 To 250, Add	3.15	
				For >250 To 500, Add	1.36	
				For Epoxy Paint, Add	0.83	
				For Electrostatic Painting, Add	1.15	
				For Epoxy Paint, Add	0.83	
	09 91	13 00-0392	RSR	Paint Fire Escape Stairs, 1 Coat Paint, Sprayed .....	9.80	
				For Up To 100, Add	6.67	
				For >100 To 250, Add	3.15	
				For >250 To 500, Add	1.36	
				For Epoxy Paint, Add	0.83	
				For Electrostatic Painting, Add	1.15	
				For Epoxy Paint, Add	0.83	
	09 91	13 00-0393	RSR	Paint Fire Escape Stairs, 2 Coats Paint, Sprayed.....	19.61	
				For Up To 100, Add	13.35	
				For >100 To 250, Add	6.30	
				For >250 To 500, Add	2.72	
				For Epoxy Paint, Add	1.66	
				For Electrostatic Painting, Add	2.30	
				For Epoxy Paint, Add	1.66	
	09 91	13 00-0394		<b>Paint Fire Escape Stairs, Brush Work</b> (09 91 13 00-0389)		
	09 91	13 00-0395	RSR	Paint Fire Escape Stairs, 1 Coat Primer, Brush/Roller Work .....	14.15	
				For Up To 100, Add	9.93	
				For >100 To 250, Add	4.67	
				For >250 To 500, Add	2.01	
				For Epoxy Paint, Add	1.05	
				For Epoxy Paint, Add	1.05	
	09 91	13 00-0396	RSR	Paint Fire Escape Stairs, 1 Coat Paint, Brush/Roller Work.....	14.15	
				For Up To 100, Add	9.93	
				For >100 To 250, Add	4.67	
				For >250 To 500, Add	2.01	
				For Epoxy Paint, Add	1.05	
				For Epoxy Paint, Add	1.05	
	09 91	13 00-0397	RSR	Paint Fire Escape Stairs, 2 Coats Paint, Brush/Roller Work.....	28.30	
				For Up To 100, Add	19.87	
				For >100 To 250, Add	9.34	
				For >250 To 500, Add	4.02	
				For Epoxy Paint, Add	2.09	
				For Epoxy Paint, Add	2.09	
	09 91	13 00-0398		<b>Paint Fire Escape Railings</b> (09 91 13 00-0370)		
				Note: Includes top and bottom rails and vertical bars.		
	09 91	13 00-0399		<b>Paint Fire Escape Railings, Spray Work</b> (09 91 13 00-0398)		

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0400	LF	Paint Fire Escape Railings, 1 Coat Primer, Sprayed.....	2.80	
		For Up To 100, Add	1.92	
		For >100 To 250, Add	0.91	
		For >250 To 500, Add	0.39	
		For Epoxy Paint, Add	0.23	
		For Electrostatic Painting, Add	0.33	
		For Epoxy Paint, Add	0.23	
09 91 13 00-0401	LF	Paint Fire Escape Railings, 1 Coat Paint, Sprayed.....	3.11	
		For Up To 100, Add	2.15	
		For >100 To 250, Add	1.01	
		For >250 To 500, Add	0.44	
		For Epoxy Paint, Add	0.25	
		For Electrostatic Painting, Add	0.36	
		For Epoxy Paint, Add	0.25	
09 91 13 00-0402	LF	Paint Fire Escape Railings, 2 Coats Paint, Sprayed.....	5.34	
		For Up To 100, Add	3.73	
		For >100 To 250, Add	1.75	
		For >250 To 500, Add	0.76	
		For Epoxy Paint, Add	0.41	
		For Electrostatic Painting, Add	0.60	
		For Epoxy Paint, Add	0.41	
<b>09 91 13 00-0403 Paint Fire Escape Railings, Brush Work (09 91 13 00-0398)</b>				
09 91 13 00-0404	LF	Paint Fire Escape Railings, 1 Coat Primer, Brush/Roller Work.....	4.06	
		For Up To 100, Add	2.87	
		For >100 To 250, Add	1.35	
		For >250 To 500, Add	0.58	
		For Epoxy Paint, Add	0.29	
		For Epoxy Paint, Add	0.29	
09 91 13 00-0405	LF	Paint Fire Escape Railings, 1 Coat Paint, Brush/Roller Work.....	4.51	
		For Up To 100, Add	3.20	
		For >100 To 250, Add	1.50	
		For >250 To 500, Add	0.65	
		For Epoxy Paint, Add	0.32	
		For Epoxy Paint, Add	0.32	
09 91 13 00-0406	LF	Paint Fire Escape Railings, 2 Coats Paint, Brush/Roller Work.....	7.78	
		For Up To 100, Add	5.56	
		For >100 To 250, Add	2.61	
		For >250 To 500, Add	1.12	
		For Epoxy Paint, Add	0.53	
		For Epoxy Paint, Add	0.53	
<b>09 91 13 00-0407 Other Site Work Painting (09 91 13)</b>				
<b>09 91 13 00-0408 Paint Fencing (09 91 13 00-0407)</b>				
Note: Per side of fence. Based on gross fence area (length of fence x height of fence).				
09 91 13 00-0409	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence.....	1.09	
		For Epoxy Paint, Add	0.13	
		For Up To 100, Add	0.66	
		For >100 To 250, Add	0.32	
		For >250 To 500, Add	0.14	
09 91 13 00-0410	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence.....	2.06	
		For Epoxy Paint, Add	0.26	
		For Up To 100, Add	1.23	
		For >100 To 250, Add	0.59	
		For >250 To 500, Add	0.26	
09 91 13 00-0411	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence.....	1.10	
		For Epoxy Paint, Add	0.15	
		For Electrostatic Painting, Add	0.16	
		For Up To 100, Add	0.63	
		For >100 To 250, Add	0.30	
		For >250 To 500, Add	0.13	
09 91 13 00-0412	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence.....	2.07	
		For Epoxy Paint, Add	0.30	
		For Electrostatic Painting, Add	0.31	
		For Up To 100, Add	1.16	
		For >100 To 250, Add	0.56	
		For >250 To 500, Add	0.24	
09 91 13 00-0413	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence.....	1.01	
		For Epoxy Paint, Add	0.15	
		For Up To 100, Add	0.56	
		For >100 To 250, Add	0.27	
		For >250 To 500, Add	0.12	
09 91 13 00-0414	SF	1 Coat Paint, Brush/Roller, Paint Wrought Iron Fence.....	0.94	
		For Epoxy Paint, Add	0.13	
		For Up To 100, Add	0.55	
		For >100 To 250, Add	0.26	
		For >250 To 500, Add	0.12	
09 91 13 00-0415	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence.....	0.70	
		For Epoxy Paint, Add	0.11	
		For Up To 100, Add	0.37	
		For >100 To 250, Add	0.18	
		For >250 To 500, Add	0.08	
09 91 13 00-0416	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence.....	1.31	
		For Epoxy Paint, Add	0.13	
		For Up To 100, Add	0.86	
		For >100 To 250, Add	0.41	
		For >250 To 500, Add	0.18	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

09 91 13 00-0417	SF	1 Coat Paint, Brush/Roller, Paint Picket Fence .....	1.31
		<i>For Epoxy Paint, Add</i>	0.13
		<i>For Up To 100, Add</i>	0.86
		<i>For &gt;100 To 250, Add</i>	0.41
		<i>For &gt;250 To 500, Add</i>	0.18
09 91 13 00-0418	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence .....	0.95
		<i>For Epoxy Paint, Add</i>	0.11
		<i>For Up To 100, Add</i>	0.59
		<i>For &gt;100 To 250, Add</i>	0.28
		<i>For &gt;250 To 500, Add</i>	0.12
09 91 13 00-0419	SF	1 Coat Paint, Brush/Roller, Paint Wood Fences .....	1.03
		<i>For Up To 100, Add</i>	0.56
		<i>For &gt;100 To 250, Add</i>	0.27
		<i>For &gt;250 To 500, Add</i>	0.12
09 91 13 00-0420	SF	2 Coats Paint, Brush/Roller, Paint Wood Fences .....	1.90
		<i>For Up To 100, Add</i>	1.00
		<i>For &gt;100 To 250, Add</i>	0.49
		<i>For &gt;250 To 500, Add</i>	0.21
09 91 13 00-0421	SF	1 Coat Paint, Sprayed, Paint Wood Fences .....	0.93
		<i>For Up To 100, Add</i>	0.49
		<i>For &gt;100 To 250, Add</i>	0.24
		<i>For &gt;250 To 500, Add</i>	0.10
09 91 13 00-0422	SF	2 Coats Paint, Sprayed, Paint Wood Fences .....	1.77
		<i>For Up To 100, Add</i>	0.90
		<i>For &gt;100 To 250, Add</i>	0.44
		<i>For &gt;250 To 500, Add</i>	0.19
09 91 13 00-0423	<b>Paint Shutters Or Blinds, Solid Panel</b> <small>(09 91 13 00-0407)</small>		
09 91 13 00-0424	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	4.96
09 91 13 00-0425	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	4.99
09 91 13 00-0426	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Solid Panel .....	8.88
09 91 13 00-0427	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	2.83
09 91 13 00-0428	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	2.85
09 91 13 00-0429	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Solid Panel .....	5.30
09 91 13 00-0430	<b>Paint Shutters Or Blinds, Louvered Panel</b> <small>(09 91 13 00-0407)</small>		
09 91 13 00-0431	SF	1 Coat Primer, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	6.12
09 91 13 00-0432	SF	1 Coat Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	6.15
09 91 13 00-0433	SF	2 Coats Paint, Brush Work, Paint Shutter Or Blinds, Louvered Panel .....	10.93
09 91 13 00-0434	SF	1 Coat Primer, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	3.41
09 91 13 00-0435	SF	1 Coat Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	3.43
09 91 13 00-0436	SF	2 Coats Paint, Sprayed, Paint Shutter Or Blinds, Louvered Panel .....	6.36
09 91 13 00-0437	<b>Paint Flagpoles</b> <small>(09 91 13 00-0407)</small>		
09 91 13 00-0438	EA	1 Coat Paint, 20' High, Paint Steel Flagpole .....	320.93
09 91 13 00-0439	EA	1 Coat Paint, 30' High, Paint Steel Flagpole .....	432.50
09 91 13 00-0440	EA	1 Coat Paint, 40' High, Paint Steel Flagpole .....	544.12
09 91 13 00-0441	EA	1 Coat Paint, 50' High, Paint Steel Flagpole .....	655.76
09 91 13 00-0442	EA	1 Coat Paint, 70' High, Paint Steel Flagpole .....	849.28
09 91 13 00-0443	EA	1 Coat Paint, 80' High, Paint Steel Flagpole .....	957.19
09 91 13 00-0444	EA	1 Coat Paint, 90' High, Paint Steel Flagpole .....	1,065.11
09 91 13 00-0445	<b>Paint Lattice Or Trellis</b> <small>(09 91 13 00-0407)</small>		
09 91 13 00-0446	SF	1 Coat Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis .....	2.20
		<i>For Up To 100, Add</i>	1.44
		<i>For &gt;100 To 250, Add</i>	0.68
		<i>For &gt;250 To 500, Add</i>	0.30
09 91 13 00-0447	SF	2 Coats Paint, Sprayed, Per Side, Paint Wood Lattice Or Trellis .....	4.12
		<i>For Up To 100, Add</i>	2.66
		<i>For &gt;100 To 250, Add</i>	1.26
		<i>For &gt;250 To 500, Add</i>	0.55
09 91 13 00-0448	<b>Paint Exterior Stairs</b> <small>(09 91 13)</small>		
09 91 13 00-0449	<b>Paint Exterior Concrete Stairs</b> <small>(09 91 13 00-0448)</small>		
09 91 13 00-0450	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	27.25
09 91 13 00-0451	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	27.25
09 91 13 00-0452	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	33.16
09 91 13 00-0453	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	50.97
09 91 13 00-0454	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Concrete Stair (To 4' Wide) .....	54.50
09 91 13 00-0455	<b>Paint Exterior Metal Stairs</b> <small>(09 91 13 00-0448)</small>		
09 91 13 00-0456	RSR	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) .....	14.15
		<i>For Oil Based Paint, Add</i>	0.76
09 91 13 00-0457	RSR	1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) .....	14.15
		<i>For Oil Based Paint, Add</i>	0.76
09 91 13 00-0458	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Metal Stair (To 4' Wide) .....	28.30
		<i>For Oil Based Paint, Add</i>	1.53

## 09 Finishes

## 09 90 Painting and Coating

## 09 91 Painting

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 91 13 00-0459	Paint Exterior Wood Stairs (09 91 13 00-0448)		
09 91 13 00-0460	RSR 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	14.23	
09 91 13 00-0461	RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	14.23	
09 91 13 00-0462	RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	20.14	
09 91 13 00-0463	RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	37.95	
09 91 13 00-0464	RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Wood Stair (To 4' Wide)	28.45	
09 91 13 00-0465	Paint Exterior Stair Nosing (09 91 13 00-0448)		
09 91 13 00-0466	LF 1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Exterior Yellow Stair Safety Strip	2.13	
09 91 13 00-0467	Paint Exterior Trim (09 91 13)		
09 91 13 00-0468	Paint Exterior Metal Trim And Gutters (09 91 13 00-0467)		
09 91 13 00-0469	SF 1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	1.82	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.61	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.84	
	Note: Applied only to work area above 40'.		
09 91 13 00-0470	SF 1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.99	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.42	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.68	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.93	
	Note: Applied only to work area above 40'.		
09 91 13 00-0471	SF 2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	3.60	
	For Work >15' To 20' Above Floor, Add	0.45	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.75	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.20	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.66	
	Note: Applied only to work area above 40'.		
09 91 13 00-0472	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.66	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.54	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.75	
	Note: Applied only to work area above 40'.		
09 91 13 00-0473	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	1.81	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.83	
	Note: Applied only to work area above 40'.		
09 91 13 00-0474	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Exposed Metal Trim	3.23	
	For Work >15' To 20' Above Floor, Add	0.40	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.66	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.06	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.45	
	Note: Applied only to work area above 40'.		
09 91 13 00-0475	LF 1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	2.88	
	For Work >15' To 20' Above Floor, Add	0.37	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.62	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.99	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.36	
	Note: Applied only to work area above 40'.		
09 91 13 00-0476	LF 2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	3.70	
	For Work >15' To 20' Above Floor, Add	0.54	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.91	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.45	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	2.00	
	Note: Applied only to work area above 40'.		

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 13 00-0477	Paint Exterior Wood Trim <small>(09 91 13 00-0467)</small>	2.27	
09 91 13 00-0478	SF 1 Coat Primer, Brush Work, Paint Exterior Wood Trim	0.15	
	For Oil Based Paint, Add	0.24	
	For Work >15' To 20' Above Floor, Add		
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.65	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.90	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.32	
	For >100 To 250, Add	0.63	
	For >250 To 500, Add	0.28	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.34	
	For >20,000, Deduct	-0.45	
09 91 13 00-0479	SF 1 Coat Paint, Brush Work, Paint Exterior Wood Trim	2.47	
	For Oil Based Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.26	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.44	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.70	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.97	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.43	
	For >100 To 250, Add	0.69	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.49	
09 91 13 00-0480	SF 2 Coats Paint, Brush Work, Paint Exterior Wood Trim	4.54	
	For Oil Based Paint, Add	0.30	
	For Work >15' To 20' Above Floor, Add	0.47	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.78	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.25	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.55	
	For >100 To 250, Add	1.23	
	For >250 To 500, Add	0.54	
	For >2,500 To 5,000, Deduct	-0.23	
	For >5,000 To 10,000, Deduct	-0.45	
	For >10,000 To 20,000, Deduct	-0.68	
	For >20,000, Deduct	-0.91	
09 91 13 00-0481	SF 1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Trim	1.86	
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.67	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.01	
	For >100 To 250, Add	0.49	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.28	
	For >20,000, Deduct	-0.37	
09 91 13 00-0482	SF 1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Trim	2.06	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.54	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.74	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.12	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.41	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 13 00-0483	SF 2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Trim .....	3.88	
	For Oil Based Paint, Add	0.27	
	For Work >15' To 20' Above Floor, Add	0.37	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.62	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.98	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.35	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.06	
	For >100 To 250, Add	1.00	
	For >250 To 500, Add	0.44	
	For >2,500 To 5,000, Deduct	-0.19	
	For >5,000 To 10,000, Deduct	-0.39	
	For >10,000 To 20,000, Deduct	-0.58	
	For >20,000, Deduct	-0.78	
09 91 13 00-0484	SF 1 Coat Primer, Sprayed, Paint Exterior Wood Trim .....	1.75	
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.39	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.53	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.42	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	
09 91 13 00-0485	SF 1 Coat Paint, Sprayed, Paint Exterior Wood Trim .....	1.94	
	For Oil Based Paint, Add	0.14	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.99	
	For >100 To 250, Add	0.48	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	
09 91 13 00-0486	SF 2 Coats Paint, Sprayed, Paint Exterior Wood Trim .....	3.69	
	For Oil Based Paint, Add	0.26	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.53	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.85	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.83	
	For >100 To 250, Add	0.90	
	For >250 To 500, Add	0.40	
	For >2,500 To 5,000, Deduct	-0.18	
	For >5,000 To 10,000, Deduct	-0.37	
	For >10,000 To 20,000, Deduct	-0.55	
	For >20,000, Deduct	-0.74	
09 91 13 00-0487	Paint Exterior Miscellaneous Metal Surfaces (09 91 13)		
09 91 13 00-0488	SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	2.17	
	For Epoxy Paint, Add	0.25	
	For Electrostatic Painting, Add	0.29	
09 91 13 00-0489	SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	2.01	
	For Epoxy Paint, Add	0.19	
	For Electrostatic Painting, Add	0.25	
09 91 13 00-0490	SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exterior Miscellaneous Metal Surfaces .....	4.09	
	For Epoxy Paint, Add	0.40	
	For Electrostatic Painting, Add	0.51	
09 91 23	<b>Interior Painting (09 91)</b>		
	Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss. See CSI section 09 91 13 00-0310 for additional interior materials.		
09 91 23 00-0001	Paint Interior Walls (09 91 23)		
09 91 23 00-0002	Paint Interior Brick Walls (09 91 23 00-0001)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0003	SF			1 Coat Filler, Brush Work, Paint Interior Brick Walls ..... 1.35		
				For Oil Based Paint, Add	0.08	
				For Work >15' To 20' Above Floor, Add	0.16	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.27	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.43	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.59	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.84	
				For >100 To 250, Add	0.40	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.27	
09 91 23 00-0004	SF			1 Coat Paint, Brush Work, Paint Interior Brick Walls ..... 1.56		
				For Oil Based Paint, Add	0.09	
				For Work >15' To 20' Above Floor, Add	0.18	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.31	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.49	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.68	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.97	
				For >100 To 250, Add	0.46	
				For >250 To 500, Add	0.20	
				For >2,500 To 5,000, Deduct	-0.08	
				For >5,000 To 10,000, Deduct	-0.16	
				For >10,000 To 20,000, Deduct	-0.23	
				For >20,000, Deduct	-0.31	
09 91 23 00-0005	SF			2 Coat Paint, Brush Work, Paint Interior Brick Walls ..... 2.80		
				For Oil Based Paint, Add	0.17	
				For Work >15' To 20' Above Floor, Add	0.32	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.54	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.86	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	1.18	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.70	
				For >100 To 250, Add	0.82	
				For >250 To 500, Add	0.35	
				For >2,500 To 5,000, Deduct	-0.14	
				For >5,000 To 10,000, Deduct	-0.28	
				For >10,000 To 20,000, Deduct	-0.42	
				For >20,000, Deduct	-0.56	
09 91 23 00-0006	SF			1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls ..... 1.10		
				For Oil Based Paint, Add	0.07	
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.21	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.33	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.45	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.66	
				For >100 To 250, Add	0.32	
				For >250 To 500, Add	0.14	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.11	
				For >10,000 To 20,000, Deduct	-0.17	
				For >20,000, Deduct	-0.22	
09 91 23 00-0007	SF			1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls ..... 1.39		
				For Oil Based Paint, Add	0.09	
				For Work >15' To 20' Above Floor, Add	0.15	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.24	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.39	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.53	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.79	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.17	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 20,000, Deduct	-0.21	
				For >20,000, Deduct	-0.28	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0008	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls .....	2.39	
	For Oil Based Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.25	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.41	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.66	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.90	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.34	
	For >100 To 250, Add	0.65	
	For >250 To 500, Add	0.28	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.36	
	For >20,000, Deduct	-0.48	
09 91 23 00-0009	SF 1 Coat Filler, Sprayed, Paint Interior Brick Walls .....	1.10	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.63	
	For >100 To 250, Add	0.30	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 23 00-0010	SF 1 Coat Paint, Sprayed, Paint Interior Brick Walls .....	1.23	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.25	
09 91 23 00-0011	SF 2 Coats Paint, Sprayed, Paint Interior Brick Walls .....	2.11	
	For Oil Based Paint, Add	0.15	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.52	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.72	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.10	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.32	
	For >20,000, Deduct	-0.42	
09 91 23 00-0012	SF 1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls .....	1.40	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.85	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0013	SF	1	Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls.....	1.15	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.33	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.66	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0014	SF	1	Coat Bonding Agent, Sprayed, Paint Interior Brick Walls .....	1.16	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
<b>09 91 23 00-0015</b>			<b>Paint Interior Concrete Walls (09 91 23 00-0001)</b> .....	<b>1.14</b>	
09 91 23 00-0016	SF	1	Coat Filler, Brush Work, Paint Interior Concrete Walls .....	1.14	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0017	SF	1	Coat Paint, Brush Work, Paint Interior Concrete Walls .....	1.24	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.42	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.58	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.82	
			For >100 To 250, Add	0.39	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0018	SF	2	Coats Paint, Brush Work, Paint Interior Concrete Walls .....	2.20	
			For Oil Based Paint, Add	0.12	
			For Epoxy Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.07	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.33	
			For >20,000, Deduct	-0.44	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0019	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls .....	0.93	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.56	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	
09 91 23 00-0020	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.04	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.21	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.34	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.47	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.67	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0021	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls.....	1.92	
	For Oil Based Paint, Add	0.12	
	For Epoxy Paint, Add	0.21	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.39	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.62	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.85	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.21	
	For >100 To 250, Add	0.58	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.38	
09 91 23 00-0022	SF 1 Coat Filler, Sprayed, Paint Interior Concrete Walls.....	0.89	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.50	
	For >100 To 250, Add	0.24	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.04	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.13	
	For >20,000, Deduct	-0.18	
09 91 23 00-0023	SF 1 Coat Paint, Sprayed, Paint Interior Concrete Walls .....	1.00	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.31	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0024	SF 2 Coats Paint, Sprayed, Paint Interior Concrete Walls .....	1.63	
	For Oil Based Paint, Add	0.11	
	For Epoxy Paint, Add	0.22	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.29	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.46	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.64	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.94	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.33	

09 91 23 00-0025	SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls.....	1.19	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.50	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.35	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.18	
	For >20,000, Deduct	-0.24	

09 91 23 00-0026	SF 1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls .....	0.98	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.18	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.28	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.39	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.57	
	For >100 To 250, Add	0.27	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	

09 91 23 00-0027	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls.....	0.94	
	For Work >15' To 20' Above Floor, Add	0.09	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.15	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.24	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.51	
	For >100 To 250, Add	0.25	
	For >250 To 500, Add	0.11	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.09	
	For >10,000 To 20,000, Deduct	-0.14	
	For >20,000, Deduct	-0.19	

09 91 23 00-0028 Paint Interior Concrete Block Walls (09 91 23 00-0001)

09 91 23 00-0029 Paint Interior Concrete Block Walls, Epoxy Paint (09 91 23 00-0028)

09 91 23 00-0030	SF 1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls.....	1.61	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.30	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.48	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.65	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.96	
	For >100 To 250, Add	0.46	
	For >250 To 500, Add	0.20	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0031	SF 1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.84 0.21 0.36 0.57 0.78 1.13 0.54 0.23 -0.09 -0.18 -0.28 -0.37	
09 91 23 00-0032	SF 2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	3.30 0.37 0.62 0.98 1.35 1.97 0.95 0.41 -0.17 -0.33 -0.50 -0.66	
09 91 23 00-0033	SF 1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.33 0.14 0.23 0.36 0.50 0.75 0.36 0.16 -0.07 -0.13 -0.20 -0.27	
09 91 23 00-0034	SF 1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.47 0.16 0.26 0.42 0.58 0.85 0.41 0.18 -0.07 -0.15 -0.22 -0.29	
09 91 23 00-0035	SF 2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i> <i>For Up To 100, Add</i> <i>For &gt;100 To 250, Add</i> <i>For &gt;250 To 500, Add</i> <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.75 0.29 0.48 0.76 1.05 1.56 0.75 0.33 -0.14 -0.28 -0.41 -0.55	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0036	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls.....	1.21	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.17	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.28	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.38	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.60	
		<i>For &gt;100 To 250, Add</i>	0.29	
		<i>For &gt;250 To 500, Add</i>	0.13	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
		<i>For &gt;20,000, Deduct</i>	-0.24	

09 91 23 00-0037	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.48	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.14	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.38	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.53	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.80	
		<i>For &gt;100 To 250, Add</i>	0.39	
		<i>For &gt;250 To 500, Add</i>	0.17	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
		<i>For &gt;20,000, Deduct</i>	-0.30	

09 91 23 00-0038	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls.....	2.69	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.24	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.40	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.64	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.89	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.37	
		<i>For &gt;100 To 250, Add</i>	0.67	
		<i>For &gt;250 To 500, Add</i>	0.30	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.27	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.40	
		<i>For &gt;20,000, Deduct</i>	-0.54	

**09 91 23 00-0039 Paint Interior Concrete Block Walls, Acrylic Latex Paint (09 91 23 00-0028)**

09 91 23 00-0040	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls .....	1.47	
		<i>For Oil Based Paint, Add</i>	0.09	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.30	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.48	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.65	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	0.93	
		<i>For &gt;100 To 250, Add</i>	0.44	
		<i>For &gt;250 To 500, Add</i>	0.19	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
		<i>For &gt;20,000, Deduct</i>	-0.29	

09 91 23 00-0041	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls .....	1.75	
		<i>For Oil Based Paint, Add</i>	0.11	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
		<i>Note: Applied only to work area above 15' to 20'.</i>		
		<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.34	
		<i>Note: Applied only to work area above 20' to 30'.</i>		
		<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.55	
		<i>Note: Applied only to work area above 30' to 40'.</i>		
		<i>For Work &gt;40' Above Floor, Add</i>	0.75	
		<i>Note: Applied only to work area above 40'.</i>		
		<i>For Up To 100, Add</i>	1.08	
		<i>For &gt;100 To 250, Add</i>	0.52	
		<i>For &gt;250 To 500, Add</i>	0.22	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
		<i>For &gt;20,000, Deduct</i>	-0.35	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0042	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls ..... 3.18		
	For Oil Based Paint, Add	0.20	
	For Work >15' To 20' Above Floor, Add	0.36	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.61	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.97	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.34	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.94	
	For >100 To 250, Add	0.93	
	For >250 To 500, Add	0.40	
	For >2,500 To 5,000, Deduct	-0.16	
	For >5,000 To 10,000, Deduct	-0.32	
	For >10,000 To 20,000, Deduct	-0.48	
	For >20,000, Deduct	-0.64	
09 91 23 00-0043	SF 1 Coat Texture Paint, Brush Work, Paint Interior Concrete Block Walls ..... 1.94		
	For Oil Based Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.61	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.84	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.20	
	For >100 To 250, Add	0.57	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.19	
	For >10,000 To 20,000, Deduct	-0.29	
	For >20,000, Deduct	-0.39	
09 91 23 00-0044	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls ..... 1.25		
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.24	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.39	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.53	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.77	
	For >100 To 250, Add	0.37	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.25	
09 91 23 00-0045	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls ..... 1.49		
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.17	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.28	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.44	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.61	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.43	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.15	
	For >10,000 To 20,000, Deduct	-0.22	
	For >20,000, Deduct	-0.30	
09 91 23 00-0046	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Block Walls ..... 2.67		
	For Oil Based Paint, Add	0.17	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.48	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.77	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.06	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.55	
	For >100 To 250, Add	0.75	
	For >250 To 500, Add	0.33	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.27	
	For >10,000 To 20,000, Deduct	-0.40	
	For >20,000, Deduct	-0.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0047	SF	1	Coat Texture Paint, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.67	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.19	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.50	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.69	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.00	
			For >100 To 250, Add	0.48	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	
09 91 23 00-0048	SF	1	Coat Filler, Sprayed, Paint Interior Concrete Block Walls.....	1.25	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0049	SF	1	Coat Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.43	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.79	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.29	
09 91 23 00-0050	SF	2	Coats Paint, Sprayed, Paint Interior Concrete Block Walls.....	2.34	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.22	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.36	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.58	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.80	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.22	
			For >100 To 250, Add	0.60	
			For >250 To 500, Add	0.26	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.47	
09 91 23 00-0051	SF	1	Coat Texture Paint, Sprayed, Paint Interior Concrete Block Walls.....	1.66	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.28	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.44	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.61	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.91	
			For >100 To 250, Add	0.44	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.33	

09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent (09 91 23 00-0028)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0053	SF	1	Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls.....	1.52	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.65	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.94	
			<i>For &gt;100 To 250, Add</i>	0.45	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 23 00-0054	SF	1	Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls.....	1.30	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.78	
			<i>For &gt;100 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.26	
09 91 23 00-0055	SF	1	Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls.....	1.31	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.35	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.48	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.72	
			<i>For &gt;100 To 250, Add</i>	0.35	
			<i>For &gt;250 To 500, Add</i>	0.15	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.26	
09 91 23 00-0056			Paint Interior Plaster/Drywall Walls (09 91 23 00-0001)		
09 91 23 00-0057			Paint Interior Plaster/Drywall Walls (09 91 23 00-0056)		
09 91 23 00-0058	SF	1	Coat Primer, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.20	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Orange Peel Finish, Add</i>	0.17	
			<i>For Epoxy Paint, Add</i>	0.13	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.24	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.39	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.76	
			<i>For &gt;100 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
			<i>For &gt;20,000, Deduct</i>	-0.24	
09 91 23 00-0059	SF	1	Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	1.26	
			<i>For Oil Based Paint, Add</i>	0.07	
			<i>For Orange Peel Finish, Add</i>	0.18	
			<i>For Epoxy Paint, Add</i>	0.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.83	
			<i>For &gt;100 To 250, Add</i>	0.39	
			<i>For &gt;250 To 500, Add</i>	0.17	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0060	SF		2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	2.30	
			For Oil Based Paint, Add	0.13	
			For Orange Peel Finish, Add	0.32	
			For Epoxy Paint, Add	0.23	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.48	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.77	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.06	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.50	
			For >100 To 250, Add	0.71	
			For >250 To 500, Add	0.31	
			For >2,500 To 5,000, Deduct	-0.12	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.35	
			For >20,000, Deduct	-0.46	
09 91 23 00-0061	SF		3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls.....	3.28	
			For Oil Based Paint, Add	0.19	
			For Orange Peel Finish, Add	0.46	
			For Epoxy Paint, Add	0.33	
			For Work >15' To 20' Above Floor, Add	0.41	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.68	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.12	
			For >100 To 250, Add	1.01	
			For >250 To 500, Add	0.44	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.33	
			For >10,000 To 20,000, Deduct	-0.49	
			For >20,000, Deduct	-0.66	
09 91 23 00-0062	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	0.95	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.13	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.11	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.18	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.29	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.40	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.57	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0063	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls.....	1.07	
			For Oil Based Paint, Add	0.06	
			For Orange Peel Finish, Add	0.15	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.32	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0064	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls .....	1.92	
			For Oil Based Paint, Add	0.12	
			For Orange Peel Finish, Add	0.26	
			For Epoxy Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.23	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.38	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.60	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.83	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.19	
			For >100 To 250, Add	0.57	
			For >250 To 500, Add	0.25	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.19	
			For >10,000 To 20,000, Deduct	-0.29	
			For >20,000, Deduct	-0.38	
09 91 23 00-0065	SF		1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls.....	0.92	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.10	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.16	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.35	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0066	SF		1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls.....	1.00	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.19	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.42	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0067	SF		2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls .....	1.63	
			For Oil Based Paint, Add	0.11	
			For Epoxy Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.17	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.29	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.46	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.64	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.94	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.33	

09 91 23 00-0068 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint (09 91 23 00-0056)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0069	SF			2 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls .....2.77		
				For Work >15' To 20' Above Floor, Add	0.20	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.34	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.54	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.75	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.23	
				For >100 To 250, Add	0.62	
				For >250 To 500, Add	0.27	
				For >2,500 To 5,000, Deduct	-0.14	
				For >5,000 To 10,000, Deduct	-0.28	
				For >10,000 To 20,000, Deduct	-0.42	
				For >20,000, Deduct	-0.55	
09 91 23 00-0070	SF			3 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls .....3.00		
				For Work >15' To 20' Above Floor, Add	0.20	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.34	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.54	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.75	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.27	
				For >100 To 250, Add	0.64	
				For >250 To 500, Add	0.29	
				For >2,500 To 5,000, Deduct	-0.15	
				For >5,000 To 10,000, Deduct	-0.30	
				For >10,000 To 20,000, Deduct	-0.45	
				For >20,000, Deduct	-0.60	
09 91 23 00-0071	SF			4 Tone Polymix With Base Coat, Sprayed, Paint Interior Plaster/Drywall Or Masonry Walls .....3.24		
				For Work >15' To 20' Above Floor, Add	0.20	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.34	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.54	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.75	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	1.30	
				For >100 To 250, Add	0.66	
				For >250 To 500, Add	0.30	
				For >2,500 To 5,000, Deduct	-0.16	
				For >5,000 To 10,000, Deduct	-0.32	
				For >10,000 To 20,000, Deduct	-0.49	
				For >20,000, Deduct	-0.65	
09 91 23 00-0072				<b>Paint Interior Plaster/Drywall Walls, Acoustic Texture (09 91 23 00-0056)</b> .....1.15		
09 91 23 00-0073	SF			1 Coat Primer, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....1.15		
				For Work >15' To 20' Above Floor, Add	0.12	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.19	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.31	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.42	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.63	
				For >100 To 250, Add	0.31	
				For >250 To 500, Add	0.13	
				For >2,500 To 5,000, Deduct	-0.06	
				For >5,000 To 10,000, Deduct	-0.12	
				For >10,000 To 20,000, Deduct	-0.17	
				For >20,000, Deduct	-0.23	
09 91 23 00-0074	SF			1 Coat Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls.....1.35		
				For Work >15' To 20' Above Floor, Add	0.15	
				Note: Applied only to work area above 15' to 20'.		
				For Work >20' To 30' Above Floor, Add	0.24	
				Note: Applied only to work area above 20' to 30'.		
				For Work >30' To 40' Above Floor, Add	0.39	
				Note: Applied only to work area above 30' to 40'.		
				For Work >40' Above Floor, Add	0.53	
				Note: Applied only to work area above 40'.		
				For Up To 100, Add	0.78	
				For >100 To 250, Add	0.38	
				For >250 To 500, Add	0.16	
				For >2,500 To 5,000, Deduct	-0.07	
				For >5,000 To 10,000, Deduct	-0.14	
				For >10,000 To 20,000, Deduct	-0.20	
				For >20,000, Deduct	-0.27	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0075	SF		2 Coats Finish, Sprayed, Acoustic Texture, Paint Interior Plaster/Drywall Walls .....	2.11	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.20	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.54	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.75	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.13	
			<i>For &gt;100 To 250, Add</i>	0.55	
			<i>For &gt;250 To 500, Add</i>	0.24	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.32	
			<i>For &gt;20,000, Deduct</i>	-0.42	
09 91 23 00-0076	SF		Stipple Finish (Drippowder), Paint Interior Plaster/Drywall Walls .....	2.41	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.90	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.24	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.72	
			<i>For &gt;100 To 250, Add</i>	0.81	
			<i>For &gt;250 To 500, Add</i>	0.35	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.24	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.36	
			<i>For &gt;20,000, Deduct</i>	-0.48	
09 91 23 00-0077			Paint Interior Metal Walls <small>(09 91 23 00-0001)</small>		
09 91 23 00-0078			Paint Interior Galvanized Walls <small>(09 91 23 00-0077)</small>		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0079	SF		1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces .....	1.53	
			<i>For Electrostatic Painting, Add</i>	0.22	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.87	
			<i>For &gt;100 To 250, Add</i>	0.42	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000, Deduct</i>	-0.31	
09 91 23 00-0080	SF		1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces .....	1.68	
			<i>For Electrostatic Painting, Add</i>	0.24	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.49	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.67	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.98	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
			<i>For &gt;20,000, Deduct</i>	-0.34	
09 91 23 00-0081	SF		2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces .....	3.05	
			<i>For Electrostatic Painting, Add</i>	0.44	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.85	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.17	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.74	
			<i>For &gt;100 To 250, Add</i>	0.84	
			<i>For &gt;250 To 500, Add</i>	0.37	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.15	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.31	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.46	
			<i>For &gt;20,000, Deduct</i>	-0.61	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0082 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls.....	1.14	
For Electrostatic Painting, Add	0.17	
For Work >15' To 20' Above Floor, Add	0.11	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.19	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.30	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.42	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0083 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall.....	1.32	
For Electrostatic Painting, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0084 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls.....	2.47	
For Electrostatic Painting, Add	0.37	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.38	
For >100 To 250, Add	0.67	
For >250 To 500, Add	0.29	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.25	
For >10,000 To 20,000, Deduct	-0.37	
For >20,000, Deduct	-0.49	
09 91 23 00-0085 SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Walls.....	1.07	
For Electrostatic Painting, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.08	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.14	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.22	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.30	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.48	
For >100 To 250, Add	0.24	
For >250 To 500, Add	0.11	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0086 SF 1 Coat Paint, Sprayed, Paint Interior Galvanized Walls.....	1.40	
For Electrostatic Painting, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0087	SF		2 Coats Paint, Sprayed, Paint Interior Galvanized Walls .....	2.34	
			<i>For Electrostatic Painting, Add</i>	0.39	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.51	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.70	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.12	
			<i>For &gt;100 To 250, Add</i>	0.55	
			<i>For &gt;250 To 500, Add</i>	0.25	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.35	
			<i>For &gt;20,000, Deduct</i>	-0.47	
09 91 23 00-0088			<b>Paint Interior Aluminum And Aluminum Alloy Walls</b> <small>(09 91 23 00-0077)</small>		
			<i>Note: Alkyd enamel paint.</i>		
09 91 23 00-0089	SF		1 Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....	1.53	
			<i>For Electrostatic Painting, Add</i>	0.22	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.87	
			<i>For &gt;100 To 250, Add</i>	0.42	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000, Deduct</i>	-0.31	
09 91 23 00-0090	SF		1 Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces .....	1.68	
			<i>For Electrostatic Painting, Add</i>	0.24	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.49	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.67	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.98	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
			<i>For &gt;20,000, Deduct</i>	-0.34	
09 91 23 00-0091	SF		2 Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Wall Surfaces.....	3.04	
			<i>For Electrostatic Painting, Add</i>	0.44	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.53	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.85	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.17	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.73	
			<i>For &gt;100 To 250, Add</i>	0.84	
			<i>For &gt;250 To 500, Add</i>	0.37	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.15	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.30	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.46	
			<i>For &gt;20,000, Deduct</i>	-0.61	
09 91 23 00-0092	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls.....	1.29	
			<i>For Electrostatic Painting, Add</i>	0.21	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.65	
			<i>For &gt;100 To 250, Add</i>	0.32	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.19	
			<i>For &gt;20,000, Deduct</i>	-0.26	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0093 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls .....	1.45	
For Electrostatic Painting, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.77	
For >100 To 250, Add	0.38	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0094 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Walls .....	2.74	
For Electrostatic Painting, Add	0.43	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.42	
For >100 To 250, Add	0.69	
For >250 To 500, Add	0.31	
For >2,500 To 5,000, Deduct	-0.14	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.41	
For >20,000, Deduct	-0.55	
09 91 23 00-0095 SF 1 Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls .....	1.18	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.10	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.16	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.26	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.36	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.57	
For >100 To 250, Add	0.28	
For >250 To 500, Add	0.12	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.12	
For >10,000 To 20,000, Deduct	-0.18	
For >20,000, Deduct	-0.24	
09 91 23 00-0096 SF 1 Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls .....	1.40	
For Electrostatic Painting, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	
09 91 23 00-0097 SF 2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Walls .....	2.34	
For Electrostatic Painting, Add	0.39	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.12	
For >100 To 250, Add	0.55	
For >250 To 500, Add	0.25	
For >2,500 To 5,000, Deduct	-0.12	
For >5,000 To 10,000, Deduct	-0.23	
For >10,000 To 20,000, Deduct	-0.35	
For >20,000, Deduct	-0.47	

09 91 23 00-0098 Paint Interior Corrugated Metal Walls (09 91 23 00-0077)



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0099	SF	1	Coat Primer, Sprayed, Paint Interior Corrugated Metal Walls	1.33	
			<i>For Electrostatic Painting, Add</i>	0.22	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.40	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 250, Add</i>	0.31	
			<i>For &gt;250 To 500, Add</i>	0.14	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.13	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.20	
			<i>For &gt;20,000, Deduct</i>	-0.27	
09 91 23 00-0100	SF	1	Coat Paint, Sprayed, Paint Interior Corrugated Metal Walls	1.76	
			<i>For Electrostatic Painting, Add</i>	0.27	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.63	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.95	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.26	
			<i>For &gt;20,000, Deduct</i>	-0.35	
09 91 23 00-0101	SF	2	Coats Paint, Sprayed, Paint Interior Corrugated Metal Walls	2.93	
			<i>For Electrostatic Painting, Add</i>	0.47	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.26	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.69	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.95	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.47	
			<i>For &gt;100 To 250, Add</i>	0.72	
			<i>For &gt;250 To 500, Add</i>	0.32	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.15	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.29	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.44	
			<i>For &gt;20,000, Deduct</i>	-0.59	
09 91 23 00-0102			<b>Paint Interior Stucco Walls</b> <small>(09 91 23 00-0001)</small>		
09 91 23 00-0103	SF	1	Coat Primer, Brush Work, Paint Interior Stucco Wall Surfaces	1.95	
			<i>For Oil Based Paint, Add</i>	0.11	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.25	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.42	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.67	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.92	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.29	
			<i>For &gt;100 To 250, Add</i>	0.61	
			<i>For &gt;250 To 500, Add</i>	0.26	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.20	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.29	
			<i>For &gt;20,000, Deduct</i>	-0.39	
09 91 23 00-0104	SF	1	Coat Paint, Brush Work, Paint Interior Stucco Wall Surfaces	2.15	
			<i>For Oil Based Paint, Add</i>	0.12	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.73	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.00	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.41	
			<i>For &gt;100 To 250, Add</i>	0.67	
			<i>For &gt;250 To 500, Add</i>	0.29	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.32	
			<i>For &gt;20,000, Deduct</i>	-0.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0105	SF		2 Coats Paint, Brush Work, Paint Interior Stucco Wall Surfaces .....	3.81	
			For Oil Based Paint, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.47	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.79	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.26	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.73	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	2.46	
			For >100 To 250, Add	1.17	
			For >250 To 500, Add	0.51	
			For >2,500 To 5,000, Deduct	-0.19	
			For >5,000 To 10,000, Deduct	-0.38	
			For >10,000 To 20,000, Deduct	-0.57	
			For >20,000, Deduct	-0.76	
09 91 23 00-0106	SF		1 Coat Primer, Brush/Roller Work, Paint Interior Stucco Wall Surfaces .....	1.49	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.30	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.48	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.30	
09 91 23 00-0107	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces .....	1.69	
			For Oil Based Paint, Add	0.10	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.54	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.75	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.07	
			For >100 To 250, Add	0.51	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 23 00-0108	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Stucco Wall Surfaces .....	3.10	
			For Oil Based Paint, Add	0.19	
			For Work >15' To 20' Above Floor, Add	0.37	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.61	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.98	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.34	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.93	
			For >100 To 250, Add	0.92	
			For >250 To 500, Add	0.40	
			For >2,500 To 5,000, Deduct	-0.16	
			For >5,000 To 10,000, Deduct	-0.31	
			For >10,000 To 20,000, Deduct	-0.47	
			For >20,000, Deduct	-0.62	
09 91 23 00-0109	SF		1 Coat Primer, Sprayed, Paint Interior Stucco Wall Surfaces .....	1.22	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.49	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0110	SF	1	Coat Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	1.50	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.87	
			<i>For &gt;100 To 250, Add</i>	0.42	
			<i>For &gt;250 To 500, Add</i>	0.18	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.23	
			<i>For &gt;20,000, Deduct</i>	-0.30	
09 91 23 00-0111	SF	2	Coats Paint, Sprayed, Paint Interior Stucco Wall Surfaces.....	2.91	
			<i>For Oil Based Paint, Add</i>	0.18	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.54	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.86	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.19	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.73	
			<i>For &gt;100 To 250, Add</i>	0.83	
			<i>For &gt;250 To 500, Add</i>	0.36	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.15	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.29	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.44	
			<i>For &gt;20,000, Deduct</i>	-0.58	
09 91 23 00-0112			<b>Paint Interior Wood Walls</b> (09 91 23 00-0001)		
09 91 23 00-0113			<b>Interior Wood Walls</b> (09 91 23 00-0112)		
09 91 23 00-0114	SF	1	Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	1.47	
			<i>For Oil Based Paint, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.68	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.96	
			<i>For &gt;100 To 250, Add</i>	0.46	
			<i>For &gt;250 To 500, Add</i>	0.20	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.15	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.22	
			<i>For &gt;20,000, Deduct</i>	-0.29	
09 91 23 00-0115	SF	2	Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	2.69	
			<i>For Oil Based Paint, Add</i>	0.16	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.33	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.56	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.89	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.22	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.74	
			<i>For &gt;100 To 250, Add</i>	0.82	
			<i>For &gt;250 To 500, Add</i>	0.36	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.27	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.40	
			<i>For &gt;20,000, Deduct</i>	-0.54	
09 91 23 00-0116	SF	3	Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces.....	3.82	
			<i>For Oil Based Paint, Add</i>	0.23	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.47	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.78	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	1.25	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.72	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	2.45	
			<i>For &gt;100 To 250, Add</i>	1.16	
			<i>For &gt;250 To 500, Add</i>	0.50	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.19	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.38	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.57	
			<i>For &gt;20,000, Deduct</i>	-0.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0117	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Wood Walls .....	1.04	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.32	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.45	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.64	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0118	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Wood Walls.....	1.19	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.24	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.38	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.53	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.75	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.12	
			For >10,000 To 20,000, Deduct	-0.18	
			For >20,000, Deduct	-0.24	
09 91 23 00-0119	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Wood Walls.....	2.12	
			For Oil Based Paint, Add	0.13	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.41	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.66	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.91	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.42	
09 91 23 00-0120	SF	1	Coat Primer, Sprayed, Paint Interior Wood Walls.....	0.86	
			For Oil Based Paint, Add	0.06	
			For Work >15' To 20' Above Floor, Add	0.09	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.15	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.23	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.32	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0121	SF	1	Coat Paint, Sprayed, Paint Interior Wood Walls .....	1.11	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.12	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.20	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.31	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.43	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.63	
			For >100 To 250, Add	0.31	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0122	SF 2 Coats Paint, Sprayed, Paint Interior Wood Walls.....	2.03	
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.34	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.55	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.75	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.13	
	For >100 To 250, Add	0.55	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.20	
	For >10,000 To 20,000, Deduct	-0.30	
	For >20,000, Deduct	-0.41	
09 91 23 00-0123	Paint Interior Ceilings (09 91 23)		
09 91 23 00-0124	Paint Interior Acoustical Ceilings (09 91 23 00-0123)		
	Note: Includes grid.		
09 91 23 00-0125	SF 1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling.....	1.30	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
09 91 23 00-0126	SF 1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling.....	1.41	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.67	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.94	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 23 00-0127	SF 2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling.....	2.52	
	For Oil Based Paint, Add	0.15	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.54	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.86	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.18	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.66	
	For >100 To 250, Add	0.79	
	For >250 To 500, Add	0.34	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.38	
	For >20,000, Deduct	-0.50	
09 91 23 00-0128	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.13	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.36	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.50	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.71	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0129 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	1.11	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.72	
For >100 To 250, Add	0.34	
For >250 To 500, Add	0.15	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0130 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling.....	2.05	
For Oil Based Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.31	
For >100 To 250, Add	0.62	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 23 00-0131 SF 1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling.....	1.13	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.21	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.34	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.47	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.68	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.23	
09 91 23 00-0132 SF 1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling.....	1.10	
For Oil Based Paint, Add	0.07	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0133 SF 2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling.....	1.77	
For Oil Based Paint, Add	0.11	
For Work >15' To 20' Above Floor, Add	0.20	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.33	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.52	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.72	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.05	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.27	
For >20,000, Deduct	-0.35	

09 91 23 00-0134 Paint Interior Concrete Ceilings (09 91 23 00-0123)



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0135	SF 1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling .....	1.29	
	For Oil Based Paint, Add	0.08	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.83	
	For >100 To 250, Add	0.39	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.19	
	For >20,000, Deduct	-0.26	
09 91 23 00-0136	SF 1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling.....	1.41	
	For Oil Based Paint, Add	0.08	
	For Epoxy Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.67	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.94	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 23 00-0137	SF 2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling.....	2.51	
	For Oil Based Paint, Add	0.14	
	For Epoxy Paint, Add	0.24	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.53	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.85	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.17	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.65	
	For >100 To 250, Add	0.78	
	For >250 To 500, Add	0.34	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.38	
	For >20,000, Deduct	-0.50	
09 91 23 00-0138	SF 1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling.....	0.99	
	For Oil Based Paint, Add	0.06	
	For Epoxy Paint, Add	0.12	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.60	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 91 23 00-0139	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling .....	1.11	
	For Oil Based Paint, Add	0.07	
	For Epoxy Paint, Add	0.11	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.72	
	For >100 To 250, Add	0.34	
	For >250 To 500, Add	0.15	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0140 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling.....	2.06	
For Oil Based Paint, Add	0.12	
For Epoxy Paint, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.25	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.42	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.67	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.92	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.32	
For >100 To 250, Add	0.63	
For >250 To 500, Add	0.27	
For >2,500 To 5,000, Deduct	-0.10	
For >5,000 To 10,000, Deduct	-0.21	
For >10,000 To 20,000, Deduct	-0.31	
For >20,000, Deduct	-0.41	
09 91 23 00-0141 SF 1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling .....	1.07	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.14	
For Work >15' To 20' Above Floor, Add	0.12	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.20	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.32	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.43	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.63	
For >100 To 250, Add	0.30	
For >250 To 500, Add	0.13	
For >2,500 To 5,000, Deduct	-0.05	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.16	
For >20,000, Deduct	-0.21	
09 91 23 00-0142 SF 1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling .....	1.10	
For Oil Based Paint, Add	0.07	
For Epoxy Paint, Add	0.12	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.69	
For >100 To 250, Add	0.33	
For >250 To 500, Add	0.14	
For >2,500 To 5,000, Deduct	-0.06	
For >5,000 To 10,000, Deduct	-0.11	
For >10,000 To 20,000, Deduct	-0.17	
For >20,000, Deduct	-0.22	
09 91 23 00-0143 SF 2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling .....	1.75	
For Oil Based Paint, Add	0.11	
For Epoxy Paint, Add	0.23	
For Work >15' To 20' Above Floor, Add	0.19	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.32	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.51	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.70	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.03	
For >100 To 250, Add	0.50	
For >250 To 500, Add	0.22	
For >2,500 To 5,000, Deduct	-0.09	
For >5,000 To 10,000, Deduct	-0.18	
For >10,000 To 20,000, Deduct	-0.26	
For >20,000, Deduct	-0.35	
09 91 23 00-0144 SF 1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling .....	1.34	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.42	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.58	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.84	
For >100 To 250, Add	0.40	
For >250 To 500, Add	0.17	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.27	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0145	SF 1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling .....	1.04	
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.42	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.61	
	For >100 To 250, Add	0.29	
	For >250 To 500, Add	0.13	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 91 23 00-0146	SF 1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling .....	1.12	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.43	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.64	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 23 00-0147	Paint Interior Drywall/Plaster Ceilings (09 91 23 00-0123) .....		
09 91 23 00-0148	SF 1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling .....	1.30	
	For Epoxy Paint, Add	0.13	
	For Oil Based Paint, Add	0.08	
	For Orange Peel Finish, Add	0.18	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.40	
	For >250 To 500, Add	0.17	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
09 91 23 00-0149	SF 1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling .....	1.41	
	For Epoxy Paint, Add	0.13	
	For Oil Based Paint, Add	0.08	
	For Orange Peel Finish, Add	0.20	
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.67	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.94	
	For >100 To 250, Add	0.45	
	For >250 To 500, Add	0.19	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 23 00-0150	SF 2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling .....	2.52	
	For Epoxy Paint, Add	0.24	
	For Oil Based Paint, Add	0.15	
	For Orange Peel Finish, Add	0.35	
	For Work >15' To 20' Above Floor, Add	0.32	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.54	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.86	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.18	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.66	
	For >100 To 250, Add	0.79	
	For >250 To 500, Add	0.34	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.25	
	For >10,000 To 20,000, Deduct	-0.38	
	For >20,000, Deduct	-0.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0151	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	1.13	
			For Epoxy Paint, Add	0.13	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.36	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.50	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.71	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	
09 91 23 00-0152	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	1.11	
			For Epoxy Paint, Add	0.11	
			For Oil Based Paint, Add	0.07	
			For Orange Peel Finish, Add	0.15	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0153	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling.....	2.05	
			For Epoxy Paint, Add	0.22	
			For Oil Based Paint, Add	0.12	
			For Orange Peel Finish, Add	0.28	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.67	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.92	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.31	
			For >100 To 250, Add	0.62	
			For >250 To 500, Add	0.27	
			For >2,500 To 5,000, Deduct	-0.10	
			For >5,000 To 10,000, Deduct	-0.21	
			For >10,000 To 20,000, Deduct	-0.31	
			For >20,000, Deduct	-0.41	
09 91 23 00-0154	SF	1	Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	1.13	
			For Epoxy Paint, Add	0.14	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.21	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.34	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.47	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.68	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.23	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0155	SF	1	Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	1.10	
			For Epoxy Paint, Add	0.12	
			For Oil Based Paint, Add	0.07	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.69	
			For >100 To 250, Add	0.33	
			For >250 To 500, Add	0.14	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0156	SF	2	Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling.....	1.77	
			For Epoxy Paint, Add	0.23	
			For Oil Based Paint, Add	0.11	
			For Work >15' To 20' Above Floor, Add	0.20	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.33	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.52	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.72	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.05	
			For >100 To 250, Add	0.50	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.35	
09 91 23 00-0157			Paint Interior Metal Ceilings (09 91 23 00-0123)		
09 91 23 00-0158			Galvanized Surfaces, Galvanized Primer (09 91 23 00-0157)		
			Note: Linseed oil or acrylic latex paint.		
09 91 23 00-0159	SF	1	Coat Primer, Brush Work, Paint Interior Galvanized Ceiling.....	1.68	
			For Electrostatic Painting, Add	0.24	
			For Work >15' To 20' Above Floor, Add	0.18	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.31	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.49	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.67	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.98	
			For >100 To 250, Add	0.47	
			For >250 To 500, Add	0.21	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.17	
			For >10,000 To 20,000, Deduct	-0.25	
			For >20,000, Deduct	-0.34	
09 91 23 00-0160	SF	1	Coat Paint, Brush Work, Paint Interior Galvanized Ceiling.....	1.83	
			For Electrostatic Painting, Add	0.25	
			For Work >15' To 20' Above Floor, Add	0.21	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.34	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.55	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.75	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.10	
			For >100 To 250, Add	0.53	
			For >250 To 500, Add	0.23	
			For >2,500 To 5,000, Deduct	-0.09	
			For >5,000 To 10,000, Deduct	-0.18	
			For >10,000 To 20,000, Deduct	-0.27	
			For >20,000, Deduct	-0.37	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0161 SF 2 Coats Paint, Brush Work, Paint Interior Galvanized Ceiling .....	3.34	
For Electrostatic Painting, Add	0.47	
For Work >15' To 20' Above Floor, Add	0.36	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.61	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.97	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.34	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.96	
For >100 To 250, Add	0.94	
For >250 To 500, Add	0.41	
For >2,500 To 5,000, Deduct	-0.17	
For >5,000 To 10,000, Deduct	-0.33	
For >10,000 To 20,000, Deduct	-0.50	
For >20,000, Deduct	-0.67	
09 91 23 00-0162 SF 1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.30	
For Electrostatic Painting, Add	0.19	
For Work >15' To 20' Above Floor, Add	0.14	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.23	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.37	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.51	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.75	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.13	
For >10,000 To 20,000, Deduct	-0.20	
For >20,000, Deduct	-0.26	
09 91 23 00-0163 SF 1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling.....	1.45	
For Electrostatic Painting, Add	0.20	
For Work >15' To 20' Above Floor, Add	0.16	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.27	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.43	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.59	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.86	
For >100 To 250, Add	0.41	
For >250 To 500, Add	0.18	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.15	
For >10,000 To 20,000, Deduct	-0.22	
For >20,000, Deduct	-0.29	
09 91 23 00-0164 SF 2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Ceiling .....	2.67	
For Electrostatic Painting, Add	0.38	
For Work >15' To 20' Above Floor, Add	0.29	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.48	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.77	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	1.06	
Note: Applied only to work area above 40'.		
For Up To 100, Add	1.55	
For >100 To 250, Add	0.75	
For >250 To 500, Add	0.33	
For >2,500 To 5,000, Deduct	-0.13	
For >5,000 To 10,000, Deduct	-0.27	
For >10,000 To 20,000, Deduct	-0.40	
For >20,000, Deduct	-0.53	
09 91 23 00-0165 SF 1 Coat Primer, Sprayed, Paint Interior Galvanized Ceiling .....	1.40	
For Electrostatic Painting, Add	0.22	
For Work >15' To 20' Above Floor, Add	0.13	
Note: Applied only to work area above 15' to 20'.		
For Work >20' To 30' Above Floor, Add	0.22	
Note: Applied only to work area above 20' to 30'.		
For Work >30' To 40' Above Floor, Add	0.35	
Note: Applied only to work area above 30' to 40'.		
For Work >40' Above Floor, Add	0.48	
Note: Applied only to work area above 40'.		
For Up To 100, Add	0.73	
For >100 To 250, Add	0.36	
For >250 To 500, Add	0.16	
For >2,500 To 5,000, Deduct	-0.07	
For >5,000 To 10,000, Deduct	-0.14	
For >10,000 To 20,000, Deduct	-0.21	
For >20,000, Deduct	-0.28	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0166	SF	1	Coat Paint, Sprayed, Paint Interior Galvanized Ceiling.....	1.60	
			<i>For Electrostatic Painting, Add</i>	0.24	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.27	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.43	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.59	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.88	
			<i>For &gt;100 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.19	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.24	
			<i>For &gt;20,000, Deduct</i>	-0.32	
09 91 23 00-0167	SF	2	Coats Paint, Sprayed, Paint Interior Galvanized Ceiling.....	2.56	
			<i>For Electrostatic Painting, Add</i>	0.42	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.83	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.28	
			<i>For &gt;100 To 250, Add</i>	0.63	
			<i>For &gt;250 To 500, Add</i>	0.28	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.26	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.38	
			<i>For &gt;20,000, Deduct</i>	-0.51	
09 91 23 00-0168			<b>Aluminum And Aluminum Alloy Surface Pretreatment Primer</b> (09 91 23 00-0157)		
			Note: Alkyd enamel paint.		
09 91 23 00-0169	SF	1	Coat Primer, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.68	
			<i>For Electrostatic Painting, Add</i>	0.24	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.18	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.49	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.67	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.98	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
			<i>For &gt;20,000, Deduct</i>	-0.34	
09 91 23 00-0170	SF	1	Coat Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.83	
			<i>For Electrostatic Painting, Add</i>	0.25	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.75	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.10	
			<i>For &gt;100 To 250, Add</i>	0.53	
			<i>For &gt;250 To 500, Add</i>	0.23	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.18	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.27	
			<i>For &gt;20,000, Deduct</i>	-0.37	
09 91 23 00-0171	SF	2	Coats Paint, Brush Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	3.34	
			<i>For Electrostatic Painting, Add</i>	0.47	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.61	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.97	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.96	
			<i>For &gt;100 To 250, Add</i>	0.94	
			<i>For &gt;250 To 500, Add</i>	0.41	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.17	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.33	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.50	
			<i>For &gt;20,000, Deduct</i>	-0.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0172	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	1.45	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.14	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.23	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.37	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.51	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.77	
			For >100 To 250, Add	0.38	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.15	
			For >10,000 To 20,000, Deduct	-0.22	
			For >20,000, Deduct	-0.29	
09 91 23 00-0173	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	1.60	
			For Electrostatic Painting, Add	0.24	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	
09 91 23 00-0174	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	3.02	
			For Electrostatic Painting, Add	0.46	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.63	
			For >100 To 250, Add	0.79	
			For >250 To 500, Add	0.35	
			For >2,500 To 5,000, Deduct	-0.15	
			For >5,000 To 10,000, Deduct	-0.30	
			For >10,000 To 20,000, Deduct	-0.45	
			For >20,000, Deduct	-0.60	
09 91 23 00-0175	SF	1	Coat Primer, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	1.40	
			For Electrostatic Painting, Add	0.22	
			For Work >15' To 20' Above Floor, Add	0.13	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.22	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.35	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.48	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.73	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.16	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0176	SF	1	Coat Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling .....	1.60	
			For Electrostatic Painting, Add	0.24	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.32	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0177	SF		2 Coats Paint, Sprayed, Paint Interior Aluminum And Aluminum Alloy Ceiling.....	2.56	
			<i>For Electrostatic Painting, Add</i>	0.42	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.38	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.60	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.83	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.28	
			<i>For &gt;100 To 250, Add</i>	0.63	
			<i>For &gt;250 To 500, Add</i>	0.28	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.26	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.38	
			<i>For &gt;20,000, Deduct</i>	-0.51	
09 91 23 00-0178			<b>Paint Interior Ceiling Tile Grid</b> (09 91 23 00-0157)		
			<i>Note: Grid only.</i>		
09 91 23 00-0179	LF		1 Coat Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.35	
			<i>For Electrostatic Painting, Add</i>	0.05	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.04	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.07	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.11	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.15	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.22	
			<i>For &gt;100 To 250, Add</i>	0.11	
			<i>For &gt;250 To 500, Add</i>	0.05	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.02	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.04	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.05	
			<i>For &gt;20,000, Deduct</i>	-0.07	
09 91 23 00-0180	LF		2 Coats Paint, Brush/Roller Work, Paint Interior Ceiling Tile Grid.....	0.70	
			<i>For Electrostatic Painting, Add</i>	0.09	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.09	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.14	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.23	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.31	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.45	
			<i>For &gt;100 To 250, Add</i>	0.21	
			<i>For &gt;250 To 500, Add</i>	0.09	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.07	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.11	
			<i>For &gt;20,000, Deduct</i>	-0.14	
09 91 23 00-0181			<b>Paint Interior Corrugated Metal Ceilings</b> (09 91 23 00-0157)		
09 91 23 00-0182	SF		1 Coat Primer, Sprayed, Paint Interior Corrugated Metal Ceiling.....	1.85	
			<i>For Electrostatic Painting, Add</i>	0.29	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.17	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.29	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.46	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.63	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 250, Add</i>	0.47	
			<i>For &gt;250 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.09	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.19	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.28	
			<i>For &gt;20,000, Deduct</i>	-0.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
09 91 23 00-0183	SF	1	Coat Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	2.12	
			<i>For Electrostatic Painting, Add</i>	0.32	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.36	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.57	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.78	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.17	
			<i>For &gt;100 To 250, Add</i>	0.57	
			<i>For &gt;250 To 500, Add</i>	0.25	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.32	
			<i>For &gt;20,000, Deduct</i>	-0.42	
09 91 23 00-0184	SF	2	Coats Paint, Sprayed, Paint Interior Corrugated Metal Ceiling.....	3.41	
			<i>For Electrostatic Painting, Add</i>	0.55	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.30	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.50	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.80	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.11	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.72	
			<i>For &gt;100 To 250, Add</i>	0.84	
			<i>For &gt;250 To 500, Add</i>	0.37	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.17	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.34	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.51	
			<i>For &gt;20,000, Deduct</i>	-0.68	
<b>09 91 23 00-0185 Paint Interior Wood Ceilings (09 91 23 00-0123)</b>					
<b>09 91 23 00-0186 Paint Interior Smooth Wood Ceilings (09 91 23 00-0185)</b>					
09 91 23 00-0187	SF	1	Coat Primer, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.60	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.19	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.32	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.51	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.70	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.00	
			<i>For &gt;100 To 250, Add</i>	0.48	
			<i>For &gt;250 To 500, Add</i>	0.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.16	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.24	
			<i>For &gt;20,000, Deduct</i>	-0.32	
09 91 23 00-0188	SF	1	Coat Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	1.65	
			<i>For Oil Based Paint, Add</i>	0.10	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.21	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.34	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.55	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	0.75	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.07	
			<i>For &gt;100 To 250, Add</i>	0.51	
			<i>For &gt;250 To 500, Add</i>	0.22	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
			<i>For &gt;20,000, Deduct</i>	-0.33	
09 91 23 00-0189	SF	2	Coats Paint, Brush Work, Paint Interior Wood Smooth Ceiling.....	3.00	
			<i>For Oil Based Paint, Add</i>	0.18	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.37	
			<i>Note: Applied only to work area above 15' to 20'.</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.61	
			<i>Note: Applied only to work area above 20' to 30'.</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.98	
			<i>Note: Applied only to work area above 30' to 40'.</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	1.34	
			<i>Note: Applied only to work area above 40'.</i>		
			<i>For Up To 100, Add</i>	1.91	
			<i>For &gt;100 To 250, Add</i>	0.91	
			<i>For &gt;250 To 500, Add</i>	0.39	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-0.15	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-0.30	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-0.45	
			<i>For &gt;20,000, Deduct</i>	-0.60	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0190	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Smooth Wood Ceiling .....	1.30	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.14	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.23	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.37	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.51	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.75	
	For >100 To 250, Add	0.36	
	For >250 To 500, Add	0.16	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.13	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.26	
09 91 23 00-0191	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling .....	1.40	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.85	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.28	
09 91 23 00-0192	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Smooth Wood Ceiling .....	2.62	
	For Oil Based Paint, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.29	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.49	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.78	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.08	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.57	
	For >100 To 250, Add	0.75	
	For >250 To 500, Add	0.33	
	For >2,500 To 5,000, Deduct	-0.13	
	For >5,000 To 10,000, Deduct	-0.26	
	For >10,000 To 20,000, Deduct	-0.39	
	For >20,000, Deduct	-0.52	
09 91 23 00-0193	SF 1 Coat Primer, Sprayed, Paint Interior Smooth Wood Ceiling.....	1.15	
	For Oil Based Paint, Add	0.07	
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.69	
	For >100 To 250, Add	0.33	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.12	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.23	
09 91 23 00-0194	SF 1 Coat Paint, Sprayed, Paint Interior Smooth Wood Ceiling.....	1.36	
	For Oil Based Paint, Add	0.08	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.27	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.43	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.59	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.85	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.20	
	For >20,000, Deduct	-0.27	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0195	SF 2 Coats Paint, Sprayed, Paint Interior Smooth Wood Ceiling .....	2.06	
	For Oil Based Paint, Add	0.13	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.83	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.21	
	For >100 To 250, Add	0.58	
	For >250 To 500, Add	0.25	
	For >2,500 To 5,000, Deduct	-0.10	
	For >5,000 To 10,000, Deduct	-0.21	
	For >10,000 To 20,000, Deduct	-0.31	
	For >20,000, Deduct	-0.41	

**09 91 23 00-0196 Paint Interior Wood Beams (09 91 23 00-0123)**

09 91 23 00-0197	SF 1 Coat Primer, Brush Work, Paint Interior Wood Beams .....	1.75	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.21	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.36	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.57	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.78	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.11	
	For >100 To 250, Add	0.53	
	For >250 To 500, Add	0.23	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.26	
	For >20,000, Deduct	-0.35	

09 91 23 00-0198	SF 1 Coat Paint, Brush Work, Paint Interior Wood Beams.....	1.79	
	For Oil Based Paint, Add	0.10	
	For Work >15' To 20' Above Floor, Add	0.23	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.38	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.60	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.83	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.17	
	For >100 To 250, Add	0.56	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.09	
	For >5,000 To 10,000, Deduct	-0.18	
	For >10,000 To 20,000, Deduct	-0.27	
	For >20,000, Deduct	-0.36	

09 91 23 00-0199	SF 2 Coats Paint, Brush Work, Paint Interior Wood Beams.....	3.27	
	For Oil Based Paint, Add	0.19	
	For Work >15' To 20' Above Floor, Add	0.41	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.68	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	1.08	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.49	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	2.12	
	For >100 To 250, Add	1.00	
	For >250 To 500, Add	0.43	
	For >2,500 To 5,000, Deduct	-0.16	
	For >5,000 To 10,000, Deduct	-0.33	
	For >10,000 To 20,000, Deduct	-0.49	
	For >20,000, Deduct	-0.65	

09 91 23 00-0200	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Beams.....	1.43	
	For Oil Based Paint, Add	0.09	
	For Work >15' To 20' Above Floor, Add	0.16	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.42	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.58	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.84	
	For >100 To 250, Add	0.41	
	For >250 To 500, Add	0.18	
	For >2,500 To 5,000, Deduct	-0.07	
	For >5,000 To 10,000, Deduct	-0.14	
	For >10,000 To 20,000, Deduct	-0.21	
	For >20,000, Deduct	-0.29	



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0201	SF		1 Coat Paint, Brush/Roller Work, Paint Interior Wood Beams .....	1.40	
			For Oil Based Paint, Add	0.09	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.21	
			For >20,000, Deduct	-0.28	
09 91 23 00-0202	SF		2 Coats Paint, Brush/Roller Work, Paint Interior Wood Beams.....	2.62	
			For Oil Based Paint, Add	0.16	
			For Work >15' To 20' Above Floor, Add	0.29	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.49	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.78	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.08	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.57	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.33	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.39	
			For >20,000, Deduct	-0.52	
09 91 23 00-0203	SF		1 Coat Primer, Sprayed, Paint Interior Wood Beams.....	1.36	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.85	
			For >100 To 250, Add	0.41	
			For >250 To 500, Add	0.18	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0204	SF		1 Coat Paint, Sprayed, Paint Interior Wood Beams.....	1.35	
			For Oil Based Paint, Add	0.08	
			For Work >15' To 20' Above Floor, Add	0.16	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.27	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.43	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.59	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0205	SF		2 Coats Paint, Sprayed, Paint Interior Wood Beams.....	2.25	
			For Oil Based Paint, Add	0.14	
			For Work >15' To 20' Above Floor, Add	0.25	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.42	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.68	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.93	
			Note: Applied only to work area above 40'.		
			For Up To 100, Add	1.35	
			For >100 To 250, Add	0.65	
			For >250 To 500, Add	0.28	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.23	
			For >10,000 To 20,000, Deduct	-0.34	
			For >20,000, Deduct	-0.45	

09 91 23 00-0206 Paint Interior Floors And Decks (09 91 23)

09 91 23 00-0207 Paint Interior Concrete Floors And Decks (09 91 23 00-0206)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0208	SF	1	Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks .....	0.99	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0209	SF	1	Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks .....	1.11	
			For Oil Based Paint, Add	0.07	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.72	
			For >100 To 250, Add	0.34	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.17	
			For >20,000, Deduct	-0.22	
09 91 23 00-0210	SF	2	Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	2.16	
			For Oil Based Paint, Add	0.13	
			For Epoxy Paint, Add	0.22	
			For Up To 100, Add	1.39	
			For >100 To 250, Add	0.66	
			For >250 To 500, Add	0.29	
			For >2,500 To 5,000, Deduct	-0.11	
			For >5,000 To 10,000, Deduct	-0.22	
			For >10,000 To 20,000, Deduct	-0.32	
			For >20,000, Deduct	-0.43	
09 91 23 00-0211	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks.....	0.97	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.12	
			For Up To 100, Add	0.59	
			For >100 To 250, Add	0.28	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.19	
09 91 23 00-0212	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	0.95	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.10	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.19	
09 91 23 00-0213	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	1.57	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.19	
			For Up To 100, Add	0.95	
			For >100 To 250, Add	0.45	
			For >250 To 500, Add	0.20	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.24	
			For >20,000, Deduct	-0.31	
09 91 23 00-0214	SF	1	Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks .....	0.86	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.13	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.23	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.17	
09 91 23 00-0215	SF	1	Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	0.88	
			For Oil Based Paint, Add	0.06	
			For Epoxy Paint, Add	0.11	
			For Up To 100, Add	0.52	
			For >100 To 250, Add	0.25	
			For >250 To 500, Add	0.11	
			For >2,500 To 5,000, Deduct	-0.04	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.13	
			For >20,000, Deduct	-0.18	
09 91 23 00-0216	SF	2	Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks.....	1.55	
			For Oil Based Paint, Add	0.10	
			For Epoxy Paint, Add	0.22	
			For Up To 100, Add	0.88	
			For >100 To 250, Add	0.43	
			For >250 To 500, Add	0.19	
			For >2,500 To 5,000, Deduct	-0.08	
			For >5,000 To 10,000, Deduct	-0.16	
			For >10,000 To 20,000, Deduct	-0.23	
			For >20,000, Deduct	-0.31	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0217	SF	1	Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks .....	1.04	
			For Up To 100, Add	0.61	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.21	
09 91 23 00-0218	SF	1	Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks .....	1.02	
			For Up To 100, Add	0.60	
			For >100 To 250, Add	0.29	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0219	SF	1	Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks.....	0.91	
			For Up To 100, Add	0.48	
			For >100 To 250, Add	0.24	
			For >250 To 500, Add	0.10	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.09	
			For >10,000 To 20,000, Deduct	-0.14	
			For >20,000, Deduct	-0.18	
09 91 23 00-0220	SF	1	Coat Non-Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks.....	2.55	
			For Up To 100, Add	0.93	
			For >100 To 250, Add	0.49	
			For >250 To 500, Add	0.22	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.26	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.51	
09 91 23 00-0221	SF	1	Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251).....	7.00	
			For Up To 100, Add	1.60	
			For >100 To 250, Add	0.93	
			For >250 To 500, Add	0.44	
			For >2,500 To 5,000, Deduct	-0.35	
			For >5,000 To 10,000, Deduct	-0.70	
			For >10,000 To 20,000, Deduct	-1.05	
			For >20,000, Deduct	-1.40	
<b>09 91 23 00-0222 Paint Interior Wood Floors And Decks (09 91 23 00-0206)</b>					
09 91 23 00-0223	SF	1	Coat Primer, Brush Work, Paint Interior Wood Floors And Decks .....	1.25	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.74	
			For >100 To 250, Add	0.36	
			For >250 To 500, Add	0.15	
			For >2,500 To 5,000, Deduct	-0.06	
			For >5,000 To 10,000, Deduct	-0.13	
			For >10,000 To 20,000, Deduct	-0.19	
			For >20,000, Deduct	-0.25	
09 91 23 00-0224	SF	1	Coat Paint, Brush Work, Paint Interior Wood Floors And Decks.....	1.35	
			For Oil Based Paint, Add	0.08	
			For Up To 100, Add	0.84	
			For >100 To 250, Add	0.40	
			For >250 To 500, Add	0.17	
			For >2,500 To 5,000, Deduct	-0.07	
			For >5,000 To 10,000, Deduct	-0.14	
			For >10,000 To 20,000, Deduct	-0.20	
			For >20,000, Deduct	-0.27	
09 91 23 00-0225	SF	2	Coats Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.53	
			For Oil Based Paint, Add	0.15	
			For Up To 100, Add	1.56	
			For >100 To 250, Add	0.75	
			For >250 To 500, Add	0.32	
			For >2,500 To 5,000, Deduct	-0.13	
			For >5,000 To 10,000, Deduct	-0.25	
			For >10,000 To 20,000, Deduct	-0.38	
			For >20,000, Deduct	-0.51	
09 91 23 00-0226	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Wood Floors And Decks.....	1.02	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.54	
			For >100 To 250, Add	0.26	
			For >250 To 500, Add	0.12	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.10	
			For >10,000 To 20,000, Deduct	-0.15	
			For >20,000, Deduct	-0.20	
09 91 23 00-0227	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks .....	1.09	
			For Oil Based Paint, Add	0.07	
			For Up To 100, Add	0.62	
			For >100 To 250, Add	0.30	
			For >250 To 500, Add	0.13	
			For >2,500 To 5,000, Deduct	-0.05	
			For >5,000 To 10,000, Deduct	-0.11	
			For >10,000 To 20,000, Deduct	-0.16	
			For >20,000, Deduct	-0.22	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0228	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Floors And Decks .....	2.17	
		<i>For Oil Based Paint, Add</i>	0.14	
		<i>For Up To 100, Add</i>	1.23	
		<i>For &gt;100 To 250, Add</i>	0.59	
		<i>For &gt;250 To 500, Add</i>	0.26	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
		<i>For &gt;20,000, Deduct</i>	-0.43	
09 91 23 00-0229	SF	1 Coat Primer, Sprayed, Paint Interior Wood Floors And Decks.....	0.93	
		<i>For Oil Based Paint, Add</i>	0.06	
		<i>For Up To 100, Add</i>	0.53	
		<i>For &gt;100 To 250, Add</i>	0.26	
		<i>For &gt;250 To 500, Add</i>	0.11	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.05	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.14	
		<i>For &gt;20,000, Deduct</i>	-0.19	
09 91 23 00-0230	SF	1 Coat Paint, Sprayed, Paint Interior Wood Floors And Decks.....	1.15	
		<i>For Oil Based Paint, Add</i>	0.07	
		<i>For Up To 100, Add</i>	0.69	
		<i>For &gt;100 To 250, Add</i>	0.33	
		<i>For &gt;250 To 500, Add</i>	0.14	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.17	
		<i>For &gt;20,000, Deduct</i>	-0.23	
09 91 23 00-0231	SF	2 Coats Paint, Sprayed, Paint Interior Wood Floors And Decks .....	1.66	
		<i>For Oil Based Paint, Add</i>	0.11	
		<i>For Up To 100, Add</i>	0.91	
		<i>For &gt;100 To 250, Add</i>	0.44	
		<i>For &gt;250 To 500, Add</i>	0.19	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.08	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.17	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.25	
		<i>For &gt;20,000, Deduct</i>	-0.33	
09 91 23 00-0232	SF	1 Coat Non-Slip Paint, Brush Work, Paint Interior Wood Floors And Decks.....	2.55	
		<i>For Up To 100, Add</i>	0.93	
		<i>For &gt;100 To 250, Add</i>	0.49	
		<i>For &gt;250 To 500, Add</i>	0.22	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.13	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.26	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.38	
		<i>For &gt;20,000, Deduct</i>	-0.51	
09 91 23 00-0233	SF	1 Coat Non-Slip Epoxy Paint, Brush Work, Paint Interior Wood Floors And Decks.....	7.00	
		<i>For Up To 100, Add</i>	1.60	
		<i>For &gt;100 To 250, Add</i>	0.93	
		<i>For &gt;250 To 500, Add</i>	0.44	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-0.35	
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.70	
		<i>For &gt;10,000 To 20,000, Deduct</i>	-1.05	
		<i>For &gt;20,000, Deduct</i>	-1.40	

**09 91 23 00-0234 Paint Interior Doors And Windows** (09 91 23)

**09 91 23 00-0235 Paint Interior Door Frames** (09 91 23 00-0234)

09 91 23 00-0236	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.47	
		<i>For Oil Based Paint, Add</i>	0.08	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.39	
09 91 23 00-0237	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim.....	1.91	
		<i>For Oil Based Paint, Add</i>	0.10	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.50	
09 91 23 00-0238	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim .....	3.24	
		<i>For Oil Based Paint, Add</i>	0.18	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.85	
09 91 23 00-0239	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	1.52	
		<i>For Oil Based Paint, Add</i>	0.09	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.41	
09 91 23 00-0240	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim .....	1.96	
		<i>For Oil Based Paint, Add</i>	0.11	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.52	
09 91 23 00-0241	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim.....	3.32	
		<i>For Oil Based Paint, Add</i>	0.18	
		<i>For Painting One Face Of Frame Only, Deduct</i>	-0.88	

**09 91 23 00-0242 Paint Interior Metal Doors** (09 91 23 00-0234)

09 91 23 00-0243	EA	1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Metal Door .....	75.34	
		<i>For Electrostatic Painting, Add</i>	12.21	
		<i>For Half Louvered Door, Add</i>	6.62	
		<i>For Full Louvered Door, Add</i>	11.04	
		<i>For Oil Based Paint, Add</i>	5.33	
		<i>For &gt;5 To 10, Deduct</i>	-3.77	
		<i>For &gt;10 To 25, Deduct</i>	-7.53	
		<i>For &gt;25, Deduct</i>	-11.30	

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0244	EA		1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	75.34	
			<i>For Electrostatic Painting, Add</i>	12.21	
			<i>For Half Louvered Door, Add</i>	6.62	
			<i>For Full Louvered Door, Add</i>	11.04	
			<i>For Oil Based Paint, Add</i>	5.33	
			<i>For &gt;5 To 10, Deduct</i>	-3.77	
			<i>For &gt;10 To 25, Deduct</i>	-7.53	
			<i>For &gt;25, Deduct</i>	-11.30	
09 91 23 00-0245	EA		2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Metal Door.....	136.57	
			<i>For Electrostatic Painting, Add</i>	22.96	
			<i>For Half Louvered Door, Add</i>	11.18	
			<i>For Full Louvered Door, Add</i>	18.64	
			<i>For Oil Based Paint, Add</i>	9.93	
			<i>For &gt;5 To 10, Deduct</i>	-6.83	
			<i>For &gt;10 To 25, Deduct</i>	-13.66	
			<i>For &gt;25, Deduct</i>	-20.49	
09 91 23 00-0246	EA		1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Metal Door.....	135.22	
			<i>For Electrostatic Painting, Add</i>	21.93	
			<i>For Half Louvered Door, Add</i>	11.87	
			<i>For Full Louvered Door, Add</i>	19.79	
			<i>For Oil Based Paint, Add</i>	9.56	
			<i>For &gt;5 To 10, Deduct</i>	-6.76	
			<i>For &gt;10 To 25, Deduct</i>	-13.52	
			<i>For &gt;25, Deduct</i>	-20.28	
09 91 23 00-0247	EA		1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door.....	135.23	
			<i>For Electrostatic Painting, Add</i>	21.93	
			<i>For Half Louvered Door, Add</i>	11.87	
			<i>For Full Louvered Door, Add</i>	19.79	
			<i>For Oil Based Paint, Add</i>	9.57	
			<i>For &gt;5 To 10, Deduct</i>	-6.76	
			<i>For &gt;10 To 25, Deduct</i>	-13.52	
			<i>For &gt;25, Deduct</i>	-20.28	
09 91 23 00-0248	EA		2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Metal Door.....	246.07	
			<i>For Electrostatic Painting, Add</i>	41.43	
			<i>For Half Louvered Door, Add</i>	20.09	
			<i>For Full Louvered Door, Add</i>	33.48	
			<i>For Oil Based Paint, Add</i>	17.91	
			<i>For &gt;5 To 10, Deduct</i>	-12.30	
			<i>For &gt;10 To 25, Deduct</i>	-24.61	
			<i>For &gt;25, Deduct</i>	-36.91	
09 91 23 00-0249	EA		1 Coat Primer, Sprayed, One Face, Paint Interior Metal Door.....	71.68	
			<i>For Electrostatic Painting, Add</i>	12.32	
			<i>For Half Louvered Door, Add</i>	5.60	
			<i>For Full Louvered Door, Add</i>	9.34	
			<i>For Oil Based Paint, Add</i>	5.30	
			<i>For &gt;5 To 10, Deduct</i>	-3.58	
			<i>For &gt;10 To 25, Deduct</i>	-7.17	
			<i>For &gt;25, Deduct</i>	-10.75	
09 91 23 00-0250	EA		1 Coat Paint, Sprayed, One Face, Paint Interior Metal Door.....	71.67	
			<i>For Electrostatic Painting, Add</i>	12.32	
			<i>For Half Louvered Door, Add</i>	5.60	
			<i>For Full Louvered Door, Add</i>	9.34	
			<i>For Oil Based Paint, Add</i>	5.30	
			<i>For &gt;5 To 10, Deduct</i>	-3.58	
			<i>For &gt;10 To 25, Deduct</i>	-7.17	
			<i>For &gt;25, Deduct</i>	-10.75	
09 91 23 00-0251	EA		2 Coats Paint, Sprayed, One Face, Paint Interior Metal Door.....	131.30	
			<i>For Electrostatic Painting, Add</i>	23.36	
			<i>For Half Louvered Door, Add</i>	9.46	
			<i>For Full Louvered Door, Add</i>	15.77	
			<i>For Oil Based Paint, Add</i>	9.98	
			<i>For &gt;5 To 10, Deduct</i>	-6.57	
			<i>For &gt;10 To 25, Deduct</i>	-13.13	
			<i>For &gt;25, Deduct</i>	-19.70	
09 91 23 00-0252	EA		1 Coat Primer, Sprayed, Both Faces, Paint Interior Metal Door.....	128.67	
			<i>For Electrostatic Painting, Add</i>	22.12	
			<i>For Half Louvered Door, Add</i>	10.05	
			<i>For Full Louvered Door, Add</i>	16.75	
			<i>For Oil Based Paint, Add</i>	9.52	
			<i>For &gt;5 To 10, Deduct</i>	-6.43	
			<i>For &gt;10 To 25, Deduct</i>	-12.87	
			<i>For &gt;25, Deduct</i>	-19.30	
09 91 23 00-0253	EA		1 Coat Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	128.67	
			<i>For Electrostatic Painting, Add</i>	22.12	
			<i>For Half Louvered Door, Add</i>	10.05	
			<i>For Full Louvered Door, Add</i>	16.75	
			<i>For Oil Based Paint, Add</i>	9.52	
			<i>For &gt;5 To 10, Deduct</i>	-6.43	
			<i>For &gt;10 To 25, Deduct</i>	-12.87	
			<i>For &gt;25, Deduct</i>	-19.30	
09 91 23 00-0254	EA		2 Coats Paint, Sprayed, Both Faces, Paint Interior Metal Door.....	236.69	
			<i>For Electrostatic Painting, Add</i>	42.17	
			<i>For Half Louvered Door, Add</i>	17.00	
			<i>For Full Louvered Door, Add</i>	28.34	
			<i>For Oil Based Paint, Add</i>	18.00	
			<i>For &gt;5 To 10, Deduct</i>	-11.83	
			<i>For &gt;10 To 25, Deduct</i>	-23.67	
			<i>For &gt;25, Deduct</i>	-35.50	

09 91 23 00-0255 Paint Interior Wood Doors (09 91 23 00-0234)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0256 EA 1 Coat Primer, Brush/Roller Work, One Face, Paint Interior Wood Door.....	66.32	
For Oil Based Paint, Add	4.43	
For Half Louvered Door, Add	6.62	
For Full Louvered Door, Add	11.04	
For >5 To 10, Deduct	-3.32	
For >10 To 25, Deduct	-6.63	
For >25, Deduct	-9.95	
09 91 23 00-0257 EA 1 Coat Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	66.32	
For Oil Based Paint, Add	4.43	
For Half Louvered Door, Add	6.62	
For Full Louvered Door, Add	11.04	
For >5 To 10, Deduct	-3.32	
For >10 To 25, Deduct	-6.63	
For >25, Deduct	-9.95	
09 91 23 00-0258 EA 2 Coats Paint, Brush/Roller Work, One Face, Paint Interior Wood Door.....	118.64	
For Oil Based Paint, Add	8.14	
For Half Louvered Door, Add	11.19	
For Full Louvered Door, Add	18.64	
For >5 To 10, Deduct	-5.93	
For >10 To 25, Deduct	-11.86	
For >25, Deduct	-17.80	
09 91 23 00-0259 EA 1 Coat Primer, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	119.01	
For Oil Based Paint, Add	7.94	
For Half Louvered Door, Add	11.87	
For Full Louvered Door, Add	19.79	
For >5 To 10, Deduct	-5.95	
For >10 To 25, Deduct	-11.90	
For >25, Deduct	-17.85	
09 91 23 00-0260 EA 1 Coat Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	119.01	
For Oil Based Paint, Add	7.94	
For Half Louvered Door, Add	11.87	
For Full Louvered Door, Add	19.79	
For >5 To 10, Deduct	-5.95	
For >10 To 25, Deduct	-11.90	
For >25, Deduct	-17.85	
09 91 23 00-0261 EA 2 Coats Paint, Brush/Roller Work, Both Faces, Paint Interior Wood Door.....	213.64	
For Oil Based Paint, Add	14.67	
For Half Louvered Door, Add	20.09	
For Full Louvered Door, Add	33.48	
For >5 To 10, Deduct	-10.68	
For >10 To 25, Deduct	-21.36	
For >25, Deduct	-32.05	
09 91 23 00-0262 EA 1 Coat Primer, Sprayed, One Face, Paint Interior Wood Door.....	61.74	
For Oil Based Paint, Add	4.31	
For Half Louvered Door, Add	5.60	
For Full Louvered Door, Add	9.34	
For >5 To 10, Deduct	-3.09	
For >10 To 25, Deduct	-6.17	
For >25, Deduct	-9.26	
09 91 23 00-0263 EA 1 Coat Paint, Sprayed, One Face, Paint Interior Wood Door.....	61.74	
For Oil Based Paint, Add	4.31	
For Half Louvered Door, Add	5.60	
For Full Louvered Door, Add	9.34	
For >5 To 10, Deduct	-3.09	
For >10 To 25, Deduct	-6.17	
For >25, Deduct	-9.26	
09 91 23 00-0264 EA 2 Coats Paint, Sprayed, One Face, Paint Interior Wood Door.....	111.60	
For Oil Based Paint, Add	8.00	
For Half Louvered Door, Add	9.47	
For Full Louvered Door, Add	15.78	
For >5 To 10, Deduct	-5.58	
For >10 To 25, Deduct	-11.16	
For >25, Deduct	-16.74	
09 91 23 00-0265 EA 1 Coat Primer, Sprayed, Both Faces, Paint Interior Wood Door.....	110.83	
For Oil Based Paint, Add	7.73	
For Half Louvered Door, Add	10.05	
For Full Louvered Door, Add	16.75	
For >5 To 10, Deduct	-5.54	
For >10 To 25, Deduct	-11.08	
For >25, Deduct	-16.62	
09 91 23 00-0266 EA 1 Coat Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	110.83	
For Oil Based Paint, Add	7.73	
For Half Louvered Door, Add	10.05	
For Full Louvered Door, Add	16.75	
For >5 To 10, Deduct	-5.54	
For >10 To 25, Deduct	-11.08	
For >25, Deduct	-16.62	
09 91 23 00-0267 EA 2 Coats Paint, Sprayed, Both Faces, Paint Interior Wood Door.....	201.02	
For Oil Based Paint, Add	14.44	
For Half Louvered Door, Add	17.00	
For Full Louvered Door, Add	28.34	
For >5 To 10, Deduct	-10.05	
For >10 To 25, Deduct	-20.10	
For >25, Deduct	-30.15	

09 91 23 00-0268 Paint Interior Metal Windows (09 91 23 00-0234)  
 Note: Two finish coats paint over rust inhibitive primer.



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0269	EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	119.68	
	<i>For Oil Based Paint, Add</i>	7.02	
	<i>For Electrostatic Painting, Add</i>	15.08	
	<i>For &gt;5 To 10, Deduct</i>	-5.98	
	<i>For &gt;10 To 25, Deduct</i>	-11.97	
	<i>For &gt;25, Deduct</i>	-17.95	
09 91 23 00-0270	EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	146.20	
	<i>For Oil Based Paint, Add</i>	8.91	
	<i>For Electrostatic Painting, Add</i>	19.42	
	<i>For &gt;5 To 10, Deduct</i>	-7.31	
	<i>For &gt;10 To 25, Deduct</i>	-14.62	
	<i>For &gt;25, Deduct</i>	-21.93	
09 91 23 00-0271	EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	197.73	
	<i>For Oil Based Paint, Add</i>	12.16	
	<i>For Electrostatic Painting, Add</i>	26.60	
	<i>For &gt;5 To 10, Deduct</i>	-9.89	
	<i>For &gt;10 To 25, Deduct</i>	-19.77	
	<i>For &gt;25, Deduct</i>	-29.66	
09 91 23 00-0272	EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	222.71	
	<i>For Oil Based Paint, Add</i>	13.71	
	<i>For Electrostatic Painting, Add</i>	29.98	
	<i>For &gt;5 To 10, Deduct</i>	-11.14	
	<i>For &gt;10 To 25, Deduct</i>	-22.27	
	<i>For &gt;25, Deduct</i>	-33.41	
09 91 23 00-0273	EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	246.86	
	<i>For Oil Based Paint, Add</i>	15.17	
	<i>For Electrostatic Painting, Add</i>	33.17	
	<i>For &gt;5 To 10, Deduct</i>	-12.34	
	<i>For &gt;10 To 25, Deduct</i>	-24.69	
	<i>For &gt;25, Deduct</i>	-37.03	
09 91 23 00-0274	SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Metal Window Including Trim, Brush/Roller Work	7.83	
	<i>For Oil Based Paint, Add</i>	0.48	
	<i>For Electrostatic Painting, Add</i>	1.05	
<b>09 91 23 00-0275 Paint Interior Wood Windows (09 91 23 00-0234)</b>			
Note: Two finish coats paint over primer.			
09 91 23 00-0276	EA Up To 8 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	113.69	
	<i>For Oil Based Paint, Add</i>	6.42	
	<i>For &gt;5 To 10, Deduct</i>	-5.68	
	<i>For &gt;10 To 25, Deduct</i>	-11.37	
	<i>For &gt;25, Deduct</i>	-17.05	
09 91 23 00-0277	EA >8 To 14 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	136.94	
	<i>For Oil Based Paint, Add</i>	7.99	
	<i>For &gt;5 To 10, Deduct</i>	-6.85	
	<i>For &gt;10 To 25, Deduct</i>	-13.69	
	<i>For &gt;25, Deduct</i>	-20.54	
09 91 23 00-0278	EA >14 To 20 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	241.86	
	<i>For Oil Based Paint, Add</i>	13.71	
	<i>For &gt;5 To 10, Deduct</i>	-12.09	
	<i>For &gt;10 To 25, Deduct</i>	-24.19	
	<i>For &gt;25, Deduct</i>	-36.28	
09 91 23 00-0279	EA >20 To 26 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	272.31	
	<i>For Oil Based Paint, Add</i>	15.44	
	<i>For &gt;5 To 10, Deduct</i>	-13.62	
	<i>For &gt;10 To 25, Deduct</i>	-27.23	
	<i>For &gt;25, Deduct</i>	-40.85	
09 91 23 00-0280	EA >26 To 34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	230.50	
	<i>For Oil Based Paint, Add</i>	13.53	
	<i>For &gt;5 To 10, Deduct</i>	-11.53	
	<i>For &gt;10 To 25, Deduct</i>	-23.05	
	<i>For &gt;25, Deduct</i>	-34.58	
09 91 23 00-0281	SF >34 SF Window Size, 1 Coat Primer And Two Coats Paint, Brush Work, Interior Wood Windows Including Trim, Brush/Roller Work	7.70	
	<i>For Oil Based Paint, Add</i>	0.45	
<b>09 91 23 00-0282 Paint Interior Security Screens (09 91 23 00-0234)</b>			
09 91 23 00-0283	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Security Screen	2.35	
	<i>For Oil Based Paint, Add</i>	0.14	
	<i>For Electrostatic Painting, Add</i>	0.30	
09 91 23 00-0284	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Security Screen	2.40	
	<i>For Oil Based Paint, Add</i>	0.14	
	<i>For Electrostatic Painting, Add</i>	0.29	
09 91 23 00-0285	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Security Screen	3.99	
	<i>For Oil Based Paint, Add</i>	0.23	
	<i>For Electrostatic Painting, Add</i>	0.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>09 91 23 00-0286 Paint Interior Window Guards</b> <small>(09 91 23 00-0234)</small>		
09 91 23 00-0287	SF 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Guards <i>For Oil Based Paint, Add</i>	2.35 0.14
09 91 23 00-0288	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Guards <i>For Oil Based Paint, Add</i>	2.40 0.14
09 91 23 00-0289	SF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Guards <i>For Oil Based Paint, Add</i>	3.99 0.23

<b>09 91 23 00-0290 Paint Interior Window Trim</b> <small>(09 91 23 00-0234)</small>		
09 91 23 00-0291	LF 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Window Frame And Trim <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	2.25 0.13 -0.63
09 91 23 00-0292	LF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	2.25 0.13 -0.63
09 91 23 00-0293	LF 2 Coats Paint, Brush/Roller Work, Paint Interior Wood Window Frame And Trim <i>For Oil Based Paint, Add</i> <i>For Painting One Face Of Frame Only, Deduct</i>	4.91 0.29 -1.35
09 91 23 00-0294	LF 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Window Frame And Trim <i>Note: Brush/roller work.</i> <i>For Painting One Face Of Frame Only, Deduct</i>	2.52  -0.73
09 91 23 00-0295	LF 1 Coat Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim <i>Note: Brush/roller work.</i> <i>For Painting One Face Of Frame Only, Deduct</i>	2.52  -0.73
09 91 23 00-0296	LF 2 Coats Paint, Brush/Roller Work, Paint Interior Metal Window Frame And Trim <i>Note: Brush/roller work.</i> <i>For Painting One Face Of Frame Only, Deduct</i>	5.45  -1.57

**09 91 23 00-0297 Paint Interior Cabinets And Casework** (09 91 23)

<b>09 91 23 00-0298 Paint Interior Wood Cabinets And Casework</b> <small>(09 91 23 00-0297)</small>		
09 91 23 00-0299	SF 1 Coat Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	1.64 -0.08 -0.16 -0.25
09 91 23 00-0300	SF 1 Coat Enamel Primer And 1 Coat Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.27 -0.11 -0.23 -0.34
09 91 23 00-0301	SF 1 Coat Enamel Primer And 2 Coats Alkyd Or Latex Paint, Brush/Roller Work, Paint Interior Wood Cabinets And Casework <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	3.73 -0.19 -0.37 -0.56

**09 91 23 00-0302 Paint Exposed Metal Lockers And Cabinets** (09 91 23 00-0297)

09 91 23 00-0303	SF 1 Coat Primer, Brush/Roller Work, Paint Exposed Metal Locker <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.17 -0.11 -0.22 -0.33
09 91 23 00-0304	SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	2.20 -0.11 -0.22 -0.33
09 91 23 00-0305	SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Exposed Metal Locker <i>For &gt;5,000 To 10,000, Deduct</i> <i>For &gt;10,000 To 20,000, Deduct</i> <i>For &gt;20,000, Deduct</i>	4.09 -0.20 -0.41 -0.61

**09 91 23 00-0306 Paint Interior Stairs** (09 91 23)

<b>09 91 23 00-0307 Paint Interior Concrete Stairs</b> <small>(09 91 23 00-0306)</small>		
<i>Note: Includes the riser and tread.</i>		
09 91 23 00-0308	RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	29.73
09 91 23 00-0309	RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	29.73
09 91 23 00-0310	RSR 1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) <i>Note: Excludes riser.</i>	21.58
09 91 23 00-0311	RSR 1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide) <i>Note: Excludes riser.</i>	39.39
09 91 23 00-0312	RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Concrete Stair (To 4' Wide)	59.47

**09 91 23 00-0313 Paint Interior Metal Stairs** (09 91 23 00-0306)

<i>Note: Includes the riser and tread.</i>		
09 91 23 00-0314	RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	16.22
09 91 23 00-0315	RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	15.59
09 91 23 00-0316	RSR 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Metal Stair (To 4' Wide)	31.19

**09 91 23 00-0317 Paint Interior Wood Stairs** (09 91 23 00-0306)

<i>Note: Includes the riser and tread.</i>		
09 91 23 00-0318	RSR 1 Coat Primer, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	15.26
09 91 23 00-0319	RSR 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide)	15.25

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
09 91 23 00-0320	RSR	1 Coat Non-Slip Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....		14.34	
		Note: Excludes riser.			
09 91 23 00-0321	RSR	1 Coat Non-Slip Epoxy Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....		32.15	
		Note: Excludes riser.			
09 91 23 00-0322	RSR	2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Wood Stair (To 4' Wide).....		30.53	
<b>09 91 23 00-0323 Paint Interior Stair Nosing (09 91 23 00-0306)</b>					
09 91 23 00-0324	LF	1 Coat Paint, Up To 2", Non-Slip, Brush Work, Paint Interior Yellow Stair Safety Strip .....		2.03	
<b>09 91 23 00-0325 Paint Interior Trim (09 91 23)</b>					
<b>09 91 23 00-0326 Paint Interior Metal Trim (09 91 23 00-0325)</b>					
09 91 23 00-0327	SF	1 Coat Primer, Brush Work, Paint Interior Exposed Metal Trim .....		1.99	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.25	
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.42	
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.68	
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work &gt;40' Above Floor, Add</i>		0.93	
		Note: Applied only to work area above 40'.			
09 91 23 00-0328	SF	1 Coat Paint, Brush Work, Paint Interior Exposed Metal Trim .....		2.18	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.28	
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.47	
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.75	
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work &gt;40' Above Floor, Add</i>		1.03	
		Note: Applied only to work area above 40'.			
09 91 23 00-0329	SF	2 Coats Paint, Brush Work, Paint Interior Exposed Metal Trim.....		3.93	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.50	
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.84	
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		1.34	
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work &gt;40' Above Floor, Add</i>		1.84	
		Note: Applied only to work area above 40'.			
09 91 23 00-0330	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Exposed Metal Trim.....		1.66	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.20	
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.34	
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.54	
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work &gt;40' Above Floor, Add</i>		0.75	
		Note: Applied only to work area above 40'.			
09 91 23 00-0331	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim .....		1.81	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.23	
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.38	
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.60	
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work &gt;40' Above Floor, Add</i>		0.83	
		Note: Applied only to work area above 40'.			
09 91 23 00-0332	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Exposed Metal Trim .....		3.26	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.40	
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.67	
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		1.07	
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work &gt;40' Above Floor, Add</i>		1.47	
		Note: Applied only to work area above 40'.			
<b>09 91 23 00-0333 Paint Interior Wood Trim (09 91 23 00-0325)</b>					
09 91 23 00-0334	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide.....		1.02	
		<i>For Work &gt;15' To 20' Above Floor, Add</i>		0.14	
		Note: Applied only to work area above 15' to 20'.			
		<i>For Work &gt;20' To 30' Above Floor, Add</i>		0.23	
		Note: Applied only to work area above 20' to 30'.			
		<i>For Work &gt;30' To 40' Above Floor, Add</i>		0.37	
		Note: Applied only to work area above 30' to 40'.			
		<i>For Work &gt;40' Above Floor, Add</i>		0.51	
		Note: Applied only to work area above 40'.			
		<i>For Oil Based Paint, Add</i>		0.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0335	LF	1	Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide .....	1.13	
			For Work >15' To 20' Above Floor, Add	0.15	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.26	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.41	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	0.56	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.06	
09 91 23 00-0336	LF	2	Coats Paint, Brush Work, Paint Interior Wood Trim To 6" Wide .....	2.34	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.55	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.87	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.20	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.13	
09 91 23 00-0337	SF	1	Coat Primer, Brush Work, Paint Interior Wood Trim .....	3.14	
			For Work >15' To 20' Above Floor, Add	0.41	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.68	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.09	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.50	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.18	
09 91 23 00-0338	SF	1	Coat Paint, Brush Work, Paint Interior Wood Trim.....	3.48	
			For Work >15' To 20' Above Floor, Add	0.45	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.75	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.20	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.66	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.20	
09 91 23 00-0339	SF	2	Coats Paint, Brush Work, Paint Interior Wood Trim.....	6.32	
			For Work >15' To 20' Above Floor, Add	0.81	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	1.35	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	2.15	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	2.96	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.36	
09 91 23 00-0340	SF	1	Coat Primer, Brush/Roller Work, Paint Interior Wood Trim.....	2.59	
			For Work >15' To 20' Above Floor, Add	0.33	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.54	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.87	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.19	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.15	
09 91 23 00-0341	SF	1	Coat Paint, Brush/Roller Work, Paint Interior Wood Trim .....	2.88	
			For Work >15' To 20' Above Floor, Add	0.36	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	0.60	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	0.96	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	1.33	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.17	
09 91 23 00-0342	SF	2	Coats Paint, Brush/Roller Work, Paint Interior Wood Trim .....	5.21	
			For Work >15' To 20' Above Floor, Add	0.64	
			Note: Applied only to work area above 15' to 20'.		
			For Work >20' To 30' Above Floor, Add	1.07	
			Note: Applied only to work area above 20' to 30'.		
			For Work >30' To 40' Above Floor, Add	1.71	
			Note: Applied only to work area above 30' to 40'.		
			For Work >40' Above Floor, Add	2.35	
			Note: Applied only to work area above 40'.		
			For Oil Based Paint, Add	0.31	

09 91 23 00-0343 Paint Interior Metal Surfaces (09 91 23)

09 91 23 00-0344 Paint Interior Miscellaneous Metal Surfaces (09 91 23 00-0343)

**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0345	SF 1 Coat Alkyd Anticorrosive Metal Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.10	
	For Electrostatic Painting, Add	0.16	
	For Work >15' To 20' Above Floor, Add	0.12	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.20	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.32	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.44	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.65	
	For >100 To 250, Add	0.31	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.06	
	For >5,000 To 10,000, Deduct	-0.11	
	For >10,000 To 20,000, Deduct	-0.17	
	For >20,000, Deduct	-0.22	
09 91 23 00-0346	SF 1 Coat Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	1.62	
	For Electrostatic Painting, Add	0.21	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.53	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.73	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.04	
	For >100 To 250, Add	0.49	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.16	
	For >10,000 To 20,000, Deduct	-0.24	
	For >20,000, Deduct	-0.32	
09 91 23 00-0347	SF 2 Coats Alkyd Enamel Paint, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces.....	2.33	
	For Electrostatic Painting, Add	0.31	
	For Work >15' To 20' Above Floor, Add	0.27	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.45	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.72	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.99	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.43	
	For >100 To 250, Add	0.68	
	For >250 To 500, Add	0.30	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.23	
	For >10,000 To 20,000, Deduct	-0.35	
	For >20,000, Deduct	-0.47	
09 91 23 00-0348	SF 1 Coat Alkyd Anticorrosive Metal Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.67	
	For Electrostatic Painting, Add	0.22	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.53	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.73	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.05	
	For >100 To 250, Add	0.50	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	
09 91 23 00-0349	SF 1 Coat Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces.....	1.67	
	For Electrostatic Painting, Add	0.22	
	For Work >15' To 20' Above Floor, Add	0.20	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.33	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.53	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.73	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.05	
	For >100 To 250, Add	0.50	
	For >250 To 500, Add	0.22	
	For >2,500 To 5,000, Deduct	-0.08	
	For >5,000 To 10,000, Deduct	-0.17	
	For >10,000 To 20,000, Deduct	-0.25	
	For >20,000, Deduct	-0.33	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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09 91 23 00-0350	SF 2 Coats Alkyd Enamel Paint, Sprayed, Paint Interior Miscellaneous Metal Surfaces .....	2.70	
	For Electrostatic Painting, Add	0.37	
	For Work >15' To 20' Above Floor, Add	0.31	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.52	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.82	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	1.13	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.64	
	For >100 To 250, Add	0.79	
	For >250 To 500, Add	0.34	
	For >2,500 To 5,000, Deduct	-0.14	
	For >5,000 To 10,000, Deduct	-0.27	
	For >10,000 To 20,000, Deduct	-0.41	
	For >20,000, Deduct	-0.54	

**09 91 23 00-0351 Stencil Painting Letters/Numbers** (09 91 23)

Note: Painting on walls, floors, poles, etc. Includes stencil cutout and paint.

09 91 23 00-0352	EA Up To 1" High, Stencil Painting, Per Letter/Number .....	2.56	
	For >200 To 500, Deduct	-0.20	
	For >500 To 1,000, Deduct	-0.32	
	For >1,000 To 2,000, Deduct	-0.41	
	For >2,000, Deduct	-0.51	
09 91 23 00-0353	EA 1" To 2" High, Stencil Painting, Per Letter/Number.....	2.97	
	For >200 To 500, Deduct	-0.24	
	For >500 To 1,000, Deduct	-0.37	
	For >1,000 To 2,000, Deduct	-0.48	
	For >2,000, Deduct	-0.59	
09 91 23 00-0354	EA 2" To 3" High, Stencil Painting, Per Letter/Number.....	4.98	
	For >200 To 500, Deduct	-0.40	
	For >500 To 1,000, Deduct	-0.62	
	For >1,000 To 2,000, Deduct	-0.80	
	For >2,000, Deduct	-1.00	
09 91 23 00-0355	EA 3" To 4" High, Stencil Painting, Per Letter/Number.....	6.11	
	For >200 To 500, Deduct	-0.49	
	For >500 To 1,000, Deduct	-0.76	
	For >1,000 To 2,000, Deduct	-0.98	
	For >2,000, Deduct	-1.22	
09 91 23 00-0356	EA 4" To 6" High, Stencil Painting, Per Letter/Number.....	8.41	
	For >200 To 500, Deduct	-0.67	
	For >500 To 1,000, Deduct	-1.05	
	For >1,000 To 2,000, Deduct	-1.35	
	For >2,000, Deduct	-1.68	
09 91 23 00-0357	EA 6" To 12" High, Stencil Painting, Per Letter/Number.....	11.15	
	For >200 To 500, Deduct	-0.89	
	For >500 To 1,000, Deduct	-1.39	
	For >1,000 To 2,000, Deduct	-1.78	
	For >2,000, Deduct	-2.23	
09 91 23 00-0358	EA Over 12" High, Stencil Painting, Per Letter/Number .....	13.14	
	For >200 To 500, Deduct	-1.05	
	For >500 To 1,000, Deduct	-1.64	
	For >1,000 To 2,000, Deduct	-2.10	
	For >2,000, Deduct	-2.63	

**09 91 23 00-0359 Logo Painting** (09 91 23)

09 91 23 00-0360	SF Simple Design, Paint Logo .....	48.00	
09 91 23 00-0361	SF Complex Design, Paint Logo .....	56.36	

**09 91 23 00-0362 Paint Additives** (09 91 23)

09 91 23 00-0363	SF Mildewcide/Mold Killing Paint Additive Per Each Coat.....	0.02	
09 91 23 00-0364	SF Class "B" Fire Rating, Fire Resistant Paint Additive .....	0.08	
	For Class "A" Fire Rating, Add	0.08	

**09 91 23 00-0365 Hand Painting Letters/Numbers** (09 91 23)

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0366	EA Up To 1" High, Hand Paint, Per Letter/Number .....	3.15	
09 91 23 00-0367	EA 1" To 2" High, Hand Paint, Per Letter/Number.....	3.65	
09 91 23 00-0368	EA 2" To 3" High, Hand Paint, Per Letter/Number.....	5.52	
09 91 23 00-0369	EA 3" To 4" High, Hand Paint, Per Letter/Number.....	6.75	
09 91 23 00-0370	EA 4" To 6" High, Hand Paint, Per Letter/Number.....	9.31	
09 91 23 00-0371	EA 6" To 12" High, Hand Paint, Per Letter/Number.....	11.78	
09 91 23 00-0372	EA Over 12" High, Hand Paint, Per Letter/Number .....	13.82	

**09 91 23 00-0373 Glove/Mitt Application** (09 91 23)

**09 91 23 00-0374 Conduit/Pipe** (09 91 23 00-0373)



**09 Finishes**

**09 90 Painting and Coating**

**09 91 Painting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 91 23 00-0375	CSF Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	59.23 8.22 13.70 21.92 30.15	
09 91 23 00-0376	CSF Metal Primer Conduit Or Pipe With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	101.44 9.87 16.44 26.31 36.17	
09 91 23 00-0377	CSF Enamel Paint, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	80.36 7.23 12.06 19.29 26.53	
09 91 23 00-0378	CSF Enamel Paint, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	66.26 5.43 9.04 14.47 19.89	
09 91 23 00-0379	CSF Epoxy Paint, First Coat Conduit Or Pipe With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	127.37 8.22 13.70 21.92 30.15	
09 91 23 00-0380	CSF Epoxy Paint, Second Coat Conduit Or Pipe With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	117.79 7.23 12.06 19.29 26.53	
<b>09 91 23 00-0381</b>	<b>Ductwork</b> <small>(09 91 23 00-0373)</small>		
09 91 23 00-0382	CSF Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	59.23 8.22 13.70 21.92 30.15	
09 91 23 00-0383	CSF Metal Primer Ductwork With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	95.33 8.22 13.70 21.92 30.15	
09 91 23 00-0384	CSF Enamel Paint, Oil Base Paint Ductwork With Glove/Mitt ..... <i>For Work &gt;15' To 20' Above Floor, Add</i> <i>Note: Applied only to work area above 15' to 20'.</i> <i>For Work &gt;20' To 30' Above Floor, Add</i> <i>Note: Applied only to work area above 20' to 30'.</i> <i>For Work &gt;30' To 40' Above Floor, Add</i> <i>Note: Applied only to work area above 30' to 40'.</i> <i>For Work &gt;40' Above Floor, Add</i> <i>Note: Applied only to work area above 40'.</i>	73.01 6.58 10.96 17.54 24.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0385	CSF		Epoxy Paint, First Coat Ductwork With Glove/Mitt.....	122.16	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	8.22	
			<i>Note: Applied only to work area above 15' to 20'</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	13.70	
			<i>Note: Applied only to work area above 20' to 30'</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	21.92	
			<i>Note: Applied only to work area above 30' to 40'</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	30.15	
			<i>Note: Applied only to work area above 40'.</i>		
09 91 23 00-0386	CSF		Epoxy Paint, Second Coat Ductwork With Glove/Mitt.....	106.98	
			<i>For Work &gt;15' To 20' Above Floor, Add</i>	6.58	
			<i>Note: Applied only to work area above 15' to 20'</i>		
			<i>For Work &gt;20' To 30' Above Floor, Add</i>	10.96	
			<i>Note: Applied only to work area above 20' to 30'</i>		
			<i>For Work &gt;30' To 40' Above Floor, Add</i>	17.54	
			<i>Note: Applied only to work area above 30' to 40'</i>		
			<i>For Work &gt;40' Above Floor, Add</i>	24.11	
			<i>Note: Applied only to work area above 40'.</i>		

**09 91 33 Painting Materials (09 91)**

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

**09 91 33 00-0001 Primer (09 91 33)**

09 91 33 00-0002	GAL		Alkyd Primer/Sealer, Interior, 500 SF Per Gallon.....	77.18	
09 91 33 00-0003	GAL		Alkyd Wood Primer, Exterior, 400 SF Per Gallon .....	53.80	
09 91 33 00-0004	GAL		Prime Coat Oil Wood Primer, 310 SF Per Gallon .....	68.22	
09 91 33 00-0005	GAL		Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon.....	176.62	
09 91 33 00-0006	EA		Cement Base Primer, 25 LB Sack .....	56.26	
09 91 33 00-0007	GAL		Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon .....	86.74	
09 91 33 00-0008	GAL		Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon.....	69.63	
09 91 33 00-0009	GAL		Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon.....	53.80	
09 91 33 00-0010	GAL		Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon.....	48.88	
09 91 33 00-0011	GAL		Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon .....	86.15	
09 91 33 00-0012	GAL		Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon .....	71.73	
09 91 33 00-0013	GAL		Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon .....	71.73	
09 91 33 00-0014	GAL		Latex Wood Primer, Exterior, 300 SF Per Gallon .....	80.88	
09 91 33 00-0015	GAL		Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon.....	52.75	
09 91 33 00-0016	GAL		Red Alkyd Primer, 500 SF Per Gallon .....	132.09	
09 91 33 00-0017	GAL		Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon .....	56.26	
09 91 33 00-0018	GAL		Zinc Chromate Primer, 300 SF Per Gallon .....	45.01	
09 91 33 00-0019	GAL		Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon.....	116.39	
09 91 33 00-0020	GAL		Stain Killer, Alcohol Base.....	72.58	
09 91 33 00-0021	GAL		Sealer, Primer Kilz, 400 SF Per Gallon.....	81.89	

**09 91 33 00-0022 Paint (09 91 33)**

09 91 33 00-0023	GAL		Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon.....	39.38	
09 91 33 00-0024	GAL		Acrylic Urethane Sealer .....	195.28	
09 91 33 00-0025	GAL		Asphalt-Fiber Roof And Foundation Coating, Solvent Type .....	21.10	
			<i>Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.</i>		
09 91 33 00-0026	GAL		Concrete Enamel Epoxy, 350 SF Per Gallon.....	122.02	
09 91 33 00-0027	GAL		Concrete Acrylic Sealer, 400 SF Per Gallon.....	64.00	
09 91 33 00-0028	GAL		Tar Emulsion, Driveway Coating, 120 SF Per Gallon .....	31.90	
09 91 33 00-0029	GAL		Acrylic Latex, Driveway Coating, 250 SF Per Gallon .....	48.38	
09 91 33 00-0030	GAL		Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon .....	131.95	
09 91 33 00-0031	GAL		Exterior, Oil Base, Gloss, 400 SF Per Gallon .....	130.26	
09 91 33 00-0032	GAL		Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon.....	106.34	
09 91 33 00-0033	GAL		Exterior, Flat, Oil Base.....	97.48	
09 91 33 00-0034	GAL		Exterior, Latex, Semi-Gloss, 400 SF Per Gallon.....	92.51	
09 91 33 00-0035	GAL		Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon.....	109.00	
09 91 33 00-0036	GAL		Exterior, Latex Flat Paint, 300 SF Per Gallon .....	96.77	
09 91 33 00-0037	GAL		Exterior, Water Base, Latex Gloss Enamel.....	137.74	
09 91 33 00-0038	GAL		Cold Galvanizing Paint .....	360.24	
09 91 33 00-0039	GAL		High Heat Paint.....	187.01	
09 91 33 00-0040	GAL		Heat Resistant Paint.....	124.67	
09 91 33 00-0041	GAL		Zinc Chromate Paint.....	112.80	
09 91 33 00-0042	QT		Anti-Rust Enamel, 500 SF Per Quart.....	44.53	
09 91 33 00-0043	GAL		Rust Inhibitor, Ferrous Metal .....	124.67	
09 91 33 00-0044	GAL		Masonry Waterproofing, 100 SF Per Gallon .....	96.77	
09 91 33 00-0045	GAL		Alkyd Latex, Black .....	92.52	
09 91 33 00-0046	GAL		Alkyd Latex, White .....	84.10	
09 91 33 00-0047	GAL		Alkyd Latex, Colors.....	101.42	
09 91 33 00-0048	QT		Wrought Iron Paint, Black .....	113.79	
09 91 33 00-0049	GAL		Vinyl Paint.....	107.60	
09 91 33 00-0050	GAL		Silicone Alkyd .....	130.81	
09 91 33 00-0051	GAL		2 Component Solvent Based Acrylic Epoxy.....	132.92	
09 91 33 00-0052	GAL		2 Component Solvent Based Polyester Epoxy .....	166.68	
09 91 33 00-0053	GAL		Chlorinated Rubber.....	122.37	
09 91 33 00-0054	GAL		Polyamide Epoxy Sealer.....	126.59	
09 91 33 00-0055	GAL		Coal Tar Epoxy .....	90.72	
09 91 33 00-0056	GAL		Swimming Pool Enamel, 350 SF Per Gallon .....	113.23	
09 91 33 00-0057	GAL		Swimming Pool Epoxy Or Urethane Base .....	147.69	
09 91 33 00-0058	GAL		Swimming Pool Rubber Base .....	101.27	
09 91 33 00-0059	GAL		Interior, Latex Flat Paint, 300 SF Per Gallon .....	64.35	
09 91 33 00-0060	GAL		Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon .....	79.30	
09 91 33 00-0061	GAL		Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon .....	131.87	

**09 Finishes****09 90 Painting and Coating****09 91 Painting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon .....	44.66
09 91 33 00-0063	GAL	Linseed Oil.....	39.03
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon .....	64.00
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon.....	72.09
09 91 33 00-0066	GAL	Textured Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon.....	65.93
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish .....	52.98

**09 91 33 00-0068 Stain, Varnish (09 91 33)**

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon.....	36.57
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon.....	68.22
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon.....	60.83
09 91 33 00-0072	GAL	Varnish, Clear.....	43.29
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain .....	31.45
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain .....	28.10
09 91 33 00-0075	GAL	Polyurethane.....	49.34
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss .....	64.19
09 91 33 00-0077	GAL	Shellac, Clear .....	84.21
09 91 33 00-0078	GAL	Acetone.....	27.78
09 91 33 00-0079	GAL	Paint Thinner .....	6.86
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner .....	28.13
09 91 33 00-0081	GAL	Turpentine.....	38.68
09 91 33 00-0082	GAL	Wood Filler Paste .....	66.11
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon .....	52.75
09 91 33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153).....	105.56

**09 91 43 Surface Preparation (09 91)**

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

**09 92 Factory Finish (09 90)****09 92 00 00-0001 Factory Finished Doors (09 92)**

09 92 00 00-0002	EA	Factory Finish Steel Door, One Face, Prime And 2 Coats Paint.....	146.37
09 92 00 00-0003	EA	Factory Finish Steel Door, Both Faces, Prime And 2 Coats Paint .....	261.76
09 92 00 00-0004	EA	Factory Finish Wood/Fiberglass Door, One Face, Prime And 2 Coats Paint.....	116.71
09 92 00 00-0005	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Prime And 2 Coats Paint.....	208.24
09 92 00 00-0006	EA	Factory Finish Wood/Fiberglass Door, One Face, Two Coats Stain And One Coat Polyurethane .....	73.27
09 92 00 00-0007	EA	Factory Finish Wood/Fiberglass Door, Both Faces, Two Coats Stain And One Coat Polyurethane.....	135.56
09 92 00 00-0008	EA	Factory Finish Wood Door, One Face, One Coat Shellac, Varnish Or Polyurethane .....	26.39
09 92 00 00-0009	EA	Factory Finish Wood Door, Both Faces, One Coat Shellac, Varnish Or Polyurethane .....	47.31

**09 93 Staining and Transparent Finishing (09 90)**

Note: Includes light sanding or screening between coats.

**09 93 13 Exterior Staining and Finishing (09 93)****09 93 13 53 Exterior Finishing (09 93 13)****09 93 13 53-0001 Stain Sealer (09 93 13 53)**

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work.....	1.19
		<i>For Ceiling Work, Add</i>	0.16
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.07
		<i>For &gt;20,000, Deduct</i>	-0.10
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work .....	0.95
		<i>For Ceiling Work, Add</i>	0.12
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.03
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.05
		<i>For &gt;20,000, Deduct</i>	-0.08
09 93 13 53-0004	SF	Stain Sealer, Sprayed.....	0.36
		<i>For Ceiling Work, Add</i>	0.04
		<i>For &gt;5,000 To 10,000, Deduct</i>	-0.01
		<i>For &gt;10,000 To 20,000, Deduct</i>	-0.02
		<i>For &gt;20,000, Deduct</i>	-0.04

**09 93 23 Interior Staining and Finishing (09 93)**

Note: VOC compliant in all regulated areas, review specifications for levels.

**09 93 23 13 Interior Staining (09 93 23)****09 93 23 13-0001 Stain Wood Trim (09 93 23 13)**

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off.....	1.45
		<i>For Up To 100, Add</i>	1.04
		<i>For &gt;100 To 250, Add</i>	0.49
		<i>For &gt;250 To 500, Add</i>	0.21
		<i>For &gt;4,000, Deduct</i>	-0.07
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off.....	2.15
		<i>For Up To 100, Add</i>	1.53
		<i>For &gt;100 To 250, Add</i>	0.72
		<i>For &gt;250 To 500, Add</i>	0.31
		<i>For &gt;4,000, Deduct</i>	-0.11

**09 93 23 13-0004 Stain Wood Floor (09 93 23 13)**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
					UNIT COST	UNIT COST
	09 93 23 13-0005	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work.....	0.67	
				<i>For Up To 100, Add</i>	0.42	
				<i>For &gt;100 To 250, Add</i>	0.20	
				<i>For &gt;250 To 500, Add</i>	0.09	
				<i>For &gt;4,000, Deduct</i>	-0.03	
	09 93 23 13-0006	SF		Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work .....	0.50	
				<i>For Up To 100, Add</i>	0.29	
				<i>For &gt;100 To 250, Add</i>	0.14	
				<i>For &gt;250 To 500, Add</i>	0.06	
				<i>For &gt;4,000, Deduct</i>	-0.03	
	<b>09 93 23 13-0007</b>			<b>Stain Wood Door And Window</b> (09 93 23 13)		
	09 93 23 13-0008	EA		Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face).....	70.17	
				<i>For Up To 4, Add</i>	51.31	
				<i>For &gt;4 To 10, Add</i>	24.01	
				<i>For &gt;10 To 20, Add</i>	10.31	
				<i>For &gt;160, Deduct</i>	-3.51	
	09 93 23 13-0009	EA		Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face).....	49.81	
				<i>For Up To 4, Add</i>	35.42	
				<i>For &gt;4 To 10, Add</i>	16.63	
				<i>For &gt;10 To 20, Add</i>	7.15	
				<i>For &gt;160, Deduct</i>	-2.49	
	<b>09 93 23 13-0010</b>			<b>Stain Wood Cabinet</b> (09 93 23 13)		
	09 93 23 13-0011	SF		Stain Cabinet, 1 Coat Stain With Brush And Wipe.....	1.75	
	<b>09 93 23 53</b>			<b>Interior Finishing</b> (09 93 23)		
	<b>09 93 23 53-0001</b>			<b>Concrete Finishes</b> (09 93 23 53)		
	09 93 23 53-0002	SF		Finish Concrete Floor, 1 Coat Polyurethane.....	1.01	
				<i>For Up To 100, Add</i>	0.62	
				<i>For &gt;100 To 250, Add</i>	0.30	
				<i>For &gt;250 To 500, Add</i>	0.13	
				<i>For &gt;4,000, Deduct</i>	-0.05	
	<b>09 93 23 53-0003</b>			<b>Wood Trim Finishes</b> (09 93 23 53)		
	09 93 23 53-0004	SF		Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane.....	1.76	
				<i>For Up To 100, Add</i>	1.18	
				<i>For &gt;100 To 250, Add</i>	0.56	
				<i>For &gt;250 To 500, Add</i>	0.24	
				<i>For &gt;4,000, Deduct</i>	-0.09	
	09 93 23 53-0005	SF		Finish Wood Trim, 1 Coat Varnish Or Polyurethane.....	1.17	
				<i>For Up To 100, Add</i>	0.82	
				<i>For &gt;100 To 250, Add</i>	0.38	
				<i>For &gt;250 To 500, Add</i>	0.17	
				<i>For &gt;4,000, Deduct</i>	-0.06	
	<b>09 93 23 53-0006</b>			<b>Wood Floor Finishes</b> (09 93 23 53)		
	09 93 23 53-0007	SF		Refinish Wood Floor, 2 Coats Polyurethane.....	3.82	
				Note: Includes sanding existing floor.		
				<i>For Up To 100, Add</i>	2.72	
				<i>For &gt;100 To 250, Add</i>	1.28	
				<i>For &gt;250 To 500, Add</i>	0.55	
				<i>For &gt;4,000, Deduct</i>	-0.19	
	09 93 23 53-0008	SF		Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work.....	0.88	
				Note: Includes screening between coats.		
				<i>For Up To 100, Add</i>	0.59	
				<i>For &gt;100 To 250, Add</i>	0.28	
				<i>For &gt;250 To 500, Add</i>	0.12	
				<i>For &gt;4,000, Deduct</i>	-0.04	
	09 93 23 53-0009	SF		Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane.....	4.37	
				Note: Includes sanding existing floor.		
				<i>For Up To 100, Add</i>	3.07	
				<i>For &gt;100 To 250, Add</i>	1.44	
				<i>For &gt;250 To 500, Add</i>	0.62	
				<i>For &gt;4,000, Deduct</i>	-0.22	
	<b>09 93 23 53-0010</b>			<b>Wood Door And Window Finishes</b> (09 93 23 53)		
				See CSI section 08 14 16 00-0659 for factory finish.		
	09 93 23 53-0011	EA		Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face) .....	50.66	
				<i>For Up To 4, Add</i>	36.96	
				<i>For &gt;4 To 10, Add</i>	17.30	
				<i>For &gt;10 To 20, Add</i>	7.43	
				<i>For &gt;160, Deduct</i>	-2.53	
	09 93 23 53-0012	EA		Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face) .....	153.42	
				<i>For Up To 4, Add</i>	110.28	
				<i>For &gt;4 To 10, Add</i>	51.70	
				<i>For &gt;10 To 20, Add</i>	22.22	
				<i>For &gt;160, Deduct</i>	-7.67	
	<b>09 93 23 53-0013</b>			<b>Cabinet Finishes</b> (09 93 23 53)		

**09 Finishes**

**09 90 Painting and Coating**

**09 93 Staining and Transparent Finishing**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

09 93 23 53-0014 SF Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane..... 1.76

**09 93 23 53-0015 Gym, Stage And Dance Floor Finishes (09 93 23 53)**

09 93 23 53-0016 SF Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor ..... 1.16  
Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.

09 93 23 53-0017 SF Finish New Elementary School Wood Gym, Stage Or Dance Floor ..... 5.06  
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.

*For Stage Or Dance Floors, Deduct* ..... -0.10

09 93 23 53-0018 SF Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor ..... 5.17  
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.

*For Stage Or Dance Floors, Deduct* ..... -0.10

09 93 23 53-0019 SF Finish New High School Wood Gym, Stage Or Dance Floor ..... 5.27  
Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.

*For Stage Or Dance Floors, Deduct* ..... -0.11

09 93 23 53-0020 SF Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor..... 5.06  
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.

*For Stage Or Dance Floors, Deduct* ..... -0.10

09 93 23 53-0021 SF Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor..... 5.17  
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.

*For Stage Or Dance Floors, Deduct* ..... -0.10

09 93 23 53-0022 SF Refinish Existing High School Wood Gym, Stage Or Dance Floor ..... 5.27  
Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.

*For Stage Or Dance Floors, Deduct* ..... -0.11

**09 96 High-Performance Coatings (09 90)**

**09 96 23 Graffiti-Resistant Coatings (09 96)**

**09 96 23 00-0001 Anti-Graffiti Coating (09 96 23)**

09 96 23 00-0002 SF Sacrificial Anti-Graffiti Coating, Per Coat..... 1.78

*For Up To 100, Add* ..... 1.09

*For >100 To 250, Add* ..... 0.52

*For >250 To 500, Add* ..... 0.23

09 96 23 00-0003 SF Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat..... 1.88

*For Up To 100, Add* ..... 1.10

*For >100 To 250, Add* ..... 0.53

*For >250 To 500, Add* ..... 0.23

**09 96 53 Elastomeric Coatings (09 96)**

**09 96 53 00-0001 Elastomeric Painting (09 96 53)**

Note: Per coat.

09 96 53 00-0002 SF 1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Walls And Floors..... 1.08

*For Work >15' To 20' Above Floor, Add* ..... 0.13

Note: Applied only to work area above 15' to 20'.

*For Work >20' To 30' Above Floor, Add* ..... 0.22

Note: Applied only to work area above 20' to 30'.

*For Work >30' To 40' Above Floor, Add* ..... 0.36

Note: Applied only to work area above 30' to 40'.

*For Work >40' Above Floor, Add* ..... 0.49

Note: Applied only to work area above 40'.

*For Up To 100, Add* ..... 0.70

*For >100 To 250, Add* ..... 0.33

*For >250 To 500, Add* ..... 0.14

*For >2,500 To 5,000, Deduct* ..... -0.05

*For >5,000 To 10,000, Deduct* ..... -0.11

*For >10,000 To 20,000, Deduct* ..... -0.16

*For >20,000, Deduct* ..... -0.22

09 96 53 00-0003 SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Walls And Floors ..... 0.91

*For Work >15' To 20' Above Floor, Add* ..... 0.11

Note: Applied only to work area above 15' to 20'.

*For Work >20' To 30' Above Floor, Add* ..... 0.19

Note: Applied only to work area above 20' to 30'.

*For Work >30' To 40' Above Floor, Add* ..... 0.30

Note: Applied only to work area above 30' to 40'.

*For Work >40' Above Floor, Add* ..... 0.41

Note: Applied only to work area above 40'.

*For Up To 100, Add* ..... 0.58

*For >100 To 250, Add* ..... 0.28

*For >250 To 500, Add* ..... 0.12

*For >2,500 To 5,000, Deduct* ..... -0.05

*For >5,000 To 10,000, Deduct* ..... -0.09

*For >10,000 To 20,000, Deduct* ..... -0.14

*For >20,000, Deduct* ..... -0.18

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0004	SF			1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Walls And Floors.....	0.88	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.10	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.16	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.26	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.35	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.52	
				<i>For &gt;100 To 250, Add</i>	0.25	
				<i>For &gt;250 To 500, Add</i>	0.11	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.04	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.09	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.13	
				<i>For &gt;20,000, Deduct</i>	-0.18	
09 96 53 00-0005	SF			1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Walls And Floors.....	2.22	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.26	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.58	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.96	
				<i>For &gt;100 To 250, Add</i>	0.48	
				<i>For &gt;250 To 500, Add</i>	0.22	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.11	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.22	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.33	
				<i>For &gt;20,000, Deduct</i>	-0.44	
09 96 53 00-0006	SF			1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Walls And Floors .....	2.05	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.13	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.22	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.35	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.48	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.84	
				<i>For &gt;100 To 250, Add</i>	0.43	
				<i>For &gt;250 To 500, Add</i>	0.19	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.10	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.21	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.31	
				<i>For &gt;20,000, Deduct</i>	-0.41	
09 96 53 00-0007	SF			1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Walls And Floors .....	2.32	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.11	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.19	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.30	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.41	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.80	
				<i>For &gt;100 To 250, Add</i>	0.42	
				<i>For &gt;250 To 500, Add</i>	0.19	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.12	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.23	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.35	
				<i>For &gt;20,000, Deduct</i>	-0.46	
09 96 53 00-0008	SF			1 Coat, 5.3 To 8 Wet Mils, Brush Work, Elastomeric Primer Applied To Ceilings And Overhead.....	1.23	
				<i>For Work &gt;15' To 20' Above Floor, Add</i>	0.16	
				<i>Note: Applied only to work area above 15' to 20'.</i>		
				<i>For Work &gt;20' To 30' Above Floor, Add</i>	0.26	
				<i>Note: Applied only to work area above 20' to 30'.</i>		
				<i>For Work &gt;30' To 40' Above Floor, Add</i>	0.42	
				<i>Note: Applied only to work area above 30' to 40'.</i>		
				<i>For Work &gt;40' Above Floor, Add</i>	0.57	
				<i>Note: Applied only to work area above 40'.</i>		
				<i>For Up To 100, Add</i>	0.81	
				<i>For &gt;100 To 250, Add</i>	0.38	
				<i>For &gt;250 To 500, Add</i>	0.17	
				<i>For &gt;2,500 To 5,000, Deduct</i>	-0.06	
				<i>For &gt;5,000 To 10,000, Deduct</i>	-0.12	
				<i>For &gt;10,000 To 20,000, Deduct</i>	-0.18	
				<i>For &gt;20,000, Deduct</i>	-0.25	



**09 Finishes**

**09 90 Painting and Coating**

**09 96 High-Performance Coatings**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
09 96 53 00-0009	SF 1 Coat, 5.3 To 8 Wet Mils, Brush/Roller Work, Elastomeric Primer Applied To Ceilings And Overhead ..... 1.04		
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.68	
	For >100 To 250, Add	0.32	
	For >250 To 500, Add	0.14	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.16	
	For >20,000, Deduct	-0.21	
09 96 53 00-0010	SF 1 Coat, 5.3 To 8 Wet Mils, Sprayed, Elastomeric Primer Applied To Ceilings And Overhead ..... 0.98		
	For Work >15' To 20' Above Floor, Add	0.11	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.19	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.30	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.41	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.59	
	For >100 To 250, Add	0.28	
	For >250 To 500, Add	0.12	
	For >2,500 To 5,000, Deduct	-0.05	
	For >5,000 To 10,000, Deduct	-0.10	
	For >10,000 To 20,000, Deduct	-0.15	
	For >20,000, Deduct	-0.20	
09 96 53 00-0011	SF 1 Coat, 13 To 16 Wet Mils, Brush Work, Elastomeric Paint Applied To Ceilings And Overhead ..... 2.39		
	For Work >15' To 20' Above Floor, Add	0.18	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.31	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.49	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.67	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	1.09	
	For >100 To 250, Add	0.54	
	For >250 To 500, Add	0.24	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.36	
	For >20,000, Deduct	-0.48	
09 96 53 00-0012	SF 1 Coat, 13 To 16 Wet Mils, Brush/Roller Work, Elastomeric Paint Applied To Ceilings And Overhead ..... 2.19		
	For Work >15' To 20' Above Floor, Add	0.15	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.26	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.41	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.56	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.94	
	For >100 To 250, Add	0.47	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.11	
	For >5,000 To 10,000, Deduct	-0.22	
	For >10,000 To 20,000, Deduct	-0.33	
	For >20,000, Deduct	-0.44	
09 96 53 00-0013	SF 1 Coat, 13 To 16 Wet Mils, Sprayed, Elastomeric Paint Applied To Ceilings And Overhead ..... 2.44		
	For Work >15' To 20' Above Floor, Add	0.13	
	Note: Applied only to work area above 15' to 20'.		
	For Work >20' To 30' Above Floor, Add	0.22	
	Note: Applied only to work area above 20' to 30'.		
	For Work >30' To 40' Above Floor, Add	0.35	
	Note: Applied only to work area above 30' to 40'.		
	For Work >40' Above Floor, Add	0.48	
	Note: Applied only to work area above 40'.		
	For Up To 100, Add	0.89	
	For >100 To 250, Add	0.46	
	For >250 To 500, Add	0.21	
	For >2,500 To 5,000, Deduct	-0.12	
	For >5,000 To 10,000, Deduct	-0.24	
	For >10,000 To 20,000, Deduct	-0.37	
	For >20,000, Deduct	-0.49	

**09 96 56 Epoxy Coatings (09 96)**

**09 96 56 00-0001 High Build Epoxy (09 96 56)**

09 96 56 00-0002	SF 50 Mil, High Build Epoxy ..... 3.52
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**09 96 56 00-0003 Laminated Epoxy With Fiberglass (09 96 56)**

09 96 56 00-0004	SF Laminated Epoxy With Fiberglass ..... 7.33
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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**09 96 66 Aggregate Wall Coatings (09 96)**

09 96 66 00-0001	Troweled On (09 96 66)		
09 96 66 00-0002	SF Exposed Aggregate - 1/16" To 1/4" - Troweled On.....		5.16
09 96 66 00-0003	SF Exposed Aggregate - 1/2" To 5/8" Troweled On.....		9.28
09 96 66 00-0004	SF Exposed Aggregate - 1" Troweled On.....		13.79
09 96 66 00-0005	Sprayed On (09 96 66)		
09 96 66 00-0006	SF Exposed Aggregate - 1/8" - Sprayed On.....		4.20

**09 97 Special Coatings (09 90)**

**09 97 26 Cementitious Coatings (09 97)**

**09 97 26 13 Interior Cementitious Coatings (09 97 26)**

09 97 26 13-0001	Ceramic-Like Glazed Coating (09 97 26 13)		
09 97 26 13-0002	Ceramic-Like Glazed Coating, Cementitious (09 97 26 13-0001)		
09 97 26 13-0003	SF Ceramic-like Glazed Coating - Cementitious.....		3.06
09 97 26 13-0004	Ceramic-Like Glazed Coating, Resin Base (09 97 26 13-0001)		
09 97 26 13-0005	SF Ceramic-like Glazed Coating - Resin.....		2.63

**09 97 35 Dry Erase Coatings (09 97)**

09 97 35 00-0001	Dry-Erase Paint (09 97 35)		
09 97 35 00-0002	Dry-Erase Paint (IdeaPaint™ PRO) (09 97 35 00-0001)		
09 97 35 00-0003	SF Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller..... Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		13.68
09 97 35 00-0004	Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) (09 97 35 00-0001)		
09 97 35 00-0005	SF Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller..... Note: For application over existing latex-based top coats.		7.41
09 97 35 00-0006	SF Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller..... Note: Includes two coats of primer and white or black surface coat.		14.59

**09 97 63 Special Coatings and Protection Systems (09 97)**

09 97 63 00-0001	Acrylic Glazed Coating (09 97 63)		
09 97 63 00-0002	SF Acrylic Glazed Coating.....		2.06
09 97 63 00-0003	VanHearron Sealers And Cleaners (09 97 63)		
09 97 63 00-0004	SF Vertical Or Horizontal Exterior Above Grade Tile And Stone Sealer (VanHearron Top Tile).....		0.59
09 97 63 00-0005	SF Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Water Repellent (VanHearron Solo Seal).....		0.54
09 97 63 00-0006	SF Chemical Hardener, Densifier, Soluble Chloride Reducer For Cementitious Materials (VanHearron Deep Seal).....		0.52
09 97 63 00-0007	SF Vertical Or Horizontal Exterior Above Grade Masonry Or Wood Grout Sealer/Densifier And Stain Inhibitor (VanHearron Top Grout).....		0.50
09 97 63 00-0008	SF Self Sealing Mix For Grout And Mortar - Material Only (VanHearron Grout Once!).....		0.38
09 97 63 00-0009	SF Water, Oil And Graffiti Resistant Treatment For Concrete, Porous Tile, Cast Stone, Paving, Sandstone, Limestone, Brick, Grout And Some Natural Stones (VanHearron Stain Guard 5000).....		1.79
09 97 63 00-0010	SF Stone Enhancer And Sealant (VanHearron Inhance).....		1.61
09 97 63 00-0011	SF Low Effort Cleaner/Degreaser (VanHearron Mighty Indigo).....		0.52
09 97 63 00-0012	SF Safe Restoration Cleaner (VanHearron Efflorescence Remover).....		0.70
09 97 63 00-0013	SF Cleaner (VanHearron Mold And Mildew Remover).....		0.52
09 97 63 00-0014	SF Wood Restore (VanHearron Grey No More).....		0.52
09 97 63 00-0015	SF Safe Masonry Detergent (VanHearron Brick Wash).....		0.70

**END OF SECTION 09**

**09 Finishes**

09 90 Painting and Coating

09 97 Special Coatings



WE FINANCE, BUILD AND DELIVER.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 10 Specialties

### 10 01 Operation and Maintenance of Specialties <sup>(10)</sup>

#### 10 01 40 Operation and Maintenance of Safety Specialties <sup>(10 01)</sup>

10 01 40 00-0001	Recharge Existing Portable Fire Extinguishers <sup>(10 01 40)</sup>		
	Note: Includes removal, filling, testing, certification and reinstallation.		
10 01 40 00-0002	Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0003	EA Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher .....	18.32	
10 01 40 00-0004	EA Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher .....	20.36	
10 01 40 00-0005	EA Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher .....	21.17	
10 01 40 00-0006	EA Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher .....	23.97	
10 01 40 00-0007	EA Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher .....	27.69	
10 01 40 00-0008	Recharge Dry Chemical, Class ABC Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0009	EA Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher .....	22.11	
10 01 40 00-0010	EA Recharge 5 LB Dry Chemical Portable Fire Extinguisher .....	26.76	
10 01 40 00-0011	EA Recharge 10 LB Dry Chemical Portable Fire Extinguisher .....	37.81	
10 01 40 00-0012	EA Recharge 20 LB Dry Chemical Portable Fire Extinguisher .....	59.68	
10 01 40 00-0013	Recharge Other Portable Fire Extinguishers <sup>(10 01 40 00-0001)</sup>		
10 01 40 00-0014	EA Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher .....	21.87	
10 01 40 00-0015	EA Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher .....	155.90	
10 01 40 00-0016	EA Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher .....	218.26	
10 01 40 00-0017	EA Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher .....	89.86	

#### 10 01 50 Operation and Maintenance of Storage Specialties <sup>(10 01)</sup>

##### 10 01 50 11 Operation and Maintenance of Storage Specialties <sup>(10 01 50)</sup>

10 01 50 11-0001	Locker Repair And Refinishing <sup>(10 01 50 11)</sup>		
10 01 50 11-0002	EA Removal And Replacement Of Single Tier Locker Door .....	397.25	
10 01 50 11-0003	EA Removal And Replacement Of Two Tier Locker Door .....	312.74	
10 01 50 11-0004	EA Removal And Replacement Of Three Tier Locker Door .....	269.00	
10 01 50 11-0005	EA Removal And Replacement Of Four Tier Locker Door .....	227.82	
10 01 50 11-0006	EA Removal And Replacement Of Six Tier Or Sixteen Person Locker Door .....	130.68	
10 01 50 11-0007	EA Realign Metal Locker Door For Proper Closure .....	61.64	
10 01 50 11-0008	EA Patch Small Drill Holes In Locker .....	12.33	

## 10 10 Information Specialties <sup>(10)</sup>

### 10 11 Visual Display Units <sup>(10 10)</sup>

#### 10 11 13 Chalkboards <sup>(10 11)</sup>

##### 10 11 13 13 Fixed Chalkboards <sup>(10 11 13)</sup>

Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001	Porcelain Enamel Steel Chalkboards <sup>(10 11 13 13)</sup>		
10 11 13 13-0002	5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) <sup>(10 11 13 13-0001)</sup>		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	54.65	11.63
10 11 13 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	34.26	5.47
10 11 13 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	29.61	4.72
10 11 13 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	24.28	3.08
10 11 13 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	20.01	1.71
10 11 13 13-0008	1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) <sup>(10 11 13 13-0001)</sup>		
	Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.		
10 11 13 13-0009	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	57.56	11.63
10 11 13 13-0010	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	37.10	5.47
10 11 13 13-0011	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	32.23	4.72
10 11 13 13-0012	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	27.45	3.08
10 11 13 13-0013	SF >24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard .....	23.12	1.71
10 11 13 13-0014	1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series) <sup>(10 11 13 13-0001)</sup>		
	Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard .....	52.85	11.63

**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 11 13 13-0016	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	32.42	5.47
10 11 13 13-0017	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	27.86	4.72
10 11 13 13-0018	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	22.81	3.08
10 11 13 13-0019	SF >24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard.....	18.37	1.71
<b>10 11 13 13-0020</b>	<b>Field Applied Chalkboard And Accessories</b> <small>(10 11 13 13)</small>		
<b>10 11 13 13-0021</b>	<b>Chalkboard Face Sheets And Panels</b> <small>(10 11 13 13-0020)</small>		
10 11 13 13-0022	SF Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)..... Note: Includes porcelain enamel steel chalkboard skin.	18.63	5.47
10 11 13 13-0023	SF Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)..... Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.	21.87	5.47
<b>10 11 13 13-0024</b>	<b>Chalkboard And Markerboard Accessory Trays And Trim</b> <small>(10 11 13 13-0020)</small>		
10 11 13 13-0025	LF Chalk And Marker Tray, Field Applied.....	27.11	7.52
10 11 13 13-0026	PR Chalk And Marker Tray End Closures, Field Applied.....	35.28	13.68
10 11 13 13-0027	LF Mullion Trim For Chalkboards And Markerboards, Field Applied.....	19.96	7.52
10 11 13 13-0028	LF Screw On Trim For Chalkboards And Markerboards, Field Applied.....	19.57	7.52
10 11 13 13-0029	LF 1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	20.67	7.52
10 11 13 13-0030	LF 1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	22.76	7.52
10 11 13 13-0031	LF No Leg Map Rail For Chalkboards And Markerboards, Field Applied.....	20.67	7.52
<b>10 11 13 13-0032</b>	<b>Removal And Reinstallation Of Chalkboards</b> <small>(10 11 13 13)</small>		
	Note: Includes storage and cleaning.		
10 11 13 13-0033	SF Removal And Reinstallation Of Chalkboard.....	14.20	
<b>10 11 13 33</b>	<b>Rail-Mounted Chalkboards</b> <small>(10 11 13)</small>		
<b>10 11 13 33-0001</b>	<b>Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series)</b> <small>(10 11 13 33)</small>		
<b>10 11 13 33-0002</b>	<b>Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0003	EA 4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,376.93	136.75
10 11 13 33-0004	EA 4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	2,662.77	136.75
10 11 13 33-0005	EA 4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,012.65	145.64
10 11 13 33-0006	EA 4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,344.77	145.64
10 11 13 33-0007	EA 4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,159.21	156.58
10 11 13 33-0008	EA 4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,424.12	156.58
10 11 13 33-0009	EA 4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,994.31	164.10
10 11 13 33-0010	EA 4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,651.92	164.10
<b>10 11 13 33-0011</b>	<b>Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0012	EA 4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,229.56	136.75
10 11 13 33-0013	EA 4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,821.64	136.75
10 11 13 33-0014	EA 4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,369.81	145.64
10 11 13 33-0015	EA 4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,913.43	145.64
10 11 13 33-0016	EA 4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,597.88	156.58
10 11 13 33-0017	EA 4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,837.46	156.58
10 11 13 33-0018	EA 4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,838.38	164.10
10 11 13 33-0019	EA 4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,638.09	164.10
<b>10 11 13 33-0020</b>	<b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0001)</small>		
10 11 13 33-0021	EA 4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	3,593.09	136.75
10 11 13 33-0022	EA 4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,077.21	136.75
10 11 13 33-0023	EA 4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	4,604.45	145.64
10 11 13 33-0024	EA 4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	5,160.19	145.64
10 11 13 33-0025	EA 4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,241.21	156.58
10 11 13 33-0026	EA 4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	6,496.21	156.58
10 11 13 33-0027	EA 4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	7,663.47	164.10
10 11 13 33-0028	EA 4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard.....	8,548.62	164.10
<b>10 11 13 33-0029</b>	<b>Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)</b> <small>(10 11 13 33)</small>		
<b>10 11 13 33-0030</b>	<b>One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0031	EA 8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	2,831.31	136.75
10 11 13 33-0032	EA 8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,119.36	136.75
10 11 13 33-0033	EA 8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,409.75	145.64
10 11 13 33-0034	EA 8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	3,909.84	145.64
10 11 13 33-0035	EA 8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,281.97	156.58
10 11 13 33-0036	EA 8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,743.49	156.58

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 11 13 33-0037</b>	<b>Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0038	EA 8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,128.90	136.75
10 11 13 33-0039	EA 8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	4,576.10	136.75
10 11 13 33-0040	EA 8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,027.85	145.64
10 11 13 33-0041	EA 8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,850.66	145.64
10 11 13 33-0042	EA 8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,367.06	156.58
10 11 13 33-0043	EA 8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,113.85	156.58

<b>10 11 13 33-0044</b>	<b>Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0029)</small>		
10 11 13 33-0045	EA 8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	5,619.26	136.75
10 11 13 33-0046	EA 8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,228.93	136.75
10 11 13 33-0047	EA 8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	6,843.14	145.64
10 11 13 33-0048	EA 8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	7,987.57	145.64
10 11 13 33-0049	EA 8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	8,661.45	156.58
10 11 13 33-0050	EA 8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,713.34	156.58

**10 11 13 33-0051** **Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series)** (10 11 13 33)  
 Note: Excludes remotes.

<b>10 11 13 33-0052</b>	<b>One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards</b> <small>(10 11 13 33-0051)</small>		
10 11 13 33-0053	EA 10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,034.09	273.51
10 11 13 33-0054	EA 10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,289.22	273.51
10 11 13 33-0055	EA 10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	9,576.87	282.05
10 11 13 33-0056	EA 10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,044.16	282.05
10 11 13 33-0057	EA 10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	10,563.80	290.60
10 11 13 33-0058	EA 10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	11,014.57	290.60
10 11 13 33-0059	EA 10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,001.85	307.68
10 11 13 33-0060	EA 10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	12,126.55	307.68

**10 11 13 33-0061** **Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** (10 11 13 33-0051)

10 11 13 33-0062	EA 10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,152.52	273.51
10 11 13 33-0063	EA 10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,489.82	273.51
10 11 13 33-0064	EA 10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	14,869.57	282.05
10 11 13 33-0065	EA 10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	15,556.30	282.05
10 11 13 33-0066	EA 10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,242.50	290.60
10 11 13 33-0067	EA 10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	16,895.08	290.60
10 11 13 33-0068	EA 10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,226.28	307.68
10 11 13 33-0069	EA 10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,423.90	307.68

**10 11 13 33-0070** **Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards** (10 11 13 33-0051)

10 11 13 33-0071	EA 10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	18,355.52	273.51
10 11 13 33-0072	EA 10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,206.83	273.51
10 11 13 33-0073	EA 10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	19,661.04	282.05
10 11 13 33-0074	EA 10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	20,553.99	282.05
10 11 13 33-0075	EA 10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	21,495.98	290.60
10 11 13 33-0076	EA 10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	22,398.84	290.60
10 11 13 33-0077	EA 10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,186.32	307.68
10 11 13 33-0078	EA 10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard.....	24,533.98	307.68

**10 11 13 33-0079** **Sliding Chalkboard And Markerboard Accessories** (10 11 13 33)

10 11 13 33-0080	EA One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	673.53	
10 11 13 33-0081	EA Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard.....	1,148.32	

**10 11 16** **Markerboards** (10 11)

**10 11 16 13** **Fixed Markerboards** (10 11 16)

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

**10 11 16 13-0001** **Porcelain Enamel Steel Markerboards** (10 11 16 13)

**10 11 16 13-0002** **5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series)** (10 11 16 13-0001)

Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.

10 11 16 13-0003	SF Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	54.83	11.63
10 11 16 13-0004	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	34.90	5.47
10 11 16 13-0005	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	29.61	4.72
10 11 16 13-0006	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	24.51	3.08
10 11 16 13-0007	SF >24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	19.75	1.71



**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
10 11 16 13-0008		<b>1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.			
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard.....	57.60		11.63
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	35.73		5.47
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	30.85		4.72
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	26.07		3.08
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard .....	22.31		1.71
10 11 16 13-0014		<b>1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series)</b> <small>(10 11 16 13-0001)</small> Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.			
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard .....	52.83		11.63
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard .....	32.43		5.47
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard .....	29.20		4.72
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard .....	22.95		3.08
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard .....	18.06		1.71
10 11 16 13-0020		<b>Melamine Markerboards</b> <small>(10 11 16 13)</small>			
10 11 16 13-0021		<b>1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small> Note: Includes full length map rail, map hooks, marker tray and mounting hardware.			
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard .....	44.36		11.63
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard .....	26.60		5.47
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard .....	23.07		4.72
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard .....	17.17		3.08
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard .....	13.65		1.71
10 11 16 13-0027		<b>1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series)</b> <small>(10 11 16 13-0020)</small> Note: Includes marker tray and mounting hardware.			
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	43.42		11.63
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	26.16		5.47
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	22.45		4.72
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	16.06		3.08
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard .....	12.65		1.71
10 11 16 13-0033		<b>Nonporous, Non-Staining Markerboards</b> <small>(10 11 16 13)</small>			
10 11 16 13-0034		<b>5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	59.60		11.63
		<i>For Magnetic Surface, Add</i>	3.64		
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	38.60		5.47
		<i>For Magnetic Surface, Add</i>	2.77		
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	33.29		4.72
		<i>For Magnetic Surface, Add</i>	2.39		
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	29.07		3.08
		<i>For Magnetic Surface, Add</i>	2.29		
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	24.79		1.71
		<i>For Magnetic Surface, Add</i>	2.14		
10 11 16 13-0040		<b>1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard.....	59.60		11.63
		<i>For Magnetic Surface, Add</i>	3.64		
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	38.60		5.47
		<i>For Magnetic Surface, Add</i>	2.77		
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	33.29		4.72
		<i>For Magnetic Surface, Add</i>	2.39		
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	29.07		3.08
		<i>For Magnetic Surface, Add</i>	2.29		
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard .....	24.79		1.71
		<i>For Magnetic Surface, Add</i>	2.14		
10 11 16 13-0046		<b>1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.			
10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard .....	104.64		11.63
		<i>For Magnetic Surface, Add</i>	8.14		
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard.....	65.66		5.47
		<i>For Magnetic Surface, Add</i>	5.47		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0049	SF		>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	55.52 4.61	4.72
10 11 16 13-0050	SF		>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	46.65 4.05	3.08
10 11 16 13-0051	SF		>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard..... <i>For Magnetic Surface, Add</i>	36.02 3.26	1.71
<b>10 11 16 13-0052</b>			<b>Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels)</b> <small>(10 11 16 13-0033)</small> Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.		
10 11 16 13-0053	SF		Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	26.63	4.72
10 11 16 13-0054	SF		>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	22.45	3.08
10 11 16 13-0055	SF		>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing.....	18.61	1.71
<b>10 11 16 13-0056</b>			<b>Removal And Reinstallation Of Markerboard</b> <small>(10 11 16 13)</small> Note: Includes storage and cleaning.		
10 11 16 13-0057	EA		Up To 6 SF, Removal And Reinstallation Of Markerboard .....	82.05	
10 11 16 13-0058	EA		>6 To 12 SF, Removal And Reinstallation Of Markerboard .....	95.73	
10 11 16 13-0059	EA		>12 To 16 SF, Removal And Reinstallation Of Markerboard .....	109.40	
10 11 16 13-0060	EA		>16 To 24 SF, Removal And Reinstallation Of Markerboard .....	123.08	
10 11 16 13-0061	EA		>24 SF, Removal And Reinstallation Of Markerboard .....	136.75	
<b>10 11 16 13-0062</b>			<b>Field Applied Markerboard And Accessories</b> <small>(10 11 16 13)</small>		
<b>10 11 16 13-0063</b>			<b>Markerboard Face Sheets And Panels</b> <small>(10 11 16 13-0062)</small>		
10 11 16 13-0064	SF		Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) .....	18.37	5.47
10 11 16 13-0065	SF		Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) .....	21.28	5.47
10 11 16 13-0066	SF		Porcelain Enamel Steel Markerboard Panel (Claridge LCS) .....	21.21	5.47
10 11 16 13-0067	SF		Melamine Markerboard Panel (Claridge 1032) .....	13.10	5.47
<b>10 11 16 13-0068</b>			<b>Chalkboard And Markerboard Accessory Trays And Trim</b> <small>(10 11 16 13-0062)</small> See CSI section 10 11 13 13-0024 for chalkboard and markerboard accessory trays and trim.		
<b>10 11 16 33</b>			<b>Rail-Mounted Markerboards</b> <small>(10 11 16)</small>		
<b>10 11 16 33-0001</b>			<b>Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series)</b> <small>(10 11 16 33)</small>		
<b>10 11 16 33-0002</b>			<b>Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0003	EA		4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,348.91	136.75
10 11 16 33-0004	EA		4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,625.40	136.75
10 11 16 33-0005	EA		4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	2,965.94	145.64
10 11 16 33-0006	EA		4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,288.72	145.64
10 11 16 33-0007	EA		4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,093.82	156.58
10 11 16 33-0008	EA		4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,349.39	156.58
10 11 16 33-0009	EA		4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,900.90	164.10
10 11 16 33-0010	EA		4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,539.82	164.10
<b>10 11 16 33-0011</b>			<b>Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0012	EA		4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,201.54	136.75
10 11 16 33-0013	EA		4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,784.28	136.75
10 11 16 33-0014	EA		4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,323.10	145.64
10 11 16 33-0015	EA		4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,857.38	145.64
10 11 16 33-0016	EA		4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,532.49	156.58
10 11 16 33-0017	EA		4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,762.73	156.58
10 11 16 33-0018	EA		4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,744.96	164.10
10 11 16 33-0019	EA		4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	7,525.99	164.10
<b>10 11 16 33-0020</b>			<b>Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards</b> <small>(10 11 16 33-0001)</small>		
10 11 16 33-0021	EA		4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	3,565.06	136.75
10 11 16 33-0022	EA		4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,039.85	136.75
10 11 16 33-0023	EA		4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	4,557.74	145.64
10 11 16 33-0024	EA		4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	5,104.14	145.64
10 11 16 33-0025	EA		4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,175.82	156.58
10 11 16 33-0026	EA		4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	6,421.48	156.58
10 11 16 33-0027	EA		4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	7,570.05	164.10
10 11 16 33-0028	EA		4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard.....	8,464.54	164.10

**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 11 16 33-0029		Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) <small>(10 11 16 33)</small>		
10 11 16 33-0030		One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	2,793.95	136.75
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,072.65	136.75
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,353.70	145.64
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	3,835.11	145.64
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,188.55	156.58
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,631.39	156.58
10 11 16 33-0037		Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,054.17	136.75
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,482.69	136.75
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	4,915.75	145.64
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,701.20	145.64
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,180.23	156.58
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,889.65	156.58
10 11 16 33-0044		Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0029)</small>		
10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	5,507.16	136.75
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,088.80	136.75
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	6,674.99	145.64
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	7,763.37	145.64
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,381.21	156.58
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,377.04	156.58
10 11 16 33-0051		Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) <small>(10 11 16 33)</small>		
		Note: Excludes remotes.		
10 11 16 33-0052		One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	8,987.38	273.51
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,230.83	273.51
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,506.81	282.05
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	9,950.75	282.05
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,447.03	290.60
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	10,874.45	290.60
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,838.38	307.68
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	11,939.73	307.68
10 11 16 33-0061		Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,059.10	273.51
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,373.06	273.51
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	14,729.45	282.05
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	15,369.47	282.05
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,008.96	290.60
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	16,614.83	290.60
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	17,899.33	307.68
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	18,050.24	307.68
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards <small>(10 11 16 33-0051)</small>		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	18,215.40	273.51
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	19,031.68	273.51
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	19,450.86	282.05
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	20,273.75	282.05
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	21,145.67	290.60
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	21,978.47	290.60
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	23,695.89	307.68
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard.....	23,973.49	307.68
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories <small>(10 11 16 33)</small>		
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		<b>Tackboards</b> <small>(10 11)</small>		
10 11 23 13		<b>Fixed Tackboards</b> <small>(10 11 23)</small>		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 11 23 13-0001	<b>Fixed Tackboards</b> (10 11 23 13)		
	Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002	<b>Cork Surface, Fixed Tackboards</b> (10 11 23 13-0001)		
	Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003	<b>5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series)</b> (10 11 23 13-0002)		
10 11 23 13-0004	SF Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	38.03	11.63
10 11 23 13-0005	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	21.22	5.47
10 11 23 13-0006	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	18.39	4.72
10 11 23 13-0007	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	14.41	3.08
10 11 23 13-0008	SF >24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	11.48	1.71
10 11 23 13-0009	<b>1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series)</b> (10 11 23 13-0002)		
10 11 23 13-0010	SF Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	39.77	11.63
10 11 23 13-0011	SF >6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	22.03	5.47
10 11 23 13-0012	SF >12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	17.98	4.72
10 11 23 13-0013	SF >16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	13.77	3.08
10 11 23 13-0014	SF >24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard.....	10.47	1.71
10 11 23 13-0015	<b>1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series)</b> (10 11 23 13-0002)		
10 11 23 13-0016	SF Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	39.96	11.63
10 11 23 13-0017	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	23.73	5.47
10 11 23 13-0018	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	21.83	4.72
10 11 23 13-0019	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	16.57	3.08
10 11 23 13-0020	SF >24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard.....	12.82	1.71
10 11 23 13-0021	<b>Burlap Backed Cork Surface, Fixed Tackboards</b> (10 11 23 13-0001)		
	Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022	<b>5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series)</b> (10 11 23 13-0021)		
10 11 23 13-0023	SF Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	43.08	11.63
10 11 23 13-0024	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	27.28	5.47
10 11 23 13-0025	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	24.79	4.72
10 11 23 13-0026	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	20.84	3.08
10 11 23 13-0027	SF >24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	18.02	1.71
10 11 23 13-0028	<b>1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series)</b> (10 11 23 13-0021)		
10 11 23 13-0029	SF Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	47.30	11.63
10 11 23 13-0030	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	31.79	5.47
10 11 23 13-0031	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	29.34	4.72
10 11 23 13-0032	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	24.14	3.08
10 11 23 13-0033	SF >24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard.....	20.43	1.71
10 11 23 13-0034	<b>Polyester Fabric Surface, Fixed Tackboards</b> (10 11 23 13-0001)		
	Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035	<b>5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series)</b> (10 11 23 13-0034)		
10 11 23 13-0036	SF Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	39.22	11.63
10 11 23 13-0037	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	22.69	5.47
10 11 23 13-0038	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	20.04	4.72
10 11 23 13-0039	SF >16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	16.11	3.08
10 11 23 13-0040	SF >24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard.....	12.99	1.71
10 11 23 13-0041	<b>1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series)</b> (10 11 23 13-0034)		
10 11 23 13-0042	SF Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	41.61	11.63
10 11 23 13-0043	SF >6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	25.79	5.47
10 11 23 13-0044	SF >12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	23.76	4.72
10 11 23 13-0045	SF >16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	18.68	3.08
10 11 23 13-0046	SF >24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard.....	15.02	1.71
10 11 23 13-0047	<b>Vinyl Fabric Surface, Fixed Tackboards</b> (10 11 23 13-0001)		
	Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.		
10 11 23 13-0048	<b>5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series)</b> (10 11 23 13-0047)		
10 11 23 13-0049	SF Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	38.03	11.63
10 11 23 13-0050	SF >6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	21.31	5.47
10 11 23 13-0051	SF >12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard.....	18.53	4.72

**10 Specialties****10 10 Information Specialties****10 11 Visual Display Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0052	SF		>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard .....	14.41	3.08
10 11 23 13-0053	SF		>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard .....	11.27	1.71
<b>10 11 23 13-0054</b>			<b>1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) (10 11 23 13-0047)</b>		
10 11 23 13-0055	SF		Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	39.96	11.63
10 11 23 13-0056	SF		>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	24.58	5.47
10 11 23 13-0057	SF		>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	21.83	4.72
10 11 23 13-0058	SF		>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	16.57	3.08
10 11 23 13-0059	SF		4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard .....	12.82	1.71
<b>10 13 Directories</b>					
<b>10 13 11 Directory and Bulletin Boards</b>					
			Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.		
10 13 11 00-0001			<b>Wall Mounted Directories</b> (10 13 11) Note: Includes changeable letters.		
10 13 11 00-0002			<b>Open Face, Wall Mounted Directories</b> (10 13 11 00-0001) Note: Includes vinyl or felt back panel.		
10 13 11 00-0003			<b>Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series)</b> (10 13 11 00-0002)		
10 13 11 00-0004	SF		Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory .....	60.34	11.63
10 13 11 00-0005	SF		>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory .....	38.76	5.47
10 13 11 00-0006	SF		>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory .....	35.14	4.72
10 13 11 00-0007	SF		>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory .....	26.67	3.08
10 13 11 00-0008	SF		>24 SF, Wood Frame, Open Face, Wall Mounted Directory .....	21.05	1.71
10 13 11 00-0009			<b>Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series)</b> (10 13 11 00-0002)		
10 13 11 00-0010	SF		Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	60.89	11.63
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0011	SF		>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	39.12	5.47
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0012	SF		>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	35.88	4.72
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0013	SF		>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	25.47	3.08
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0014	SF		>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory .....	21.60	1.71
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0015			<b>Glass Encased, Wall Mounted Directory Cabinets</b> (10 13 11 00-0001) Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
10 13 11 00-0016			<b>Wood Frame, Glass Encased, Wall Mounted Directory Cabinets</b> (10 13 11 00-0015)		
10 13 11 00-0017			<b>Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series)</b> (10 13 11 00-0016)		
10 13 11 00-0018	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	143.14	11.63
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0019	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	113.48	5.47
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0020	SF		>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	95.09	4.72
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0021	SF		>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	87.62	3.08
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0022	SF		>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	78.88	1.71
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0023			<b>Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series)</b> (10 13 11 00-0016)		
10 13 11 00-0024	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	123.68	11.63
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0025	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	98.15	4.72
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0026	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	70.27	3.08
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0027	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet .....	62.91	1.71
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0028			<b>Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets</b> (10 13 11 00-0015)		
10 13 11 00-0029			<b>Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series)</b> (10 13 11 00-0028)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0030	SF		Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	128.55 15.00 12.00 21.06	11.63
10 13 11 00-0031	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	98.34 15.00 12.00 17.48	5.47
10 13 11 00-0032	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	83.26 15.00 12.00 14.76	4.72
10 13 11 00-0033	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	61.06 15.00 12.00 10.98	3.08
10 13 11 00-0034	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	56.58 15.00 12.00 10.63	1.71
<b>10 13 11 00-0035</b>			<b>Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) (10 13 11 00-0028)</b>		
10 13 11 00-0036	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	195.93 15.00 12.00 34.54	11.63
10 13 11 00-0037	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	113.40 15.00 12.00 20.49	5.47
10 13 11 00-0038	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	95.58 15.00 12.00 17.23	4.72
10 13 11 00-0039	SF		>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	73.49 15.00 12.00 13.47	3.08
10 13 11 00-0040	SF		>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i> <i>For Header Panel, Add</i>	67.60 15.00 12.00 12.84	1.71
<b>10 13 11 00-0041</b>			<b>Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0001)</b> Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0042</b>			<b>Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (10 13 11 00-0041)</b>		
<b>10 13 11 00-0043</b>			<b>Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) (10 13 11 00-0042)</b>		
10 13 11 00-0044	SF		Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	192.53 15.00 12.00	11.63
10 13 11 00-0045	SF		>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	127.81 15.00 12.00	5.47
10 13 11 00-0046	SF		>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet..... <i>For Fluorescent Lights, Add</i> <i>For Bronze Anodize Finish, Add</i>	124.01 15.00 12.00	4.72
<b>10 13 11 00-0047</b>			<b>Wall Mounted Bulletin Boards (10 13 11)</b>		
<b>10 13 11 00-0048</b>			<b>Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0047)</b> Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.		
<b>10 13 11 00-0049</b>			<b>Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (10 13 11 00-0048)</b>		
<b>10 13 11 00-0050</b>			<b>Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) (10 13 11 00-0049)</b>		
10 13 11 00-0051	SF		Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	139.83 15.00	11.63
10 13 11 00-0052	SF		>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	111.00 15.00	5.47
10 13 11 00-0053	SF		>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	92.61 15.00	4.72
10 13 11 00-0054	SF		>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	85.28 15.00	3.08
10 13 11 00-0055	SF		>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet..... <i>For Fluorescent Lights, Add</i>	77.78 15.00	1.71



**10 Specialties**  
**10 10 Information Specialties**  
**10 13 Directories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 13 11 00-0056			<b>Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series)</b> <small>(10 13 11 00-0049)</small>		
10 13 11 00-0057	SF		Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	117.80	11.63
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0058	SF		>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	92.57	4.72
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0059	SF		>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	65.96	3.08
			<i>For Fluorescent Lights, Add</i>	15.00	
10 13 11 00-0060	SF		>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	59.60	1.71
			<i>For Fluorescent Lights, Add</i>	15.00	

**10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets** (10 13 11 00-0048)

10 13 11 00-0062			<b>Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)</b> <small>(10 13 11 00-0061)</small>		
10 13 11 00-0063	SF		Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	131.57	11.63
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	21.66	
10 13 11 00-0064	SF		>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	101.36	5.47
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	18.08	
10 13 11 00-0065	SF		>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	86.28	4.72
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	15.37	
10 13 11 00-0066	SF		>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	64.08	3.08
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	11.59	
10 13 11 00-0067	SF		>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	59.60	1.71
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	11.24	

**10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series)** (10 13 11 00-0061)

10 13 11 00-0069	SF		Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	198.95	11.63
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	35.14	
10 13 11 00-0070	SF		>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	116.42	5.47
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	21.10	
10 13 11 00-0071	SF		>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	98.60	4.72
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	17.83	
10 13 11 00-0072	SF		>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	76.51	3.08
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	14.07	
10 13 11 00-0073	SF		>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	70.62	1.71
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
			<i>For Header Panel, Add</i>	13.44	

**10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets** (10 13 11 00-0047)  
 Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

**10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets** (10 13 11 00-0074)

10 13 11 00-0076			<b>Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets</b> <small>(10 13 11 00-0075)</small>		
10 13 11 00-0077	SF		Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	189.51	11.63
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0078	SF		>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	124.80	5.47
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	
10 13 11 00-0079	SF		>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet.....	121.02	4.72
			<i>For Fluorescent Lights, Add</i>	15.00	
			<i>For Bronze Anodize Finish, Add</i>	12.00	

**10 14 Signage** (10 10)

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0010 for electrical connection wiring, 26 05 83 00-0130 for terminations.

**10 14 23 Panel Signage** (10 14)

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>10 14 23 11 Panel Signage</b> <small>(10 14 23)</small>			
10 14 23 11-0001	<b>Indoor/Outdoor Signs</b> <small>(10 14 23 11)</small>		
	Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.		
10 14 23 11-0002	<b>Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
10 14 23 11-0003	<b>Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>		
	Note: Multi-color with words, symbols and graphics.		
10 14 23 11-0004	EA Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....	35.82	15.41
	For >25 To 50, Deduct	-0.50	
	For >50 To 100, Deduct	-1.25	
	For >100, Deduct	-1.50	
	For Clear Glass Mount, Add	4.01	
	For Glow-In-Dark, Add	10.02	
	For Reflective Finish, Add	11.27	
10 14 23 11-0005	EA >25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....	39.40	15.41
	For >25 To 50, Deduct	-0.86	
	For >50 To 100, Deduct	-2.15	
	For >100, Deduct	-2.58	
	For Clear Glass Mount, Add	6.87	
	For Glow-In-Dark, Add	17.18	
	For Reflective Finish, Add	19.33	
10 14 23 11-0006	EA >50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....	45.12	15.41
	For >25 To 50, Deduct	-1.43	
	For >50 To 100, Deduct	-3.58	
	For >100, Deduct	-4.29	
	For Clear Glass Mount, Add	11.45	
	For Glow-In-Dark, Add	28.62	
	For Reflective Finish, Add	32.20	
10 14 23 11-0007	EA >100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....	52.27	15.41
	For >25 To 50, Deduct	-2.15	
	For >50 To 100, Deduct	-5.37	
	For >100, Deduct	-6.44	
	For Clear Glass Mount, Add	17.17	
	For Glow-In-Dark, Add	42.92	
	For Reflective Finish, Add	48.29	
10 14 23 11-0008	EA >250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....	65.15	15.41
	For >25 To 50, Deduct	-3.43	
	For >50 To 100, Deduct	-8.59	
	For >100, Deduct	-10.30	
	For Clear Glass Mount, Add	27.47	
	For Glow-In-Dark, Add	68.68	
	For Reflective Finish, Add	77.27	
10 14 23 11-0009	EA >500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....	88.05	15.41
	For >25 To 50, Deduct	-5.72	
	For >50 To 100, Deduct	-14.31	
	For >100, Deduct	-17.17	
	For Clear Glass Mount, Add	45.79	
	For Glow-In-Dark, Add	114.48	
	For Reflective Finish, Add	128.79	
10 14 23 11-0010	EA >750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....	116.67	15.41
	For >25 To 50, Deduct	-8.59	
	For >50 To 100, Deduct	-21.47	
	For >100, Deduct	-25.76	
	For Clear Glass Mount, Add	68.69	
	For Glow-In-Dark, Add	171.72	
	For Reflective Finish, Add	193.19	
10 14 23 11-0011	SI >1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign .....	0.13	0.02
	For Clear Glass Mount, Add	0.08	
	For Glow-In-Dark, Add	0.20	
	For Reflective Finish, Add	0.23	
10 14 23 11-0012	<b>Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>		
	Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0013	EA Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	37.25	15.41
	For >25 To 50, Deduct	-0.64	
	For >50 To 100, Deduct	-1.61	
	For >100, Deduct	-1.93	
	For Glow-In-Dark, Add	12.88	
	For Reflective Finish, Add	13.85	
10 14 23 11-0014	EA >25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	40.83	15.41
	For >25 To 50, Deduct	-1.00	
	For >50 To 100, Deduct	-2.51	
	For >100, Deduct	-3.01	
	For Glow-In-Dark, Add	20.04	
	For Reflective Finish, Add	21.54	
10 14 23 11-0015	EA >50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	47.98	15.41
	For >25 To 50, Deduct	-1.72	
	For >50 To 100, Deduct	-4.29	
	For >100, Deduct	-5.15	
	For Glow-In-Dark, Add	34.34	
	For Reflective Finish, Add	36.92	
10 14 23 11-0016	EA >100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	55.14	15.41
	For >25 To 50, Deduct	-2.43	
	For >50 To 100, Deduct	-6.08	
	For >100, Deduct	-7.30	
	For Glow-In-Dark, Add	48.66	
	For Reflective Finish, Add	52.31	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0017	EA		>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	65.87	15.41
			<i>For &gt;25 To 50, Deduct</i>	-3.51	
			<i>For &gt;50 To 100, Deduct</i>	-8.77	
			<i>For &gt;100, Deduct</i>	-10.52	
			<i>For Glow-In-Dark, Add</i>	70.12	
			<i>For Reflective Finish, Add</i>	75.38	
10 14 23 11-0018	EA		>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	76.60	15.41
			<i>For &gt;25 To 50, Deduct</i>	-4.58	
			<i>For &gt;50 To 100, Deduct</i>	-11.45	
			<i>For &gt;100, Deduct</i>	-13.74	
			<i>For Glow-In-Dark, Add</i>	91.58	
			<i>For Reflective Finish, Add</i>	98.45	
10 14 23 11-0019	EA		>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	88.05	15.41
			<i>For &gt;25 To 50, Deduct</i>	-5.72	
			<i>For &gt;50 To 100, Deduct</i>	-14.31	
			<i>For &gt;100, Deduct</i>	-17.17	
			<i>For Glow-In-Dark, Add</i>	114.48	
			<i>For Reflective Finish, Add</i>	123.07	
10 14 23 11-0020	SI		>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign .....	0.09	0.02
			<i>For Glow-In-Dark, Add</i>	0.12	
			<i>For Reflective Finish, Add</i>	0.13	
<b>10 14 23 11-0021</b>			<b>Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille</b> <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0022	EA		Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille .....	47.98	15.41
			<i>For &gt;25 To 50, Deduct</i>	-1.72	
			<i>For &gt;50 To 100, Deduct</i>	-4.29	
			<i>For &gt;100, Deduct</i>	-5.15	
			<i>For Molded Plastic Frame, Add</i>	15.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	23.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0023	EA		>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille .....	52.27	15.41
			<i>For &gt;25 To 50, Deduct</i>	-2.15	
			<i>For &gt;50 To 100, Deduct</i>	-5.37	
			<i>For &gt;100, Deduct</i>	-6.44	
			<i>For Molded Plastic Frame, Add</i>	17.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	28.00	
			<i>For 2" Height Slider Channel For Custom Inserts, Add</i>	35.00	
10 14 23 11-0024	EA		>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille .....	59.43	15.41
			<i>For &gt;25 To 50, Deduct</i>	-2.86	
			<i>For &gt;50 To 100, Deduct</i>	-7.16	
			<i>For &gt;100, Deduct</i>	-8.59	
			<i>For Molded Plastic Frame, Add</i>	19.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	31.00	
10 14 23 11-0025	EA		>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille .....	66.16	15.41
			<i>For &gt;25 To 50, Deduct</i>	-3.54	
			<i>For &gt;50 To 100, Deduct</i>	-8.84	
			<i>For &gt;100, Deduct</i>	-10.61	
			<i>For Molded Plastic Frame, Add</i>	21.00	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	35.00	
10 14 23 11-0026	SI		>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille.....	0.71	0.15
			<i>For Molded Plastic Frame, Add</i>	0.20	
			<i>For Brushed Metal Finish/Faux Metal Finish, Add</i>	0.31	
<b>10 14 23 11-0027</b>			<b>Engraved Steel, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.		
10 14 23 11-0028	EA		Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	58.00	15.41
			<i>For &gt;25 To 50, Deduct</i>	-2.72	
			<i>For &gt;50 To 100, Deduct</i>	-6.80	
			<i>For &gt;100, Deduct</i>	-8.16	
			<i>For Molded Plastic Frame, Add</i>	15.00	
10 14 23 11-0029	EA		>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	66.59	15.41
			<i>For &gt;25 To 50, Deduct</i>	-3.58	
			<i>For &gt;50 To 100, Deduct</i>	-8.95	
			<i>For &gt;100, Deduct</i>	-10.73	
			<i>For Molded Plastic Frame, Add</i>	17.00	
10 14 23 11-0030	EA		>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	78.03	15.41
			<i>For &gt;25 To 50, Deduct</i>	-4.72	
			<i>For &gt;50 To 100, Deduct</i>	-11.81	
			<i>For &gt;100, Deduct</i>	-14.17	
			<i>For Molded Plastic Frame, Add</i>	19.00	
10 14 23 11-0031	EA		>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	100.93	15.41
			<i>For &gt;25 To 50, Deduct</i>	-7.01	
			<i>For &gt;50 To 100, Deduct</i>	-17.53	
			<i>For &gt;100, Deduct</i>	-21.04	
			<i>For Molded Plastic Frame, Add</i>	21.00	
10 14 23 11-0032	SI		>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign .....	1.01	0.15
			<i>For Molded Plastic Frame, Add</i>	0.20	
<b>10 14 23 11-0033</b>			<b>Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0002)</small>		
			Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.		
10 14 23 11-0034	EA		Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign .....	36.53	15.41
			<i>For &gt;25 To 50, Deduct</i>	-0.57	
			<i>For &gt;50 To 100, Deduct</i>	-1.43	
			<i>For &gt;100, Deduct</i>	-1.72	
			<i>For Glow-In-Dark, Add</i>	3.43	
			<i>For Reflective Finish, Add</i>	4.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0035	EA		>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	40.83	15.41
			<i>For &gt;25 To 50, Deduct</i>	-1.00	
			<i>For &gt;50 To 100, Deduct</i>	-2.51	
			<i>For &gt;100, Deduct</i>	-3.01	
			<i>For Glow-In-Dark, Add</i>	6.01	
			<i>For Reflective Finish, Add</i>	7.52	
10 14 23 11-0036	EA		>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	49.41	15.41
			<i>For &gt;25 To 50, Deduct</i>	-1.86	
			<i>For &gt;50 To 100, Deduct</i>	-4.65	
			<i>For &gt;100, Deduct</i>	-5.58	
			<i>For Glow-In-Dark, Add</i>	11.16	
			<i>For Reflective Finish, Add</i>	13.95	
10 14 23 11-0037	EA		>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	59.43	15.41
			<i>For &gt;25 To 50, Deduct</i>	-2.86	
			<i>For &gt;50 To 100, Deduct</i>	-7.16	
			<i>For &gt;100, Deduct</i>	-8.59	
			<i>For Glow-In-Dark, Add</i>	17.17	
			<i>For Reflective Finish, Add</i>	21.47	
10 14 23 11-0038	EA		>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	89.48	15.41
			<i>For &gt;25 To 50, Deduct</i>	-5.87	
			<i>For &gt;50 To 100, Deduct</i>	-14.67	
			<i>For &gt;100, Deduct</i>	-17.60	
			<i>For Glow-In-Dark, Add</i>	35.20	
			<i>For Reflective Finish, Add</i>	44.00	
10 14 23 11-0039	EA		>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	102.36	15.41
			<i>For &gt;25 To 50, Deduct</i>	-7.16	
			<i>For &gt;50 To 100, Deduct</i>	-17.89	
			<i>For &gt;100, Deduct</i>	-21.47	
			<i>For Glow-In-Dark, Add</i>	42.93	
			<i>For Reflective Finish, Add</i>	53.66	
10 14 23 11-0040	EA		>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	119.53	15.41
			<i>For &gt;25 To 50, Deduct</i>	-8.87	
			<i>For &gt;50 To 100, Deduct</i>	-22.18	
			<i>For &gt;100, Deduct</i>	-26.62	
			<i>For Glow-In-Dark, Add</i>	53.23	
			<i>For Reflective Finish, Add</i>	66.54	
10 14 23 11-0041	SI		>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.13	0.02
			<i>For Glow-In-Dark, Add</i>	0.06	
			<i>For Reflective Finish, Add</i>	0.08	
10 14 23 11-0042			<b>Ceiling Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
10 14 23 11-0043			<b>Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0042)</small>		
10 14 23 11-0044	EA		Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	51.01	21.57
			<i>For &gt;25 To 50, Deduct</i>	-0.79	
			<i>For &gt;50 To 100, Deduct</i>	-1.97	
			<i>For &gt;100, Deduct</i>	-2.36	
			<i>For Glow-In-Dark, Add</i>	4.72	
			<i>For Reflective Finish, Add</i>	5.90	
10 14 23 11-0045	EA		>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	57.45	21.57
			<i>For &gt;25 To 50, Deduct</i>	-1.43	
			<i>For &gt;50 To 100, Deduct</i>	-3.58	
			<i>For &gt;100, Deduct</i>	-4.29	
			<i>For Glow-In-Dark, Add</i>	8.59	
			<i>For Reflective Finish, Add</i>	10.73	
10 14 23 11-0046	EA		>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	66.04	21.57
			<i>For &gt;25 To 50, Deduct</i>	-2.29	
			<i>For &gt;50 To 100, Deduct</i>	-5.73	
			<i>For &gt;100, Deduct</i>	-6.87	
			<i>For Glow-In-Dark, Add</i>	13.74	
			<i>For Reflective Finish, Add</i>	17.18	
10 14 23 11-0047	EA		>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	78.92	21.57
			<i>For &gt;25 To 50, Deduct</i>	-3.58	
			<i>For &gt;50 To 100, Deduct</i>	-8.95	
			<i>For &gt;100, Deduct</i>	-10.73	
			<i>For Glow-In-Dark, Add</i>	21.47	
			<i>For Reflective Finish, Add</i>	26.84	
10 14 23 11-0048			<b>90 Degree, Projection Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0001)</small>		
10 14 23 11-0049			<b>Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs</b> <small>(10 14 23 11-0048)</small>		
10 14 23 11-0050	EA		Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	51.73	21.57
			<i>For &gt;25 To 50, Deduct</i>	-0.86	
			<i>For &gt;50 To 100, Deduct</i>	-2.15	
			<i>For &gt;100, Deduct</i>	-2.58	
			<i>For Glow-In-Dark, Add</i>	5.15	
			<i>For Reflective Finish, Add</i>	6.44	
10 14 23 11-0051	EA		>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	58.88	21.57
			<i>For &gt;25 To 50, Deduct</i>	-1.57	
			<i>For &gt;50 To 100, Deduct</i>	-3.94	
			<i>For &gt;100, Deduct</i>	-4.72	
			<i>For Glow-In-Dark, Add</i>	9.44	
			<i>For Reflective Finish, Add</i>	11.81	

**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 14 23 11-0052	EA >50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	74.62	21.57
	For >25 To 50, Deduct	-3.15	
	For >50 To 100, Deduct	-7.87	
	For >100, Deduct	-9.44	
	For Glow-In-Dark, Add	18.89	
	For Reflective Finish, Add	23.61	
10 14 23 11-0053	EA >100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign .....	80.35	21.57
	For >25 To 50, Deduct	-3.72	
	For >50 To 100, Deduct	-9.30	
	For >100, Deduct	-11.16	
	For Glow-In-Dark, Add	22.33	
	For Reflective Finish, Add	27.91	
10 14 23 11-0054	Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0001)</small>		
10 14 23 11-0055	Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs <small>(10 14 23 11-0054)</small>		
10 14 23 11-0056	EA Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	53.87	21.57
	For >25 To 50, Deduct	-1.07	
	For >50 To 100, Deduct	-2.68	
	For >100, Deduct	-3.22	
	For Glow-In-Dark, Add	6.44	
	For Reflective Finish, Add	8.05	
10 14 23 11-0057	EA >25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	64.60	21.57
	For >25 To 50, Deduct	-2.15	
	For >50 To 100, Deduct	-5.37	
	For >100, Deduct	-6.44	
	For Glow-In-Dark, Add	12.88	
	For Reflective Finish, Add	16.10	
10 14 23 11-0058	EA >50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	68.90	21.57
	For >25 To 50, Deduct	-2.58	
	For >50 To 100, Deduct	-6.44	
	For >100, Deduct	-7.73	
	For Glow-In-Dark, Add	15.46	
	For Reflective Finish, Add	19.32	
10 14 23 11-0059	EA >100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign .....	74.62	21.57
	For >25 To 50, Deduct	-3.15	
	For >50 To 100, Deduct	-7.87	
	For >100, Deduct	-9.44	
	For Glow-In-Dark, Add	18.89	
	For Reflective Finish, Add	23.61	
10 14 23 11-0060	Standoffs For Wall Signage <small>(10 14 23 11)</small>		
	Note: Excludes signage		
10 14 23 11-0061	EA 1/2" Diameter x 1/2" Long, Stainless Steel Standoff .....	17.90	6.83
10 14 23 11-0062	EA 1/2" Diameter x 3/4" Long, Stainless Steel Standoff .....	18.45	6.83
10 14 23 11-0063	EA 1/2" Diameter x 1" Long, Stainless Steel Standoff .....	18.59	6.83
10 14 23 11-0064	EA 5/8" Diameter x 1/2" Long, Stainless Steel Standoff .....	19.54	6.83
10 14 23 11-0065	EA 5/8" Diameter x 3/4" Long, Stainless Steel Standoff .....	20.09	6.83
10 14 23 11-0066	EA 5/8" Diameter x 1" Long, Stainless Steel Standoff .....	21.18	6.83
10 14 23 11-0067	EA 3/4" Diameter x 3/4" Long, Stainless Steel Standoff .....	21.05	8.20
10 14 23 11-0068	EA 3/4" Diameter x 1" Long, Stainless Steel Standoff .....	22.55	8.20
10 14 23 11-0069	EA 3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff .....	23.78	8.20
10 14 23 11-0070	EA 1" Diameter x 3/4" Long, Stainless Steel Standoff .....	25.14	8.20
10 14 23 11-0071	EA 1" Diameter x 1" Long, Stainless Steel Standoff .....	26.92	8.20
10 14 23 11-0072	EA 1" Diameter x 1-1/2" Long, Stainless Steel Standoff .....	29.10	8.20
10 14 23 11-0073	EA 5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	19.95	6.83
10 14 23 11-0074	EA 5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	20.36	6.83
10 14 23 11-0075	EA 3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	22.28	8.20
10 14 23 11-0076	EA 3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	22.69	8.20
10 14 23 11-0077	EA 1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff .....	24.59	8.20
10 14 23 11-0078	EA 1" Diameter x 1" Long, Clear Anodized Aluminum Standoff .....	24.87	8.20
10 14 23 11-0079	Removal And Reinstallation Of Building Signage <small>(10 14 23 11)</small>		
	Note: Includes storage and cleaning.		
10 14 23 11-0080	EA Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF .....	239.32	
10 14 23 11-0081	EA Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF .....	274.77	
10 14 23 11-0082	EA Removal And Reinstallation Of Building Signage, >12 To 20 SF .....	308.94	
10 14 23 11-0083	EA Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF .....	92.45	
10 14 53	<b>Traffic Signage <small>(10 14)</small></b>		
10 14 53 11	<b>Traffic Signage <small>(10 14 53)</small></b>		
10 14 53 11-0001	Traffic Signs <small>(10 14 53 11)</small>		
10 14 53 11-0002	Reflectorized Stop Signs And Other Traffic Signs <small>(10 14 53 11-0001)</small>		
	Note: Excludes posts.		
10 14 53 11-0003	Aluminum Engineer Grade Stop Signs <small>(10 14 53 11-0002)</small>		
10 14 53 11-0004	EA 18" x 18" Aluminum Engineer Grade Stop Sign .....	86.38	27.74
	For Hi-Intensity Grade, Add	9.27	
	For Diamond Grade, Add	17.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0005	EA		18" x 24" Aluminum Engineer Grade Stop Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	98.97 12.12 23.03	29.34
10 14 53 11-0006	EA		24" x 24" Aluminum Engineer Grade Stop Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	106.81 18.52 29.35	30.82
10 14 53 11-0007	EA		30" x 30" Aluminum Engineer Grade Stop Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	122.57 6.94 37.60	32.42
10 14 53 11-0008	EA		36" x 36" Aluminum Engineer Grade Stop Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	160.51 20.39 63.96	33.90
<b>10 14 53 11-0009</b>			<b>Steel Engineer Grade Stop Signs</b> (10 14 53 11-0002)		
10 14 53 11-0010	EA		18" x 18" Reflective Steel Stop Sign, Engineering Grade .....	121.01	27.74
10 14 53 11-0011	EA		18" x 24" Reflective Steel Stop Sign, Engineering Grade .....	147.83	29.34
10 14 53 11-0012	EA		24" x 24" Reflective Steel Stop Sign, Engineering Grade .....	156.71	30.82
10 14 53 11-0013	EA		30" x 30" Reflective Steel Stop Sign, Engineering Grade .....	215.95	32.42
10 14 53 11-0014	EA		36" x 36" Reflective Steel Stop Sign, Engineering Grade .....	269.47	33.90
<b>10 14 53 11-0015</b>			<b>Polyethylene Engineer Grade Stop Signs</b> (10 14 53 11-0002)		
10 14 53 11-0016	EA		18" x 18" Reflective Polyethylene Stop Sign, Engineering Grade .....	123.44	27.74
10 14 53 11-0017	EA		18" x 24" Reflective Polyethylene Stop Sign, Engineering Grade .....	154.05	29.34
10 14 53 11-0018	EA		24" x 24" Reflective Polyethylene Stop Sign, Engineering Grade .....	168.95	30.82
10 14 53 11-0019	EA		30" x 30" Reflective Polyethylene Stop Sign, Engineering Grade .....	216.52	32.42
<b>10 14 53 11-0020</b>			<b>Other Reflectorized Traffic Signs</b> (10 14 53 11-0002) Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.		
<b>10 14 53 11-0021</b>			<b>Aluminum Engineer Grade Traffic Signs</b> (10 14 53 11-0020)		
10 14 53 11-0022	EA		6" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	56.97 2.30 4.36	24.65
10 14 53 11-0023	EA		6" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	60.80 3.44 6.54	24.65
10 14 53 11-0024	EA		9" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	60.80 3.44 6.54	24.65
10 14 53 11-0025	EA		9" x 15" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	63.67 4.31 8.18	24.65
10 14 53 11-0026	EA		9" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	66.54 5.17 9.82	24.65
10 14 53 11-0027	EA		9" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	75.36 6.89 13.09	26.20
10 14 53 11-0028	EA		9" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	98.33 13.78 26.18	26.20
10 14 53 11-0029	EA		12" x 12" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	64.63 4.59 8.73	24.65
10 14 53 11-0030	EA		12" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	75.36 6.89 13.09	26.20
10 14 53 11-0031	EA		12" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	83.02 9.19 17.45	26.20
10 14 53 11-0032	EA		12" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	90.67 11.48 21.81	26.20
10 14 53 11-0033	EA		12" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	98.33 13.78 26.18	26.20
10 14 53 11-0034	EA		18" x 18" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	86.84 10.33 19.63	26.20
10 14 53 11-0035	EA		18" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	98.33 13.78 26.18	26.20
10 14 53 11-0036	EA		18" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	112.89 17.22 32.72	27.74
10 14 53 11-0037	EA		18" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	124.37 20.67 39.27	27.74
10 14 53 11-0038	EA		18" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	159.66 27.56 52.35	33.90
10 14 53 11-0039	EA		18" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	171.14 31.00 58.90	33.90



**10 Specialties**  
**10 10 Information Specialties**  
**10 14 Signage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0040	EA		24" x 24" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	116.71 18.37 34.90	27.74
10 14 53 11-0041	EA		24" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	132.02 22.96 43.63	27.74
10 14 53 11-0042	EA		24" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	147.33 27.56 52.35	27.74
10 14 53 11-0043	EA		24" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	174.97 32.15 61.08	33.90
10 14 53 11-0044	EA		24" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	190.28 36.74 69.81	33.90
10 14 53 11-0045	EA		24" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	205.59 41.33 78.53	33.90
10 14 53 11-0046	EA		24" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	220.89 45.92 87.26	33.90
10 14 53 11-0047	EA		30" x 30" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	151.16 28.70 54.54	27.74
10 14 53 11-0048	EA		30" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	182.62 34.44 65.44	33.90
10 14 53 11-0049	EA		30" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	201.76 40.19 76.35	33.90
10 14 53 11-0050	EA		30" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	233.22 45.92 87.26	40.06
10 14 53 11-0051	EA		30" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	283.82 57.41 109.08	46.23
10 14 53 11-0052	EA		36" x 36" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	205.59 41.33 78.53	33.90
10 14 53 11-0053	EA		36" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	240.88 48.22 91.62	40.06
10 14 53 11-0054	EA		36" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	276.16 55.11 104.71	46.23
10 14 53 11-0055	EA		36" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	299.12 62.00 117.80	46.23
10 14 53 11-0056	EA		36" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	334.42 68.89 130.89	52.40
10 14 53 11-0057	EA		36" x 73" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	396.50 83.81 159.25	58.56
10 14 53 11-0058	EA		36" x 78" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	415.64 89.56 170.16	58.56
10 14 53 11-0059	EA		36" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	548.94 124.00 235.60	67.81
10 14 53 11-0060	EA		42" x 42" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	279.99 56.26 106.89	46.23
10 14 53 11-0061	EA		48" x 48" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	349.73 73.48 139.62	52.40
10 14 53 11-0062	EA		48" x 54" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	392.67 82.67 157.06	58.56
10 14 53 11-0063	EA		48" x 60" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	423.29 91.85 174.52	58.56
10 14 53 11-0064	EA		48" x 66" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	472.40 101.04 191.97	67.81
10 14 53 11-0065	EA		48" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	503.01 110.22 209.42	67.81
10 14 53 11-0066	EA		48" x 84" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	576.59 128.59 244.32	73.97
10 14 53 11-0067	EA		48" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	637.82 146.96 279.23	73.97
10 14 53 11-0068	EA		48" x 102" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	668.44 156.15 296.68	73.97
10 14 53 11-0069	EA		48" x 108" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	705.22 165.33 314.13	77.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0070	EA		60" x 72" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	607.20 137.78 261.77	73.97
10 14 53 11-0071	EA		72" x 144" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	1,299.46 330.66 628.26	98.63
10 14 53 11-0072	EA		78" x 96" Aluminum Engineer Grade Traffic Sign ..... <i>For Hi-Intensity Grade, Add</i> <i>For Diamond Grade, Add</i>	950.15 238.81 453.74	77.05
<b>10 14 53 11-0073</b>			<b>Polyethylene Engineer Grade Traffic Signs (10 14 53 11-0020)</b>		
10 14 53 11-0074	EA		6" x 12" Reflective Polyethylene Traffic Sign .....	88.71	23.18
10 14 53 11-0075	EA		12" x 12" Reflective Polyethylene Traffic Sign .....	100.01	24.65
10 14 53 11-0076	EA		12" x 18" Reflective Polyethylene Traffic Sign .....	106.97	26.26
10 14 53 11-0077	EA		18" x 18" Reflective Polyethylene Traffic Sign .....	127.04	27.74
10 14 53 11-0078	EA		18" x 24" Reflective Polyethylene Traffic Sign .....	154.05	29.34
10 14 53 11-0079	EA		24" x 24" Reflective Polyethylene Traffic Sign .....	172.09	29.34
<b>10 14 53 11-0080</b>			<b>Non-Reflectorized Traffic Signs (10 14 53 11-0001)</b> Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
<b>10 14 53 11-0081</b>			<b>Steel Non-Reflectorized Traffic Signs (10 14 53 11-0080)</b>		
10 14 53 11-0082	EA		6" x 12" Steel Non-Reflectorized Traffic Sign .....	55.36	24.65
10 14 53 11-0083	EA		6" x 18" Steel Non-Reflectorized Traffic Sign .....	58.38	24.65
10 14 53 11-0084	EA		9" x 12" Steel Non-Reflectorized Traffic Sign .....	58.38	24.65
10 14 53 11-0085	EA		9" x 15" Steel Non-Reflectorized Traffic Sign .....	60.65	24.65
10 14 53 11-0086	EA		9" x 18" Steel Non-Reflectorized Traffic Sign .....	62.91	24.65
10 14 53 11-0087	EA		9" x 24" Steel Non-Reflectorized Traffic Sign .....	70.52	26.20
10 14 53 11-0088	EA		9" x 48" Steel Non-Reflectorized Traffic Sign .....	88.64	26.20
10 14 53 11-0089	EA		12" x 12" Steel Non-Reflectorized Traffic Sign .....	61.40	24.65
10 14 53 11-0090	EA		12" x 18" Steel Non-Reflectorized Traffic Sign .....	70.52	26.20
10 14 53 11-0091	EA		12" x 24" Steel Non-Reflectorized Traffic Sign .....	76.56	26.20
10 14 53 11-0092	EA		12" x 30" Steel Non-Reflectorized Traffic Sign .....	82.60	26.20
10 14 53 11-0093	EA		12" x 36" Steel Non-Reflectorized Traffic Sign .....	88.64	26.20
10 14 53 11-0094	EA		18" x 18" Steel Non-Reflectorized Traffic Sign .....	79.58	26.20
10 14 53 11-0095	EA		18" x 24" Steel Non-Reflectorized Traffic Sign .....	88.64	26.20
10 14 53 11-0096	EA		18" x 30" Steel Non-Reflectorized Traffic Sign .....	100.78	27.74
10 14 53 11-0097	EA		18" x 36" Steel Non-Reflectorized Traffic Sign .....	109.85	27.74
10 14 53 11-0098	EA		18" x 48" Steel Non-Reflectorized Traffic Sign .....	140.30	33.90
10 14 53 11-0099	EA		18" x 54" Steel Non-Reflectorized Traffic Sign .....	149.36	33.90
10 14 53 11-0100	EA		24" x 24" Steel Non-Reflectorized Traffic Sign .....	103.80	27.74
10 14 53 11-0101	EA		24" x 30" Steel Non-Reflectorized Traffic Sign .....	115.89	27.74
10 14 53 11-0102	EA		24" x 36" Steel Non-Reflectorized Traffic Sign .....	127.97	27.74
10 14 53 11-0103	EA		24" x 42" Steel Non-Reflectorized Traffic Sign .....	152.38	33.90
10 14 53 11-0104	EA		24" x 48" Steel Non-Reflectorized Traffic Sign .....	164.46	33.90
10 14 53 11-0105	EA		24" x 54" Steel Non-Reflectorized Traffic Sign .....	176.54	33.90
10 14 53 11-0106	EA		24" x 60" Steel Non-Reflectorized Traffic Sign .....	188.62	33.90
10 14 53 11-0107	EA		30" x 30" Steel Non-Reflectorized Traffic Sign .....	130.99	27.74
10 14 53 11-0108	EA		30" x 36" Steel Non-Reflectorized Traffic Sign .....	158.42	33.90
10 14 53 11-0109	EA		30" x 42" Steel Non-Reflectorized Traffic Sign .....	173.52	33.90
10 14 53 11-0110	EA		30" x 48" Steel Non-Reflectorized Traffic Sign .....	200.95	40.06
10 14 53 11-0111	EA		30" x 60" Steel Non-Reflectorized Traffic Sign .....	243.47	46.23
10 14 53 11-0112	EA		36" x 36" Steel Non-Reflectorized Traffic Sign .....	176.54	33.90
10 14 53 11-0113	EA		36" x 42" Steel Non-Reflectorized Traffic Sign .....	206.99	40.06
10 14 53 11-0114	EA		36" x 48" Steel Non-Reflectorized Traffic Sign .....	237.43	46.23
10 14 53 11-0115	EA		36" x 54" Steel Non-Reflectorized Traffic Sign .....	255.56	46.23
10 14 53 11-0116	EA		36" x 60" Steel Non-Reflectorized Traffic Sign .....	286.01	52.40
10 14 53 11-0117	EA		36" x 73" Steel Non-Reflectorized Traffic Sign .....	337.60	58.56
10 14 53 11-0118	EA		36" x 78" Steel Non-Reflectorized Traffic Sign .....	352.70	58.56
10 14 53 11-0119	EA		36" x 108" Steel Non-Reflectorized Traffic Sign .....	461.80	67.81
10 14 53 11-0120	EA		42" x 42" Steel Non-Reflectorized Traffic Sign .....	240.45	46.23
10 14 53 11-0121	EA		48" x 48" Steel Non-Reflectorized Traffic Sign .....	298.09	52.40
10 14 53 11-0122	EA		48" x 54" Steel Non-Reflectorized Traffic Sign .....	334.58	58.56
10 14 53 11-0123	EA		48" x 60" Steel Non-Reflectorized Traffic Sign .....	358.74	58.56
10 14 53 11-0124	EA		48" x 66" Steel Non-Reflectorized Traffic Sign .....	401.40	67.81
10 14 53 11-0125	EA		48" x 72" Steel Non-Reflectorized Traffic Sign .....	425.56	67.81
10 14 53 11-0126	EA		48" x 84" Steel Non-Reflectorized Traffic Sign .....	486.22	73.97
10 14 53 11-0127	EA		48" x 96" Steel Non-Reflectorized Traffic Sign .....	534.55	73.97
10 14 53 11-0128	EA		48" x 102" Steel Non-Reflectorized Traffic Sign .....	558.71	73.97
10 14 53 11-0129	EA		48" x 108" Steel Non-Reflectorized Traffic Sign .....	589.03	77.05
10 14 53 11-0130	EA		60" x 72" Steel Non-Reflectorized Traffic Sign .....	510.39	73.97
10 14 53 11-0131	EA		72" x 144" Steel Non-Reflectorized Traffic Sign .....	1,067.09	98.63
10 14 53 11-0132	EA		78" x 96" Steel Non-Reflectorized Traffic Sign .....	782.33	77.05
<b>10 14 53 11-0133</b>			<b>Aluminum Non-Reflectorized Traffic Signs (10 14 53 11-0080)</b>		
10 14 53 11-0134	EA		6" x 12" Aluminum Non-Reflectorized Traffic Sign .....	55.61	24.65
10 14 53 11-0135	EA		6" x 18" Aluminum Non-Reflectorized Traffic Sign .....	58.75	24.65
10 14 53 11-0136	EA		9" x 12" Aluminum Non-Reflectorized Traffic Sign .....	58.75	24.65
10 14 53 11-0137	EA		9" x 15" Aluminum Non-Reflectorized Traffic Sign .....	61.11	24.65
10 14 53 11-0138	EA		9" x 18" Aluminum Non-Reflectorized Traffic Sign .....	63.47	24.65
10 14 53 11-0139	EA		9" x 24" Aluminum Non-Reflectorized Traffic Sign .....	71.26	26.20
10 14 53 11-0140	EA		9" x 48" Aluminum Non-Reflectorized Traffic Sign .....	90.12	26.20

**10 Specialties****10 10 Information Specialties****10 14 Signage**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 14 53 11-0141	EA	12" x 12" Aluminum Non-Reflectorized Traffic Sign	61.89	24.65
10 14 53 11-0142	EA	12" x 18" Aluminum Non-Reflectorized Traffic Sign	71.26	26.20
10 14 53 11-0143	EA	12" x 24" Aluminum Non-Reflectorized Traffic Sign	77.55	26.20
10 14 53 11-0144	EA	12" x 30" Aluminum Non-Reflectorized Traffic Sign	83.83	26.20
10 14 53 11-0145	EA	12" x 36" Aluminum Non-Reflectorized Traffic Sign	90.12	26.20
10 14 53 11-0146	EA	18" x 18" Aluminum Non-Reflectorized Traffic Sign	80.69	26.20
10 14 53 11-0147	EA	18" x 24" Aluminum Non-Reflectorized Traffic Sign	90.12	26.20
10 14 53 11-0148	EA	18" x 30" Aluminum Non-Reflectorized Traffic Sign	102.63	27.74
10 14 53 11-0149	EA	18" x 36" Aluminum Non-Reflectorized Traffic Sign	112.06	27.74
10 14 53 11-0150	EA	18" x 48" Aluminum Non-Reflectorized Traffic Sign	143.25	33.90
10 14 53 11-0151	EA	18" x 54" Aluminum Non-Reflectorized Traffic Sign	152.68	33.90
10 14 53 11-0152	EA	24" x 24" Aluminum Non-Reflectorized Traffic Sign	105.77	27.74
10 14 53 11-0153	EA	24" x 30" Aluminum Non-Reflectorized Traffic Sign	118.35	27.74
10 14 53 11-0154	EA	24" x 36" Aluminum Non-Reflectorized Traffic Sign	130.92	27.74
10 14 53 11-0155	EA	24" x 42" Aluminum Non-Reflectorized Traffic Sign	155.82	33.90
10 14 53 11-0156	EA	24" x 48" Aluminum Non-Reflectorized Traffic Sign	168.40	33.90
10 14 53 11-0157	EA	24" x 54" Aluminum Non-Reflectorized Traffic Sign	180.97	33.90
10 14 53 11-0158	EA	24" x 60" Aluminum Non-Reflectorized Traffic Sign	193.55	33.90
10 14 53 11-0159	EA	30" x 30" Aluminum Non-Reflectorized Traffic Sign	134.06	27.74
10 14 53 11-0160	EA	30" x 36" Aluminum Non-Reflectorized Traffic Sign	162.11	33.90
10 14 53 11-0161	EA	30" x 42" Aluminum Non-Reflectorized Traffic Sign	177.83	33.90
10 14 53 11-0162	EA	30" x 48" Aluminum Non-Reflectorized Traffic Sign	205.88	40.06
10 14 53 11-0163	EA	30" x 60" Aluminum Non-Reflectorized Traffic Sign	249.63	46.23
10 14 53 11-0164	EA	36" x 36" Aluminum Non-Reflectorized Traffic Sign	180.97	33.90
10 14 53 11-0165	EA	36" x 42" Aluminum Non-Reflectorized Traffic Sign	212.16	40.06
10 14 53 11-0166	EA	36" x 48" Aluminum Non-Reflectorized Traffic Sign	243.34	46.23
10 14 53 11-0167	EA	36" x 54" Aluminum Non-Reflectorized Traffic Sign	262.20	46.23
10 14 53 11-0168	EA	36" x 60" Aluminum Non-Reflectorized Traffic Sign	293.39	52.40
10 14 53 11-0169	EA	36" x 73" Aluminum Non-Reflectorized Traffic Sign	346.59	58.56
10 14 53 11-0170	EA	36" x 78" Aluminum Non-Reflectorized Traffic Sign	362.30	58.56
10 14 53 11-0171	EA	36" x 108" Aluminum Non-Reflectorized Traffic Sign	475.09	67.81
10 14 53 11-0172	EA	42" x 42" Aluminum Non-Reflectorized Traffic Sign	246.49	46.23
10 14 53 11-0173	EA	48" x 48" Aluminum Non-Reflectorized Traffic Sign	305.97	52.40
10 14 53 11-0174	EA	48" x 54" Aluminum Non-Reflectorized Traffic Sign	343.44	58.56
10 14 53 11-0175	EA	48" x 60" Aluminum Non-Reflectorized Traffic Sign	368.59	58.56
10 14 53 11-0176	EA	48" x 66" Aluminum Non-Reflectorized Traffic Sign	412.23	67.81
10 14 53 11-0177	EA	48" x 72" Aluminum Non-Reflectorized Traffic Sign	437.37	67.81
10 14 53 11-0178	EA	48" x 84" Aluminum Non-Reflectorized Traffic Sign	500.01	73.97
10 14 53 11-0179	EA	48" x 96" Aluminum Non-Reflectorized Traffic Sign	550.30	73.97
10 14 53 11-0180	EA	48" x 102" Aluminum Non-Reflectorized Traffic Sign	575.45	73.97
10 14 53 11-0181	EA	48" x 108" Aluminum Non-Reflectorized Traffic Sign	606.76	77.05
10 14 53 11-0182	EA	60" x 72" Aluminum Non-Reflectorized Traffic Sign	525.16	73.97
10 14 53 11-0183	EA	72" x 144" Aluminum Non-Reflectorized Traffic Sign	1,102.54	98.63
10 14 53 11-0184	EA	78" x 96" Aluminum Non-Reflectorized Traffic Sign	807.93	77.05

**10 14 53 11-0185 Polyethylene Non-Reflectorized Traffic Signs (10 14 53 11-0080)**

10 14 53 11-0186	EA	6" x 12" Non-Reflective Polyethylene Traffic Sign	76.73	23.18
10 14 53 11-0187	EA	12" x 12" Non-Reflective Polyethylene Traffic Sign	83.59	24.65
10 14 53 11-0188	EA	12" x 18" Non-Reflective Polyethylene Traffic Sign	89.84	26.26
10 14 53 11-0189	EA	18" x 18" Non-Reflective Polyethylene Traffic Sign	114.80	27.74
10 14 53 11-0190	EA	18" x 24" Non-Reflective Polyethylene Traffic Sign	122.79	29.34
10 14 53 11-0191	EA	24" x 24" Non-Reflective Polyethylene Traffic Sign	140.86	30.82

**10 14 53 11-0192 Aluminum Street Signs (10 14 53 11-0001)**

Note: Excludes posts.

**10 14 53 11-0193 Aluminum Engineer Grade Street Signs (10 14 53 11-0192)**

10 14 53 11-0194	EA	6" High, Aluminum Engineer Grade Street Sign	87.95	12.33
		<i>For Diamond Grade, Add</i>	36.08	
10 14 53 11-0195	EA	8" High, Aluminum Engineer Grade Street Sign	99.12	12.33
		<i>For Diamond Grade, Add</i>	42.45	
10 14 53 11-0196	EA	9" High, Aluminum Engineer Grade Street Sign	107.44	12.33
		<i>For Diamond Grade, Add</i>	47.19	

**10 14 53 11-0197 Street Sign Accessories (10 14 53 11-0192)**

10 14 53 11-0198	EA	Single Bracket And Post Cap For Street Sign	27.56	6.16
10 14 53 11-0199	EA	Double Bracket And Post Cap For Street Sign	27.56	6.16

**10 14 53 11-0200 Sign Posts (10 14 53 11-0001)**

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

**10 14 53 11-0201 U-Channel Sign Posts (10 14 53 11-0200)**

Note: Excludes digging and concrete.

**10 14 53 11-0202 Baked Enamel U-Channel Sign Posts (10 14 53 11-0201)**

10 14 53 11-0203	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	76.48	25.03
10 14 53 11-0204	EA	6' Baked Enamel U-Channel Sign Post	99.72	31.28
10 14 53 11-0205	EA	7' Baked Enamel U-Channel Sign Post	119.15	37.54
10 14 53 11-0206	EA	8' Baked Enamel U-Channel Sign Post	139.44	43.80
10 14 53 11-0207	EA	10' Baked Enamel U-Channel Sign Post	168.40	53.19
10 14 53 11-0208	EA	12' Baked Enamel U-Channel Sign Post	172.63	53.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 14 53 11-0209			<b>Galvanized Steel U-Channel Sign Posts</b> (10 14 53 11-0201)		
10 14 53 11-0210	EA		3' To 4' Galvanized Steel U-Channel Sign Post Base.....	81.92	25.03
10 14 53 11-0211	EA		6' Galvanized Steel U-Channel Sign Post.....	108.36	31.28
10 14 53 11-0212	EA		7' Galvanized Steel U-Channel Sign Post.....	138.70	37.54
10 14 53 11-0213	EA		8' Galvanized Steel U-Channel Sign Post.....	161.05	43.80
10 14 53 11-0214	EA		10' Galvanized Steel U-Channel Sign Post.....	184.13	53.19
10 14 53 11-0215	EA		12' Galvanized Steel U-Channel Sign Post.....	186.32	53.19
10 14 53 11-0216			<b>Fiberglass Or Composite Plastic U-Channel Sign Posts</b> (10 14 53 11-0201)		
10 14 53 11-0217	EA		3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base.....	75.20	25.03
10 14 53 11-0218	EA		6' Fiberglass Or Composite Plastic U-Channel Sign Post.....	96.93	31.28
10 14 53 11-0219	EA		7' Fiberglass Or Composite Plastic U-Channel Sign Post.....	115.78	37.54
10 14 53 11-0220	EA		8' Fiberglass Or Composite Plastic U-Channel Sign Post.....	135.42	43.80
10 14 53 11-0221	EA		10' Fiberglass Or Composite Plastic U-Channel Sign Post.....	161.11	53.19
10 14 53 11-0222	EA		12' Fiberglass Or Composite Plastic U-Channel Sign Post.....	168.31	53.19
10 14 53 11-0223			<b>Tubular Sign Posts</b> (10 14 53 11-0200)		
			Note: Excludes digging and concrete.		
10 14 53 11-0224			<b>2-3/8" Diameter, Galvanized Steel Tubular Sign Post</b> (10 14 53 11-0223)		
10 14 53 11-0225	EA		6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	109.26	31.28
10 14 53 11-0226	EA		7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	129.83	37.54
10 14 53 11-0227	EA		8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	153.13	43.80
10 14 53 11-0228	EA		10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	195.95	53.19
10 14 53 11-0229	EA		12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post.....	210.79	53.19
10 14 53 11-0230			<b>Square Sign Posts</b> (10 14 53 11-0200)		
			Note: Excludes digging and concrete.		
10 14 53 11-0231			<b>Galvanized Steel Square Sign Posts</b> (10 14 53 11-0230)		
10 14 53 11-0232	EA		3' To 4' Galvanized Steel Square Sign Post Base.....	83.13	25.03
10 14 53 11-0233	EA		6' Galvanized Steel Square Sign Post.....	128.83	31.28
10 14 53 11-0234	EA		7' Galvanized Steel Square Sign Post.....	151.44	37.54
10 14 53 11-0235	EA		8' Galvanized Steel Square Sign Post.....	176.64	43.80
10 14 53 11-0236	EA		10' Galvanized Steel Square Sign Post.....	215.57	53.19
10 14 53 11-0237	EA		12' Galvanized Steel Square Sign Post.....	225.93	53.19
10 14 53 11-0238			<b>Sign Post Accessories</b> (10 14 53 11-0001)		
10 14 53 11-0239			<b>Sign Post Brackets</b> (10 14 53 11-0238)		
10 14 53 11-0240	EA		2-3/8" Outside Diameter, Single Side Sign Bracket Set.....	53.13	9.25
			Note: Includes 2 single side sign post brackets		
10 14 53 11-0241	EA		2-3/8" Outside Diameter, Double Side Sign Bracket Set.....	72.45	15.41
			Note: Includes 2 double side sign post brackets		
10 14 53 11-0242	EA		4" To 12" Diameter, Buckle Bracket Set.....	64.77	12.33
			Note: Includes 2 stainless steel straps, 2 brackets and fastener hardware		
10 14 53 11-0243			<b>Sign Post Caps</b> (10 14 53 11-0238)		
10 14 53 11-0244	EA		2-3/8" Diameter, Galvanized, Flat Traffic Sign Post Cap (EC-2).....	25.25	6.16
10 14 53 11-0245			<b>Sign Post Replacement Bolts</b> (10 14 53 11-0238)		
10 14 53 11-0246	EA		Signage Fasteners Replacement.....	18.52	
			Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers		
10 14 53 11-0247			<b>Removal Of Signs</b> (10 14 53 11)		
			Note: Includes structural supports.		
10 14 53 11-0248	EA		>4 To 10 SF Sign Area, Sign Removal.....	246.57	
10 14 53 11-0249	EA		>10 To 20 SF Sign Area, Sign Removal.....	591.76	
10 14 53 11-0250	EA		>20 To 40 SF Sign Area, Sign Removal.....	887.65	
10 14 53 11-0251	EA		>40 To 100 SF Sign Area, Sign Removal.....	1,371.42	
10 14 53 11-0252			<b>Removal And Reinstallation Of Signs</b> (10 14 53 11)		
			Note: Includes structural supports.		
10 14 53 11-0253	EA		>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign.....	374.61	
10 14 53 11-0254	EA		>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign.....	891.04	
10 14 53 11-0255	EA		>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign.....	1,334.36	
10 14 53 11-0256	EA		>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign.....	2,059.82	
10 14 53 11-0257	EA		Removal And Reinstallation Of Street Sign On Post.....	141.78	
10 14 53 11-0258	EA		Removal And Relocation Of Traffic Light.....	485.75	
			Note: Excludes electrical hookup.		

**10 20 Interior Specialties** (10)

**10 21 Compartments and Cubicles** (10 20)

**10 21 13 Toilet Compartments** (10 21)

<b>10</b>	<b>10 Specialties</b>
	<b>10 20 Interior Specialties</b>
	<b>10 21 Compartments and Cubicles</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 21 13 13 Metal Toilet Compartments (10 21 13)**

10 21 13 13-0001	Enamel Coated Steel Toilet Partitions And Urinal Screens (10 21 13 13) Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002	Enamel Coated Steel Toilet Partitions (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0003	Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002)		
10 21 13 13-0004	EA 36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,118.11	153.85
	For >10, Deduct	-81.04	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0005	EA 60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,347.60	167.52
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0006	EA 60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,438.11	174.36
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0007	Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Includes headrail.		
10 21 13 13-0008	EA 36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,171.08	188.04
	For >10, Deduct	-79.50	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0009	EA 60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,356.29	201.71
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0010	EA 60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,432.55	208.55
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0011	Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA 36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition .....	1,382.28	222.22
	For >10, Deduct	-93.78	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0013	EA 60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,605.77	235.90
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0014	EA 60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition .....	1,685.33	242.74
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0015	Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions (10 21 13 13-0002) Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA 36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition.....	1,346.33	256.41
	For >10, Deduct	-83.35	
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0017	EA 60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,606.62	270.09
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0018	EA 60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,694.90	276.93
	For Heavy Gauge Full-Height SS Hinges And Brackets, Add	224.59	
10 21 13 13-0019	Enamel Coated Steel Urinal Screens (10 21 13 13-0001) Note: All colors.		
10 21 13 13-0020	Floor Anchored, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0021	EA 24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	595.60	95.68
	For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0022	EA 36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	659.33	102.51
	For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0023	EA 48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen.....	724.95	109.35
	For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0024	Wall Hung, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		
10 21 13 13-0025	EA 18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	344.96	82.01
	For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0026	EA 24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	372.11	88.84
	For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0027	EA 30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen.....	393.47	95.68
	For Heavy Gauge Full-Height SS Brackets, Add	62.23	
10 21 13 13-0028	Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens (10 21 13 13-0019)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0029	EA		18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	441.34 62.23	88.84
<b>10 21 13 13-0030</b>			<b>Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>		
10 21 13 13-0031	EA		18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	491.47 62.23	88.84
10 21 13 13-0032	EA		24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	524.38 62.23	95.68
10 21 13 13-0033	EA		30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	557.30 62.23	102.51
<b>10 21 13 13-0034</b>			<b>Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens</b> <small>(10 21 13 13-0019)</small>		
10 21 13 13-0035	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	553.25 62.23	95.68
10 21 13 13-0036	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	593.87 62.23	102.51
10 21 13 13-0037	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	655.67 62.23	109.35
<b>10 21 13 13-0038</b>			<b>Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 13-0001)</small> Note: All colors.		
<b>10 21 13 13-0039</b>			<b>Enamel Coated Steel, Toilet Partition Doors</b> <small>(10 21 13 13-0038)</small>		
10 21 13 13-0040	EA		24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	347.30 100.14	27.35
10 21 13 13-0041	EA		26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	355.00 100.14	27.35
10 21 13 13-0042	EA		30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	376.43 100.14	29.40
10 21 13 13-0043	EA		34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	411.09 100.14	29.40
10 21 13 13-0044	EA		36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door <i>For Heavy Gauge Full-Height SS Hinge, Add</i>	418.79 100.14	29.40
<b>10 21 13 13-0045</b>			<b>Enamel Coated Steel, Toilet Partition Panels</b> <small>(10 21 13 13-0038)</small>		
10 21 13 13-0046	EA		6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	255.30 62.23	41.03
10 21 13 13-0047	EA		12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	281.39 62.23	44.44
10 21 13 13-0048	EA		18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	307.48 62.23	47.86
10 21 13 13-0049	EA		24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	333.56 62.23	51.28
10 21 13 13-0050	EA		30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	359.65 62.23	54.70
10 21 13 13-0051	EA		36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	385.74 62.23	58.12
10 21 13 13-0052	EA		42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	409.90 62.23	61.54
10 21 13 13-0053	EA		48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	436.00 62.23	64.96
10 21 13 13-0054	EA		55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	454.37 62.23	68.38
10 21 13 13-0055	EA		58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	464.81 42.00 62.23	69.74
10 21 13 13-0056	EA		60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	478.53 42.00 62.23	71.80
10 21 13 13-0057	EA		70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	521.95 42.00 62.23	75.21
10 21 13 13-0058	EA		78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel <i>For Panel Reinforced At ADA Grab Bar, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	559.59 42.00 62.23	78.63
<b>10 21 13 13-0059</b>			<b>70" Long, Enamel Coated Steel, Toilet Partition Pilasters</b> <small>(10 21 13 13-0038)</small>		
10 21 13 13-0060	EA		Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	191.18 62.23	20.51
10 21 13 13-0061	EA		5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	211.48 62.23	23.93
10 21 13 13-0062	EA		6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	233.72 62.23	27.35
10 21 13 13-0063	EA		8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	271.36 62.23	30.77
10 21 13 13-0064	EA		10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	307.08 62.23	34.19
10 21 13 13-0065	EA		12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	342.79 62.23	37.61
10 21 13 13-0066	EA		18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	440.10 62.23	41.03



**10 Specialties**

**10 20 Interior Specialties**

**10 21 Compartments and Cubicles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0067	EA		22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	504.69 62.23	44.44
10 21 13 13-0068	EA		24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	542.33 62.23	47.86
<b>10 21 13 13-0069</b>			<b>82" Long, Enamel Coated Steel, Toilet Partition Pilasters</b> <small>(10 21 13 13-0038)</small>		
10 21 13 13-0070	EA		Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	154.61 62.23	20.51
10 21 13 13-0071	EA		5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	169.14 62.23	23.93
10 21 13 13-0072	EA		6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	185.60 62.23	27.35
10 21 13 13-0073	EA		8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	209.76 62.23	30.77
10 21 13 13-0074	EA		10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	232.00 62.23	34.19
10 21 13 13-0075	EA		12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	256.16 62.23	37.61
10 21 13 13-0076	EA		18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	314.97 62.23	41.03
10 21 13 13-0077	EA		22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	354.54 62.23	44.44
10 21 13 13-0078	EA		24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	378.71 62.23	47.86
<b>10 21 13 13-0079</b>			<b>96" To 120" Long, Enamel Coated Steel, Partition Pilasters</b> <small>(10 21 13 13-0038)</small>		
10 21 13 13-0080	EA		Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	214.48 62.23	27.35
10 21 13 13-0081	EA		5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	234.79 62.23	30.77
10 21 13 13-0082	EA		6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	257.03 62.23	34.19
10 21 13 13-0083	EA		8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	294.66 62.23	37.61
10 21 13 13-0084	EA		10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	330.37 62.23	41.03
10 21 13 13-0085	EA		12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	366.09 62.23	44.44
10 21 13 13-0086	EA		18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	463.41 62.23	47.86
10 21 13 13-0087	EA		22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	527.98 62.23	51.28
10 21 13 13-0088	EA		24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	565.62 62.23	54.70
<b>10 21 13 14</b>			<b>Stainless-Steel Toilet Compartments</b> <small>(10 21 13)</small>		
<b>10 21 13 14-0001</b>			<b>Stainless Steel Toilet Partitions And Urinal Screens</b> <small>(10 21 13 14)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.		
<b>10 21 13 14-0002</b>			<b>Stainless Steel Toilet Partitions</b> <small>(10 21 13 14-0001)</small>		
<b>10 21 13 14-0003</b>			<b>Floor Anchored, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small>		
10 21 13 14-0004	EA		36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,523.29 -221.56 224.59 775.46	153.85
10 21 13 14-0005	EA		60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,042.03 224.59 947.44	167.52
10 21 13 14-0006	EA		60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,185.91 224.59 993.02	174.36
<b>10 21 13 14-0007</b>			<b>Overhead Braced, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small> Note: Includes headrail.		
10 21 13 14-0008	EA		36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,151.43 -177.54 224.59 621.38	188.04
10 21 13 14-0009	EA		60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,611.74 224.59 772.92	201.71
10 21 13 14-0010	EA		60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,843.10 224.59 849.10	208.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 14-0011			<b>Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA		36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,970.10 -252.57 224.59 883.98	222.22
10 21 13 14-0013	EA		60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,184.92 224.59 949.60	235.90
10 21 13 14-0014	EA		60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,332.96 224.59 996.63	242.74
10 21 13 14-0015			<b>Ceiling Hung, Stainless Steel, Complete Toilet Partitions</b> <small>(10 21 13 14-0002)</small> Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA		36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	2,982.03 -246.92 224.59 864.23	256.41
10 21 13 14-0017	EA		60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,618.77 224.59 1,077.51	270.09
10 21 13 14-0018	EA		60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	3,803.38 224.59 1,137.34	276.93
10 21 13 14-0019			<b>Stainless Steel Urinal Screens</b> <small>(10 21 13 14-0001)</small>		
10 21 13 14-0020			<b>Floor Anchored, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0021	EA		24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	844.53 62.23 228.61	95.68
10 21 13 14-0022	EA		36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	954.46 62.23 262.30	102.51
10 21 13 14-0023	EA		48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	975.99 62.23 265.06	109.35
10 21 13 14-0024			<b>Wall Hung, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0025	EA		18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	627.40 62.23 162.19	82.01
10 21 13 14-0026	EA		24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	678.93 62.23 175.43	88.84
10 21 13 14-0027	EA		30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	740.85 62.23 192.33	95.68
10 21 13 14-0028			<b>Wall Hung And Post Supported, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0029	EA		18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,006.99 62.23 290.26	88.84
10 21 13 14-0030	EA		24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,056.11 62.23 302.66	95.68
10 21 13 14-0031	EA		30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,105.00 62.23 314.99	102.51
10 21 13 14-0032			<b>Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens</b> <small>(10 21 13 14-0019)</small>		
10 21 13 14-0033	EA		22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	844.53 62.23 228.61	95.68
10 21 13 14-0034	EA		34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	954.45 62.23 262.30	102.51
10 21 13 14-0035	EA		46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,068.90 62.23 297.57	109.35
10 21 13 14-0036			<b>Stainless Steel Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 14-0001)</small>		
10 21 13 14-0037			<b>Stainless Steel, Toilet Partition Doors</b> <small>(10 21 13 14-0036)</small>		
10 21 13 14-0038	EA		24" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	548.81 100.14 172.94	27.35

**10 Specialties**

**10 20 Interior Specialties**

**10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 14-0039	EA 26" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	626.85 100.14 200.25	27.35
10 21 13 14-0040	EA 30" x 58" x 1", Stainless Steel, Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	644.50 100.14 204.04	30.77
10 21 13 14-0041	EA 34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	667.03 100.14 211.92	30.77
10 21 13 14-0042	EA 36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For Diamond Pattern Finish, Add</i>	673.30 100.14 214.12	30.77
<b>10 21 13 14-0043 Stainless Steel, Toilet Partition Panels (10 21 13 14-0036)</b>			
10 21 13 14-0044	EA 6" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	478.53 62.23 138.77	41.03
10 21 13 14-0045	EA 12" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	531.17 62.23 154.80	44.44
10 21 13 14-0046	EA 18" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	553.84 62.23 160.34	47.86
10 21 13 14-0047	EA 24" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	579.50 62.23 166.93	51.28
10 21 13 14-0048	EA 30" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	621.91 62.23 179.38	54.70
10 21 13 14-0049	EA 36" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	671.09 62.23 194.20	58.12
10 21 13 14-0050	EA 42" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	783.53 62.23 231.16	61.54
10 21 13 14-0051	EA 48" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	857.30 62.23 254.58	64.96
10 21 13 14-0052	EA 55" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	879.98 62.23 260.13	68.38
10 21 13 14-0053	EA 58" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	923.23 62.23 274.31	69.74
10 21 13 14-0054	EA 60" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	980.15 62.23 292.80	71.80
10 21 13 14-0055	EA 70" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,027.00 62.23 306.80	75.21
10 21 13 14-0056	EA 78" x 58" x 1", Stainless Steel, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	1,125.94 62.23 339.03	78.63
<b>10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)</b>			
10 21 13 14-0058	EA Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	329.87 62.23 101.09	20.51
10 21 13 14-0059	EA 5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	359.59 62.23 109.11	23.93
10 21 13 14-0060	EA 6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	391.09 62.23 117.74	27.35
10 21 13 14-0061	EA 8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	445.48 62.23 134.38	30.77
10 21 13 14-0062	EA 10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	499.88 62.23 151.03	34.19
10 21 13 14-0063	EA 12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	554.26 62.23 167.67	37.61
10 21 13 14-0064	EA 18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	702.00 62.23 216.98	41.03
10 21 13 14-0065	EA 22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	803.94 62.23 250.27	44.44
10 21 13 14-0066	EA 24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	858.33 62.23 266.91	47.86
<b>10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)</b>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 14-0068	EA		Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	253.33 62.23 74.31	20.51
10 21 13 14-0069	EA		5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	274.69 62.23 79.39	23.93
10 21 13 14-0070	EA		6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	296.80 62.23 84.74	27.35
10 21 13 14-0071	EA		8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	384.21 62.23 112.93	30.77
10 21 13 14-0072	EA		10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	433.51 62.23 127.80	34.19
10 21 13 14-0073	EA		12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	449.15 62.23 130.88	37.61
10 21 13 14-0074	EA		18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	508.56 62.23 149.28	41.03
10 21 13 14-0075	EA		22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	573.22 62.23 169.52	44.44
10 21 13 14-0076	EA		24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	608.74 62.23 179.55	47.86

**10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters (10 21 13 14-0036)**

10 21 13 14-0078	EA		Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	362.91 62.23 107.87	27.35
10 21 13 14-0079	EA		5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	397.93 62.23 117.74	30.77
10 21 13 14-0080	EA		6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	431.19 62.23 126.98	34.19
10 21 13 14-0081	EA		8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	494.38 62.23 146.71	37.61
10 21 13 14-0082	EA		10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	555.82 62.23 165.82	41.03
10 21 13 14-0083	EA		12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	617.25 62.23 184.93	44.44
10 21 13 14-0084	EA		18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	791.41 62.23 243.49	47.86
10 21 13 14-0085	EA		22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	907.43 62.23 281.70	51.28
10 21 13 14-0086	EA		24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Diamond Pattern Finish, Add</i>	970.63 62.23 301.43	54.70

**10 21 13 16 Plastic-Laminate-Clad Toilet Compartments (10 21 13)**

10 21 13 16-0001	<b>Laminated Plastic Toilet Partitions And Urinal Screens (10 21 13 16)</b>				
	Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.				
10 21 13 16-0002	<b>Laminated Plastic Toilet Partitions (10 21 13 16-0001)</b>				
	Note: Includes all standard Bobrick colors.				
10 21 13 16-0003	<b>Floor Anchored, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)</b>				
10 21 13 16-0004	EA		36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition <i>For &gt;10, Deduct</i> <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,402.74 -109.51 180.50 224.59	153.85
10 21 13 16-0005	EA		60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,710.48 180.52 224.59	167.52
10 21 13 16-0006	EA		60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition <i>For Cast Stainless Steel Hardware, Add</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	1,839.29 180.53 224.59	174.36
10 21 13 16-0007	<b>Overhead Braced, Laminated Plastic, Complete Toilet Partitions (10 21 13 16-0002)</b>				
	Note: Includes headrail.				

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition.....	1,524.58	188.04
		<i>For &gt;10, Deduct</i>	-114.85	
		<i>For Cast Stainless Steel Hardware, Add</i>	180.56	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,845.65	201.71
		<i>For Cast Stainless Steel Hardware, Add</i>	180.58	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	1,984.51	208.55
		<i>For Cast Stainless Steel Hardware, Add</i>	180.59	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 16-0011		<b>Ceiling Hung, Laminated Plastic, Complete Toilet Partitions</b> <small>(10 21 13 16-0002)</small>		
		Note: Excludes above ceiling steel.		
10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition .....	2,039.85	256.41
		<i>For &gt;10, Deduct</i>	-152.71	
		<i>For Cast Stainless Steel Hardware, Add</i>	180.67	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,371.22	270.09
		<i>For Cast Stainless Steel Hardware, Add</i>	180.70	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,500.04	276.93
		<i>For Cast Stainless Steel Hardware, Add</i>	180.71	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
10 21 13 16-0015		<b>Laminated Plastic Urinal Screens</b> <small>(10 21 13 16-0001)</small>		
		Note: Includes all standard Bobrick colors.		
10 21 13 16-0016		<b>Floor Anchored, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	599.76	95.68
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	653.49	102.51
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen .....	675.00	109.35
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0020		<b>Wall Hung, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	467.99	82.01
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	493.12	88.84
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen .....	517.19	95.68
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0024		<b>Wall Hung And Post Supported, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen .....	615.57	88.84
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen .....	674.92	95.68
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen .....	739.06	102.51
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0028		<b>Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens</b> <small>(10 21 13 16-0015)</small>		
10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen .....	570.10	88.84
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen .....	624.97	95.68
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen .....	645.84	102.51
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 16-0032		<b>Laminated Plastic Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 16-0001)</small>		
		Note: Includes all standard Bobrick colors.		
10 21 13 16-0033		<b>Laminated Plastic, Toilet Partition Doors</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	459.53	27.35
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	498.87	27.35
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door.....	516.44	30.77
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door .....	528.60	30.77
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door .....	540.04	30.77
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13 16-0039		<b>Laminated Plastic, Toilet Partition Panels</b> <small>(10 21 13 16-0032)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0040 EA 6" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	241.49 62.23	41.03
10 21 13 16-0041 EA 12" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	266.87 62.23	44.44
10 21 13 16-0042 EA 18" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	292.25 62.23	47.86
10 21 13 16-0043 EA 24" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	318.57 62.23	51.28
10 21 13 16-0044 EA 30" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	343.00 62.23	54.70
10 21 13 16-0045 EA 36" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	369.44 62.23	58.12
10 21 13 16-0046 EA 42" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	378.45 62.23	61.54
10 21 13 16-0047 EA 48" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	388.84 62.23	64.96
10 21 13 16-0048 EA 55" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	409.29 62.23	68.38
10 21 13 16-0049 EA 58" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	425.93 62.23	69.74
10 21 13 16-0050 EA 60" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	444.70 62.23	71.80
10 21 13 16-0051 EA 70" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	505.19 62.23	75.21
10 21 13 16-0052 EA 78" x 58" x 1", Laminated Plastic, Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	573.55 62.23	78.63
<b>10 21 13 16-0053 69" Long, Laminated Plastic, Toilet Partition Pilasters</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0054 EA Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	193.38 12.57 62.23 152.35	20.51
10 21 13 16-0055 EA 5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	223.10 14.46 62.23 175.24	23.93
10 21 13 16-0056 EA 6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	229.94 14.46 62.23 175.24	27.35
10 21 13 16-0057 EA 8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	253.94 15.87 62.23 192.40	30.77
10 21 13 16-0058 EA 10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	265.79 16.29 62.23 197.41	34.19
10 21 13 16-0059 EA 12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	289.07 17.64 62.23 213.86	37.61
10 21 13 16-0060 EA 18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	366.00 23.43 62.23 283.95	41.03
10 21 13 16-0061 EA 22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	441.51 29.09 62.23 352.62	44.44
10 21 13 16-0062 EA 24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	494.84 32.93 62.23 399.11	47.86
<b>10 21 13 16-0063 83" Long, Laminated Plastic, Toilet Partition Pilasters</b> <small>(10 21 13 16-0032)</small>		
10 21 13 16-0064 EA Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	373.62 27.44 62.23 332.59	20.51
10 21 13 16-0065 EA 5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	413.35 30.15 62.23 365.49	23.93
10 21 13 16-0066 EA 6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	420.19 30.15 62.23 365.49	27.35
10 21 13 16-0067 EA 8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	454.93 32.45 62.23 393.99	30.77
10 21 13 16-0068 EA 10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster ..... <i>For 1-1/4" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For Steel Core Pilaster, Add</i>	496.81 35.35 62.23 428.43	34.19



**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	530.82	37.61
		<i>For 1-1/4" Pilaster, Add</i>	37.59	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For Steel Core Pilaster, Add</i>	455.61	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	658.91	41.03
		<i>For 1-1/4" Pilaster, Add</i>	47.59	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For Steel Core Pilaster, Add</i>	576.86	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	749.78	44.44
		<i>For 1-1/4" Pilaster, Add</i>	54.52	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For Steel Core Pilaster, Add</i>	660.89	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster.....	770.21	47.86
		<i>For 1-1/4" Pilaster, Add</i>	55.64	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For Steel Core Pilaster, Add</i>	674.48	

**10 21 13 19 Plastic Toilet Compartments (10 21 13)**

10 21 13 19-0001		<b>Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens (10 21 13 19)</b> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
10 21 13 19-0002		<b>Recycled Solid Plastic (HDPE) Toilet Partitions (10 21 13 19-0001)</b> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0003		<b>Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)</b> Note: Includes headrail.		
10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,978.72	188.04
		<i>For &gt;10, Deduct</i>	-160.27	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	993.65	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,428.15	201.71
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	1,255.34	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,686.82	208.55
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	1,407.23	
10 21 13 19-0007		<b>Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)</b> Note: Excludes above ceiling steel.		
10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	1,986.39	222.22
		<i>For &gt;10, Deduct</i>	-154.20	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	956.01	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,475.03	235.90
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	1,242.01	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,733.69	242.74
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	1,393.90	
10 21 13 19-0011		<b>Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions (10 21 13 19-0002)</b> Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition.....	2,089.72	256.41
		<i>For &gt;10, Deduct</i>	-157.69	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	977.68	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,470.47	270.09
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	1,196.79	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	2,729.12	276.93
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	1,348.67	
10 21 13 19-0015		<b>Recycled Solid Plastic (HDPE) Urinal Screens (10 21 13 19-0001)</b> Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		<b>Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens (10 21 13 19-0015)</b>		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen.....	471.04	82.01
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	190.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0018	EA		24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	496.81 62.23 197.85	88.84
<b>10 21 13 19-0019</b>			<b>Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21 13 19-0020	EA		18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	595.02 62.23 258.74	88.84
10 21 13 19-0021	EA		24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	747.77 62.23 344.97	95.68
10 21 13 19-0022	EA		30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	829.93 62.23 387.44	102.51
<b>10 21 13 19-0023</b>			<b>Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens</b> <small>(10 21 13 19-0015)</small>		
10 21 13 19-0024	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	608.69 62.23 258.74	95.68
10 21 13 19-0025	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	761.43 62.23 344.97	102.51
10 21 13 19-0026	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	900.41 62.23 422.67	109.35
10 21 13 19-0027			<b>Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> <small>(10 21 13 19-0001)</small> Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0028</b>			<b>Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0029	EA		24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	467.21 100.14 255.76	27.35
10 21 13 19-0030	EA		26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	504.75 100.14 279.03	27.35
10 21 13 19-0031	EA		30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	548.86 100.14 302.14	30.77
10 21 13 19-0032	EA		34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	624.83 100.14 349.24	30.77
10 21 13 19-0033	EA		36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door ..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	642.81 100.14 360.39	30.77
<b>10 21 13 19-0034</b>			<b>Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0035	EA		6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	173.48 62.23 56.69	41.03
10 21 13 19-0036	EA		12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	271.76 62.23 113.38	44.44
10 21 13 19-0037	EA		18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	370.01 62.23 170.05	47.86
10 21 13 19-0038	EA		24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	430.77 62.23 203.49	51.28
10 21 13 19-0039	EA		30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	519.67 62.23 254.37	54.70
10 21 13 19-0040	EA		36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	555.21 62.23 272.16	58.12
10 21 13 19-0041	EA		42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	622.35 62.23 309.55	61.54
10 21 13 19-0042	EA		48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	700.50 62.23 353.76	64.96
10 21 13 19-0043	EA		55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	764.44 62.23 389.17	68.38
10 21 13 19-0044	EA		58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	781.01 62.23 397.74	69.74
10 21 13 19-0045	EA		60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	807.22 62.23 411.46	71.80

**10 Specialties**

**10 20 Interior Specialties**

**10 21 Compartments and Cubicles**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 21 13 19-0046	EA 70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	910.88 62.23 471.48	75.21
10 21 13 19-0047	EA 78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	981.11 62.23 510.78	78.63
<b>10 21 13 19-0048</b>	<b>82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0049	EA Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	217.16 62.23 109.20	20.51
10 21 13 19-0050	EA 5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	241.65 62.23 120.15	23.93
10 21 13 19-0051	EA 6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	263.06 62.23 129.18	27.35
10 21 13 19-0052	EA 8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	282.92 62.23 137.26	30.77
10 21 13 19-0053	EA 10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	317.57 62.23 154.50	34.19
10 21 13 19-0054	EA 12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	352.19 62.23 171.73	37.61
10 21 13 19-0055	EA 18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	481.02 62.23 247.36	41.03
10 21 13 19-0056	EA 22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	543.34 62.23 281.76	44.44
10 21 13 19-0057	EA 24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	591.49 62.23 307.37	47.86
<b>10 21 13 19-0058</b>	<b>96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0027)</small>		
10 21 13 19-0059	EA Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	265.65 62.23 130.79	27.35
10 21 13 19-0060	EA 5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	292.57 62.23 143.24	30.77
10 21 13 19-0061	EA 6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	322.33 62.23 157.45	34.19
10 21 13 19-0062	EA 8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	364.95 62.23 179.64	37.61
10 21 13 19-0063	EA 10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	407.98 62.23 202.08	41.03
10 21 13 19-0064	EA 12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	450.62 62.23 224.27	44.44
10 21 13 19-0065	EA 18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	575.46 62.23 297.43	47.86
10 21 13 19-0066	EA 22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	643.35 62.23 335.29	51.28
10 21 13 19-0067	EA 24" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	699.35 62.23 365.77	54.70
<b>10 21 13 19-0068</b>	<b>Anti-microbial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.		
<b>10 21 13 19-0069</b>	<b>Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partitions</b> <small>(10 21 13 19-0068)</small> Note: Includes all standard Columbia Partitions colors.		
<b>10 21 13 19-0070</b>	<b>Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> <small>(10 21 13 19-0069)</small> Note: Includes headrail.		
10 21 13 19-0071	EA 36" x 60", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,539.65 -216.36 224.59 1,341.43	188.04

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0072	EA		60" x 60", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,136.83 224.59 1,694.72	201.71
10 21 13 19-0073	EA		60" x 78", Overhead Braced, Anti-microbial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,481.24 224.59 1,899.77	208.55
10 21 13 19-0074			<b>Floor And Ceiling Anchored, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0069) Note: Excludes above ceiling steel.		
10 21 13 19-0075	EA		36" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,526.07 -208.16 224.59 1,290.61	222.22
10 21 13 19-0076	EA		60" x 60", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,176.15 224.59 1,676.70	235.90
10 21 13 19-0077	EA		60" x 78", Floor And Ceiling Anchored, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,520.56 224.59 1,881.76	242.74
10 21 13 19-0078			<b>Ceiling Hung, Anti-microbial Recycled Solid Plastic (HDPE), Complete Toilet Partitions</b> (10 21 13 19-0069) Note: Excludes above ceiling steel.		
10 21 13 19-0079	EA		36" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,641.65 -212.88 224.59 1,319.88	256.41
10 21 13 19-0080	EA		60" x 60", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,146.06 224.59 1,615.65	270.09
10 21 13 19-0081	EA		60" x 78", Ceiling Hung, Anti-microbial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,490.46 224.59 1,820.70	276.93
10 21 13 19-0082			<b>Anti-microbial Recycled Solid Plastic (HDPE) Urinal Screens</b> (10 21 13 19-0068) Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0083			<b>Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0082)		
10 21 13 19-0084	EA		18" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	578.48 62.23 256.97	82.01
10 21 13 19-0085	EA		24" x 42" x 1", Wall Hung, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	604.55 62.23 264.65	88.84
10 21 13 19-0086			<b>Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0082)		
10 21 13 19-0087	EA		18" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	928.84 62.23 465.71	88.84
10 21 13 19-0088	EA		24" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,055.49 62.23 535.76	95.68
10 21 13 19-0089	EA		30" x 42" x 1", Wall Hung And Post Supported, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,125.34 62.23 570.60	102.51
10 21 13 19-0090			<b>Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screens</b> (10 21 13 19-0082)		
10 21 13 19-0091	EA		24" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	754.73 62.23 349.29	95.68
10 21 13 19-0092	EA		36" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	956.17 62.23 465.71	102.51
10 21 13 19-0093	EA		48" x 55" x 1", Wall Hung And Overhead Braced, Anti-microbial Recycled Solid Plastic (HDPE), Urinal Screen ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,139.01 62.23 570.60	109.35
10 21 13 19-0094			<b>Anti-microbial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 19-0069) Note: Includes all standard Columbia Partitions colors.		

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0095			<b>Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Doors</b> (10 21 13 19-0094)		
10 21 13 19-0096	EA		24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	611.59	27.35
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
			<i>For NFPA Class A, Add</i>	345.27	
10 21 13 19-0097	EA		26" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	662.29	27.35
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
			<i>For NFPA Class A, Add</i>	376.71	
10 21 13 19-0098	EA		30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Door.....	719.42	30.77
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
			<i>For NFPA Class A, Add</i>	407.89	
10 21 13 19-0099	EA		34" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	821.99	30.77
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
			<i>For NFPA Class A, Add</i>	471.48	
10 21 13 19-0100	EA		36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door.....	846.25	30.77
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
			<i>For NFPA Class A, Add</i>	486.52	
10 21 13 19-0101			<b>Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panels</b> (10 21 13 19-0094)		
10 21 13 19-0102	EA		6" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	205.47	41.03
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	76.52	
10 21 13 19-0103	EA		12" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	335.76	44.44
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	153.06	
10 21 13 19-0104	EA		18" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	466.02	47.86
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	229.58	
10 21 13 19-0105	EA		24" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	545.64	51.28
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	274.71	
10 21 13 19-0106	EA		30" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	663.26	54.70
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	343.39	
10 21 13 19-0107	EA		36" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	708.85	58.12
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	367.42	
10 21 13 19-0108	EA		42" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	797.09	61.54
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	417.89	
10 21 13 19-0109	EA		48" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	900.22	64.96
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	477.59	
10 21 13 19-0110	EA		55" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	984.13	68.38
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	525.38	
10 21 13 19-0111	EA		58" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	1,005.54	69.74
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	536.95	
10 21 13 19-0112	EA		60" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	1,039.48	71.80
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	555.46	
10 21 13 19-0113	EA		70" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	1,177.05	75.21
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	636.50	
10 21 13 19-0114	EA		78" x 55" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Panel.....	1,269.44	78.63
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	689.55	
10 21 13 19-0115			<b>82" Long, Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> (10 21 13 19-0094)		
10 21 13 19-0116	EA		Up To 4" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	278.80	20.51
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	147.42	
10 21 13 19-0117	EA		5" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	309.48	23.93
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	162.20	
10 21 13 19-0118	EA		6" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	335.98	27.35
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	174.39	
10 21 13 19-0119	EA		8" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	387.57	30.77
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	202.14	
10 21 13 19-0120	EA		10" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	435.38	34.19
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	227.54	
10 21 13 19-0121	EA		12" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	483.12	37.61
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	252.90	
10 21 13 19-0122	EA		18" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	620.66	41.03
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	333.94	
10 21 13 19-0123	EA		22" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster.....	702.41	44.44
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
			<i>For NFPA Class A, Add</i>	380.38	



<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0124	EA		24" x 82" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	765.00 62.23 414.95	47.86
<b>10 21 13 19-0125</b>			<b>96" To 120", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters</b> <small>(10 21 13 19-0094)</small>		
10 21 13 19-0126	EA		Up To 4" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	339.49 62.23 176.57	27.35
10 21 13 19-0127	EA		5" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	373.44 62.23 193.38	30.77
10 21 13 19-0128	EA		6" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	411.22 62.23 212.56	34.19
10 21 13 19-0129	EA		8" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	466.38 62.23 242.53	37.61
10 21 13 19-0130	EA		10" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	522.07 62.23 272.81	41.03
10 21 13 19-0131	EA		12" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	577.22 62.23 302.76	44.44
10 21 13 19-0132	EA		18" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	743.38 62.23 401.54	47.86
10 21 13 19-0133	EA		22" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	832.62 62.23 452.64	51.28
10 21 13 19-0134	EA		24" x 96" To 120" x 1", Anti-microbial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster ..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	905.82 62.23 493.78	54.70
<b>10 21 13 19-0135</b>			<b>Solid Phenolic Toilet Partitions And Urinal Screens</b> <small>(10 21 13 19)</small> Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.		
<b>10 21 13 19-0136</b>			<b>Solid Phenolic Toilet Partitions</b> <small>(10 21 13 19-0135)</small> Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0137</b>			<b>Floor Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small>		
10 21 13 19-0138	EA		36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,109.39 -180.17 224.59 393.74	153.85
10 21 13 19-0139	EA		60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,585.93 224.59 489.44	167.52
10 21 13 19-0140	EA		60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,884.27 224.59 549.90	174.36
<b>10 21 13 19-0141</b>			<b>Overhead Braced, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> Note: Includes headrail.		
10 21 13 19-0142	EA		36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,346.20 -197.01 224.59 432.53	188.04
10 21 13 19-0143	EA		60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,841.53 224.59 532.18	201.71
10 21 13 19-0144	EA		60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	3,154.21 224.59 595.65	208.55
<b>10 21 13 19-0145</b>			<b>Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions</b> <small>(10 21 13 19-0136)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA		36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,429.97 -198.55 224.59 439.18	222.22
10 21 13 19-0147	EA		60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i> <i>For NFPA Class A, Add</i>	2,921.81 224.59 538.09	235.90



**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition.....	3,220.15	242.74
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	598.56	
<b>10 21 13 19-0149</b>		<b>Ceiling Hung, Solid Phenolic, Complete Toilet Partitions</b> (10 21 13 19-0136)		
		Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition.....	2,406.45	256.41
		<i>For &gt;10, Deduct</i>	-189.36	
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	423.30	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	2,882.64	270.09
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	518.93	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition .....	3,180.98	276.93
		<i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	224.59	
		<i>For NFPA Class A, Add</i>	579.39	
<b>10 21 13 19-0153</b>		<b>Solid Phenolic Urinal Screens</b> (10 21 13 19-0135)		
		Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0154</b>		<b>Floor Anchored, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	778.58	95.68
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	132.88	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	878.79	102.51
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	151.74	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen.....	1,050.53	109.35
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	185.62	
<b>10 21 13 19-0158</b>		<b>Wall Hung, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	503.05	82.01
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	79.40	
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	581.09	88.84
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	93.60	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen.....	695.70	95.68
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	115.48	
<b>10 21 13 19-0162</b>		<b>Wall Hung And Post Supported, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	512.31	88.84
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	79.15	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	637.50	95.68
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	103.26	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen.....	742.89	102.51
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	123.20	
<b>10 21 13 19-0166</b>		<b>Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens</b> (10 21 13 19-0153)		
10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen .....	798.76	88.84
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	139.31	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen .....	899.57	95.68
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	158.29	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen .....	1,074.54	102.51
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	192.85	
<b>10 21 13 19-0170</b>		<b>Solid Phenolic Toilet Partition Doors, Panels And Pilasters</b> (10 21 13 19-0135)		
		Note: Includes all standard Bobrick colors.		
<b>10 21 13 19-0171</b>		<b>Solid Phenolic, Toilet Partition Doors</b> (10 21 13 19-0170)		
10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....	568.25	27.35
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
		<i>For NFPA Class A, Add</i>	110.58	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....	587.56	27.35
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
		<i>For NFPA Class A, Add</i>	114.64	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door .....	643.95	30.77
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
		<i>For NFPA Class A, Add</i>	125.38	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door.....	694.31	30.77
		<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
		<i>For NFPA Class A, Add</i>	135.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21	13	19-0176	EA 36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door..... <i>For Heavy Gauge Full-Height SS Hinge, Add</i> <i>For NFPA Class A, Add</i>	746.03 100.14 146.82	30.77
<b>10 21</b>	<b>13</b>	<b>19-0177</b>	<b>Solid Phenolic, Toilet Partition Panels</b> (10 21 13 19-0170)		
10 21	13	19-0178	EA 6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	189.08 62.23 26.58	41.03
10 21	13	19-0179	EA 12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	249.39 62.23 38.15	44.44
10 21	13	19-0180	EA 18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	336.45 62.23 55.34	47.86
10 21	13	19-0181	EA 24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	424.42 62.23 72.72	51.28
10 21	13	19-0182	EA 30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	472.63 62.23 81.75	54.70
10 21	13	19-0183	EA 36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	523.22 62.23 91.28	58.12
10 21	13	19-0184	EA 42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	608.91 62.23 108.18	61.54
10 21	13	19-0185	EA 48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	697.11 62.23 125.61	64.96
10 21	13	19-0186	EA 55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	743.28 62.23 134.21	68.38
10 21	13	19-0187	EA 58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	763.90 62.23 138.10	69.74
10 21	13	19-0188	EA 60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	778.73 62.23 140.56	71.80
10 21	13	19-0189	EA 70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	894.29 62.23 163.73	75.21
10 21	13	19-0190	EA 78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel..... <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	1,077.08 62.23 201.02	78.63
<b>10 21</b>	<b>13</b>	<b>19-0191</b>	<b>69" Long, Solid Phenolic, Toilet Partition Pilasters</b> (10 21 13 19-0170)		
10 21	13	19-0192	EA Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	272.06 28.88 62.23 50.57	20.51
10 21	13	19-0193	EA 5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	313.22 33.17 62.23 58.12	23.93
10 21	13	19-0194	EA 6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	320.06 33.17 62.23 58.46	27.35
10 21	13	19-0195	EA 8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	370.53 38.62 62.23 67.96	30.77
10 21	13	19-0196	EA 10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	416.71 43.54 62.23 76.57	34.19
10 21	13	19-0197	EA 12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	462.88 48.46 62.23 85.17	37.61
10 21	13	19-0198	EA 16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	590.59 63.57 62.23 110.90	41.03
10 21	13	19-0199	EA 20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	724.03 79.39 62.23 137.82	44.44
10 21	13	19-0200	EA 24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster ..... <i>For 1" Pilaster, Add</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i> <i>For NFPA Class A, Add</i>	760.91 83.15 62.23 144.47	47.86
<b>10 21</b>	<b>13</b>	<b>19-0201</b>	<b>83" Long, Solid Phenolic, Toilet Partition Pilasters</b> (10 21 13 19-0170)		

**10 Specialties****10 20 Interior Specialties****10 21 Compartments and Cubicles**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	297.80	20.51
		<i>For 1" Pilaster, Add</i>	32.10	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	55.97	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	348.98	23.93
		<i>For 1" Pilaster, Add</i>	37.64	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	65.63	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	355.82	27.35
		<i>For 1" Pilaster, Add</i>	37.64	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	65.97	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	412.01	30.77
		<i>For 1" Pilaster, Add</i>	43.81	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	76.68	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	465.34	34.19
		<i>For 1" Pilaster, Add</i>	49.62	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	86.78	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	519.04	37.61
		<i>For 1" Pilaster, Add</i>	55.48	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	96.96	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	674.28	41.03
		<i>For 1" Pilaster, Add</i>	74.03	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	128.47	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	802.37	44.44
		<i>For 1" Pilaster, Add</i>	89.19	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	154.28	
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	844.25	47.86
		<i>For 1" Pilaster, Add</i>	93.57	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	161.98	
10 21 13 19-0211		<b>96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters</b> (10 21 13 19-0170)		
10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	337.22	27.35
		<i>For 1" Pilaster, Add</i>	35.32	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	62.06	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	398.42	30.77
		<i>For 1" Pilaster, Add</i>	42.11	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	73.82	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	405.26	34.19
		<i>For 1" Pilaster, Add</i>	42.11	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	74.16	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	467.17	37.61
		<i>For 1" Pilaster, Add</i>	49.00	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	86.07	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	527.65	41.03
		<i>For 1" Pilaster, Add</i>	55.70	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	97.68	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	588.85	44.44
		<i>For 1" Pilaster, Add</i>	62.50	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	109.44	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	771.64	47.86
		<i>For 1" Pilaster, Add</i>	84.49	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	146.73	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	894.34	51.28
		<i>For 1" Pilaster, Add</i>	98.97	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	171.40	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	941.24	54.70
		<i>For 1" Pilaster, Add</i>	103.98	
		<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
		<i>For NFPA Class A, Add</i>	180.16	
10 21 13 19-0221		<b>Solid Polyester (Corian) Toilet Partitions And Urinal Screens</b> (10 21 13 19)		
		Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.		
10 21 13 19-0222		<b>Solid Polyester (Corian) Toilet Partitions</b> (10 21 13 19-0221)		
		Note: Small particulate finish.		
10 21 13 19-0223		<b>Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> (10 21 13 19-0222)		

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Compartments and Cubicles</b>	<b>10 21</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0224	EA		36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,131.75 -482.41 -1,109.54 224.59	153.85
10 21 13 19-0225	EA		60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	6,196.46 -1,348.13 224.59	167.52
10 21 13 19-0226	EA		60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	6,871.08 -1,500.15 224.59	174.36
<b>10 21 13 19-0227</b>			<b>Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0227)</small>		
10 21 13 19-0228	EA		36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,331.53 -495.55 -1,139.76 224.59	188.04
10 21 13 19-0229	EA		60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	7,002.22 -1,517.73 224.59	201.71
10 21 13 19-0230	EA		60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	7,750.87 -1,686.77 224.59	208.55
<b>10 21 13 19-0231</b>			<b>Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0231)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA		36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	5,973.07 -552.86 -1,271.58 224.59	222.22
10 21 13 19-0233	EA		60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	8,018.96 -1,735.85 224.59	235.90
10 21 13 19-0234	EA		60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	8,767.01 -1,904.76 224.59	242.74
<b>10 21 13 19-0235</b>			<b>Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions</b> <small>(10 21 13 19-0235)</small> Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA		36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition ..... <i>For &gt;10, Deduct</i> <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	6,034.34 -552.16 -1,269.96 224.59	256.41
10 21 13 19-0237	EA		60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	7,705.67 -1,648.06 224.59	270.09
10 21 13 19-0238	EA		60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition ..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Hinges And Brackets, Add</i>	8,453.70 -1,816.97 224.59	276.93
<b>10 21 13 19-0239</b>			<b>Solid Polyester (Corian) Urinal Screens</b> <small>(10 21 13 19-0239)</small>		
<b>10 21 13 19-0240</b>			<b>Floor Anchored, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0240)</small>		
10 21 13 19-0241	EA		24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,418.42 -282.22 62.23	95.68
10 21 13 19-0242	EA		36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,872.72 -383.57 62.23	102.51
10 21 13 19-0243	EA		48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	2,327.03 -484.92 62.23	109.35
<b>10 21 13 19-0244</b>			<b>Wall Hung, Solid Polyester (Corian), Urinal Screens</b> <small>(10 21 13 19-0244)</small>		
10 21 13 19-0245	EA		18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	727.60 -129.63 62.23	82.01
10 21 13 19-0246	EA		24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	929.13 -172.83 62.23	88.84
10 21 13 19-0247	EA		30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen..... <i>For Solid Color Material (No Particulate), Deduct</i> <i>For Heavy Gauge Full-Height SS Brackets, Add</i>	1,130.67 -216.04 62.23	95.68

## 10 Specialties

## 10 20 Interior Specialties

## 10 21 Compartments and Cubicles

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13	19-0248		Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens <sup>(10)</sup>		
			<sup>(21 13 19-0239)</sup>		
10 21 13	19-0249	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	950.76	88.84
			<i>For Solid Color Material (No Particulate), Deduct</i>	-177.81	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,184.77	95.68
			<i>For Solid Color Material (No Particulate), Deduct</i>	-228.48	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen.....	1,418.73	102.51
			<i>For Solid Color Material (No Particulate), Deduct</i>	-279.15	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0252		Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens		
			<sup>(10 21 13 19-0239)</sup>		
10 21 13	19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	1,452.77	88.84
			<i>For Solid Color Material (No Particulate), Deduct</i>	-293.27	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0254	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	1,907.08	95.68
			<i>For Solid Color Material (No Particulate), Deduct</i>	-394.62	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0255	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen .....	2,361.39	102.51
			<i>For Solid Color Material (No Particulate), Deduct</i>	-495.97	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0256		Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters <sup>(10 21 13 19-0221)</sup>		
10 21 13	19-0257		Solid Polyester (Corian), Toilet Partition Doors <sup>(10 21 13 19-0256)</sup>		
10 21 13	19-0258	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,119.56	27.35
			<i>For Solid Color Material (No Particulate), Deduct</i>	-244.92	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13	19-0259	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,195.67	27.35
			<i>For Solid Color Material (No Particulate), Deduct</i>	-262.42	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13	19-0260	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,363.48	30.77
			<i>For Solid Color Material (No Particulate), Deduct</i>	-299.45	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13	19-0261	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,520.53	30.77
			<i>For Solid Color Material (No Particulate), Deduct</i>	-335.57	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13	19-0262	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door .....	1,588.87	30.77
			<i>For Solid Color Material (No Particulate), Deduct</i>	-351.29	
			<i>For Heavy Gauge Full-Height SS Hinge, Add</i>	100.14	
10 21 13	19-0263		Solid Polyester (Corian), Toilet Partition Panels <sup>(10 21 13 19-0256)</sup>		
10 21 13	19-0264	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	302.36	41.03
			<i>For Solid Color Material (No Particulate), Deduct</i>	-50.67	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0265	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	529.53	44.44
			<i>For Solid Color Material (No Particulate), Deduct</i>	-101.35	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0266	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	756.68	47.86
			<i>For Solid Color Material (No Particulate), Deduct</i>	-152.02	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0267	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	983.84	51.28
			<i>For Solid Color Material (No Particulate), Deduct</i>	-202.69	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0268	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,210.99	54.70
			<i>For Solid Color Material (No Particulate), Deduct</i>	-253.37	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0269	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,438.14	58.12
			<i>For Solid Color Material (No Particulate), Deduct</i>	-304.04	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0270	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,665.31	61.54
			<i>For Solid Color Material (No Particulate), Deduct</i>	-354.71	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0271	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	1,892.46	64.96
			<i>For Solid Color Material (No Particulate), Deduct</i>	-405.38	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0272	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,156.33	68.38
			<i>For Solid Color Material (No Particulate), Deduct</i>	-464.50	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0273	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,269.25	69.74
			<i>For Solid Color Material (No Particulate), Deduct</i>	-489.84	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0274	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,346.77	71.80
			<i>For Solid Color Material (No Particulate), Deduct</i>	-506.73	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0275	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	2,720.80	75.21
			<i>For Solid Color Material (No Particulate), Deduct</i>	-591.19	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13	19-0276	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel.....	3,021.40	78.63
			<i>For Solid Color Material (No Particulate), Deduct</i>	-658.75	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 21 13 19-0277			<b>72" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0278	EA		Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	386.81	20.51
			<i>For Solid Color Material (No Particulate), Deduct</i>	-79.53	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0279	EA		5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	480.08	23.93
			<i>For Solid Color Material (No Particulate), Deduct</i>	-99.41	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0280	EA		6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	573.36	27.35
			<i>For Solid Color Material (No Particulate), Deduct</i>	-119.29	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0281	EA		8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	753.12	30.77
			<i>For Solid Color Material (No Particulate), Deduct</i>	-159.06	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0282	EA		10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	932.85	34.19
			<i>For Solid Color Material (No Particulate), Deduct</i>	-198.83	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0283	EA		12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,112.56	37.61
			<i>For Solid Color Material (No Particulate), Deduct</i>	-238.59	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0284	EA		18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,638.07	41.03
			<i>For Solid Color Material (No Particulate), Deduct</i>	-357.88	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0285	EA		22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,990.71	44.44
			<i>For Solid Color Material (No Particulate), Deduct</i>	-437.42	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0286	EA		24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,170.44	47.86
			<i>For Solid Color Material (No Particulate), Deduct</i>	-477.18	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0287			<b>82" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0288	EA		Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	434.83	20.51
			<i>For Solid Color Material (No Particulate), Deduct</i>	-90.57	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0289	EA		5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	540.13	23.93
			<i>For Solid Color Material (No Particulate), Deduct</i>	-113.22	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0290	EA		6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	634.16	27.35
			<i>For Solid Color Material (No Particulate), Deduct</i>	-133.28	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0291	EA		8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	864.17	30.77
			<i>For Solid Color Material (No Particulate), Deduct</i>	-184.60	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0292	EA		10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,052.90	34.19
			<i>For Solid Color Material (No Particulate), Deduct</i>	-226.44	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0293	EA		12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,256.63	37.61
			<i>For Solid Color Material (No Particulate), Deduct</i>	-271.73	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0294	EA		18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,854.19	41.03
			<i>For Solid Color Material (No Particulate), Deduct</i>	-407.59	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0295	EA		22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,254.85	44.44
			<i>For Solid Color Material (No Particulate), Deduct</i>	-498.17	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0296	EA		24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,458.59	47.86
			<i>For Solid Color Material (No Particulate), Deduct</i>	-543.46	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0297			<b>96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters</b> <small>(10 21 13 19-0256)</small>		
10 21 13 19-0298	EA		Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	573.36	27.35
			<i>For Solid Color Material (No Particulate), Deduct</i>	-119.29	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0299	EA		5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	709.88	30.77
			<i>For Solid Color Material (No Particulate), Deduct</i>	-149.12	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0300	EA		6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	846.40	34.19
			<i>For Solid Color Material (No Particulate), Deduct</i>	-178.94	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0301	EA		8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,112.56	37.61
			<i>For Solid Color Material (No Particulate), Deduct</i>	-238.59	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0302	EA		10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,378.74	41.03
			<i>For Solid Color Material (No Particulate), Deduct</i>	-298.24	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0303	EA		12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,644.91	44.44
			<i>For Solid Color Material (No Particulate), Deduct</i>	-357.88	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0304	EA		18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,429.77	47.86
			<i>For Solid Color Material (No Particulate), Deduct</i>	-536.83	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0305	EA		22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,955.29	51.28
			<i>For Solid Color Material (No Particulate), Deduct</i>	-656.13	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	
10 21 13 19-0306	EA		24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	3,221.46	54.70
			<i>For Solid Color Material (No Particulate), Deduct</i>	-715.77	
			<i>For Heavy Gauge Full-Height SS Brackets, Add</i>	62.23	



**10 Specialties**

**10 20 Interior Specialties**

**10 21 Compartments and Cubicles**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**10 21 13 43 Compartments and Cubicles Common Accessories (10 21 13)**

**10 21 13 43-0001 Accessories (10 21 13 43)**

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens.....	15.09	2.73
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens .....	25.75	2.73
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts .....	123.11	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket .....	79.27	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket .....	131.73	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket .....	95.01	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket.....	226.49	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors.....	201.24	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge.....	158.00	

**10 21 16 Shower and Dressing Compartments (10 21)**

**10 21 16 17 Phenolic-Core Shower and Dressing Compartments (10 21 16)**

**10 21 16 17-0001 Shower Dividers (10 21 16 17)**

**10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers (10 21 16 17-0001)**

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,347.53	170.94
		<i>For 66" High Panels, Add</i>	<i>150.85</i>	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	1,710.11	184.62
		<i>For 66" High Panels, Add</i>	<i>201.13</i>	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	2,230.03	205.13
		<i>For 66" High Panels, Add</i>	<i>272.96</i>	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	2,633.60	239.32
		<i>For 66" High Panels, Add</i>	<i>323.25</i>	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider.....	3,037.20	273.51
		<i>For 66" High Panels, Add</i>	<i>373.53</i>	

**10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track (10 21 16 17-0001)**

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track .....	3,314.50	300.44
		<i>For 66" High Panels, Add</i>	<i>467.13</i>	
		<i>For 6" Wide Head Rail, Add</i>	<i>87.42</i>	
		<i>For 8" Wide Head Rail, Add</i>	<i>120.56</i>	
		<i>For 10" Wide Head Rail, Add</i>	<i>147.70</i>	
		<i>For 12" Wide Head Rail, Add</i>	<i>177.84</i>	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	<i>145.08</i>	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	<i>185.08</i>	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track .....	4,114.77	328.07
		<i>For 66" High Panels, Add</i>	<i>584.41</i>	
		<i>For 6" Wide Head Rail, Add</i>	<i>110.32</i>	
		<i>For 8" Wide Head Rail, Add</i>	<i>151.47</i>	
		<i>For 10" Wide Head Rail, Add</i>	<i>186.05</i>	
		<i>For 12" Wide Head Rail, Add</i>	<i>223.92</i>	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	<i>150.62</i>	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	<i>190.62</i>	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track .....	5,220.46	348.85
		<i>For 66" High Panels, Add</i>	<i>748.18</i>	
		<i>For 6" Wide Head Rail, Add</i>	<i>142.66</i>	
		<i>For 8" Wide Head Rail, Add</i>	<i>194.86</i>	
		<i>For 10" Wide Head Rail, Add</i>	<i>240.09</i>	
		<i>For 12" Wide Head Rail, Add</i>	<i>288.81</i>	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	<i>154.77</i>	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	<i>194.77</i>	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track .....	5,569.38	390.29
		<i>For 66" High Panels, Add</i>	<i>796.38</i>	
		<i>For 6" Wide Head Rail, Add</i>	<i>151.47</i>	
		<i>For 8" Wide Head Rail, Add</i>	<i>207.16</i>	
		<i>For 10" Wide Head Rail, Add</i>	<i>255.05</i>	
		<i>For 12" Wide Head Rail, Add</i>	<i>306.84</i>	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	<i>163.05</i>	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	<i>203.05</i>	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track .....	6,382.05	424.20
		<i>For 66" High Panels, Add</i>	<i>914.89</i>	
		<i>For 6" Wide Head Rail, Add</i>	<i>174.49</i>	
		<i>For 8" Wide Head Rail, Add</i>	<i>238.32</i>	
		<i>For 10" Wide Head Rail, Add</i>	<i>293.65</i>	
		<i>For 12" Wide Head Rail, Add</i>	<i>353.23</i>	
		<i>For 18" Wide, 1/2" Thick Bench, Add</i>	<i>169.83</i>	
		<i>For 24" Wide, 1/2" Thick Bench, Add</i>	<i>209.83</i>	

**10 22 Partitions (10 20)**

**10 22 13 Wire Mesh Partitions (10 22)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 22 13 00-0001</b>			<b>Wall Panels</b> <small>(10 22 13)</small> Note: Includes steel frame and posts. Posts bolted to floor.		
10 22 13 00-0002	SF		Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts ..... <i>For 5' Wide Panels, Add</i>	15.53 0.61	1.71
10 22 13 00-0003	SF		Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts ..... <i>For 5' Wide Panels, Add</i>	17.24 0.66	2.05
10 22 13 00-0004	SF		Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts ..... <i>For 5' Wide Panels, Add</i>	26.04 1.06	2.39

<b>10 22 13 00-0005</b>			<b>Ceiling Panels</b> <small>(10 22 13)</small> Note: Includes steel frame.		
10 22 13 00-0006	SF		Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	16.14	2.05
10 22 13 00-0007	SF		Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	17.86	2.39
10 22 13 00-0008	SF		Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts .....	19.80	2.73

<b>10 22 13 00-0009</b>			<b>Sliding Doors</b> <small>(10 22 13)</small> Note: Includes padlocks lugs and/or provisions for cylinder lock.		
10 22 13 00-0010	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,513.21 155.19 310.38	358.97
10 22 13 00-0011	EA		4' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,599.21 160.57 321.13	396.57
10 22 13 00-0012	EA		5' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,742.48 179.32 358.64	410.25
10 22 13 00-0013	EA		5' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,899.83 196.09 392.17	444.44
10 22 13 00-0014	EA		6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,967.99 200.84 401.68	471.79
10 22 13 00-0015	EA		6' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,160.18 224.20 448.40	499.14
10 22 13 00-0016	EA		8' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,321.66 240.90 481.80	536.75
10 22 13 00-0017	EA		8' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,520.49 265.94 531.88	560.68
10 22 13 00-0018	EA		10' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,545.15 266.90 533.80	574.35
10 22 13 00-0019	EA		10' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Sliding Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	2,802.23 298.63 597.25	608.54

<b>10 22 13 00-0020</b>			<b>Swing Doors</b> <small>(10 22 13)</small>		
<b>10 22 13 00-0021</b>			<b>Single Swing Door</b> <small>(10 22 13 00-0020)</small>		
10 22 13 00-0022	EA		3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,030.04 108.92 217.85	211.97
10 22 13 00-0023	EA		3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,106.76 118.15 236.30	239.32
10 22 13 00-0024	EA		3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,185.33 127.20 254.40	252.99
10 22 13 00-0025	EA		4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,175.13 121.57 243.14	273.51
10 22 13 00-0026	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,256.39 131.02 262.05	287.18
10 22 13 00-0027	EA		4' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Swing Door, With Cylinder Lock..... <i>For 8 Gauge, Add</i> <i>For 6 Gauge, Add</i>	1,312.99 136.78 273.56	300.85

**10 Specialties**

**10 20 Interior Specialties**

**10 22 Partitions**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 22 13 00-0028 Double Swing Doors** (10 22 13 00-0020)

10 22 13 00-0029	EA		6' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,624.60	341.87
			<i>For 8 Gauge, Add</i> .....	175.31	
			<i>For 6 Gauge, Add</i> .....	350.63	
10 22 13 00-0030	EA		6' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,756.30	362.39
			<i>For 8 Gauge, Add</i> .....	190.97	
			<i>For 6 Gauge, Add</i> .....	381.93	
10 22 13 00-0031	EA		6' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	1,887.98	382.90
			<i>For 8 Gauge, Add</i> .....	206.62	
			<i>For 6 Gauge, Add</i> .....	413.23	
10 22 13 00-0032	EA		8 x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,026.37	410.25
			<i>For 8 Gauge, Add</i> .....	221.90	
			<i>For 6 Gauge, Add</i> .....	443.81	
10 22 13 00-0033	EA		8 x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,213.61	430.76
			<i>For 8 Gauge, Add</i> .....	245.89	
			<i>For 6 Gauge, Add</i> .....	491.78	
10 22 13 00-0034	EA		8 x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Double Swing Door, With Cylinder Lock.....	2,398.73	451.28
			<i>For 8 Gauge, Add</i> .....	269.55	
			<i>For 6 Gauge, Add</i> .....	539.11	

**10 22 13 00-0035 Dutch Doors** (10 22 13)

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0036	EA		3' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,375.66	211.97
			<i>For 8 Gauge, Add</i> .....	160.77	
			<i>For 6 Gauge, Add</i> .....	321.53	
10 22 13 00-0037	EA		3' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,458.54	239.32
			<i>For 8 Gauge, Add</i> .....	170.92	
			<i>For 6 Gauge, Add</i> .....	341.84	
10 22 13 00-0038	EA		3' x 9' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,502.93	252.99
			<i>For 8 Gauge, Add</i> .....	174.84	
			<i>For 6 Gauge, Add</i> .....	349.68	
10 22 13 00-0039	EA		3' x 10' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,588.32	287.18
			<i>For 8 Gauge, Add</i> .....	180.81	
			<i>For 6 Gauge, Add</i> .....	361.63	
10 22 13 00-0040	EA		4' x 7' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,525.75	273.51
			<i>For 8 Gauge, Add</i> .....	174.16	
			<i>For 6 Gauge, Add</i> .....	348.33	
10 22 13 00-0041	EA		4' x 8' Wire Mesh, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames Dutch Door, With Cylinder Lock.....	1,618.00	287.18
			<i>For 8 Gauge, Add</i> .....	185.27	
			<i>For 6 Gauge, Add</i> .....	370.53	

**10 22 33 Accordion Folding Partitions** (10 22)

**10 22 33 00-0001 Accordion Doors/Partitions** (10 22 33)

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF		15 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	100.48	6.45
			<i>For &lt;135, Add</i> .....	20.10	
10 22 33 00-0003	SF		20 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	102.04	6.67
			<i>For &lt;135, Add</i> .....	20.41	
10 22 33 00-0004	SF		31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	106.86	6.88
			<i>For &lt;135, Add</i> .....	21.37	
10 22 33 00-0005	SF		35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	113.36	7.10
			<i>For &lt;135, Add</i> .....	22.67	
10 22 33 00-0006	SF		39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	115.33	7.31
			<i>For &lt;135, Add</i> .....	23.07	
10 22 33 00-0007	SF		40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	116.76	7.53
			<i>For &lt;135, Add</i> .....	23.35	
10 22 33 00-0008	SF		41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	118.12	7.73
			<i>For &lt;135, Add</i> .....	23.62	
10 22 33 00-0009	SF		44 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	119.90	8.17
			<i>For &lt;135, Add</i> .....	23.98	
10 22 33 00-0010	SF		47 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	127.04	8.17
			<i>For &lt;135, Add</i> .....	25.41	
10 22 33 00-0011	SF		50 STC Rating, Accordion Door/Partition With Standard Vinyl Finish.....	134.17	8.17
			<i>For &lt;135, Add</i> .....	26.83	

**10 22 43 Sliding Partitions** (10 22)

**10 22 43 00-0001 Operable Wall** (10 22 43)

Note: Includes top support track, assembled panel and frames.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0002	SF		Up To 720 SF, Up To 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	269.88	26.17
			For 43 STC, Deduct	-12.36	
			For 49 STC, Add	15.69	
			For 52 STC, Add	23.77	
10 22 43 00-0003	SF		>720 To 1,200 SF, Up To 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	249.80	21.09
			For 43 STC, Deduct	-12.10	
			For 49 STC, Add	15.35	
			For 52 STC, Add	23.26	
10 22 43 00-0004	SF		>1,200 SF, Up To 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	235.10	17.50
			For 43 STC, Deduct	-11.84	
			For 49 STC, Add	15.03	
			For 52 STC, Add	22.77	
10 22 43 00-0005	SF		Up To 1,080 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	228.95	18.40
			For 43 STC, Deduct	-11.25	
			For 49 STC, Add	14.28	
			For 52 STC, Add	21.64	
10 22 43 00-0006	SF		>1,080 To 1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	213.74	14.96
			For 43 STC, Deduct	-10.94	
			For 49 STC, Add	13.88	
			For 52 STC, Add	21.03	
10 22 43 00-0007	SF		>1,800 SF, >12' To 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	204.88	13.47
			For 43 STC, Deduct	-10.67	
			For 49 STC, Add	13.55	
			For 52 STC, Add	20.52	
10 22 43 00-0008	SF		Up To 1,440 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	202.82	14.51
			For 43 STC, Deduct	-10.33	
			For 49 STC, Add	13.12	
			For 52 STC, Add	19.87	
10 22 43 00-0009	SF		>1,440 To 2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	191.36	12.42
			For 43 STC, Deduct	-10.01	
			For 49 STC, Add	12.70	
			For 52 STC, Add	19.25	
10 22 43 00-0010	SF		>2,400 SF, >18' To 22'-3" High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating Note: Includes pocket door, two ADA pass doors, track and hardware.	183.54	11.07
			For 43 STC, Deduct	-9.75	
			For 49 STC, Add	12.38	
			For 52 STC, Add	18.75	
10 22 43 00-0011	SF		Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes pocket door, track and hardware.	203.89	17.50
			For 44 STC, Deduct	-9.79	
			For 49 STC, Add	12.43	
			For 52 STC, Add	18.83	
10 22 43 00-0012	SF		>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes pocket door, track and hardware.	187.01	13.31
			For 44 STC, Deduct	-9.53	
			For 49 STC, Add	12.10	
			For 52 STC, Add	18.33	
10 22 43 00-0013	SF		>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating Note: Includes pocket door, track and hardware.	177.34	11.22
			For 44 STC, Deduct	-9.31	
			For 49 STC, Add	11.82	
			For 52 STC, Add	17.91	

**10 26 Wall and Door Protection** (10 20)

**10 26 13 Corner Guards** (10 26)

10 26 13 00-0001			Vinyl Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0002			Rigid Vinyl Corner Guards <small>(10 26 13 00-0001)</small>		
10 26 13 00-0003			Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0002)</small>		
10 26 13 00-0004			90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards <small>(10 26 13 00-0003)</small>		
10 26 13 00-0005	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34) <small>(10 26 13 00-0004)</small>	9.02	4.10
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.18	

**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	9.55	4.10
		<i>For &gt;50 To 100, Deduct</i>	-1.71	
		<i>For &gt;100 To 200, Deduct</i>	-2.39	
		<i>For &gt;200, Deduct</i>	-3.21	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	12.50	4.10
		<i>For &gt;50 To 100, Deduct</i>	-1.71	
		<i>For &gt;100 To 200, Deduct</i>	-2.39	
		<i>For &gt;200, Deduct</i>	-3.36	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	16.19	4.10
		<i>For &gt;50 To 100, Deduct</i>	-1.71	
		<i>For &gt;100 To 200, Deduct</i>	-2.39	
		<i>For &gt;200, Deduct</i>	-3.54	
10 26 13 00-0009		<b>135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards</b> (10 26 13 00-0003)		
10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	15.52	4.10
		<i>For &gt;50 To 100, Deduct</i>	-1.71	
		<i>For &gt;100 To 200, Deduct</i>	-2.39	
		<i>For &gt;200, Deduct</i>	-3.51	
10 26 13 00-0011		<b>Rigid Vinyl Corner Guards With Aluminum Retainers</b> (10 26 13 00-0001)		
		Note: Includes closure caps.		
10 26 13 00-0012		<b>Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> (10 26 13 00-0011)		
10 26 13 00-0013		<b>90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> (10 26 13 00-0012)		
10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	16.26	6.15
		<i>For &gt;50 To 100, Deduct</i>	-2.56	
		<i>For &gt;100 To 200, Deduct</i>	-3.59	
		<i>For &gt;200, Deduct</i>	-4.91	
		<i>For Recycled Vinyl Retainer, Deduct</i>	-1.20	
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	17.90	6.15
		<i>For &gt;50 To 100, Deduct</i>	-2.56	
		<i>For &gt;100 To 200, Deduct</i>	-3.59	
		<i>For &gt;200, Deduct</i>	-5.00	
		<i>For Recycled Vinyl Retainer, Deduct</i>	-1.53	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	19.54	6.15
		<i>For &gt;50 To 100, Deduct</i>	-2.56	
		<i>For &gt;100 To 200, Deduct</i>	-3.59	
		<i>For &gt;200, Deduct</i>	-5.08	
		<i>For Recycled Vinyl Retainer, Deduct</i>	-1.86	
10 26 13 00-0017		<b>135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> (10 26 13 00-0012)		
10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	22.61	6.15
		<i>For &gt;50 To 100, Deduct</i>	-2.56	
		<i>For &gt;100 To 200, Deduct</i>	-3.59	
		<i>For &gt;200, Deduct</i>	-5.23	
		<i>For Recycled Vinyl Retainer, Deduct</i>	-2.47	
10 26 13 00-0019		<b>End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> (10 26 13 00-0012)		
		Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	31.92	8.20
		<i>For &gt;50 To 100, Deduct</i>	-3.42	
		<i>For &gt;100 To 200, Deduct</i>	-4.78	
		<i>For &gt;200, Deduct</i>	-7.06	
		<i>For Recycled Vinyl Retainer, Deduct</i>	-3.65	
10 26 13 00-0021		<b>Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> (10 26 13 00-0011)		
10 26 13 00-0022		<b>90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> (10 26 13 00-0021)		
10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	20.98	6.15
		<i>For &gt;50 To 100, Deduct</i>	-2.56	
		<i>For &gt;100 To 200, Deduct</i>	-3.59	
		<i>For &gt;200, Deduct</i>	-5.15	
		<i>For Up To 2 HR Fire Rated, Add</i>	7.51	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	24.87	6.15
		<i>For &gt;50 To 100, Deduct</i>	-2.56	
		<i>For &gt;100 To 200, Deduct</i>	-3.59	
		<i>For &gt;200, Deduct</i>	-5.34	
		<i>For Up To 2 HR Fire Rated, Add</i>	10.23	

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0025	LF		Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32).....	23.20	6.15
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100 To 200, Deduct</i>	-3.59	
			<i>For &gt;200, Deduct</i>	-5.26	
			<i>For Up To 2 HR Fire Rated, Add</i>	9.07	
10 26 13 00-0026			<b>135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> <small>(10 26 13 00-0021)</small>		
10 26 13 00-0027	LF		3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75) .....	26.53	6.15
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100 To 200, Deduct</i>	-3.59	
			<i>For &gt;200, Deduct</i>	-5.43	
			<i>For Up To 2 HR Fire Rated, Add</i>	11.40	
10 26 13 00-0028			<b>End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers</b> <small>(10 26 13 00-0021)</small>		
			Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.		
10 26 13 00-0029	LF		2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888) .....	54.03	8.20
			<i>For &gt;50 To 100, Deduct</i>	-3.42	
			<i>For &gt;100 To 200, Deduct</i>	-4.78	
			<i>For &gt;200, Deduct</i>	-8.17	
			<i>For Up To 2 HR Fire Rated, Add</i>	28.25	
10 26 13 00-0030			<b>Flexible Vinyl Corner Guards</b> <small>(10 26 13 00-0001)</small>		
			Note: Includes adhesive for installation.		
10 26 13 00-0031			<b>Surface Mounted, Flexible Vinyl Corner Guards</b> <small>(10 26 13 00-0030)</small>		
10 26 13 00-0032			<b>90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards</b> <small>(10 26 13 00-0031)</small>		
10 26 13 00-0033	LF		1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9).....	11.89	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.33	
			<i>For Bolting To Concrete Or Masonry, Add</i>	2.81	
10 26 13 00-0034	LF		2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3).....	14.82	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.47	
			<i>For Bolting To Concrete Or Masonry, Add</i>	3.25	
10 26 13 00-0035	LF		4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15).....	17.19	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.59	
			<i>For Bolting To Concrete Or Masonry, Add</i>	3.60	
10 26 13 00-0036			<b>Polycarbonate Corner Guards</b> <small>(10 26 13)</small>		
10 26 13 00-0037			<b>Surface Mounted, Polycarbonate Corner Guards</b> <small>(10 26 13 00-0036)</small>		
10 26 13 00-0038			<b>90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards</b> <small>(10 26 13 00-0037)</small>		
10 26 13 00-0039	LF		3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16) .....	8.36	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.15	
10 26 13 00-0040	LF		1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17).....	9.79	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.22	
10 26 13 00-0041	LF		2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24) .....	11.46	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.31	
10 26 13 00-0042	LF		2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18).....	12.47	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.36	
10 26 13 00-0043	LF		Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23) .....	12.10	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.34	
10 26 13 00-0044			<b>135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards</b> <small>(10 26 13 00-0037)</small>		
10 26 13 00-0045	LF		2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19).....	12.47	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.36	
10 26 13 00-0046			<b>Aluminum Corner Guards</b> <small>(10 26 13)</small>		
10 26 13 00-0047			<b>Surface Mounted, Aluminum Corner Guards</b> <small>(10 26 13 00-0046)</small>		



## 10 Specialties

## 10 20 Interior Specialties

## 10 26 Wall and Door Protection

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0048			90 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0049	LF		1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400) .....	11.27	4.10
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.30	
10 26 13 00-0050	LF		2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401) .....	13.20	4.10
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.39	
10 26 13 00-0051	LF		3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402) .....	14.40	4.10
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.45	
10 26 13 00-0052			135 Degree Angle, Surface Mounted, Aluminum Corner Guards <small>(10 26 13 00-0047)</small>		
10 26 13 00-0053	LF		1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403) .....	11.27	4.10
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.30	
10 26 13 00-0054	LF		2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404) .....	13.20	4.10
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.39	
10 26 13 00-0055	LF		3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405) .....	14.40	4.10
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.45	
10 26 13 00-0056			Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0057			Steel Angle Iron, Corner Guards <small>(10 26 13 00-0056)</small>		
10 26 13 00-0058			Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0057)</small>		
10 26 13 00-0059			90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards <small>(10 26 13 00-0058)</small>		
10 26 13 00-0060	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	14.47	4.92
			For Galvanizing, Add	2.19	
			For >50 To 100, Deduct	-2.05	
			For >100 To 200, Deduct	-2.87	
			For >200, Deduct	-4.00	
10 26 13 00-0061	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	18.03	5.33
			For Galvanizing, Add	3.20	
			For >50 To 100, Deduct	-2.22	
			For >100 To 200, Deduct	-3.11	
			For >200, Deduct	-4.45	
10 26 13 00-0062	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	19.12	5.53
			For Galvanizing, Add	3.47	
			For >50 To 100, Deduct	-2.31	
			For >100 To 200, Deduct	-3.23	
			For >200, Deduct	-4.64	
10 26 13 00-0063	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	19.59	5.75
			For Galvanizing, Add	3.51	
			For >50 To 100, Deduct	-2.39	
			For >100 To 200, Deduct	-3.35	
			For >200, Deduct	-4.81	
10 26 13 00-0064	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	23.92	5.95
			For Galvanizing, Add	4.90	
			For >50 To 100, Deduct	-2.48	
			For >100 To 200, Deduct	-3.47	
			For >200, Deduct	-5.16	
10 26 13 00-0065	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	28.28	6.15
			For Galvanizing, Add	6.31	
			For >50 To 100, Deduct	-2.56	
			For >100 To 200, Deduct	-3.59	
			For >200, Deduct	-5.51	
10 26 13 00-0066	LF		6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard .....	47.30	8.20
			For Galvanizing, Add	11.77	
			For >50 To 100, Deduct	-3.42	
			For >100 To 200, Deduct	-4.78	
			For >200, Deduct	-7.83	
10 26 13 00-0067			Stainless Steel Corner Guards <small>(10 26 13)</small>		
10 26 13 00-0068			Stainless Steel Corner Guards <small>(10 26 13 00-0067)</small>		
			Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069			Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0068)</small>		
10 26 13 00-0070			90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards <small>(10 26 13 00-0069)</small>		
10 26 13 00-0071	LF		1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520).....	12.37	4.10
			For >50 To 100, Deduct	-1.71	
			For >100 To 200, Deduct	-2.39	
			For >200, Deduct	-3.35	

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0072	LF		2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510) .....	14.07	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.44	
10 26 13 00-0073	LF		3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500) .....	18.50	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.66	
10 26 13 00-0074	LF		Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550) .....	18.50	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.66	
10 26 13 00-0075			<b>135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards</b> <small>(10 26 13 00-0069)</small>		
10 26 13 00-0076	LF		3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600) .....	18.50	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.66	
10 26 13 00-0077	LF		Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650) .....	18.50	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.66	
10 26 13 00-0078			<b>Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0067)</small>		
10 26 13 00-0079			<b>Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0078)</small>		
10 26 13 00-0080			<b>90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards</b> <small>(10 26 13 00-0079)</small>		
10 26 13 00-0081	LF		1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	22.68	4.92
			<i>For &gt;50 To 100, Deduct</i>	-2.05	
			<i>For &gt;100 To 200, Deduct</i>	-2.87	
			<i>For &gt;200, Deduct</i>	-4.41	
10 26 13 00-0082	LF		2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	36.33	5.33
			<i>For &gt;50 To 100, Deduct</i>	-2.22	
			<i>For &gt;100 To 200, Deduct</i>	-3.11	
			<i>For &gt;200, Deduct</i>	-5.37	
10 26 13 00-0083	LF		2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	49.88	5.53
			<i>For &gt;50 To 100, Deduct</i>	-2.31	
			<i>For &gt;100 To 200, Deduct</i>	-3.23	
			<i>For &gt;200, Deduct</i>	-6.18	
10 26 13 00-0084	LF		3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	46.85	5.75
			<i>For &gt;50 To 100, Deduct</i>	-2.39	
			<i>For &gt;100 To 200, Deduct</i>	-3.35	
			<i>For &gt;200, Deduct</i>	-6.17	
10 26 13 00-0085	LF		3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	65.88	5.95
			<i>For &gt;50 To 100, Deduct</i>	-2.48	
			<i>For &gt;100 To 200, Deduct</i>	-3.47	
			<i>For &gt;200, Deduct</i>	-7.26	
10 26 13 00-0086	LF		4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard .....	61.17	6.15
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100 To 200, Deduct</i>	-3.59	
			<i>For &gt;200, Deduct</i>	-7.16	
10 26 13 00-0087			<b>Rubber Corner Guards</b> <small>(10 26 13)</small> Note: Includes adhesive for installation.		
10 26 13 00-0088			<b>Natural Rubber Corner Guards</b> <small>(10 26 13 00-0087)</small>		
10 26 13 00-0089			<b>Surface Mounted, Natural Rubber Corner Guards</b> <small>(10 26 13 00-0088)</small>		
10 26 13 00-0090			<b>90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards</b> <small>(10 26 13 00-0089)</small>		
10 26 13 00-0091	LF		4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5) .....	50.67	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-5.27	
			<i>For Bolting To Concrete Or Masonry, Add</i>	8.63	
10 26 13 00-0092			<b>Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0087)</small>		
10 26 13 00-0093			<b>Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0092)</small>		
10 26 13 00-0094			<b>90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards</b> <small>(10 26 13 00-0093)</small>		
10 26 13 00-0095	LF		4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2) .....	23.67	4.10
			<i>For &gt;50 To 100, Deduct</i>	-1.71	
			<i>For &gt;100 To 200, Deduct</i>	-2.39	
			<i>For &gt;200, Deduct</i>	-3.92	
			<i>For Bolting To Concrete Or Masonry, Add</i>	4.58	
10 26 13 00-0096			<b>Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards</b> <small>(10 26 13 00-0087)</small>		

**10 Specialties**

**10 20 Interior Specialties**

**10 26 Wall and Door Protection**



WE FINANCE, BUILD AND DELIVER.

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0096)</small>		
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards <small>(10 26 13 00-0097)</small>		
10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E).....	20.97	4.10
		<i>For &gt;50 To 100, Deduct</i>	-1.71	
		<i>For &gt;100 To 200, Deduct</i>	-2.39	
		<i>For &gt;200, Deduct</i>	-3.78	
		<i>For Bolting To Concrete Or Masonry, Add</i>	4.17	
<b>10 26 16</b>		<b>Bumper Guards</b> <small>(10 26)</small>		
<b>10 26 16 13</b>		<b>Bumper Rails</b> <small>(10 26 16)</small>		
10 26 16 13-0001		Crash Rails <small>(10 26 16 13)</small> Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3).....	14.51	5.46
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100 To 200, Deduct</i>	-3.83	
		<i>For &gt;200, Deduct</i>	-5.10	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4).....	15.78	5.46
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100 To 200, Deduct</i>	-3.83	
		<i>For &gt;200, Deduct</i>	-5.17	
10 26 16 13-0005		Aluminum Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100).....	37.85	5.46
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100 To 200, Deduct</i>	-3.83	
		<i>For &gt;200, Deduct</i>	-6.27	
10 26 16 13-0007		Stainless Steel Crash Rails <small>(10 26 16 13-0001)</small>		
10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100).....	64.75	5.46
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100 To 200, Deduct</i>	-3.83	
		<i>For &gt;200, Deduct</i>	-7.61	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200).....	51.30	5.46
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100 To 200, Deduct</i>	-3.83	
		<i>For &gt;200, Deduct</i>	-6.94	
10 26 16 13-0010		Wall Guards <small>(10 26 16 13)</small>		
10 26 16 13-0011		Rigid Vinyl Wall Guards With Aluminum Retainers <small>(10 26 16 13-0010)</small> Note: Includes end caps.		
10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1).....	14.62	4.79
		<i>For &gt;50 To 100, Deduct</i>	-2.39	
		<i>For &gt;100 To 200, Deduct</i>	-3.35	
		<i>For &gt;200, Deduct</i>	-4.56	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3).....	17.65	5.46
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100 To 200, Deduct</i>	-3.83	
		<i>For &gt;200, Deduct</i>	-5.26	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4).....	18.90	5.46
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100 To 200, Deduct</i>	-3.83	
		<i>For &gt;200, Deduct</i>	-5.32	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5).....	19.58	5.46
		<i>For &gt;50 To 100, Deduct</i>	-2.74	
		<i>For &gt;100 To 200, Deduct</i>	-3.83	
		<i>For &gt;200, Deduct</i>	-5.36	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6).....	23.06	5.81
		<i>For &gt;50 To 100, Deduct</i>	-2.91	
		<i>For &gt;100 To 200, Deduct</i>	-4.07	
		<i>For &gt;200, Deduct</i>	-5.80	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7).....	23.17	5.81
		<i>For &gt;50 To 100, Deduct</i>	-2.91	
		<i>For &gt;100 To 200, Deduct</i>	-4.07	
		<i>For &gt;200, Deduct</i>	-5.81	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8).....	23.77	5.81
		<i>For &gt;50 To 100, Deduct</i>	-2.91	
		<i>For &gt;100 To 200, Deduct</i>	-4.07	
		<i>For &gt;200, Deduct</i>	-5.84	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12).....	28.23	6.15
		<i>For &gt;50 To 100, Deduct</i>	-3.08	
		<i>For &gt;100 To 200, Deduct</i>	-4.31	
		<i>For &gt;200, Deduct</i>	-6.33	
10 26 16 13-0020		Rubber Wall Guards <small>(10 26 16 13-0010)</small>		

<b>Specialties</b>	<b>10</b>
<b>Interior Specialties</b>	<b>10 20</b>
<b>Wall and Door Protection</b>	<b>10 26</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 26 16 13-0021</b>	<b>D-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0022	LF 2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2).....	18.92	4.79
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-4.77	
10 26 16 13-0023	LF 3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3).....	27.08	5.46
	For >50 To 100, Deduct	-2.74	
	For >100 To 200, Deduct	-3.83	
	For >200, Deduct	-5.73	
10 26 16 13-0024	LF 4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4).....	38.72	5.46
	For >50 To 100, Deduct	-2.74	
	For >100 To 200, Deduct	-3.83	
	For >200, Deduct	-6.31	
10 26 16 13-0025	LF 6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6).....	53.38	5.46
	For >50 To 100, Deduct	-2.74	
	For >100 To 200, Deduct	-3.83	
	For >200, Deduct	-7.05	
<b>10 26 16 13-0026</b>	<b>Rectangular, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0027	LF 8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1).....	41.42	5.81
	For >50 To 100, Deduct	-2.91	
	For >100 To 200, Deduct	-4.07	
	For >200, Deduct	-6.72	
10 26 16 13-0028	LF 9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2).....	51.72	6.15
	For >50 To 100, Deduct	-3.08	
	For >100 To 200, Deduct	-4.31	
	For >200, Deduct	-7.51	
<b>10 26 16 13-0029</b>	<b>Wing Type, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0030	LF 6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20).....	66.10	5.46
	For >50 To 100, Deduct	-2.74	
	For >100 To 200, Deduct	-3.83	
	For >200, Deduct	-7.68	
10 26 16 13-0031	LF 6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30).....	70.13	5.46
	For >50 To 100, Deduct	-2.74	
	For >100 To 200, Deduct	-3.83	
	For >200, Deduct	-7.88	
10 26 16 13-0032	LF 3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25).....	33.09	4.79
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-5.48	
<b>10 26 16 13-0033</b>	<b>U-Shaped, Rubber Wall Guards</b> <small>(10 26 16 13-0020)</small>		
10 26 16 13-0034	LF 3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4).....	56.35	5.81
	For >50 To 100, Deduct	-2.91	
	For >100 To 200, Deduct	-4.07	
	For >200, Deduct	-7.47	
10 26 16 13-0035	LF 4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3).....	62.74	5.81
	For >50 To 100, Deduct	-2.91	
	For >100 To 200, Deduct	-4.07	
	For >200, Deduct	-7.79	
<b>10 26 16 13-0036</b>	<b>Accent Rails</b> <small>(10 26 16 13)</small>		
	Note: Includes end caps.		
<b>10 26 16 13-0037</b>	<b>Oval, Rigid Vinyl Accent Rails With Aluminum Retainers</b> <small>(10 26 16 13-0036)</small>		
10 26 16 13-0038	LF 1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25).....	16.82	4.79
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-4.67	
10 26 16 13-0039	LF 2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30).....	16.84	4.79
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-4.67	
10 26 16 13-0040	LF 2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22).....	23.04	4.79
	For >50 To 100, Deduct	-2.39	
	For >100 To 200, Deduct	-3.35	
	For >200, Deduct	-4.98	
<b>10 26 16 16</b>	<b>Protective Corridor Handrails</b> <small>(10 26 16)</small>		
<b>10 26 16 16-0001</b>	<b>Protective Corridor Handrails</b> <small>(10 26 16 16)</small>		
<b>10 26 16 16-0002</b>	<b>Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers</b> <small>(10 26 16 16-0001)</small>		
10 26 16 16-0003	LF 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN).....	36.32	10.25
	For >50 To 100, Deduct	-5.13	
	For >100 To 200, Deduct	-7.18	
	For >200, Deduct	-10.02	
10 26 16 16-0004	EA End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	31.80	10.25
	For >25 To 50, Deduct	-5.13	
	For >50 To 100, Deduct	-7.18	
	For >100, Deduct	-9.79	

**10 Specialties**

**10 20 Interior Specialties**

**10 26 Wall and Door Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0005	LF		5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C).....	49.88	10.25
			<i>For &gt;50 To 100, Deduct</i>	-5.13	
			<i>For &gt;100 To 200, Deduct</i>	-7.18	
			<i>For &gt;200, Deduct</i>	-10.69	
10 26 16 16-0006	EA		End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	40.84	10.25
			<i>For &gt;25 To 50, Deduct</i>	-5.13	
			<i>For &gt;50 To 100, Deduct</i>	-7.18	
			<i>For &gt;100, Deduct</i>	-10.24	
10 26 16 16-0007	LF		6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN).....	52.14	10.25
			<i>For &gt;50 To 100, Deduct</i>	-5.13	
			<i>For &gt;100 To 200, Deduct</i>	-7.18	
			<i>For &gt;200, Deduct</i>	-10.81	
10 26 16 16-0008	EA		End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn).....	56.66	10.25
			<i>For &gt;25 To 50, Deduct</i>	-5.13	
			<i>For &gt;50 To 100, Deduct</i>	-7.18	
			<i>For &gt;100, Deduct</i>	-11.03	
10 26 16 16-0009	LF		6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN).....	67.95	10.25
			<i>For &gt;50 To 100, Deduct</i>	-5.13	
			<i>For &gt;100 To 200, Deduct</i>	-7.18	
			<i>For &gt;200, Deduct</i>	-11.60	
10 26 16 16-0010	EA		End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn).....	74.73	10.25
			<i>For &gt;25 To 50, Deduct</i>	-5.13	
			<i>For &gt;50 To 100, Deduct</i>	-7.18	
			<i>For &gt;100, Deduct</i>	-11.94	
<b>10 26 16 16-0011</b>			<b>Stainless Steel Protective Corridor Handrails</b> (10 26 16 16-0001)		
10 26 16 16-0012	LF		5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS) .....	90.55	10.25
			<i>For &gt;50 To 100, Deduct</i>	-5.13	
			<i>For &gt;100 To 200, Deduct</i>	-7.18	
			<i>For &gt;200, Deduct</i>	-12.73	
10 26 16 16-0013	EA		End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn).....	92.81	10.25
			<i>For &gt;25 To 50, Deduct</i>	-5.13	
			<i>For &gt;50 To 100, Deduct</i>	-7.18	
			<i>For &gt;100, Deduct</i>	-12.84	
<b>10 26 16 16-0014</b>			<b>Hardwood Protective Corridor Handrails</b> (10 26 16 16-0001)		
			Note: Includes end caps.		
10 26 16 16-0015	LF		4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C) .....	34.82	8.60
			<i>For &gt;50 To 100, Deduct</i>	-4.30	
			<i>For &gt;100 To 200, Deduct</i>	-6.02	
			<i>For &gt;200, Deduct</i>	-8.63	
			<i>For Maple, Add</i>	0.53	
10 26 16 16-0016	LF		5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500).....	40.99	9.18
			<i>For &gt;50 To 100, Deduct</i>	-4.59	
			<i>For &gt;100 To 200, Deduct</i>	-6.43	
			<i>For &gt;200, Deduct</i>	-9.39	
10 26 16 16-0017	LF		1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500).....	31.05	8.60
			<i>For &gt;50 To 100, Deduct</i>	-4.30	
			<i>For &gt;100 To 200, Deduct</i>	-6.02	
			<i>For &gt;200, Deduct</i>	-8.44	
			<i>For Maple, Add</i>	5.95	
			<i>For Oak, Add</i>	6.64	
<b>10 26 23</b>			<b>Protective Wall Covering</b> (10 26)		
<b>10 26 23 13</b>			<b>Impact Resistant Wall Protection</b> (10 26 23)		
<b>10 26 23 13-0001</b>			<b>Impact Resistant Wall Protection</b> (10 26 23 13)		
			Note: Includes standard trim.		
10 26 23 13-0002	SF		0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30).....	9.51	3.42
10 26 23 13-0003	SF		0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40).....	9.83	3.42
10 26 23 13-0004	SF		0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60).....	11.72	3.42
<b>10 26 23 13-0005</b>			<b>Interior Polyvinyl Chloride (PVC) Soffit System</b> (10 26 23 13)		
			Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.		
<b>10 26 23 13-0006</b>			<b>"L" Design</b> (10 26 23 13-0005)		
<b>10 26 23 13-0007</b>			<b>L-Shield</b> (10 26 23 13-0006)		
10 26 23 13-0008	LF		2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	18.05	3.42
10 26 23 13-0009	LF		3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe .....	21.06	4.79
10 26 23 13-0010	LF		3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe .....	27.61	6.15
10 26 23 13-0011	LF		5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe .....	37.75	7.52
<b>10 26 23 13-0012</b>			<b>"Combo" Hanger</b> (10 26 23 13-0006)		
10 26 23 13-0013	EA		Combination "Combo" Hanger, L-Support, For 3/4" Pipe .....	20.52	6.84
10 26 23 13-0014	EA		Combination "Combo" Hanger, L-Support, For 1" Pipe .....	23.79	8.21
10 26 23 13-0015	EA		Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe .....	27.48	9.57
10 26 23 13-0016	EA		Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe .....	30.63	10.94
10 26 23 13-0017	EA		Combination "Combo" Hanger, L-Support, For 2" Pipe .....	34.33	12.30
<b>10 26 23 13-0018</b>			<b>Snap-2 Pipe Hanger</b> (10 26 23 13-0006)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0019	EA		Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe.....	17.24	6.84
10 26 23 13-0020	EA		Snap-2 Pipe Hanger, L-Support, For 1" Pipe.....	20.92	8.21
10 26 23 13-0021	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe.....	24.34	9.57
10 26 23 13-0022	EA		Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe.....	28.31	10.94
10 26 23 13-0023	EA		Snap-2 Pipe Hanger, L-Support, For 2" Pipe.....	32.41	12.30
<b>10 26 23 13-0024</b>			<b>Coupling</b> (10 26 23 13-0006)		
10 26 23 13-0025	EA		Coupling, L-Shield, 1" Shield Size.....	11.08	3.42
10 26 23 13-0026	EA		Coupling, L-Shield, 1-1/4" Shield Size.....	16.00	4.79
10 26 23 13-0027	EA		Coupling, L-Shield, 2" Shield Size.....	22.83	6.15
10 26 23 13-0028	EA		Coupling, L-Shield, 2-1/2" Shield Size.....	28.59	7.52
<b>10 26 23 13-0029</b>			<b>Coupling, Reducer</b> (10 26 23 13-0006)		
10 26 23 13-0030	EA		Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size.....	30.09	4.10
10 26 23 13-0031	EA		Coupling, Reducing, L-Shield, 2" x 1" Shield Size.....	36.92	4.79
10 26 23 13-0032	EA		Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size.....	43.76	5.47
10 26 23 13-0033	EA		Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size.....	167.92	6.84
<b>10 26 23 13-0034</b>			<b>Shield Clips</b> (10 26 23 13-0006)		
10 26 23 13-0035	EA		Shield Clips, L-Support, 1" Shield Size.....	6.70	2.05
10 26 23 13-0036	EA		Shield Clips, L-Support, 1-1/4" Shield Size.....	10.12	3.42
10 26 23 13-0037	EA		Shield Clips, L-Support, 2" Shield Size.....	13.40	4.79
10 26 23 13-0038	EA		Shield Clips, L-Support, 2-1/2" Shield Size.....	15.31	6.15
<b>10 26 23 13-0039</b>			<b>Wall Flange</b> (10 26 23 13-0006)		
10 26 23 13-0040	EA		Wall Flange, L-Shield, 1" Shield Size.....	10.81	3.42
10 26 23 13-0041	EA		Wall Flange, L-Shield, 1-1/4" Shield Size.....	15.45	4.79
10 26 23 13-0042	EA		Wall Flange, L-Shield, 2" Shield Size.....	22.28	6.15
10 26 23 13-0043	EA		Wall Flange, L-Shield, 2-1/2" Shield Size.....	88.42	7.52
<b>10 26 23 13-0044</b>			<b>End Cap</b> (10 26 23 13-0006)		
10 26 23 13-0045	EA		End Cap, L-Shield, 1" Shield Size.....	10.80	2.05
10 26 23 13-0046	EA		End Cap, L-Shield, 1-1/4" Shield Size.....	14.50	3.42
10 26 23 13-0047	EA		End Cap, L-Shield, 2" Shield Size.....	20.10	4.79
10 26 23 13-0048	EA		End Cap, L-Shield, 2-1/2" Shield Size.....	89.69	6.15
<b>10 26 23 13-0049</b>			<b>Inside/Outside Corner</b> (10 26 23 13-0006)		
10 26 23 13-0050	EA		Inside/Outside Corner, L-Shield, 1" Shield Size.....	66.05	6.84
10 26 23 13-0051	EA		Inside/Outside Corner, L-Shield, 1-1/4" Shield Size.....	71.38	8.21
10 26 23 13-0052	EA		Inside/Outside Corner, L-Shield, 2" Shield Size.....	86.28	10.26
10 26 23 13-0053	EA		Inside/Outside Corner, L-Shield, 2-1/2" Shield Size.....	149.73	12.30
<b>10 26 23 13-0054</b>			<b>Joiner</b> (10 26 23 13-0006)		
10 26 23 13-0055	LF		Joiner, L-Shield.....	13.81	2.05
<b>10 26 23 13-0056</b>			<b>"U" Design</b> (10 26 23 13-0005)		
<b>10 26 23 13-0057</b>			<b>U-Shield</b> (10 26 23 13-0056)		
10 26 23 13-0058	LF		2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe.....	21.61	3.42
10 26 23 13-0059	LF		2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe.....	27.07	4.79
10 26 23 13-0060	LF		3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe.....	34.59	4.79
<b>10 26 23 13-0061</b>			<b>"Combo" Hanger</b> (10 26 23 13-0056)		
10 26 23 13-0062	EA		Combination "Combo" Hanger, U-Support For 3/4" Pipe.....	17.92	6.84
10 26 23 13-0063	EA		Combination "Combo" Hanger, U-Support For 1" Pipe.....	21.33	8.21
10 26 23 13-0064	EA		Combination "Combo" Hanger, U-Support For 1-1/4" Pipe.....	24.61	9.57
10 26 23 13-0065	EA		Combination "Combo" Hanger, U-Support For 1-1/2" Pipe.....	30.22	10.94
10 26 23 13-0066	EA		Combination "Combo" Hanger, U-Support For 2" Pipe.....	34.19	12.30
<b>10 26 23 13-0067</b>			<b>Snap-2 Pipe Hanger</b> (10 26 23 13-0056)		
10 26 23 13-0068	EA		Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe.....	16.96	6.84
10 26 23 13-0069	EA		Snap-2 Pipe Hanger, U-Support, For 1" Pipe.....	20.65	8.21
10 26 23 13-0070	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe.....	25.02	9.57
10 26 23 13-0071	EA		Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe.....	28.03	10.94
10 26 23 13-0072	EA		Snap-2 Pipe Hanger, U-Support, For 2" Pipe.....	32.28	12.30
<b>10 26 23 13-0073</b>			<b>Coupling</b> (10 26 23 13-0056)		
10 26 23 13-0074	EA		Coupling, U-Shield, 1" Shield Size.....	12.99	3.42
10 26 23 13-0075	EA		Coupling, U-Shield, 1-1/4" Shield Size.....	16.41	4.79
10 26 23 13-0076	EA		Coupling, U-Shield, 2" Shield Size.....	20.09	6.15



**10 Specialties****10 20 Interior Specialties****10 26 Wall and Door Protection**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
10 26 23 13-0077		<b>Coupling, Reducer</b> (10 26 23 13-0056)			
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size.....	35.56		4.10
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size.....	42.39		4.79
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size.....	45.12		5.47
10 26 23 13-0081		<b>Shield Clips</b> (10 26 23 13-0056)			
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size.....	6.15		2.05
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size.....	9.16		3.42
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size.....	12.17		4.79
10 26 23 13-0085		<b>Wall Flange</b> (10 26 23 13-0056)			
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size.....	12.58		3.42
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size.....	16.27		4.79
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size.....	19.96		6.15
10 26 23 13-0089		<b>End Cap</b> (10 26 23 13-0056)			
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size.....	11.48		2.05
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size.....	15.59		3.42
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size.....	19.55		4.79
10 26 23 13-0093		<b>Inside/Outside Corner</b> (10 26 23 13-0056)			
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size.....	82.59		6.84
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size.....	92.02		8.21
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size.....	108.98		10.26
10 26 23 13-0097		<b>Elbow</b> (10 26 23 13-0056)			
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size.....	81.09		6.84
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size.....	89.29		8.21
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size.....	106.38		10.26
10 26 23 13-0101		<b>Tee</b> (10 26 23 13-0056)			
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size.....	102.96		10.26
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size.....	114.73		12.30
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size.....	134.14		15.05
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size.....	135.37		11.63
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size.....	146.45		14.36
10 26 23 13-0107		<b>Cross</b> (10 26 23 13-0056)			
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size.....	185.28		13.68
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size.....	207.84		16.41
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size.....	252.70		20.51
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size.....	253.23		15.05
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size.....	278.94		18.47
10 26 23 13-0113		<b>Transition Fittings (L to U Or U to L)</b> (10 26 23 13-0005)			
10 26 23 13-0114		<b>Coupling Transition</b> (10 26 23 13-0113)			
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL.....	31.73		3.42
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL.....	36.10		4.79
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL.....	44.98		6.15
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL.....	35.97		4.10
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL.....	44.85		5.47
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL.....	175.71		6.84
10 26 23 13-0121		<b>Elbow Transition</b> (10 26 23 13-0113)			
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL).....	108.57		6.84
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL).....	117.87		8.21
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL).....	138.38		10.26
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL).....	168.19		7.52
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL).....	119.52		7.52
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL).....	178.03		9.57
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL).....	138.51		9.57
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL).....	213.86		10.94
10 26 23 13-0130		<b>Tee Transition</b> (10 26 23 13-0113)			
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU).....	124.98		10.26
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU).....	144.67		12.30
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU).....	168.46		15.05
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU).....	132.23		11.63
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU).....	206.47		12.99
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU).....	147.68		14.36
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU).....	201.01		17.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 26 23 13-0138</b>		Fittings (L Or U) <small>(10 26 23 13-0005)</small>			
<b>10 26 23 13-0139</b>		Hugger Hangers For Steel Pipe <small>(10 26 23 13-0138)</small>			
10 26 23 13-0140	EA	Hugger Hanger, For 1/2" Steel Pipe .....	13.81	5.47	
10 26 23 13-0141	EA	Hugger Hanger, For 3/4" Steel Pipe .....	17.24	6.84	
10 26 23 13-0142	EA	Hugger Hanger, For 1" Steel Pipe .....	20.24	8.21	
10 26 23 13-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe .....	23.38	9.57	
10 26 23 13-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe .....	26.39	10.94	
10 26 23 13-0145	EA	Hugger Hanger, For 2" Steel Pipe .....	29.68	10.94	
10 26 23 13-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe .....	32.68	13.68	
10 26 23 13-0147	EA	Hugger Hanger, For 3" Steel Pipe .....	40.47	15.05	

<b>10 26 23 13-0148</b>		Hugger Hangers For Copper Pipe <small>(10 26 23 13-0138)</small>			
10 26 23 13-0149	EA	1/2" Copper Pipe, Hugger Hanger .....	13.95	5.47	
10 26 23 13-0150	EA	3/4" Copper Pipe, Hugger Hanger .....	17.37	6.84	
10 26 23 13-0151	EA	1" Copper Pipe, Hugger Hanger .....	20.38	8.21	
10 26 23 13-0152	EA	1-1/4" Copper Pipe, Hugger Hanger .....	23.52	9.57	
10 26 23 13-0153	EA	1-1/2" Copper Pipe, Hugger Hanger .....	26.53	10.94	
10 26 23 13-0154	EA	2" Copper Pipe, Hugger Hanger .....	29.95	12.30	
10 26 23 13-0155	EA	2-1/2" Copper Pipe, Hugger Hanger .....	32.96	13.68	
10 26 23 13-0156	EA	3" Copper Pipe, Hugger Hanger .....	40.88	15.05	

<b>10 26 23 13-0157</b>		Shield Extension (L Or U) <small>(10 26 23 13-0138)</small>			
10 26 23 13-0158	LF	Shield Extension .....	16.68	2.05	

<b>10 26 23 13-0159</b>		Interior Steel Soffit System <small>(10 26 23 13)</small>			
Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.					
10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel) .....	32.17	6.15	
		<i>For 22 Gauge Steel, Add</i>	1.99		
		<i>For 20 Gauge Steel, Add</i>	4.25		
		<i>For 18 Gauge Steel, Add</i>	8.35		
		<i>For 16 Gauge Steel, Add</i>	12.82		
		<i>For Stainless Steel, Add</i>	4.97		
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel) .....	52.30	17.09	
		<i>For Stainless Steel, Add</i>	4.53		
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel) .....	126.89	20.51	
		<i>For Stainless Steel, Add</i>	21.12		
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel) .....	39.82	10.26	
		<i>For Stainless Steel, Add</i>	4.83		
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel) .....	8.98	4.10	
		<i>For Stainless Steel, Add</i>	0.19		
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel) .....	36.40	6.15	
		<i>For 20 Gauge Steel, Add</i>	3.86		
		<i>For 22 Gauge Steel, Add</i>	1.81		
		<i>For 18 Gauge Steel, Add</i>	7.47		
		<i>For 16 Gauge Steel, Add</i>	12.53		
		<i>For Stainless Steel, Add</i>	6.03		
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel) .....	52.30	17.09	
		<i>For Stainless Steel, Add</i>	4.53		
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel) .....	126.89	20.51	
		<i>For Stainless Steel, Add</i>	21.12		
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel) .....	34.36	7.52	
		<i>For Stainless Steel, Add</i>	4.83		
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel) .....	8.98	4.10	
		<i>For Stainless Steel, Add</i>	0.19		

<b>10 26 41</b>		<b>Bullet Resistant Panels</b> <small>(10 26)</small>			
<b>10 26 41 00-0001</b>		<b>Laminated Bullet Resistant Fiberglass Panel</b> <small>(10 26 41)</small>			
Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.					
10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF .....	23.46	1.92	
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF .....	31.84	2.06	
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF .....	35.94	2.19	
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF .....	38.25	2.34	
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF .....	41.41	2.48	
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF .....	44.54	2.61	
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF .....	74.88	3.16	
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF .....	107.50	4.95	
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF .....	127.60	5.91	
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF .....	154.31	6.46	

**10 28 Toilet, Bath, and Laundry Accessories** (10 20)

<b>10 28 13</b>		<b>Toilet Accessories</b> <small>(10 28)</small>			
<b>10 28 13 13</b>		<b>Commercial Toilet Accessories</b> <small>(10 28 13)</small>			
10 28 13 13-0001		Toilet Accessories <small>(10 28 13 13)</small>			

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

10 28 13 13-0002		Dispensers <small>(10 28 13 13-0001)</small>		
10 28 13 13-0003		Paper Towel Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0004		Stainless Steel Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		
10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262).....	122.01	30.75
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620).....	129.64	30.75
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621).....	130.77	30.75
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212).....	132.96	30.75
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263).....	193.25	30.75
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359).....	210.03	30.75
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262).....	226.17	30.75
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526).....	228.06	13.67
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318).....	386.72	30.75
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860).....	451.93	30.75
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369).....	488.22	30.75
10 28 13 13-0016		Plastic Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		
10 28 13 13-0017	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262).....	96.00	30.75
10 28 13 13-0018	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860).....	183.64	30.75
10 28 13 13-0019	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860).....	182.46	30.75
10 28 13 13-0020		Aluminum Paper Towel Dispensers <small>(10 28 13 13-0003)</small>		
10 28 13 13-0021	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253).....	103.64	30.75
10 28 13 13-0022		Toilet Tissue Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0023		Plastic Toilet Tissue Dispensers <small>(10 28 13 13-0022)</small>		
10 28 13 13-0024	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288).....	95.72	30.75
10 28 13 13-0025	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250).....	128.43	30.75
10 28 13 13-0026		Cast Aluminum Toilet Tissue Dispensers <small>(10 28 13 13-0022)</small>		
10 28 13 13-0027	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730).....	87.81	30.75
10 28 13 13-0028	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273).....	88.37	30.75
10 28 13 13-0029	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740).....	92.33	30.75
10 28 13 13-0030	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274).....	99.68	30.75
10 28 13 13-0031	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460).....	126.81	30.75
10 28 13 13-0032		Stainless Steel Toilet Tissue Dispensers <small>(10 28 13 13-0022)</small>		
10 28 13 13-0033	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264).....	76.78	30.75
10 28 13 13-0034	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540).....	193.55	30.75
10 28 13 13-0035	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543).....	118.48	30.75
10 28 13 13-0036	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663).....	113.53	30.75
10 28 13 13-0037	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685).....	122.15	30.75
10 28 13 13-0038	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686).....	156.38	34.17
10 28 13 13-0039	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857).....	122.15	30.75
10 28 13 13-0040	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867).....	156.38	30.75
10 28 13 13-0041	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-6997).....	167.38	30.75
10 28 13 13-0042	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999).....	253.70	30.75
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6997).....	253.70	30.75
10 28 13 13-0044	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890).....	113.71	30.75
10 28 13 13-0045	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272).....	131.05	30.75
10 28 13 13-0046	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265).....	87.23	30.75
10 28 13 13-0047	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888).....	139.82	30.75
10 28 13 13-0048	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888).....	194.48	30.75
10 28 13 13-0049	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288).....	200.04	30.75
10 28 13 13-0050	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388).....	252.73	30.75
10 28 13 13-0051	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892).....	231.91	30.75
10 28 13 13-0052	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386).....	357.54	30.75
		Note: Mounts centered through toilet partitions.		
10 28 13 13-0053	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840).....	159.05	30.75
10 28 13 13-0054		Soap or Sanitizer Dispensers <small>(10 28 13 13-0002)</small>		
10 28 13 13-0055	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221).....	112.12	30.75
		For 34 Fluid Ounce (B-822), Add	5.33	
10 28 13 13-0056	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216).....	120.60	30.75
		For 34 Fluid Ounce (B-822), Add	5.33	
10 28 13 13-0057	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156).....	79.89	30.75
10 28 13 13-0058	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155).....	85.82	30.75
10 28 13 13-0059	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40).....	103.83	30.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				
10 28 13 13-0060	EA		40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42) .....	106.28	30.75				
10 28 13 13-0061	EA		40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112) .....	113.81	30.75				
10 28 13 13-0062	EA		40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112) .....	140.67	30.75				
10 28 13 13-0063	EA		45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306) .....	233.78	30.75				
10 28 13 13-0064	EA		50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063) .....	364.10	30.75				
10 28 13 13-0065	EA		800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) .....	231.32	30.75				
Note: Includes start-up kit.									
<b>10 28 13 13-0066</b>			<b>Sanitizer Dispensers</b> <small>(10 28 13 13-0002)</small>						
<b>10 28 13 13-0067</b>			<b>Manual Sanitizer Dispensers</b> <small>(10 28 13 13-0066)</small>						
10 28 13 13-0068	EA		1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purell 5020-01) .....	93.07	30.75				
10 28 13 13-0069	EA		1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purell 4510-00) .....	94.28	30.75				
10 28 13 13-0070	EA		1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purell 8824-06-UV) .....	93.90	30.75				
<b>10 28 13 13-0071</b>			<b>Automatic Sanitizer Dispensers</b> <small>(10 28 13 13-0066)</small>						
10 28 13 13-0072	EA		1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA) .....	87.91	30.75				
10 28 13 13-0073	EA		1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 6420-01 ES6) .....	110.52	30.75				
10 28 13 13-0074	EA		1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purell 6520-01 CS6) .....	104.88	30.75				
10 28 13 13-0075	EA		1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 7720-01 ES8) .....	111.79	30.75				
10 28 13 13-0076	EA		1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058) .....	126.76	30.75				
10 28 13 13-0077	EA		2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 5240-06) .....	127.47	30.75				
<b>10 28 13 13-0078</b>			<b>Automatic Floor Stand Sanitizer Dispensers</b> <small>(10 28 13 13-0066)</small>						
10 28 13 13-0079	EA		1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS) .....	577.01	10.25				
10 28 13 13-0080	EA		1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV) .....	620.30	10.25				
10 28 13 13-0081	EA		1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02) .....	644.50	10.25				
<b>10 28 13 13-0082</b>			<b>Facial Tissue Dispensers</b> <small>(10 28 13 13-0002)</small>						
10 28 13 13-0083	EA		Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397) .....	127.39	30.75				
10 28 13 13-0084	EA		Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355) .....	96.03	30.75				
<b>10 28 13 13-0085</b>			<b>Sanitary Toilet Seat Cover Dispensers</b> <small>(10 28 13 13-0002)</small>						
10 28 13 13-0086	EA		Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221) .....	78.75	30.75				
10 28 13 13-0087	EA		Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221) .....	101.09	30.75				
10 28 13 13-0088	EA		Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221) .....	171.49	30.75				
10 28 13 13-0089	EA		Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301) .....	182.05	30.75				
10 28 13 13-0090	EA		Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013) .....	345.73	30.75				
<b>10 28 13 13-0091</b>			<b>Sanitary Toilet Seat Cover/Toilet Tissue Dispensers</b> <small>(10 28 13 13-0002)</small>						
10 28 13 13-0092	EA		Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479) .....	540.83	30.75				
10 28 13 13-0093	EA		Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745) .....	336.04	30.75				
<b>10 28 13 13-0094</b>			<b>Sanitary Napkin/Tampon Dispensers</b> <small>(10 28 13 13-0002)</small>						
10 28 13 13-0095	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C) .....	665.10	30.75				
10 28 13 13-0096	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25) .....	508.47	30.75				
10 28 13 13-0097	EA		Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706) .....	673.72	30.75				
10 28 13 13-0098	EA		Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25) .....	515.07	30.75				
10 28 13 13-0099	EA		Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4 ) .....	454.50	30.75				
10 28 13 13-0100	EA		Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45) .....	587.98	30.75				
<b>10 28 13 13-0101</b>			<b>Toilet Compartment Combination Dispenser/Disposals</b> <small>(10 28 13 13-0002)</small>						
10 28 13 13-0102	EA		Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094) .....	486.21	68.34				
10 28 13 13-0103	EA		Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474) .....	540.10	68.34				
10 28 13 13-0104	EA		Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745) .....	451.96	68.34				
10 28 13 13-0105	EA		Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574) .....	626.62	68.34				
10 28 13 13-0106	EA		Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347) .....	643.29	68.34				
10 28 13 13-0107	EA		Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357) .....	736.31	68.34				
10 28 13 13-0108	EA		Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579) .....	691.82	68.34				
<b>10 28 13 13-0109</b>			<b>Receptacles</b> <small>(10 28 13 13-0001)</small>						
<b>10 28 13 13-0110</b>			<b>Wall Mounted Waste Receptacles</b> <small>(10 28 13 13-0109)</small>						
10 28 13 13-0111	EA		1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3) .....	113.77	30.75				
10 28 13 13-0112	EA		6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279) .....	181.66	30.75				
10 28 13 13-0113	EA		12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644) .....	418.83	68.34				
10 28 13 13-0114	EA		12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644) .....	609.94	68.34				

**10 Specialties****10 20 Interior Specialties****10 28 Toilet, Bath, and Laundry Accessories**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0115 EA 20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275).....	488.09	68.34
<b>10 28 13 13-0116 Floor-Standing/Counter Waste Receptacles (10 28 13 13-0109)</b>		
10 28 13 13-0117 EA 5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532).....	132.33	30.75
10 28 13 13-0118 EA 5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529).....	184.77	30.75
10 28 13 13-0119 EA 13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260).....	336.64	13.67
10 28 13 13-0120 EA 13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250).....	506.84	13.67
10 28 13 13-0121 EA 18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300).....	475.12	13.67
10 28 13 13-0122 EA 21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280).....	457.08	13.67
<b>10 28 13 13-0123 Combination Paper Towel Dispenser/ Waste Receptacle (10 28 13 13-0109)</b>		
10 28 13 13-0124 EA 2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369).....	350.98	68.34
10 28 13 13-0125 EA 2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369).....	549.72	68.34
10 28 13 13-0126 EA 2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944).....	541.81	68.34
10 28 13 13-0127 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900).....	776.60	68.34
10 28 13 13-0128 EA 12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909).....	1,060.07	68.34
10 28 13 13-0129 EA 12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961).....	899.72	68.34
10 28 13 13-0130 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949).....	699.02	68.34
10 28 13 13-0131 EA 12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619).....	1,117.40	68.34
10 28 13 13-0132 EA 16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944).....	1,037.50	75.18
10 28 13 13-0133 EA 18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947).....	706.16	75.18
<b>10 28 13 13-0134 Sanitary Napkin/Tampon Receptacles (10 28 13 13-0109)</b>		
10 28 13 13-0135 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270).....	107.07	34.17
10 28 13 13-0136 EA Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254).....	200.32	34.17
10 28 13 13-0137 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353).....	216.76	34.17
10 28 13 13-0138 EA Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303).....	488.73	34.17
10 28 13 13-0139 EA Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354).....	265.38	34.17
10 28 13 13-0140 EA Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354).....	455.09	34.17
<b>10 28 13 13-0141 Grab Bars (10 28 13 13-0001)</b>		
<b>10 28 13 13-0142 1-1/4" Diameter, Stainless Steel Grab Bars (10 28 13 13-0141)</b>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0143 EA 12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12).....	102.79	27.34
For Peened Grip, Add	4.95	
10 28 13 13-0144 EA 18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18).....	116.84	27.34
For Peened Grip, Add	6.21	
10 28 13 13-0145 EA 24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24).....	118.25	27.34
For Peened Grip, Add	6.34	
10 28 13 13-0146 EA 30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30).....	118.91	27.34
For Peened Grip, Add	6.40	
10 28 13 13-0147 EA 36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36).....	119.09	27.34
For Peened Grip, Add	6.41	
10 28 13 13-0148 EA 42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42).....	122.49	27.34
For Peened Grip, Add	6.72	
10 28 13 13-0149 EA 48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48).....	127.85	27.34
For Peened Grip, Add	7.20	
<b>10 28 13 13-0150 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars (10 28 13 13-0141)</b>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0151 EA 24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616).....	191.24	27.34
For Peened Grip, Add	12.29	
10 28 13 13-0152 EA 36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837).....	194.90	27.34
For Peened Grip, Add	12.62	
<b>10 28 13 13-0153 1-1/2" Diameter, Stainless Steel Grab Bars (10 28 13 13-0141)</b>		
Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0154 EA 12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12).....	115.66	27.34
For Peened Grip, Add	6.10	
10 28 13 13-0155 EA 18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18).....	116.84	27.34
For Peened Grip, Add	6.21	
10 28 13 13-0156 EA 24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24).....	119.09	27.34
For Peened Grip, Add	6.41	
10 28 13 13-0157 EA 30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30).....	121.36	27.34
For Peened Grip, Add	6.62	
10 28 13 13-0158 EA 36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36).....	124.18	27.34
For Peened Grip, Add	6.87	
10 28 13 13-0159 EA 42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42).....	126.73	27.34
For Peened Grip, Add	7.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0160	EA		48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)..... <i>For Peened Grip, Add</i>	132.95 7.66	27.34
<b>10 28 13 13-0161</b>			<b>1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars</b> (10 28 13 13-0141) Note: Includes satin finish and concealed mounting with snap flange.		
10 28 13 13-0162	EA		16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)..... <i>For Peened Grip, Add</i>	175.96 10.92	27.34
10 28 13 13-0163	EA		24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)..... <i>For Peened Grip, Add</i>	188.13 12.01	27.34
10 28 13 13-0164	EA		36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)..... <i>For Peened Grip, Add</i>	165.22 9.95	27.34
<b>10 28 13 13-0165</b>			<b>1-1/4" Diameter, Stainless Steel Swing Up Grab Bars</b> (10 28 13 13-0141) Note: Includes satin finish and mounting for swing up.		
10 28 13 13-0166	EA		29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)..... <i>For Peened Grip, Add</i>	490.01 39.80	27.34
<b>10 28 13 13-0167</b>			<b>Shelves</b> (10 28 13 13-0001)		
10 28 13 13-0168	EA		5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295).....	134.16	30.75
10 28 13 13-0169	EA		5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295).....	137.56	30.75
10 28 13 13-0170	EA		5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295).....	153.11	30.75
10 28 13 13-0171	EA		5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36).....	157.02	30.75
10 28 13 13-0172	EA		6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296).....	150.86	30.75
10 28 13 13-0173	EA		6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24).....	152.70	30.75
10 28 13 13-0174	EA		8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298).....	161.87	30.75
10 28 13 13-0175	EA		8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298).....	175.15	30.75
10 28 13 13-0176	EA		8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36).....	203.23	30.75
10 28 13 13-0177	EA		5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287).....	162.15	30.75
10 28 13 13-0178	EA		4-3/4" Width x 24" Length, Stainless Steel Toiletary Shelf (Bobrick B-683).....	164.98	30.75
10 28 13 13-0179	EA		12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24).....	228.50	30.75
10 28 13 13-0180	EA		12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30).....	243.09	30.75
10 28 13 13-0181	EA		12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36).....	265.61	30.75
10 28 13 13-0182	EA		12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48).....	326.88	30.75
10 28 13 13-0183	EA		12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60).....	438.49	30.75
10 28 13 13-0184	EA		4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412).....	200.55	30.75
<b>10 28 13 13-0185</b>			<b>Changing Stations</b> (10 28 13 13-0001)		
10 28 13 13-0186	EA		Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1).....	481.32	41.00
10 28 13 13-0187	EA		Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00).....	508.62	41.00
10 28 13 13-0188	EA		Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE).....	1,974.53	41.00
10 28 13 13-0189	EA		Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM).....	2,289.32	41.00
10 28 13 13-0190	EA		Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE).....	1,974.53	41.00
10 28 13 13-0191	EA		Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM).....	2,289.32	41.00
<b>10 28 13 13-0192</b>			<b>Folding Shower Seats</b> (10 28 13 13-0001)		
10 28 13 13-0193	EA		33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181).....	610.15	54.67
10 28 13 13-0194	EA		33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518).....	788.26	54.67
10 28 13 13-0195	EA		30" Width, Wall-Mounted, Teakwood Folding Shower Seat.....	2,830.33	54.67
10 28 13 13-0196	EA		33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32).....	3,852.15	
<b>10 28 13 13-0197</b>			<b>Soap/Dish Holders</b> (10 28 13 13-0001)		
10 28 13 13-0198	EA		Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679).....	73.75	30.75
10 28 13 13-0199	EA		Surface Mounted, Stainless Steel Soap Dish (Gamco 7680).....	75.72	30.75
10 28 13 13-0200	EA		Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380).....	127.48	30.75
10 28 13 13-0201	EA		Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390).....	137.38	30.75
<b>10 28 13 13-0202</b>			<b>Shower Curtains/Curtain Rods</b> (10 28 13 13-0001)		
10 28 13 13-0203	EA		Stainless Steel Shower Curtain Hook (Bobrick B-204-1).....	3.61	1.37
10 28 13 13-0204	EA		42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2)..... Note: Requires 7 curtain hooks.	55.90	13.67
10 28 13 13-0205	EA		70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3)..... Note: Requires 12 curtain hooks.	58.31	13.67
10 28 13 13-0206	EA		36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	101.37	30.75
10 28 13 13-0207	EA		48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	107.60	30.75
10 28 13 13-0208	EA		60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	115.23	30.75
10 28 13 13-0209	EA		72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207).....	124.56	30.75
10 28 13 13-0210	EA		36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36).....	90.63	30.75
10 28 13 13-0211	EA		48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48).....	97.98	30.75
10 28 13 13-0212	EA		60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60).....	102.22	30.75
10 28 13 13-0213	EA		72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72).....	107.60	30.75
10 28 13 13-0214	EA		36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	93.74	30.75
10 28 13 13-0215	EA		48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	99.96	30.75
10 28 13 13-0216	EA		60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	107.30	30.75
10 28 13 13-0217	EA		72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047).....	112.40	30.75



**10 Specialties**

**10 20 Interior Specialties**

**10 28 Toilet, Bath, and Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0218			<b>Hand Dryers</b> (10 28 13 13-0001)		
10 28 13 13-0219	EA		Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompactDryer B-710).....	576.68	38.61
10 28 13 13-0220	EA		Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V).....	618.22	38.61
10 28 13 13-0221	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V).....	680.99	38.61
10 28 13 13-0222	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230).....	948.94	38.61
10 28 13 13-0223	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A).....	719.72	38.61
10 28 13 13-0224	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A).....	795.42	38.61
10 28 13 13-0225	EA		Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60).....	3,169.58	38.61
10 28 13 13-0226	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T).....	3,301.28	38.61
10 28 13 13-0227	EA		Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR).....	3,441.76	38.61
10 28 13 13-0228	EA		Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR).....	895.87	38.61
10 28 13 13-0229	EA		Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12).....	1,822.54	38.61
10 28 13 13-0230	EA		Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14).....	3,046.19	38.61
10 28 13 13-0231	EA		Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9).....	1,356.30	38.61
			Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0232	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M).....	1,430.33	38.61
			Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0233	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG).....	1,472.63	38.61
			Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0234	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C).....	1,514.93	38.61
			Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0235	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS).....	1,599.53	38.61
			Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.		
10 28 13 13-0236	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9).....	1,102.50	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0237	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M).....	1,176.53	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0238	EA		Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG).....	1,218.83	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0239	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C).....	1,261.13	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0240	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS).....	1,345.73	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0241	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7).....	1,102.50	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0242	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M).....	1,176.53	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0243	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG).....	1,218.83	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0244	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C).....	1,261.13	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0245	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS).....	1,345.73	38.61
			Note: Electronically adjustable sound and speed.		
10 28 13 13-0246	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90).....	806.40	38.61
10 28 13 13-0247	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M).....	880.43	38.61
10 28 13 13-0248	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG).....	922.73	38.61
10 28 13 13-0249	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C).....	965.03	38.61
10 28 13 13-0250	EA		Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS).....	1,049.63	38.61
10 28 13 13-0251	EA		Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H).....	806.40	38.61
10 28 13 13-0252	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH).....	880.43	38.61
10 28 13 13-0253	EA		Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH).....	922.73	38.61
10 28 13 13-0254	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH).....	965.03	38.61
10 28 13 13-0255	EA		Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH).....	1,049.63	38.61
10 28 13 13-0256	EA		Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1).....	594.90	38.61
10 28 13 13-0257	EA		Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M).....	668.93	38.61
10 28 13 13-0258	EA		Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C).....	753.53	38.61
10 28 13 13-0259			<b>Hand Dryers (Excel XLERATOR®)</b> (10 28 13 13-0001)		
			Note: With or without noise reduction nozzle options.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	10 28 13 13-0260	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W).....	1,132.07	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0261	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH).....	1,580.80	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0262	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR).....	1,322.62	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0263	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH).....	1,645.35	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0264	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C).....	1,419.44	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0265	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH).....	1,742.17	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0266	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB).....	1,419.44	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0267	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH).....	1,742.17	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0268	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP).....	1,322.62	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0269	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH).....	1,645.35	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0270	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW).....	1,193.52	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0271	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-BWH).....	1,516.26	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0272	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO).....	1,132.07	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0273	EA		Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO).....	1,580.80	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0274	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO).....	1,322.62	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0275	EA		Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO).....	1,645.35	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0276	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO).....	1,419.44	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0277	EA		Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO).....	1,742.17	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0278	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO).....	1,419.44	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0279	EA		Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO).....	1,742.17	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0280	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO).....	1,322.62	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0281	EA		Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO).....	1,645.35	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0282	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO).....	1,193.52	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0283	EA		Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO).....	1,516.26	38.61
				<i>For ADA-Compliant Recess Kit, Add</i>	183.92	
	10 28 13 13-0284			<b>Additional Accessories</b> <small>(10 28 13 13-0001)</small>		
	10 28 13 13-0285			<b>Hooks</b> <small>(10 28 13 13-0284)</small>		
		EA		Stainless Steel Clothes Hook And Bumper (Bobrick B-212).....	36.67	13.67
		EA		Single Stainless Steel Robe Hook (Bobrick B-233).....	42.89	13.67
		EA		Single Stainless Steel Robe Hook (Bobrick B-7671).....	37.23	13.67
		EA		Double Stainless Steel Robe Hook (Bobrick B-7672).....	40.01	13.67
		EA		Single Stainless Steel Robe Hook (Bobrick B-6717).....	57.58	13.67
	10 28 13 13-0291			<b>Clotheslines</b> <small>(10 28 13 13-0284)</small>		
		EA		Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636).....	64.10	27.34
	10 28 13 13-0293			<b>Towel Bars</b> <small>(10 28 13 13-0284)</small>		

## 10 Specialties

## 10 20 Interior Specialties

## 10 28 Toilet, Bath, and Laundry Accessories

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0294	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18).....	79.45	30.75
10 28 13 13-0295	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24).....	79.67	30.75
10 28 13 13-0296	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18).....	87.96	30.75
10 28 13 13-0297	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24).....	88.75	30.75
10 28 13 13-0298	EA		18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	125.12	30.75
10 28 13 13-0299	EA		24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673).....	129.92	30.75
10 28 13 13-0300	EA		18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	128.80	30.75
10 28 13 13-0301	EA		24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674).....	132.75	30.75
10 28 13 13-0302	EA		18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	139.83	30.75
10 28 13 13-0303	EA		24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205).....	144.03	30.75
10 28 13 13-0304	EA		18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	109.01	30.75
10 28 13 13-0305	EA		24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530).....	112.68	30.75
<b>10 28 13 13-0306</b>			<b>Towel Bar With Shelf</b> <small>(10 28 13 13-0284)</small>		
10 28 13 13-0307	EA		24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676).....	232.55	30.75
<b>10 28 13 13-0308</b>			<b>Towel Pins</b> <small>(10 28 13 13-0284)</small>		
10 28 13 13-0309	EA		Stainless Steel Towel Pin (Bobrick B-677).....	61.27	13.67
<b>10 28 13 13-0310</b>			<b>Mirrors</b> <small>(10 28 13 13)</small>		
<b>10 28 13 13-0311</b>			<b>Stainless Steel Channel Frame Glass Mirrors</b> <small>(10 28 13 13-0310)</small>		
10 28 13 13-0312	EA		16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24).....	138.97	34.17
10 28 13 13-0313	EA		18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824).....	156.82	34.17
10 28 13 13-0314	EA		18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830).....	163.00	34.17
			<i>For Tempered Glass (B-1658), Add</i>	51.91	
10 28 13 13-0315	EA		18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836).....	175.67	34.17
			<i>For Tempered Glass (B-1658), Add</i>	60.78	
10 28 13 13-0316	EA		24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430).....	191.93	34.17
10 28 13 13-0317	EA		24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436).....	198.77	34.17
			<i>For Tempered Glass (B-1658), Add</i>	76.95	
10 28 13 13-0318	EA		24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448).....	243.64	34.17
10 28 13 13-0319	EA		24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460).....	280.40	34.17
10 28 13 13-0320	EA		36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36).....	336.57	34.17
10 28 13 13-0321	EA		48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836).....	421.87	34.17
10 28 13 13-0322	EA		60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36).....	473.70	34.17
<b>10 28 13 13-0323</b>			<b>Stainless Steel Channel Frame Glass Mirror/Shelf Combination</b> <small>(10 28 13 13-0310)</small>		
10 28 13 13-0324	EA		18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824).....	252.10	34.17
10 28 13 13-0325	EA		18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830).....	271.29	34.17
10 28 13 13-0326	EA		18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836).....	283.98	34.17
10 28 13 13-0327	EA		24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436).....	319.75	34.17
<b>10 28 13 13-0328</b>			<b>Stainless Steel Angle Frame Glass Mirrors</b> <small>(10 28 13 13-0310)</small>		
10 28 13 13-0329	EA		18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824).....	225.07	34.17
10 28 13 13-0330	EA		18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830).....	246.25	34.17
			<i>For Tempered Glass (B-2908), Add</i>	103.89	
10 28 13 13-0331	EA		18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836).....	253.40	34.17
			<i>For Tempered Glass (B-2908), Add</i>	108.61	
10 28 13 13-0332	EA		24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430).....	295.68	34.17
10 28 13 13-0333	EA		24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436).....	297.31	34.17
			<i>For Tempered Glass (B-2908), Add</i>	137.59	
10 28 13 13-0334	EA		24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448).....	395.20	34.17
10 28 13 13-0335	EA		24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460).....	463.49	34.17
10 28 13 13-0336	EA		24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472).....	527.25	34.17
10 28 13 13-0337	EA		36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36).....	353.64	34.17
10 28 13 13-0338	EA		48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36).....	429.64	34.17
10 28 13 13-0339	EA		72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36).....	654.44	34.17
<b>10 28 13 13-0340</b>			<b>Stainless Steel Angle Frame Glass Mirror/Shelf Combination</b> <small>(10 28 13 13-0310)</small>		
10 28 13 13-0341	EA		18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24).....	232.48	34.17
10 28 13 13-0342	EA		18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830).....	452.11	34.17
10 28 13 13-0343	EA		18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836).....	473.59	34.17
10 28 13 13-0344	EA		24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436).....	527.25	34.17
<b>10 28 13 13-0345</b>			<b>Frameless Stainless Steel Mirrors</b> <small>(10 28 13 13-0310)</small>		
10 28 13 13-0346	EA		17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830).....	251.45	34.17
10 28 13 13-0347	EA		23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436).....	323.31	34.17
<b>10 28 13 13-0348</b>			<b>Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors</b> <small>(10 28 13 13-0310)</small>		
10 28 13 13-0349	EA		16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630).....	339.59	34.17
10 28 13 13-0350	EA		18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830).....	353.58	34.17
10 28 13 13-0351	EA		18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836).....	426.75	34.17

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 13 13-0352	EA			24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436).....	523.34	34.17
<b>10 28 13 13-0353 Medicine Cabinets (10 28 13 13)</b>						
<b>10 28 13 13-0354 Metal Medicine Cabinets (10 28 13 13-0353)</b>						
10 28 13 13-0355	EA			20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB) .....	1,111.93	68.34
10 28 13 13-0356	EA			15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397)..... Note: Includes three adjustable plastic shelves.	279.60	68.34
10 28 13 13-0357	EA			14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) .....	287.65	68.34
10 28 13 13-0358	EA			15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) .....	594.39	68.34
10 28 13 13-0359	EA			17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299)..... Note: Includes four adjustable shelves.	805.01	68.34
<b>10 28 13 13-0360 Janitorial Material (10 28 13 13)</b>						
10 28 13 13-0361	EA			Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670).....	57.58	13.67
10 28 13 13-0362	EA			24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24).....	148.02	30.75
10 28 13 13-0363	EA			24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24).....	142.94	30.75
10 28 13 13-0364	EA			30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1).....	160.84	30.75
10 28 13 13-0365	EA			36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36).....	178.55	30.75
10 28 13 13-0366	EA			36" Length, Utility Hook Strip (Gamco HCS-2) .....	123.06	30.75
10 28 13 13-0367	EA			36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36) .....	321.60	30.75
10 28 13 13-0368	EA			34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34) .....	458.16	30.75
<b>10 28 13 13-0369 Removal And Reinstallation Of Bathroom Accessories (10 28 13 13)</b>						
10 28 13 13-0370	EA			Removal And Reinstallation Of Bathroom Accessory .....	42.71	
<b>10 28 16 Bath Accessories (10 28)</b>						
<b>10 28 16 13 Residential Bath Accessories (10 28 16)</b>						
<b>10 28 16 13-0001 Residential Toilet Accessories (10 28 16 13)</b>						
<b>10 28 16 13-0002 Residential, Recessed, Chrome Plated Toilet Accessories (10 28 16 13-0001)</b>						
10 28 16 13-0003	EA			Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder .....	164.32	30.75
10 28 16 13-0004	EA			Recessed Mounted, Chrome Plated Soap Dish.....	250.70	30.75
10 28 16 13-0005	EA			Recessed Mounted, Chrome Plated Soap Dish And Bar.....	268.26	30.75
10 28 16 13-0006	EA			Recessed Mounted, Chrome Plated Tumbler Holder .....	171.76	30.75
<b>10 28 16 13-0007 Residential, Surface Mounted, Chrome Plated Toilet Accessories (10 28 16 13-0001)</b>						
10 28 16 13-0008	EA			Surface Mounted, Chrome Plated Soap Dish.....	111.15	20.50
10 28 16 13-0009	EA			Surface Mounted, Chrome Plated Single Clothes Hook.....	130.73	20.50
10 28 16 13-0010	EA			Surface Mounted, Chrome Plated Double Clothes Hook.....	130.73	20.50
10 28 16 13-0011	LF			6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports .....	283.38	20.50
10 28 16 13-0012	LF			6" Deep, Surface Mounted, Stainless Steel Shelf.....	234.12	20.50
10 28 16 13-0013	EA			18" Length, Surface Mounted, Chrome Plated Towel Bar .....	142.39	27.34
10 28 16 13-0014	EA			24" Length, Surface Mounted, Chrome Plated Towel Bar .....	144.58	27.34
10 28 16 13-0015	EA			Surface Mounted, Chrome Plated Towel Ring.....	106.33	20.50
10 28 16 13-0016	EA			Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder.....	97.49	13.67
10 28 16 13-0017	EA			Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder.....	111.15	20.50
10 28 16 13-0018	EA			Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder .....	242.42	20.50
10 28 16 13-0019	EA			Surface Mounted, Chrome Plated Globe Soap Dispenser.....	137.50	20.50
10 28 16 13-0020	EA			Surface Mounted, Chrome Plated Towel Pin .....	146.36	13.67
10 28 16 13-0021	EA			Surface Mounted, Chrome Plated Towel Ladder And Shelf .....	472.15	20.50
10 28 16 13-0022	EA			Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline .....	224.51	20.50
10 28 16 13-0023	EA			24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar .....	96.33	20.50
<b>10 28 16 13-0024 Residential Toilet Accessories (10 28 16 13-0001)</b>						
10 28 16 13-0025	EA			Surface Mounted Plastic Paper Towel Dispenser.....	133.72	30.75
10 28 16 13-0026	EA			Surface Mounted Plastic Napkin Disposal.....	117.78	30.75
10 28 16 13-0027	EA			50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent.....	123.41	
10 28 16 13-0028	EA			50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps .....	140.29	30.75
10 28 16 13-0029	EA			Multi Roll (2) Plastic Toilet Tissue Dispenser.....	133.77	30.75
10 28 16 13-0030	EA			Single Jumbo Roll Plastic Toilet Tissue Dispenser.....	163.90	37.59
10 28 16 13-0031	EA			Surface Mounted Plastic Toilet Seat Cover Dispenser .....	90.35	27.34
10 28 16 13-0032	EA			13 Gallon Plastic Waste Door For Countertops .....	318.21	51.26
<b>10 28 16 13-0033 Residential Medicine Cabinets, Solid Oak (10 28 16 13-0001)</b>						
Note: Surface or recessed mounted, premium quality.						
10 28 16 13-0034	EA			24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	412.13	68.34
10 28 16 13-0035	EA			24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	523.42	68.34
10 28 16 13-0036	EA			30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror.....	433.63	68.34
10 28 16 13-0037	EA			30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror .....	552.75	68.34
10 28 16 13-0038	EA			36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	447.19	68.34
10 28 16 13-0039	EA			36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror.....	578.52	68.34
10 28 16 13-0040	EA			48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror.....	465.81	68.34



**10 Specialties**

**10 20 Interior Specialties**

**10 28 Toilet, Bath, and Laundry Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 28 16 13-0041	EA		48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	610.01	68.34
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**10 28 19 Tub and Shower Enclosures (10 28)**

**10 28 19 16 Shower Doors (10 28 19)**

**10 28 19 16-0001 Swinging Shower Doors (10 28 19 16)**

**10 28 19 16-0002 Framed, Swinging Shower Doors (10 28 19 16-0001)**

10 28 19 16-0003	EA		24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	594.42	75.81
10 28 19 16-0004	EA		27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	623.42	37.91
10 28 19 16-0005	EA		29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	743.74	37.91
10 28 19 16-0006	EA		33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	620.33	37.91
10 28 19 16-0007	EA		35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	661.42	37.91

**10 28 19 16-0008 Sliding Shower Doors (10 28 19 16)**

**10 28 19 16-0009 Framed, Sliding Shower Doors (10 28 19 16-0008)**

10 28 19 16-0010	EA		40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	989.79	37.91
10 28 19 16-0011	EA		44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	908.40	37.91
10 28 19 16-0012	EA		46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	930.32	37.91
10 28 19 16-0013	EA		52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	953.63	37.91
10 28 19 16-0014	EA		54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	966.64	37.91
10 28 19 16-0015	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	985.89	37.91

**10 28 19 19 Tub Doors (10 28 19)**

**10 28 19 19-0001 Sliding Bathtub Doors (10 28 19 19)**

**10 28 19 19-0002 Framed, Sliding Bathtub Doors (10 28 19 19-0001)**

10 28 19 19-0003	EA		52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	883.93	37.91
10 28 19 19-0004	EA		54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	893.31	37.91
10 28 19 19-0005	EA		56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	914.52	37.91

**10 40 Safety Specialties (10)**

**10 41 Emergency Access And Information Cabinets (10 40)**

**10 41 13 Fire Department Plan Cabinets (10 41)**

**10 41 13 00-0001 Fire Department Plan Cabinets (Knox) (10 41 13)**

10 41 13 00-0002	EA		18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,755.58	44.42
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Back Key Hook Panel, Add</i>	60.09	
			<i>For Swing Key Hook Panel, Add</i>	159.09	
			<i>For Non-Locking Weather Housing, Add</i>	400.26	
10 41 13 00-0003	EA		18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,861.04	44.42
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Back Key Hook Panel, Add</i>	60.09	
			<i>For Swing Key Hook Panel, Add</i>	159.09	
			<i>For Second Swing Key Hook Panel, Add</i>	126.09	
			<i>For Non-Locking Weather Housing, Add</i>	400.26	

**10 41 16 Emergency Key Cabinets (10 41)**

**10 41 16 00-0001 Emergency Key Cabinets (Knox) (10 41 16)**

10 41 16 00-0002	EA		Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	880.27	44.42
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
10 41 16 00-0003	EA		5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	774.81	44.42
			<i>For Lift-Off Door, Deduct</i>	-40.00	
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	65.43	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	119.00	

<b>Specialties</b>	<b>10</b>
<b>Safety Specialties</b>	<b>10 40</b>
<b>Emergency Access And Information Cabinets</b>	<b>10 41</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 41 16 00-0004	EA		6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100).....	1,033.19	44.42
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	65.43	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	130.00	
10 41 16 00-0005	EA		7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400).....	1,099.10	44.42
			<i>For Aluminum Or Dark Bronze Finish, Add</i>	10.00	
			<i>For Tamper Switch Connected To Existing Alarm System, Add</i>	40.00	
			<i>For Recess Mount, Add</i>	65.43	
			<i>For Dual Locks, Add</i>	60.00	
			<i>For Cast-In-Place Concrete Recess Mounting, Add</i>	135.00	

**10 44 Fire Protection Specialties (10 40)**

**10 44 13 Fire Protection Cabinets (10 44)**

**10 44 13 00-0001 Fire Extinguisher Cabinets (10 44 13)**

**10 44 13 00-0002 Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)**

**10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	452.01	56.04
10 44 13 00-0005	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	459.94	56.04
10 44 13 00-0006	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	461.52	56.04
10 44 13 00-0007	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	510.68	56.04
10 44 13 00-0008	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	639.13	56.04
10 44 13 00-0009	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet.....	656.58	56.04

**10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	426.35	56.04
10 44 13 00-0012	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	432.27	56.04
10 44 13 00-0013	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	442.13	56.04
10 44 13 00-0014	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	458.90	56.04
10 44 13 00-0015	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	510.64	56.04
10 44 13 00-0016	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet.....	526.42	56.04

**10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA		9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	586.33	56.04
10 44 13 00-0019	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	600.10	56.04
10 44 13 00-0020	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	606.99	56.04
10 44 13 00-0021	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	654.04	56.04
10 44 13 00-0022	EA		16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	748.74	56.04
10 44 13 00-0023	EA		20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet.....	777.43	56.04

**10 44 13 00-0024 Bronze Door And Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0025	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,713.56	56.04
10 44 13 00-0026	EA		10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,726.16	56.04
10 44 13 00-0027	EA		12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet.....	1,983.10	56.04

**10 44 13 00-0028 Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets (10 44 13 00-0002)**

Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.

10 44 13 00-0029	EA		10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	555.09	56.04
10 44 13 00-0030	EA		14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door.....	615.35	56.04

**10 44 13 00-0031 Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0001)**

**10 44 13 00-0032 Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)**

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0033	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	494.82	56.04
10 44 13 00-0034	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	510.68	56.04
10 44 13 00-0035	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	512.27	56.04
10 44 13 00-0036	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	566.19	56.04
10 44 13 00-0037	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	674.02	56.04
10 44 13 00-0038	EA		20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet.....	691.46	56.04

**10 44 13 00-0039 Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets (10 44 13 00-0031)**

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0040	EA		9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	470.20	56.04
10 44 13 00-0041	EA		10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	484.99	56.04
10 44 13 00-0042	EA		10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	493.87	56.04
10 44 13 00-0043	EA		12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	510.64	56.04
10 44 13 00-0044	EA		16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet.....	568.83	56.04



**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet .....	582.64	56.04
<b>10 44 13 00-0046</b>		<b>Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b>		
		<small>(10 44 13 00-0031)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	646.61	56.04
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	662.68	56.04
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	669.56	56.04
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	705.14	56.04
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	793.50	56.04
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet .....	813.01	56.04
<b>10 44 13 00-0053</b>		<b>Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets</b>		
		<small>(10 44 13 00-0031)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet .....	2,162.25	56.04
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet .....	2,172.82	56.04
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet .....	2,491.96	56.04
<b>10 44 13 00-0057</b>		<b>Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets</b>		
		<small>(10 44 13 00-0031)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	612.17	56.04
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	669.26	56.04
<b>10 44 13 00-0060</b>		<b>Surface Mounted Fire Extinguisher Cabinets</b>		
<b>10 44 13 00-0061</b>		<b>Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b>		
		<small>(10 44 13 00-0060)</small> Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	482.14	56.04
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	491.65	56.04
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	567.77	56.04
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	661.33	56.04
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet .....	686.71	56.04
<b>10 44 13 00-0067</b>		<b>Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets</b>		
		<small>(10 44 13 00-0060)</small> Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet .....	563.90	56.04
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet .....	576.72	56.04
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet .....	605.33	56.04
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet .....	661.55	56.04
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet .....	685.22	56.04
<b>10 44 13 00-0073</b>		<b>Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets</b>		
		<small>(10 44 13 00-0060)</small> Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	746.45	56.04
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	768.25	56.04
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	822.19	56.04
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	926.62	56.04
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet .....	958.75	56.04
<b>10 44 13 00-0079</b>		<b>Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets</b>		
		<small>(10 44 13 00-0060)</small> Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet .....	2,482.00	56.04
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet .....	2,798.71	56.04
<b>10 44 13 00-0082</b>		<b>Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets</b>		
		<small>(10 44 13 00-0060)</small> Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	577.29	56.04
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	647.06	56.04
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door .....	891.27	56.04
<b>10 44 13 00-0086</b>		<b>Fire Extinguisher Cabinet Accessories</b>		
		<small>(10 44 13 00-0001)</small>		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism .....	46.35	17.09
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets .....	42.09	17.09
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle .....	39.49	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm .....	123.12	34.17
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets .....	235.91	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets .....	259.50	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets .....	353.86	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets .....	483.62	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets .....	566.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets .....	136.83
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets .....	141.55
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets .....	188.73
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets .....	342.07
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets .....	346.79
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets .....	133.07
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets .....	139.73
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets .....	188.52
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets .....	332.68
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets .....	337.12

**10 44 13 00-0106 Fire Hose Cabinets** (10 44 13)

Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0001 for fire department valves, 21 12 23 00-0014 for fire hose angle valves.

**10 44 13 00-0107 Recessed Fire Hose Cabinets** (10 44 13 00-0106)

**10 44 13 00-0108 Steel Door And Trim, Recessed Fire Hose Cabinets** (10 44 13 00-0107)

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	780.42		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	792.71		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	802.95		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	813.20		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	825.48		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	858.23		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet .....	868.48		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		

**10 44 13 00-0116 Aluminum Door And Trim, Recessed Fire Hose Cabinets** (10 44 13 00-0107)

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	837.17		208.01
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	856.97		208.01
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	859.54		208.01
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	867.77		208.01
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	878.57		208.01
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	909.16		208.01
		<i>For Solid Aluminum Door, Add</i>	6.50		
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet .....	939.76		208.01
		<i>For Solid Aluminum Door, Add</i>	6.50		

**10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets** (10 44 13 00-0107)

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	1,072.07		208.01
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	1,174.51		208.01
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	1,184.37		208.01
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	1,215.89		208.01
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	1,225.74		208.01
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	1,276.96		208.01
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet .....	1,328.19		208.01
		<i>For Solid Stainless Steel Door, Deduct</i>	-7.70		

**10 44 13 00-0132 Semi Recessed Fire Hose Cabinets** (10 44 13 00-0106)

**10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets** (10 44 13 00-0132)

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	813.20		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	825.48		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	835.70		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet .....	847.99		208.01
		<i>For Solid Steel Door, Deduct</i>	-8.60		

**10 Specialties****10 40 Safety Specialties****10 44 Fire Protection Specialties**

MINOR

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TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	858.23 -8.60	208.01
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	890.98 -8.60	208.01
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	903.26 -8.60	208.01
<b>10 44 13 00-0141</b>		<b>Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets</b> (10 44 13 00-0132) Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	856.97 6.50	208.01
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	878.57 6.50	208.01
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	881.65 6.50	208.01
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	887.57 6.50	208.01
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	898.36 6.50	208.01
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	928.96 6.50	208.01
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	959.56 6.50	208.01
<b>10 44 13 00-0149</b>		<b>Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets</b> (10 44 13 00-0132) Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,133.14 -7.70	208.01
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,245.44 -7.70	208.01
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,255.29 -7.70	208.01
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,286.81 -7.70	208.01
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,296.66 -7.70	208.01
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,347.89 -7.70	208.01
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet <i>For Solid Stainless Steel Door, Deduct</i>	1,399.11 -7.70	208.01
<b>10 44 13 00-0157</b>		<b>Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0106)		
<b>10 44 13 00-0158</b>		<b>Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	825.48 -8.60	208.01
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	835.70 -8.60	208.01
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	847.99 -8.60	208.01
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	858.23 -8.60	208.01
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	868.48 -8.60	208.01
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	903.26 -8.60	208.01
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet <i>For Solid Steel Door, Deduct</i>	913.51 -8.60	208.01
<b>10 44 13 00-0166</b>		<b>Aluminum Door And Trim, Surface Mount Fire Hose Cabinets</b> (10 44 13 00-0157) Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	909.16 6.50	208.01
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	928.96 6.50	208.01
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	934.10 6.50	208.01
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	939.76 6.50	208.01
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	948.76 6.50	208.01
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	981.16 6.50	208.01
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet <i>For Solid Aluminum Door, Add</i>	1,000.96 6.50	208.01

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>10 44 13 00-0174</b>	<b>Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets</b> <small>(10 44 13 00-0157)</small>		
<small>Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.</small>			
10 44 13 00-0175	EA 26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,215.89	208.01
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0176	EA 37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,542.94	208.01
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0177	EA 41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,625.68	208.01
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0178	EA 37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,645.38	208.01
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0179	EA 41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,665.09	208.01
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0180	EA 33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,747.83	208.01
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	
10 44 13 00-0181	EA 41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet.....	1,850.28	208.01
	<i>For Solid Stainless Steel Door, Deduct</i>	-7.70	

**10 44 16 Fire Extinguishers** (10 44)

**10 44 16 13 Portable Fire Extinguishers** (10 44 16)

Note: Includes filling, certification, bracket, hardware and mounting on wall.

<b>10 44 16 13-0001</b>	<b>Carbon Dioxide Type, Class BC Portable Fire Extinguisher</b> <small>(10 44 16 13)</small>		
10 44 16 13-0002	EA 2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	203.74	17.77
	<i>For &gt;5 To 10, Deduct</i>	-5.63	
	<i>For &gt;10, Deduct</i>	-11.26	
	<i>For Placement In Cabinet, Deduct</i>	-45.56	
10 44 16 13-0003	EA 5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	291.26	20.50
	<i>For &gt;5 To 10, Deduct</i>	-9.31	
	<i>For &gt;10, Deduct</i>	-18.61	
	<i>For Placement In Cabinet, Deduct</i>	-52.57	
10 44 16 13-0004	EA 10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	378.84	25.97
	<i>For &gt;5 To 10, Deduct</i>	-12.11	
	<i>For &gt;10, Deduct</i>	-24.22	
	<i>For Placement In Cabinet, Deduct</i>	-68.34	
10 44 16 13-0005	EA 15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	467.03	32.80
	<i>For &gt;5 To 10, Deduct</i>	-14.81	
	<i>For &gt;10, Deduct</i>	-29.62	
	<i>For Placement In Cabinet, Deduct</i>	-85.43	
10 44 16 13-0006	EA 20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher.....	515.41	32.80
	<i>For &gt;5 To 10, Deduct</i>	-17.23	
	<i>For &gt;10, Deduct</i>	-34.46	
	<i>For Placement In Cabinet, Deduct</i>	-85.43	
10 44 16 13-0007	EA 50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	1,593.11	51.94
	<i>For &gt;5 To 10, Deduct</i>	-65.99	
	<i>For &gt;10, Deduct</i>	-131.97	
10 44 16 13-0008	EA 100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher.....	3,064.10	51.94
	<i>For &gt;5 To 10, Deduct</i>	-139.54	
	<i>For &gt;10, Deduct</i>	-279.07	

**10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher** (10 44 16 13)

10 44 16 13-0010	EA 2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	134.06	17.77
	<i>For &gt;5 To 10, Deduct</i>	-2.15	
	<i>For &gt;10, Deduct</i>	-4.29	
	<i>For Placement In Cabinet, Deduct</i>	-45.56	
10 44 16 13-0011	EA 5 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	166.04	20.50
	<i>For &gt;5 To 10, Deduct</i>	-3.05	
	<i>For &gt;10, Deduct</i>	-6.09	
	<i>For Placement In Cabinet, Deduct</i>	-52.57	
10 44 16 13-0012	EA 10 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	233.64	25.97
	<i>For &gt;5 To 10, Deduct</i>	-4.85	
	<i>For &gt;10, Deduct</i>	-9.70	
	<i>For Placement In Cabinet, Deduct</i>	-68.34	
10 44 16 13-0013	EA 20 LB Dry Chemical, Type ABC Portable Fire Extinguisher.....	323.44	32.80
	<i>For &gt;5 To 10, Deduct</i>	-7.63	
	<i>For &gt;10, Deduct</i>	-15.26	
	<i>For Placement In Cabinet, Deduct</i>	-85.43	
10 44 16 13-0014	EA 50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	1,897.39	51.94
	<i>For &gt;5 To 10, Deduct</i>	-81.20	
	<i>For &gt;10, Deduct</i>	-162.40	
10 44 16 13-0015	EA 125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher.....	2,786.83	51.94
	<i>For &gt;5 To 10, Deduct</i>	-125.67	
	<i>For &gt;10, Deduct</i>	-251.35	

**10 44 16 13-0016 Other Portable Fire Extinguishers** (10 44 16 13)

10 44 16 13-0017	EA 2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher.....	230.05	20.50
	<small>Note: Stainless steel.</small>		
	<i>For &gt;5 To 10, Deduct</i>	-6.25	
	<i>For &gt;10, Deduct</i>	-12.49	
	<i>For Placement In Cabinet, Deduct</i>	-52.57	
10 44 16 13-0018	EA 1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher.....	351.12	32.80
	<small>Note: Stainless steel.</small>		
	<i>For &gt;5 To 10, Deduct</i>	-9.01	
	<i>For &gt;10, Deduct</i>	-18.03	
	<i>For Placement In Cabinet, Deduct</i>	-85.43	

<b>10</b>	<b>10 Specialties</b>
	<b>10 40 Safety Specialties</b>
	<b>10 44 Fire Protection Specialties</b>



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
10 44 16 13-0019	EA 2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel. For >5 To 10, Deduct For >10, Deduct For Placement In Cabinet, Deduct	370.76 -10.00 -19.99 -85.43	32.80
10 44 16 13-0020	EA 30 LB Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel. For >5 To 10, Deduct For >10, Deduct	506.42 -16.78 -33.56	32.80
10 44 16 13-0021	Fire Extinguisher Backboards (10 44 16 13)		
10 44 16 13-0022	Fire Extinguisher Backboards (10 44 16 13-0021) Note: Mounted to any wall. Includes anchors.		
10 44 16 13-0023	EA Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	147.21	23.37
10 44 16 13-0024	EA Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	206.16	
10 44 16 13-0025	Inspections And Testing (10 44 16 13)		
10 44 16 13-0026	EA On Site Fire Extinguisher Annual Inspection (Tag)	9.00	
10 44 16 13-0027	EA On Site Fire Extinguisher Hydrotest	13.24	
10 44 19	Fire Blankets (10 44)		
10 44 19 00-0001	EA Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	569.75	56.04
10 44 19 00-0002	EA Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	419.10	56.04
10 50	Storage Specialties (10)		
10 51	Lockers (10 50)		
10 51 13	Metal Lockers (10 51)		
10 51 13 00-0001	Institutional And Corridor Lockers (10 51 13) Note: Price per frame. Powder coated enamel paint. 24 gauge tops, bottoms, backs and sides. Doors less than 12" are 18 gauge. Doors 12" and wider are 16 gauge. Includes number plate and single point lock with silencers. Excludes slope top, base fillers, and locks.		
10 51 13 00-0002	Single Tier Institutional Or Corridor Locker (10 51 13 00-0001) Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0003	EA 12" x 12" x 60" Single Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	287.78 5.80 -10.15 -21.58 -33.00 16.24	42.38
10 51 13 00-0004	EA 12" x 15" x 60" Single Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	298.54 5.80 -10.69 -22.65 -34.61 17.10	42.38
10 51 13 00-0005	EA 12" x 18" x 60" Single Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	313.25 5.80 -11.43 -24.12 -36.82 18.28	42.38
10 51 13 00-0006	EA 12" x 12" x 72" Single Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	312.84 5.80 -11.27 -23.85 -36.43 18.03	43.74
10 51 13 00-0007	EA 12" x 15" x 72" Single Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	321.76 5.80 -11.71 -24.74 -37.77 18.74	43.74
10 51 13 00-0008	EA 12" x 18" x 72" Single Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	330.45 5.80 -12.15 -25.61 -39.07 19.44	43.74
10 51 13 00-0009	EA 15" x 15" x 72" Single Tier Institutional Or Corridor Locker For 16 Gauge Bottom, Add For >25 To 50, Deduct For >50 To 100, Deduct For >100, Deduct For 14 Gauge Doors, Add	345.46 6.65 -12.90 -27.11 -41.32 20.64	43.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0010	EA		15" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	360.32	43.74
			For 16 Gauge Bottom, Add	6.65	
			For >25 To 50, Deduct	-13.64	
			For >50 To 100, Deduct	-28.60	
			For >100, Deduct	-43.55	
			For 14 Gauge Doors, Add	21.83	
10 51 13 00-0011	EA		18" x 18" x 72" Single Tier Institutional Or Corridor Locker.....	376.05	43.74
			For 16 Gauge Bottom, Add	8.10	
			For >25 To 50, Deduct	-14.43	
			For >50 To 100, Deduct	-30.17	
			For >100, Deduct	-45.91	
			For 14 Gauge Doors, Add	23.09	
10 51 13 00-0012	EA		18" x 21" x 72" Single Tier Institutional Or Corridor Locker.....	390.58	43.74
			For 16 Gauge Bottom, Add	8.10	
			For >25 To 50, Deduct	-15.16	
			For >50 To 100, Deduct	-31.62	
			For >100, Deduct	-48.09	
			For 14 Gauge Doors, Add	24.25	
10 51 13 00-0013	EA		24" x 24" x 72" Single Tier Institutional Or Corridor Locker.....	523.32	43.74
			For 16 Gauge Bottom, Add	11.50	
			For >25 To 50, Deduct	-21.79	
			For >50 To 100, Deduct	-44.90	
			For >100, Deduct	-68.00	
			For 14 Gauge Doors, Add	34.87	
<b>10 51 13 00-0014</b>			<b>Two Tier Institutional Or Corridor Locker</b> <small>(10 51 13 00-0001)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0015	EA		12" x 12" x 60" Two Tier Institutional Or Corridor Locker.....	337.95	43.74
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-12.52	
			For >50 To 100, Deduct	-26.36	
			For >100, Deduct	-40.20	
			For 14 Gauge Doors, Add	27.55	
10 51 13 00-0016	EA		12" x 15" x 60" Two Tier Institutional Or Corridor Locker.....	344.72	43.74
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-12.86	
			For >50 To 100, Deduct	-27.04	
			For >100, Deduct	-41.21	
			For 14 Gauge Doors, Add	28.30	
10 51 13 00-0017	EA		12" x 18" x 60" Two Tier Institutional Or Corridor Locker.....	351.56	43.74
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-13.20	
			For >50 To 100, Deduct	-27.72	
			For >100, Deduct	-42.24	
			For 14 Gauge Doors, Add	29.05	
10 51 13 00-0018	EA		12" x 12" x 72" Two Tier Institutional Or Corridor Locker.....	353.14	45.11
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-13.15	
			For >50 To 100, Deduct	-27.65	
			For >100, Deduct	-42.14	
			For 14 Gauge Doors, Add	28.92	
10 51 13 00-0019	EA		12" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	367.96	45.11
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-13.89	
			For >50 To 100, Deduct	-29.13	
			For >100, Deduct	-44.37	
			For 14 Gauge Doors, Add	30.55	
10 51 13 00-0020	EA		12" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	376.90	45.11
			For 16 Gauge Bottom, Add Per Frame	11.60	
			For >25 To 50, Deduct	-14.33	
			For >50 To 100, Deduct	-30.02	
			For >100, Deduct	-45.71	
			For 14 Gauge Doors, Add	31.53	
10 51 13 00-0021	EA		15" x 15" x 72" Two Tier Institutional Or Corridor Locker.....	389.72	45.11
			For 16 Gauge Bottom, Add Per Frame	13.30	
			For >25 To 50, Deduct	-14.98	
			For >50 To 100, Deduct	-31.30	
			For >100, Deduct	-47.63	
			For 14 Gauge Doors, Add	32.95	
10 51 13 00-0022	EA		15" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	402.60	45.11
			For 16 Gauge Bottom, Add Per Frame	13.30	
			For >25 To 50, Deduct	-15.62	
			For >50 To 100, Deduct	-32.59	
			For >100, Deduct	-49.56	
			For 14 Gauge Doors, Add	34.36	
10 51 13 00-0023	EA		18" x 18" x 72" Two Tier Institutional Or Corridor Locker.....	460.86	45.11
			For 16 Gauge Bottom, Add Per Frame	16.20	
			For >25 To 50, Deduct	-18.53	
			For >50 To 100, Deduct	-38.42	
			For >100, Deduct	-58.30	
			For 14 Gauge Doors, Add	40.77	
10 51 13 00-0024	EA		18" x 21" x 72" Two Tier Institutional Or Corridor Locker.....	471.44	45.11
			For 16 Gauge Bottom, Add Per Frame	16.20	
			For >25 To 50, Deduct	-19.06	
			For >50 To 100, Deduct	-39.48	
			For >100, Deduct	-59.89	
			For 14 Gauge Doors, Add	41.93	



## 10 Specialties

## 10 50 Storage Specialties

## 10 51 Lockers

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0025			<b>Three Tier Institutional Or Corridor Locker</b> (10 51 13 00-0001) Note: Includes one double hook per tier.		
10 51 13 00-0026	EA		12" x 12" x 72" Three Tier Institutional Or Corridor Locker .....	395.21	46.47
			For 16 Gauge Bottom, Add Per Frame .....	17.40	
			For >25 To 50, Deduct .....	-15.11	
			For >50 To 100, Deduct .....	-31.62	
			For >100, Deduct .....	-48.13	
			For 14 Gauge Doors, Add .....	45.34	
10 51 13 00-0027	EA		12" x 15" x 72" Three Tier Institutional Or Corridor Locker .....	402.17	46.47
			For 16 Gauge Bottom, Add Per Frame .....	17.40	
			For >25 To 50, Deduct .....	-15.46	
			For >50 To 100, Deduct .....	-32.32	
			For >100, Deduct .....	-49.17	
			For 14 Gauge Doors, Add .....	46.38	
10 51 13 00-0028	EA		12" x 18" x 72" Three Tier Institutional Or Corridor Locker .....	426.90	46.47
			For 16 Gauge Bottom, Add Per Frame .....	17.40	
			For >25 To 50, Deduct .....	-16.70	
			For >50 To 100, Deduct .....	-34.79	
			For >100, Deduct .....	-52.88	
			For 14 Gauge Doors, Add .....	50.09	
10 51 13 00-0029	EA		15" x 15" x 72" Three Tier Institutional Or Corridor Locker .....	450.59	46.47
			For 16 Gauge Bottom, Add Per Frame .....	19.95	
			For >25 To 50, Deduct .....	-17.88	
			For >50 To 100, Deduct .....	-37.16	
			For >100, Deduct .....	-56.43	
			For 14 Gauge Doors, Add .....	53.65	
10 51 13 00-0030	EA		15" x 18" x 72" Three Tier Institutional Or Corridor Locker .....	469.45	46.47
			For 16 Gauge Bottom, Add Per Frame .....	19.95	
			For >25 To 50, Deduct .....	-18.83	
			For >50 To 100, Deduct .....	-39.04	
			For >100, Deduct .....	-59.26	
			For 14 Gauge Doors, Add .....	56.48	
10 51 13 00-0031			<b>Four Tier Institutional Or Corridor Locker</b> (10 51 13 00-0001)		
10 51 13 00-0032	EA		12" x 12" x 72" Four Tier Institutional Or Corridor Locker .....	388.64	47.84
			For 16 Gauge Bottom, Add Per Frame .....	23.20	
			For >25 To 50, Deduct .....	-14.65	
			For >50 To 100, Deduct .....	-30.73	
			For >100, Deduct .....	-46.81	
10 51 13 00-0033	EA		12" x 15" x 72" Four Tier Institutional Or Corridor Locker .....	400.78	47.84
			For 16 Gauge Bottom, Add Per Frame .....	23.20	
			For >25 To 50, Deduct .....	-15.26	
			For >50 To 100, Deduct .....	-31.95	
			For >100, Deduct .....	-48.64	
10 51 13 00-0034	EA		12" x 18" x 72" Four Tier Institutional Or Corridor Locker .....	420.32	47.84
			For 16 Gauge Bottom, Add Per Frame .....	23.20	
			For >25 To 50, Deduct .....	-16.23	
			For >50 To 100, Deduct .....	-33.90	
			For >100, Deduct .....	-51.57	
10 51 13 00-0035	EA		15" x 15" x 72" Four Tier Institutional Or Corridor Locker .....	435.95	47.84
			For 16 Gauge Bottom, Add Per Frame .....	26.60	
			For >25 To 50, Deduct .....	-17.01	
			For >50 To 100, Deduct .....	-35.46	
			For >100, Deduct .....	-53.91	
10 51 13 00-0036	EA		15" x 18" x 72" Four Tier Institutional Or Corridor Locker .....	458.46	47.84
			For 16 Gauge Bottom, Add Per Frame .....	26.60	
			For >25 To 50, Deduct .....	-18.14	
			For >50 To 100, Deduct .....	-37.71	
			For >100, Deduct .....	-57.29	
10 51 13 00-0037			<b>Six Tier Institutional Or Corridor Locker</b> (10 51 13 00-0001)		
10 51 13 00-0038	EA		12" x 12" x 72" Six Tier Institutional Or Corridor Locker .....	421.92	49.21
			For 16 Gauge Bottom, Add Per Frame .....	34.80	
			For >25 To 50, Deduct .....	-16.18	
			For >50 To 100, Deduct .....	-33.83	
			For >100, Deduct .....	-51.48	
10 51 13 00-0039	EA		12" x 15" x 72" Six Tier Institutional Or Corridor Locker .....	431.28	49.21
			For 16 Gauge Bottom, Add Per Frame .....	34.80	
			For >25 To 50, Deduct .....	-16.64	
			For >50 To 100, Deduct .....	-34.76	
			For >100, Deduct .....	-52.88	
10 51 13 00-0040	EA		12" x 18" x 72" Six Tier Institutional Or Corridor Locker .....	448.96	49.21
			For 16 Gauge Bottom, Add Per Frame .....	34.80	
			For >25 To 50, Deduct .....	-17.53	
			For >50 To 100, Deduct .....	-36.53	
			For >100, Deduct .....	-55.53	
10 51 13 00-0041			<b>Locker And Coat Rack Combination</b> (10 51 13 00-0001)		
10 51 13 00-0042	EA		45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination .....	761.84	32.80
10 51 13 00-0043	EA		72" x 18" x 78", 16 Person Locker And Coat Rack Combination .....	1,223.24	68.34
10 51 13 00-0044			<b>All-Welded Steel Lockers</b> (10 51 13)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 51 13 00-0045 All-Welded Steel Lockers** (10 51 13 00-0044)  
 Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.

**10 51 13 00-0046 Single Tier, All-Welded Steel Lockers** (10 51 13 00-0045)  
 Note: Includes one hat shelf, two single hooks and one double hook.

10 51 13 00-0047	EA		12" x 12" x 48" Single Tier, All-Welded Steel Locker .....	177.16	23.92
			For >25 To 50, Deduct	-7.15	
			For >50 To 100, Deduct	-14.81	
			For >100, Deduct	-22.47	
10 51 13 00-0048	EA		12" x 15" x 48" Single Tier, All-Welded Steel Locker .....	185.60	23.92
			For >25 To 50, Deduct	-7.57	
			For >50 To 100, Deduct	-15.66	
			For >100, Deduct	-23.74	
10 51 13 00-0049	EA		12" x 18" x 48" Single Tier, All-Welded Steel Locker .....	193.72	23.92
			For >25 To 50, Deduct	-7.98	
			For >50 To 100, Deduct	-16.47	
			For >100, Deduct	-24.96	
10 51 13 00-0050	EA		12" x 12" x 60" Single Tier, All-Welded Steel Locker .....	184.13	23.92
			For >25 To 50, Deduct	-7.50	
			For >50 To 100, Deduct	-15.51	
			For >100, Deduct	-23.52	
10 51 13 00-0051	EA		12" x 15" x 60" Single Tier, All-Welded Steel Locker .....	192.25	23.92
			For >25 To 50, Deduct	-7.90	
			For >50 To 100, Deduct	-16.32	
			For >100, Deduct	-24.74	
10 51 13 00-0052	EA		12" x 18" x 60" Single Tier, All-Welded Steel Locker .....	200.38	23.92
			For >25 To 50, Deduct	-8.31	
			For >50 To 100, Deduct	-17.13	
			For >100, Deduct	-25.96	
10 51 13 00-0053	EA		12" x 12" x 72" Single Tier, All-Welded Steel Locker .....	195.06	26.31
			For >25 To 50, Deduct	-7.87	
			For >50 To 100, Deduct	-16.31	
			For >100, Deduct	-24.75	
10 51 13 00-0054	EA		12" x 15" x 72" Single Tier, All-Welded Steel Locker .....	202.58	26.31
			For >25 To 50, Deduct	-8.25	
			For >50 To 100, Deduct	-17.06	
			For >100, Deduct	-25.88	
10 51 13 00-0055	EA		12" x 18" x 72" Single Tier, All-Welded Steel Locker .....	210.71	26.31
			For >25 To 50, Deduct	-8.66	
			For >50 To 100, Deduct	-17.88	
			For >100, Deduct	-27.10	
10 51 13 00-0056	EA		15" x 15" x 72" Single Tier, All-Welded Steel Locker .....	218.31	26.31
			For >25 To 50, Deduct	-9.04	
			For >50 To 100, Deduct	-18.64	
			For >100, Deduct	-28.24	
10 51 13 00-0057	EA		15" x 18" x 72" Single Tier, All-Welded Steel Locker .....	224.57	26.31
			For >25 To 50, Deduct	-9.35	
			For >50 To 100, Deduct	-19.26	
			For >100, Deduct	-29.17	
10 51 13 00-0058	EA		18" x 18" x 72" Single Tier, All-Welded Steel Locker .....	233.20	26.31
			For >25 To 50, Deduct	-9.78	
			For >50 To 100, Deduct	-20.12	
			For >100, Deduct	-30.47	
10 51 13 00-0059	EA		18" x 21" x 72" Single Tier, All-Welded Steel Locker .....	242.92	26.31
			For >25 To 50, Deduct	-10.27	
			For >50 To 100, Deduct	-21.10	
			For >100, Deduct	-31.93	
10 51 13 00-0060	EA		24" x 24" x 72" Single Tier, All-Welded Steel Locker .....	389.25	26.31
			For >25 To 50, Deduct	-17.58	
			For >50 To 100, Deduct	-35.73	
			For >100, Deduct	-53.88	

**10 51 13 00-0061 Two Tier, All-Welded Steel Lockers** (10 51 13 00-0045)  
 Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0062	EA		12" x 12" x 60" Two Tier, All-Welded Steel Locker .....	210.47	23.92
			For >25 To 50, Deduct	-8.82	
			For >50 To 100, Deduct	-18.14	
			For >100, Deduct	-27.47	
10 51 13 00-0063	EA		12" x 15" x 60" Two Tier, All-Welded Steel Locker .....	214.20	23.92
			For >25 To 50, Deduct	-9.00	
			For >50 To 100, Deduct	-18.52	
			For >100, Deduct	-28.03	
10 51 13 00-0064	EA		12" x 18" x 60" Two Tier, All-Welded Steel Locker .....	224.21	23.92
			For >25 To 50, Deduct	-9.50	
			For >50 To 100, Deduct	-19.52	
			For >100, Deduct	-29.53	
10 51 13 00-0065	EA		12" x 12" x 72" Two Tier, All-Welded Steel Locker .....	220.11	26.31
			For >25 To 50, Deduct	-9.13	
			For >50 To 100, Deduct	-18.82	
			For >100, Deduct	-28.51	
10 51 13 00-0066	EA		12" x 15" x 72" Two Tier, All-Welded Steel Locker .....	233.91	26.31
			For >25 To 50, Deduct	-9.82	
			For >50 To 100, Deduct	-20.20	
			For >100, Deduct	-30.58	

**10 Specialties**

**10 50 Storage Specialties**

**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0067	EA		12" x 18" x 72" Two Tier, All-Welded Steel Locker .....	241.43	26.31
			<i>For &gt;25 To 50, Deduct</i>	-10.19	
			<i>For &gt;50 To 100, Deduct</i>	-20.95	
			<i>For &gt;100, Deduct</i>	-31.70	
10 51 13 00-0068	EA		15" x 15" x 72" Two Tier, All-Welded Steel Locker .....	252.15	26.31
			<i>For &gt;25 To 50, Deduct</i>	-10.73	
			<i>For &gt;50 To 100, Deduct</i>	-22.02	
			<i>For &gt;100, Deduct</i>	-33.31	
10 51 13 00-0069	EA		15" x 18" x 72" Two Tier, All-Welded Steel Locker .....	257.19	26.31
			<i>For &gt;25 To 50, Deduct</i>	-10.98	
			<i>For &gt;50 To 100, Deduct</i>	-22.52	
			<i>For &gt;100, Deduct</i>	-34.07	
10 51 13 00-0070	EA		18" x 18" x 72" Two Tier, All-Welded Steel Locker .....	271.73	26.31
			<i>For &gt;25 To 50, Deduct</i>	-11.71	
			<i>For &gt;50 To 100, Deduct</i>	-23.98	
			<i>For &gt;100, Deduct</i>	-36.25	
10 51 13 00-0071	EA		18" x 21" x 72" Two Tier, All-Welded Steel Locker .....	283.00	26.31
			<i>For &gt;25 To 50, Deduct</i>	-12.27	
			<i>For &gt;50 To 100, Deduct</i>	-25.10	
			<i>For &gt;100, Deduct</i>	-37.94	
<b>10 51 13 00-0072</b>			<b>Three Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0045)</small>		
			Note: Includes two single hooks and one double hook per tier.		
10 51 13 00-0073	EA		12" x 12" x 72" Three Tier, All-Welded Steel Locker .....	258.97	26.31
			<i>For &gt;25 To 50, Deduct</i>	-11.07	
			<i>For &gt;50 To 100, Deduct</i>	-22.70	
			<i>For &gt;100, Deduct</i>	-34.33	
10 51 13 00-0074	EA		12" x 15" x 72" Three Tier, All-Welded Steel Locker .....	264.63	26.31
			<i>For &gt;25 To 50, Deduct</i>	-11.35	
			<i>For &gt;50 To 100, Deduct</i>	-23.27	
			<i>For &gt;100, Deduct</i>	-35.18	
10 51 13 00-0075	EA		12" x 18" x 72" Three Tier, All-Welded Steel Locker .....	270.24	26.31
			<i>For &gt;25 To 50, Deduct</i>	-11.63	
			<i>For &gt;50 To 100, Deduct</i>	-23.83	
			<i>For &gt;100, Deduct</i>	-36.03	
10 51 13 00-0076	EA		15" x 15" x 72" Three Tier, All-Welded Steel Locker .....	283.53	26.31
			<i>For &gt;25 To 50, Deduct</i>	-12.30	
			<i>For &gt;50 To 100, Deduct</i>	-25.16	
			<i>For &gt;100, Deduct</i>	-38.02	
10 51 13 00-0077	EA		15" x 18" x 72" Three Tier, All-Welded Steel Locker .....	285.99	26.31
			<i>For &gt;25 To 50, Deduct</i>	-12.42	
			<i>For &gt;50 To 100, Deduct</i>	-25.40	
			<i>For &gt;100, Deduct</i>	-38.39	
<b>10 51 13 00-0078</b>			<b>Four Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0045)</small>		
10 51 13 00-0079	EA		12" x 12" x 72" Four Tier, All-Welded Steel Locker .....	245.57	26.31
			<i>For &gt;25 To 50, Deduct</i>	-10.40	
			<i>For &gt;50 To 100, Deduct</i>	-21.36	
			<i>For &gt;100, Deduct</i>	-32.32	
10 51 13 00-0080	EA		12" x 15" x 72" Four Tier, All-Welded Steel Locker .....	250.90	26.31
			<i>For &gt;25 To 50, Deduct</i>	-10.67	
			<i>For &gt;50 To 100, Deduct</i>	-21.89	
			<i>For &gt;100, Deduct</i>	-33.12	
10 51 13 00-0081	EA		12" x 18" x 72" Four Tier, All-Welded Steel Locker .....	256.21	26.31
			<i>For &gt;25 To 50, Deduct</i>	-10.93	
			<i>For &gt;50 To 100, Deduct</i>	-22.43	
			<i>For &gt;100, Deduct</i>	-33.92	
10 51 13 00-0082	EA		15" x 15" x 72" Four Tier, All-Welded Steel Locker .....	268.71	26.31
			<i>For &gt;25 To 50, Deduct</i>	-11.56	
			<i>For &gt;50 To 100, Deduct</i>	-23.68	
			<i>For &gt;100, Deduct</i>	-35.80	
10 51 13 00-0083	EA		15" x 18" x 72" Four Tier, All-Welded Steel Locker .....	270.99	26.31
			<i>For &gt;25 To 50, Deduct</i>	-11.67	
			<i>For &gt;50 To 100, Deduct</i>	-23.90	
			<i>For &gt;100, Deduct</i>	-36.14	
<b>10 51 13 00-0084</b>			<b>Six Tier, All-Welded Steel Lockers</b> <small>(10 51 13 00-0045)</small>		
10 51 13 00-0085	EA		12" x 12" x 72" Six Tier, All-Welded Steel Locker .....	253.87	26.31
			<i>For &gt;25 To 50, Deduct</i>	-10.81	
			<i>For &gt;50 To 100, Deduct</i>	-22.19	
			<i>For &gt;100, Deduct</i>	-33.57	
10 51 13 00-0086	EA		12" x 15" x 72" Six Tier, All-Welded Steel Locker .....	261.66	26.31
			<i>For &gt;25 To 50, Deduct</i>	-11.20	
			<i>For &gt;50 To 100, Deduct</i>	-22.97	
			<i>For &gt;100, Deduct</i>	-34.74	
10 51 13 00-0087	EA		12" x 18" x 72" Six Tier, All-Welded Steel Locker .....	267.39	26.31
			<i>For &gt;25 To 50, Deduct</i>	-11.49	
			<i>For &gt;50 To 100, Deduct</i>	-23.54	
			<i>For &gt;100, Deduct</i>	-35.60	
<b>10 51 13 00-0088</b>			<b>All Welded Locker Accessories</b> <small>(10 51 13 00-0044)</small>		
10 51 13 00-0089	EA		ADA Requirements For All Welded Lockers .....	130.67	
10 51 13 00-0090	EA		Solid Boxed End Panel For 12" Deep All Welded Lockers .....	212.55	5.46
10 51 13 00-0091	EA		Solid Boxed End Panel For 15" Deep All Welded Lockers .....	246.15	5.46
10 51 13 00-0092	EA		Recessed Trim For All Welded Lockers .....	150.32	5.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0093	EA		Built In Combination Lock For All Welded Lockers.....	46.98	5.46
10 51 13 00-0094	EA		Pad Lock For All Welded Lockers.....	42.05	5.46
<b>10 51 13 00-0095</b>			<b>Athletic Lockers</b> <small>(10 51 13)</small>		
			Note: Price per frame. Powder coated enamel paint. 16 gauge tops, bottoms, and sides. 18 gauge backs. 14 gauge vented doors. Excludes slope top, base fillers, and locks.		
<b>10 51 13 00-0096</b>			<b>Single Tier Athletic Locker</b> <small>(10 51 13 00-0095)</small>		
			Note: Includes one hat shelf, three single hooks and one double hook.		
10 51 13 00-0097	EA		12" x 15" x 72" Single Tier Athletic Locker.....	441.21	43.74
			For >25 To 50, Deduct	-17.69	
			For >50 To 100, Deduct	-36.69	
			For >100, Deduct	-55.69	
10 51 13 00-0098	EA		12" x 18" x 72" Single Tier Athletic Locker.....	466.92	43.74
			For >25 To 50, Deduct	-18.97	
			For >50 To 100, Deduct	-39.26	
			For >100, Deduct	-59.54	
10 51 13 00-0099	EA		15" x 15" x 72" Single Tier Athletic Locker.....	475.95	43.74
			For >25 To 50, Deduct	-19.42	
			For >50 To 100, Deduct	-40.16	
			For >100, Deduct	-60.90	
10 51 13 00-0100	EA		15" x 18" x 72" Single Tier Athletic Locker.....	492.45	43.74
			For >25 To 50, Deduct	-20.25	
			For >50 To 100, Deduct	-41.81	
			For >100, Deduct	-63.37	
10 51 13 00-0101	EA		18" x 18" x 72" Single Tier Athletic Locker.....	533.14	43.74
			For >25 To 50, Deduct	-22.28	
			For >50 To 100, Deduct	-45.88	
			For >100, Deduct	-69.47	
10 51 13 00-0102	EA		18" x 21" x 72" Single Tier Athletic Locker.....	575.78	43.74
			For >25 To 50, Deduct	-24.42	
			For >50 To 100, Deduct	-50.14	
			For >100, Deduct	-75.87	
<b>10 51 13 00-0103</b>			<b>Two Tier Athletic Locker</b> <small>(10 51 13 00-0095)</small>		
			Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0104	EA		12" x 12" x 72" Two Tier Athletic Locker.....	492.22	45.11
			For >25 To 50, Deduct	-20.10	
			For >50 To 100, Deduct	-41.55	
			For >100, Deduct	-63.01	
10 51 13 00-0105	EA		12" x 15" x 72" Two Tier Athletic Locker.....	507.78	45.11
			For >25 To 50, Deduct	-20.88	
			For >50 To 100, Deduct	-43.11	
			For >100, Deduct	-65.34	
10 51 13 00-0106	EA		12" x 18" x 72" Two Tier Athletic Locker.....	528.99	45.11
			For >25 To 50, Deduct	-21.94	
			For >50 To 100, Deduct	-45.23	
			For >100, Deduct	-68.52	
10 51 13 00-0107	EA		15" x 15" x 72" Two Tier Athletic Locker.....	532.20	45.11
			For >25 To 50, Deduct	-22.10	
			For >50 To 100, Deduct	-45.55	
			For >100, Deduct	-69.00	
10 51 13 00-0108	EA		15" x 18" x 72" Two Tier Athletic Locker.....	549.63	45.11
			For >25 To 50, Deduct	-22.97	
			For >50 To 100, Deduct	-47.29	
			For >100, Deduct	-71.62	
10 51 13 00-0109	EA		18" x 18" x 72" Two Tier Athletic Locker.....	571.04	45.11
			For >25 To 50, Deduct	-24.04	
			For >50 To 100, Deduct	-49.44	
			For >100, Deduct	-74.83	
10 51 13 00-0110	EA		18" x 21" x 72" Two Tier Athletic Locker.....	619.10	45.11
			For >25 To 50, Deduct	-26.44	
			For >50 To 100, Deduct	-54.24	
			For >100, Deduct	-82.04	
<b>10 51 13 00-0111</b>			<b>Three Tier Athletic Locker</b> <small>(10 51 13 00-0095)</small>		
			Note: Includes one double hook per tier.		
10 51 13 00-0112	EA		12" x 12" x 72" Three Tier Athletic Locker.....	543.14	46.47
			For >25 To 50, Deduct	-22.51	
			For >50 To 100, Deduct	-46.41	
			For >100, Deduct	-70.32	
10 51 13 00-0113	EA		12" x 15" x 72" Three Tier Athletic Locker.....	565.37	46.47
			For >25 To 50, Deduct	-23.62	
			For >50 To 100, Deduct	-48.64	
			For >100, Deduct	-73.65	
10 51 13 00-0114	EA		12" x 18" x 72" Three Tier Athletic Locker.....	596.05	46.47
			For >25 To 50, Deduct	-25.16	
			For >50 To 100, Deduct	-51.70	
			For >100, Deduct	-78.25	
10 51 13 00-0115	EA		15" x 15" x 72" Three Tier Athletic Locker.....	611.75	46.47
			For >25 To 50, Deduct	-25.94	
			For >50 To 100, Deduct	-53.27	
			For >100, Deduct	-80.61	
10 51 13 00-0116	EA		15" x 18" x 72" Three Tier Athletic Locker.....	635.31	46.47
			For >25 To 50, Deduct	-27.12	
			For >50 To 100, Deduct	-55.63	
			For >100, Deduct	-84.14	

**10 Specialties****10 50 Storage Specialties****10 51 Lockers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0117			<b>Four Tier Athletic Locker</b> (10 51 13 00-0095)		
10 51 13 00-0118	EA		12" x 12" x 72" Four Tier Athletic Locker .....	506.51	47.84
			For >25 To 50, Deduct .....	-20.54	
			For >50 To 100, Deduct .....	-42.52	
			For >100, Deduct .....	-64.49	
10 51 13 00-0119	EA		12" x 15" x 72" Four Tier Athletic Locker .....	537.09	47.84
			For >25 To 50, Deduct .....	-22.07	
			For >50 To 100, Deduct .....	-45.58	
			For >100, Deduct .....	-69.08	
10 51 13 00-0120	EA		12" x 18" x 72" Four Tier Athletic Locker .....	567.67	47.84
			For >25 To 50, Deduct .....	-23.60	
			For >50 To 100, Deduct .....	-48.63	
			For >100, Deduct .....	-73.67	
10 51 13 00-0121	EA		15" x 15" x 72" Four Tier Athletic Locker .....	583.33	47.84
			For >25 To 50, Deduct .....	-24.38	
			For >50 To 100, Deduct .....	-50.20	
			For >100, Deduct .....	-76.02	
10 51 13 00-0122	EA		15" x 18" x 72" Four Tier Athletic Locker .....	595.08	47.84
			For >25 To 50, Deduct .....	-24.97	
			For >50 To 100, Deduct .....	-51.38	
			For >100, Deduct .....	-77.78	
10 51 13 00-0123			<b>Six Tier Athletic Locker</b> (10 51 13 00-0095)		
10 51 13 00-0124	EA		12" x 12" x 72" Six Tier Athletic Locker .....	560.67	49.21
			For >25 To 50, Deduct .....	-23.11	
			For >50 To 100, Deduct .....	-47.70	
			For >100, Deduct .....	-72.29	
10 51 13 00-0125	EA		12" x 15" x 72" Six Tier Athletic Locker .....	584.17	49.21
			For >25 To 50, Deduct .....	-24.29	
			For >50 To 100, Deduct .....	-50.05	
			For >100, Deduct .....	-75.82	
10 51 13 00-0126	EA		12" x 18" x 72" Six Tier Athletic Locker .....	607.62	49.21
			For >25 To 50, Deduct .....	-25.46	
			For >50 To 100, Deduct .....	-52.40	
			For >100, Deduct .....	-79.33	
10 51 13 00-0127	EA		12" x 21" x 72" Six Tier Athletic Locker .....	693.21	49.21
			For >25 To 50, Deduct .....	-29.74	
			For >50 To 100, Deduct .....	-60.96	
			For >100, Deduct .....	-92.17	
10 51 13 00-0128			<b>Accessories</b> (10 51 13)		
10 51 13 00-0129			<b>Locker Slope Tops</b> (10 51 13 00-0128)		
10 51 13 00-0130			<b>16 Gauge Continuous Sloping Hood</b> (10 51 13 00-0129)		
10 51 13 00-0131	LF		12" Deep, 16 Gauge Continuous Slope Top .....	35.99	5.46
10 51 13 00-0132	LF		15" Deep, 16 Gauge Continuous Slope Top .....	30.64	5.46
10 51 13 00-0133	LF		18" Deep, 16 Gauge Continuous Slope Top .....	41.47	5.46
10 51 13 00-0134	LF		21" Deep, 16 Gauge Continuous Slope Top .....	45.63	5.46
10 51 13 00-0135	LF		24" Deep, 16 Gauge Continuous Slope Top .....	47.58	5.46
10 51 13 00-0136			<b>16 Gauge Slope Top Corner Fillers</b> (10 51 13 00-0129)		
10 51 13 00-0137	EA		12" Deep, 16 Gauge Slope Top Corner Fillers .....	143.41	5.46
10 51 13 00-0138	EA		15" Deep, 16 Gauge Slope Top Corner Fillers .....	146.44	5.46
10 51 13 00-0139	EA		18" Deep, 16 Gauge Slope Top Corner Fillers .....	149.46	5.46
10 51 13 00-0140	EA		21" Deep, 16 Gauge Slope Top Corner Fillers .....	153.12	5.46
10 51 13 00-0141	EA		24" Deep, 16 Gauge Slope Top Corner Fillers .....	156.75	5.46
10 51 13 00-0142			<b>20 Gauge Individual Slope Top</b> (10 51 13 00-0129)		
10 51 13 00-0143	EA		12" Wide x 12" Deep 20 Gauge Individual Slope Top .....	31.17	5.46
10 51 13 00-0144	EA		12" Wide x 15" Deep 20 Gauge Individual Slope Top .....	30.97	5.46
10 51 13 00-0145	EA		12" Wide x 18" Deep 20 Gauge Individual Slope Top .....	34.26	5.46
10 51 13 00-0146	EA		15" Wide x 15" Deep 20 Gauge Individual Slope Top .....	34.26	5.46
10 51 13 00-0147	EA		15" Wide x 18" Deep 20 Gauge Individual Slope Top .....	35.05	5.46
10 51 13 00-0148	EA		15" Wide x 21" Deep 20 Gauge Individual Slope Top .....	38.16	5.46
10 51 13 00-0149	EA		18" Wide x 18" Deep 20 Gauge Individual Slope Top .....	38.16	5.46
10 51 13 00-0150	EA		18" Wide x 21" Deep 20 Gauge Individual Slope Top .....	42.26	5.46
10 51 13 00-0151	EA		18" Wide x 24" Deep 20 Gauge Individual Slope Top .....	47.13	5.46
10 51 13 00-0152			<b>Continuous Slope Top End Closures</b> (10 51 13 00-0129)		
10 51 13 00-0153	PR		12" Deep, Continuous Slope Top End Closures .....	33.11	5.46
10 51 13 00-0154	PR		15" Deep, Continuous Slope Top End Closures .....	28.41	5.46
10 51 13 00-0155	PR		18" Deep, Continuous Slope Top End Closures .....	36.99	5.46
10 51 13 00-0156	PR		21" Deep, Continuous Slope Top End Closures .....	38.95	5.46
10 51 13 00-0157	PR		24" Deep, Continuous Slope Top End Closures .....	40.28	5.46
10 51 13 00-0158			<b>Individual Slope Top End Closures</b> (10 51 13 00-0129)		
10 51 13 00-0159	EA		12" Deep, Individual Slope Top End Closures .....	22.02	5.46
10 51 13 00-0160	EA		15" Deep, Individual Slope Top End Closures .....	22.63	5.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0161	EA		18" Deep, Individual Slope Top End Closures.....	23.98	5.46
10 51 13 00-0162	EA		21" Deep, Individual Slope Top End Closures.....	24.92	5.46
10 51 13 00-0163	EA		24" Deep, Individual Slope Top End Closures.....	34.52	5.46
<b>10 51 13 00-0164</b>			<b>Locker Base (10 51 13 00-0128)</b>		
<b>10 51 13 00-0165</b>			<b>Closed Front Base (10 51 13 00-0164)</b>		
10 51 13 00-0166	EA		12" Wide, 6" High Closed Front Base.....	23.06	5.46
10 51 13 00-0167	EA		15" Wide, 6" High Closed Front Base.....	24.08	5.46
10 51 13 00-0168	EA		18" Wide, 6" High Closed Front Base.....	26.20	5.46
10 51 13 00-0169	EA		24" Wide, 6" High Closed Front Base.....	27.21	5.46
<b>10 51 13 00-0170</b>			<b>Closed End Base (10 51 13 00-0164)</b>		
10 51 13 00-0171	EA		12" Deep, 6" High Closed End Base.....	25.88	5.46
10 51 13 00-0172	EA		15" Deep, 6" High Closed End Base.....	26.06	5.46
10 51 13 00-0173	EA		18" Deep, 6" High Closed End Base.....	27.43	5.46
10 51 13 00-0174	EA		21" Deep, 6" High Closed End Base.....	28.78	5.46
10 51 13 00-0175	EA		24" Deep, 6" High Closed End Base.....	30.62	5.46
<b>10 51 13 00-0176</b>			<b>Recessed Continuous Front "Z" Base (10 51 13 00-0164)</b>		
10 51 13 00-0177	LF		4" High Recessed Continuous Front "Z" Base.....	26.65	4.10
<b>10 51 13 00-0178</b>			<b>"Z" Base Ends Or Splice (10 51 13 00-0164)</b>		
10 51 13 00-0179	EA		12" Wide, 4" High Z-Base Ends Or Splice.....	26.98	5.46
10 51 13 00-0180	EA		15" Wide, 4" High Z-Base Ends Or Splice.....	30.97	5.46
10 51 13 00-0181	EA		18" Wide, 4" High Z-Base Ends Or Splice.....	35.05	5.46
10 51 13 00-0182	EA		21" Wide, 4" High Z-Base Ends Or Splice.....	39.34	5.46
10 51 13 00-0183	EA		24" Wide, 4" High Z-Base Ends Or Splice.....	43.61	5.46
<b>10 51 13 00-0184</b>			<b>Locker Front Fillers And End Panels (10 51 13 00-0128)</b>		
<b>10 51 13 00-0185</b>			<b>Locker Front Fillers (10 51 13 00-0184)</b>		
10 51 13 00-0186	EA		6" Wide x 60" High, 16 Gauge Front Filler.....	43.44	6.83
10 51 13 00-0187	EA		12" Wide x 60" High, 16 Gauge Front Filler.....	65.92	6.83
10 51 13 00-0188	EA		6" Wide x 66" High, 16 Gauge Front Filler.....	47.10	6.83
10 51 13 00-0189	EA		12" Wide x 66" High, 16 Gauge Front Filler.....	52.66	6.83
10 51 13 00-0190	EA		6" Wide x 72" High, 16 Gauge Front Filler.....	51.35	6.83
10 51 13 00-0191	EA		12" Wide x 72" High, 16 Gauge Front Filler.....	71.99	6.83
10 51 13 00-0192	EA		6" Wide x 78" High, 16 Gauge Front Filler.....	52.53	6.83
10 51 13 00-0193	EA		12" Wide x 78" High, 16 Gauge Front Filler.....	60.87	6.83
<b>10 51 13 00-0194</b>			<b>Locker End Panels (10 51 13 00-0184)</b>		
10 51 13 00-0195	EA		12" Deep x 60" High, 16 Gauge End Panel.....	65.78	5.46
10 51 13 00-0196	EA		15" Deep x 60" High, 16 Gauge End Panel.....	74.39	5.46
10 51 13 00-0197	EA		18" Deep x 60" High, 16 Gauge End Panel.....	87.95	5.46
10 51 13 00-0198	EA		12" Deep x 72" High, 16 Gauge End Panel.....	77.23	5.46
10 51 13 00-0199	EA		15" Deep x 72" High, 16 Gauge End Panel.....	87.71	5.46
10 51 13 00-0200	EA		18" Deep x 72" High, 16 Gauge End Panel.....	101.65	5.46
10 51 13 00-0201	EA		21" Deep x 72" High, 16 Gauge End Panel.....	116.79	5.46
<b>10 51 13 00-0202</b>			<b>Locker Recessed Trim (10 51 13 00-0128)</b>		
10 51 13 00-0203	LF		3" Height, Top Trim For Recessed Lockers.....	11.98	2.73
10 51 13 00-0204	EA		3" Height, Inside And Outside Top Corner Trim For Recessed Lockers.....	32.48	5.46
10 51 13 00-0205	EA		60" Height, 3" Wide Side Trim For Recessed Lockers.....	48.64	5.46
10 51 13 00-0206	EA		66" Height, 3" Wide Side Trim For Recessed Lockers.....	50.34	5.46
10 51 13 00-0207	EA		72" Height, 3" Wide Side Trim For Recessed Lockers.....	52.05	5.46
10 51 13 00-0208	EA		78" Height, 3" Wide Side Trim For Recessed Lockers.....	53.54	5.46
<b>10 51 13 00-0209</b>			<b>Locker Interior Accessories (10 51 13 00-0209)</b>		
<b>10 51 13 00-0210</b>			<b>Locker Coat Rods (10 51 13 00-0209)</b>		
10 51 13 00-0211	EA		12" Wide Coat Rod.....	18.28	5.46
10 51 13 00-0212	EA		15" Wide Coat Rod.....	19.86	5.46
10 51 13 00-0213	EA		18" Wide Coat Rod.....	21.27	5.46
10 51 13 00-0214	EA		24" Wide Coat Rod.....	22.51	5.46
<b>10 51 13 00-0215</b>			<b>Locker ADA Compliant Shelf (10 51 13 00-0209)</b>		
10 51 13 00-0216	EA		ADA Compliant Shelf For Single Tier Lockers..... Note: Includes an ADA label for locker face.	41.44	6.83
<b>10 51 13 00-0217</b>			<b>Other Interior Locker Accessories (10 51 13 00-0209)</b>		
10 51 13 00-0218	EA		3" x 10" Bent Plate Shoe Rack.....	53.67	5.46
10 51 13 00-0219	EA		8" x 10" Mirror.....	42.99	5.46
10 51 13 00-0220	EA		Additional Hook.....	13.61	5.46



**10 Specialties**  
**10 50 Storage Specialties**  
**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0221			<b>Locker Locks</b> <small>(10 51 13 00-0126)</small>		
10 51 13 00-0222	EA		Built In Combination Lock .....	46.98	5.46
<b>10 51 26</b>			<b>Plastic Lockers</b> <small>(10 51)</small>		
<b>10 51 26 00-0001</b>			<b>Solid Plastic Lockers</b> <small>(10 51 26)</small>		
			Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.		
<b>10 51 26 00-0002</b>			<b>Single Tier Solid Plastic Lockers</b> <small>(10 51 26 00-0001)</small>		
			Note: Includes one double hook per tier.		
10 51 26 00-0003	EA		12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	692.34	42.38
			For >50 To 100, Deduct	-60.76	
			For >100, Deduct	-93.68	
10 51 26 00-0004	EA		12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	704.53	42.38
			For >50 To 100, Deduct	-61.98	
			For >100, Deduct	-95.51	
10 51 26 00-0005	EA		12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	716.72	42.38
			For >50 To 100, Deduct	-63.20	
			For >100, Deduct	-97.34	
10 51 26 00-0006	EA		15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	735.00	42.38
			For >50 To 100, Deduct	-65.03	
			For >100, Deduct	-100.08	
10 51 26 00-0007	EA		15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	715.67	42.38
			For >50 To 100, Deduct	-63.09	
			For >100, Deduct	-97.18	
10 51 26 00-0008	EA		18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	720.80	42.38
			For >50 To 100, Deduct	-63.61	
			For >100, Deduct	-97.95	
10 51 26 00-0009	EA		18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	711.78	42.38
			For >50 To 100, Deduct	-62.70	
			For >100, Deduct	-96.60	
10 51 26 00-0010	EA		18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	762.11	42.38
			For >50 To 100, Deduct	-67.74	
			For >100, Deduct	-104.15	
10 51 26 00-0011	EA		12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	750.50	42.38
			For >50 To 100, Deduct	-66.58	
			For >100, Deduct	-102.41	
10 51 26 00-0012	EA		12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	764.04	42.38
			For >50 To 100, Deduct	-67.93	
			For >100, Deduct	-104.44	
10 51 26 00-0013	EA		12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	777.58	42.38
			For >50 To 100, Deduct	-69.28	
			For >100, Deduct	-106.47	
10 51 26 00-0014	EA		15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	808.56	42.38
			For >50 To 100, Deduct	-72.38	
			For >100, Deduct	-111.12	
10 51 26 00-0015	EA		15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	851.14	42.38
			For >50 To 100, Deduct	-76.64	
			For >100, Deduct	-117.50	
10 51 26 00-0016	EA		18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	812.42	42.38
			For >50 To 100, Deduct	-72.77	
			For >100, Deduct	-111.69	
10 51 26 00-0017	EA		18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	882.09	42.38
			For >50 To 100, Deduct	-79.74	
			For >100, Deduct	-122.14	
10 51 26 00-0018	EA		12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	755.90	42.38
			For >50 To 100, Deduct	-67.12	
			For >100, Deduct	-103.22	
10 51 26 00-0019	EA		12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	795.60	42.38
			For >50 To 100, Deduct	-71.09	
			For >100, Deduct	-109.17	
10 51 26 00-0020	EA		18" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	835.32	42.38
			For >50 To 100, Deduct	-75.06	
			For >100, Deduct	-115.13	
10 51 26 00-0021	EA		15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	806.23	42.38
			For >50 To 100, Deduct	-72.15	
			For >100, Deduct	-110.77	
10 51 26 00-0022	EA		15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	848.31	42.38
			For >50 To 100, Deduct	-76.36	
			For >100, Deduct	-117.08	
10 51 26 00-0023	EA		15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	890.42	42.38
			For >50 To 100, Deduct	-80.57	
			For >100, Deduct	-123.39	
10 51 26 00-0024	EA		18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	856.56	42.38
			For >50 To 100, Deduct	-77.18	
			For >100, Deduct	-118.32	
10 51 26 00-0025	EA		18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	901.05	42.38
			For >50 To 100, Deduct	-81.63	
			For >100, Deduct	-124.99	
10 51 26 00-0026	EA		12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	864.08	43.74
			For >50 To 100, Deduct	-77.66	
			For >100, Deduct	-119.12	
10 51 26 00-0027	EA		12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	908.59	43.74
			For >50 To 100, Deduct	-82.11	
			For >100, Deduct	-125.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0028	EA		12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	953.06	43.74
			For >50 To 100, Deduct	-86.56	
			For >100, Deduct	-132.46	
10 51 26 00-0029	EA		15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	921.85	43.74
			For >50 To 100, Deduct	-83.44	
			For >100, Deduct	-127.78	
10 51 26 00-0030	EA		15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	968.79	43.74
			For >50 To 100, Deduct	-88.13	
			For >100, Deduct	-134.82	
10 51 26 00-0031	EA		15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,015.69	43.74
			For >50 To 100, Deduct	-92.82	
			For >100, Deduct	-141.86	
10 51 26 00-0032	EA		18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	967.89	43.74
			For >50 To 100, Deduct	-88.04	
			For >100, Deduct	-134.69	
10 51 26 00-0033	EA		18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,028.94	43.74
			For >50 To 100, Deduct	-94.15	
			For >100, Deduct	-143.84	
10 51 26 00-0034	EA		18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®).....	1,078.24	43.74
			For >50 To 100, Deduct	-99.08	
			For >100, Deduct	-151.24	
<b>10 51 26 00-0035</b>			<b>Double Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		
			Note: Includes one double hook per tier.		
10 51 26 00-0036	EA		12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	776.45	43.74
			For >50 To 100, Deduct	-68.90	
			For >100, Deduct	-105.97	
10 51 26 00-0037	EA		12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	788.06	43.74
			For >50 To 100, Deduct	-70.06	
			For >100, Deduct	-107.71	
10 51 26 00-0038	EA		12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	805.47	43.74
			For >50 To 100, Deduct	-71.80	
			For >100, Deduct	-110.32	
10 51 26 00-0039	EA		15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	799.68	43.74
			For >50 To 100, Deduct	-71.22	
			For >100, Deduct	-109.46	
10 51 26 00-0040	EA		15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	830.65	43.74
			For >50 To 100, Deduct	-74.32	
			For >100, Deduct	-114.10	
10 51 26 00-0041	EA		15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	904.18	43.74
			For >50 To 100, Deduct	-81.67	
			For >100, Deduct	-125.13	
10 51 26 00-0042	EA		18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	807.43	43.74
			For >50 To 100, Deduct	-72.00	
			For >100, Deduct	-110.62	
10 51 26 00-0043	EA		18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	844.88	43.74
			For >50 To 100, Deduct	-75.74	
			For >100, Deduct	-116.24	
10 51 26 00-0044	EA		18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	911.93	43.74
			For >50 To 100, Deduct	-82.45	
			For >100, Deduct	-126.29	
10 51 26 00-0045	EA		12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	803.09	43.74
			For >50 To 100, Deduct	-71.56	
			For >100, Deduct	-109.97	
10 51 26 00-0046	EA		12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	863.71	43.74
			For >50 To 100, Deduct	-77.62	
			For >100, Deduct	-119.06	
10 51 26 00-0047	EA		12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	881.03	43.74
			For >50 To 100, Deduct	-79.36	
			For >100, Deduct	-121.66	
10 51 26 00-0048	EA		15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	873.84	43.74
			For >50 To 100, Deduct	-78.64	
			For >100, Deduct	-120.58	
10 51 26 00-0049	EA		15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	914.02	43.74
			For >50 To 100, Deduct	-82.66	
			For >100, Deduct	-126.61	
10 51 26 00-0050	EA		18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	921.87	43.74
			For >50 To 100, Deduct	-83.44	
			For >100, Deduct	-127.78	
10 51 26 00-0051	EA		18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	964.35	43.74
			For >50 To 100, Deduct	-87.69	
			For >100, Deduct	-134.16	
10 51 26 00-0052	EA		18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,006.83	43.74
			For >50 To 100, Deduct	-91.94	
			For >100, Deduct	-140.53	
10 51 26 00-0053	EA		12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	929.19	45.11
			For >50 To 100, Deduct	-83.90	
			For >100, Deduct	-128.55	
10 51 26 00-0054	EA		12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	971.67	45.11
			For >50 To 100, Deduct	-88.15	
			For >100, Deduct	-134.93	
10 51 26 00-0055	EA		12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	993.80	45.11
			For >50 To 100, Deduct	-90.36	
			For >100, Deduct	-138.24	
10 51 26 00-0056	EA		15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	984.34	45.11
			For >50 To 100, Deduct	-89.41	
			For >100, Deduct	-136.83	

**10 Specialties**

**10 50 Storage Specialties**

**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0057	EA		15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,029.14	45.11
			<i>For &gt;50 To 100, Deduct</i>	-93.89	
			<i>For &gt;100, Deduct</i>	-143.55	
10 51 26 00-0058	EA		15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,073.92	45.11
			<i>For &gt;50 To 100, Deduct</i>	-98.37	
			<i>For &gt;100, Deduct</i>	-150.26	
10 51 26 00-0059	EA		18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	992.35	45.11
			<i>For &gt;50 To 100, Deduct</i>	-90.21	
			<i>For &gt;100, Deduct</i>	-138.03	
10 51 26 00-0060	EA		18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,086.56	45.11
			<i>For &gt;50 To 100, Deduct</i>	-99.64	
			<i>For &gt;100, Deduct</i>	-152.16	
10 51 26 00-0061	EA		18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®).....	1,133.62	45.11
			<i>For &gt;50 To 100, Deduct</i>	-104.34	
			<i>For &gt;100, Deduct</i>	-159.22	
<b>10 51 26 00-0062 Triple Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
Note: Includes one double hook per tier.					
10 51 26 00-0063	EA		12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	764.67	45.11
			<i>For &gt;50 To 100, Deduct</i>	-67.45	
			<i>For &gt;100, Deduct</i>	-103.88	
10 51 26 00-0064	EA		15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	796.54	45.11
			<i>For &gt;50 To 100, Deduct</i>	-70.63	
			<i>For &gt;100, Deduct</i>	-108.66	
10 51 26 00-0065	EA		15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	825.77	45.11
			<i>For &gt;50 To 100, Deduct</i>	-73.56	
			<i>For &gt;100, Deduct</i>	-113.04	
10 51 26 00-0066	EA		12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	831.43	45.11
			<i>For &gt;50 To 100, Deduct</i>	-74.12	
			<i>For &gt;100, Deduct</i>	-113.89	
10 51 26 00-0067	EA		12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	899.54	45.11
			<i>For &gt;50 To 100, Deduct</i>	-80.93	
			<i>For &gt;100, Deduct</i>	-124.11	
10 51 26 00-0068	EA		12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	899.86	45.11
			<i>For &gt;50 To 100, Deduct</i>	-80.97	
			<i>For &gt;100, Deduct</i>	-124.15	
10 51 26 00-0069	EA		15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	937.02	45.11
			<i>For &gt;50 To 100, Deduct</i>	-84.68	
			<i>For &gt;100, Deduct</i>	-129.73	
10 51 26 00-0070	EA		15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	974.34	45.11
			<i>For &gt;50 To 100, Deduct</i>	-88.41	
			<i>For &gt;100, Deduct</i>	-135.33	
10 51 26 00-0071	EA		15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,011.63	45.11
			<i>For &gt;50 To 100, Deduct</i>	-92.14	
			<i>For &gt;100, Deduct</i>	-140.92	
10 51 26 00-0072	EA		18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	981.64	45.11
			<i>For &gt;50 To 100, Deduct</i>	-89.14	
			<i>For &gt;100, Deduct</i>	-136.42	
10 51 26 00-0073	EA		18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,021.07	45.11
			<i>For &gt;50 To 100, Deduct</i>	-93.09	
			<i>For &gt;100, Deduct</i>	-142.34	
10 51 26 00-0074	EA		18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,060.51	45.11
			<i>For &gt;50 To 100, Deduct</i>	-97.03	
			<i>For &gt;100, Deduct</i>	-148.25	
10 51 26 00-0075	EA		12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	988.61	46.47
			<i>For &gt;50 To 100, Deduct</i>	-89.57	
			<i>For &gt;100, Deduct</i>	-137.14	
10 51 26 00-0076	EA		12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,028.07	46.47
			<i>For &gt;50 To 100, Deduct</i>	-93.51	
			<i>For &gt;100, Deduct</i>	-143.06	
10 51 26 00-0077	EA		12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,055.76	46.47
			<i>For &gt;50 To 100, Deduct</i>	-96.28	
			<i>For &gt;100, Deduct</i>	-147.21	
10 51 26 00-0078	EA		15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,039.82	46.47
			<i>For &gt;50 To 100, Deduct</i>	-94.69	
			<i>For &gt;100, Deduct</i>	-144.82	
10 51 26 00-0079	EA		15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,052.33	46.47
			<i>For &gt;50 To 100, Deduct</i>	-95.94	
			<i>For &gt;100, Deduct</i>	-146.70	
10 51 26 00-0080	EA		15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,097.40	46.47
			<i>For &gt;50 To 100, Deduct</i>	-100.45	
			<i>For &gt;100, Deduct</i>	-153.46	
10 51 26 00-0081	EA		18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,021.91	46.47
			<i>For &gt;50 To 100, Deduct</i>	-92.90	
			<i>For &gt;100, Deduct</i>	-142.13	
10 51 26 00-0082	EA		18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,113.56	46.47
			<i>For &gt;50 To 100, Deduct</i>	-102.06	
			<i>For &gt;100, Deduct</i>	-155.88	
10 51 26 00-0083	EA		18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®).....	1,178.44	46.47
			<i>For &gt;50 To 100, Deduct</i>	-108.55	
			<i>For &gt;100, Deduct</i>	-165.61	
<b>10 51 26 00-0084 Four Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0085	EA		12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®).....	888.37	46.47
			<i>For &gt;50 To 100, Deduct</i>	-79.54	
			<i>For &gt;100, Deduct</i>	-122.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0086	EA		12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	914.23	46.47
			<i>For &gt;50 To 100, Deduct</i>	-82.13	
			<i>For &gt;100, Deduct</i>	-125.98	
10 51 26 00-0087	EA		12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	961.92	46.47
			<i>For &gt;50 To 100, Deduct</i>	-86.90	
			<i>For &gt;100, Deduct</i>	-133.13	
10 51 26 00-0088	EA		15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	956.10	46.47
			<i>For &gt;50 To 100, Deduct</i>	-86.32	
			<i>For &gt;100, Deduct</i>	-132.26	
10 51 26 00-0089	EA		15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,017.89	46.47
			<i>For &gt;50 To 100, Deduct</i>	-92.49	
			<i>For &gt;100, Deduct</i>	-141.53	
10 51 26 00-0090	EA		15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,037.38	46.47
			<i>For &gt;50 To 100, Deduct</i>	-94.44	
			<i>For &gt;100, Deduct</i>	-144.45	
10 51 26 00-0091	EA		18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,027.70	46.47
			<i>For &gt;50 To 100, Deduct</i>	-93.48	
			<i>For &gt;100, Deduct</i>	-143.00	
10 51 26 00-0092	EA		18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,060.61	46.47
			<i>For &gt;50 To 100, Deduct</i>	-96.77	
			<i>For &gt;100, Deduct</i>	-147.94	
10 51 26 00-0093	EA		18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,155.45	46.47
			<i>For &gt;50 To 100, Deduct</i>	-106.25	
			<i>For &gt;100, Deduct</i>	-162.16	
10 51 26 00-0094	EA		12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,022.60	47.84
			<i>For &gt;50 To 100, Deduct</i>	-92.69	
			<i>For &gt;100, Deduct</i>	-141.91	
10 51 26 00-0095	EA		12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,068.47	47.84
			<i>For &gt;50 To 100, Deduct</i>	-97.28	
			<i>For &gt;100, Deduct</i>	-148.79	
10 51 26 00-0096	EA		12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,074.44	47.84
			<i>For &gt;50 To 100, Deduct</i>	-97.88	
			<i>For &gt;100, Deduct</i>	-149.68	
10 51 26 00-0097	EA		15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,132.24	47.84
			<i>For &gt;50 To 100, Deduct</i>	-103.66	
			<i>For &gt;100, Deduct</i>	-158.35	
10 51 26 00-0098	EA		15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,078.76	47.84
			<i>For &gt;50 To 100, Deduct</i>	-98.31	
			<i>For &gt;100, Deduct</i>	-150.33	
10 51 26 00-0099	EA		15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,127.21	47.84
			<i>For &gt;50 To 100, Deduct</i>	-103.15	
			<i>For &gt;100, Deduct</i>	-157.60	
10 51 26 00-0100	EA		18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,076.90	47.84
			<i>For &gt;50 To 100, Deduct</i>	-98.12	
			<i>For &gt;100, Deduct</i>	-150.05	
10 51 26 00-0101	EA		18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,134.96	47.84
			<i>For &gt;50 To 100, Deduct</i>	-103.93	
			<i>For &gt;100, Deduct</i>	-158.76	
10 51 26 00-0102	EA		18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	1,221.95	47.84
			<i>For &gt;50 To 100, Deduct</i>	-112.63	
			<i>For &gt;100, Deduct</i>	-171.81	
<b>10 51 26 00-0103</b>			<b>Five Tier Solid Plastic Lockers (10 51 26 00-0001)</b>		
10 51 26 00-0104	EA		12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	966.06	47.15
			<i>For &gt;50 To 100, Deduct</i>	-87.18	
			<i>For &gt;100, Deduct</i>	-133.59	
10 51 26 00-0105	EA		12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	998.09	47.15
			<i>For &gt;50 To 100, Deduct</i>	-90.38	
			<i>For &gt;100, Deduct</i>	-138.40	
10 51 26 00-0106	EA		12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,030.12	47.15
			<i>For &gt;50 To 100, Deduct</i>	-93.58	
			<i>For &gt;100, Deduct</i>	-143.20	
10 51 26 00-0107	EA		15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,009.73	47.15
			<i>For &gt;50 To 100, Deduct</i>	-91.54	
			<i>For &gt;100, Deduct</i>	-140.14	
10 51 26 00-0108	EA		15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,067.10	47.15
			<i>For &gt;50 To 100, Deduct</i>	-97.28	
			<i>For &gt;100, Deduct</i>	-148.75	
10 51 26 00-0109	EA		15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,094.87	47.15
			<i>For &gt;50 To 100, Deduct</i>	-100.06	
			<i>For &gt;100, Deduct</i>	-152.91	
10 51 26 00-0110	EA		18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,085.19	47.15
			<i>For &gt;50 To 100, Deduct</i>	-99.09	
			<i>For &gt;100, Deduct</i>	-151.46	
10 51 26 00-0111	EA		18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,116.16	47.15
			<i>For &gt;50 To 100, Deduct</i>	-102.19	
			<i>For &gt;100, Deduct</i>	-156.11	
10 51 26 00-0112	EA		18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,216.80	47.15
			<i>For &gt;50 To 100, Deduct</i>	-112.25	
			<i>For &gt;100, Deduct</i>	-171.20	
10 51 26 00-0113	EA		12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,053.85	48.52
			<i>For &gt;50 To 100, Deduct</i>	-95.68	
			<i>For &gt;100, Deduct</i>	-146.43	
10 51 26 00-0114	EA		12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,089.77	48.52
			<i>For &gt;50 To 100, Deduct</i>	-99.27	
			<i>For &gt;100, Deduct</i>	-151.82	
10 51 26 00-0115	EA		12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	1,125.66	48.52
			<i>For &gt;50 To 100, Deduct</i>	-102.86	
			<i>For &gt;100, Deduct</i>	-157.20	

**10 Specialties**

**10 50 Storage Specialties**

**10 51 Lockers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0116	EA		15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,113.10	48.52
			<i>For &gt;50 To 100, Deduct</i>	-101.61	
			<i>For &gt;100, Deduct</i>	-155.32	
10 51 26 00-0117	EA		15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,138.36	48.52
			<i>For &gt;50 To 100, Deduct</i>	-104.13	
			<i>For &gt;100, Deduct</i>	-159.11	
10 51 26 00-0118	EA		15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,176.18	48.52
			<i>For &gt;50 To 100, Deduct</i>	-107.91	
			<i>For &gt;100, Deduct</i>	-164.78	
10 51 26 00-0119	EA		18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,147.11	48.52
			<i>For &gt;50 To 100, Deduct</i>	-105.01	
			<i>For &gt;100, Deduct</i>	-160.42	
10 51 26 00-0120	EA		18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,190.49	48.52
			<i>For &gt;50 To 100, Deduct</i>	-109.35	
			<i>For &gt;100, Deduct</i>	-166.93	
10 51 26 00-0121	EA		18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®).....	1,240.82	48.52
			<i>For &gt;50 To 100, Deduct</i>	-114.38	
			<i>For &gt;100, Deduct</i>	-174.48	
<b>10 51 26 00-0122 Six Tier Solid Plastic Lockers (10 51 26 00-0001)</b>					
10 51 26 00-0123	EA		15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,113.80	47.84
			<i>For &gt;50 To 100, Deduct</i>	-101.81	
			<i>For &gt;100, Deduct</i>	-155.59	
10 51 26 00-0124	EA		12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,093.12	49.21
			<i>For &gt;50 To 100, Deduct</i>	-99.47	
			<i>For &gt;100, Deduct</i>	-152.16	
10 51 26 00-0125	EA		12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,128.99	49.21
			<i>For &gt;50 To 100, Deduct</i>	-103.06	
			<i>For &gt;100, Deduct</i>	-157.54	
10 51 26 00-0126	EA		12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,152.93	49.21
			<i>For &gt;50 To 100, Deduct</i>	-105.45	
			<i>For &gt;100, Deduct</i>	-161.13	
10 51 26 00-0127	EA		15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,200.75	49.21
			<i>For &gt;50 To 100, Deduct</i>	-110.23	
			<i>For &gt;100, Deduct</i>	-168.30	
10 51 26 00-0128	EA		15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,214.71	49.21
			<i>For &gt;50 To 100, Deduct</i>	-111.63	
			<i>For &gt;100, Deduct</i>	-170.40	
10 51 26 00-0129	EA		15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,224.68	49.21
			<i>For &gt;50 To 100, Deduct</i>	-112.63	
			<i>For &gt;100, Deduct</i>	-171.89	
10 51 26 00-0130	EA		18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,228.65	49.21
			<i>For &gt;50 To 100, Deduct</i>	-113.02	
			<i>For &gt;100, Deduct</i>	-172.49	
10 51 26 00-0131	EA		18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,272.50	49.21
			<i>For &gt;50 To 100, Deduct</i>	-117.41	
			<i>For &gt;100, Deduct</i>	-179.07	
10 51 26 00-0132	EA		18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®).....	1,330.32	49.21
			<i>For &gt;50 To 100, Deduct</i>	-123.19	
			<i>For &gt;100, Deduct</i>	-187.74	
<b>10 51 26 00-0133 Solid Plastic Locker Accessories (10 51 26 00-0001)</b>					
<b>10 51 26 00-0134 Slope Tops For Solid Plastic Lockers (10 51 26 00-0133)</b>					
Note: Price per frame.					
10 51 26 00-0135	EA		Slope Top For Solid Plastic Lockers (Tufftec Lockers®).....	52.36	
<b>10 51 26 00-0136 Recessed Bases For Solid Plastic Lockers (10 51 26 00-0133)</b>					
Note: Price per frame.					
10 51 26 00-0137	EA		Recessed Base For Solid Plastic Lockers (Tufftec Lockers®).....	57.52	
<b>10 51 26 00-0138 End Panels For Solid Plastic Lockers (10 51 26 00-0133)</b>					
Note: Price per frame.					
10 51 26 00-0139	EA		End Panel For Solid Plastic Lockers (Tufftec Lockers®).....	132.58	
<b>10 51 26 00-0140 Venting Options For Solid Plastic Locker Doors (10 51 26 00-0133)</b>					
Note: Price per frame.					
10 51 26 00-0141	EA		Horizontal Venting Option For Solid Plastic Locker Doors.....	51.76	
<b>10 51 26 00-0142 Filler Panels For Solid Plastic Lockers (10 51 26 00-0133)</b>					
10 51 26 00-0143	EA		Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®).....	137.69	
Note: Full locker height. Width and height cut to size in the field.					
<b>10 51 26 00-0144 Locker Accessories For Solid Plastic Lockers (10 51 26 00-0133)</b>					
10 51 26 00-0145	EA		Built In Hasp For Solid Plastic Lockers.....	12.93	
Note: For removable padlocks. Excludes padlock.					
10 51 26 00-0146	EA		Built In Combination Lock For Solid Plastic Lockers.....	38.83	
10 51 26 00-0147	EA		Built In Key Lock For Solid Plastic Lockers.....	51.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 51 53 Locker Room Benches (10 51)**

10 51 53 00-0001	LF	9-1/2"	Wide Top, 17" To 19" Height, Hardwood Bench With Aluminum Pedestals.....	117.75	6.83
10 51 53 00-0002	LF	9-1/2"	Wide Top, 17" To 19" Height, Hardwood Bench With Painted Steel Pedestals.....	94.16	6.83
10 51 53 00-0003	LF	9-1/2"	Wide Top, 17" To 19" Height, Plastic Laminated Bench With Steel Pedestals.....	143.37	6.83
10 51 53 00-0004	LF	9-1/2"	Wide Top, 17" To 19" Height, Solid Plastic Bench With Steel Pedestals .....	137.05	6.83
10 51 53 00-0005	LF	9-1/2"	Wide Top, 17" To 19" Height, Aluminum Bench With Aluminum Pedestals .....	106.67	6.83

**10 70 Exterior Specialties (10)**

**10 71 Exterior Protection (10 70)**

**10 71 19 Flood Barriers (10 71)**

**10 71 19 16 Removable Flood Barriers (10 71 19)**

10 71 19 16-0001			<b>Removable Flood Barriers (10 71 19 16)</b> Note: Excludes saw cutting, excavation and concrete foundation. See CSI section 02 41 19 13-0001 for saw cutting, 03 10 00 00-0000 for concrete forms and accessories, 03 31 13 00-0010 for concrete foundations, 31 23 16 36-0000 for excavation.		
10 71 19 16-0002			<b>Flood Planks (10 71 19 16-0001)</b>		
10 71 19 16-0003	SF		Aluminum Flood Planks .....	291.33	
			Note: Excludes stamped drawings, any associated masonry work, removal, relocation and storage of flood planks.		

**10 75 Flagpoles (10 70)**

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

**10 75 16 Ground-Set Flagpoles (10 75)**

10 75 16 00-0001			<b>Free Standing Tapered Fiberglass Flagpoles (10 75 16)</b> Note: Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0002	EA	25'	Exposed Height, Tapered White Fiberglass Flagpole .....	4,390.68	1,080.96
			Note: 6" butt diameter, 3" top diameter and 0.180" wall.		
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	20.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0003	EA	30'	Exposed Height, Tapered White Fiberglass Flagpole .....	4,696.90	1,179.22
			Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.		
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	50.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0004	EA	35'	Exposed Height, Tapered White Fiberglass Flagpole .....	5,893.41	1,375.76
			Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	10.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0005	EA	40'	Exposed Height, Tapered White Fiberglass Flagpole .....	6,834.40	1,572.30
			Note: 7" butt diameter, 3" top diameter and 0.200" wall.		
			For Internal Halyard, Cam System, Add	300.00	
			For Bronze Finish, Add	50.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0006	EA	50'	Exposed Height, Tapered White Fiberglass Flagpole .....	12,484.06	1,768.84
			Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.		
			For Internal Halyard, Winch System, Add	1,700.00	
			For Bronze Finish, Add	200.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0007	EA	60'	Exposed Height, Tapered White Fiberglass Flagpole .....	14,836.43	1,965.37
			Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.		
			For Internal Halyard, Winch System, Add	1,900.00	
			For Bronze Finish, Add	160.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0008	EA	70'	Exposed Height, Tapered White Fiberglass Flagpole .....	25,340.76	2,161.91
			Note: 16" butt diameter, 7" top diameter and 0.325" wall.		
			For Internal Halyard, Winch System, Add	2,860.00	
			For Bronze Finish, Add	700.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0009	EA	78'	Exposed Height, Tapered White Fiberglass Flagpole .....	32,754.65	2,358.45
			Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.		
			For Internal Halyard, Winch System, Add	2,900.00	
			For Bronze Finish, Add	900.00	
			For Rope Lock Box, Add	96.00	
10 75 16 00-0010			<b>Free Standing Tapered Aluminum Flagpoles (10 75 16)</b> Note: Heavy duty. Excludes base or foundation See CSI section 10 75 16 00-0021 for concrete base.		
10 75 16 00-0011	EA	20'	Exposed Height, Tapered Satin Aluminum Flagpole .....	3,607.17	982.68
			Note: 5" butt diameter, 3" top diameter and 0.188" wall.		
			For Clear Anodized Finish, Add	150.00	
			For Bronze Anodized Finish, Add	180.00	
			For Black Anodized Finish, Add	230.00	
			For Internal Halyard, Winch System, Add	570.00	
			For Rope Lock Box, Add	96.00	



**10 Specialties**  
**10 70 Exterior Specialties**  
**10 75 Flagpoles**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0012	EA		25' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	4,270.25 200.00 230.00 320.00 1,100.00 96.00	1,080.96
10 75 16 00-0013	EA		30' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	4,734.39 240.00 290.00 400.00 1,390.00 96.00	1,179.22
10 75 16 00-0014	EA		35' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	5,980.99 290.00 360.00 480.00 1,340.00 96.00	1,375.76
10 75 16 00-0015	EA		40' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	7,360.20 390.00 480.00 660.00 1,490.00 96.00	1,572.30
10 75 16 00-0016	EA		45' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	8,129.37 400.00 500.00 700.00 1,340.00 96.00	1,670.57
10 75 16 00-0017	EA		50' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 10" butt diameter, 4" top diameter and 0.188" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	10,131.88 700.00 860.00 1,130.00 1,380.00 96.00	1,768.84
10 75 16 00-0018	EA		60' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	17,094.21 620.00 820.00 1,160.00 1,800.00 96.00	1,965.37
10 75 16 00-0019	EA		70' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.250" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	18,712.13 710.00 950.00 1,360.00 1,720.00 96.00	2,161.91
10 75 16 00-0020	EA		80' Exposed Height, Tapered Satin Aluminum Flagpole..... Note: 12" butt diameter, 4" top diameter and 0.375" wall. <i>For Clear Anodized Finish, Add</i> <i>For Bronze Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For Internal Halyard, Winch System, Add</i> <i>For Rope Lock Box, Add</i>	23,313.90 1,100.00 1,380.00 1,840.00 2,600.00 96.00	2,358.45
10 75 16 00-0021			<b>Flagpole Bases</b> <small>(10 75 16)</small>		
10 75 16 00-0022			<b>Flagpole Concrete Base</b> <small>(10 75 16 00-0021)</small> Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.		
10 75 16 00-0023	EA		30' Or Less Flagpole, Poured Concrete Foundation.....	2,076.61	
10 75 16 00-0024	EA		35' Flagpole, Poured Concrete Foundation.....	2,144.84	
10 75 16 00-0025	EA		40' Flagpole, Poured Concrete Foundation.....	2,466.01	
10 75 16 00-0026	EA		45' Flagpole, Poured Concrete Foundation.....	2,608.33	
10 75 16 00-0027	EA		50' Flagpole, Poured Concrete Foundation.....	3,129.63	
10 75 16 00-0028	EA		60' Flagpole, Poured Concrete Foundation.....	3,794.09	
10 75 16 00-0029	EA		70' Flagpole, Poured Concrete Foundation.....	4,481.89	
10 75 16 00-0030	EA		80' Flagpole, Poured Concrete Foundation.....	5,203.50	
10 75 16 00-0031	EA		90' To 100' Flagpole, Poured Concrete Foundation.....	6,056.23	
10 75 16 00-0032			<b>Direct Embedded Flagpole Base</b> <small>(10 75 16 00-0021)</small> Note: Augured in place, no concrete required.		
10 75 16 00-0033	EA		20' To 25' Flagpole, Direct Embedded Pole Base.....	803.50	
10 75 16 00-0034	EA		30' To 40' Flagpole, Direct Embedded Pole Base.....	1,153.22	
10 75 16 00-0035	EA		45' To 55' Flagpole, Direct Embedded Pole Base.....	1,287.70	
10 75 16 00-0036	EA		60' To 70' Flagpole, Direct Embedded Pole Base.....	1,449.92	
10 75 16 00-0037			<b>Flagpole Accessories</b> <small>(10 75 16)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**10 75 16 00-0038 Flagpole Tops** (10 75 16 00-0037)  
 Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA		4" Gold Anodized Aluminum Ball For Top Of Flagpole .....	153.37	58.12
10 75 16 00-0040	EA		5" Gold Anodized Aluminum Ball For Top Of Flagpole .....	166.84	61.54
10 75 16 00-0041	EA		6" Gold Anodized Aluminum Ball For Top Of Flagpole .....	185.62	64.96
10 75 16 00-0042	EA		8" Gold Anodized Aluminum Ball For Top Of Flagpole .....	237.54	68.38
10 75 16 00-0043	EA		10" Gold Anodized Aluminum Ball For Top Of Flagpole .....	308.02	71.80
10 75 16 00-0044	EA		12" Gold Anodized Aluminum Ball For Top Of Flagpole .....	342.72	75.21
10 75 16 00-0045	EA		11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish .....	314.87	75.21
10 75 16 00-0046	EA		15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish.....	365.89	85.47

**10 75 16 00-0047 Flagpole Accessories** (10 75 16 00-0037)  
 Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF		5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.46	0.10
10 75 16 00-0049	LF		5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles .....	0.73	0.10
10 75 16 00-0050	LF		5/16" Diameter, Nylon Halyard (Rope) For Flagpoles.....	0.56	0.10
10 75 16 00-0051	LF		3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles.....	1.94	0.10
10 75 16 00-0052	EA		Refinish Existing Flagpole Ball.....	461.49	170.85
10 75 16 00-0053	EA		Locking Aluminum Cleat Box For Flagpoles .....	369.55	102.51
10 75 16 00-0054	EA		Aluminum Cleat For Flagpoles.....	30.51	6.83
10 75 16 00-0055	LF		1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles.....	0.94	0.18

**10 75 23 Wall-Mounted Flagpoles** (10 75)

**10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles** (10 75 23)  
 Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA		14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,479.93	862.00
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0003	EA		17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,692.12	948.20
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0004	EA		20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	2,917.55	1,034.41
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0005	EA		25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole .....	3,381.72	1,206.81
			<i>For Rope Lock Box, Add</i>	96.00	

**10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles** (10 75 23)  
 Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA		10', Wall Mounted, Aluminum Outrigger Flagpole With Bracket .....	3,196.05	775.80
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0008	EA		15', Wall Mounted, Aluminum Outrigger Flagpole With Bracket .....	3,448.03	862.00
			<i>For Rope Lock Box, Add</i>	96.00	
10 75 23 00-0009	EA		20', Wall Mounted, Aluminum Outrigger Flagpole With Bracket .....	3,845.86	1,034.41
			<i>For Rope Lock Box, Add</i>	96.00	

**10 80 Other Specialties** (10)

**10 81 Pest Control Devices** (10 80)

**10 81 13 Bird Control Devices** (10 81)

**10 81 13 00-0001 Stainless Steel Spiked Bird Barrier** (10 81 13)  
 Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF		2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System .....	10.98	1.09
10 81 13 00-0003	LF		4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System .....	13.24	1.09
10 81 13 00-0004	LF		8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System .....	19.52	1.09

**10 81 13 00-0005 Polycarbonate Spiked Bird Barrier** (10 81 13)  
 Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF		3" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	10.14	1.09
10 81 13 00-0007	LF		5" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	12.29	1.09
10 81 13 00-0008	LF		8" Wide Polycarbonate Spikes And Base Bird Deterrent System .....	14.67	1.09

**10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier** (10 81 13)  
 Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010	LF		Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application .....	11.62	1.09
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**10 81 13 00-0011 Coil Bird Barrier** (10 81 13)  
 Note: Stainless steel coil.

10 81 13 00-0012	LF		4" Diameter Stainless Steel Coil Bird Deterrent System .....	8.22	1.09
10 81 13 00-0013	LF		5" Diameter Stainless Steel Coil Bird Deterrent System .....	9.71	1.09

**10 81 13 00-0014 Spider Bird Barrier** (10 81 13)  
 Note: Stainless steel arms with various bases.

10 81 13 00-0015	EA		2' Diameter Stainless Steel Spider Bird Deterrent System .....	145.04	1.09
10 81 13 00-0016	EA		4' Diameter Stainless Steel Spider Bird Deterrent System .....	213.18	1.09
10 81 13 00-0017	EA		8' Diameter Stainless Steel Spider Bird Deterrent System .....	268.24	1.09

**10 Specialties****10 80 Other Specialties****10 81 Pest Control Devices**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0018			<b>Oriented Flexible Flame Resistant Netting</b> <small>(10 81 13)</small> Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF		1/8" x 1/8" Mesh Flexible Polypropylene Netting .....	1.37	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0020	SF		1/4" x 1/4" Mesh Flexible Polypropylene Netting .....	1.32	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0021	SF		1/2" x 1/2" Mesh Flexible Polypropylene Netting .....	1.27	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0022	SF		3/4" x 3/4" Mesh Flexible Polypropylene Netting .....	1.23	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0023	SF		1" x 1" Mesh Flexible Polypropylene Netting .....	1.23	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0024	SF		1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting .....	1.21	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0025	SF		2" x 2" Mesh Flexible Polypropylene Netting .....	1.18	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0026	SF		3" x 3" Mesh Flexible Polypropylene Netting .....	1.18	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0027	SF		4" x 4" Mesh Flexible Polypropylene Netting .....	1.14	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0028	SF		5/8" x 3/4" Mesh Flexible Polypropylene Netting .....	1.25	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0029	SF		1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting .....	1.19	0.49
			Note: To control bird and marine predators.		
10 81 13 00-0030	EA		Poly Clips For Flexible Netting .....	4.00	
10 81 13 00-0031			<b>Netting Accessories</b> <small>(10 81 13)</small>		
10 81 13 00-0032	EA		2' Zipper For Flexible Netting .....	9.32	
10 81 13 00-0033	EA		4' Zipper For Flexible Netting .....	14.04	
10 81 13 00-0034	EA		6' Zipper For Flexible Netting .....	16.51	
10 81 13 00-0035	EA		8' Zipper For Flexible Netting .....	23.47	
10 81 13 00-0036			<b>Electric Track Bird Barrier</b> <small>(10 81 13)</small> Note: Flexible PVC base with stainless steel wires.		
10 81 13 00-0037	LF		Flexible Polyvinyl Chloride (PVC) Base, Ridged and Staggered, Electric Track Bird Deterrent System With Stainless Steel Wires .....	7.59	1.09
10 81 13 00-0038	LF		Flexible Polyvinyl Chloride (PVC) Base, Electric Track Bird Deterrent System With Stainless Steel Wires .....	10.18	1.09

**10 86 Security Mirrors And Domes** (10 80)

10 86 00 00-0001			<b>Dome Mirrors</b> <small>(10 86)</small> Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0002			<b>Steel Dome Mirrors</b> <small>(10 86 00 00-0001)</small>		
10 86 00 00-0003	EA		9" Diameter Full-Dome Steel Dome Mirror .....	326.00	27.35
10 86 00 00-0004	EA		12" Diameter Full-Dome Steel Dome Mirror .....	382.99	28.72
10 86 00 00-0005	EA		18" Diameter Full-Dome Steel Dome Mirror .....	442.72	31.46
10 86 00 00-0006	EA		24" Diameter Full-Dome Steel Dome Mirror .....	589.74	34.19
10 86 00 00-0007	EA		9" Diameter Half-Dome Steel Dome Mirror .....	233.53	20.51
10 86 00 00-0008	EA		12" Diameter Half-Dome Steel Dome Mirror .....	269.29	21.88
10 86 00 00-0009	EA		18" Diameter Half-Dome Steel Dome Mirror .....	314.44	23.93
10 86 00 00-0010	EA		24" Diameter Half-Dome Steel Dome Mirror .....	436.50	25.98
10 86 00 00-0011			<b>Plexiglas Dome Mirrors</b> <small>(10 86 00 00-0001)</small>		
10 86 00 00-0012	EA		18" Diameter Full-Dome Plexiglas Dome Mirror .....	255.17	31.46
10 86 00 00-0013	EA		26" Diameter Full-Dome Plexiglas Dome Mirror .....	358.55	34.19
10 86 00 00-0014	EA		32" Diameter Full-Dome Plexiglas Dome Mirror .....	473.29	39.65
10 86 00 00-0015	EA		36" Diameter Full-Dome Plexiglas Dome Mirror .....	572.27	47.86
10 86 00 00-0016	EA		48" Diameter Full-Dome Plexiglas Dome Mirror .....	835.04	68.38
10 86 00 00-0017	EA		18" Diameter Half-Dome Plexiglas Dome Mirror .....	157.09	23.93
10 86 00 00-0018	EA		26" Diameter Half-Dome Plexiglas Dome Mirror .....	210.74	25.98
10 86 00 00-0019	EA		32" Diameter Half-Dome Plexiglas Dome Mirror .....	276.97	30.08
10 86 00 00-0020	EA		36" Diameter Half-Dome Plexiglas Dome Mirror .....	341.42	36.24
10 86 00 00-0021	EA		48" Diameter Half-Dome Plexiglas Dome Mirror .....	541.35	51.28
10 86 00 00-0022	EA		18" Diameter Quarter-Dome Plexiglas Dome Mirror .....	102.37	20.51
10 86 00 00-0023	EA		26" Diameter Quarter-Dome Plexiglas Dome Mirror .....	130.77	22.56
10 86 00 00-0024	EA		32" Diameter Quarter-Dome Plexiglas Dome Mirror .....	171.15	25.30
10 86 00 00-0025	EA		36" Diameter Quarter-Dome Plexiglas Dome Mirror .....	213.04	30.08
10 86 00 00-0026	EA		48" Diameter Quarter-Dome Plexiglas Dome Mirror .....	352.05	42.73
10 86 00 00-0027			<b>Coated Plexiglas Dome Mirrors</b> <small>(10 86 00 00-0001)</small>		
10 86 00 00-0028	EA		18" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	303.53	31.46
10 86 00 00-0029	EA		26" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	467.07	34.19
10 86 00 00-0030	EA		36" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	789.31	47.86
10 86 00 00-0031	EA		48" Diameter Full-Dome Coated Plexiglas Dome Mirror .....	1,214.86	68.38
10 86 00 00-0032	EA		18" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	197.66	23.93
10 86 00 00-0033	EA		26" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	292.60	25.98
10 86 00 00-0034	EA		36" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	461.73	36.24
10 86 00 00-0035	EA		48" Diameter Half-Dome Coated Plexiglas Dome Mirror .....	763.11	51.28

<b>Specialties</b>	<b>10</b>
<b>Other Specialties</b>	<b>10 80</b>
<b>Security Mirrors And Domes</b>	<b>10 86</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0036 EA 18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	144.12	20.51
10 86 00 00-0037 EA 26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	201.07	22.56
10 86 00 00-0038 EA 32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	259.85	25.30
10 86 00 00-0039 EA 36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	333.83	30.08
10 86 00 00-0040 EA 48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror .....	521.90	42.73
 10 86 00 00-0041 <b>Circular Convex Security Mirrors</b> <small>(10 86)</small> Note: Includes all mounting hardware.		
10 86 00 00-0042 <b>Plexiglas Circular Convex Mirrors</b> <small>(10 86 00 00-0041)</small> Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0043 EA 12" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	109.81	21.88
10 86 00 00-0044 EA 18" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	141.99	23.93
10 86 00 00-0045 EA 26" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	213.33	25.98
10 86 00 00-0046 EA 30" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	266.12	30.08
10 86 00 00-0047 EA 36" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	353.21	36.24
10 86 00 00-0048 EA 48" Diameter Plexiglas Circular Convex Mirrors, Indoor .....	621.56	51.28
10 86 00 00-0049 EA 18" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	181.86	23.93
10 86 00 00-0050 EA 26" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	260.51	25.98
10 86 00 00-0051 EA 36" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	372.09	36.24
10 86 00 00-0052 EA 48" Diameter Plexiglas Circular Convex Mirrors, Outdoor .....	678.18	51.28
 10 86 00 00-0053 <b>Coated Plexiglas Circular Convex Mirrors</b> <small>(10 86 00 00-0041)</small> Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.		
10 86 00 00-0054 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	218.66	23.93
10 86 00 00-0055 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	342.14	25.98
10 86 00 00-0056 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	458.86	30.08
10 86 00 00-0057 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	572.61	36.24
10 86 00 00-0058 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor .....	831.52	51.28
10 86 00 00-0059 EA 18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	261.83	23.93
10 86 00 00-0060 EA 26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	403.48	25.98
10 86 00 00-0061 EA 30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	560.30	30.08
10 86 00 00-0062 EA 36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	633.95	36.24
10 86 00 00-0063 EA 48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor .....	1,003.74	51.28

**END OF SECTION 10**

**10 Specialties**

10 80 Other Specialties

10 86 Security Mirrors And Domes

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 11 Equipment

### 11 10 Vehicle and Pedestrian Equipment <sup>(11)</sup>

#### 11 13 Loading Dock Equipment <sup>(11 10)</sup>

##### 11 13 13 Loading Dock Bumpers <sup>(11 13)</sup>

##### 11 13 13 00-0001 Laminated Rubber Dock Bumpers <sup>(11 13 13)</sup>

##### 11 13 13 00-0002 4-1/2" Projection, Laminated Rubber Dock Bumpers <sup>(11 13 13 00-0001)</sup>

11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	153.58	27.34
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	188.82	27.34
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	238.54	27.34
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	168.60	27.34
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	181.05	27.34
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	203.31	27.34
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	238.54	27.34
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	318.08	27.34
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	188.48	27.34
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	203.31	27.34
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	245.61	27.34
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	275.61	27.34
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	373.02	27.34
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	228.09	27.34
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	262.97	27.34
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper .....	337.30	27.34

##### 11 13 13 00-0019 6" Projection, Laminated Rubber Dock Bumpers <sup>(11 13 13 00-0001)</sup>

11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	213.38	27.34
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	225.68	27.34
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	255.34	27.34
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	300.51	27.34
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper .....	400.45	27.34
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	240.68	27.34
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	250.79	27.34
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	290.90	27.34
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	350.73	27.34
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper .....	518.25	27.34
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper .....	300.68	27.34
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper .....	340.79	27.34
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper .....	346.13	27.34

##### 11 13 13 00-0033 Extruded Rubber Dock Bumpers <sup>(11 13 13)</sup>

##### 11 13 13 00-0034 1-3/4" Projection, Extruded Rubber Dock Bumpers <sup>(11 13 13 00-0033)</sup>

11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	86.29	27.34
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	91.24	27.34
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	97.85	27.34
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper .....	104.45	27.34

##### 11 13 13 00-0039 4" Projection, Extruded Rubber Dock Bumpers <sup>(11 13 13 00-0033)</sup>

11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	112.19	27.34
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	133.02	27.34
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	139.02	27.34
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper .....	152.69	27.34

##### 11 13 13 00-0044 6" Projection, Extruded Rubber Dock Bumpers <sup>(11 13 13 00-0033)</sup>

11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	135.52	27.34
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	163.60	27.34
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	186.72	27.34
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper .....	230.85	27.34

##### 11 13 13 00-0049 Molded Rubber Dock Bumpers <sup>(11 13 13)</sup>

##### 11 13 13 00-0050 Rectangular Molded Rubber Dock Bumpers <sup>(11 13 13 00-0049)</sup>

11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper .....	120.23	27.34
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper .....	107.47	27.34
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper .....	136.58	27.34
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper .....	165.93	27.34
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper .....	172.86	27.34
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	133.24	27.34
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	167.10	27.34
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	236.80	27.34
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	143.37	27.34
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	205.29	27.34
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper .....	204.68	27.34
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper .....	304.94	27.34



**11 Equipment**  
**11 10 Vehicle and Pedestrian Equipment**  
**11 13 Loading Dock Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 13 00-0063			T And L Shaped Rubber Dock Bumpers <small>(11 13 13 00-0049)</small>		
11 13 13 00-0064	EA		22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper.....	195.14	27.34
11 13 13 00-0065	EA		18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper.....	180.87	27.34

**11 13 16 Loading Dock Seals and Shelters (11 13)**

**11 13 16 13 Loading Dock Seals (11 13 16)**

11 13 16 13-0001			Vinyl Loading Dock Seals <small>(11 13 16 13)</small>		
11 13 16 13-0002			Standard Vinyl Loading Dock Seals <small>(11 13 16 13-0001)</small>		
11 13 16 13-0003	LF		10" Projection, Standard, Vinyl Loading Dock Seal.....	105.73	27.34
11 13 16 13-0004	LF		11" Projection, Standard, Vinyl Loading Dock Seal.....	106.99	27.34
11 13 16 13-0005	LF		12" Projection, Standard, Vinyl Loading Dock Seal.....	108.26	27.34
11 13 16 13-0006	LF		13" Projection, Standard, Vinyl Loading Dock Seal.....	110.78	27.34
11 13 16 13-0007	LF		14" Projection, Standard, Vinyl Loading Dock Seal.....	113.31	27.34
11 13 16 13-0008	LF		15" Projection, Standard, Vinyl Loading Dock Seal.....	115.87	27.34
11 13 16 13-0009	LF		16" Projection, Standard, Vinyl Loading Dock Seal.....	118.44	27.34
11 13 16 13-0010	LF		17" Projection, Standard, Vinyl Loading Dock Seal.....	121.07	27.34
11 13 16 13-0011	LF		18" Projection, Standard, Vinyl Loading Dock Seal.....	123.70	27.34
11 13 16 13-0012	LF		19" Projection, Standard, Vinyl Loading Dock Seal.....	126.23	27.34
11 13 16 13-0013	LF		20" Projection, Standard, Vinyl Loading Dock Seal.....	128.76	27.34
11 13 16 13-0014	LF		22" Projection, Standard, Vinyl Loading Dock Seal.....	133.89	27.34

**11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)**

11 13 16 13-0016	LF		10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	120.75	27.34
11 13 16 13-0017	LF		11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	122.02	27.34
11 13 16 13-0018	LF		12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	123.28	27.34
11 13 16 13-0019	LF		13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	125.85	27.34
11 13 16 13-0020	LF		14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	128.41	27.34
11 13 16 13-0021	LF		15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	130.94	27.34
11 13 16 13-0022	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	133.46	27.34
11 13 16 13-0023	LF		17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	136.03	27.34
11 13 16 13-0024	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	138.59	27.34
11 13 16 13-0025	LF		19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	141.12	27.34
11 13 16 13-0026	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	143.72	27.34
11 13 16 13-0027	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	148.77	27.34

**11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals (11 13 16 13-0001)**

11 13 16 13-0029	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	128.76	27.34
11 13 16 13-0030	LF		11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	130.06	27.34
11 13 16 13-0031	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	131.36	27.34
11 13 16 13-0032	LF		13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	133.89	27.34
11 13 16 13-0033	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	136.41	27.34
11 13 16 13-0034	LF		15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	138.98	27.34
11 13 16 13-0035	LF		16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	141.54	27.34
11 13 16 13-0036	LF		17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	144.07	27.34
11 13 16 13-0037	LF		18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	146.60	27.34
11 13 16 13-0038	LF		19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	149.16	27.34
11 13 16 13-0039	LF		20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	151.72	27.34
11 13 16 13-0040	LF		22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal.....	156.92	27.34

**11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13)**

**11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)**

11 13 16 13-0043	LF		10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	99.04	27.34
11 13 16 13-0044	LF		12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	101.02	27.34
11 13 16 13-0045	LF		14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	105.42	27.34
11 13 16 13-0046	LF		16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	109.75	27.34
11 13 16 13-0047	LF		18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	114.20	27.34
11 13 16 13-0048	LF		20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	118.54	27.34
11 13 16 13-0049	LF		22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain.....	122.93	27.34

**11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)**

11 13 16 13-0051	LF		10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	113.24	27.34
11 13 16 13-0052	LF		12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	115.29	27.34
11 13 16 13-0053	LF		14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	119.68	27.34
11 13 16 13-0054	LF		16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	124.08	27.34
11 13 16 13-0055	LF		18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	128.41	27.34
11 13 16 13-0056	LF		20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	132.80	27.34
11 13 16 13-0057	LF		22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	137.14	27.34

**11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain (11 13 16 13-0041)**

11 13 16 13-0059	LF		10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	120.95	27.34
11 13 16 13-0060	LF		12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	122.93	27.34
11 13 16 13-0061	LF		14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	127.39	27.34

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	131.72	27.34
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	136.11	27.34
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	140.45	27.34
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain.....	144.90	27.34

**11 13 16 23 Loading Dock Shelters (11 13 16)**

11 13 16 23-0001	<b>Retractable Vinyl Loading Dock Shelter (11 13 16 23)</b>			
11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms .....	162.88	34.17

**11 13 16 23-0003 Rigid Loading Dock Shelters (11 13 16 23)**

11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter .....	124.71	32.80
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter .....	129.37	32.80
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter .....	134.40	34.17
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter .....	137.62	34.17

**11 13 19 Stationary Loading Dock Equipment (11 13)**

Note: Includes all anchor bolts and fasteners.

**11 13 19 13 Loading Dock Levelers (11 13 19)**

**11 13 19 13-0001 Hydraulic Dock Levelers (11 13 19 13)**

Note: Excludes control panel, remote operator, and electrical wiring.

**11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)**

11 13 19 13-0003	EA	6' x 6', 20,000 LB Hydraulic Dock Leveler .....	8,638.47	1,186.85
11 13 19 13-0004	EA	6' x 8', 20,000 LB Hydraulic Dock Leveler .....	9,252.70	1,318.73
11 13 19 13-0005	EA	6' x 10', 20,000 LB Hydraulic Dock Leveler .....	11,279.88	1,582.48
11 13 19 13-0006	EA	7' x 6', 20,000 LB Hydraulic Dock Leveler .....	9,190.80	1,318.73
11 13 19 13-0007	EA	7' x 8', 20,000 LB Hydraulic Dock Leveler .....	9,973.38	1,450.60
11 13 19 13-0008	EA	7' x 10', 20,000 LB Hydraulic Dock Leveler .....	11,951.79	1,714.34

**11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)**

11 13 19 13-0010	EA	6' x 6', 25,000 LB Hydraulic Dock Leveler .....	8,803.90	1,186.85
11 13 19 13-0011	EA	6' x 8', 25,000 LB Hydraulic Dock Leveler .....	9,421.77	1,318.73
11 13 19 13-0012	EA	6' x 10', 25,000 LB Hydraulic Dock Leveler .....	11,438.24	1,582.48
11 13 19 13-0013	EA	7' x 6', 25,000 LB Hydraulic Dock Leveler .....	9,350.55	1,318.73
11 13 19 13-0014	EA	7' x 8', 25,000 LB Hydraulic Dock Leveler .....	10,120.08	1,450.60
11 13 19 13-0015	EA	7' x 10', 25,000 LB Hydraulic Dock Leveler .....	12,262.80	1,714.34

**11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)**

11 13 19 13-0017	EA	6' x 6', 30,000 LB Hydraulic Dock Leveler .....	9,239.98	1,384.66
11 13 19 13-0018	EA	6' x 8', 30,000 LB Hydraulic Dock Leveler .....	9,835.44	1,582.48
11 13 19 13-0019	EA	6' x 10', 30,000 LB Hydraulic Dock Leveler .....	11,953.44	1,846.22
11 13 19 13-0020	EA	7' x 6', 30,000 LB Hydraulic Dock Leveler .....	9,835.44	1,582.48
11 13 19 13-0021	EA	7' x 8', 30,000 LB Hydraulic Dock Leveler .....	10,563.76	1,780.28
11 13 19 13-0022	EA	7' x 10', 30,000 LB Hydraulic Dock Leveler .....	12,681.78	1,912.15

**11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)**

11 13 19 13-0024	EA	6' x 6', 35,000 LB Hydraulic Dock Leveler .....	9,558.93	1,450.60
11 13 19 13-0025	EA	6' x 8', 35,000 LB Hydraulic Dock Leveler .....	10,156.33	1,648.40
11 13 19 13-0026	EA	6' x 10', 35,000 LB Hydraulic Dock Leveler .....	11,482.09	1,912.15
11 13 19 13-0027	EA	7' x 6', 35,000 LB Hydraulic Dock Leveler .....	10,156.33	1,648.40
11 13 19 13-0028	EA	7' x 8', 35,000 LB Hydraulic Dock Leveler .....	11,035.64	1,846.22
11 13 19 13-0029	EA	7' x 10', 35,000 LB Hydraulic Dock Leveler .....	13,211.69	1,978.09

**11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)**

11 13 19 13-0031	EA	6' x 6', 40,000 LB Hydraulic Dock Leveler .....	10,075.92	1,450.60
11 13 19 13-0032	EA	6' x 8', 40,000 LB Hydraulic Dock Leveler .....	10,672.37	1,648.40
11 13 19 13-0033	EA	6' x 10', 40,000 LB Hydraulic Dock Leveler .....	12,830.98	1,912.15
11 13 19 13-0034	EA	7' x 6', 40,000 LB Hydraulic Dock Leveler .....	10,672.37	1,648.40
11 13 19 13-0035	EA	7' x 8', 40,000 LB Hydraulic Dock Leveler .....	11,552.87	1,846.22
11 13 19 13-0036	EA	7' x 10', 40,000 LB Hydraulic Dock Leveler .....	13,728.49	1,978.09

**11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers (11 13 19 13-0001)**

11 13 19 13-0038	EA	6' x 6', 45,000 LB Hydraulic Dock Leveler .....	10,541.16	1,516.54
11 13 19 13-0039	EA	6' x 8', 45,000 LB Hydraulic Dock Leveler .....	11,149.77	1,714.34
11 13 19 13-0040	EA	6' x 10', 45,000 LB Hydraulic Dock Leveler .....	13,294.18	1,978.09
11 13 19 13-0041	EA	7' x 6', 45,000 LB Hydraulic Dock Leveler .....	11,151.76	1,714.34
11 13 19 13-0042	EA	7' x 8', 45,000 LB Hydraulic Dock Leveler .....	12,023.15	1,912.15
11 13 19 13-0043	EA	7' x 10', 45,000 LB Hydraulic Dock Leveler .....	14,180.73	2,044.03

**11 13 19 13-0044 Manual Dock Levelers (11 13 19 13)**

**11 13 19 13-0045 20,000 LB Manual Dock Levelers (11 13 19 13-0044)**

11 13 19 13-0046	EA	6' x 6', 20,000 LB Manual Dock Leveler.....	6,956.89	1,186.85
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**11 Equipment****11 10 Vehicle and Pedestrian Equipment****11 13 Loading Dock Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
11 13 19 13-0047	EA	6' x 8', 20,000 LB Manual Dock Leveler.....	7,581.75		1,318.73
11 13 19 13-0048	EA	6' x 10', 20,000 LB Manual Dock Leveler.....	9,598.30		1,582.48
11 13 19 13-0049	EA	7' x 6', 20,000 LB Manual Dock Leveler.....	7,510.74		1,318.73
11 13 19 13-0050	EA	7' x 8', 20,000 LB Manual Dock Leveler.....	8,291.80		1,450.60
11 13 19 13-0051	EA	7' x 10', 20,000 LB Manual Dock Leveler.....	10,441.71		1,582.48
<b>11 13 19 13-0052</b>		<b>40,000 LB Manual Dock Levelers (11 13 19 13-0044)</b>			
11 13 19 13-0053	EA	6' x 6', 40,000 LB Manual Dock Leveler.....	8,543.08		1,318.73
11 13 19 13-0054	EA	6' x 8', 40,000 LB Manual Dock Leveler.....	9,139.53		1,450.60
11 13 19 13-0055	EA	6' x 10', 40,000 LB Manual Dock Leveler.....	9,995.97		1,714.34
11 13 19 13-0056	EA	7' x 6', 40,000 LB Manual Dock Leveler.....	9,139.53		1,450.60
11 13 19 13-0057	EA	7' x 8', 40,000 LB Manual Dock Leveler.....	10,367.57		1,582.48
11 13 19 13-0058	EA	7' x 10', 40,000 LB Manual Dock Leveler.....	12,195.64		1,846.22
<b>11 13 19 13-0059</b>		<b>Edge Of Dock Levelers (11 13 19 13)</b>			
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.			
<b>11 13 19 13-0060</b>		<b>Hydraulic Edge Of Dock Levelers (11 13 19 13-0059)</b>			
		Note: Excludes control panel, remote operator, and electrical wiring.			
11 13 19 13-0061	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066).....	4,689.22		395.61
11 13 19 13-0062	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072).....	5,024.95		395.61
11 13 19 13-0063	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566).....	4,976.36		395.61
11 13 19 13-0064	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572).....	5,437.26		395.61
11 13 19 13-0065	EA	66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620).....	5,563.91		395.61
11 13 19 13-0066	EA	72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220).....	5,869.60		395.61
<b>11 13 19 13-0067</b>		<b>Manual Edge Of Dock Levelers (11 13 19 13-0059)</b>			
11 13 19 13-0068	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066).....	2,550.56		395.61
11 13 19 13-0069	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072).....	2,752.81		395.61
11 13 19 13-0070	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566).....	2,814.66		395.61
11 13 19 13-0071	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572).....	2,966.34		395.61
11 13 19 13-0072	EA	66" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66).....	3,118.39		395.61
11 13 19 13-0073	EA	72" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72).....	3,521.83		395.61
11 13 19 13-0074	EA	78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78).....	3,818.63		395.61
11 13 19 13-0075	EA	72" Usable Width, 30,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72).....	3,861.29		395.61
11 13 19 13-0076	EA	66" Usable Width, 20,000 LB Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R).....	3,456.07		395.61
11 13 19 13-0077	EA	78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R).....	4,687.72		395.61
11 13 19 13-0078	EA	72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R).....	4,422.91		395.61
<b>11 13 19 23</b>		<b>Stationary Loading Dock Lifts (11 13 19)</b>			
<b>11 13 19 23-0001</b>		<b>Top Of Ground, Fixed Platform Lifts (11 13 19 23)</b>			
11 13 19 23-0002	EA	6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift.....	17,956.17		274.87
<b>11 13 19 23-0003</b>		<b>Pit Mounted, Fixed Platform Lifts (11 13 19 23)</b>			
11 13 19 23-0004	EA	6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted.....	12,319.76		274.87
11 13 19 23-0005	EA	6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted.....	22,046.41		412.31
11 13 19 23-0006	EA	7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted.....	38,593.92		824.63
11 13 19 23-0007	EA	8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted.....	40,510.98		1,099.50
<b>11 13 19 26</b>		<b>Loading Dock Truck Lifts (11 13 19)</b>			
<b>11 13 19 26-0001</b>		<b>Hydraulic Truck Lifts (11 13 19 26)</b>			
11 13 19 26-0002	EA	10' x 15', 60,000 LB Platform Truck Lift.....	36,485.06		2,285.70
11 13 19 26-0003	EA	10' x 20', 60,000 LB Platform Truck Lift.....	41,781.14		2,742.85
<b>11 13 19 33</b>		<b>Loading Dock Truck Restraints (11 13 19)</b>			
<b>11 13 19 33-0001</b>		<b>Truck Restraint System (11 13 19 33)</b>			
11 13 19 33-0002	EA	Electrical Operated Loading Dock Ground Mounted Vehicle Restraint (Serco SL60).....	10,562.16		494.53
		Note: Includes Integrated Control Panel & Automatic Light Communication Package, minimum 32,000 LB restraint capacity and Manufacturer's standard concrete anchor bolts and brackets for ground mounting to concrete apron.			
11 13 19 33-0003	EA	Push Button Rotating Hook Trailer Restraint With Automatic Lights (Kelley Star 4).....	11,034.97		494.53
		Note: Includes push button controls, warning lights, alarms, minimum 32,000 LB restraint capacity, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.			
11 13 19 33-0004	EA	Truck Restraint System (Poweramp Powerstop AAL).....	8,498.78		494.53
		Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.			
<b>11 13 26</b>		<b>Loading Dock Lights (11 13)</b>			
<b>11 13 26 00-0001</b>		<b>Communication Lights (11 13 26)</b>			
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC.....	437.89		115.83
		Note: Excludes control console.			
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC.....	538.71		115.83
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing.....	246.61		92.67

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>11 13 26 00-0005 Communication Lights Controls</b> <small>(11 13 26)</small>		
11 13 26 00-0006 EA Dock Communication Lights Control Console For Up To Two Docks.....	481.72	154.44
<b>11 13 26 00-0007 Loading Dock Lights</b> <small>(11 13 26)</small>		
<b>11 13 26 00-0008 Incandescent Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0009 EA 24" Long, Single Arm Loading Dock Light, 300W Incandescent.....	538.56	154.44
11 13 26 00-0010 EA 40" Long, Dual Arm Loading Dock Light, 300W Incandescent .....	485.95	154.44
11 13 26 00-0011 EA 60" Long, Dual Arm Loading Dock Light, 300W Incandescent .....	618.68	154.44
<b>11 13 26 00-0012 Metal Halide Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0013 EA 24" Long, Single Arm Loading Dock Light, 100W Metal Halide .....	720.43	154.44
11 13 26 00-0014 EA 40" Long, Dual Arm Loading Dock Light, 100W Metal Halide .....	782.78	154.44
11 13 26 00-0015 EA 60" Long, Dual Arm Loading Dock Light, 100W Metal Halide.....	832.65	154.44
<b>11 13 26 00-0016 Quartz Halogen Loading Dock Lights</b> <small>(11 13 26 00-0007)</small>		
11 13 26 00-0017 EA 24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen .....	478.94	154.44
11 13 26 00-0018 EA 40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	518.39	154.44
11 13 26 00-0019 EA 60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen.....	552.06	154.44

**11 30 Residential Equipment** (11)

**11 30 13 Residential Appliances** (11 30)

**11 30 13 13 Residential Kitchen Appliances** (11 30 13)

Note: Includes standard colors. Excludes stainless steel.

<b>11 30 13 13-0001 Ranges With Ovens</b> <small>(11 30 13 13)</small>		
Note: Free standing or slide in.		
<b>11 30 13 13-0002 Electric Ranges With Ovens</b> <small>(11 30 13 13-0001)</small>		
11 30 13 13-0003 EA 20" Electric Range With Oven .....	952.53	123.28
For Stainless Steel, Add	176.49	
11 30 13 13-0004 EA 24" Electric Range With Oven .....	992.98	123.28
For Stainless Steel, Add	186.60	
11 30 13 13-0005 EA 30" Electric Range With Oven .....	930.38	123.28
For Stainless Steel, Add	201.78	
11 30 13 13-0006 EA 30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHW).....	1,066.75	123.28
<b>11 30 13 13-0007 Gas Ranges With Ovens</b> <small>(11 30 13 13-0001)</small>		
11 30 13 13-0008 EA 20" Gas Range With Oven.....	1,053.67	123.28
For Stainless Steel, Add	201.78	
11 30 13 13-0009 EA 24" Gas Range With Oven.....	1,106.26	123.28
For Stainless Steel, Add	214.92	
11 30 13 13-0010 EA 30" Gas Range With Oven.....	1,154.81	123.28
For Stainless Steel, Add	227.06	
<b>11 30 13 13-0011 Range Hoods</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0012 Venting Range Hoods</b> <small>(11 30 13 13-0011)</small>		
11 30 13 13-0013 EA 21" Venting Range Hood (Broan 40000) .....	344.10	92.46
For Stainless Steel, Add	23.88	
11 30 13 13-0014 EA 24" Venting Range Hood (Broan 40000) .....	320.46	92.46
For Stainless Steel, Add	20.33	
11 30 13 13-0015 EA 30" Venting Range Hood (Broan 40000) .....	316.31	92.46
For Stainless Steel, Add	19.71	
11 30 13 13-0016 EA 36" Venting Range Hood (Broan 40000) .....	320.46	92.46
For Stainless Steel, Add	20.33	
<b>11 30 13 13-0017 Non-Ducted Range Hoods</b> <small>(11 30 13 13-0011)</small>		
11 30 13 13-0018 EA 21" Non-Ducted Range Hood (Broan 41000) .....	347.16	92.46
For Stainless Steel, Add	24.33	
11 30 13 13-0019 EA 24" Non-Ducted Range Hood (Broan 41000) .....	323.59	92.46
For Stainless Steel, Add	20.80	
11 30 13 13-0020 EA 30" Non-Ducted Range Hood (Broan 41000) .....	319.43	92.46
For Stainless Steel, Add	20.18	
11 30 13 13-0021 EA 36" Non-Ducted Range Hood (Broan 41000) .....	323.59	92.46
For Stainless Steel, Add	20.80	
<b>11 30 13 13-0022 Microwaves</b> <small>(11 30 13 13)</small>		
<b>11 30 13 13-0023 Countertop Microwaves</b> <small>(11 30 13 13-0022)</small>		
11 30 13 13-0024 EA 1.1 CF Countertop Microwave Oven.....	196.68	15.41
For Stainless Steel, Add	24.88	
11 30 13 13-0025 EA 1.2 CF Countertop Microwave Oven.....	233.07	15.41
For Stainless Steel, Add	30.34	

**11 Equipment**  
**11 30 Residential Equipment**  
**11 30 13 Residential Appliances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0026	EA		1.3 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	239.14 31.25	15.41
11 30 13 13-0027	EA		1.4 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	291.75 39.14	15.41
11 30 13 13-0028	EA		1.5 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	311.98 42.18	15.41
11 30 13 13-0029	EA		1.6 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	332.21 45.21	15.41
11 30 13 13-0030	EA		1.7 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	352.44 48.24	15.41
11 30 13 13-0031	EA		1.8 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	372.66 51.28	15.41
11 30 13 13-0032	EA		2.0 CF Countertop Microwave Oven..... <i>For Stainless Steel, Add</i>	394.89 54.61	15.41
<b>11 30 13 13-0033 Over-The-Range Microwaves (11 30 13 13-0022)</b>					
11 30 13 13-0034	EA		1.5 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	701.91 77.55	123.26
11 30 13 13-0035	EA		1.6 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	789.72 90.72	123.26
11 30 13 13-0036	EA		1.7 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	818.02 94.97	123.26
11 30 13 13-0037	EA		1.8 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	1,030.41 126.83	123.26
11 30 13 13-0038	EA		2.0 CF Over-The Range Microwave ..... <i>For Stainless Steel, Add</i>	830.17 96.79	123.26
11 30 13 13-0039	EA		1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW) .....	552.23	92.45
<b>11 30 13 13-0040 Trash Compactors (11 30 13 13)</b>					
11 30 13 13-0041	EA		15" Built-In Trash Compactor, 4 To 1 Compaction..... <i>For Stainless Steel, Add</i>	1,559.37 236.30	123.28
<b>11 30 13 13-0042 Refrigerators (11 30 13 13)</b>					
<b>11 30 13 13-0043 Top Freezer Refrigerators (11 30 13 13-0042)</b>					
11 30 13 13-0044	EA		Up To 10 CF Top Freezer Refrigerator..... <i>For Stainless Steel, Add</i>	770.56 97.09	61.65
11 30 13 13-0045	EA		>10 To 12 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	930.38 121.07	61.65
11 30 13 13-0046	EA		>12 To 14 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,033.52 136.54	61.65
11 30 13 13-0047	EA		>14 To 16 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,094.20 145.64	61.65
11 30 13 13-0048	EA		>16 To 18 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,256.03 169.91	61.65
11 30 13 13-0049	EA		>18 To 20 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,395.62 190.85	61.65
11 30 13 13-0050	EA		>20 To 22 CF Top Freezer Refrigerator ..... <i>For Stainless Steel, Add</i>	1,498.76 206.32	61.65
11 30 13 13-0051	EA		14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW).....	1,384.64	61.65
<b>11 30 13 13-0052 Side-By-Side Refrigerators (11 30 13 13-0042)</b>					
11 30 13 13-0053	EA		Up To 22 CF Side-By-Side Refrigerator..... <i>For Stainless Steel, Add</i>	1,539.00 212.36	61.65
11 30 13 13-0054	EA		>22 To 24 CF Side-By-Side Refrigerator ..... <i>For Stainless Steel, Add</i>	1,903.32 267.01	61.65
11 30 13 13-0055	EA		>24 To 26 CF Side-By-Side Refrigerator ..... <i>For Stainless Steel, Add</i>	2,146.06 303.42	61.65
<b>11 30 13 13-0056 Other Refrigerators (11 30 13 13-0042)</b>					
11 30 13 13-0057	EA		1.7 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	260.09 29.77	30.82
11 30 13 13-0058	EA		4.4 CF Dormitory Sized Refrigerator..... <i>For Stainless Steel, Add</i>	351.11 43.42	30.82
<b>11 30 13 13-0059 Freezers (11 30 13 13)</b>					
<b>11 30 13 13-0060 Upright Freezers (11 30 13 13-0059)</b>					
11 30 13 13-0061	EA		Up To 10 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	728.10 90.72	61.65
11 30 13 13-0062	EA		>10 To 12 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	930.38 121.07	61.65
11 30 13 13-0063	EA		>12 To 14 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	991.06 130.17	61.65
11 30 13 13-0064	EA		>14 To 16 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	1,132.66 151.41	61.65
11 30 13 13-0065	EA		>16 To 18 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	1,296.48 175.98	61.65
11 30 13 13-0066	EA		>18 To 20 CF Upright Freezer ..... <i>For Stainless Steel, Add</i>	1,377.42 188.12	61.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0067	EA		>20 To 22 CF Upright Freezer <i>For Stainless Steel, Add</i>	1,438.08 197.22	61.65
<b>11 30 13 13-0068</b>			<b>Chest Freezers</b> <small>(11 30 13 13-0059)</small>		
11 30 13 13-0069	EA		Up To 8 CF Chest Freezer <i>For Stainless Steel, Add</i>	588.50 69.78	61.65
11 30 13 13-0070	EA		>8 To 10 CF Chest Freezer <i>For Stainless Steel, Add</i>	730.10 91.02	61.65
11 30 13 13-0071	EA		>10 To 12 CF Chest Freezer <i>For Stainless Steel, Add</i>	780.69 98.61	61.65
11 30 13 13-0072	EA		>12 To 14 CF Chest Freezer <i>For Stainless Steel, Add</i>	871.70 112.26	61.65
11 30 13 13-0073	EA		>14 To 16 CF Chest Freezer <i>For Stainless Steel, Add</i>	930.38 121.07	61.65
11 30 13 13-0074	EA		>16 To 18 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,132.66 151.41	61.65
11 30 13 13-0075	EA		>18 To 20 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,395.62 190.85	61.65
11 30 13 13-0076	EA		>20 To 22 CF Chest Freezer <i>For Stainless Steel, Add</i>	1,438.08 197.22	61.65
<b>11 30 13 13-0077</b>			<b>Automatic Ice Makers</b> <small>(11 30 13 13)</small>		
11 30 13 13-0078	EA		15" Wide, 50 LB Per Day, Automatic Ice Maker	2,669.88	123.28
11 30 13 13-0079	EA		18" Wide, 50 LB Per Day, Automatic Ice Maker	2,973.30	123.28
<b>11 30 13 13-0080</b>			<b>Built-In Dishwashers</b> <small>(11 30 13 13)</small>		
11 30 13 13-0081	EA		18" Built-In Dishwasher <i>For Stainless Steel, Add</i>	1,318.63 160.81	123.28
11 30 13 13-0082	EA		24" Built-In Dishwasher <i>For Stainless Steel, Add</i>	893.85 97.09	123.28
<b>11 30 13 13-0083</b>			<b>Automatic Water Softener</b> <small>(11 30 13 13)</small>		
11 30 13 13-0084	EA		30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	1,413.85	279.29
11 30 13 13-0085	EA		40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,662.33	279.29
<b>11 30 13 13-0086</b>			<b>Removal And Reinstallation Of Kitchen Equipment</b> <small>(11 30 13 13)</small>		
			Note: Includes storage, cleaning and final connections.		
11 30 13 13-0087	EA		Removal And Reinstallation Of Garbage Disposal	184.93	
11 30 13 13-0088	EA		Removal And Reinstallation Of Stove/Range	369.86	
11 30 13 13-0089	EA		Removal And Reinstallation Of Dishwasher	394.51	
11 30 13 13-0090	EA		Removal And Reinstallation Of Range Hood	184.93	
11 30 13 13-0091	EA		Removal And Reinstallation Of Washer And Dryer	308.21	
<b>11 30 13 13-0092</b>			<b>Appliance Repair</b> <small>(11 30 13 13)</small>		
			Note: Includes removal.		
11 30 13 13-0093	EA		8" Burner Replacement	40.00	
11 30 13 13-0094	EA		4" Burner Element Replacement	69.11	
11 30 13 13-0095	EA		8" Burner Element Replacement	79.63	
11 30 13 13-0096	EA		Burner Manifold Replacement	277.22	
11 30 13 13-0097	EA		Burner Switch Replacement	110.23	
11 30 13 13-0098	EA		Burner Tube, 5/8" x 4' Replacement	53.16	
11 30 13 13-0099	EA		Oven Control Replacement	131.19	
11 30 13 13-0100	EA		Oven Door Gasket Replacement	54.58	
11 30 13 13-0101	EA		Oven Element Replacement	122.78	
11 30 13 13-0102	EA		Oven Igniter Replacement	88.22	
11 30 13 13-0103	EA		Oven Knobs Replacement	66.93	
<b>11 30 13 13-0104</b>			<b>Accessories</b> <small>(11 30 13 13)</small>		
11 30 13 13-0105	SF		Colored Metal Range Splash Plate	21.57	4.93
11 30 13 13-0106	SF		Stainless Steel Range Splash Plate	30.99	4.93
<b>11 30 13 23</b>			<b>Residential Laundry Appliances</b> <small>(11 30 13)</small>		
<b>11 30 13 23-0001</b>			<b>Washing Machines And Dryers</b> <small>(11 30 13 23)</small>		
<b>11 30 13 23-0002</b>			<b>Washing Machines</b> <small>(11 30 13 23-0001)</small>		
11 30 13 23-0003	EA		Up To 3.5 CF, Top Load Washing Machine	1,014.26	123.28
11 30 13 23-0004	EA		>3.5 To 4 CF, Top Load Washing Machine	1,600.87	123.28
11 30 13 23-0005	EA		>4 To 5 CF, Top Load Washing Machine	2,106.57	123.28
<b>11 30 13 23-0006</b>			<b>Dryers</b> <small>(11 30 13 23-0001)</small>		
<b>11 30 13 23-0007</b>			<b>Electric Dryers</b> <small>(11 30 13 23-0006)</small>		
11 30 13 23-0008	EA		Up To 6 CF, Electric Dryer	789.75	123.28
11 30 13 23-0009	EA		>6 To 6.5 CF, Electric Dryer	994.03	123.28
11 30 13 23-0010	EA		>6.5 To 7 CF, Electric Dryer	1,216.54	123.28
11 30 13 23-0011	EA		>7 To 7.5 CF, Electric Dryer	1,378.36	123.28



**11 Equipment**  
**11 30 Residential Equipment**  
**11 30 13 Residential Appliances**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 30 13 23-0012			<b>Gas Dryers</b> <small>(11 30 13 23-0006)</small>		
11 30 13 23-0013	EA		Up To 6 CF, Gas Dryer .....	933.35	123.28
11 30 13 23-0014	EA		>6 To 6.5 CF, Gas Dryer .....	1,135.63	123.28
11 30 13 23-0015	EA		>6.5 To 7 CF, Gas Dryer .....	1,337.68	123.28
11 30 13 23-0016	EA		>7 To 7.5 CF, Gas Dryer .....	1,519.96	123.28

**11 30 33 Retractable Stairs** (11 30)

11 30 33 00-0001			<b>Disappearing Folding Access Stairs</b> <small>(11 30 33)</small>		
11 30 33 00-0002			<b>250 LB Capacity, Wood Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>		
11 30 33 00-0003	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	853.34	273.51
11 30 33 00-0004	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	868.07	273.51
11 30 33 00-0005	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	868.07	273.51
11 30 33 00-0006	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity .....	882.44	273.51
11 30 33 00-0007			<b>350 LB Capacity, Wood Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>		
11 30 33 00-0008	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	987.79	273.51
11 30 33 00-0009	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	1,017.56	273.51
11 30 33 00-0010	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	1,005.32	273.51
11 30 33 00-0011	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	1,033.77	273.51
11 30 33 00-0012	EA		30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	1,022.33	273.51
11 30 33 00-0013	EA		30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity .....	1,071.50	273.51
11 30 33 00-0014			<b>400 LB Capacity, Wood One Piece Pull Down Access Stairs</b> <small>(11 30 33 00-0001)</small>		
			Note: Ladder width 17 1/16", 1x4 treads, 1x4 stringers. Bessler Stairway Company, Model 20.		
11 30 33 00-0015	EA		24" x 48" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity .....	1,906.59	273.51
11 30 33 00-0016	EA		24" x 48" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity .....	1,968.77	273.51
11 30 33 00-0017	EA		24" x 48" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity .....	2,030.95	273.51
11 30 33 00-0018	EA		24" x 48" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 400 LB Capacity .....	2,072.40	273.51
11 30 33 00-0019			<b>600 LB Capacity, Wood One Piece Pull Down Access Stairs</b> <small>(11 30 33 00-0001)</small>		
			Note: Ladder width 17 1/16", 1x6 treads, 1x6 stringers. Bessler Stairway Company, Model 40.		
11 30 33 00-0020	EA		24" x 66" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity .....	2,217.48	273.51
			<i>For Ladder Width 18 7/8" Wide, Add</i> .....	230.06	
11 30 33 00-0021	EA		24" x 66" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity .....	2,258.94	273.51
			<i>For Ladder Width 18 7/8" Wide, Add</i> .....	236.28	
11 30 33 00-0022	EA		24" x 66" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity .....	2,279.66	273.51
			<i>For Ladder Width 18 7/8" Wide, Add</i> .....	239.39	
11 30 33 00-0023	EA		24" x 66" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity .....	2,341.84	273.51
			<i>For Ladder Width 18 7/8" Wide, Add</i> .....	248.71	
11 30 33 00-0024	EA		24" x 72" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity .....	2,493.11	273.51
			<i>For Ladder Width 18 7/8" Wide, Add</i> .....	261.15	
11 30 33 00-0025	EA		24" x 72" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity .....	2,596.74	273.51
			<i>For Ladder Width 18 7/8" Wide, Add</i> .....	276.69	
11 30 33 00-0026	EA		24" x 72" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 600 LB Capacity .....	2,700.37	273.51
			<i>For Ladder Width 18 7/8" Wide, Add</i> .....	292.24	
11 30 33 00-0027			<b>800 LB Capacity, Wood One Piece Pull Down Access Stairs</b> <small>(11 30 33 00-0001)</small>		
			Note: Ladder width 18 7/8", 1x8 treads, 1x8 stringers. Bessler Stairway Company, Model 100.		
11 30 33 00-0028	EA		30" x 70" Rough Opening, 7' 7" To 7' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,026.84	273.51
11 30 33 00-0029	EA		30" x 70" Rough Opening, 7' 11" To 8' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,068.29	273.51
11 30 33 00-0030	EA		30" x 70" Rough Opening, 8' 5" To 8' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,109.74	273.51
11 30 33 00-0031	EA		30" x 72" Rough Opening, 8' 11" To 9' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,213.37	273.51
11 30 33 00-0032	EA		30" x 76" Rough Opening, 9' 5" To 9' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,343.93	273.51
11 30 33 00-0033	EA		30" x 80" Rough Opening, 9' 11" To 10' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,406.11	273.51
11 30 33 00-0034	EA		30" x 84" Rough Opening, 10' 5" To 10' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,509.74	273.51
11 30 33 00-0035	EA		30" x 87" Rough Opening, 10' 11" To 11' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,723.19	273.51
11 30 33 00-0036	EA		30" x 90" Rough Opening, 11' 5" To 11' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	4,909.72	273.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0037	EA		30" x 93" Rough Opening, 11' 11" To 12' 4" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	5,137.71	273.51
11 30 33 00-0038	EA		30" x 96" Rough Opening, 12' 5" To 12' 10" Ceiling Height, Wood One Piece Pull Down Access Stairs, 800 LB Capacity .....	5,344.97	273.51
<b>11 30 33 00-0039</b>			<b>300 LB Capacity, Aluminum Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>		
11 30 33 00-0040	EA		22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	875.42	273.51
11 30 33 00-0041	EA		22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	905.98	273.51
11 30 33 00-0042	EA		25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	883.93	273.51
11 30 33 00-0043	EA		25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	914.48	273.51
11 30 33 00-0044	EA		25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity .....	1,084.62	273.51
<b>11 30 33 00-0045</b>			<b>300 LB Capacity, Steel Folding Access Stairs</b> <small>(11 30 33 00-0001)</small>		
11 30 33 00-0046	EA		22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity .....	963.63	273.51
11 30 33 00-0047	EA		22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity .....	1,007.86	273.51

**11 50 Educational and Scientific Equipment** (11)

**11 52 Audio-Visual Equipment** (11 50)

**11 52 13 Projection Screens** (11 52)

**11 52 13 13 Fixed Projection Screens** (11 52 13)

**11 52 13 13-0001 Screens** (11 52 13 13)

**11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)**

11 52 13 13-0003	EA		40" x 40" Pull Down Projection Screen (Da-Lite B).....	417.40	95.73
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0004	EA		50" x 50" Pull Down Projection Screen (Da-Lite B).....	498.01	123.08
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0005	EA		60" x 60" Pull Down Projection Screen (Da-Lite B).....	633.31	170.94
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0006	EA		70" x 70" Pull Down Projection Screen (Da-Lite B).....	734.44	205.13
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0007	EA		84" x 84" Pull Down Projection Screen (Da-Lite B).....	1,136.04	307.68
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0008	EA		96" x 96" Pull Down Projection Screen (Da-Lite B).....	1,335.41	341.87
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0009	EA		64" x 84" Pull Down Projection Screen (Da-Lite B).....	958.26	218.81
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0010	EA		72" x 96" Pull Down Projection Screen (Da-Lite B).....	1,100.41	273.51
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0011	EA		43" x 57" Pull Down Projection Screen (Da-Lite B).....	589.41	116.24
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0012	EA		50" x 67" Pull Down Projection Screen (Da-Lite B).....	816.12	164.10
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0013	EA		55" x 77" Pull Down Projection Screen (Da-Lite B).....	889.88	184.62
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0014	EA		60" x 80" Pull Down Projection Screen (Da-Lite B).....	949.98	198.29
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0015	EA		69" x 92" Pull Down Projection Screen (Da-Lite B).....	1,097.53	239.32
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	
11 52 13 13-0016	EA		45" x 80" Pull Down Projection Screen (Da-Lite B).....	895.28	170.94
			<i>For High Contrast Matte, Add</i> .....	40.00	
			<i>For Video Spectra Fabric, Add</i> .....	40.00	
			<i>For High Power Fabric, Add</i> .....	120.00	

**11 Equipment**  
**11 50 Educational and Scientific Equipment**  
**11 52 Audio-Visual Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0017	EA		52" x 92" Pull Down Projection Screen (Da-Lite B) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,015.47 40.00 40.00 120.00	198.29
<b>11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) (11 52 13 13-0001)</b>					
11 52 13 13-0019	EA		50" x 50" Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	956.46 40.00 40.00 120.00	123.08
11 52 13 13-0020	EA		60" x 60" Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,124.50 40.00 40.00 120.00	170.94
11 52 13 13-0021	EA		70" x 70" Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,313.07 40.00 40.00 120.00	232.48
11 52 13 13-0022	EA		84" x 84" Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,528.99 40.00 40.00 120.00	307.68
11 52 13 13-0023	EA		6' x 8' Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,673.65 40.00 40.00 120.00	314.52
11 52 13 13-0024	EA		8' x 8' Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,793.85 40.00 40.00 120.00	341.87
11 52 13 13-0025	EA		7' x 9' Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,826.60 40.00 40.00 120.00	341.87
11 52 13 13-0026	EA		9' x 9' Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,965.85 40.00 40.00 120.00	362.39
11 52 13 13-0027	EA		8' x 10' Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,105.12 40.00 40.00 120.00	382.90
11 52 13 13-0028	EA		10' x 10' Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,258.06 40.00 40.00 120.00	410.25
11 52 13 13-0029	EA		9' x 12' Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,520.03 40.00 40.00 120.00	410.25
11 52 13 13-0030	EA		12' x 12' Pull Down Projection Screen (Da-Lite C) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,924.51 40.00 40.00 120.00	547.00
<b>11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) (11 52 13 13-0001)</b>					
Note: With controlled screen return.					
11 52 13 13-0032	EA		60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	1,779.42 40.00 40.00 120.00	170.94
11 52 13 13-0033	EA		70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,000.74 40.00 40.00 120.00	232.48
11 52 13 13-0034	EA		84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,216.66 40.00 40.00 120.00	307.68
11 52 13 13-0035	EA		6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,328.57 40.00 40.00 120.00	314.52
11 52 13 13-0036	EA		8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,481.52 40.00 40.00 120.00	341.87
11 52 13 13-0037	EA		7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,514.26 40.00 40.00 120.00	341.87
11 52 13 13-0038	EA		9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR) For High Contrast Matte, Add For Video Spectra Fabric, Add For High Power Fabric, Add	2,653.52 40.00 40.00 120.00	362.39

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 52 13 13-0039	EA			8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	2,713.62 40.00 40.00 120.00	376.06
11 52 13 13-0040	EA			10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	3,043.96 40.00 40.00 120.00	410.25
11 52 13 13-0041	EA			9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	3,338.68 40.00 40.00 120.00	410.25
11 52 13 13-0042	EA			12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)..... <i>For High Contrast Matte, Add</i> <i>For Video Spectra Fabric, Add</i> <i>For High Power Fabric, Add</i>	3,808.65 40.00 40.00 120.00	547.00

**11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) (11 52 13 13-0001)**

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA			50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,599.36	153.85
11 52 13 13-0045	EA			60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,660.90	170.94
11 52 13 13-0046	EA			70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	2,781.23	205.13
11 52 13 13-0047	EA			84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,221.55	307.68
11 52 13 13-0048	EA			6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,300.85	314.52
11 52 13 13-0049	EA			8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,505.97	341.87
11 52 13 13-0050	EA			7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,574.34	341.87
11 52 13 13-0051	EA			9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,753.46	365.80
11 52 13 13-0052	EA			8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	3,970.88	382.90
11 52 13 13-0053	EA			10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	4,115.82	410.25
11 52 13 13-0054	EA			9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	4,238.89	410.25
11 52 13 13-0055	EA			12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol) .....	4,725.69	547.00

**11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) (11 52 13 13-0001)**

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA			9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	6,384.06	410.25
11 52 13 13-0058	EA			12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	6,919.52	547.00
11 52 13 13-0059	EA			14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	8,562.59	615.38
11 52 13 13-0060	EA			12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	9,026.80	683.76
11 52 13 13-0061	EA			16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	9,627.76	820.51
11 52 13 13-0062	EA			13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	10,746.89	888.88
11 52 13 13-0063	EA			18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	11,767.79	957.25
11 52 13 13-0064	EA			15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	12,422.71	957.25
11 52 13 13-0065	EA			20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	13,383.87	1,094.01
11 52 13 13-0066	EA			11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	12,384.19	888.88
11 52 13 13-0067	EA			16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	13,121.90	1,094.01
11 52 13 13-0068	EA			22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	13,722.87	1,230.76
11 52 13 13-0069	EA			12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	13,175.87	957.25
11 52 13 13-0070	EA			18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) .....	16,997.47	1,230.76

**11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) (11 52 13 13-0001)**

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA			50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	5,871.23	153.85
11 52 13 13-0073	EA			60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	6,003.65	170.94
11 52 13 13-0074	EA			70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	6,137.53	205.13
11 52 13 13-0075	EA			84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	6,571.88	307.68
11 52 13 13-0076	EA			6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	6,651.04	314.52
11 52 13 13-0077	EA			8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	6,902.23	341.87
11 52 13 13-0078	EA			7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	7,098.70	341.87
11 52 13 13-0079	EA			9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) .....	7,244.80	365.80

**11 Equipment**  
**11 50 Educational and Scientific Equipment**  
**11 52 Audio-Visual Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0080	EA		8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling operated door to conceal screen.	7,442.72	382.90
11 52 13 13-0081	EA		10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,628.40	410.25
11 52 13 13-0082	EA		9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,693.90	410.25
11 52 13 13-0083	EA		12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,294.86	547.00
11 52 13 13-0084	EA		10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	8,887.16	581.19
11 52 13 13-0085	EA		14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	9,283.00	615.38
11 52 13 13-0086	EA		12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,140.16	683.76
11 52 13 13-0087	EA		16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol)..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	10,577.39	820.51
<b>11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) (11 52 13 13-0001)</b>					
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0089	EA		50" x 50" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,875.75	153.85
11 52 13 13-0090	EA		60" x 60" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	4,989.97	188.04
11 52 13 13-0091	EA		70" x 70" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,053.63	205.13
11 52 13 13-0092	EA		84" x 84" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,353.73	307.68
11 52 13 13-0093	EA		6' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,396.87	314.52
11 52 13 13-0094	EA		8' x 8' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,576.01	341.87
11 52 13 13-0095	EA		7' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,749.57	341.87
11 52 13 13-0096	EA		9' x 9' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,029.92	365.80
11 52 13 13-0097	EA		8' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,109.96	382.90
11 52 13 13-0098	EA		10' x 10' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,305.47	410.25
11 52 13 13-0099	EA		9' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,311.22	478.63
11 52 13 13-0100	EA		12' x 12' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,906.43	547.00
11 52 13 13-0101	EA		10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,605.55	581.19
11 52 13 13-0102	EA		14' x 14' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,985.01	615.38
11 52 13 13-0103	EA		12' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	9,727.56	683.76
11 52 13 13-0104	EA		16' x 16' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	10,138.60	820.51
11 52 13 13-0105	EA		13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	11,044.88	888.88
11 52 13 13-0106	EA		18' x 18' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	11,728.50	957.25
11 52 13 13-0107	EA		15' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	12,206.59	957.25
11 52 13 13-0108	EA		20' x 20' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	13,501.75	1,094.01
11 52 13 13-0109	EA		50" x 67" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,053.63	205.13
11 52 13 13-0110	EA		60" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,285.35	273.51
11 52 13 13-0111	EA		69" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,383.20	307.68
11 52 13 13-0112	EA		87" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,142.70	382.90
11 52 13 13-0113	EA		105" x 140" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	6,583.01	478.63
11 52 13 13-0114	EA		123" x 164" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,163.09	615.38
11 52 13 13-0115	EA		141" x 188" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	8,685.46	752.13
11 52 13 13-0116	EA		12' x 24' Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	15,238.08	1,025.63
11 52 13 13-0117	EA		45" x 80" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,301.72	273.51
11 52 13 13-0118	EA		52" x 92" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,432.32	307.68
11 52 13 13-0119	EA		54" x 96" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,568.31	328.20
11 52 13 13-0120	EA		58" x 104" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,652.48	355.55
11 52 13 13-0121	EA		65" x 116" Electric Projection Screen (Da-Lite Senior Electrol)..... Note: Heavy duty screen for recessed or exposed installation.	5,985.52	382.90



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0122	EA		78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	6,458.58	478.63
11 52 13 13-0123	EA		92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	8,074.67	615.38
11 52 13 13-0124	EA		106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	9,337.10	752.13
11 52 13 13-0125	EA		119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) ..... Note: Heavy duty screen for recessed or exposed installation.	11,329.77	888.88
<b>11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) <small>(11 52 13 13-0001)</small></b>					
Note: In-the-ceiling screen with automatically operated door to conceal screen.					
11 52 13 13-0127	EA		50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,074.26	153.85
11 52 13 13-0128	EA		60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,174.08	170.94
11 52 13 13-0129	EA		70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,291.69	205.13
11 52 13 13-0130	EA		84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,666.37	307.68
11 52 13 13-0131	EA		6" x 8" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,734.73	314.52
11 52 13 13-0132	EA		8" x 8" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,907.04	341.87
11 52 13 13-0133	EA		7" x 9" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,090.26	341.87
11 52 13 13-0134	EA		9" x 9" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,255.71	365.80
11 52 13 13-0135	EA		8" x 10" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,377.41	382.90
11 52 13 13-0136	EA		10" x 10" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,571.58	410.25
11 52 13 13-0137	EA		9" x 12" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,760.28	410.25
11 52 13 13-0138	EA		12" x 12" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) ..... Note: In-the-ceiling screen with automatically operated door to conceal screen.	7,192.39	547.00
<b>11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) <small>(11 52 13 13-0001)</small></b>					
Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.					
11 52 13 13-0140	EA		60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,023.23	341.87
11 52 13 13-0141	EA		69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,076.87	410.25
11 52 13 13-0142	EA		87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,713.85	615.38
11 52 13 13-0143	EA		105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,577.56	820.51
11 52 13 13-0144	EA		120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	26,143.29	957.25
11 52 13 13-0145	EA		52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,940.12	341.87
11 52 13 13-0146	EA		58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	17,419.46	410.25
11 52 13 13-0147	EA		65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,440.34	478.63
11 52 13 13-0148	EA		78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	23,167.31	615.38
<b>11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) <small>(11 52 13 13-0001)</small></b>					
Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.					
11 52 13 13-0150	EA		60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,869.85	341.87
11 52 13 13-0151	EA		67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,101.67	376.06
11 52 13 13-0152	EA		72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	6,984.47	410.25
11 52 13 13-0153	EA		84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,521.05	444.44
11 52 13 13-0154	EA		90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,869.22	13,390.60
11 52 13 13-0155	EA		96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,402.12	547.00
11 52 13 13-0156	EA		100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	19,727.29	615.38
11 52 13 13-0157	EA		120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	26,612.05	683.76
11 52 13 13-0158	EA		125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	29,773.77	752.13
11 52 13 13-0159	EA		135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) ..... Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	39,799.84	820.51



**11 Equipment**  
**11 50 Educational and Scientific Equipment**  
**11 52 Audio-Visual Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0160			Screen Accessories (11 52 13 13-0001)		
11 52 13 13-0161			Manual Pull Down Accessories (11 52 13 13-0160)		
11 52 13 13-0162	EA		6" Mounting Bracket (Pair).....	79.45	10.26
11 52 13 13-0163	EA		14" Wall Mounting Bracket (Pair).....	112.20	10.94
11 52 13 13-0164	EA		14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair).....	131.85	12.30
11 52 13 13-0165			Electric Powered Screen Accessories (11 52 13 13-0160)		
11 52 13 13-0166	EA		Single Motor Low Voltage Remote Control System - Infrared.....	816.80	
11 52 13 13-0167	EA		Single Motor Low Voltage Remote Control System - Radio Frequency.....	1,177.01	
11 52 13 13-0168			Relocate Existing Fixed Projection Screen (11 52 13 13)		
11 52 13 13-0169	EA		Relocate Electric Controlled Projection Screen, Including Storage And Cleaning.....	2,011.04	
11 52 13 16			<b>Portable Projection Screens (11 52 13)</b>		
11 52 13 16-0001			Motion Picture Screen And Case (11 52 13 16)		
11 52 13 16-0002	SF		Screen, Riser Projection With Anodized Aluminum Frame.....	52.76	4.92
11 52 16			<b>Projectors (11 52)</b>		
11 52 16 26			<b>Video Projectors (11 52 16)</b>		
11 52 16 26-0001			Projectors (11 52 16 26)		
11 52 16 26-0002	EA		2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector.....	1,403.86	68.38
11 52 16 26-0003	EA		2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector.....	1,625.61	68.38
11 52 16 26-0004	EA		2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector.....	2,148.29	68.38
11 52 16 26-0005	EA		3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,383.72	68.38
11 52 16 26-0006	EA		3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	3,938.09	68.38
11 52 16 26-0007	EA		3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector.....	4,999.29	68.38
11 52 16 26-0008	EA		4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	7,945.33	68.38
11 52 16 26-0009	EA		5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	10,764.65	68.38
11 52 16 26-0010	EA		6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector.....	15,975.65	68.38
11 52 16 26-0011			Projector Mounts (11 52 16 26)		
11 52 16 26-0012			Universal Projector Mounts (11 52 16 26-0011) Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA		Flush Ceiling, Universal Projector Mount (Peerless PPF).....	314.60	75.18
11 52 16 26-0014	EA		Wall Arm, Universal Projector Mount (Peerless PWA-14).....	511.23	75.18
11 52 16 26-0015			Projector Mount Components (11 52 16 26-0011) Note: Includes ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016			Ceiling Attachment Plates For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0017	EA		Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570).....	115.10	34.17
11 52 16 26-0018	EA		Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557).....	155.45	34.17
11 52 16 26-0019	EA		I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559).....	215.19	34.17
11 52 16 26-0020	EA		Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455).....	267.42	34.17
11 52 16 26-0021			Projector Attachment Plates For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0022	EA		Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV).....	391.88	34.17
11 52 16 26-0023	EA		High Security Projector Enclosure For Projector Mounts (Peerless ALB).....	862.32	34.17
11 52 16 26-0024			Threaded Extension Columns For Projector Mounts (11 52 16 26-0015)		
11 52 16 26-0025			Fixed Length, Threaded Extension Column For Projector Mounts (11 52 16 26-0024) Note: Peerless EXT series.		
11 52 16 26-0026	EA		6" Fixed Length, Threaded Extension Column For Projector Mounts.....	67.79	10.25
11 52 16 26-0027	EA		12" Fixed Length, Threaded Extension Column For Projector Mounts.....	87.70	10.25
11 52 16 26-0028	EA		18" Fixed Length, Threaded Extension Column For Projector Mounts.....	95.17	10.25
11 52 16 26-0029	EA		24" Fixed Length, Threaded Extension Column For Projector Mounts.....	100.15	10.25
11 52 16 26-0030	EA		36" Fixed Length, Threaded Extension Column For Projector Mounts.....	119.43	13.67
11 52 16 26-0031	EA		48" Fixed Length, Threaded Extension Column For Projector Mounts.....	144.32	13.67
11 52 16 26-0032	EA		60" Fixed Length, Threaded Extension Column For Projector Mounts.....	184.15	13.67
11 52 16 26-0033	EA		72" Fixed Length, Threaded Extension Column For Projector Mounts.....	211.52	13.67
11 52 16 26-0034	EA		84" Fixed Length, Threaded Extension Column For Projector Mounts.....	248.22	17.09
11 52 16 26-0035	EA		96" Fixed Length, Threaded Extension Column For Projector Mounts.....	283.07	17.09
11 52 16 26-0036	EA		108" Fixed Length, Threaded Extension Column For Projector Mounts.....	314.79	20.50
11 52 16 26-0037	EA		120" Fixed Length, Threaded Extension Column For Projector Mounts.....	329.72	20.50
11 52 16 26-0038			Adjustable Length, Threaded Extension Columns For Projector Mounts (11 52 16 26-0024) Note: Peerless ADJ series. Adjustable at 1" increments.		
11 52 16 26-0039	EA		6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts.....	138.71	17.09
11 52 16 26-0040	EA		12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts.....	213.38	17.09

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0041 EA 18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts.....	218.35	17.09
11 52 16 26-0042 EA 24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts.....	225.82	17.09
11 52 16 26-0043 EA 36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts.....	245.10	20.50
11 52 16 26-0044 EA 48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts.....	257.54	20.50
11 52 16 26-0045 EA 60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts.....	284.92	20.50
11 52 16 26-0046 EA 72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts.....	309.81	20.50
11 52 16 26-0047 EA 84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts.....	344.03	23.92
11 52 16 26-0048 EA 96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts.....	368.92	23.92
11 52 16 26-0049 EA 108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts.....	403.13	27.34
11 52 16 26-0050 EA 120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts.....	420.55	27.34

**11 60 Entertainment and Recreation Equipment <sup>(11)</sup>**

**11 66 Athletic Equipment <sup>(11 60)</sup>**

**11 66 23 Gymnasium Equipment <sup>(11 66)</sup>**

**11 66 23 53 Wall Padding <sup>(11 66 23)</sup>**

**11 66 23 53-0001 Gymnasium Wall Padding <sup>(11 66 23 53)</sup>**

Note: Includes wall padding, 7/16" thick oriented strand board backing with or without nailing strip, vinyl cover and mounting screws. Excludes removable wall attachment fittings. See CSI section 11 66 23 53-0008 for wall attachment fittings.

11 66 23 53-0002 SF 2" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe).....	17.36	2.26
Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.		
<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>		
	6.55	
11 66 23 53-0003 SF 3" Thick, Non-Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter DuraSafe).....	23.21	2.49
Note: Includes cutting and re-upholstering wall pads to accommodate existing, e.g., lights, outlets, switches, grilles, fire alarm, etc.		
<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>		
	6.55	
11 66 23 53-0004 SF 2" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe).....	26.75	2.26
<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>		
	6.55	
11 66 23 53-0005 SF 3" Thick, NFPA 286 Fire Rated, Gymnasium Wall Padding (Porter FireSafe).....	41.81	2.49
<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>		
	6.55	
11 66 23 53-0006 SF 2" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe).....	34.13	2.26
<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>		
	6.55	
11 66 23 53-0007 SF 3" Thick, NFPA 286 Fire Rated, ASTM F2440-04 Impact Rating, Gymnasium Wall Padding (Porter SuperSafe).....	50.62	2.49
<i>For Furring Strip Installation (Vinyl Wrapped At Ends), Add</i>		
	6.55	

**11 66 23 53-0008 Gymnasium Wall Padding Accessories <sup>(11 66 23 53)</sup>**

11 66 23 53-0009 LF "Z" Wall/Panel Attachment Clips For Wall Pads.....	11.45	3.28
Note: Extruded aluminum. Typically requires two clips mounted to wall and two clips mounted to panel for a 6' high wall pad.		
11 66 23 53-0010 LF Molding Channel Wall Attachment For Wall Pads.....	17.03	3.28
Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Can be used with "Z" clip to secure top of pad.		
11 66 23 53-0011 LF Floor Molding Channel Wall Attachment For Wall Pads.....	17.74	3.28
Note: Extruded aluminum. Accepts 1" lip of wall pad at bottom of pad. Provides contoured molding strip from panel to the floor.		
11 66 23 53-0012 EA Single Or Double Gang Molded Inserts For Electrical Outlets For Wall Pads.....	57.45	

**11 66 53 Gymnasium Dividers <sup>(11 66)</sup>**

**11 66 53 11 Gymnasium Dividers <sup>(11 66 53)</sup>**

**11 66 53 11-0001 Gymnasium Dividers <sup>(11 66 53 11)</sup>**

11 66 53 11-0002 SF Gym Divider, Manual Mesh Top And Vinyl Bottom.....	9.08	1.37
11 66 53 11-0003 SF Gym Divider, Electric Roll Up Mesh Top And Vinyl Bottom.....	16.01	1.37

**11 68 Play Field Equipment and Structures <sup>(11 60)</sup>**

**11 68 13 Playground Equipment <sup>(11 68)</sup>**

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

**11 68 13 00-0001 Standalone Playground Equipment <sup>(11 68 13)</sup>**

**11 68 13 00-0002 Ground Socket For Movable Posts <sup>(11 68 13 00-0001)</sup>**

11 68 13 00-0003 PR Ground Socket For 2-3/8" Post For Playground Equipment.....	369.98	83.64
11 68 13 00-0004 PR Ground Socket For 3-1/2" Post For Playground Equipment.....	551.81	83.64

**11 68 13 00-0005 Swings <sup>(11 68 13 00-0001)</sup>**

**11 68 13 00-0006 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail <sup>(11 68 13 00-0005)</sup>**

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0007 EA 8' High Top Rail, One Section Two Seats.....	2,261.95	455.15
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	261.06	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	287.41	
11 68 13 00-0008 EA 8' High Top Rail, Two Sections Four Seats.....	3,598.73	651.31
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	417.31	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	467.12	
11 68 13 00-0009 EA 8' High Top Rail, Three Sections, Six Seats.....	4,982.98	958.38
<i>For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	577.22	
<i>For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add</i>		
	643.75	

**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0010	EA		8' High Top Rail, Four Sections, Eight Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,236.83 723.83 812.57	1,115.26
11 68 13 00-0011	EA		10' High Top Rail, One Section Two Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,405.75 279.03 312.58	455.15
11 68 13 00-0012	EA		10' High Top Rail, Two Section Four Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,769.52 435.56 481.50	693.70
11 68 13 00-0013	EA		10' High Top Rail, Three Sections, Six Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,216.19 600.71 656.26	1,077.22
11 68 13 00-0014	EA		10' High Top Rail, Four Sections, Eight Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,895.24 796.82 881.25	1,301.15
11 68 13 00-0015			<b>Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail</b> <small>(11 68 13 00-0005)</small> Note: Legs, 1-7/8" diameter, traditional.		
11 68 13 00-0016	EA		8' High Top Rail, One Section, Two Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,566.28 300.68 348.59	401.99
11 68 13 00-0017	EA		8' High Top Rail, Two Sections, Four Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,724.70 436.42 506.01	583.28
11 68 13 00-0018	EA		8' High Top Rail, Three Sections, Six Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,969.69 582.21 674.68	780.07
11 68 13 00-0019	EA		8' High Top Rail, Four Sections, Eight Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,198.65 728.36 852.38	929.39
11 68 13 00-0020	EA		10' High Top Rail, One Section, Two Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	2,893.96 339.09 393.19	453.04
11 68 13 00-0021	EA		10' High Top Rail, One Section Three Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,018.85 354.47 413.88	480.43
11 68 13 00-0022	EA		10' High Top Rail, Two Sections, Four Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,040.55 473.36 548.53	634.22
11 68 13 00-0023	EA		10' High Top Rail, Two Sections, Six Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	4,844.43 570.72 673.62	731.11
11 68 13 00-0024	EA		10' High Top Rail, Three Section, Six Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,378.34 630.10 730.26	843.76
11 68 13 00-0025	EA		10' High Top Rail, Three Sections, Nine Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,667.93 787.02 934.51	929.75
11 68 13 00-0026	EA		10' High Top Rail, Four Section, Eight Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	6,832.93 798.34 916.88	1,115.26
11 68 13 00-0027	EA		12' High Top Rail, One Section Three Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	3,154.97 370.93 434.90	492.08
11 68 13 00-0028	EA		12' High Top Rail, Two Sections, Six Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	5,130.30 603.57 709.23	791.71
11 68 13 00-0029	EA		12' High Top Rail, Three Sections, Nine Seats ..... For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	7,507.92 876.53 1,004.09	1,268.05
11 68 13 00-0030			<b>Swing Accessories</b> <small>(11 68 13 00-0005)</small>		
11 68 13 00-0031	EA		Enclosed Tot Seat With Chain And Hardware .....	732.10	37.32
11 68 13 00-0032	EA		Bucket Seat With Chain And Hardware .....	608.62	31.04
11 68 13 00-0033	EA		Belt Seat With Chain And Hardware .....	648.31	33.13
11 68 13 00-0034	EA		Seat With Chain And Hardware .....	639.49	32.64
11 68 13 00-0035	EA		Wide Seat With Chain And Hardware .....	675.02	34.49
11 68 13 00-0036	EA		Handi Seat With Chain And Hardware .....	2,015.50	102.85
11 68 13 00-0037	LF		0.4 LB/LF Replacement Chain .....	8.51	0.74
11 68 13 00-0038	LF		1 LB/LF Replacement Chain .....	15.80	1.48
11 68 13 00-0039	EA		Swing Hanger Replacement .....	92.35	8.49
11 68 13 00-0040			<b>Playground Equipment (Landscape Structures®)</b> <small>(11 68 13)</small> Note: Excludes excavation and concrete footings.		
11 68 13 00-0041			<b>Playground Equipment (Landscape Structures® PlayShaper®)</b> <small>(11 68 13 00-0040)</small> Note: Ages 2 to 5 years.		
11 68 13 00-0042	EA		EI Slide, 32" Deck (Landscape Structures® PlayShaper® 111323A) .....	3,098.16	161.39
11 68 13 00-0043	EA		SpyroSlide, 56" Height, 48" Deck (Landscape Structures® PlayShaper® 143480A) .....	7,900.75	605.21
11 68 13 00-0044	EA		Tunnel Slide, 40" Deck (Landscape Structures® PlayShaper® 128952A) .....	3,228.02	161.39
11 68 13 00-0045	EA		Double Wave Poly Slide, 48" Deck (Landscape Structures® PlayShaper® 123336A) .....	3,705.73	242.08
11 68 13 00-0046	EA		Double Swirl Slide, 48" Deck (Landscape Structures® PlayShaper® 130798A) .....	3,158.44	242.08
11 68 13 00-0047	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayShaper® 132155A) .....	2,495.22	161.39
11 68 13 00-0048	EA		Double Poly Slide, 40" To 48" Deck (Landscape Structures® PlayShaper® 132155B) .....	2,764.22	161.39
11 68 13 00-0049	EA		Lava Run Slide, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137967A) .....	2,133.46	161.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0050	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426A) .....	6,066.43	484.17
11 68 13 00-0051	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426B) .....	6,975.48	484.17
11 68 13 00-0052	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayShaper® 133426C) .....	7,504.21	484.17
11 68 13 00-0053	EA		Curved Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 123339A) .....	2,119.55	80.70
11 68 13 00-0054	EA		Single Poly Slide, 40" Deck (Landscape Structures® PlayShaper® 133668A) .....	2,179.84	161.39
11 68 13 00-0055	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117A) .....	2,898.71	242.08
11 68 13 00-0056	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117B) .....	3,223.37	242.08
11 68 13 00-0057	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayShaper® 132117C) .....	3,585.14	242.08
11 68 13 00-0058	EA		Critter Canyon Climber, 30" Or 32" Deck (Landscape Structures® PlayShaper® 137966A) .....	2,077.80	161.39
11 68 13 00-0059	EA		Thunderhead Climber, 48" Deck-To-Ground (Landscape Structures® PlayShaper® 139911A) .....	8,672.96	645.55
11 68 13 00-0060	EA		Step Deck Climber, 16" Deck (Landscape Structures® PlayShaper® 119981A) .....	1,233.68	161.39
11 68 13 00-0061	EA		Loop Ladder Climber, 40" Or 48" Deck (Landscape Structures® PlayShaper® 111364A) .....	1,275.44	80.70
11 68 13 00-0062	EA		Loop Arch Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 139262A) .....	1,948.70	201.74
11 68 13 00-0063	EA		32" Deck, Block Climber (Landscape Structures® PlayShaper® 135547A) .....	3,012.33	282.43
11 68 13 00-0064	EA		40" Deck, Block Climber (Landscape Structures® PlayShaper® 135547B) .....	3,503.96	282.43
11 68 13 00-0065	EA		32" - 40" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023A) .....	3,237.30	161.39
11 68 13 00-0066	EA		48" Deck, Cozy Climber (Landscape Structures® PlayShaper® 132023B) .....	3,478.48	161.39
11 68 13 00-0067	EA		1-Step, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021A) .....	1,614.00	161.39
11 68 13 00-0068	EA		2-Steps, With Permalene Barriers, Deck Links (Landscape Structures® PlayShaper® 153021B) .....	1,873.73	161.39
11 68 13 00-0069	EA		16" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346A) .....	833.67	67.24
11 68 13 00-0070	EA		24" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346B) .....	1,546.76	121.04
11 68 13 00-0071	EA		32" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346C) .....	2,378.09	309.33
11 68 13 00-0072	EA		40" Deck, Pod Climber (Landscape Structures® PlayShaper® 135346D) .....	2,786.24	309.33
11 68 13 00-0073	EA		32" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327A) .....	2,458.12	161.39
11 68 13 00-0074	EA		40" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327B) .....	5,187.06	161.39
11 68 13 00-0075	EA		48" Deck, Step Ladder (Landscape Structures® PlayShaper® 111327C) .....	3,617.62	161.39
11 68 13 00-0076	EA		32" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284A) .....	1,185.80	201.74
11 68 13 00-0077	EA		40" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284B) .....	1,217.45	201.74
11 68 13 00-0078	EA		48" Deck, Wiggle Ladder (Landscape Structures® PlayShaper® 123284C) .....	1,272.49	201.74
11 68 13 00-0079	EA		Overhead Events Horizontal Ladder, 16" Deck (Landscape Structures® PlayShaper® 129967A) .....	1,226.74	40.34
11 68 13 00-0080	EA		Overhead Events Horizontal Ladder End Panel, Without Posts (Landscape Structures® PlayShaper® 129968A) .....	456.83	40.34
11 68 13 00-0081	EA		Conical Climber, 40" Deck (Landscape Structures® PlayShaper® 143200A) .....	4,423.84	282.43
11 68 13 00-0082	EA		ABC Climber, 32" - 48" Deck (Landscape Structures® PlayShaper® 152432A) .....	2,330.14	201.74
11 68 13 00-0083	EA		Mini Summit Climber, 40" And 48" Decks (Landscape Structures® PlayShaper® 153077A) .....	1,401.37	67.24
11 68 13 00-0084	EA		Arch Bridge, 42" Long (Landscape Structures® PlayShaper® 111348A) .....	2,750.32	80.70
11 68 13 00-0085	EA		Phase Kit (Landscape Structures® PlayShaper® 116098A) .....	397.49	50.84
11 68 13 00-0086	EA		Belt Bridge With Permalene Barriers, 42" Long (Landscape Structures® PlayShaper® 131956A) .....	2,138.11	80.70
11 68 13 00-0087	EA		8" Deck-To-Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 111413A) .....	878.89	121.04
11 68 13 00-0088	EA		16" - 48" Decks To Ground, Ramp Exit Plate (Landscape Structures® PlayShaper® 138405A) .....	1,644.17	121.04
11 68 13 00-0089	EA		Deck-To-Deck Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132828A) .....	5,955.15	322.78
11 68 13 00-0090	EA		Deck-To-Ground Ramp With Permalene Barrier And Handrail, Excludes Posts (Landscape Structures® PlayShaper® 132844A) .....	5,955.15	322.78
11 68 13 00-0091	EA		Wire Crawl Tunnel (Landscape Structures® PlayShaper® 118099A) .....	2,717.84	161.39
11 68 13 00-0092	EA		Offset Crawl Tunnel, 8" Deck Height Difference (Landscape Structures® PlayShaper® 139268A) .....	2,049.97	161.39
11 68 13 00-0093	EA		28" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953A) .....	2,073.17	80.70
11 68 13 00-0094	EA		56" Long, Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 128953B) .....	2,676.11	80.70
11 68 13 00-0095	EA		90 Degree Curved Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 115409C) .....	2,977.57	161.39
11 68 13 00-0096	EA		C-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097A) .....	4,925.52	322.78
11 68 13 00-0097	EA		S-Straight Crawl Tunnels With Entrance Panels (Landscape Structures® PlayShaper® 118097B) .....	4,925.52	322.78
11 68 13 00-0098	EA		C-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098A) .....	4,925.52	322.78
11 68 13 00-0099	EA		S-Inclined Crawl Tunnels With Entrance Panels, 16" Deck Height Difference (Landscape Structures® PlayShaper® 118098B) .....	4,925.52	322.78
11 68 13 00-0100	EA		Bubble Panel, Enclosure (Landscape Structures® PlayShaper® 111282A) .....	939.18	40.34
11 68 13 00-0101	EA		Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111300A) .....	1,425.03	26.90
11 68 13 00-0102	EA		Chimes Panel, Enclosure (Landscape Structures® PlayShaper® 113211A) .....	1,647.65	26.90
11 68 13 00-0103	EA		Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123845A) .....	1,796.07	26.90
11 68 13 00-0104	EA		Driver Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111288A) .....	985.56	40.34
11 68 13 00-0105	EA		Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111289A) .....	775.71	26.90
11 68 13 00-0106	EA		Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 117147A) .....	2,250.59	26.90
11 68 13 00-0107	EA		Hole Panel, Enclosure (Landscape Structures® PlayShaper® 111284A) .....	618.02	26.90
11 68 13 00-0108	EA		House Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111299A) .....	735.11	40.34
11 68 13 00-0109	EA		Hourglass Panel, Enclosure (Landscape Structures® PlayShaper® 124333A) .....	1,916.66	26.90
11 68 13 00-0110	EA		Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 127684A) .....	1,208.19	40.34
11 68 13 00-0111	EA		Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayShaper® 127685A) .....	1,683.58	80.70
11 68 13 00-0112	EA		Math Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111294A) .....	1,798.38	67.24
11 68 13 00-0113	EA		Sand And Water Panel, Enclosure (Ground Level Only), Tan Dish Only (Landscape Structures® PlayShaper® 111297A) .....	1,750.83	121.04
11 68 13 00-0114	EA		Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111298A) .....	1,248.79	26.90
11 68 13 00-0115	EA		Periscope Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 118429A) .....	1,866.78	40.34
11 68 13 00-0116	EA		Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 119515A) .....	1,282.40	40.34
11 68 13 00-0117	EA		Slant Window Panel, Enclosure (Landscape Structures® PlayShaper® 111281A) .....	1,646.48	80.70
11 68 13 00-0118	EA		Storefront Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 144984A) .....	568.14	40.34
11 68 13 00-0119	EA		Spelling Panel, Enclosure, Red Discs Only (Landscape Structures® PlayShaper® 111295A) .....	1,733.45	67.24
11 68 13 00-0120	EA		Slant Entrance Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111387A) .....	1,346.16	107.60
11 68 13 00-0121	EA		Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 123484A) .....	1,601.27	26.90
11 68 13 00-0122	EA		Puppet Panel, Enclosure (Landscape Structures® PlayShaper® 111285A) .....	618.02	26.90
11 68 13 00-0123	EA		Puppet Panel With Window, Enclosure (Landscape Structures® PlayShaper® 111286A) .....	855.70	40.34
11 68 13 00-0124	EA		Zoo Panel, Enclosure (Landscape Structures® PlayShaper® 111287A) .....	618.02	26.90
11 68 13 00-0125	EA		Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayShaper® 111290A) .....	794.26	26.90
11 68 13 00-0126	EA		Table Panel, Enclosure (Ground Level Only) (Landscape Structures® PlayShaper® 111292A) .....	1,528.21	121.04
11 68 13 00-0127	EA		Tic-Tac-Toe Panel, Enclosure (Landscape Structures® PlayShaper® 111293A) .....	1,634.88	40.34
11 68 13 00-0128	EA		Bead And Block Panel Without Handles, Enclosure (Landscape Structures® PlayShaper® 111370A) .....	1,245.29	40.34
11 68 13 00-0129	EA		2 Benches, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 116120A) .....	1,204.71	67.24
11 68 13 00-0130	EA		1 Bench, 2 End Panels (Ground Level Only) (Landscape Structures® PlayShaper® 138185A) .....	703.81	67.24



**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-0131	EA		1 Bench, 1 End Panel (Ground Level Only) (Landscape Structures® PlayShaper® 138299A).....	614.52	40.34
11 68 13 00-0132	EA		Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260A).....	1,704.45	121.04
11 68 13 00-0133	EA		Balcony Deck With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayShaper® 139260B).....	1,973.46	121.04
11 68 13 00-0134	EA		Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139264A).....	562.36	26.90
11 68 13 00-0135	EA		Navigator Reach Panel (2-Color Permalene) (Landscape Structures® PlayShaper® 139266A).....	784.99	26.90
11 68 13 00-0136	EA		Curb, Accessible Reach Panel (Landscape Structures® PlayShaper® 128623A).....	167.20	26.90
11 68 13 00-0137	EA		Long Wire Barrier (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945A).....	911.36	40.34
11 68 13 00-0138	EA		Long Wire Barrier With Wheel (For 90 Degree Tri-Deck) (Landscape Structures® PlayShaper® 117945B).....	1,213.99	67.24
11 68 13 00-0139	EA		Short Wire Barrier (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946A).....	703.81	67.24
11 68 13 00-0140	EA		Short Wire Barrier With Wheel (Square, Corner And Extension Decks) (Landscape Structures® PlayShaper® 117946B).....	972.81	67.24
11 68 13 00-0141	EA		Chinning Bar Without Post (Landscape Structures® PlayShaper® 139272A).....	163.49	26.90
11 68 13 00-0142	EA		Steering Wheel (Landscape Structures® PlayShaper® 111306A).....	302.63	26.90
11 68 13 00-0143	EA		Steering Wheel With Infill Panel (Landscape Structures® PlayShaper® 111306B).....	404.67	26.90
11 68 13 00-0144	EA		Handloop (Landscape Structures® PlayShaper® 119977A).....	237.70	26.90
11 68 13 00-0145	EA		Ground Level, Talk Tubes, Attaches Next To 40" To 48" Deck Only, One Only (Landscape Structures® PlayShaper® 115198A).....	642.35	40.34
11 68 13 00-0146	EA		16" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198B).....	660.90	40.34
11 68 13 00-0147	EA		24" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198C).....	670.18	40.34
11 68 13 00-0148	EA		32" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198D).....	688.73	40.34
11 68 13 00-0149	EA		40" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198E).....	698.01	40.34
11 68 13 00-0150	EA		48" Deck, Talk Tubes, One Only (Landscape Structures® PlayShaper® 115198F).....	716.56	40.34
11 68 13 00-0151	EA		Talk Tube Tubing Kit (Landscape Structures® PlayShaper® 111362A).....	663.20	242.08
			Note: Order one talk tube tubing kit with two talk tubes (any height listed).		
11 68 13 00-0152	EA		Arch Roof (Landscape Structures® PlayShaper® 111407A).....	978.61	80.70
11 68 13 00-0153	EA		Square Poly Roof With Logo Panels (Landscape Structures® PlayShaper® 118110A).....	1,836.62	161.39
11 68 13 00-0154	EA		Square Peak Tile Roof With Logo Panels (Landscape Structures® PlayShaper® 129816A).....	2,031.42	161.39
11 68 13 00-0155	EA		Super-Square Shingle Roof With Permalene Roof Cap (Landscape Structures® PlayShaper® 130102A).....	4,164.90	161.39
11 68 13 00-0156	EA		Super-Square Shingle Roof With Poly Roof Cap (Landscape Structures® PlayShaper® 130102B).....	4,832.77	161.39
11 68 13 00-0157	EA		Square Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 111237A).....	1,056.30	67.24
11 68 13 00-0158	EA		Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayShaper® 111238A).....	1,009.92	67.24
11 68 13 00-0159	EA		Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayShaper® 111239A).....	1,028.47	67.24
11 68 13 00-0160	EA		90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayShaper® 117495A).....	827.87	40.34
11 68 13 00-0161	EA		Transfer Stations With Two Handbars (Landscape Structures® PlayShaper® 126205A).....	1,702.11	242.08
11 68 13 00-0162	EA		Transfer Stations With One Handbar (Landscape Structures® PlayShaper® 126205B).....	1,562.97	242.08
11 68 13 00-0163	EA		Transfer Stations No Handbars (Landscape Structures® PlayShaper® 126205C).....	1,442.38	242.08
11 68 13 00-0164	EA		Curb For 90 Degree Tri-Deck (Landscape Structures® PlayShaper® 139083A).....	200.60	26.90
11 68 13 00-0165	EA		8" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948A).....	178.34	26.90
11 68 13 00-0166	EA		16" Rise, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121948B).....	256.25	26.90
11 68 13 00-0167	EA		8" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949A).....	215.44	26.90
11 68 13 00-0168	EA		16" Rise, 90 Degree Tri-Deck, Kick Plates, Brown Only (Landscape Structures® PlayShaper® 121949B).....	311.91	26.90
11 68 13 00-0169	EA		To 32" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020A).....	3,172.35	322.78
11 68 13 00-0170	EA		To 40" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020B).....	3,608.33	322.78
11 68 13 00-0171	EA		To 48" Deck, Curved Transfer Module, Right Or Left Step (Landscape Structures® PlayShaper® 153020C).....	3,793.85	322.78
11 68 13 00-0172	EA		56"/SpyroSlide, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399A).....	1,878.38	80.70
11 68 13 00-0173	EA		48" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399B).....	1,841.27	80.70
11 68 13 00-0174	EA		40" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399C).....	1,822.72	80.70
11 68 13 00-0175	EA		32" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399D).....	1,794.89	80.70
11 68 13 00-0176	EA		24" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399E).....	1,767.07	80.70
11 68 13 00-0177	EA		16" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399F).....	1,748.51	80.70
11 68 13 00-0178	EA		8" Deck, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399G).....	1,729.96	80.70
11 68 13 00-0179	EA		Ground Level, Arches For Decks And/or Roofs (Landscape Structures® PlayShaper® 111399H).....	1,711.41	80.70
11 68 13 00-0180	EA		82"/48" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398A).....	429.00	40.34
11 68 13 00-0181	EA		74"/40" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398B).....	410.45	40.34
11 68 13 00-0182	EA		66"/32" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398C).....	382.62	40.34
11 68 13 00-0183	EA		58"/24" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398D).....	373.35	40.34
11 68 13 00-0184	EA		50"/16" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398E).....	364.07	40.34
11 68 13 00-0185	EA		42"/8" Deck, Flush Mount Posts For Decks (Landscape Structures® PlayShaper® 111398F).....	354.80	40.34
11 68 13 00-0186	EA		128"/SpyroSlide/SlideWinder2 Off 48" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397A).....	830.17	242.08
11 68 13 00-0187	EA		114"/48" Deck/SlideWinder2 Off 40" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397B).....	793.06	242.08
11 68 13 00-0188	EA		106"/40" Deck/SlideWinder2 Off 32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397C).....	783.79	242.08
11 68 13 00-0189	EA		98"/32" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397D).....	438.28	40.34
11 68 13 00-0190	EA		90"/24" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397E).....	429.00	40.34
11 68 13 00-0191	EA		82"/16" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397F).....	410.45	40.34
11 68 13 00-0192	EA		74"/8" Deck, Post For Decks (Landscape Structures® PlayShaper® 111397G).....	382.62	40.34
11 68 13 00-0193	EA		69"/Ground Level, Post For Decks (Landscape Structures® PlayShaper® 111397H).....	373.35	40.34
11 68 13 00-0194	EA		145"/SpyroSlide, Post For Roofs (Landscape Structures® PlayShaper® 111396A).....	503.21	40.34
11 68 13 00-0195	EA		137"/48" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396B).....	493.94	40.34
11 68 13 00-0196	EA		129"/40" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396C).....	466.11	40.34
11 68 13 00-0197	EA		121"/32" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396D).....	456.83	40.34
11 68 13 00-0198	EA		113"/24" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396E).....	447.56	40.34
11 68 13 00-0199	EA		105"/16" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396F).....	429.00	40.34
11 68 13 00-0200	EA		97"/8" Deck, Post For Roofs (Landscape Structures® PlayShaper® 111396G).....	410.45	40.34
11 68 13 00-0201	EA		89"/Ground Level, Post For Roofs (Landscape Structures® PlayShaper® 111396H).....	382.62	40.34
11 68 13 00-0202	EA		Learning Wall Arch For 10" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208A).....	2,783.87	287.26
11 68 13 00-0203	EA		Learning Wall Arch For 1" Panel Height, With Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208B).....	2,747.50	283.55
11 68 13 00-0204	EA		Learning Wall Arch For 10" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208C).....	2,238.07	231.03
11 68 13 00-0205	EA		Learning Wall Arch For 1" Panel Height Without Logo Panel (For Roof Only) (Landscape Structures® PlayShaper® 115208D).....	2,201.58	227.19
11 68 13 00-0206	EA		Learning Wall Post For 10" Panel Height (Landscape Structures® PlayShaper® 115201A).....	454.86	46.95
11 68 13 00-0207	EA		Learning Wall Post For 1" Panel Height (Landscape Structures® PlayShaper® 115201B).....	436.67	45.09
11 68 13 00-0208	EA		Learning Wall Post For Poly Roof With 10" Panel Height (Landscape Structures® PlayShaper® 115203A).....	494.90	51.04
11 68 13 00-0209	EA		Learning Wall Post For Poly Roof With 1" Panel Height (Landscape Structures® PlayShaper® 115203B).....	473.06	48.81

MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-0210	EA The Peak Natural Climber, 40" Deck (Landscape Structures® PlayShaper® 160423A).....	9,178.54	403.47
11 68 13 00-0211	EA The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayShaper® 160424A).....	4,893.05	242.08

**11 68 13 00-0212**

**Playground Equipment (Landscape Structures® Independent Pieces)** (11 68 13 00-0040)

11 68 13 00-0213	EA 9-Blocks, Block Climber (Landscape Structures® 117966A).....	4,039.64	403.47
11 68 13 00-0214	EA 12-Blocks, Block Climber (Landscape Structures® 117966B).....	4,549.82	403.47
11 68 13 00-0215	EA 116-Blocks, Block Climber (Landscape Structures® 117966C).....	5,584.18	484.17
11 68 13 00-0216	EA Spider Web Climber, CableCore Climbing Cable (Direct Bury Only) (Landscape Structures® 136159A).....	4,174.16	322.78
11 68 13 00-0217	EA 6-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150976A).....	6,658.29	537.97
11 68 13 00-0218	EA 4-Panels, Cascade Climber (Direct Bury Only) (Landscape Structures® 150977A).....	4,624.05	242.08
11 68 13 00-0219	EA Star Seeker Climber, Net Climber (Direct Bury Only) (Landscape Structures® 148041A).....	12,388.00	726.25
11 68 13 00-0220	EA Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Aluminum Posts (Landscape Structures® 144477A).....	11,103.30	484.17
11 68 13 00-0221	EA Funnel Climber, Net Climber Without Vertical Ladders, (4) Aluminum Posts (Landscape Structures® 144477B).....	8,186.01	403.47
11 68 13 00-0222	EA Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Aluminum Posts (Landscape Structures® 144477C).....	9,644.65	443.82
11 68 13 00-0223	EA Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Aluminum Posts (Landscape Structures® 144477D).....	12,561.95	524.51
11 68 13 00-0224	EA Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Aluminum Posts (Landscape Structures® 144477E).....	14,020.60	564.86
11 68 13 00-0225	EA Funnel Climber, Net Climber With 2 Vertical Ladders, (6) Steel Posts (Landscape Structures® 144477F).....	10,825.02	484.17
11 68 13 00-0226	EA Funnel Climber, Net Climber Without Vertical Ladders, (4) Steel Posts (Landscape Structures® 144477G).....	8,000.49	403.47
11 68 13 00-0227	EA Funnel Climber, Net Climber With 1 Vertical Ladder, (5) Steel Posts (Landscape Structures® 144477H).....	9,412.75	443.82
11 68 13 00-0228	EA Funnel Climber, Net Climber With 3 Vertical Ladders, (7) Steel Posts (Landscape Structures® 144477I).....	12,237.29	524.51
11 68 13 00-0229	EA Funnel Climber, Net Climber With 4 Vertical Ladders, (8) Steel Posts (Landscape Structures® 144477J).....	13,649.56	564.86
11 68 13 00-0230	EA 8", Pod Climber, One Pod Only (Landscape Structures® 120710A).....	462.63	67.24
11 68 13 00-0231	EA 16", Pod Climber, One Pod Only (Landscape Structures® 120711A).....	471.91	67.24
11 68 13 00-0232	EA 24", Pod Climber, One Pod Only (Landscape Structures® 120712A).....	481.19	67.24
11 68 13 00-0233	EA 30", Pod Climber, One Pod Only (Landscape Structures® 120713A).....	490.46	67.24
11 68 13 00-0234	EA Track Ride Curved (Landscape Structures® 118093A).....	4,508.11	161.39
11 68 13 00-0235	EA 18' Curved Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121874A).....	6,929.10	484.17
11 68 13 00-0236	EA 18' Curved Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121874B).....	6,743.58	484.17
11 68 13 00-0237	EA 10' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121648A).....	5,853.08	484.17
11 68 13 00-0238	EA 10' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121648B).....	5,482.04	484.17
11 68 13 00-0239	EA 18' Straight Track Ride, Aluminum Posts, (Direct Bury Only) (Landscape Structures® 121875A).....	6,084.98	484.17
11 68 13 00-0240	EA 18' Straight Track Ride, Steel Posts, (Direct Bury Only) (Landscape Structures® 121875B).....	5,899.46	484.17
11 68 13 00-0241	EA Playstructure Seat, TenderTuff-coated Brown (Landscape Structures® 120818A).....	589.01	80.70
11 68 13 00-0242	EA Kids In Motion, Sway Fun Glider, Brown Deck Only (Landscape Structures® 138871A).....	20,620.41	968.33
11 68 13 00-0243	EA CoolToppers Shade System, Full Sail, (Direct Bury Only) (Landscape Structures® 136759A).....	18,023.05	1,452.50
11 68 13 00-0244	EA CoolToppers Shade System, Single Post, (Direct Bury Only) (Landscape Structures® 154397A).....	6,149.87	806.94
11 68 13 00-0245	EA CoolToppers Shade System, Single Post With Cool Mistler, (Direct Bury Only) (Landscape Structures® 155071A).....	7,309.45	322.78
11 68 13 00-0246	EA CoolToppers Shade System, Single Post With Cool Mistler, (Direct Bury Only) (Landscape Structures® 155072A).....	11,919.54	806.94
11 68 13 00-0247	EA Turtle Sand Table, (2-Color Permalene), (Direct Bury Only) (Landscape Structures® 116568A).....	771.05	107.60
11 68 13 00-0248	EA Straight Crawl Tunnel (Landscape Structures® 100005A).....	2,453.47	242.08
11 68 13 00-0249	EA Curved Crawl Tunnel (Landscape Structures® 100005D).....	3,093.51	242.08
11 68 13 00-0250	EA 4' Square, SanDirect Buryoxe (Landscape Structures® 120458A).....	718.85	242.08
11 68 13 00-0251	EA SanDirect Buryoxe, Play Table Only (Landscape Structures® 120894A).....	978.58	242.08
11 68 13 00-0252	EA 8' Square, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458B).....	1,446.98	484.17
11 68 13 00-0253	EA 8' Square, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458C).....	2,012.82	484.17
11 68 13 00-0254	EA 8' L-Shaped, SanDirect Buryoxe Without Play Table (Landscape Structures® 120458D).....	1,446.98	484.17
11 68 13 00-0255	EA 8' L-Shaped, SanDirect Buryoxe With Play Table, (Direct Bury Only) (Landscape Structures® 120458E).....	2,012.82	484.17
11 68 13 00-0256	EA Splash Circuit Sand And Water Station, Direct Bury (Landscape Structures® 126202A).....	6,029.30	645.55
11 68 13 00-0257	EA Splash Circuit Sand And Water Station, Surface Mount (Landscape Structures® 126202B).....	5,806.70	484.17
11 68 13 00-0258	EA Talk Tubes, Complete With (2) 2-3/8" Square Aluminum Posts, Ground Level, (Direct Bury Only) (Landscape Structures® 113931A).....	2,699.28	322.78
11 68 13 00-0259	EA Clear Paint Panel, Surface Mount (Landscape Structures® 112621A).....	1,071.37	80.70
11 68 13 00-0260	EA Clear Paint Panel, Direct Bury (Landscape Structures® 112621B).....	953.10	121.04
11 68 13 00-0261	EA Dino Climber, Direct Bury (Landscape Structures® 100122A).....	15,305.30	645.55
11 68 13 00-0262	EA Dino Climber, Surface Mount (Landscape Structures® 100122B).....	15,903.63	564.86
11 68 13 00-0263	EA Sand Table, (3) Steel Posts, Direct Bury (Landscape Structures® 136233B).....	4,359.65	484.17
11 68 13 00-0264	EA Sand Table, (3) Aluminum Posts, Direct Bury (Landscape Structures® 136233A).....	4,461.68	484.17
11 68 13 00-0265	EA Wiggle Worm Crawl Tunnel With 2-Color Permalene Head (Landscape Structures® 120418A).....	5,199.14	403.47
11 68 13 00-0266	EA Wiggle Worm Crawl Tunnel Without 2-Color Permalene Head (Landscape Structures® 120418B).....	3,663.98	322.78
11 68 13 00-0267	EA Kids In Motion, Saddle Spinner (Landscape Structures® 152179A).....	1,553.72	80.70
11 68 13 00-0268	EA Kids In Motion, Log Roll With Aluminum Posts (Landscape Structures® 100027A).....	2,309.70	161.39
11 68 13 00-0269	EA Kids In Motion, Log Roll, Tan Log Only, (2) Steel Posts (Landscape Structures® 100027B).....	2,216.94	161.39
11 68 13 00-0270	EA Kids In Motion, Spring Pod Bouncer, Sold Individually Per Pod (Landscape Structures® 120876A).....	620.33	67.24
11 68 13 00-0271	EA Kids In Motion, SpringRing Bouncer, (Brown Ring Only, Avail. for Direct Bury Only) (Landscape Structures® 117961A).....	8,264.82	645.55
11 68 13 00-0272	EA Kids In Motion, Spring Platform With Handhold, Brown Platform, Tan Handhold* (Landscape Structures® 125059A).....	3,014.63	484.17
11 68 13 00-0273	EA Kids In Motion, Spring Platform Without Handhold, Brown Platform* (Landscape Structures® 125059B).....	2,829.11	484.17
11 68 13 00-0274	EA Kids In Motion, Spring Platform With Post, Brown Platform, Tan Post* (Landscape Structures® 125059C).....	3,515.53	484.17
11 68 13 00-0275	EA Kids In Motion, Stand-Up Spinner, (Direct Bury Only) (Landscape Structures® 155077A).....	2,267.97	80.70
11 68 13 00-0276	EA Orbiter Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 153589A).....	3,204.82	242.08
11 68 13 00-0277	EA Orbiter2 Spinner, Steel Post, (Avail. for Direct Bury Only) (Landscape Structures® 154358A).....	5,741.81	322.78
11 68 13 00-0278	EA Orbiter3 Spinner, Steel Post, (Direct Bury Only) (Landscape Structures® 154359A).....	8,269.49	403.47
11 68 13 00-0279	EA Stand-Up Seesaw, Direct Bury (Landscape Structures® 148638A).....	3,348.61	161.39
11 68 13 00-0280	EA Stand-Up Seesaw, Surface Mount (Landscape Structures® 148638B).....	2,894.09	161.39
11 68 13 00-0281	EA 2-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148636A).....	3,701.10	161.39
11 68 13 00-0282	EA 2-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148636B).....	3,200.20	161.39
11 68 13 00-0283	EA 4-Seat Seesaw, Direct Bury, Without Color Options On Permalene (Landscape Structures® 148637A).....	4,461.73	161.39
11 68 13 00-0284	EA 4-Seat Seesaw, Surface Mount, Without Color Options On Permalene (Landscape Structures® 148637B).....	3,979.38	161.39
11 68 13 00-0285	EA Seesaw Back Support, With Seat Strap* (Landscape Structures® 148706A).....	423.22	26.90
11 68 13 00-0286	EA Seesaw Back Support, without Seat Strap (Landscape Structures® 148706B).....	349.01	26.90
11 68 13 00-0287	EA Stationary Cyclor, SuperScoop, (Direct Bury Only) (Landscape Structures® 123831A).....	1,625.59	201.74
11 68 13 00-0288	EA Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Surface Mount (Landscape Structures® 123832A).....	1,435.45	121.04
11 68 13 00-0289	EA Stationary Cyclor, SuperScoop, Wheelchair-Accessible, Direct Bury (Landscape Structures® 123832B).....	1,514.28	201.74



## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0290	EA		Motorcycle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100013B).....	2,212.29	242.08
11 68 13 00-0291	EA		Motorcycle Back Supports With Seat Strap (Landscape Structures® 123711A).....	339.74	26.90
11 68 13 00-0292	EA		Motorcycle Back Supports Without Seat Strap (Landscape Structures® 123711B).....	284.08	26.90
11 68 13 00-0293	EA		Turtle TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100014B).....	1,866.77	201.74
11 68 13 00-0294	EA		Bird TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,906.18	242.08
11 68 13 00-0295	EA		Horse TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100015B).....	1,887.63	242.08
11 68 13 00-0296	EA		Car TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100017B).....	2,212.29	242.08
11 68 13 00-0297	EA		RhinoDino TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100123B).....	1,848.22	201.74
11 68 13 00-0298	EA		T-Rex TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 100124B).....	1,887.63	242.08
11 68 13 00-0299	EA		2-Seat Airplane Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 120871A).....	2,780.43	282.43
11 68 13 00-0300	EA		2-Seat Airplane Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 120871B).....	2,898.71	242.08
11 68 13 00-0301	EA		2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 126378A).....	2,529.98	282.43
11 68 13 00-0302	EA		2-Seat Fire Engine Rider TuffRiders, With Coil Spring, Direct Bury (Landscape Structures® 126378B).....	2,638.99	242.08
11 68 13 00-0303	EA		Motorcycle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100013A).....	1,903.87	201.74
11 68 13 00-0304	EA		Turtle TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100014A).....	1,549.07	161.39
11 68 13 00-0305	EA		Bird TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100015A).....	1,588.49	201.74
11 68 13 00-0306	EA		Horse TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100016A).....	1,569.94	201.74
11 68 13 00-0307	EA		Car TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100017A).....	1,903.87	201.74
11 68 13 00-0308	EA		RhinoDino TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100123A).....	1,539.79	161.39
11 68 13 00-0309	EA		T-Rex TuffRiders, With Coil Spring, Surface Mount (Landscape Structures® 100124A).....	1,569.94	201.74
11 68 13 00-0310	EA		Zebra Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135534B).....	1,950.25	201.74
11 68 13 00-0311	EA		Sea Horse Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135535B).....	2,080.12	201.74
11 68 13 00-0312	EA		Dolphin Whimsy Riders, With Coil Spring, Direct Bury (Landscape Structures® 135536B).....	1,987.36	201.74
11 68 13 00-0313	EA		Zebra Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135534A).....	1,651.10	161.39
11 68 13 00-0314	EA		Sea Horse Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135535A).....	1,771.69	161.39
11 68 13 00-0315	EA		Dolphin Whimsy Riders, With Coil Spring, Surface Mount (Landscape Structures® 135536A).....	1,688.21	161.39
11 68 13 00-0316	EA		SpyroSlide, Poly, 72" Deck (Landscape Structures® 115366A).....	12,067.94	968.33
11 68 13 00-0317	EA		40" Poly Slide, 40" Deck (Landscape Structures® 100046A).....	6,414.29	403.47
11 68 13 00-0318	EA		Wave Poly Slide, 72" Deck (Landscape Structures® 100046C).....	7,731.49	403.47
11 68 13 00-0319	EA		Fire Engine, Colors As Shown Only, (Direct Bury Only) (Landscape Structures® 148640A).....	23,579.36	1,613.89
11 68 13 00-0320	EA		Double Humpty Climber (Direct Bury Only) (Landscape Structures® 100037A).....	4,062.85	322.78
11 68 13 00-0321	EA		Single Humpty Climber (Direct Bury Only) (Landscape Structures® 100037B).....	2,249.39	242.08
11 68 13 00-0322	EA		12-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150638A).....	44,329.63	2,582.22
11 68 13 00-0323	EA		7-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150637A).....	24,581.12	1,936.66
11 68 13 00-0324	EA		6-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150636A).....	22,345.61	1,936.66
11 68 13 00-0325	EA		3-Panel, Mobius Climber (Direct Bury Only) (Landscape Structures® 150635A).....	10,583.82	645.55
11 68 13 00-0326	EA		4', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038A).....	1,537.48	121.04
11 68 13 00-0327	EA		6', Rainbow Climber (Direct Bury Only) (Landscape Structures® 100038B).....	1,713.73	121.04
11 68 13 00-0328	EA		Sky Rail Climber, Independent Climber (Direct Bury Only) (Landscape Structures® 146813A).....	5,482.04	484.17
11 68 13 00-0329	EA		4'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040A).....	1,166.44	121.04
11 68 13 00-0330	EA		6'-High, Vertical Pipe Climber (Direct Bury Only) (Landscape Structures® 100040B).....	1,259.20	121.04
11 68 13 00-0331	EA		Arch Belt Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 100050A).....	5,341.02	645.55
11 68 13 00-0332	EA		Arch Belt Swing, 2-Place, Uncoated Chain (Landscape Structures® 100050C).....	5,185.19	645.55
11 68 13 00-0333	EA		Arch Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 111579A).....	3,337.47	322.78
11 68 13 00-0334	EA		Arch Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 111579C).....	3,181.63	322.78
11 68 13 00-0335	EA		Single Post Swing, 2-Place, Uncoated Chain (Landscape Structures® 122837A).....	2,801.28	484.17
11 68 13 00-0336	EA		Single Post Swing, 2-Place, TenderTuff-coated Chain (Landscape Structures® 122837B).....	2,957.12	484.17
11 68 13 00-0337	EA		Single Post Swing, Additional 2 PL Bay, Uncoated Chain (Landscape Structures® 122838A).....	1,980.39	242.08
11 68 13 00-0338	EA		Single Post Swing, Additional 2 PL Bay, TenderTuff-coated Chain (Landscape Structures® 122838B).....	2,136.23	242.08
11 68 13 00-0339	EA		Single Post Swing, 2-Place, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140769A).....	3,200.15	484.17
11 68 13 00-0340	EA		Single Post Swing, 2-Place, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140769B).....	3,355.98	484.17
11 68 13 00-0341	EA		Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 140770A).....	2,379.26	242.08
11 68 13 00-0342	EA		Single Post Swing, Additional 2 PL Bay, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 140770B).....	2,535.09	242.08
11 68 13 00-0343	EA		Toddler Swing Add-On, With (1) Full-Bucket Seat, Without Post (Landscape Structures® 151852A).....	1,182.68	80.70
11 68 13 00-0344	EA		Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 120891A).....	6,094.24	645.55
11 68 13 00-0345	EA		Additional Bay, Arch Tire Swing, TenderTuff-coated Chain (Landscape Structures® 139188A).....	4,229.82	322.78
11 68 13 00-0346	EA		4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Posts (Landscape Structures® 120892B).....	5,556.23	645.55
11 68 13 00-0347	EA		Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Posts (Landscape Structures® 141458B).....	3,561.95	322.78
11 68 13 00-0348	EA		Toddler Swing, With (2) Full-Bucket Seats (Landscape Structures® 117962B).....	2,764.21	322.78
11 68 13 00-0349	EA		Curved Balance Beam (Landscape Structures® 100041A).....	1,160.64	107.60
11 68 13 00-0350	EA		Drop Shot, (Direct Bury Only) (Landscape Structures® 100042A).....	2,061.57	201.74
11 68 13 00-0351	EA		Basketball Outfit, 6' Offset, Fan Permalene Backboard, Chain Net (Landscape Structures® 116947A).....	4,359.68	322.78
11 68 13 00-0352	EA		Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Chain Net (Landscape Structures® 116947B).....	4,860.59	322.78
11 68 13 00-0353	EA		Basketball Outfit, 6' Offset, Fan Permalene Backboard, Nylon Net (Landscape Structures® 116947C).....	4,350.41	322.78
11 68 13 00-0354	EA		Basketball Outfit, 6' Offset, Rectangular Permalene Backboard, Nylon Net (Landscape Structures® 116947D).....	4,851.31	322.78
11 68 13 00-0355	EA		FitCore Outdoor Fitness Equipment With Aluminum Posts, (Direct Bury Only) (Landscape Structures® 123722A).....	21,946.62	2,904.99
11 68 13 00-0356	EA		FitCore Outdoor Fitness Equipment With Steel Posts, (Direct Bury Only) (Landscape Structures® 123722B).....	21,334.41	2,904.99
11 68 13 00-0357	EA		Fitness Cluster With Steel Posts (Landscape Structures® 120874B).....	13,811.69	1,936.66
11 68 13 00-0358	EA		Fitness Cluster With Aluminum Posts (Landscape Structures® 120874A).....	14,071.41	1,936.66
11 68 13 00-0359	EA		Aluminum Posts, Climbing Wall (Landscape Structures® 153354A).....	3,079.59	322.78
11 68 13 00-0360	EA		Steel Posts, Climbing Wall (Landscape Structures® 153354B).....	2,986.83	322.78
11 68 13 00-0361	EA		30" Galvanized Stake, TuffTimber Edgers (Landscape Structures® 100626A).....	29.21	13.44
11 68 13 00-0362	EA		TuffTimber, 4' Length, TuffTimber Edgers, Black Only (Landscape Structures® 119214A).....	89.98	13.44
11 68 13 00-0363	EA		TuffTimbers Access Wedge, TuffTimber Edgers, Black Only (Landscape Structures® 130799A).....	1,081.82	26.90
11 68 13 00-0364	EA		Age Appropriate Fitness Sign, Ages 12 And Over (Landscape Structures® 114483A).....	605.25	40.34
11 68 13 00-0365	EA		Age Appropriate Fitness Sign, Ages 5 to 12 (Landscape Structures® 114484A).....	605.25	40.34
11 68 13 00-0366	EA		Accessible Playground Sign, With 2-3/8" Post (Landscape Structures® 100103A).....	568.14	40.34
11 68 13 00-0367	EA		Age Appropriate Sign, With PlayShaper Posts, Optional Name* (Landscape Structures® 100104A).....	1,152.53	40.34
11 68 13 00-0368	EA		Age Appropriate Sign, With PlayShaper Posts, 2 - 5 Years* (Landscape Structures® 100105A).....	976.29	40.34
11 68 13 00-0369	EA		Age Appropriate Sign, With PlayShaper Posts, 5 - 12 Years* (Landscape Structures® 100106A).....	976.29	40.34
11 68 13 00-0370	EA		Flat Molded Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100052A).....	330.46	26.90
11 68 13 00-0371	EA		Molded Bucket Seat (Specify Color), Swing Accessories (Excludes Chain) (Landscape Structures® 100054A).....	830.19	80.70

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0372	EA			Full-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 100055A).....	429.00	40.34
11 68 13 00-0373	EA			Half-Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 112228A) .....	410.45	40.34
11 68 13 00-0374	EA			Slash-Proof Belt Seat, Swing Accessories (Landscape Structures® 132385A) .....	135.67	26.90
11 68 13 00-0375	EA			Seat Strap for Molded Bucket Seat, Swing Accessories (Excludes Chain) (Landscape Structures® 111416A) .....	128.25	26.90
11 68 13 00-0376	LF			TuffTurf Geotextile Fabric, (12 1/2' Wide Roll), Order an Additional 20% for Overlap/Waste, per LF (Landscape Structures® 109694A).....	11.83	4.03
11 68 13 00-0377	EA			TuffTurf Adhesive 10.6 oz. Tube, (Approximate Coverage: 3 Tiles per Tube) (Landscape Structures® 114513A).....	13.45	
11 68 13 00-0378	EA			Rider, Direct Bury Leg, Concrete, (Direct Bury Only) (Landscape Structures® 115381A) .....	317.69	40.34
11 68 13 00-0379	EA			Mesh SanDirect Buryox Cover, 4' Square (Landscape Structures® 120530A) .....	107.84	20.17
11 68 13 00-0380	EA			Mesh SanDirect Buryox Cover, 8' Square (Landscape Structures® 120530B) .....	364.07	40.34
11 68 13 00-0381	EA			Mesh SanDirect Buryox Cover, 8' L-Shaped (Landscape Structures® 120530C) .....	308.42	40.34
11 68 13 00-0382	EA			4-Post Tire Swing, TenderTuff-coated Chain, (4) Posts With Crossovers, Steel Beam And Aluminum Posts (Landscape Structures® 120892A) .....	5,203.80	322.78
11 68 13 00-0383	EA			TuffTurf Tiles - 3' x 3' x 1-1/2", Square (Landscape Structures® 122868A) .....	191.32	20.17
11 68 13 00-0384	EA			TuffTurf Tiles - 3' x 3' x 1-1/2", 1-Bevel (Landscape Structures® 122868B).....	191.32	20.17
11 68 13 00-0385	EA			TuffTurf Tiles - 3' x 3' x 1-1/2", 2-Bevel (Landscape Structures® 122868C).....	191.32	20.17
11 68 13 00-0386	EA			TuffTurf Tiles - 3' x 3' x 1-1/2", 3-Bevel (Landscape Structures® 122868D).....	191.32	20.17
11 68 13 00-0387	EA			TuffTurf Tiles - 3' x 3' x 1-1/2", 4-Bevel (Landscape Structures® 122868E).....	191.32	20.17
11 68 13 00-0388	EA			TuffTurf Tiles - 3' x 3' x 1-1/2", Corner Bevel (Landscape Structures® 122868F) .....	191.32	20.17
11 68 13 00-0389	EA			Rider, 4-Bevel TuffTurf Tile, With Hole, For TuffRiders And Whimsy Riders * (Landscape Structures® 122869A).....	200.60	20.17
11 68 13 00-0390	EA			1-Place, Surge Swing, Uncoated Chain (Landscape Structures® 127680A) .....	2,690.02	161.39
11 68 13 00-0391	EA			1-Place, Surge Swing, TenderTuff-coated Chain (Landscape Structures® 127680B) .....	2,767.93	161.39
11 68 13 00-0392	EA			TuffTurf Adhesive 1 Gallon (Approximate Coverage: 15 Tiles per Gallon) (Landscape Structures® 128036A) .....	92.76	
11 68 13 00-0393	EA			1-Place, Surge Swing, Anti-Wrap Hangers, Uncoated Chain (Landscape Structures® 139910A) .....	2,884.81	161.39
11 68 13 00-0394	EA			1-Place, Surge Swing, Anti-Wrap Hangers, TenderTuff-coated Chain (Landscape Structures® 139910B) .....	2,962.73	161.39
11 68 13 00-0395	EA			Additional Bay, 4-Post Tire Swing, TenderTuff-coated Chain, (2) Posts With Crossover, Steel Beam And Aluminum Posts (Landscape Structures® 141458A) .....	3,520.21	242.08
11 68 13 00-0396	EA			The Pinnacle Natural Climber (Landscape Structures® 156065A).....	28,226.73	968.33
11 68 13 00-0397	EA			The Pointe Natural Climber (Landscape Structures® 156067A) .....	15,982.45	645.55
11 68 13 00-0398	EA			Hemisphere Climber With Single Arch, Independent Climber (Landscape Structures® 156435A) .....	15,982.45	645.55
11 68 13 00-0399	EA			5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157107A).....	2,207.66	161.39
11 68 13 00-0400	EA			5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157107B).....	2,363.50	161.39
11 68 13 00-0401	EA			5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157107C).....	2,448.84	161.39
11 68 13 00-0402	EA			5000 Series Swing, 8'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157107D).....	2,604.68	161.39
11 68 13 00-0403	EA			5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157108A).....	1,266.16	80.70
11 68 13 00-0404	EA			5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157108B).....	1,422.00	80.70
11 68 13 00-0405	EA			5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157108C).....	1,349.65	80.70
11 68 13 00-0406	EA			5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157108D).....	1,505.48	80.70
11 68 13 00-0407	EA			5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157109A).....	2,300.42	161.39
11 68 13 00-0408	EA			5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157109B).....	2,537.89	161.39
11 68 13 00-0409	EA			5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157109C).....	2,541.60	161.39
11 68 13 00-0410	EA			5000 Series Swing, 10'-High Beam, 2-Place, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157109D).....	2,779.07	161.39
11 68 13 00-0411	EA			5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157110A).....	1,340.37	80.70
11 68 13 00-0412	EA			5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157110B).....	1,712.33	161.39
11 68 13 00-0413	EA			5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157110C).....	1,423.85	80.70
11 68 13 00-0414	EA			5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157110D).....	1,795.81	161.39
11 68 13 00-0415	EA			5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157111A).....	2,393.18	161.39
11 68 13 00-0416	EA			5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157111B).....	2,549.02	161.39
11 68 13 00-0417	EA			5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157111C).....	2,634.36	161.39
11 68 13 00-0418	EA			5000 Series Swing, 8'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157111D).....	2,790.20	161.39
11 68 13 00-0419	EA			5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157112A).....	1,442.41	80.70
11 68 13 00-0420	EA			5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157112B).....	1,732.73	161.39
11 68 13 00-0421	EA			5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157112C).....	1,525.89	80.70
11 68 13 00-0422	EA			5000 Series Swing, Additional 2 PL Bay, 8'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157112D).....	1,816.22	161.39
11 68 13 00-0423	EA			5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157113A).....	2,485.94	161.39
11 68 13 00-0424	EA			5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157113B).....	2,723.41	161.39
11 68 13 00-0425	EA			5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157113C).....	2,727.12	161.39
11 68 13 00-0426	EA			5000 Series Swing, 10'-High Beam, 2-Place, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157113D).....	2,964.59	161.39
11 68 13 00-0427	EA			5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, Uncoated Chain (Landscape Structures® 157114A).....	1,525.89	80.70

**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment and Structures**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
11 68 13 00-0428	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Galvanized Legs, TenderTuff-coated Chain (Landscape Structures® 157114B).....	1,897.85	161.39
11 68 13 00-0429	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, Uncoated Chain (Landscape Structures® 157114C).....	1,743.86	161.39
11 68 13 00-0430	EA	5000 Series Swing, Additional 2 PL Bay, 10'-High Beam, Anti-Wrap Hangers, Powdercoated Beam And Legs, TenderTuff-coated Chain (Landscape Structures® 157114D).....	1,981.33	161.39
11 68 13 00-0431	EA	Motorcycle TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157286A).....	2,207.66	161.39
11 68 13 00-0432	EA	Motorcycle TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157286B).....	2,448.84	161.39
11 68 13 00-0433	EA	T-Rex TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157287A).....	1,873.73	161.39
11 68 13 00-0434	EA	T-Rex TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157287B).....	2,124.18	161.39
11 68 13 00-0435	EA	Bird TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157288A).....	1,892.28	161.39
11 68 13 00-0436	EA	Bird TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157288B).....	2,142.73	161.39
11 68 13 00-0437	EA	Horse TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157289A).....	1,873.73	161.39
11 68 13 00-0438	EA	Horse TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157289B).....	2,124.18	161.39
11 68 13 00-0439	EA	Car TuffRiders, With Torsion Spring, Surface Mount (Landscape Structures® 157290A).....	2,207.66	161.39
11 68 13 00-0440	EA	Car TuffRiders, With Torsion Spring, Direct Bury (Landscape Structures® 157290B).....	2,448.84	161.39
11 68 13 00-0441	EA	Zebra Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157291A).....	2,031.42	161.39
11 68 13 00-0442	EA	Zebra Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157291B).....	2,254.04	161.39
11 68 13 00-0443	EA	Sea Horse Whimsy Riders, With Torsion Spring, Surface Mount (Landscape Structures® 157292A).....	2,142.73	161.39
11 68 13 00-0444	EA	Sea Horse Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157292B).....	2,383.91	161.39
11 68 13 00-0445	EA	Dolphin Whimsy Riders, With Torsion Spring, SM (Landscape Structures® 157293A).....	2,059.25	161.39
11 68 13 00-0446	EA	Dolphin Whimsy Riders, With Torsion Spring, Direct Bury (Landscape Structures® 157293B).....	2,291.15	161.39
11 68 13 00-0447	EA	Kids In Motion, Wobble Pod Bouncer, (Direct Bury Only) (Landscape Structures® 158105A).....	2,133.46	161.39
11 68 13 00-0448	EA	Chatter Noodle Kit, (2) Noodle Posts And Tubing, (Direct Bury Only) (Landscape Structures® 158106A).....	2,931.19	161.39
11 68 13 00-0449	EA	8" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108A).....	1,442.41	80.70
11 68 13 00-0450	EA	16" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108B).....	1,451.68	80.70
11 68 13 00-0451	EA	24" Pod, Noodle Pod Steps With One E-Pod Step, (Direct Bury Only) (Landscape Structures® 158108C).....	1,460.96	80.70
11 68 13 00-0452	EA	Single, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426A).....	2,634.36	161.39
11 68 13 00-0453	EA	Double, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426B).....	4,522.01	242.08
11 68 13 00-0454	EA	Triple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426C).....	6,817.82	322.78
11 68 13 00-0455	EA	Quadruple, Starburst Climber (Direct Bury Only) (Landscape Structures® 158426D).....	8,501.39	403.47
11 68 13 00-0456	EA	10", Pod Climber, One Pod Only (Landscape Structures® 158997A).....	429.00	40.34
11 68 13 00-0457	EA	20", Pod Climber, One Pod Only (Landscape Structures® 158998A).....	447.56	40.34
11 68 13 00-0458	EA	CoolToppers Shade System, Super Pyramid, 30' x 30', 13'-9" Entrance Height, (Direct Bury Only) (Landscape Structures® 159873A).....	14,869.33	645.55
11 68 13 00-0459	EA	CoolToppers Shade System, Pyramid, 18' x 18', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881A).....	7,856.73	322.78
11 68 13 00-0460	EA	CoolToppers Shade System, Pyramid, 18' x 18', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881B).....	8,130.35	403.47
11 68 13 00-0461	EA	CoolToppers Shade System, Pyramid, 18' x 18', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159881C).....	8,260.22	403.47
11 68 13 00-0462	EA	CoolToppers Shade System, Pyramid, 24' x 24', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882A).....	10,022.66	403.47
11 68 13 00-0463	EA	CoolToppers Shade System, Pyramid, 24' x 24', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882B).....	10,152.52	403.47
11 68 13 00-0464	EA	CoolToppers Shade System, Pyramid, 24' x 24', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159882C).....	10,300.94	403.47
11 68 13 00-0465	EA	CoolToppers Shade System, Pyramid, 28' x 28', 8' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883A).....	12,726.60	484.17
11 68 13 00-0466	EA	CoolToppers Shade System, Pyramid, 28' x 28', 10' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883B).....	12,875.02	484.17
11 68 13 00-0467	EA	CoolToppers Shade System, Pyramid, 28' x 28', 12' Entrance Height, (Direct Bury Only) (Landscape Structures® 159883C).....	13,014.16	484.17
11 68 13 00-0468	EA	Stationary Cyclus, Pedals Only, With Grab Bar, With Aluminum Posts (Landscape Structures® 160055A).....	2,411.74	161.39
11 68 13 00-0469	EA	Stationary Cyclus, Handles Only, With Aluminum Posts (Landscape Structures® 160055B).....	2,087.08	161.39
11 68 13 00-0470	EA	Stationary Cyclus, Pedals And Handles, With Aluminum Posts (Landscape Structures® 160055C).....	2,996.12	161.39
11 68 13 00-0471	EA	Stationary Cyclus, Handles Only, Accessible, With Aluminum Posts (Landscape Structures® 160055D).....	2,087.08	161.39
11 68 13 00-0472	EA	Stationary Cyclus, Pedals Only, With Grab Bar, With Steel Posts (Landscape Structures® 160055E).....	2,356.08	161.39
11 68 13 00-0473	EA	Stationary Cyclus, Handles Only, With Steel Posts (Landscape Structures® 160055F).....	2,031.42	161.39
11 68 13 00-0474	EA	Stationary Cyclus, Pedals And Handles, With Steel Posts (Landscape Structures® 160055G).....	2,940.47	161.39
11 68 13 00-0475	EA	Stationary Cyclus, Handles Only, Accessible, With Steel Posts (Landscape Structures® 160055H).....	2,031.42	161.39
11 68 13 00-0476	EA	Single, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160315A).....	3,529.48	242.08
11 68 13 00-0477	EA	Single, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160315B).....	3,473.83	242.08
11 68 13 00-0478	EA	Double, Gyro Twister Spinner, Aluminum Posts (Landscape Structures® 160316A).....	6,029.36	322.78
11 68 13 00-0479	EA	Double, Gyro Twister Spinner, Steel Posts (Landscape Structures® 160316B).....	5,973.71	322.78
11 68 13 00-0480	EA	The Peak Natural Climber (Landscape Structures® 160418A).....	8,705.47	403.47
11 68 13 00-0481	EA	The Stepper Natural Climbing Stone (Landscape Structures® 160419A).....	4,419.98	242.08
11 68 13 00-0482	EA	Double Escalator Climber, Independent Climber, Steel Posts, (Direct Bury Only) (Landscape Structures® 160692A).....	10,764.74	403.47
11 68 13 00-0483	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Direct Bury (Landscape Structures® 161309A).....	7,949.49	322.78
11 68 13 00-0484	EA	HealthBeat Outdoor Fitness System, Chest/Back Press, Surface Mount (Landscape Structures® 161309B).....	7,541.35	322.78
11 68 13 00-0485	EA	HealthBeat Outdoor Fitness System, Squat Press, Direct Bury (Landscape Structures® 161310A).....	7,949.49	322.78
11 68 13 00-0486	EA	HealthBeat Outdoor Fitness System, Squat Press, Surface Mount (Landscape Structures® 161310B).....	7,541.35	322.78
11 68 13 00-0487	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Direct Bury (Landscape Structures® 161311A).....	4,317.94	242.08
11 68 13 00-0488	EA	HealthBeat Outdoor Fitness System, Tai Chi Wheels, Surface Mount (Landscape Structures® 161311B).....	3,900.52	242.08
11 68 13 00-0489	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Direct Bury (Landscape Structures® 161312A).....	9,939.17	403.47
11 68 13 00-0490	EA	HealthBeat Outdoor Fitness System, Cardio Stepper, Surface Mount (Landscape Structures® 161312B).....	9,531.03	403.47
11 68 13 00-0491	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Direct Bury (Landscape Structures® 161313A).....	3,900.52	242.08
11 68 13 00-0492	EA	HealthBeat Outdoor Fitness System, Pull-Up/Dip, Surface Mount (Landscape Structures® 161313B).....	3,492.38	242.08
11 68 13 00-0493	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Direct Bury (Landscape Structures® 161314A).....	3,798.49	242.08
11 68 13 00-0494	EA	HealthBeat Outdoor Fitness System, Ab Crunch/Leg Lift, Surface Mount (Landscape Structures® 161314B).....	3,492.38	242.08
11 68 13 00-0495	EA	HealthBeat Outdoor Fitness System, Balance Steps, Direct Bury (Landscape Structures® 161315A).....	4,522.01	242.08
11 68 13 00-0496	EA	HealthBeat Outdoor Fitness System, Balance Steps, Surface Mount (Landscape Structures® 161315B).....	4,726.09	242.08
11 68 13 00-0497	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Direct Bury (Landscape Structures® 161316A).....	3,594.41	242.08
11 68 13 00-0498	EA	HealthBeat Outdoor Fitness System, Assisted RoWith Push-Up, Surface Mount (Landscape Structures® 161316B).....	3,492.38	242.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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11 68 13 00-0499	EA		HealthBeat Outdoor Fitness System, Plyometrics, Direct Bury (Landscape Structures® 161317A) .....	4,522.01	242.08
11 68 13 00-0500	EA		HealthBeat Outdoor Fitness System, Plyometrics, Surface Mount (Landscape Structures® 161317B) .....	4,726.09	242.08
11 68 13 00-0501	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Direct Bury (Landscape Structures® 161437A) .....	1,706.76	161.39
11 68 13 00-0502	EA		HealthBeat Outdoor Fitness System, Welcome Intro Sign, Surface Mount (Landscape Structures® 161437B) .....	1,164.13	80.70
11 68 13 00-0503	EA		Global Releaf Sign With Frame (Landscape Structures® 162617A) .....	1,043.54	80.70
11 68 13 00-0504	EA		Single, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164074A) .....	1,340.37	80.70
11 68 13 00-0505	EA		Single, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164074B) .....	1,725.31	161.39
11 68 13 00-0506	EA		Double, Bobble Riders With Coil Spring, Surface Mount (Landscape Structures® 164075A) .....	2,587.98	161.39
11 68 13 00-0507	EA		Double, Bobble Riders With Coil Spring, Direct Bury (Landscape Structures® 164075B) .....	2,773.50	161.39
11 68 13 00-0508	EA		16" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157A) .....	1,994.32	161.39
11 68 13 00-0509	EA		24" Pod, Noodle Pod Steps With Two E-Pod Steps, (Direct Bury Only) (Landscape Structures® 164157B) .....	2,012.87	161.39

**11 68 13 00-0510 Playground Equipment (Landscape Structures® PlayBooster®)** (11 68 13 00-0040)

11 68 13 00-0511	EA		116" Aluminum Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273A) .....	1,864.45	161.39
11 68 13 00-0512	EA		Log Roll, (1) Aluminum Post, Tan Log Only (Landscape Structures® PlayBooster® 111356A) .....	1,994.32	161.39
11 68 13 00-0513	EA		Chinning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357A) .....	802.36	80.70
11 68 13 00-0514	EA		Turning Bar, (1) Aluminum Post (Landscape Structures® PlayBooster® 111357B) .....	765.26	80.70
11 68 13 00-0515	EA		182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403A) .....	605.25	40.34
11 68 13 00-0516	EA		174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403B) .....	595.97	40.34
11 68 13 00-0517	EA		166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403C) .....	568.14	40.34
11 68 13 00-0518	EA		158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403D) .....	558.87	40.34
11 68 13 00-0519	EA		150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403E) .....	531.04	40.34
11 68 13 00-0520	EA		142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403F) .....	521.76	40.34
11 68 13 00-0521	EA		134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403G) .....	503.21	40.34
11 68 13 00-0522	EA		126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403H) .....	493.94	40.34
11 68 13 00-0523	EA		118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403I) .....	466.11	40.34
11 68 13 00-0524	EA		110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403J) .....	456.83	40.34
11 68 13 00-0525	EA		148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404A) .....	531.04	40.34
11 68 13 00-0526	EA		140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404B) .....	512.49	40.34
11 68 13 00-0527	EA		132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404C) .....	503.21	40.34
11 68 13 00-0528	EA		124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404D) .....	493.94	40.34
11 68 13 00-0529	EA		116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404E) .....	466.11	40.34
11 68 13 00-0530	EA		108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404F) .....	456.83	40.34
11 68 13 00-0531	EA		100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404G) .....	447.56	40.34
11 68 13 00-0532	EA		92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404H) .....	429.00	40.34
11 68 13 00-0533	EA		84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404I) .....	410.45	40.34
11 68 13 00-0534	EA		76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404J) .....	382.62	40.34
11 68 13 00-0535	EA		106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405A) .....	755.98	80.70
11 68 13 00-0536	EA		98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405B) .....	728.15	80.70
11 68 13 00-0537	EA		90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405C) .....	700.33	80.70
11 68 13 00-0538	EA		82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405D) .....	614.52	40.34
11 68 13 00-0539	EA		74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405E) .....	605.25	40.34
11 68 13 00-0540	EA		66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405F) .....	586.70	40.34
11 68 13 00-0541	EA		58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405G) .....	558.87	40.34
11 68 13 00-0542	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405H) .....	549.59	40.34
11 68 13 00-0543	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 111405I) .....	531.04	40.34
11 68 13 00-0544	EA		CloudDirect Buryrstr Triple Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 144414A) .....	5,928.49	268.98
11 68 13 00-0545	EA		TurboTwister Tunnel Slide, 96" Deck, Excludes Posts (Landscape Structures® PlayBooster® 123763A) .....	7,768.55	726.25
11 68 13 00-0546	EA		Double Poly Slide, 32" Deck (Landscape Structures® PlayBooster® 123331A) .....	2,562.47	201.74
11 68 13 00-0547	EA		Double Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123331B) .....	2,831.47	201.74
11 68 13 00-0548	EA		Double Swoosh Poly Slide, 64" - 72" Deck (Landscape Structures® PlayBooster® 130390A) .....	3,288.31	242.08
11 68 13 00-0549	EA		40" Deck, El Slide (Landscape Structures® PlayBooster® 126368A) .....	3,987.49	228.63
11 68 13 00-0550	EA		48" Deck, El Slide (Landscape Structures® PlayBooster® 126368B) .....	4,540.57	242.08
11 68 13 00-0551	EA		56" Deck, El Slide (Landscape Structures® PlayBooster® 126368C) .....	4,800.29	242.08
11 68 13 00-0552	EA		64" Deck, El Slide (Landscape Structures® PlayBooster® 126368D) .....	5,371.93	268.98
11 68 13 00-0553	EA		72" Deck, El Slide (Landscape Structures® PlayBooster® 126368E) .....	5,622.38	268.98
11 68 13 00-0554	EA		96" Deck, El Slide, Excludes Posts (Landscape Structures® PlayBooster® 126368F) .....	7,519.30	349.67
11 68 13 00-0555	EA		Firepole With Permalene® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148426A) .....	1,205.86	161.39
11 68 13 00-0556	EA		Firepole With Permalene® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148426B) .....	1,233.68	161.39
11 68 13 00-0557	EA		Firepole With SteelX® Handholds 32" To 48" Deck (Landscape Structures® PlayBooster® 148435A) .....	1,614.00	161.39
11 68 13 00-0558	EA		Firepole With SteelX® Handholds 56" To 72" Deck (Landscape Structures® PlayBooster® 148435B) .....	1,660.38	161.39
11 68 13 00-0559	EA		32" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800A) .....	6,066.43	484.17
11 68 13 00-0560	EA		40" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800B) .....	6,975.48	484.17
11 68 13 00-0561	EA		48" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800C) .....	7,504.21	484.17
11 68 13 00-0562	EA		56" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800D) .....	8,886.31	645.55
11 68 13 00-0563	EA		64" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800E) .....	9,099.66	645.55
11 68 13 00-0564	EA		72" Deck, Gemini SlideWinder2 (Landscape Structures® PlayBooster® 130800F) .....	10,602.37	645.55
11 68 13 00-0565	EA		96" Deck, Gemini SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 130800G) .....	12,513.20	806.94
11 68 13 00-0566	EA		40" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333A) .....	9,788.45	363.13
11 68 13 00-0567	EA		56" Deck, Rollerslide (Landscape Structures® PlayBooster® 123333B) .....	12,306.86	443.82
11 68 13 00-0568	EA		Single Poly Slide, 40" - 48" Deck (Landscape Structures® PlayBooster® 123337A) .....	2,179.84	161.39
11 68 13 00-0569	EA		32" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863A) .....	2,898.71	242.08
11 68 13 00-0570	EA		40" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863B) .....	3,223.37	242.08
11 68 13 00-0571	EA		48" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863C) .....	3,585.14	242.08
11 68 13 00-0572	EA		56" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863D) .....	4,081.40	322.78
11 68 13 00-0573	EA		64" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863E) .....	4,248.37	322.78
11 68 13 00-0574	EA		72" Deck, SlideWinder2 (Landscape Structures® PlayBooster® 124863F) .....	4,842.03	322.78
11 68 13 00-0575	EA		96" Deck, SlideWinder2, Excludes Posts (Landscape Structures® PlayBooster® 124863G) .....	5,792.80	403.47
11 68 13 00-0576	EA		72" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033A) .....	8,624.28	605.21
11 68 13 00-0577	EA		72" Slide, With Hanger Bracket, 64" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033B) .....	8,931.55	551.41
11 68 13 00-0578	EA		56" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033C) .....	7,845.09	605.21
11 68 13 00-0579	EA		56" Slide, With Hanger Bracket, 48" Deck, SpyroSlide (Landscape Structures® PlayBooster® 122033D) .....	8,124.54	551.41
11 68 13 00-0580	EA		32" - 40" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340A) .....	3,091.20	201.74
11 68 13 00-0581	EA		48" - 56" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340B) .....	3,360.21	201.74

**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0582	EA		64" - 72" Deck, Stainless Steel Slide (Landscape Structures® PlayBooster® 123340C).....	4,139.39	201.74
11 68 13 00-0583	EA		32" - 40" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945A).....	3,415.86	201.74
11 68 13 00-0584	EA		48" - 56" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945B).....	3,684.87	201.74
11 68 13 00-0585	EA		64" - 72" Deck, SteelX, Stainless Steel Slide (Landscape Structures® PlayBooster® 139945C).....	4,482.60	201.74
11 68 13 00-0586	EA		32" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367A).....	3,480.79	201.74
11 68 13 00-0587	EA		40" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367B).....	3,684.87	201.74
11 68 13 00-0588	EA		48" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367C).....	4,237.94	228.63
11 68 13 00-0589	EA		56" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367D).....	4,484.91	242.08
11 68 13 00-0590	EA		64" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367E).....	5,004.37	242.08
11 68 13 00-0591	EA		72" Deck, Tunnel Slide (Landscape Structures® PlayBooster® 126367F).....	5,180.61	242.08
11 68 13 00-0592	EA		96" Deck, Tunnel Slide, Excludes Posts (Landscape Structures® PlayBooster® 126367G).....	6,836.37	322.78
11 68 13 00-0593	EA		Step Deck, 16" - 32" Decks, Brown Only (Landscape Structures® PlayBooster® 111465A).....	1,247.61	80.70
11 68 13 00-0594	EA		Sky Rail Climber, 64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 146812A).....	2,196.08	121.04
11 68 13 00-0595	EA		Stepping Block Climber, 32" Deck Height Difference (Landscape Structures® PlayBooster® 130742A).....	4,957.99	242.08
11 68 13 00-0596	EA		32" Deck, Block Climber (Landscape Structures® PlayBooster® 135344A).....	3,240.76	309.33
11 68 13 00-0597	EA		40" Deck, Block Climber (Landscape Structures® PlayBooster® 135344B).....	3,760.22	309.33
11 68 13 00-0598	EA		32" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491A).....	3,658.18	309.33
11 68 13 00-0599	EA		40" Deck, SteelX, Block Climber (Landscape Structures® PlayBooster® 139491B).....	4,196.19	309.33
11 68 13 00-0600	EA		Fish Net Climber, CableCore Climbing Cable, 16" - 32" Deck (Landscape Structures® PlayBooster® 126194A).....	3,941.11	228.63
11 68 13 00-0601	EA		Wavy Web Climber, 48" - 56" Deck (Landscape Structures® PlayBooster® 126273A).....	3,872.69	242.08
11 68 13 00-0602	EA		Wavy Web Climber, 64" - 72" Deck (Landscape Structures® PlayBooster® 126273B).....	4,150.97	242.08
11 68 13 00-0603	EA		Wavy Web Climber, 48" - 56" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442A).....	4,651.88	242.08
11 68 13 00-0604	EA		Wavy Web Climber, 64" - 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126442B).....	4,920.88	242.08
11 68 13 00-0605	EA		Circus Ladder, CableCore Climbing Cable, 48" Deck (Landscape Structures® PlayBooster® 126272B).....	1,915.46	242.08
11 68 13 00-0606	EA		Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck (Landscape Structures® PlayBooster® 126272C).....	2,017.49	242.08
11 68 13 00-0607	EA		Circus Ladder, CableCore Climbing Cable, 72" Deck (Landscape Structures® PlayBooster® 126272D).....	2,147.36	242.08
11 68 13 00-0608	EA		Circus Ladder, CableCore Climbing Cable, 32" - 40" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441A).....	2,583.33	242.08
11 68 13 00-0609	EA		Circus Ladder, CableCore Climbing Cable, 48" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441B).....	2,685.37	242.08
11 68 13 00-0610	EA		Circus Ladder, CableCore Climbing Cable, 56" - 64" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441C).....	2,815.23	242.08
11 68 13 00-0611	EA		Circus Ladder, CableCore Climbing Cable, 72" Deck, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 126441D).....	2,917.27	242.08
11 68 13 00-0612	EA		Spider Web Climber, 16" - 32" Decks (Direct Bury Only) (Landscape Structures® PlayBooster® 136158A).....	4,174.16	322.78
11 68 13 00-0613	EA		Chimney Climber, 56" - 64" Deck (Landscape Structures® PlayBooster® 153617A).....	5,342.94	322.78
11 68 13 00-0614	EA		Chimney Climber, 72" Deck (Landscape Structures® PlayBooster® 153617B).....	6,029.36	322.78
11 68 13 00-0615	EA		Chimney Climb Across, Straight, 72" To 72" Deck Or 64" To 64" Deck (Landscape Structures® PlayBooster® 155042A).....	7,522.80	322.78
11 68 13 00-0616	EA		Chimney Climb Across, Straight, 56" To 56" Deck (Landscape Structures® PlayBooster® 155042B).....	6,799.27	322.78
11 68 13 00-0617	EA		Chimney Climb Across, Straight, 48" To 48" Deck Or 40" To 40" Deck (Landscape Structures® PlayBooster® 155042C).....	6,029.36	322.78
11 68 13 00-0618	EA		Chimney Climb Across, Straight, 32" To 32" Deck (Landscape Structures® PlayBooster® 155042D).....	5,231.63	322.78
11 68 13 00-0619	EA		Chimney Climb Across, 24" Difference, 72" To 48" Deck Or 64" To 40" Deck (Landscape Structures® PlayBooster® 155043A).....	7,244.52	322.78
11 68 13 00-0620	EA		Chimney Climb Across, 24" Difference, 56" To 32" Deck (Landscape Structures® PlayBooster® 155043B).....	6,799.27	322.78
11 68 13 00-0621	EA		Chimney Climb Across, 24" Difference, 48" To 24" Deck (Landscape Structures® PlayBooster® 155043C).....	6,354.02	322.78
11 68 13 00-0622	EA		48" - 56" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975A).....	3,223.37	242.08
11 68 13 00-0623	EA		64" - 72" Deck, Cascade Climber (Direct Bury Only) (Landscape Structures® PlayBooster® 150975B).....	4,160.25	242.08
11 68 13 00-0624	EA		24" Deck Height Difference, Catwalk Climber (Landscape Structures® PlayBooster® 128986A).....	2,516.09	201.74
11 68 13 00-0625	EA		48" - 56" Deck, Centipede Climber (Landscape Structures® PlayBooster® 123291A).....	2,157.80	188.28
11 68 13 00-0626	EA		48" - 56" Deck, 90 Degree Tri-Deck, Centipede Climber (Landscape Structures® PlayBooster® 126376A).....	2,881.33	188.28
11 68 13 00-0627	EA		48" - 56" Deck, SteelX, Centipede Climber (Landscape Structures® PlayBooster® 139496A).....	2,556.67	188.28
11 68 13 00-0628	EA		40" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352A).....	2,284.19	201.74
11 68 13 00-0629	EA		48" - 56" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352B).....	2,395.50	201.74
11 68 13 00-0630	EA		64" - 72" Deck, 90 Degree Tri-Deck, Chain Ladder (Landscape Structures® PlayBooster® 153352C).....	2,488.26	201.74
11 68 13 00-0631	EA		40" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350A).....	1,467.90	201.74
11 68 13 00-0632	EA		48" - 56" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350B).....	1,542.11	201.74
11 68 13 00-0633	EA		64" - 72" Deck, Chain Ladder (Landscape Structures® PlayBooster® 153350C).....	1,662.70	201.74
11 68 13 00-0634	EA		40" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351A).....	1,866.77	201.74
11 68 13 00-0635	EA		48" - 56" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351B).....	1,940.98	201.74
11 68 13 00-0636	EA		64" - 72" Deck, SteelX, Chain Ladder, Direct Bury (Landscape Structures® PlayBooster® 153351C).....	2,043.01	201.74
11 68 13 00-0637	EA		48" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570A).....	2,488.26	201.74
11 68 13 00-0638	EA		56" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570B).....	2,506.81	201.74
11 68 13 00-0639	EA		64" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570C).....	2,942.79	201.74
11 68 13 00-0640	EA		72" Deck, Cliff Climber (Landscape Structures® PlayBooster® 122570D).....	2,961.34	201.74
11 68 13 00-0641	EA		48" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501A).....	2,877.85	201.74
11 68 13 00-0642	EA		56" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501B).....	2,924.23	201.74
11 68 13 00-0643	EA		64" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501C).....	3,360.21	201.74
11 68 13 00-0644	EA		72" Deck, SteelX, Cliff Climber (Landscape Structures® PlayBooster® 139501D).....	3,388.03	201.74
11 68 13 00-0645	EA		40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199A).....	5,609.61	282.43
11 68 13 00-0646	EA		40" Deck, Conical Climber (Landscape Structures® PlayBooster® 143199B).....	4,607.81	282.43
11 68 13 00-0647	EA		32" - 48" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432A).....	1,632.55	161.39
11 68 13 00-0648	EA		56" - 72" Deck, Corkscrew Climber (Landscape Structures® PlayBooster® 148432B).....	1,836.62	161.39
11 68 13 00-0649	EA		32" - 48" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437A).....	2,040.70	161.39
11 68 13 00-0650	EA		56" - 72" Deck, SteelX, Corkscrew Climber (Landscape Structures® PlayBooster® 148437B).....	2,300.42	161.39
11 68 13 00-0651	EA		64" - 72" Deck, Corner Climber (Landscape Structures® PlayBooster® 143198A).....	5,502.94	363.13
11 68 13 00-0652	EA		SpaceLink Climber, Net Climber, 72" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145106A).....	7,474.12	121.04
11 68 13 00-0653	EA		Manta Ray Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108A).....	7,467.14	322.78
11 68 13 00-0654	EA		Manta Ray Climber, Net Climber, 56" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108B).....	7,467.14	322.78
11 68 13 00-0655	EA		Manta Ray Climber, 64" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145108C).....	7,467.14	322.78

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0656 EA SpaceLink Climber, Net Climber, 48" Deck, (Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 145240A).....	7,474.12	121.04
11 68 13 00-0657 EA Star Seeker Climber, Net Climber, 72" Deck (Attaches To Square Decks Only, Steel Posts Required, Direct Bury Only) (Landscape Structures® PlayBooster® 148039A).....	4,740.01	161.39
11 68 13 00-0658 EA SpaceWalk Climber, Net Climber, Deck-To-Deck, 32" - 48" Deck (Landscape Structures® PlayBooster® 145107A).....	9,656.29	161.39
11 68 13 00-0659 EA Funnel Climber, Net Climber (Landscape Structures® PlayBooster® 145109A).....	5,373.10	201.74
11 68 13 00-0660 EA Funnel Climber, Short Brace, Net Climber (Landscape Structures® PlayBooster® 145248A).....	252.76	40.34
11 68 13 00-0661 EA Funnel Climber, Long Brace, Net Climber (Landscape Structures® PlayBooster® 145249A).....	289.86	40.34
11 68 13 00-0662 EA Funnel Climber, Vertical Ladder, Net Climber (Landscape Structures® PlayBooster® 145250A).....	1,059.77	40.34
11 68 13 00-0663 EA Funnel Climber, Handhold Panels, Net Climber (Landscape Structures® PlayBooster® 145251A).....	382.62	40.34
11 68 13 00-0664 EA 40" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293A).....	3,371.79	242.08
11 68 13 00-0665 EA 48" Deck, Cozy Climber (Landscape Structures® PlayBooster® 123293B).....	3,612.97	242.08
11 68 13 00-0666 EA 40" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374A).....	3,779.93	242.08
11 68 13 00-0667 EA 48" Deck, 90 Degree Tri-Deck, Cozy Climber (Landscape Structures® PlayBooster® 126374B).....	4,123.15	242.08
11 68 13 00-0668 EA 40" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500A).....	3,779.93	242.08
11 68 13 00-0669 EA 48" Deck, SteelX, Cozy Climber (Landscape Structures® PlayBooster® 139500B).....	4,048.94	242.08
11 68 13 00-0670 EA 1-Step With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907A).....	1,889.97	121.04
11 68 13 00-0671 EA 2-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907B).....	2,669.16	121.04
11 68 13 00-0672 EA 3-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907C).....	3,457.62	121.04
11 68 13 00-0673 EA 4-Steps With Barrier, Deck Links (Landscape Structures® PlayBooster® 152907D).....	4,236.80	121.04
11 68 13 00-0674 EA 1-Step With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908A).....	1,825.04	121.04
11 68 13 00-0675 EA 2-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908B).....	2,084.77	121.04
11 68 13 00-0676 EA 3-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908C).....	2,353.77	121.04
11 68 13 00-0677 EA 4-Steps With Handrail, Deck Links (Landscape Structures® PlayBooster® 152908D).....	2,465.08	121.04
11 68 13 00-0678 EA 1-Step With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910A).....	2,177.53	121.04
11 68 13 00-0679 EA 2-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910B).....	2,455.81	121.04
11 68 13 00-0680 EA 3-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910C).....	2,715.54	121.04
11 68 13 00-0681 EA 4-Steps With Handrail, SteelX, Deck Links (Landscape Structures® PlayBooster® 152910D).....	2,975.26	121.04
11 68 13 00-0682 EA 48" To 48" Deck Or 56" To 56" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916A).....	5,155.09	282.43
11 68 13 00-0683 EA 64" To 64" Deck Or 72" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916B).....	5,284.95	282.43
11 68 13 00-0684 EA 48" To 64" Deck Or 56" To 72" Deck, Double Wave Climber (Landscape Structures® PlayBooster® 122916C).....	5,210.75	282.43
11 68 13 00-0685 EA 48" To 48" Deck Or 56" To 56" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488A).....	5,980.65	282.43
11 68 13 00-0686 EA 64" To 64" Deck Or 72" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488B).....	6,110.52	282.43
11 68 13 00-0687 EA 48" To 64" Deck Or 56" To 72" Deck, SteelX, Double Wave Climber (Landscape Structures® PlayBooster® 139488C).....	6,054.86	282.43
11 68 13 00-0688 EA 40" - 48" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914A).....	2,024.46	201.74
11 68 13 00-0689 EA 56" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914B).....	2,219.26	201.74
11 68 13 00-0690 EA 64" - 72" Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 122914C).....	2,423.33	201.74
11 68 13 00-0691 EA 40" - 48" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688A).....	2,611.16	242.08
11 68 13 00-0692 EA 56" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688B).....	2,815.23	242.08
11 68 13 00-0693 EA 64" - 72" Deck, 90 Degree Tri-Deck, Loop Arch Climber (Landscape Structures® PlayBooster® 125688C).....	3,010.03	242.08
11 68 13 00-0694 EA 40" - 48" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493A).....	2,432.61	201.74
11 68 13 00-0695 EA 56" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493B).....	2,618.13	201.74
11 68 13 00-0696 EA 64" - 72" Deck, SteelX, Loop Arch Climber (Landscape Structures® PlayBooster® 139493C).....	2,831.47	201.74
11 68 13 00-0697 EA 40" - 48" Deck, Loop Ladder (Landscape Structures® PlayBooster® 128252A).....	1,409.93	161.39
11 68 13 00-0698 EA 40" - 48" Deck, SteelX, Loop Ladder (Landscape Structures® PlayBooster® 139495A).....	1,818.07	161.39
11 68 13 00-0699 EA 32" - 48" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434A).....	1,632.55	161.39
11 68 13 00-0700 EA 56" - 72" Deck, Loop Pole (Landscape Structures® PlayBooster® 148434B).....	1,762.42	161.39
11 68 13 00-0701 EA 32" - 48" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438A).....	2,040.70	161.39
11 68 13 00-0702 EA 56" - 72" Deck, SteelX, Loop Pole (Landscape Structures® PlayBooster® 148438B).....	2,152.01	161.39
11 68 13 00-0703 EA 24" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247A).....	1,207.02	107.60
11 68 13 00-0704 EA 32" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247B).....	1,327.61	107.60
11 68 13 00-0705 EA 40" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247C).....	1,476.03	107.60
11 68 13 00-0706 EA 48" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247D).....	1,769.38	121.04
11 68 13 00-0707 EA 56" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247E).....	1,992.01	121.04
11 68 13 00-0708 EA 64" Deck Height Difference, Panel Vertical Ladder, Deck-To-Deck Or Deck-To-Ground (Landscape Structures® PlayBooster® 116247F).....	2,196.08	121.04
11 68 13 00-0709 EA 72" Deck-To-Ground, Panel Vertical Ladder (Landscape Structures® PlayBooster® 116247G).....	2,474.36	121.04
11 68 13 00-0710 EA 48" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915A).....	2,576.40	121.04
11 68 13 00-0711 EA 64" Deck Height Difference, Single Wave Climber (Landscape Structures® PlayBooster® 122915B).....	2,669.16	121.04
11 68 13 00-0712 EA 48" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487A).....	2,984.54	121.04
11 68 13 00-0713 EA 64" Deck Height Difference, SteelX, Single Wave Climber (Landscape Structures® PlayBooster® 139487B).....	3,086.58	121.04
11 68 13 00-0714 EA 48" - 56" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913A).....	2,571.75	201.74
11 68 13 00-0715 EA 64" - 72" Deck, Snake Climber (Landscape Structures® PlayBooster® 122913B).....	2,692.33	201.74
11 68 13 00-0716 EA 48" - 56" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375A).....	3,510.93	242.08
11 68 13 00-0717 EA 64" - 72" Deck, 90 Degree Tri-Deck, Snake Climber (Landscape Structures® PlayBooster® 126375B).....	3,659.35	242.08
11 68 13 00-0718 EA 48" - 56" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490A).....	2,979.89	201.74
11 68 13 00-0719 EA 64" - 72" Deck, SteelX, Snake Climber (Landscape Structures® PlayBooster® 139490B).....	3,091.20	201.74
11 68 13 00-0720 EA 32" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533A).....	1,382.10	161.39
11 68 13 00-0721 EA 40" - 48" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533B).....	1,836.62	161.39
11 68 13 00-0722 EA 56" - 64" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533C).....	2,306.22	188.28
11 68 13 00-0723 EA 72" Deck, Spiral Climber (Landscape Structures® PlayBooster® 122533D).....	2,770.02	188.28
11 68 13 00-0724 EA 32" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246A).....	2,216.94	161.39
11 68 13 00-0725 EA 40" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246B).....	2,356.08	161.39
11 68 13 00-0726 EA 48" - 56" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246C).....	2,680.74	161.39
11 68 13 00-0727 EA 64" - 72" Deck, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 116246D).....	3,005.40	161.39
11 68 13 00-0728 EA 32" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492A).....	2,634.36	161.39
11 68 13 00-0729 EA 40" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492B).....	2,764.22	161.39



**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68	13 00-0730	EA	48" - 56" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492C).....	3,088.88	161.39
11 68	13 00-0731	EA	64" - 72" Deck, SteelX, Step Ladder, Direct Bury (Landscape Structures® PlayBooster® 139492D).....	3,422.82	161.39
11 68	13 00-0732	EA	Mini Summit Climber 40" To 48" Decks (Landscape Structures® PlayBooster® 153076A).....	1,685.41	242.08
11 68	13 00-0733	EA	64" And 72" Decks, (64" Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 128608A).....	1,947.94	161.39
11 68	13 00-0734	EA	PlayOdyssey 72" Deck (Landscape Structures® PlayBooster® 129453A).....	2,156.63	242.08
11 68	13 00-0735	EA	48" Deck-To-Ground, Thunderhead Climber With Aluminum Posts (Landscape Structures® PlayBooster® 139778A).....	8,672.96	645.55
11 68	13 00-0736	EA	48" Deck-To-Ground, Thunderhead Climber With Steel Posts (Landscape Structures® PlayBooster® 139778B).....	8,672.96	645.55
11 68	13 00-0737	EA	48" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624A).....	1,743.86	161.39
11 68	13 00-0738	EA	56" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624B).....	1,743.86	161.39
11 68	13 00-0739	EA	64" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624C).....	1,920.11	161.39
11 68	13 00-0740	EA	72" Deck, Vertical Ascent Climber (Landscape Structures® PlayBooster® 145624D).....	1,920.11	161.39
11 68	13 00-0741	EA	24" - 32" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249A).....	1,129.34	121.04
11 68	13 00-0742	EA	40" - 48" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249B).....	1,212.82	121.04
11 68	13 00-0743	EA	56" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249C).....	1,268.48	121.04
11 68	13 00-0744	EA	64" - 72" Deck, Vertical Ladder (Landscape Structures® PlayBooster® 116249D).....	1,342.69	121.04
11 68	13 00-0745	EA	24" - 32" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372A).....	1,750.83	121.04
11 68	13 00-0746	EA	40" - 48" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372B).....	1,825.04	121.04
11 68	13 00-0747	EA	56" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372C).....	1,889.97	121.04
11 68	13 00-0748	EA	64" - 72" Deck, 90 Degree Tri-Deck, Vertical Ladder (Landscape Structures® PlayBooster® 126372D).....	1,973.46	121.04
11 68	13 00-0749	EA	24" - 32" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494A).....	1,528.21	121.04
11 68	13 00-0750	EA	40" - 48" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494B).....	1,583.86	121.04
11 68	13 00-0751	EA	56" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494C).....	1,667.35	121.04
11 68	13 00-0752	EA	64" - 72" Deck, SteelX, Vertical Ladder (Landscape Structures® PlayBooster® 139494D).....	1,750.83	121.04
11 68	13 00-0753	EA	66" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284D).....	1,328.76	201.74
11 68	13 00-0754	EA	64" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284E).....	1,375.14	201.74
11 68	13 00-0755	EA	72" Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 123284F).....	1,458.63	201.74
11 68	13 00-0756	EA	32" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371A).....	1,829.67	201.74
11 68	13 00-0757	EA	40" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371B).....	1,903.87	201.74
11 68	13 00-0758	EA	48" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371C).....	1,959.53	201.74
11 68	13 00-0759	EA	56" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371D).....	2,024.46	201.74
11 68	13 00-0760	EA	64" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371E).....	2,089.39	201.74
11 68	13 00-0761	EA	72" Deck, 90 Degree Tri-Deck, Wiggle Ladder (Landscape Structures® PlayBooster® 126371F).....	2,154.33	201.74
11 68	13 00-0762	EA	32" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502A).....	1,542.11	201.74
11 68	13 00-0763	EA	40" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502B).....	1,616.32	201.74
11 68	13 00-0764	EA	48" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502C).....	1,662.70	201.74
11 68	13 00-0765	EA	56" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502D).....	1,709.08	201.74
11 68	13 00-0766	EA	64" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502E).....	1,764.73	201.74
11 68	13 00-0767	EA	72" Deck, SteelX, Wiggle Ladder (Landscape Structures® PlayBooster® 139502F).....	1,848.22	201.74
11 68	13 00-0768	EA	Overhead Events Air Dancer Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 121952A).....	2,587.98	161.39
11 68	13 00-0769	EA	Overhead Events Swing Out Overhead Event, 16" Deck Height Only (Landscape Structures® PlayBooster® 120872A).....	1,825.04	121.04
11 68	13 00-0770	EA	Overhead Events Triple Ring Fling Overhead Event, 24" Or 32" Deck-To-Ground (Landscape Structures® PlayBooster® 123824A).....	3,659.35	242.08
11 68	13 00-0771	EA	Overhead Events Ring Pull, Brown Rings Only, Intended For Wheelchair Users (Landscape Structures® PlayBooster® 130873A).....	922.95	80.70
11 68	13 00-0772	EA	Overhead Events 90 Degree Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142890A).....	2,587.98	161.39
11 68	13 00-0773	EA	Overhead Events Circular Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142891A).....	4,642.60	242.08
11 68	13 00-0774	EA	Overhead Events C-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142883A).....	3,684.87	201.74
11 68	13 00-0775	EA	Overhead Events Ring-a-Ling Overhead Event, Max. 32" Decks (Landscape Structures® PlayBooster® 126203A).....	3,510.93	242.08
11 68	13 00-0776	EA	Overhead Events Wave Net, CableCore Climbing Cable, Max. 32" Decks (Landscape Structures® PlayBooster® 126274A).....	3,907.49	201.74
11 68	13 00-0777	EA	Overhead Events Trapeze Horizontal Ladder, 18" Wide, Max. 32" Decks (Landscape Structures® PlayBooster® 111468A).....	2,543.92	201.74
11 68	13 00-0778	EA	Overhead Events Inclined Horizontal Ladder, 16" - 32" Decks, 16" Incline (Landscape Structures® PlayBooster® 142889A).....	1,600.10	80.70
11 68	13 00-0779	EA	Overhead Events Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142887A).....	1,562.99	80.70
11 68	13 00-0780	EA	Overhead Events Overhead Parallel Bars, Max. 32" Decks (Landscape Structures® PlayBooster® 119430A).....	1,646.48	80.70
11 68	13 00-0781	EA	Overhead Events Horizontal Ladder, 84" Module, Max. 16" Decks, 12" Max. Rung Spacing (Landscape Structures® PlayBooster® 139782A).....	1,275.44	80.70
11 68	13 00-0782	EA	Overhead Events Wave Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 119613A).....	1,757.79	80.70
11 68	13 00-0783	EA	Overhead Events Single Beam Loop Horizontal Ladder, 84" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119805A).....	1,414.58	80.70
11 68	13 00-0784	EA	Overhead Events Single Beam Loop Horizontal Ladder, 123" Module, Max. 32" Decks (Landscape Structures® PlayBooster® 119806A).....	1,794.89	80.70
11 68	13 00-0785	EA	Overhead Events S-Horizontal Ladder, Max. 32" Decks (Landscape Structures® PlayBooster® 142884A).....	3,684.87	201.74
11 68	13 00-0786	EA	Overhead Events Single S-Parallel Bar, Max. 32" Decks (Landscape Structures® PlayBooster® 119979A).....	1,562.99	80.70
11 68	13 00-0787	EA	Overhead Events Wiggle Ring Bridge, Max. 32" Decks (Landscape Structures® PlayBooster® 148639A).....	2,673.80	40.34
11 68	13 00-0788	EA	Overhead Events S-Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467A).....	2,316.67	121.04
11 68	13 00-0789	EA	Overhead Events Ring Bridge, With (2) 2" Crossovers, Max. 32" Decks, Brown Rings Only (Landscape Structures® PlayBooster® 111467B).....	2,056.94	121.04
11 68	13 00-0790	EA	116" Steel Posts, End Vertical Ladder (Landscape Structures® PlayBooster® 111273B).....	1,780.97	161.39
11 68	13 00-0791	EA	132" Steel Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208B).....	1,873.73	161.39
11 68	13 00-0792	EA	10' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 111353A).....	3,459.92	161.39
11 68	13 00-0793	EA	18' Module, Track Ride Without Supports, With (2) Crossovers, Max. 16" Decks (Landscape Structures® PlayBooster® 112465A).....	3,886.62	161.39
11 68	13 00-0794	EA	16" - 24" Decks, Spring Across Bridge (Landscape Structures® PlayBooster® 136156A).....	4,983.48	363.13
11 68	13 00-0795	EA	90 Degree, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120211A).....	6,321.53	403.47
11 68	13 00-0796	EA	C Or S, 8" - 72" Decks, Curved Bridge, Bridge Planks Brown Only (Landscape Structures® PlayBooster® 120689A).....	13,672.70	806.94
11 68	13 00-0797	EA	16" To 32" Deck, Pod Bridge, Direct Bury (Landscape Structures® PlayBooster® 127234A).....	7,504.21	484.17
11 68	13 00-0798	EA	42" Module, Arch Bridge, Permalene Barrier, Bridge Plank (Landscape Structures® PlayBooster® 114665A).....	2,945.12	80.70

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0799	EA		42" Module, Arch Bridge, SteelX, Bridge Plank (Landscape Structures® PlayBooster® 139383A) .....	3,139.91	80.70
11 68 13 00-0800	EA		123" Module, Arch Bridge With Guardrail, Max. 40" Decks (Landscape Structures® PlayBooster® 143677A) .....	5,744.14	201.74
11 68 13 00-0801	EA		123" Module, Arch Bridge With Barrier, Max. 72" Decks (Landscape Structures® PlayBooster® 143677B) .....	7,385.99	201.74
11 68 13 00-0802	EA		42" Module, Belt Bridge, Permalene Barrier (Landscape Structures® PlayBooster® 114373A) .....	3,012.37	121.04
11 68 13 00-0803	EA		84" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120310A) .....	4,591.58	322.78
11 68 13 00-0804	EA		123" Module, 24" - 48" Decks, Belt Bridge (Landscape Structures® PlayBooster® 120624A) .....	5,296.56	322.78
11 68 13 00-0805	EA		Bridge/Ramp Transition Bracket, Brown Only (Landscape Structures® PlayBooster® 111345A) .....	456.83	40.34
11 68 13 00-0806	EA		Ramp Exit/Wall Mount Plate, Surface Mount, Brown Only (Landscape Structures® PlayBooster® 111346A) .....	702.64	121.04
11 68 13 00-0807	EA		Ramp Exit Plate, Direct Bury, Brown Only (Landscape Structures® PlayBooster® 111346B) .....	851.06	121.04
11 68 13 00-0808	EA		Ramp Berm Exit Plate, Brown Only (Landscape Structures® PlayBooster® 120325A) .....	684.09	121.04
11 68 13 00-0809	EA		84" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143194A) .....	4,930.16	242.08
11 68 13 00-0810	EA		123" Module, Clatterbridge, Brown Planks Only, With Handrails For 24" - 48" Decks (Landscape Structures® PlayBooster® 143195A) .....	6,240.38	282.43
11 68 13 00-0811	EA		84" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147424A) .....	7,054.36	242.08
11 68 13 00-0812	EA		123" Module, Clatterbridge, Brown Planks Only, With Barrier For 24" To 72" Decks (Landscape Structures® PlayBooster® 147425A) .....	8,612.73	242.08
11 68 13 00-0813	EA		84" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 120873A) .....	4,392.11	564.86
11 68 13 00-0814	EA		123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 121416A) .....	6,047.86	645.55
11 68 13 00-0815	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 24" Decks, With 2 Handhold Panels (Landscape Structures® PlayBooster® 136157A) .....	6,047.86	645.55
11 68 13 00-0816	EA		16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Barriers (Landscape Structures® PlayBooster® 152443A) .....	4,382.90	80.70
11 68 13 00-0817	EA		16" Deck Height Difference, Peek And Creep Ramp, Brown Wire Plank Only, With Guardrails (Landscape Structures® PlayBooster® 152444A) .....	2,870.91	80.70
11 68 13 00-0818	EA		Wire Crawl Tunnel (Landscape Structures® PlayBooster® 119641A) .....	3,355.55	282.43
11 68 13 00-0819	EA		64" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204B) .....	3,673.27	161.39
11 68 13 00-0820	EA		90 Degree Curved, 8" - 72" Deck, Crawl Tunnel (Landscape Structures® PlayBooster® 142892A) .....	4,350.42	161.39
11 68 13 00-0821	EA		32" Straight, 8" - 72" Decks, Crawl Tunnel (Landscape Structures® PlayBooster® 126204A) .....	2,819.88	161.39
11 68 13 00-0822	EA		C-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088A) .....	7,170.31	322.78
11 68 13 00-0823	EA		S-Inclined, 16" Deck Height Difference, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117088B) .....	7,170.31	322.78
11 68 13 00-0824	EA		C-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089A) .....	7,170.31	322.78
11 68 13 00-0825	EA		S-Straight, Crawl Tunnel, 30" Diameter, Permalene Panels, Maximum 48" Decks, Deck-To-Deck Applications (Landscape Structures® PlayBooster® 117089B) .....	7,170.31	322.78
11 68 13 00-0826	EA		24" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 129042A) .....	4,607.81	282.43
11 68 13 00-0827	EA		8" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 119930A) .....	4,088.35	282.43
11 68 13 00-0828	EA		16" Deck Height Difference, Offset Crawl Tunnel (Landscape Structures® PlayBooster® 122589A) .....	4,218.21	282.43
11 68 13 00-0829	EA		Math Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115232A) .....	2,245.93	107.60
11 68 13 00-0830	EA		Spelling Panel, Red Discs Only, Enclosure (Landscape Structures® PlayBooster® 115233A) .....	2,134.62	107.60
11 68 13 00-0831	EA		Gear Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 117146A) .....	2,509.15	80.70
11 68 13 00-0832	EA		Hourglass Panel, Enclosure (Landscape Structures® PlayBooster® 123319A) .....	1,943.31	80.70
11 68 13 00-0833	EA		Image Panel, 176 Play Blocks, Enclosure (Landscape Structures® PlayBooster® 127681A) .....	1,874.89	107.60
11 68 13 00-0834	EA		Slant Window Panel, Enclosure (Landscape Structures® PlayBooster® 115222A) .....	1,735.75	107.60
11 68 13 00-0835	EA		Bubble Panel, Enclosure (Landscape Structures® PlayBooster® 115223A) .....	1,154.85	80.70
11 68 13 00-0836	EA		Puppet Panel, Enclosure (Landscape Structures® PlayBooster® 115225A) .....	858.02	80.70
11 68 13 00-0837	EA		Zoo Panel, Enclosure (Landscape Structures® PlayBooster® 115227A) .....	867.29	80.70
11 68 13 00-0838	EA		Ball Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115236A) .....	1,646.48	80.70
11 68 13 00-0839	EA		Match 4 Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 127678A) .....	1,346.16	107.60
11 68 13 00-0840	EA		Finger Maze Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115229A) .....	1,034.26	80.70
11 68 13 00-0841	EA		Tracing Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115230A) .....	1,034.26	80.70
11 68 13 00-0842	EA		Mirror Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 115234A) .....	1,562.99	80.70
11 68 13 00-0843	EA		Pilot Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 119514A) .....	1,498.06	80.70
11 68 13 00-0844	EA		Space Travel Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123483A) .....	1,767.07	80.70
11 68 13 00-0845	EA		Braille And Clock Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 123844A) .....	2,101.00	80.70
11 68 13 00-0846	EA		Chimes Panel, Enclosure (Landscape Structures® PlayBooster® 115243A) .....	1,943.31	80.70
11 68 13 00-0847	EA		Puppet Panel With Window Above Deck, Enclosure (Landscape Structures® PlayBooster® 115226A) .....	1,052.81	80.70
11 68 13 00-0848	EA		Balcony Deck, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240A) .....	1,760.11	121.04
11 68 13 00-0849	EA		Balcony Deck, With Wheel, Brown Tenderdeck Only (Landscape Structures® PlayBooster® 111240B) .....	2,019.84	121.04
11 68 13 00-0850	EA		Driver Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139382A) .....	1,275.44	80.70
11 68 13 00-0851	EA		Driver Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139382B) .....	1,470.23	80.70
11 68 13 00-0852	EA		Driver Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115228A) .....	1,182.68	80.70
11 68 13 00-0853	EA		Storefront Panel, SteelX, Ground-Level Panel (Landscape Structures® PlayBooster® 139378A) .....	997.16	80.70
11 68 13 00-0854	EA		Hole Panel (SteelX®), Ground-Level Panel (Landscape Structures® PlayBooster® 139381A) .....	950.78	80.70
11 68 13 00-0855	EA		Slant Entrance Panel, 24" Diameter, Ground-Level Panel (Landscape Structures® PlayBooster® 115242A) .....	1,636.04	147.94
11 68 13 00-0856	EA		Sand And Water Panel, Ground-Level Panel, Tan Dish Only (Landscape Structures® PlayBooster® 115257A) .....	2,177.53	121.04
11 68 13 00-0857	EA		Table Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 130565A) .....	1,485.30	107.60
11 68 13 00-0858	EA		Hole Panel (Permalene®), Ground-Level Panel (Landscape Structures® PlayBooster® 115253A) .....	858.02	80.70
11 68 13 00-0859	EA		Storefront Panel, Ground-Level Panel (Landscape Structures® PlayBooster® 115254A) .....	885.85	80.70
11 68 13 00-0860	EA		2 Panels, Handhold Panel (Landscape Structures® PlayBooster® 127953A) .....	429.00	40.34
11 68 13 00-0861	EA		1 Panel, Handhold Panel (Landscape Structures® PlayBooster® 127953B) .....	215.44	26.90
11 68 13 00-0862	EA		House Panel (SteelX®) Above Deck (Landscape Structures® PlayBooster® 139380A) .....	1,111.95	67.24
11 68 13 00-0863	EA		House Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139380B) .....	1,331.09	80.70
11 68 13 00-0864	EA		House Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 115235A) .....	969.33	80.70
11 68 13 00-0865	EA		Periscope Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139379A) .....	2,407.11	80.70
11 68 13 00-0866	EA		Periscope Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 117957A) .....	2,101.00	80.70
11 68 13 00-0867	EA		Periscope Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139379B) .....	2,620.46	80.70
11 68 13 00-0868	EA		Pipe Barrier Above Deck, Without Wheel (Landscape Structures® PlayBooster® 116244A) .....	885.85	80.70
11 68 13 00-0869	EA		Pipe Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680A) .....	956.57	107.60
11 68 13 00-0870	EA		Pipe Barrier Above Deck, With Wheel (Landscape Structures® PlayBooster® 116244B) .....	1,127.02	80.70
11 68 13 00-0871	EA		Pipe Barrier, With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117680B) .....	1,216.30	107.60

## 11 Equipment

## 11 60 Entertainment and Recreation Equipment

## 11 68 Play Field Equipment and Structures

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0872	EA		Pipe Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921A) .....	941.50	80.70
11 68 13 00-0873	EA		Pipe Barrier, With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921B) .....	1,201.23	80.70
11 68 13 00-0874	EA		Pipe Guardrail (Landscape Structures® PlayBooster® 116245A) .....	765.26	80.70
11 68 13 00-0875	EA		Pipe Guardrail, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 117681A) .....	975.12	107.60
11 68 13 00-0876	EA		Wheelchair Accessible Navigator Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127439A) .....	911.36	40.34
11 68 13 00-0877	EA		Wheelchair Accessible Trail Tracker Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 127440A) .....	656.73	40.34
11 68 13 00-0878	EA		Wheelchair Accessible Image Reach Panel, 75 Play Blocks (Landscape Structures® PlayBooster® 129043A) .....	1,189.64	40.34
11 68 13 00-0879	EA		Wheelchair Accessible Periscope Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135729A) .....	2,011.73	67.24
11 68 13 00-0880	EA		Wheelchair Accessible Match 3 Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 135730A) .....	1,093.40	67.24
11 68 13 00-0881	EA		Wheelchair Accessible Chimes Reach Panel (Landscape Structures® PlayBooster® 135731A) .....	1,659.24	67.24
11 68 13 00-0882	EA		Recycled Poly Wall (Landscape Structures® PlayBooster® 111267A) .....	1,256.89	80.70
11 68 13 00-0883	EA		Recycled Poly Wall, With Wheel (Landscape Structures® PlayBooster® 111267B) .....	1,525.89	80.70
11 68 13 00-0884	EA		Tic-Tac-Toe Panel, SteelX, Above Deck (Landscape Structures® PlayBooster® 139377A) .....	3,047.15	80.70
11 68 13 00-0885	EA		Tic-Tac-Toe Panel, SteelX, Below Deck (Landscape Structures® PlayBooster® 139377B) .....	3,284.85	107.60
11 68 13 00-0886	EA		Tic-Tac-Toe Panel, Above Deck, Tan Discs Only (Landscape Structures® PlayBooster® 115231A) .....	1,906.21	80.70
11 68 13 00-0887	EA		Wire Barrier (Landscape Structures® PlayBooster® 120314A) .....	993.67	107.60
11 68 13 00-0888	EA		Wire Barrier, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315A) .....	1,197.75	107.60
11 68 13 00-0889	EA		Wire Barrier With Wheel (Landscape Structures® PlayBooster® 120314B) .....	1,262.68	107.60
11 68 13 00-0890	EA		Wire Barrier With Wheel, 90 Degree Tri-Deck (Landscape Structures® PlayBooster® 120315B) .....	1,466.75	107.60
11 68 13 00-0891	EA		Wire Barrier, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921C) .....	1,052.81	80.70
11 68 13 00-0892	EA		Wire Barrier With Wheel, (For TurboTwister Tunnel Slide) (Landscape Structures® PlayBooster® 125921D) .....	1,321.82	80.70
11 68 13 00-0893	EA		Loop Seats (Landscape Structures® PlayBooster® 118089A) .....	660.90	40.34
11 68 13 00-0894	EA		Grab Bar, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120901A) .....	256.25	26.90
11 68 13 00-0895	EA		Handhold/Leg Lift, TenderTuff-coated Brown (Landscape Structures® PlayBooster® 120902A) .....	284.08	26.90
11 68 13 00-0896	EA		Handloop Assembly (Landscape Structures® PlayBooster® 111275A) .....	379.15	67.24
11 68 13 00-0897	EA		Rail Assembly (Landscape Structures® PlayBooster® 111276A) .....	369.87	67.24
11 68 13 00-0898	EA		Log Roll, (1) Steel Post, Tan Log Only (Landscape Structures® PlayBooster® 111356B) .....	1,914.32	147.94
11 68 13 00-0899	EA		Chinning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357C) .....	841.78	121.04
11 68 13 00-0900	EA		Turning Bar, (1) Steel Post (Landscape Structures® PlayBooster® 111357D) .....	786.13	121.04
11 68 13 00-0901	EA		Parallel Bars, Without Posts (Landscape Structures® PlayBooster® 111361A) .....	987.88	80.70
11 68 13 00-0902	EA		Orbiter Spinner, (Requires Steel Post, Avail. For Direct Bury Only) (Landscape Structures® PlayBooster® 153590A) .....	2,613.50	121.04
11 68 13 00-0903	EA		48" Deck, Talk Tubes For PlayOdyssey Pod, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079A) .....	920.63	40.34
11 68 13 00-0904	EA		72" Deck, Talk Tubes For PlayOdyssey Pod, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 129079B) .....	976.29	40.34
11 68 13 00-0905	EA		Ground Level, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363A) .....	698.01	40.34
11 68 13 00-0906	EA		16" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363B) .....	707.28	40.34
11 68 13 00-0907	EA		24" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363C) .....	716.56	40.34
11 68 13 00-0908	EA		32" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363D) .....	725.84	40.34
11 68 13 00-0909	EA		40" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363E) .....	735.11	40.34
11 68 13 00-0910	EA		48" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363F) .....	753.66	40.34
11 68 13 00-0911	EA		56" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363G) .....	762.94	40.34
11 68 13 00-0912	EA		64" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363H) .....	781.49	40.34
11 68 13 00-0913	EA		72" Deck, Talk Tubes, Deck Mount, One Only (Excludes Posts) (Landscape Structures® PlayBooster® 111363I) .....	790.77	40.34
11 68 13 00-0914	EA		Arch Roof, (Excludes Arches) (Landscape Structures® PlayBooster® 111256A) .....	1,087.60	40.34
11 68 13 00-0915	EA		Recycled 2x4 Roof (Landscape Structures® PlayBooster® 111260A) .....	3,367.15	322.78
11 68 13 00-0916	EA		Recycled Peak Roof (Landscape Structures® PlayBooster® 111408A) .....	4,693.62	322.78
11 68 13 00-0917	EA		Hex Shingle Roof (Landscape Structures® PlayBooster® 130567A) .....	3,844.87	242.08
11 68 13 00-0918	EA		Square SteelX Roof (Landscape Structures® PlayBooster® 139375A) .....	4,095.32	242.08
11 68 13 00-0919	EA		Hex SteelX Roof (Landscape Structures® PlayBooster® 139376A) .....	6,351.69	282.43
11 68 13 00-0920	EA		Flag Pole With Permalene Flag (For SteelX Hex Roof Or SteelX Square Roof Only) (Landscape Structures® PlayBooster® 139464A) .....	395.39	26.90
11 68 13 00-0921	EA		Full Sail, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 136488A) .....	15,815.45	968.33
11 68 13 00-0922	EA		Single Post Shade, CoolToppers Shade System (Direct Bury Only) (Landscape Structures® PlayBooster® 154884A) .....	5,370.68	806.94
11 68 13 00-0923	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980A) .....	27,011.50	1,452.50
11 68 13 00-0924	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980B) .....	21,195.44	1,452.50
11 68 13 00-0925	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 48" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980C) .....	20,073.05	1,452.50
11 68 13 00-0926	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck With Roof, With Center Access (Landscape Structures® PlayBooster® 128980D) .....	27,169.19	1,452.50
11 68 13 00-0927	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, With Center Access (Landscape Structures® PlayBooster® 128980E) .....	21,353.14	1,452.50
11 68 13 00-0928	EA		PlayOdyssey® Octagonal Deck (Direct Bury Only) 72" Deck Without Roof, Without Center Access (Landscape Structures® PlayBooster® 128980F) .....	20,240.02	1,452.50
11 68 13 00-0929	EA		Square Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111228A) .....	1,386.75	80.70
11 68 13 00-0930	EA		Square Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 111229A) .....	1,331.09	80.70
11 68 13 00-0931	EA		Square Tenderdeck, Corner, Brown Only (Landscape Structures® PlayBooster® 111230A) .....	1,293.99	80.70
11 68 13 00-0932	EA		Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111231A) .....	1,041.22	40.34
11 68 13 00-0933	EA		Hexagon Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 111232A) .....	3,907.49	201.74
11 68 13 00-0934	EA		Triangular Tenderdeck, Extension, Brown Only (Landscape Structures® PlayBooster® 119646A) .....	1,037.75	67.24
11 68 13 00-0935	EA		90 Degree Triangular Tenderdeck, Brown Only (Landscape Structures® PlayBooster® 122197A) .....	1,106.15	40.34
11 68 13 00-0936	EA		Transfer Step, Brown Only (Landscape Structures® PlayBooster® 112471A) .....	793.09	80.70
11 68 13 00-0937	EA		24" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525A) .....	638.88	67.24
11 68 13 00-0938	EA		32" Rise Kick Panel, 2-Color Permalene, With 2-Clamps (Landscape Structures® PlayBooster® 111525B) .....	787.29	67.24
11 68 13 00-0939	EA		To 32" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911A) .....	3,441.36	322.78
11 68 13 00-0940	EA		To 40" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911B) .....	3,886.61	322.78



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0941 EA To 48" Deck, Curved, Right Or Left Step, Curved Transfer Module (Landscape Structures® PlayBooster® 152911C).....	4,072.13	322.78
11 68 13 00-0942 EA To 32" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912A).....	3,793.85	322.78
11 68 13 00-0943 EA To 40" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912B).....	4,229.82	322.78
11 68 13 00-0944 EA To 48" Deck, Curved, Right Or Left Step, SteelX, Curved Transfer Module (Landscape Structures® PlayBooster® 152912C).....	4,387.51	322.78
11 68 13 00-0945 EA Arch For 72" Deck (Landscape Structures® PlayBooster® 111406A).....	1,980.41	80.70
11 68 13 00-0946 EA Arch For 56" - 64" Deck (Landscape Structures® PlayBooster® 111406B).....	1,915.48	80.70
11 68 13 00-0947 EA Arch For 40" - 48" Deck (Landscape Structures® PlayBooster® 111406C).....	1,841.27	80.70
11 68 13 00-0948 EA Arch For 32" Deck (Landscape Structures® PlayBooster® 111406D).....	1,822.72	80.70
11 68 13 00-0949 EA Arch/Ground Level (Landscape Structures® PlayBooster® 111406E).....	1,702.13	80.70
11 68 13 00-0950 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718J).....	666.71	67.24
11 68 13 00-0951 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718K).....	648.15	67.24
11 68 13 00-0952 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718L).....	638.88	67.24
11 68 13 00-0953 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718M).....	629.60	67.24
11 68 13 00-0954 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718N).....	620.33	67.24
11 68 13 00-0955 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718O).....	601.77	67.24
11 68 13 00-0956 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718P).....	592.50	67.24
11 68 13 00-0957 EA 50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718Q).....	583.22	67.24
11 68 13 00-0958 EA 42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718R).....	564.67	67.24
11 68 13 00-0959 EA 106"/72" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405J).....	629.60	67.24
11 68 13 00-0960 EA 98"/64" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405K).....	620.33	67.24
11 68 13 00-0961 EA 90"/56" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405L).....	601.77	67.24
11 68 13 00-0962 EA 82"/48" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405M).....	592.50	67.24
11 68 13 00-0963 EA 74"/40" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405N).....	583.22	67.24
11 68 13 00-0964 EA 66"/32" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405O).....	564.67	67.24
11 68 13 00-0965 EA 58"/24" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405P).....	555.39	67.24
11 68 13 00-0966 EA 50"/16" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405Q).....	546.12	67.24
11 68 13 00-0967 EA 42"/8" Deck, Flush Mount Posts For Decks, Square Caps (Landscape Structures® PlayBooster® 111405R).....	536.84	67.24
11 68 13 00-0968 EA 148"/72" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404M).....	493.94	40.34
11 68 13 00-0969 EA 140"/64" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404N).....	811.18	40.34
11 68 13 00-0970 EA 132"/56" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404O).....	456.83	40.34
11 68 13 00-0971 EA 124"/48" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404P).....	447.56	40.34
11 68 13 00-0972 EA 116"/40" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404Q).....	438.28	40.34
11 68 13 00-0973 EA 108"/32" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404R).....	429.00	40.34
11 68 13 00-0974 EA 100"/24" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404S).....	410.45	40.34
11 68 13 00-0975 EA 92"/16" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404T).....	382.62	40.34
11 68 13 00-0976 EA 84"/8" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404U).....	364.07	40.34
11 68 13 00-0977 EA 76"/Ground Level, Posts For Decks (Landscape Structures® PlayBooster® 111404V).....	354.80	40.34
11 68 13 00-0978 EA 156"/80" Deck, Posts For Decks (Landscape Structures® PlayBooster® 111404W).....	558.87	40.34
11 68 13 00-0979 EA 182"/96" Deck (44" Bury), Posts For Decks (Landscape Structures® PlayBooster® 111404Z).....	642.35	40.34
11 68 13 00-0980 EA 182"/72" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403K).....	568.14	40.34
11 68 13 00-0981 EA 174"/64" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403L).....	558.87	40.34
11 68 13 00-0982 EA 166"/56" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403M).....	549.59	40.34
11 68 13 00-0983 EA 158"/48" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403N).....	531.04	40.34
11 68 13 00-0984 EA 150"/40" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403O).....	521.76	40.34
11 68 13 00-0985 EA 142"/32" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403P).....	512.49	40.34
11 68 13 00-0986 EA 134"/24" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403Q).....	503.21	40.34
11 68 13 00-0987 EA 126"/16" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403R).....	493.94	40.34
11 68 13 00-0988 EA 118"/8" Deck, Posts For Roofs (Landscape Structures® PlayBooster® 111403S).....	466.11	40.34
11 68 13 00-0989 EA 110"/Ground Level, Posts For Roofs (Landscape Structures® PlayBooster® 111403T).....	456.83	40.34
11 68 13 00-0990 EA 204"/48" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689A).....	2,958.83	1,452.50
11 68 13 00-0991 EA 212"/56" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689B).....	2,968.10	1,452.50
11 68 13 00-0992 EA 220"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Full Sail (Landscape Structures® PlayBooster® 136689C).....	2,986.66	1,452.50
11 68 13 00-0993 EA 264"/64" - 72" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883A).....	2,550.78	806.94
11 68 13 00-0994 EA 248"/48" - 56" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883B).....	2,495.12	806.94
11 68 13 00-0995 EA 232"/32" - 40" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883C).....	2,467.30	806.94
11 68 13 00-0996 EA 220"/16" - 24" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883D).....	2,309.60	806.94
11 68 13 00-0997 EA 200"/Ground Level - 8" Deck (60" Bury), Posts For CoolToppers, Single Post Shade (Landscape Structures® PlayBooster® 154883E).....	2,272.50	806.94
11 68 13 00-0998 EA Overhead Events Access/Landing Assembly Seat 8" Deck (Landscape Structures® PlayBooster® 141887A).....	761.55	80.70
11 68 13 00-0999 EA 132" Aluminum Posts, End Vertical Ladder (For Use With Ring Bridges) (Landscape Structures® PlayBooster® 116208A).....	1,957.21	161.39
11 68 13 00-1000 EA Square Poly Roof, Without Logo Panels (Landscape Structures® PlayBooster® 118110B).....	1,697.48	161.39
11 68 13 00-1001 EA 84" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 120873B).....	4,053.19	242.08
11 68 13 00-1002 EA 84" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 120873C).....	4,234.46	242.08
11 68 13 00-1003 EA 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 121416B).....	5,713.46	322.78
11 68 13 00-1004 EA 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 121416C).....	5,342.94	322.78
11 68 13 00-1005 EA 106"/72" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718A).....	765.26	80.70
11 68 13 00-1006 EA 98"/64" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718B).....	737.43	80.70
11 68 13 00-1007 EA 90"/56" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718C).....	709.60	80.70
11 68 13 00-1008 EA 82"/48" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718D).....	700.33	80.70
11 68 13 00-1009 EA 74"/40" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718E).....	614.52	40.34
11 68 13 00-1010 EA 66"/32" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718F).....	595.97	40.34
11 68 13 00-1011 EA 58"/24" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718G).....	568.14	40.34

**11 Equipment**  
**11 60 Entertainment and Recreation Equipment**  
**11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1012	EA		50"/16" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718H).....	558.87	40.34
11 68 13 00-1013	EA		42"/8" Deck, Flush Mount Posts For Decks, Round Caps (Landscape Structures® PlayBooster® 122718I).....	549.59	40.34
11 68 13 00-1014	EA		Square Peak Tile Roof, Without Logo Panels (Landscape Structures® PlayBooster® 129816B).....	1,883.00	161.39
11 68 13 00-1015	EA		32" Decks, Spring Across Bridge With 4 Tender Tuff-coated Handloops (Landscape Structures® PlayBooster® 136156B).....	6,086.22	322.78
11 68 13 00-1016	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 3 Handhold Panels (Landscape Structures® PlayBooster® 136157B).....	5,713.46	322.78
11 68 13 00-1017	EA		S-Disc Challenge, 123" Module, Disc Challenge, Max. 40" Decks, With 4 Handhold Panels (Landscape Structures® PlayBooster® 136157C).....	5,895.51	322.78
11 68 13 00-1018	EA		Hexagon Tenderdeck, With Extension, Brown Only (Landscape Structures® PlayBooster® 154752A).....	6,094.29	322.78
11 68 13 00-1019	EA		The Pinnacle Natural Climber (Landscape Structures® PlayBooster® 156066A).....	28,226.73	968.33
11 68 13 00-1020	EA		The Pointe Natural Climber (Landscape Structures® PlayBooster® 156068A).....	15,982.45	645.55
11 68 13 00-1021	EA		Natural Elements Climber Handholds, Extension Deck And Kick Panel Set, One Set Required Per Associated Deck (Landscape Structures® PlayBooster® 156070A).....	1,414.58	80.70
11 68 13 00-1022	EA		Bridge With Guardrails And Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230A).....	5,022.92	242.08
11 68 13 00-1023	EA		Bridge With Guardrails, Without Curbs, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156230B).....	4,522.01	242.08
11 68 13 00-1024	EA		Bridge With Barriers, Bridge Plank Brown Only (Landscape Structures® PlayBooster® 156231A).....	5,880.95	322.78
11 68 13 00-1025	EA		Ramp With Guardrails And Curbs, 3-Handrails Per Side (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232A).....	5,667.60	322.78
11 68 13 00-1026	EA		Ramp With Guardrails, Without Curbs, 3-Handrails Per Side, (Conforms To ASTM And TUV Standard) (Landscape Structures® PlayBooster® 156232B).....	5,041.47	242.08
11 68 13 00-1027	EA		Ramp With Guardrails And Curbs, 2-Handrails Per Side (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232C).....	4,800.29	242.08
11 68 13 00-1028	EA		Ramp With Guardrails, Without Curbs, 2-Handrails Per Side, (Conforms To CSA Standard) (Landscape Structures® PlayBooster® 156232D).....	4,299.39	242.08
11 68 13 00-1029	EA		Ramp With Barriers, Ramp Plank Brown Only (Landscape Structures® PlayBooster® 156233A).....	6,929.13	322.78
11 68 13 00-1030	EA		16" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156915A).....	765.26	80.70
11 68 13 00-1031	EA		24" Deck, Pod Climber With One Handhold Panel (Landscape Structures® PlayBooster® 156916A).....	1,127.02	80.70
11 68 13 00-1032	EA		24" Deck, Pod Climber With One Handhold Panel, And One Handloop (Landscape Structures® PlayBooster® 156916B).....	1,247.61	80.70
11 68 13 00-1033	EA		32" To 40" Deck, Pod Climber With Two Handhold Panels (Landscape Structures® PlayBooster® 157427A).....	1,892.28	161.39
11 68 13 00-1034	EA		32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handloop (Landscape Structures® PlayBooster® 157427B).....	2,022.14	161.39
11 68 13 00-1035	EA		32" To 40" Deck, Pod Climber With Two Handhold Panels, And One Handrail (Landscape Structures® PlayBooster® 157427C).....	2,114.90	161.39
11 68 13 00-1036	EA		32" To 40" Deck, Pod Climber With Two Handhold Panels, One Handloop And One Handrail (Landscape Structures® PlayBooster® 157427D).....	2,216.94	161.39
11 68 13 00-1037	EA		Starburst Climber, 64" And 72" Decks, (Direct Bury Only) (Landscape Structures® PlayBooster® 158425A).....	3,186.27	242.08
11 68 13 00-1038	EA		Ring-a-Bell Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 159459A).....	2,022.14	161.39
11 68 13 00-1039	EA		Ring-a-Bell™ Panel For Learning Wall (Landscape Structures® PlayBooster® 159460A).....	1,836.62	161.39
11 68 13 00-1040	EA		Stationary Cycler, Pedal Assembly, With Grab Bar, Without Post (Landscape Structures® PlayBooster® 160054A).....	1,498.06	80.70
11 68 13 00-1041	EA		Stationary Cycler, Handle Assembly, Without Post (Landscape Structures® PlayBooster® 160054B).....	1,173.40	80.70
11 68 13 00-1042	EA		Stationary Cycler, Pedals And Handles, Without Post (Landscape Structures® PlayBooster® 160054C).....	2,216.94	161.39
11 68 13 00-1043	EA		Stationary Cycler, Handle Assembly, Accessible, Without Post (Landscape Structures® PlayBooster® 160054D).....	1,173.40	80.70
11 68 13 00-1044	EA		(1) Aluminum Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251A).....	3,014.68	161.39
11 68 13 00-1045	EA		(1) Steel Post Gyro Twister Spinners (Landscape Structures® PlayBooster® 160251B).....	2,986.85	161.39
11 68 13 00-1046	EA		The Peak Natural Climber, 40" Deck (Landscape Structures® PlayBooster® 160420A).....	9,178.54	403.47
11 68 13 00-1047	EA		The Peak Natural Climber Connector, Connects Between 32" Deck And 40" Deck (Landscape Structures® PlayBooster® 160421A).....	9,651.62	403.47
11 68 13 00-1048	EA		The Stepper Natural Climbing Stone, 24" Deck (Landscape Structures® PlayBooster® 160422A).....	4,893.05	242.08
11 68 13 00-1049	EA		64" - 72" Decks, Escalator Climber With Single Barrier With Infill Permalene Panel (Landscape Structures® PlayBooster® 160693A).....	5,760.36	322.78
11 68 13 00-1050	EA		Single Barrier Handhold Panel With Infill, Permalene, Panel Only (Landscape Structures® PlayBooster® 160694A).....	867.29	80.70
11 68 13 00-1051	EA		Single Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160810A).....	4,957.99	242.08
11 68 13 00-1052	EA		Double Connector, 64" - 72" Decks, Escalator Climber Without Posts (Landscape Structures® PlayBooster® 160811A).....	9,772.21	403.47
11 68 13 00-1053	EA		RingTangle Climber, 24" - 48" Decks (Landscape Structures® PlayBooster® 164078A).....	3,186.27	242.08
11 68 13 00-1054	EA		Bongo Panel, Enclosure (2-Color Permalene) (Landscape Structures® PlayBooster® 164092A).....	1,349.65	80.70
11 68 13 00-1055	EA		Bongo Panel For Learning Wall (Landscape Structures® PlayBooster® 164093A).....	1,219.78	80.70
11 68 13 00-1056	EA		Wheelchair Accessible Bongo Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164094A).....	1,229.06	80.70
11 68 13 00-1057	EA		Rock-n-Ring Panel, Ground Level Panel (2 Color Permalene) (Landscape Structures® PlayBooster® 164145A).....	2,736.40	161.39
11 68 13 00-1058	EA		Rock-n-Ring™ Panel For Learning Wall (Landscape Structures® PlayBooster® 164146A).....	2,189.11	161.39
11 68 13 00-1059	EA		Bongo Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164147A).....	1,145.57	80.70
11 68 13 00-1060	EA		Wheelchair Accessible Ring-a-Bell Reach Panel, (2-Color Permalene) (Landscape Structures® PlayBooster® 164148A).....	1,331.09	80.70
11 68 13 00-1061	EA		Ring-a-Bell™ Reach Panel For Learning Wall (Landscape Structures® PlayBooster® 164149A).....	1,247.61	80.70
<b>11 68 13 00-1062</b>			<b>Playground Equipment (Landscape Structures® Evos™) <small>(11 68 13 00-0040)</small></b>		
11 68 13 00-1063	EA		Standard Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158650A).....	1,043.54	80.70
11 68 13 00-1064	EA		Customized Name On Age-Appropriate Welcome Sign, Ages 5 To 12 (Landscape Structures® Evos™ 158651A).....	1,219.78	80.70
11 68 13 00-1065	EA		Salom Glider (Direct Bury Only) (Landscape Structures® Evos™ 156456A).....	4,642.60	242.08
11 68 13 00-1066	EA		Hang Glider (Direct Bury Only) (Landscape Structures® Evos™ 156465A).....	3,594.41	242.08
11 68 13 00-1067	EA		Helix Net Climber (Direct Bury Only) (Landscape Structures® Evos™ 156449A).....	8,356.49	228.63
11 68 13 00-1068	EA		Crescent Climber (Direct Bury Only) (Landscape Structures® Evos™ 156461A).....	6,502.44	322.78
11 68 13 00-1069	EA		RingTangle Climber With Two E-Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156462A).....	4,343.46	201.74
11 68 13 00-1070	EA		Web Link Climber (Direct Bury Only) (Landscape Structures® Evos™ 156912A).....	8,918.84	242.08
11 68 13 00-1071	EA		Wobble Pod Bouncer (Direct Bury Only) (Landscape Structures® Evos™ 156452A).....	2,133.46	161.39
11 68 13 00-1072	EA		Gyro Twister Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156459A).....	2,752.64	121.04
11 68 13 00-1073	EA		E-Pod Step (Landscape Structures® Evos™ 156454A).....	432.50	26.90
11 68 13 00-1074	EA		Cycler With E-Pod Step (Direct Bury Only) (Landscape Structures® Evos™ 156467A).....	1,943.31	80.70
11 68 13 00-1075	EA		8" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959A).....	1,408.79	67.24

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
	11 68	13	00-1076	EA 16" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959B) .....	1,418.06	67.24	
	11 68	13	00-1077	EA 24" Pod, With One E-Pod Step, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 156959C) .....	1,427.34	67.24	
	11 68	13	00-1078	EA Swiggle Stix Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156450A) .....	8,063.11	363.13	
	11 68	13	00-1079	EA PodStomper Bridge (Direct Bury Only) (Landscape Structures® Evos™ 156464A) .....	8,278.79	242.08	
	11 68	13	00-1080	EA ArcOver Ladder With Two E-Pod Steps, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 156457A) .....	3,636.17	161.39	
	11 68	13	00-1081	EA Bow Ladder With Four E-Pod Steps, Overhead Events (Landscape Structures® Evos™ 156463A) .....	3,881.99	80.70	
	11 68	13	00-1082	EA 2-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 156436A) .....	33,977.85	968.33	
	11 68	13	00-1083	EA 3-Arch Mainstructure, Small (Landscape Structures® Evos™ 157106A) .....	38,402.42	1,452.50	
	11 68	13	00-1084	EA Additional Small Arch For Mainstructure, #3 Only (Landscape Structures® Evos™ 156545A) .....	4,433.86	484.17	
	11 68	13	00-1085	EA 16" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156A) .....	1,994.32	161.39	
	11 68	13	00-1086	EA 24" Pod, With Two E-Pod Steps, Noodle Pod Steps (Direct Bury Only) (Landscape Structures® Evos™ 164156B) .....	2,012.87	161.39	
	11 68	13	00-1087	EA Ring-a-Bell Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164150A) .....	1,331.09	80.70	
	11 68	13	00-1088	EA Bongo Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 164095A) .....	1,229.06	80.70	
	11 68	13	00-1089	EA Noodle Post, 1 Post Only (Direct Bury Only) (Landscape Structures® Evos™ 161774A) .....	1,052.81	80.70	
	11 68	13	00-1090	EA Periscope Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161775A) .....	2,179.84	161.39	
	11 68	13	00-1091	EA Match 3 Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161776A) .....	1,127.02	80.70	
	11 68	13	00-1092	EA Chimes Reach Panel (Landscape Structures® Evos™ 161777A) .....	1,827.35	161.39	
	11 68	13	00-1093	EA Trail Tracker Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161778A) .....	718.88	80.70	
	11 68	13	00-1094	EA Navigator Reach Panel (2-Color Permalene) (Landscape Structures® Evos™ 161779A) .....	978.61	80.70	
	11 68	13	00-1095	EA Image Reach Panel, 75 Play Blocks (Landscape Structures® Evos™ 161780A) .....	1,256.89	80.70	
	11 68	13	00-1096	EA Chatter Noodle Talk Tube Kit, Two Noodle Posts And Tubing (Direct Bury Only) (Landscape Structures® Evos™ 156453A) .....	2,931.19	161.39	
	11 68	13	00-1097	EA Blender Spinner (Direct Bury Only) (Landscape Structures® Evos™ 156460A) .....	3,594.41	242.08	
	11 68	13	00-1098	EA BalanceWinder Climber (Direct Bury Only) (Landscape Structures® Evos™ 160252A) .....	6,344.75	322.78	
	11 68	13	00-1099	EA Overhead Explorer Parallel Bar, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160253A) .....	2,615.81	161.39	
	11 68	13	00-1100	EA Overhead Trekker Ladder, With (1) E-Pod Step, Overhead Events (Direct Bury Only) (Landscape Structures® Evos™ 160254A) .....	2,847.71	161.39	
	11 68	13	00-1101	EA 3-Arch Mainstructure, Large With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160356A) .....	38,940.43	1,452.50	
	11 68	13	00-1102	EA 4-Arch Mainstructure With Hemisphere Climber And O-Zone Climber (Landscape Structures® Evos™ 160357A) .....	42,558.07	1,452.50	
	11 68	13	00-1103	EA Additional Large Arch For Mainstructure, #4 Only (Landscape Structures® Evos™ 160358A) .....	4,549.84	242.08	
	11 68	13	00-1104	EA Additional Arches For Mainstructure, #3 And #4 Only (Landscape Structures® Evos™ 160359A) .....	8,445.74	403.47	
	11 68	13	00-1105	EA Power Lifter Chinning Bar (Landscape Structures® Evos™ 160208A) .....	2,040.70	161.39	
	11 68	13	00-1106	EA Accessible Power Lifter Chinning Bar (Landscape Structures® Evos™ 160209A) .....	2,550.88	161.39	
	11 68	13	00-1107	EA TwirlWind Turning Bar (Landscape Structures® Evos™ 160210A) .....	2,550.88	161.39	
	11 68	13	00-1108	<b>Playground Equipment (Landscape Structures® Weevos™)</b> <small>(11 68 13 00-0040)</small>			
	11 68	13	00-1109	EA Safety Sign, Weevos Welcome Sign, Ages 2 to 5, Direct Bury (Landscape Structures® Weevos™ 164529A) .....	1,043.54	80.70	
	11 68	13	00-1110	EA ChitterChatter Noodle™ Talk Tube Kit (Landscape Structures® Weevos™ 164177A) .....	2,662.19	161.39	
	11 68	13	00-1111	<b>Playground Equipment (Landscape Structures® Parts)</b> <small>(11 68 13 00-0040)</small>			
	11 68	13	00-1112	EA 52-9/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (8') (Landscape Structures® 160110A) .....	121.04	40.34	
	11 68	13	00-1113	EA 66-15/16" Long, TenderTuff-Coated Chain, Brown, Front Chain for Molded Bucket Seat (8') (Landscape Structures® 160112A) .....	126.61	40.34	
	11 68	13	00-1114	EA Pivot Block Swing Hardware With Bearing For Molded Bucket Seat (Landscape Structures® 160307A) .....	119.19	40.34	
	11 68	13	00-1115	EA Play It Safe Label, 2-5 Years (Landscape Structures® 156845A) .....	15.30	8.07	
	11 68	13	00-1116	EA Play It Safe Label, 2-12 Years (Landscape Structures® 156846A) .....	15.30	8.07	
	11 68	13	00-1117	EA Play It Safe Label, 5-12 Years (Landscape Structures® 156847A) .....	15.30	8.07	
	11 68	13	00-1118	EA Play It Safe Label, 8-12 Years (Landscape Structures® 156848A) .....	15.30	8.07	
	11 68	13	00-1119	EA D-Ring with Stainless Steel Bolt Link, Brown TenderTuff-coated Only (Landscape Structures® 130923A) .....	180.41	40.34	
	11 68	13	00-1120	EA (2) Stainless Steel Double Clevis Swing Hardware With Bolts (Landscape Structures® 132634A) .....	91.83	16.14	
	11 68	13	00-1121	EA (2) Stainless Steel Bolt Links Swing Hardware With Bolts For Use With TenderTuff-Coated Chain (Landscape Structures® 132635A) .....	58.44	16.14	
	11 68	13	00-1122	EA (2) Stainless Steel Bolt Links Swing Hardware With Bolts And Chain Spacers For Use With Uncoated Chain (Landscape Structures® 132672A) .....	60.29	16.14	
	11 68	13	00-1123	EA 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136065A) .....	117.11	20.17	
	11 68	13	00-1124	EA 3-1/2" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 136066A) .....	117.11	20.17	
	11 68	13	00-1125	EA TenderTuff Repair Kit (Landscape Structures® 138717A) .....	12.06		
	11 68	13	00-1126	EA Anti-Wrap, 2-3/8" Pipe, Swing Hangers, Excludes Chain (Landscape Structures® 140739A) .....	152.36	20.17	
	11 68	13	00-1127	EA (2) Aluminum Clevis Swing Hardware For Anti-Wrap Hanger With Bolts (Landscape Structures® 141267A) .....	97.40	16.14	
	11 68	13	00-1128	EA 65" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (8') (Landscape Structures® 141730A) .....	124.75	40.34	
	11 68	13	00-1129	EA 43-3/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (6') Toddler Swing (Landscape Structures® 141739A) .....	114.55	40.34	
	11 68	13	00-1130	EA 87-13/16" Long, TenderTuff-Coated Chain, Brown, Half-Bucket Seat (10') (Landscape Structures® 141766A) .....	150.72	40.34	
	11 68	13	00-1131	EA 29-7/8" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (6') Toddler Swing (Landscape Structures® 152016A) .....	109.91	40.34	
	11 68	13	00-1132	EA 49-13/16" Long, TenderTuff-Coated Chain, Brown, Tire Swing, Half-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152048A) .....	119.19	40.34	
	11 68	13	00-1133	EA 67-7/8" Long, TenderTuff-Coated Chain, Brown, Belt Seat (8'), Flat Seat (8') (Landscape Structures® 152050A) .....	128.46	40.34	
	11 68	13	00-1134	EA 76-7/16" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (10') (Landscape Structures® 152051A) .....	137.74	40.34	
	11 68	13	00-1135	EA 90-11/16" Long, TenderTuff-Coated Chain, Brown, Belt Seat (10'), Flat Seat (10'), 16" Deck Ascending Chain (Landscape Structures® 152052A) .....	156.29	40.34	
	11 68	13	00-1136	EA 37-1/2" Long, TenderTuff-Coated Chain, Brown, Full-Bucket Seat (7') 2" Arch Swing (Landscape Structures® 152053A) .....	112.69	40.34	
	11 68	13	00-1137	EA 121-1/16" Long, TenderTuff-Coated Chain, Brown, Rear Chain for Molded Bucket Seat (8') (Landscape Structures® 152067A) .....	178.55	40.34	
	11 68	13	00-1138	EA Tire Swing Hanger, Stainless Steel, Excludes Chain, 1997 And Later (Landscape Structures® 121609A) .....	848.74	80.70	
	11 68	13	00-1139	EA Twin Rim Basketball Goal And Chain Net (Landscape Structures® 100080A) .....	336.24	40.34	
	11 68	13	00-1140	EA Twin Rim Basketball Goal And Nylon Net (Landscape Structures® 100081A) .....	326.97	40.34	
	11 68	13	00-1141	EA Nylon Basketball Net (Landscape Structures® 100082A) .....	59.60	20.17	
	11 68	13	00-1142	EA Chain Basketball Net (Landscape Structures® 100083A) .....	72.59	20.17	
	11 68	13	00-1143	EA Basketball Frame Set Only, Moveable (Landscape Structures® 100099A) .....	1,498.06	80.70	



**11 Equipment****11 60 Entertainment and Recreation Equipment****11 68 Play Field Equipment and Structures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-1144	EA		Basketball Frame Set Only, Direct Bury (Landscape Structures® 100100A) .....	1,247.61	80.70
11 68 13 00-1145	EA		Warning Label (Landscape Structures® 115176A).....	0.19	
11 68 13 00-1146	EA		PS Spare Parts Kit (Landscape Structures® 107040A).....	63.08	
11 68 13 00-1147	EA		PB Spare Parts Kit (Landscape Structures® 107043A).....	137.28	
11 68 13 00-1148	EA		Tire With Ring And Hardware, Excludes Chain (Landscape Structures® 107329A) .....	830.19	80.70
11 68 13 00-1149	EA		5" Swing Hanger Clamp Assembly, Complete, Excludes Chain (Landscape Structures® 111418A).....	180.41	40.34
11 68 13 00-1150	EA		Tire Swing Hanger, Stainless Steel, Excludes Chain, 1996 And Prior (Landscape Structures® 116997A).....	978.61	80.70
<b>11 68 13 00-1151</b>			<b>Playground Equipment (Landscape Structures® Site Furniture) <small>(11 68 13 00-0040)</small></b>		
11 68 13 00-1152	EA		60" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640A) .....	1,636.04	147.94
11 68 13 00-1153	EA		60" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640B) .....	860.34	121.04
11 68 13 00-1154	EA		60" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640C).....	1,441.24	147.94
11 68 13 00-1155	EA		60" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640D).....	841.78	121.04
11 68 13 00-1156	EA		96" Recycled Contour Series Bench With Back, Surface Mount (Landscape Structures® 111640E) .....	2,331.74	147.94
11 68 13 00-1157	EA		96" Recycled Contour Series Bench Without Back, Surface Mount (Landscape Structures® 111640F).....	1,110.79	121.04
11 68 13 00-1158	EA		96" Recycled Contour Series Bench With Back, Direct Bury (Landscape Structures® 111640G).....	2,034.90	147.94
11 68 13 00-1159	EA		96" Recycled Contour Series Bench Without Back, Direct Bury (Landscape Structures® 111640H).....	1,082.96	121.04
11 68 13 00-1160	EA		Optional Brown Dome, Litter Receptacle (Landscape Structures® 100095A).....	424.36	121.04
11 68 13 00-1161	EA		32-Gallon Polyethylene Container, Litter Receptacle (Landscape Structures® 141682A) .....	272.24	121.04
11 68 13 00-1162	EA		Optional Cover for TenderTuff-Coated Litter Receptacle (Landscape Structures® 141686A).....	320.24	107.60
11 68 13 00-1163	EA		Litter Receptacle With Recycled Polyethylene Slats and Liner, (Direct Bury Only) (Landscape Structures® 100094A).....	1,036.58	121.04
11 68 13 00-1164	EA		Litter Receptacle With TenderTuff-Coated Panels and Liner, Direct Bury (Landscape Structures® 141685A).....	891.64	107.60
11 68 13 00-1165	EA		Litter Receptacle With TenderTuff-Coated Panels and Liner, Surface Mount (Landscape Structures® 141685B) .....	891.64	107.60
11 68 13 00-1166	EA		Loop Rack, Direct Bury, Powdercoated (Landscape Structures® 100102A) .....	542.63	80.70
11 68 13 00-1167	EA		Loop Rack, Direct Bury, TenderTuff-Coated (Landscape Structures® 100102B).....	793.09	80.70
11 68 13 00-1168	EA		60" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139A).....	2,648.24	403.47
11 68 13 00-1169	EA		60" Poly Picnic Table, (1) 60" Seat (2) 14" Seats, Moveable (Landscape Structures® 113139B).....	2,555.48	403.47
11 68 13 00-1170	EA		60" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139C).....	2,425.61	403.47
11 68 13 00-1171	EA		84" Poly Picnic Table, (2) 60" Seats, Moveable (Landscape Structures® 113139D).....	3,269.73	403.47
11 68 13 00-1172	EA		84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Moveable (Landscape Structures® 113139E).....	3,167.69	403.47
11 68 13 00-1173	EA		84" Poly Picnic Table, (4) 14" Seats, Moveable (Landscape Structures® 113139F).....	3,028.55	403.47
11 68 13 00-1174	EA		60" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139G).....	2,768.83	403.47
11 68 13 00-1175	EA		60" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139H) .....	2,648.24	403.47
11 68 13 00-1176	EA		60" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139I).....	2,518.37	403.47
11 68 13 00-1177	EA		84" Poly Picnic Table, (2) 60" Seats, Direct Bury (Landscape Structures® 113139J).....	3,390.32	403.47
11 68 13 00-1178	EA		84" Poly Picnic Table, (1) 60" Seat, (2) 14" Seats, Direct Bury (Landscape Structures® 113139K).....	3,269.73	403.47
11 68 13 00-1179	EA		84" Poly Picnic Table, (4) 14" Seats, Direct Bury (Landscape Structures® 113139L).....	3,121.31	403.47
11 68 13 00-1180	EA		70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088A).....	860.34	121.04
11 68 13 00-1181	EA		70" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088B).....	943.82	121.04
11 68 13 00-1182	EA		94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088C).....	925.27	121.04
11 68 13 00-1183	EA		94" Recycled Polyethylene Bench Without Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088D).....	1,008.75	121.04
11 68 13 00-1184	EA		70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088E).....	1,249.93	121.04
11 68 13 00-1185	EA		70" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088F).....	1,166.44	121.04
11 68 13 00-1186	EA		94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Surface Mount (Landscape Structures® 100088G).....	1,324.14	121.04
11 68 13 00-1187	EA		94" Recycled Polyethylene Bench With Back, 2 x 4 Recycled Polyethylene Slats, Direct Bury (Landscape Structures® 100088H).....	1,240.65	121.04
11 68 13 00-1188	EA		Arm Rest, 1 Only, Fits All Benches With Back (Landscape Structures® 114767A).....	176.48	26.90
11 68 13 00-1189	EA		72", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683A).....	867.29	80.70
11 68 13 00-1190	EA		72", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683B).....	885.85	80.70
11 68 13 00-1191	EA		72", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683C).....	570.46	80.70
11 68 13 00-1192	EA		72", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683D) .....	598.29	80.70
11 68 13 00-1193	EA		92", TenderTuff-Coated Steel Bench With Back, Direct Bury (Landscape Structures® 141683E).....	885.85	80.70
11 68 13 00-1194	EA		92", TenderTuff-Coated Steel Bench With Back, Surface Mount (Landscape Structures® 141683F).....	922.95	80.70
11 68 13 00-1195	EA		92", TenderTuff-Coated Steel Bench Without Back, Direct Bury (Landscape Structures® 141683G).....	598.29	80.70
11 68 13 00-1196	EA		92", TenderTuff-Coated Steel Bench Without Back, Surface Mount (Landscape Structures® 141683H) .....	635.39	80.70
11 68 13 00-1197	EA		72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684A).....	2,068.51	322.78
11 68 13 00-1198	EA		72" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684B).....	2,161.27	322.78
11 68 13 00-1199	EA		92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684C).....	2,170.55	322.78
11 68 13 00-1200	EA		92" TenderTuff-Coated Picnic Table, (2) 92" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684D).....	2,309.69	322.78
11 68 13 00-1201	EA		92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Moveable (Landscape Structures® 141684E).....	2,124.17	322.78
11 68 13 00-1202	EA		92" TenderTuff-Coated Picnic Table, (2) 72" Seats, TenderTuff-Coated Steel, Direct Bury (Landscape Structures® 141684F).....	2,235.48	322.78
11 68 13 00-1203	EA		Square Picnic Table With 4 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345A).....	1,909.69	67.24
11 68 13 00-1204	EA		Square Picnic Table With 3 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345B).....	1,733.45	67.24
11 68 13 00-1205	EA		Square Picnic Table With 2 Seats, TenderTuff-Coated Steel, Movable (Landscape Structures® 154345C).....	1,585.03	67.24
11 68 13 00-1206	EA		Kish Valley Grill, (Direct Bury Only) (Landscape Structures® 100101A).....	858.02	80.70
11 68 13 00-1207	EA		Loop Rack, Surface Mount, Powdercoated (Landscape Structures® 100102C).....	737.43	80.70
11 68 13 00-1208	EA		Loop Rack, Surface Mount, TenderTuff-Coated (Landscape Structures® 100102D).....	987.88	80.70

**11 68 23 Exterior Court Athletic Equipment (11 68)**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**11 68 23 13 Exterior Basketball Equipment** (11 68 23)

**11 68 23 13-0001 Basketball Systems** (11 68 23 13)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System (Sportsplay 541-616).....	2,575.66	293.08
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00176-230) .....	4,536.79	322.39
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00164-230) .....	2,948.60	293.08
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0005	EA	5-9/16" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System (Porter Athletic 00166-230) .....	4,536.79	322.39
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-133.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	350.00	
11 68 23 13-0006	EA	Back To Back 6" Galvanized Steel Pole With 5' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System (Porter Athletic 195582) .....	8,114.63	474.10
		<i>For Fan Shaped Fiberglass Backboard, Deduct</i>	-498.00	
		<i>For 42" x 72" Perforated Steel Backboard, Add</i>	700.00	

**11 68 23 13-0007 Basketball Components** (11 68 23 13)

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0008	EA	Anti-Whip, Nylon Cord Basketball Net (Porter Athletic 09608-120) .....	40.15	12.39
11 68 23 13-0009	EA	Chain Basketball Net (Porter Athletic 00161-000) .....	67.26	12.39
11 68 23 13-0010	EA	Heavy Duty Goal Ring (Porter Athletic 00235-000) .....	154.01	61.93
11 68 23 13-0011	EA	Goal Ring For Steel Net (Porter Athletic 00251-H00) .....	269.53	27.87
11 68 23 13-0012	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000) .....	1,512.72	52.65
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0013	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300) .....	1,937.63	52.65
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300) .....	995.77	46.45
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000) .....	1,087.45	46.45
		Note: Includes perimeter and target markings. Excludes pole and goal.		

**11 68 23 33 Tennis Equipment** (11 68 23)

**11 68 23 33-0001 Tennis Court Net Posts** (11 68 23 33)

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder .....	1,415.84	210.66
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder .....	1,732.22	210.66
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder .....	1,784.95	210.66
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder .....	1,876.13	210.66
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder .....	2,200.80	210.66
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts .....	350.66	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts .....	390.08	

**11 68 23 33-0009 Tennis Court Nets** (11 68 23 33)

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net .....	716.66	208.19
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net .....	779.58	208.19
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net .....	1,638.61	320.33
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap .....	95.18	

**11 68 33 Athletic Field Equipment** (11 68)

**11 68 33 13 Football Field Equipment** (11 68 33)

**11 68 33 13-0001 Football Goal Posts** (11 68 33 13)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape" .....	6,395.92	557.44
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights .....	8,787.46	719.88
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights .....	10,494.15	863.85

**11 68 33 23 Soccer and Field Hockey Equipment** (11 68 33)

**11 68 33 23-0001 Soccer Goal Posts** (11 68 33 23)

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts .....	5,420.51	371.75
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post .....	6,542.72	557.44

**11 68 33 33 Baseball Field Equipment** (11 68 33)

**11 68 33 33-0001 Bases** (11 68 33 33)

11 68 33 33-0002	SET	Bases For Baseball Or Softball .....	621.15	
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**11 80 Facility Maintenance and Operation Equipment** (11)

**11 81 Maintenance Equipment** (11 80)

**11 Equipment**  
**11 80 Facility Maintenance and Operation Equipment**  
**11 81 Maintenance Equipment**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**11 81 29 Facility Fall Protection (11 81)**

11 81 29 00-0001	EA	Safety And Tie-Back Anchors (11 81 29) Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0081 for engineering testing and inspection.		
11 81 29 00-0002	EA	Roof Mounted, Safety And Tie-Back Anchors (11 81 29 00-0001) Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	841.49	102.56
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	725.11	102.56
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	610.29	137.15
		For Stainless Steel Pad Eye, Add	40.00	
		For Foam Insulation Filled HSS Tube, Add	10.00	
11 81 29 00-0006	EA	Wall Mounted, Safety And Tie-Back Anchor (11 81 29 00-0001) Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.		
11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	594.90	102.56
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	538.26	102.56
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor).....	548.07	137.15
		For Stainless Steel Pad Eye, Add	40.00	
11 81 29 00-0010	EA	Safety And Tie-Back Anchor Accessories (11 81 29 00-0001)		
11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor).....	452.54	
		Note: One cut sheet required per order.		
11 81 29 00-0012	EA	Ladder Safety And Fall Protection (11 81 29)		
11 81 29 00-0013	EA	Galvanized Standard Top Bracket With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6116280).....	345.00	30.25
11 81 29 00-0014	EA	Galvanized 1x7 Cable, 3/8" 24' Long (Captial Safety Group-USA Lad-Saf™ 6110024).....	50.55	4.40
11 81 29 00-0015	EA	Galvanized 1x7 Cable, 3/8" 30' Long (Captial Safety Group-USA Lad-Saf™ 6110030).....	63.19	11.00
11 81 29 00-0016	EA	Galvanized 1x7 Cable, 3/8" 40' Long (Captial Safety Group-USA Lad-Saf™ 6110040).....	84.25	7.34
11 81 29 00-0017	EA	Galvanized 1x7 Cable, 3/8" 50' Long (Captial Safety Group-USA Lad-Saf™ 6110050).....	105.32	9.17
11 81 29 00-0018	EA	Non-metallic Cable Guide With Mounting Hardware (Captial Safety Group-USA Lad-Saf™ 6110400).....	69.90	6.88
11 81 29 00-0019	EA	Flexible Cable Sleeve (Captial Safety Group-USA Lad-Saf™ 6160054).....	612.29	18.33
11 81 29 00-0020	EA	Galvanized Standard Bottom Bracket (Captial Safety Group-USA Lad-Saf™ 6100090).....	164.89	18.15
11 81 29 00-0021	EA	Fail-Arrest Systems (11 81 29)		
11 81 29 00-0022	LF	Horizontal (11 81 29 00-0021)		
11 81 29 00-0023	LF	Trolley Rail Fall Arrest System.....	824.09	54.97
		Note: Price per LF of trolley rail. Includes engineering, certification, design, fabrication, delivery, installation, training materials, equipment and five year warranty.		
11 81 29 00-0024	EA	Anchor Points (11 81 29 00-0021)		
11 81 29 00-0025	EA	Roof Anchor, 16" x 16" Base With 12" High Post.....	680.03	
		Note: Guardian CD-12 series		
11 81 29 00-0026	EA	Roof Anchor, 12" x 12" Base With 18" High Post.....	792.78	
		Note: Guardian CD-18 series		
11 81 29 00-0027	EA	Bolt On Roof Anchor.....	304.51	
		Note: Guardian CD-1-B series		
11 81 29 00-0028	EA	Fall Arrest Anchor Attachment To 2" x 8" Stud.....	146.28	
		Note: Super Anchor ARS 2x8		
11 81 29 00-0029	EA	Fall Arrest Anchor Attachment To 2" x 12" Stud.....	170.24	
		Note: Super Anchor ARS 2x12		

**11 90 Other Equipment (11)**

**11 98 Detention Equipment (11 98)**

**11 98 12 Detention Doors and Frames (11 98)**

11 98 12 00-0001	EA	Swinging Detention Doors (11 98 12) Note: Excludes hinges or locking mechanisms. As manufactured by American Jail Products.		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0002	EA		Heavy Duty Steel Swinging Detention Door ..... Note: Up To 40" W x Up To 90" H	3,776.07	703.87
11 98 12 00-0003	EA		Grating Swinging Detention Door ..... Note: Up To 40" W x Up To 90" H	3,380.87	615.89
11 98 12 00-0004	EA		Woven Swinging Detention Door ..... Note: Up To 40" W x Up To 90" H	3,216.08	527.90
11 98 12 00-0005	EA		Perforated Plate Swinging Detention Door ..... Note: Up To 40" W x Up To 90" H	3,139.27	527.90
<b>11 98 12 00-0006</b>			<b>Sliding Detention Doors</b> <sup>(11 98 12)</sup> Note: Excludes sliding mechanisms hardware.		
11 98 12 00-0007	EA		Heavy Duty Steel Sliding Detention Door ..... Note: Up To 40" W x Up To 90" H	3,776.07	703.87
11 98 12 00-0008	EA		Grating Sliding Detention Door ..... Note: Up To 40" W x Up To 90" H	3,380.87	615.89
11 98 12 00-0009	EA		Woven Sliding Detention Door ..... Note: Up To 40" W x Up To 90" H	3,216.08	527.90
11 98 12 00-0010	EA		Perforated Plate Sliding Detention Door ..... Note: Up To 40" W x Up To 90" H	3,139.27	527.90
<b>11 98 12 00-0011</b>			<b>Frames For Swinging And Sliding Detention Doors</b> <sup>(11 98 12)</sup> Note: Includes frames for heavy duty steel doors, grating doors, woven doors, and perforated doors.		
11 98 12 00-0012	EA		Frames For Hollow Steel Swinging And Sliding Detention Door ..... Note: Up To 40" W x Up To 90" H	2,195.26	351.94
<b>11 98 12 00-0013</b>			<b>Detention Door Accessories</b> <sup>(11 98 12)</sup> See CSI section 02 41 19 13-0016 for torch cutting existing door to prepare for devices.		
11 98 12 00-0014	EA		8" x 16", Welded Observation Panels For Heavy Duty Steel Detention Doors ..... 849.06	849.06	234.62
11 98 12 00-0015	EA		Food/Cuff Passes For 1-3/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-1.7) ..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	1,120.08	234.62
			<i>For Security Lock, Add</i> ..... 608.89	608.89	
			<i>Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17</i>		
11 98 12 00-0016	EA		Food/Cuff Passes For 2" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.0) ..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	1,137.67	234.62
			<i>For Security Lock, Add</i> ..... 608.89	608.89	
			<i>Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17</i>		
11 98 12 00-0017	EA		Food/Cuff Passes For 2-1/4" Thick, Hollow Steel Detention Doors (Detention Device Systems 7266-2.2) ..... Note: Heavy duty construction, 7 gauge steel door with 10 gauge reinforcement plate, 10 gauge steel frame, 15" x 5" pass-thru clear opening, No. 3 Food Pass hinges with 90 degree stops, welded to door, USP primed for painting.	1,155.27	234.62
			<i>For Security Lock, Add</i> ..... 608.89	608.89	
			<i>Note: lock options: Southern Steel Model 1017, Folger Adams Model 17, or Midwest Portland Model 17</i>		
11 98 12 00-0018	EA		Tool Resistant Grating Detention Doors ..... 5,312.17	5,312.17	703.87
11 98 12 00-0019	EA		Food Pass Doors For Grating Detention Doors ..... 695.45	695.45	234.62
11 98 12 00-0020	EA		Food Pass Doors For Woven Detention Doors ..... 695.45	695.45	234.62
11 98 12 00-0021	EA		Food Pass Door Assembly With 1010A Or 1017A Lock (Southern Folger 262) ..... 1,476.49	1,476.49	234.62
11 98 12 00-0022	EA		Food Pass Door Assembly With 1010AM Or 1017AM Lock (Southern Folger 262) ..... 1,958.25	1,958.25	234.62
<b>11 98 14</b>			<b>Detention Door Hardware</b> <sup>(11 98)</sup>		
<b>11 98 14 00-0001</b>			<b>Prison Deadlocks and Deadlatches</b> <sup>(11 98 14)</sup>		
11 98 14 00-0002	EA		Prison Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1010A-1) ..... 969.78	969.78	137.51
11 98 14 00-0003	EA		Prison Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1010A-2) ..... 982.27	982.27	137.51
11 98 14 00-0004	EA		Prison Deadlock, Keyed One Side, For Swinging Doors (Southern Folger 1010AM-1) ..... 1,528.27	1,528.27	137.51
11 98 14 00-0005	EA		Prison Deadlock, Keyed Both Sides, For Swinging Doors (Southern Folger 1010AM-2) ..... 2,218.79	2,218.79	137.51
11 98 14 00-0006	EA		Automatic Prison Deadlock, Keyed One Side, For Sliding Doors (Southern Folger 1030A-1) ..... 2,320.50	2,320.50	137.51
11 98 14 00-0007	EA		Automatic Prison Deadlock, Keyed Both Sides, For Sliding Doors (Southern Folger 1030A-2) ..... 2,320.50	2,320.50	137.51
11 98 14 00-0008	EA		Automatic Prison Deadlock, Knob Function, Keyed One Side, For Sliding Doors (Southern Folger 1030AK) ..... 2,507.85	2,507.85	137.51
11 98 14 00-0009	EA		Prison Deadlock, Keyed One Or Both Sides, For Sliding Doors (Southern Folger 1030AD) ..... 1,936.87	1,936.87	137.51
11 98 14 00-0010	EA		Prison Deadlock, Knob Function, Keyed One Side, For Sliding Doors (Southern Folger 1030ADK) ..... 2,400.79	2,400.79	137.51
11 98 14 00-0011	EA		Prison CREMONE Bolt Set With Snaplatch, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10370A) ..... 4,600.16	4,600.16	137.51
11 98 14 00-0012	EA		Prison CREMONE Bolt Set With Deadlock, Active, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10380AA) ..... 4,914.20	4,914.20	137.51
11 98 14 00-0013	EA		Prison CREMONE Bolt Set With Deadlock, Inactive, Keyed One Or Both Sides, For Swinging Doors (Southern Folger 10380AI) ..... 4,589.46	4,589.46	137.51
11 98 14 00-0014	EA		Keys For Prison Deadlock ..... 46.18	46.18	
11 98 14 00-0015	EA		115 Volt AC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1) ..... 4,395.35	4,395.35	183.35
11 98 14 00-0016	EA		115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2) ..... 5,502.21	5,502.21	183.35
11 98 14 00-0017	EA		24 Volt DC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1) ..... 4,680.38	4,680.38	183.35
11 98 14 00-0018	EA		24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2) ..... 5,644.76	5,644.76	183.35
11 98 14 00-0019	EA		24 Volt DC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-1) ..... 2,356.39	2,356.39	102.51
11 98 14 00-0020	EA		24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-2) ..... 2,786.66	2,786.66	102.51

**11 Equipment**  
**11 90 Other Equipment**  
**11 98 Detention Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>11 98 14 00-0021</b>			<b>Detention Door Hardware</b> <small>(11 98 14)</small>		
			Note: Includes hardware for all door types and all hardware group types.		
11 98 14 00-0022	EA		Hinges For Detention Door .....	521.29	91.67
11 98 14 00-0023	EA		Door Closer For Detention Door .....	812.66	137.51
11 98 14 00-0024	EA		Escutcheon For Detention Door .....	138.02	22.92
11 98 14 00-0025	EA		Cylinder Shield For Detention Door .....	138.02	22.92
11 98 14 00-0026	EA		Door Pulls For Detention Door .....	138.02	22.92
11 98 14 00-0027	EA		Surface Overhead Stop For Detention Door .....	935.33	160.44
11 98 14 00-0028	EA		Protection Plate For Detention Door .....	230.18	22.92
11 98 14 00-0029	EA		Astragal For Detention Door .....	245.29	45.85
11 98 14 00-0030	EA		Floor Stop For Detention Door .....	140.98	32.08

**11 98 21 Detention Windows** (11 98)

<b>11 98 21 00-0001</b>			<b>Steel Detention Windows</b> <small>(11 98 21)</small>		
			Note: As manufactured by Hope Windows. Includes finish. Excludes glazing. Demo excludes cut-outs. UI=height + width		

<b>11 98 21 00-0002</b>			<b>Series S10. Fixed Over Awning Steel Detention Windows</b> <small>(11 98 21 00-0001)</small>		
11 98 21 00-0003	UI		Maximum Security Fixed Over Awning Steel Detention Windows .....	98.17	6.84
			Note: Series S10.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0004	UI		Medium Security Fixed Over Awning Steel Detention Windows .....	94.17	6.84
			Note: Series S10.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	

<b>11 98 21 00-0005</b>			<b>Series S20. Side Hung Operable Steel Detention Windows</b> <small>(11 98 21 00-0001)</small>		
11 98 21 00-0006	UI		Maximum Security Side Hung Operable Steel Detention Windows .....	104.00	6.84
			Note: Series S20.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0007	UI		Medium Security Side Hung Operable Steel Detention Windows .....	99.70	6.84
			Note: Series S20.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	

<b>11 98 21 00-0008</b>			<b>Series S30. Fixed Steel Detention Windows</b> <small>(11 98 21 00-0001)</small>		
11 98 21 00-0009	UI		Maximum Security Fixed Steel Detention Windows Series S30 .....	41.79	6.84
			Note: Series S30.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0010	UI		Medium Security Fixed Steel Detention Windows Series S30 .....	40.72	6.84
			Note: Series S30.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	

<b>11 98 21 00-0011</b>			<b>Series S40. Fixed Guard Frame Steel Detention Windows</b> <small>(11 98 21 00-0001)</small>		
11 98 21 00-0012	UI		Maximum Security Fixed Guard Frame Steel Detention Windows .....	77.55	6.84
			Note: Series S40.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0013	UI		Medium Security Fixed Guard Frame Steel Detention Windows .....	74.51	6.84
			Note: Series S40.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	

<b>11 98 21 00-0014</b>			<b>Series S41 And S42. Operable Guard Frame Steel Detention Windows</b> <small>(11 98 21 00-0001)</small>		
11 98 21 00-0015	UI		Maximum Security Operable Guard Frame Steel Detention Windows .....	115.68	6.84
			Note: Series S41 And S42.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	
11 98 21 00-0016	UI		Medium Security Operable Guard Frame Steel Detention Windows .....	110.76	6.84
			Note: Series S41 And S42.		
			For <10, Add	0.25	
			For >50, Deduct	-0.50	

**11 98 23 Detention Window Screens** (11 98)

<b>11 98 23 00-0001</b>			<b>Detention Window Screens</b> <small>(11 98 23)</small>		
11 98 23 00-0002	UI		.028 Stainless Steel Detention Screen On Aluminum Frame .....	12.76	0.24
			Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.		
			For 0.047 Stainless Steel Screen, Add	1.41	
			For 0.054 Stainless Steel Screen, Add	2.00	
			For <10, Add	0.25	
			For >50, Deduct	-0.50	

<b>Equipment</b>	<b>11</b>
<b>Other Equipment</b>	<b>11 90</b>
<b>Detention Equipment</b>	<b>11 98</b>

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 23 00-0003	UI	.028 Stainless Steel Detention Screen On 12 Gauge Steel Frame..... Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	12.76	0.24
		<i>For 0.047 Stainless Steel Screen, Add</i>	1.41	
		<i>For 0.054 Stainless Steel Screen, Add</i>	2.00	
		<i>For &lt;10, Add</i>	0.25	
		<i>For &gt;50, Deduct</i>	-0.50	
11 98 23 00-0004	UI	16 Gauge, Perforated Galvannealed Steel Detention Panels On Aluminum Frame..... Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	12.76	0.24
		<i>For &lt;10, Add</i>	0.25	
		<i>For &gt;50, Deduct</i>	-0.50	
11 98 23 00-0005	UI	16 Gauge, Perforated Galvannealed Steel Detention Panels On 12 Gauge Steel Frame..... Note: Includes bit key lock and emergency release and concealed hinges. Powder coated any color.	12.76	0.24
		<i>For &lt;10, Add</i>	0.25	
		<i>For &gt;50, Deduct</i>	-0.50	

**END OF SECTION 11**



**11 Equipment**

11 90 Other Equipment

11 98 Detention Equipment

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 12 Furnishings

### 12 01 Operation and Maintenance of Furnishings <sup>(12)</sup>

#### 12 01 60 Operation and Maintenance of Multiple Seating <sup>(12 01)</sup>

12 01 60 00-0001	Repair Fixed Auditorium Seating <sup>(12 01 60)</sup>		
12 01 60 00-0002	EA Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part.....	207.73	
12 01 60 00-0003	EA Removal And Replacement Of Auditorium Seat Armrest Part.....	97.95	
12 01 60 00-0004	EA Removal And Replacement Of End Armrest Part.....	135.08	
12 01 60 00-0005	EA Removal And Replacement Of Auditorium Seat Kick Plate Part.....	152.72	
12 01 60 00-0006	EA Removal And Replacement Of Auditorium Seat Long Back Part.....	250.55	
12 01 60 00-0007	EA Removal And Replacement Of Auditorium Seat Center Standard Part.....	207.21	
12 01 60 00-0008	EA Removal And Replacement Of Auditorium Seat Back Bracket Part.....	80.60	
12 01 60 00-0009	EA Removal And Replacement Of Auditorium Seat Bracket Part.....	84.49	
12 01 60 00-0010	EA Secure Seat To Floor.....	79.42	
12 01 60 00-0011	EA Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor.....	90.74	
Note: Includes drilling and fasteners.			
For Epoxy Anchoring, Add			27.71

### 12 20 Window Treatments <sup>(12)</sup>

#### 12 21 Window Blinds <sup>(12 20)</sup>

##### 12 21 13 Horizontal Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 13 13 Metal Horizontal Louver Blinds <sup>(12 21 13)</sup>

12 21 13 13-0001	Aluminum Horizontal Louver Blinds <sup>(12 21 13 13)</sup>		
12 21 13 13-0002	SF 1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	12.71	1.24
12 21 13 13-0003	SF 1" x 0.006" Slats, Aluminum Horizontal Louver Blinds.....	10.49	1.24
12 21 13 13-0004	SF 1" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	11.34	1.24
12 21 13 13-0005	SF 2" x 0.008" Slats, Aluminum Horizontal Louver Blinds.....	13.05	1.24

##### 12 21 13 33 Plastic Horizontal Louver Blinds <sup>(12 21 13)</sup>

12 21 13 33-0001	Vinyl Horizontal Louver Blinds <sup>(12 21 13 33)</sup>		
12 21 13 33-0002	SF 1" Slats, Vinyl Horizontal Louver Blinds.....	10.83	1.24
12 21 13 33-0003	SF 2" Slats, Vinyl Horizontal Louver Blinds.....	12.45	1.24

##### 12 21 16 Vertical Louver Blinds <sup>(12 21)</sup>

Note: Includes headrail, brackets, cords and all hardware.

##### 12 21 16 13 Metal Vertical Louver Blinds <sup>(12 21 16)</sup>

##### 12 21 16 13-0001 Aluminum Vertical Louver Blinds <sup>(12 21 16 13)</sup>

12 21 16 13-0002	SF 3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds.....	15.26	2.60
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##### 12 21 16 33 Plastic Vertical Louver Blinds <sup>(12 21 16)</sup>

12 21 16 33-0001	Vinyl Vertical Louver Blinds <sup>(12 21 16 33)</sup>		
12 21 16 33-0002	SF 2" Slats, Vinyl Vertical Louver Blinds.....	10.22	2.60
12 21 16 33-0003	SF 3-1/2" Slats, Vinyl Vertical Louver Blinds.....	13.89	2.60

### 12 24 Window Shades <sup>(12 20)</sup>

#### 12 24 13 Roller Window Shades <sup>(12 24)</sup>

12 24 13 00-0001	Roller Window Shades <sup>(12 24 13)</sup>		
12 24 13 00-0002	Vinyl Coated Fiberglass, Roller Window Shades <sup>(12 24 13 00-0001)</sup>		
Note: Includes roller, brackets, and stainless steel chain operator.			
12 24 13 00-0003	SF 0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades.....	15.80	0.82
12 24 13 00-0004	SF 1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades.....	15.80	0.82

#### 12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades <sup>(12 24 13 00-0001)</sup>

Note: Includes roller, brackets, and stainless steel chain operator.			
12 24 13 00-0006	SF 0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades.....	20.15	0.82

#### 12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades <sup>(12 24 13 00-0001)</sup>

Note: Includes roller, brackets, and stainless steel chain operator.			
12 24 13 00-0008	SF 1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades.....	15.80	0.82

**12 Furnishings**

**12 30 Casework**

**12 24 Window Shades**



WE FINANCE, BUILD AND DELIVER.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**12 30 Casework** <sup>(12)</sup>

**12 31 Manufactured Metal Casework** <sup>(12 30)</sup>

**12 31 16 Manufactured Metal Sandwich Panel Casework** <sup>(12 31)</sup>

12 31 16 00-0001	34-1/2" High x 24" Deep, Stainless Steel Cabinets <sup>(12 31 16)</sup>		
12 31 16 00-0002	18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets <sup>(12 31 16 00-0001)</sup>		
12 31 16 00-0003	18" Stainless Steel Base Cabinet <sup>(12 31 16 00-0002)</sup>		
12 31 16 00-0004	EA 18" Stainless Steel Base Cabinet, No Doors Or Drawers .....	2,148.41	300.69
	For 16 Gauge Stainless Steel, Add	332.57	
	For >5 To 9, Deduct	-81.21	
	For >9, Deduct	-162.42	
12 31 16 00-0005	EA 18" Stainless Steel Base Cabinet, With 4 Drawers .....	3,462.27	300.69
	For 16 Gauge Stainless Steel, Add	615.05	
	For >5 To 9, Deduct	-150.19	
	For >9, Deduct	-300.38	
12 31 16 00-0006	EA 18" Stainless Steel Base Cabinet, With 3 Drawers .....	3,214.36	300.69
	For 16 Gauge Stainless Steel, Add	561.75	
	For >5 To 9, Deduct	-137.17	
	For >9, Deduct	-274.35	
12 31 16 00-0007	EA 18" Stainless Steel Base Cabinet, With 2 Drawers .....	2,966.44	300.69
	For 16 Gauge Stainless Steel, Add	508.45	
	For >5 To 9, Deduct	-124.16	
	For >9, Deduct	-248.31	
12 31 16 00-0008	EA 18" Stainless Steel Base Cabinet, With Doors And Drawers .....	2,882.31	300.69
	For 16 Gauge Stainless Steel, Add	490.36	
	For >5 To 9, Deduct	-119.74	
	For >9, Deduct	-239.48	
12 31 16 00-0009	24" Stainless Steel Base Cabinet <sup>(12 31 16 00-0002)</sup>		
12 31 16 00-0010	EA 24" Stainless Steel Base Cabinet, With Doors And Locks .....	3,089.24	324.97
	For 16 Gauge Stainless Steel, Add	524.35	
	For >5 To 9, Deduct	-128.04	
	For >9, Deduct	-256.08	
12 31 16 00-0011	EA 24" Stainless Steel Base Cabinet, With Door, No Locks .....	2,786.73	324.97
	For 16 Gauge Stainless Steel, Add	459.31	
	For >5 To 9, Deduct	-112.16	
	For >9, Deduct	-224.31	
12 31 16 00-0012	EA 24" Stainless Steel Base Cabinet, With Two Doors, No Locks .....	2,852.96	324.97
	For 16 Gauge Stainless Steel, Add	473.55	
	For >5 To 9, Deduct	-115.63	
	For >9, Deduct	-231.27	
12 31 16 00-0013	EA 24" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	3,160.84	324.97
	For 16 Gauge Stainless Steel, Add	539.74	
	For >5 To 9, Deduct	-131.80	
	For >9, Deduct	-263.59	
12 31 16 00-0014	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	4,094.33	324.97
	For 16 Gauge Stainless Steel, Add	740.44	
	For >5 To 9, Deduct	-180.81	
	For >9, Deduct	-361.61	
12 31 16 00-0015	EA 24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks .....	4,494.39	324.97
	For 16 Gauge Stainless Steel, Add	826.45	
	For >5 To 9, Deduct	-201.81	
	For >9, Deduct	-403.62	
12 31 16 00-0016	30" Stainless Steel Base Cabinet <sup>(12 31 16 00-0002)</sup>		
12 31 16 00-0017	EA 30" Stainless Steel Base Cabinet, No Doors, No Drawers .....	2,727.27	342.45
	For 16 Gauge Stainless Steel, Add	439.16	
	For >5 To 9, Deduct	-107.24	
	For >9, Deduct	-214.47	
12 31 16 00-0018	EA 30" Stainless Steel Base Cabinet, With 4 Full Size Drawers .....	3,940.89	342.45
	For 16 Gauge Stainless Steel, Add	700.09	
	For >5 To 9, Deduct	-170.95	
	For >9, Deduct	-341.90	
12 31 16 00-0019	EA 30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks .....	5,056.96	342.45
	For 16 Gauge Stainless Steel, Add	940.04	
	For >5 To 9, Deduct	-229.55	
	For >9, Deduct	-459.09	
12 31 16 00-0020	EA 30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks .....	4,656.89	342.45
	For 16 Gauge Stainless Steel, Add	854.03	
	For >5 To 9, Deduct	-208.54	
	For >9, Deduct	-417.08	
12 31 16 00-0021	EA 30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer .....	4,408.98	342.45
	For 16 Gauge Stainless Steel, Add	800.73	
	For >5 To 9, Deduct	-195.53	
	For >9, Deduct	-391.05	
12 31 16 00-0022	EA 30" Stainless Steel Base Cabinet, With Doors, No Locks .....	3,403.00	342.45
	For 16 Gauge Stainless Steel, Add	584.44	
	For >5 To 9, Deduct	-142.71	
	For >9, Deduct	-285.43	
12 31 16 00-0023	EA 30" Stainless Steel Base Cabinet, With Doors And Locks .....	3,372.57	342.45
	For 16 Gauge Stainless Steel, Add	577.90	
	For >5 To 9, Deduct	-141.12	
	For >9, Deduct	-282.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 31 16 00-0024			<b>36" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0025	EA		36" Stainless Steel Base Cabinet, No Doors, No Drawers .....	3,009.68	356.05
			For 16 Gauge Stainless Steel, Add	493.83	
			For >5 To 9, Deduct	-120.59	
			For >9, Deduct	-241.17	
12 31 16 00-0026	EA		36" Stainless Steel Base Cabinet, With Doors And Locks .....	3,655.87	356.05
			For 16 Gauge Stainless Steel, Add	632.76	
			For >5 To 9, Deduct	-154.51	
			For >9, Deduct	-309.02	
12 31 16 00-0027	EA		36" Stainless Steel Base Cabinet, With Door, No Lock .....	3,417.80	356.05
			For 16 Gauge Stainless Steel, Add	581.58	
			For >5 To 9, Deduct	-142.01	
			For >9, Deduct	-284.03	
12 31 16 00-0028	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock .....	5,336.68	356.05
			For 16 Gauge Stainless Steel, Add	994.14	
			For >5 To 9, Deduct	-242.75	
			For >9, Deduct	-485.51	
12 31 16 00-0029	EA		36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks .....	4,937.51	356.05
			For 16 Gauge Stainless Steel, Add	908.31	
			For >5 To 9, Deduct	-221.80	
			For >9, Deduct	-443.60	
12 31 16 00-0030			<b>42" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0031	EA		42" Stainless Steel Base Cabinet, No Doors, No Drawers .....	3,160.09	378.39
			For 16 Gauge Stainless Steel, Add	516.69	
			For >5 To 9, Deduct	-126.17	
			For >9, Deduct	-252.34	
12 31 16 00-0032	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock .....	5,629.39	378.39
			For 16 Gauge Stainless Steel, Add	1,047.59	
			For >5 To 9, Deduct	-255.81	
			For >9, Deduct	-511.62	
12 31 16 00-0033	EA		42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock .....	5,229.33	378.39
			For 16 Gauge Stainless Steel, Add	961.58	
			For >5 To 9, Deduct	-234.80	
			For >9, Deduct	-469.61	
12 31 16 00-0034	EA		42" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	4,814.94	378.39
			For 16 Gauge Stainless Steel, Add	872.49	
			For >5 To 9, Deduct	-213.05	
			For >9, Deduct	-426.10	
12 31 16 00-0035	EA		42" Stainless Steel Base Cabinet, With Doors, No Lock .....	3,711.41	378.39
			For 16 Gauge Stainless Steel, Add	635.23	
			For >5 To 9, Deduct	-155.11	
			For >9, Deduct	-310.23	
12 31 16 00-0036	EA		42" Stainless Steel Base Cabinet, With Doors And Lock .....	3,945.90	378.39
			For 16 Gauge Stainless Steel, Add	685.64	
			For >5 To 9, Deduct	-167.42	
			For >9, Deduct	-334.85	
12 31 16 00-0037			<b>48" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0038	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock .....	5,902.47	387.14
			For 16 Gauge Stainless Steel, Add	1,102.68	
			For >5 To 9, Deduct	-269.26	
			For >9, Deduct	-538.52	
12 31 16 00-0039	EA		48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock .....	5,503.30	387.14
			For 16 Gauge Stainless Steel, Add	1,016.86	
			For >5 To 9, Deduct	-248.30	
			For >9, Deduct	-496.60	
12 31 16 00-0040	EA		48" Stainless Steel Base Cabinet, No Doors, No Drawers .....	3,433.17	387.14
			For 16 Gauge Stainless Steel, Add	571.78	
			For >5 To 9, Deduct	-139.62	
			For >9, Deduct	-279.24	
12 31 16 00-0041	EA		48" Stainless Steel Base Cabinet, No Doors, 2 Drawers .....	5,088.92	387.14
			For 16 Gauge Stainless Steel, Add	927.76	
			For >5 To 9, Deduct	-226.55	
			For >9, Deduct	-453.09	
12 31 16 00-0042	EA		48" Stainless Steel Base Cabinet, With Doors, And Lock .....	4,221.66	387.14
			For 16 Gauge Stainless Steel, Add	741.30	
			For >5 To 9, Deduct	-181.02	
			For >9, Deduct	-362.03	
12 31 16 00-0043	EA		48" Stainless Steel Base Cabinet, With Doors, No Locks .....	4,157.22	387.14
			For 16 Gauge Stainless Steel, Add	727.45	
			For >5 To 9, Deduct	-177.63	
			For >9, Deduct	-355.27	
12 31 16 00-0044			<b>60" Stainless Steel Base Cabinet</b> (12 31 16 00-0002)		
12 31 16 00-0045	EA		24" Deep x 60" Wide Stainless Steel Sink Base Cabinet .....	4,115.72	398.93
			For 16 Gauge Stainless Steel, Add	713.43	
			For >5 To 9, Deduct	-174.21	
			For >9, Deduct	-348.42	
12 31 16 00-0046			<b>18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets</b> (12 31 16 00-0001)		
12 31 16 00-0047			<b>12" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		

**12 Furnishings**

**12 30 Casework**

**12 31 Manufactured Metal Casework**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
12 31 16 00-0048	EA 12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,646.71 304.81 -74.43 -148.86	114.47
12 31 16 00-0049	EA 12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,641.49 300.71 -73.43 -146.86	121.42
<b>12 31 16 00-0050</b>	<b>18" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)</b>		
12 31 16 00-0051	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,726.77 318.30 -77.72 -155.45	123.08
12 31 16 00-0052	EA 18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,629.21 297.32 -72.60 -145.20	123.08
12 31 16 00-0053	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,909.52 352.95 -86.19 -172.37	133.90
12 31 16 00-0054	EA 18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,849.56 340.06 -83.04 -166.08	133.90
<b>12 31 16 00-0055</b>	<b>24" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)</b>		
12 31 16 00-0056	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,438.76 250.76 -61.23 -122.46	136.26
12 31 16 00-0057	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,948.91 360.44 -88.02 -176.03	136.26
12 31 16 00-0058	EA 24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,852.25 339.66 -82.94 -165.88	136.26
12 31 16 00-0059	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,834.67 339.68 -82.95 -165.89	127.24
12 31 16 00-0060	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,731.74 317.55 -77.54 -155.08	127.24
12 31 16 00-0061	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,214.15 421.27 -102.87 -205.74	127.24
12 31 16 00-0062	EA 24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,318.25 228.65 -55.83 -111.67	127.24
12 31 16 00-0063	EA 24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,241.42 214.69 -52.42 -104.85	121.42
<b>12 31 16 00-0064</b>	<b>30" Wide Stainless Steel Wall Cabinets (12 31 16 00-0048)</b>		
12 31 16 00-0065	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,524.60 480.55 -117.34 -234.69	144.73
12 31 16 00-0066	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,290.11 430.14 -105.03 -210.07	144.73
12 31 16 00-0067	EA 30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,544.57 269.84 -65.89 -131.78	144.73
12 31 16 00-0068	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,400.97 458.91 -112.06 -224.12	133.21
12 31 16 00-0069	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,166.48 408.50 -99.75 -199.50	133.21
12 31 16 00-0070	EA 30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,420.94 248.20 -60.61 -121.22	133.21

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0071	EA		30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,343.66 234.31 -57.22 -114.43	126.96
<b>12 31 16 00-0072</b>			<b>36" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0073	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,625.25 500.41 -122.19 -244.39	148.89
12 31 16 00-0074	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,385.39 448.84 -109.60 -219.20	148.89
12 31 16 00-0075	EA		36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,645.23 289.71 -70.74 -141.48	148.89
12 31 16 00-0076	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,500.23 478.98 -116.96 -233.92	136.26
12 31 16 00-0077	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,266.63 428.75 -104.70 -209.39	136.26
12 31 16 00-0078	EA		36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,520.20 268.27 -65.51 -131.02	136.26
12 31 16 00-0079	EA		36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,444.56 254.78 -62.21 -124.43	129.74
<b>12 31 16 00-0080</b>			<b>42" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0081	EA		42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,754.56 511.75 -124.96 -249.92	187.32
12 31 16 00-0082	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,758.30 517.06 -126.26 -252.52	176.78
12 31 16 00-0083	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,520.23 465.87 -113.76 -227.52	176.78
12 31 16 00-0084	EA		42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,776.48 305.97 -74.71 -149.43	176.78
12 31 16 00-0085	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,598.80 494.91 -120.85 -241.70	148.47
12 31 16 00-0086	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,362.52 444.11 -108.44 -216.89	148.47
12 31 16 00-0087	EA		42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,618.77 284.20 -69.40 -138.80	148.47
<b>12 31 16 00-0088</b>			<b>48" Wide Stainless Steel Wall Cabinets</b> (12 31 16 00-0046)		
12 31 16 00-0089	EA		48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,426.97 439.69 -107.37 -214.73	187.32
12 31 16 00-0090	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,856.97 536.56 -131.02 -262.04	180.67
12 31 16 00-0091	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,622.48 486.15 -118.71 -237.42	180.67
12 31 16 00-0092	EA		48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,876.94 325.85 -79.57 -159.14	180.67
12 31 16 00-0093	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,696.33 515.23 -125.81 -251.63	149.86



**12 Furnishings**

**12 30 Casework**

**12 31 Manufactured Metal Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0094	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	2,462.73 465.01 -113.55 -227.10	149.86
12 31 16 00-0095	EA		48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors..... <i>For 16 Gauge Stainless Steel, Add</i> <i>For &gt;5 To 9, Deduct</i> <i>For &gt;9, Deduct</i>	1,716.30 304.53 -74.36 -148.72	149.86
12 31 16 00-0096			<b>Accessories</b> (12 31 16 00-0001)		
12 31 16 00-0097			<b>Stainless Steel Countertops</b> (12 31 16 00-0096) Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.		
12 31 16 00-0098	SF		16 Gauge Stainless Steel Countertop With Backsplash ..... <i>For 14 Gauge Stainless Steel, Add</i>	97.53 18.18	7.63
12 31 16 00-0099	SF		16 Gauge Stainless Steel Countertop Without Backsplash ..... <i>For 14 Gauge Stainless Steel, Add</i>	89.83 16.48	7.63
12 31 16 00-0100	EA		Cutout For Sink And/or Faucet In Stainless Steel Countertop .....	205.02	
12 31 16 00-0101			<b>Stainless Steel Wall Panels</b> (12 31 16 00-0096)		
12 31 16 00-0102	SF		20 Gauge Stainless Steel Wall Panel ..... <i>For 18 Gauge Stainless Steel, Add</i> <i>For 16 Gauge Stainless Steel, Add</i>	42.87 5.47 10.54	11.38
12 31 16 00-0103			<b>Pedestal Legs</b> (12 31 16 00-0096)		
12 31 16 00-0104	EA		Type #304 Stainless Steel Pedestal Leg .....	358.10	17.34
12 31 16 00-0105			<b>Stainless Steel Slanted Cabinet Top Enclosure</b> (12 31 16 00-0096)		
12 31 16 00-0106	EA		Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections .....	396.19	34.19
<b>12 35 Specialty Casework</b> (12 30)					
<b>12 35 70 Healthcare Casework</b> (12 35)					
<b>12 35 70 19 Exam Room Casework</b> (12 35 70)					
12 35 70 19-0001 Medical Exam Room Cabinetwork (12 35 70 19)					
12 35 70 19-0002 Medical Exam Room Wall Cabinets (12 35 70 19-0001)					
12 35 70 19-0003 Medical Exam Room Wall Cabinets (Clinton Industries®) (12 35 70 19-0002) Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.					
12 35 70 19-0004	EA		24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212)..... <i>For Additional Shelf, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	549.94 48.36 112.22	42.38
12 35 70 19-0005	EA		24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224)..... <i>For Additional Shelf, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	598.30 48.36 112.22	42.38
12 35 70 19-0006	EA		36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236)..... <i>For Additional Shelf, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	969.72 48.36 112.74	55.36
12 35 70 19-0007	EA		42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242)..... <i>For Additional Shelf, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	1,055.79 48.36 112.85	58.09
12 35 70 19-0008	EA		48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248)..... <i>For Additional Shelf, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	1,165.32 48.36 113.01	62.19
12 35 70 19-0009	EA		54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	1,316.30 48.36 76.32 113.17	66.29
12 35 70 19-0010	EA		66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	1,514.72 48.36 76.51 113.36	71.07
12 35 70 19-0011	EA		72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	1,603.52 48.36 76.67 113.52	75.18
12 35 70 19-0012			<b>Medical Exam Room Base Cabinets</b> (12 35 70 19-0001)		
12 35 70 19-0013			<b>Medical Exam Room Base Cabinets (Ritter®)</b> (12 35 70 19-0012) Note: Includes polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.		
12 35 70 19-0014	EA		24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060)..... <i>For Lock For Single Door/Drawer, Add</i> <i>For Soft Edge Top, Add</i>	1,832.71 77.84 564.23	104.56
12 35 70 19-0015	EA		24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001)..... <i>For Lock For Single Door/Drawer, Add</i> <i>For Soft Edge Top, Add</i>	1,894.89 77.84 564.23	104.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0016	EA		24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)..... <i>For Lock For Single Door/Drawer, Add</i> <i>For Soft Edge Top, Add</i>	2,125.19 77.84 564.23	104.56
12 35 70 19-0017	EA		24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)..... <i>For Lock For Single Door/Drawer, Add</i> <i>For Soft Edge Top, Add</i>	2,143.61 77.84 564.23	104.56
12 35 70 19-0018	EA		24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)..... <i>For Lock For Single Door/Drawer, Add</i> <i>For Soft Edge Top, Add</i>	2,419.97 77.84 564.23	104.56
<b>12 35 70 19-0019</b>			<b>Medical Exam Room Base Cabinets (Clinton Industries®)</b> (12 35 70 19-0012) Note: Includes all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.		
12 35 70 19-0020	EA		24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76)..... Note: Includes stainless steel sink and faucet. <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	975.02 48.36 80.47 117.32	170.85
12 35 70 19-0021	EA		24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	1,291.51 48.36 77.84 114.69	104.56
12 35 70 19-0022	EA		36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	1,858.68 48.36 78.35 115.20	117.54
12 35 70 19-0023	EA		42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	2,011.39 48.36 78.73 115.58	127.12
12 35 70 19-0024	EA		48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	2,196.20 48.36 79.39 116.24	143.52
12 35 70 19-0025	EA		54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	2,640.43 48.36 79.79 116.64	153.77
12 35 70 19-0026	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	2,916.56 48.36 80.20 117.05	164.02
12 35 70 19-0027	EA		66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99)..... Note: Includes stainless steel sink and faucet. <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	3,117.58 48.36 83.18 120.03	239.20
12 35 70 19-0028	EA		72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072)..... <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	3,109.79 48.36 80.61 117.46	174.27
12 35 70 19-0029	EA		72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99)..... Note: Includes stainless steel sink and faucet. <i>For Additional Shelf, Add</i> <i>For Lock For Single Door/Drawer, Add</i> <i>For Lock And Inside Latch Combo For Double Doors, Add</i>	3,568.66 48.36 83.72 120.57	252.86
<b>12 35 70 19-0030</b>			<b>Medical Exam Room Cabinet Combinations</b> (12 35 70 19-0001)		
<b>12 35 70 19-0031</b>			<b>Medical Exam Room Cabinet Combinations (Ritter®)</b> (12 35 70 19-0030) Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.		
12 35 70 19-0032	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)..... <i>For Locks On Single Drawer And All Doors, Add</i>	2,980.15 733.03	205.02
12 35 70 19-0033	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)..... <i>For Locks On Single Drawer And All Doors, Add</i>	3,069.96 733.03	205.02
12 35 70 19-0034	EA		48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)..... Note: Includes stainless steel sink and faucet. <i>For Locks On Single Drawer And All Doors, Add</i>	3,732.03 736.29	259.70
12 35 70 19-0035	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)..... Note: Includes stainless steel sink and faucet. <i>For Locks On Single Drawer And All Doors, Add</i>	3,860.99 736.29	259.70
12 35 70 19-0036	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)..... <i>For Locks On Single Drawer And All Doors, Add</i>	3,438.44 733.03	205.02

**12 Furnishings**

**12 30 Casework**

**12 35 Specialty Casework**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0037	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value).....	3,530.56	205.02
			<i>For Locks On Single Drawer And All Doors, Add</i>	733.03	
12 35 70 19-0038	EA		48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	4,464.37	259.70
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	736.29	
12 35 70 19-0039	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value).....	4,551.88	259.70
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	736.29	
12 35 70 19-0040	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	3,894.43	205.02
			<i>For Locks On Single Drawer And All Doors, Add</i>	733.03	
12 35 70 19-0041	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care).....	3,991.15	205.02
			<i>For Locks On Single Drawer And All Doors, Add</i>	733.03	
12 35 70 19-0042	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care).....	4,922.66	259.70
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	736.29	
12 35 70 19-0043	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care).....	5,017.08	259.70
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	736.29	
12 35 70 19-0044	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional).....	4,409.69	232.36
			<i>For Locks On Single Drawer And All Doors, Add</i>	734.66	
12 35 70 19-0045	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional).....	4,497.20	232.36
			<i>For Locks On Single Drawer And All Doors, Add</i>	734.66	
12 35 70 19-0046	EA		48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional).....	5,435.62	287.04
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	737.92	
12 35 70 19-0047	EA		48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional).....	5,539.25	287.04
			Note: Includes stainless steel sink and faucet.		
			<i>For Locks On Single Drawer And All Doors, Add</i>	737.92	

**12 36 Countertops** (12 30)

**12 36 23 Plastic Countertops** (12 36)

**12 36 23 13 Plastic-Laminate-Clad Countertops** (12 36 23)

**12 36 23 13-0001 Plastic Laminate Countertops** (12 36 23 13)

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF		Plastic Laminate Countertop Without Backsplash.....	19.87	13.67
12 36 23 13-0003	SF		Plastic Laminate Countertop With Backsplash.....	26.90	13.67
12 36 23 13-0004	LF		Plastic Laminate End Splash For Plastic Laminate Countertops.....	31.67	4.10
12 36 23 13-0005	EA		Cutout For Sink And/or Faucet In Plastic Laminate Countertop.....	113.90	

**12 36 61 Simulated Stone Countertops** (12 36)

**12 36 61 16 Solid Surfacing Countertops** (12 36 61)

**12 36 61 16-0001 Solid Surface Countertops** (12 36 61 16)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 16-0002	SF		1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash.....	83.17	13.67
12 36 61 16-0003	SF		1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash.....	91.37	13.67
12 36 61 16-0004	LF		1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops.....	29.97	5.81
12 36 61 16-0005	EA		Cutout For Undercounter Sink In Solid Surface Countertop.....	205.02	

Note: Not including integral seamed sinks

**12 36 61 19 Quartz Agglomerate Countertops** (12 36 61)

**12 36 61 19-0001 Quartz Agglomerate Countertops** (12 36 61 19)

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 19-0002	SF		3/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	124.77	30.07
12 36 61 19-0003	SF		1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash.....	150.26	30.07
12 36 61 19-0004	SF		3/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	139.65	35.01
12 36 61 19-0005	SF		1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash.....	165.12	35.01
12 36 61 19-0006	LF		Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops.....	22.57	5.81
12 36 61 19-0007	EA		Cutout For Sink And/or Faucet In Quartz Agglomerate Countertop.....	205.02	

**12 50 Furniture** (12)

**12 55 Detention Furniture** (12 50)

**12 55 13 Detention Bunks** (12 55)

12 55 13 00-0001	EA		Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	1,122.05	177.01
12 55 13 00-0002	EA		>20, Floor Mounted Single Bunk, 75" x 27" x 16" High.....	968.44	177.01
12 55 13 00-0003	EA		Double Bunk Bed, 75" x 27", Up To 20.....	1,759.89	265.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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12 55 13 00-0004	EA		Double Bunk Bed, 75" x 27", Over 20.....	1,606.28	265.50
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**12 55 16 Detention Desks (12 55)**

12 55 16 00-0001	EA		Institutional Desk And Seat, Up To 20.....	1,429.27	177.01
12 55 16 00-0002	EA		Institutional Desk And Seat, Over 20.....	1,275.66	177.01
12 55 16 00-0003	EA		Institutional Desk, Up To 20.....	1,275.66	177.01
12 55 16 00-0004	EA		Institutional Desk, Over 20.....	1,122.05	177.01

**12 55 19 Detention Stools (12 55)**

12 55 19 00-0001	EA		Floor Mounted Stool, 8" x 8" x 20"H, Up To 20.....	393.89	70.80
12 55 19 00-0002	EA		Floor Mounted Stool, 8" x 8" x 20"H, Over 20.....	418.62	70.80
12 55 19 00-0003	EA		Wall Mounted Swivel Stool, Up To 20.....	545.67	88.50
12 55 19 00-0004	EA		Wall Mounted Swivel Stool, Over 20.....	453.51	88.50

**12 55 23 Detention Tables (12 55)**

12 55 23 00-0001	EA		4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	2,241.57	203.55
12 55 23 00-0002	EA		4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	1,934.35	203.55
12 55 23 00-0003	EA		6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	2,891.41	221.26
12 55 23 00-0004	EA		6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20.....	2,584.19	221.26
12 55 23 00-0005	EA		8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	4,155.69	238.95
12 55 23 00-0006	EA		8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20.....	3,541.25	238.95
12 55 23 00-0007	EA		Picnic Table, 72" x 24" Up To 20.....	2,619.59	238.95
12 55 23 00-0008	EA		Picnic Table, 72" x 24" Over 20.....	2,312.37	238.95

**12 55 26 Detention Safety Clothes Hooks (12 55)**

12 55 26 00-0001	EA		Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20.....	448.82	70.80
12 55 26 00-0002	EA		Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20.....	372.02	70.80
12 55 26 00-0003	EA		Safety Clothes Hook, Up To 20.....	187.18	39.83
12 55 26 00-0004	EA		Safety Clothes Hook, Over 20.....	217.75	39.83
12 55 26 00-0005	EA		Front Mounted 12" x 16" Stainless Steel Mirror (Acorn 1811).....	592.10	69.83
12 55 26 00-0006	EA		Front Mounted Auto-Release Clothes Hook, Acorn 1828.....	590.15	52.37

**12 55 86 Detention Control Room Furniture (12 55)**

12 55 86 00-0001	EA		Up To 20, 24" Wide x 24" Deep, Wall Mounted TV Shelf.....	879.94	132.75
12 55 86 00-0002	EA		>20, 24" Wide x 24" Deep, Wall Mounted TV Shelf.....	803.14	132.75
12 55 86 00-0003	EA		Speaking Device With 6" Diameter Stainless Steel Cover Plates.....	1,949.52	53.10
			Note: Includes neoprene gaskets, baffle, wire cloth and security screws.		
12 55 86 00-0004	EA		1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks.....	856.55	44.25
12 55 86 00-0005	LF		20" Depth, 10 Gauge Steel, Wall Mounted Bench.....	421.76	26.55
12 55 86 00-0006	LF		20" Depth, 10 Gauge Steel, Floor Mounted Bench.....	505.08	22.12

**12 60 Multiple Seating (12)**

**12 61 Fixed Audience Seating (12 60)**

See CSI section 12 01 60 00-0001 for seat repairs.

**12 61 13 Upholstered Audience Seating (12 61)**

**12 61 13 00-0001 Upholstered Audience Seating (12 61 13)**

12 61 13 00-0002	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4).....	644.78	59.39
			Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
			For >100 To 249, Deduct	-77.35	
			For >249 To 749, Deduct	-92.82	
			For >749, Deduct	-103.14	
			For Up To 9, Add	840.56	
			For >9 To 24, Add	335.19	
			For Expansion Anchor Mounting With Anchor Caps, Add	31.17	
			For Epoxy Anchor Mounting With Anchor Caps, Add	37.36	
12 61 13 00-0003	EA		Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4).....	678.14	59.39
			Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-82.36	
			For >249 To 749, Deduct	-98.83	
			For >749, Deduct	-109.81	
			For Up To 9, Add	840.03	
			For >9 To 24, Add	334.91	
			For Expansion Anchor Mounting With Anchor Caps, Add	31.17	
			For Epoxy Anchor Mounting With Anchor Caps, Add	37.36	

**12 Furnishings****12 60 Multiple Seating****12 61 Fixed Audience Seating**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4).....	829.53	59.39
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		<i>For &gt;100 To 249, Deduct</i>	-105.06	
		<i>For &gt;249 To 749, Deduct</i>	-126.08	
		<i>For &gt;749, Deduct</i>	-140.09	
		<i>For Up To 9, Add</i>	840.52	
		<i>For &gt;9 To 24, Add</i>	336.21	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	31.17	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.36	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4).....	863.34	59.39
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		<i>For &gt;100 To 249, Deduct</i>	-110.14	
		<i>For &gt;249 To 749, Deduct</i>	-132.16	
		<i>For &gt;749, Deduct</i>	-146.85	
		<i>For Up To 9, Add</i>	837.03	
		<i>For &gt;9 To 24, Add</i>	337.75	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	31.17	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.36	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4).....	565.46	59.39
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		<i>For &gt;100 To 249, Deduct</i>	-65.45	
		<i>For &gt;249 To 749, Deduct</i>	-78.54	
		<i>For &gt;749, Deduct</i>	-87.27	
		<i>For Up To 9, Add</i>	842.17	
		<i>For &gt;9 To 24, Add</i>	336.00	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	31.17	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.36	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4).....	572.13	59.39
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		<i>For &gt;100 To 249, Deduct</i>	-66.45	
		<i>For &gt;249 To 749, Deduct</i>	-79.75	
		<i>For &gt;749, Deduct</i>	-88.61	
		<i>For Up To 9, Add</i>	841.76	
		<i>For &gt;9 To 24, Add</i>	336.70	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	31.17	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.36	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4).....	600.79	59.39
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		<i>For &gt;100 To 249, Deduct</i>	-70.75	
		<i>For &gt;249 To 749, Deduct</i>	-84.90	
		<i>For &gt;749, Deduct</i>	-94.34	
		<i>For Up To 9, Add</i>	839.61	
		<i>For &gt;9 To 24, Add</i>	334.90	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	31.17	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.36	

**12 61 16 Molded-Plastic Audience Seating (12 61)****12 61 16 00-0001 Molded-Plastic Audience Seating (12 61 16)**

12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30).....	431.43	59.39
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		<i>For &gt;100 To 249, Deduct</i>	-45.35	
		<i>For &gt;249 To 749, Deduct</i>	-54.42	
		<i>For &gt;749, Deduct</i>	-60.47	
		<i>For Up To 9, Add</i>	828.38	
		<i>For &gt;9 To 24, Add</i>	332.56	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	31.17	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.36	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30).....	481.85	59.39
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		<i>For &gt;100 To 249, Deduct</i>	-52.91	
		<i>For &gt;249 To 749, Deduct</i>	-63.50	
		<i>For &gt;749, Deduct</i>	-70.55	
		<i>For Up To 9, Add</i>	828.96	
		<i>For &gt;9 To 24, Add</i>	331.59	
		<i>For Expansion Anchor Mounting With Anchor Caps, Add</i>	31.17	
		<i>For Epoxy Anchor Mounting With Anchor Caps, Add</i>	37.36	

**12 61 19 Plywood/Hardwood Audience Seating (12 61)**



		<b>Furnishings</b>	<b>12</b>
		<b>Multiple Seating</b>	<b>12 60</b>
		<b>Fixed Audience Seating</b>	<b>12 61</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**12 61 19 00-0001 Plywood/Hardwood Audience Seating (12 61 19)**

12 61 19 00-0002	EA		Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4).....	676.16	59.99
			Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-82.06	
			For >249 To 749, Deduct	-98.47	
			For >749, Deduct	-109.41	
			For Up To 9, Add	869.83	
			For >9 To 24, Add	350.12	
			For Expansion Anchor Mounting With Anchor Caps, Add	31.17	
			For Epoxy Anchor Mounting With Anchor Caps, Add	37.36	
12 61 19 00-0003	EA		Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4).....	703.23	59.99
			Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
			For >100 To 249, Deduct	-86.12	
			For >249 To 749, Deduct	-103.34	
			For >749, Deduct	-114.83	
			For Up To 9, Add	832.49	
			For >9 To 24, Add	333.00	
			For Expansion Anchor Mounting With Anchor Caps, Add	31.17	
			For Epoxy Anchor Mounting With Anchor Caps, Add	37.36	

**12 61 21 Fixed Audience Seating Accessories (12 61)**

**12 61 21 00-0001 Fixed Audience Seating Accessories (12 61 21)**

12 61 21 00-0002	EA		100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	217.21	
			For >100 To 249, Deduct	-30.65	
			For >249 To 749, Deduct	-36.77	
			For >749, Deduct	-40.86	
12 61 21 00-0003	EA		120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	221.14	
			For >100 To 249, Deduct	-31.23	
			For >249 To 749, Deduct	-37.48	
			For >749, Deduct	-41.65	
12 61 21 00-0004	EA		151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin).....	231.39	
			For >100 To 249, Deduct	-32.77	
			For >249 To 749, Deduct	-39.33	
			For >749, Deduct	-43.70	
12 61 21 00-0005	EA		98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	217.21	
			For >100 To 249, Deduct	-30.65	
			For >249 To 749, Deduct	-36.77	
			For >749, Deduct	-40.86	
12 61 21 00-0006	EA		105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin).....	232.25	
			For >100 To 249, Deduct	-32.90	
			For >249 To 749, Deduct	-39.48	
			For >749, Deduct	-43.87	
12 61 21 00-0007	EA		Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin).....	17.61	

**12 66 Telescoping Stands (12 66)**

**12 66 13 Telescoping Bleachers (12 66)**

**12 66 13 00-0001 Wall Mounted Telescoping Bleachers (12 66 13)**

			Note: Includes column cut-outs, manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts. See CSI section 12 66 13 00-0019 for additional optional accessories.		
12 66 13 00-0002	SEA		3 To 10 Tier Telescoping Bleacher, 24" Row Spacing.....	255.66	26.66
			For Aluminum Seating And Walks, Add	84.28	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0003	SEA		3 To 10 Tier Telescoping Bleacher, 25" - 26" Row Spacing.....	290.49	34.73
			For Aluminum Seating And Walks, Add	97.49	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66 13 00-0004	SEA		3 To 10 Tier Telescoping Bleacher, 28" - 30" Row Spacing.....	328.58	35.83
			For Aluminum Seating And Walks, Add	112.17	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	



**12 Furnishings**

**12 60 Multiple Seating**

**12 66 Telescoping Stands**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 66	13 00-0005	SEA	3 To 10 Tier Telescoping Bleacher, 31" - 33" Row Spacing	357.14	36.65
			For Aluminum Seating And Walks, Add	122.55	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0006	SEA	11 To 20 Tier Telescoping Bleacher, 24" Row Spacing	262.64	26.66
			For Aluminum Seating And Walks, Add	87.42	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0007	SEA	11 To 20 Tier Telescoping Bleacher, 25" - 26" Row Spacing	304.30	34.73
			For Aluminum Seating And Walks, Add	103.71	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0008	SEA	11 To 20 Tier Telescoping Bleacher, 28" - 30" Row Spacing	347.29	35.83
			For Aluminum Seating And Walks, Add	120.59	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0009	SEA	11 To 20 Tier Telescoping Bleacher, 31" - 33" Row Spacing	380.98	36.65
			For Aluminum Seating And Walks, Add	133.28	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0010	SEA	21 To 30 Tier Telescoping Bleacher, 22" - 24" Row Spacing	269.67	26.66
			For Aluminum Seating And Walks, Add	90.58	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0011	SEA	21 To 30 Tier Telescoping Bleacher, 25" - 26" Row Spacing	318.11	34.73
			For Aluminum Seating And Walks, Add	109.92	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0012	SEA	21 To 30 Tier Telescoping Bleacher, 28" - 30" Row Spacing	366.20	35.83
			For Aluminum Seating And Walks, Add	129.10	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	
12 66	13 00-0013	SEA	21 To 30 Tier Telescoping Bleacher, 31" - 33" Row Spacing	436.12	36.65
			For Aluminum Seating And Walks, Add	143.95	
			For 10" Flat Plastic Seat Modules, Add	15.00	
			For 10" Curved Plastic Seat Modules, Add	18.75	
			For 14" Curved Plastic Seat Module, Add	22.50	
			For >200 To 300, Deduct	-4.00	
			For >300 To 400, Deduct	-8.00	
			For >400 To 500, Deduct	-12.00	
			For >500, Deduct	-16.00	

**12 66 13 00-0014 Portable Telescoping Bleachers (12 66 13)**

Note: Includes manual operation, 10" plastic seats and cylinder lock. Excludes self storing side rails, rear rails, rear panels or end panels. Based on gross seats. To calculate the quantity of gross seats, divide the length of the unit by 18" and then multiply by the number of rows in the unit. Do not subtract for aisles or handicap cutouts.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
12 66	13 00-0015	SEA	3 To 10 Tier Portable Bleacher, 24" Row Spacing.....	283.14	26.66	
			For Aluminum Seating And Walks, Add	96.64		
			For 10" Flat Plastic Seat Modules, Add	15.00		
			For 10" Curved Plastic Seat Modules, Add	18.75		
			For 14" Curved Plastic Seat Module, Add	22.50		
			For >200 To 300, Deduct	-4.00		
			For >300 To 400, Deduct	-8.00		
			For >400 To 500, Deduct	-12.00		
			For >500, Deduct	-16.00		
12 66	13 00-0016	SEA	3 To 10 Tier Portable Bleacher, 25" - 26" Row Spacing .....	322.98	34.73	
			For Aluminum Seating And Walks, Add	112.11		
			For 10" Flat Plastic Seat Modules, Add	15.00		
			For 10" Curved Plastic Seat Modules, Add	18.75		
			For 14" Curved Plastic Seat Module, Add	22.50		
			For >200 To 300, Deduct	-4.00		
			For >300 To 400, Deduct	-8.00		
			For >400 To 500, Deduct	-12.00		
			For >500, Deduct	-16.00		
12 66	13 00-0017	SEA	3 To 10 Tier Portable Bleacher, 28" - 30" Row Spacing .....	365.97	35.83	
			For Aluminum Seating And Walks, Add	128.99		
			For 10" Flat Plastic Seat Modules, Add	15.00		
			For 10" Curved Plastic Seat Modules, Add	18.75		
			For 14" Curved Plastic Seat Module, Add	22.50		
			For >200 To 300, Deduct	-4.00		
			For >300 To 400, Deduct	-8.00		
			For >400 To 500, Deduct	-12.00		
			For >500, Deduct	-16.00		
12 66	13 00-0018	SEA	3 To 10 Tier Portable Bleacher, 31" - 33" Row Spacing .....	397.99	36.65	
			For Aluminum Seating And Walks, Add	140.94		
			For 10" Flat Plastic Seat Modules, Add	15.00		
			For 10" Curved Plastic Seat Modules, Add	18.75		
			For 14" Curved Plastic Seat Module, Add	22.50		
			For >200 To 300, Deduct	-4.00		
			For >300 To 400, Deduct	-8.00		
			For >400 To 500, Deduct	-12.00		
			For >500, Deduct	-16.00		
12 66	13 00-0019	Options And Accessories <small>(12 66 13)</small>				
12 66	13 00-0020	EA	Removable Center Railing, Single Sphere .....	194.56	4.79	
12 66	13 00-0021	LF	Removable Center Railing, Single Rail.....	68.75	4.79	
12 66	13 00-0022	EA	Self Storing Side Railing .....	223.61	5.47	
12 66	13 00-0023	LF	Rear Railing, Horizontal Or Vertical Rails .....	163.34	6.68	
12 66	13 00-0024	SF	Rear Panel, Plywood With Metal Frame, Trim And Finish .....	15.37	1.37	
12 66	13 00-0025	SF	End Panel, Plywood With Metal Frame, Trim And Finish .....	35.99	1.37	
12 66	13 00-0026	SF	Rear Filler Panel.....	51.54	0.69	
12 66	13 00-0027	EA	4' Scorer/Timer Table .....	417.31	23.25	
12 66	13 00-0028	EA	8' Scorer/Timer Table .....	519.09	35.56	
12 66	13 00-0029	EA	Portable Tractor For Wall Mounted Units.....	9,462.69		
12 66	13 00-0030	PR	Portable Dolly For Portable Units.....	10,614.26		
12 66	13 00-0031	SEA	For Each Additional Floor Above Or Below First Floor, Add For Installation.....	2.91		
12 66	13 00-0032	SEA	For Each Additional Floor Above Or Below First Floor, Add For Demolition.....	1.45		
12 66	13 00-0033	ROW	48" Aisle, 24" - 26" Row, With Non-Slip Tread.....	187.76	41.03	
			For Intermediate Steps, Add	18.78		
12 66	13 00-0034	ROW	48" Aisle, 28" - 33" Row, With Non-Slip Tread.....	487.19	54.70	
			For Intermediate Steps, Add	48.72		
12 66	13 00-0035	ROW	Aisle Filler Panel, 24" - 26" Row, With Non-Slip Tread .....	144.52	17.09	
12 66	13 00-0036	ROW	Aisle Filler Panel, 28" - 33" Row, With Non-Slip Tread .....	106.89	17.09	
12 66	13 00-0037	EA	Single Handicap Cutout Seating With Railing .....	652.34	51.28	
12 66	13 00-0038	EA	Double Handicap Cutout Seating With Railing .....	1,328.10	75.21	
12 66	13 00-0039	EA	Portable Operator's Handle .....	363.50		
12 66	13 00-0040	EA	Vent Grills, One Pair.....	434.90	41.03	

**END OF SECTION 12**

**12 Furnishings**

12 60 Multiple Seating

12 66 Telescoping Stands

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**13 Special Construction**

**13 20 Special Purpose Rooms (13)**

**13 26 Fabricated Rooms (13 20)**

13 26 00 00-0001	Protection Padding System (13 26)		
13 26 00 00-0002	SF Synthetic Resinous Safety Padding System.....	139.38	13.75

Note: For cells or detention areas. System includes resinous padding adhered to 7/16" OSB, sealant, finish coat, primer, and all fasteners. Average nominal thickness: Walls 1 1/2", Sloped Floor 1", Flat Floor 1/2".

**13 30 Special Structures (13)**

**13 34 Fabricated Engineered Structures (13 30)**

**13 34 19 Metal Building Systems (13 34)**

13 34 19 00-0001	Pre-Engineered Metal Buildings (13 34 19)		
<p>Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations, slab and anchor bolts embedded in concrete. See CSI section 03 15 19 00-0001 for cast in concrete anchors, 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0002 for metal building options.</p>			
13 34 19 00-0002	Metal Building Options (13 34 19 00-0001)		
<p>Note: For use with metal buildings only. See CSI section 08 12 13 13-0000 for metal door frames, 08 13 13 13-0000 for metal doors, 08 33 23 00-0000 for coiling roll-up doors, 08 36 13 00-0000 for sectional doors, 08 51 13 00-0065 for sliding windows, 08 71 11 00-0000 for door hardware.</p>			
13 34 19 00-0003	Insulation For Metal Buildings (13 34 19 00-0002)		
13 34 19 00-0004	SF 1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.41	0.41
13 34 19 00-0005	SF 2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.55	0.41
13 34 19 00-0006	SF 3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	1.75	0.55
13 34 19 00-0007	SF 3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	2.01	0.55
13 34 19 00-0008	SF 6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation.....	2.48	0.55
13 34 19 00-0009	SF 1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.68	0.41
13 34 19 00-0010	SF 2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.82	0.41
13 34 19 00-0011	SF 3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	1.97	0.55
13 34 19 00-0012	SF 3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	2.17	0.55
13 34 19 00-0013	SF 6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation.....	2.57	0.55
13 34 19 00-0014	SF 1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.60	0.41
13 34 19 00-0015	SF 2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	1.76	0.41
13 34 19 00-0016	SF 3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.08	0.55
13 34 19 00-0017	SF 3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.28	0.55
13 34 19 00-0018	SF 6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation.....	2.65	0.55
13 34 19 00-0019	SF 2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.50	0.41
13 34 19 00-0020	SF 3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.58	0.41
13 34 19 00-0021	SF 4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	1.78	0.55
13 34 19 00-0022	SF 6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation.....	2.19	0.55
13 34 19 00-0023	SF 2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.51	0.41
13 34 19 00-0024	SF 3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.60	0.41
13 34 19 00-0025	SF 4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	1.81	0.55
13 34 19 00-0026	SF 6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation.....	2.24	0.55
13 34 19 00-0027	SF 2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	1.96	0.41
13 34 19 00-0028	SF 3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.08	0.41
13 34 19 00-0029	SF 4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.29	0.55
13 34 19 00-0030	SF 6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation.....	2.72	0.55

13 34 19 00-0031	Erected Pre-Engineered Metal Buildings (13 34 19)		
<p>Note: 5/12 Gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge standing seam roof panels. Building span is 80' clear. Includes crane for erection. Excludes foundations, slab, doors, windows or insulation.</p>			

13 34 19 00-0032	Maintenance Center Buildings (13 34 19 00-0031)		
<p>Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.</p>			
13 34 19 00-0033	SF 2,500 SF And Under Maintenance Center Building, 16' Eave Height.....	73.24	
13 34 19 00-0034	SF >2,500 To 5,000 SF Maintenance Center Building, 16' Eave Height.....	68.05	
13 34 19 00-0035	SF >5,000 To 7,500 SF Maintenance Center Building, 16' Eave Height.....	62.22	
13 34 19 00-0036	SF >7,500 To 10,000 SF Maintenance Center Building, 16' Eave Height.....	59.00	
13 34 19 00-0037	SF >10,000 To 15,000 SF Maintenance Center Building, 16' Eave Height.....	54.73	

13 34 19 00-0038	Erected Pre-Engineered Wood Frame Metal Buildings (13 34 19)		
<p>Note: 6" Laminated yellow pine timber columns, wood framed webbed trusses 5/12 gabled roof, live load 70 LB/SF, wind load 70 LB/SF, Kynar finished 26 gauge wall and 24 gauge 2" standing seam roof panels. Building span is 60' clear. Includes concrete piers and crane for erection. Excludes doors, windows or insulation.</p>			

13 34 19 00-0039	Wood Frame Equipment Storage Structures (13 34 19 00-0038)		
<p>Note: Includes material, delivery to site, factory design analysis and report, and shop drawings.</p>			
13 34 19 00-0040	SF Up To 2,500 SF Wood Frame Structure, 16' Eave Height.....	50.62	
13 34 19 00-0041	SF >2,500 To 5,000 SF Wood Frame Structure, 16' Eave Height.....	47.24	

**13 Special Construction****13 30 Special Structures****13 34 Fabricated Engineered Structures**MINOR  
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13 34 19 00-0042	SF	>5,000 To 7,500 SF Wood Frame Structure, 16' Eave Height.....	43.03	
13 34 19 00-0043	SF	>7,500 To 10,000 SF Wood Frame Structure, 16' Eave Height.....	40.87	
13 34 19 00-0044	SF	>10,000 To 15,000 SF Wood Frame Structure, 16' Eave Height.....	37.87	

**13 40 Integrated Construction** <sup>(13)</sup>**13 46 Lightning Protection Systems** <sup>(13 40)</sup>**13 46 13 Lightning Protection for Structures** <sup>(13 46)</sup>

13 46 13 00-0001		Lightning Protection <sup>(13 46 13)</sup> See CSI section 26 05 26 00-0001 for conductors.		
13 46 13 00-0002		Air Terminals For Lightning Protection <sup>(13 46 13 00-0001)</sup>		
13 46 13 00-0003		Copper Lightning Protection Air Terminals <sup>(13 46 13 00-0002)</sup>		
13 46 13 00-0004	EA	3/8" x 10" Copper Lightning Protection Air Terminal.....	74.96	15.41
13 46 13 00-0005	EA	1/2" x 12" Copper Lightning Protection Air Terminal.....	93.67	15.41
13 46 13 00-0006	EA	5/8" x 12" Copper Lightning Protection Air Terminal.....	120.43	15.41
13 46 13 00-0007	EA	1/2" x 24" Copper Lightning Protection Air Terminal.....	134.11	15.41
13 46 13 00-0008	EA	1/2" x 60" Copper Lightning Protection Air Terminal.....	257.09	30.83
13 46 13 00-0009		Aluminum Lightning Protection Air Terminals <sup>(13 46 13 00-0002)</sup>		
13 46 13 00-0010	EA	3/8" x 10" Aluminum Lightning Protection Air Terminal.....	90.46	15.41
13 46 13 00-0011	EA	1/2" x 12" Aluminum Lightning Protection Air Terminal.....	115.47	15.41
13 46 13 00-0012	EA	5/8" x 12" Aluminum Lightning Protection Air Terminal.....	146.44	15.41
13 46 13 00-0013	EA	1/2" x 24" Aluminum Lightning Protection Air Terminal.....	162.82	15.41
13 46 13 00-0014	EA	1/2" x 60" Aluminum Lightning Protection Air Terminal.....	316.15	30.83
13 46 13 00-0015		Terminal Bases For Lightning Protection <sup>(13 46 13 00-0001)</sup>		
13 46 13 00-0016		Copper Lightning Protection Terminal Bases <sup>(13 46 13 00-0015)</sup>		
13 46 13 00-0017	EA	Adhesive Base For Copper Lightning Protection Terminal.....	112.60	46.24
13 46 13 00-0018	EA	Bolted Base For Copper Lightning Protection Terminal.....	153.93	61.66
13 46 13 00-0019	EA	Hinged Base For Copper Lightning Protection Terminal.....	204.81	77.07
13 46 13 00-0020	EA	Side Mounted Base For Copper Lightning Protection Terminal.....	153.93	61.66
13 46 13 00-0021	EA	Offset Point Support For Copper Lightning Protection Terminal.....	162.25	61.66
13 46 13 00-0022	EA	Concealed Base Assembly For Copper Lightning Protection Terminal.....	291.01	123.31
13 46 13 00-0023	EA	36" Tripod Base For 60" Copper Lightning Protection Terminal.....	202.63	77.07
13 46 13 00-0024	EA	Intermediate Base For Copper Lightning Protection Terminal.....	112.60	46.24
13 46 13 00-0025		Aluminum Lightning Protection Terminal Bases <sup>(13 46 13 00-0015)</sup>		
13 46 13 00-0026	EA	Adhesive Base For Aluminum Lightning Protection Terminal.....	118.03	46.24
13 46 13 00-0027	EA	Bolted Base For Aluminum Lightning Protection Terminal.....	161.34	61.66
13 46 13 00-0028	EA	Hinged Base For Aluminum Lightning Protection Terminal.....	216.95	77.07
13 46 13 00-0029	EA	Side Mounted Base For Aluminum Lightning Protection Terminal.....	161.87	61.66
13 46 13 00-0030	EA	Offset Point Support For Aluminum Lightning Protection Terminal.....	169.26	61.66
13 46 13 00-0031	EA	Concealed Base Assembly For Aluminum Lightning Protection Terminal.....	307.22	123.31
13 46 13 00-0032	EA	36" Tripod Base For 60" Aluminum Lightning Protection Terminal.....	213.87	77.07
13 46 13 00-0033	EA	Intermediate Base For Aluminum Lightning Protection Terminal.....	118.03	46.24
13 46 13 00-0034		Connectors <sup>(13 46 13 00-0001)</sup>		
13 46 13 00-0035		Copper Cable Connectors <sup>(13 46 13 00-0034)</sup>		
13 46 13 00-0036	EA	Thru Wall Cable Connector For Copper Lightning Protection System.....	226.82	77.07
13 46 13 00-0037	EA	Thru Roof Adapter Assembly For Copper Lightning Protection System.....	313.48	123.31
13 46 13 00-0038	EA	Beam Connector For Copper Lightning Protection System.....	206.32	77.07
13 46 13 00-0039	EA	Double Bolt Cable Connector For Copper Lightning Protection System.....	48.05	15.41
13 46 13 00-0040	EA	Cable To Bar Connector For Copper Lightning Protection System.....	48.67	15.41
13 46 13 00-0041	EA	Tee Connector For Copper Lightning Protection Terminal.....	149.02	46.24
13 46 13 00-0042		Aluminum Cable Connectors <sup>(13 46 13 00-0034)</sup>		
13 46 13 00-0043	EA	Thru Wall Cable Connector For Aluminum Lightning Protection System.....	239.65	77.07
13 46 13 00-0044	EA	Thru Roof Adapter Assembly For Aluminum Lightning Protection System.....	337.57	123.31
13 46 13 00-0045	EA	Beam Connector For Aluminum Lightning Protection System.....	223.81	77.07
13 46 13 00-0046	EA	Double Bolt Cable Connector For Aluminum Lightning Protection System.....	53.14	15.41
13 46 13 00-0047	EA	Tee Connector For Aluminum Lightning Protection Terminal.....	157.20	46.24
13 46 13 00-0048		Bonding Plates <sup>(13 46 13 00-0001)</sup>		
13 46 13 00-0049		Copper Bonding Plates <sup>(13 46 13 00-0048)</sup>		
13 46 13 00-0050	EA	8" Square I Beam Bonding Plate For Copper Lightning Protection System.....	186.51	77.07
13 46 13 00-0051	EA	8" Square Purlin Bonding Plate For Copper Lightning Protection System.....	191.59	77.07
13 46 13 00-0052	EA	16" Square Bonding Plate For Copper Lightning Protection System.....	282.88	123.31
13 46 13 00-0053		Aluminum Bonding Plates <sup>(13 46 13 00-0048)</sup>		
13 46 13 00-0054	EA	8" Square I Beam Bonding Plate For Aluminum Lightning Protection System.....	189.50	77.07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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13 46 13 00-0055	EA	8" Square Purlin Bonding Plate For Aluminum Lightning Protection System.....	197.94	77.07
13 46 13 00-0056	EA	16" Square Bonding Plate For Aluminum Lightning Protection System.....	285.57	123.31
<b>13 46 13 00-0057</b>		<b>Cable Supports</b> (13 46 13 00-0001)		
<b>13 46 13 00-0058</b>		<b>Copper Cable Supports</b> (13 46 13 00-0057)		
13 46 13 00-0059	EA	Loop Fastener, Copper Cable Supports For Lightning Protection System .....	34.94	15.41
13 46 13 00-0060	EA	Adhesive Cable Holder, Copper Cable Support For Lightning Protection System.....	35.52	15.41
<b>13 46 13 00-0061</b>		<b>Aluminum Cable Supports</b> (13 46 13 00-0057)		
13 46 13 00-0062	EA	Loop Fastener, Aluminum Cable Supports For Lightning Protection System .....	34.47	15.41
13 46 13 00-0063	EA	Adhesive Cable Holder, Aluminum Cable Support For Lightning Protection System.....	34.28	15.41
<b>13 46 13 00-0064</b>		<b>Bonding Straps</b> (13 46 13 00-0001)		
<b>13 46 13 00-0065</b>		<b>Copper Bonding Straps</b> (13 46 13 00-0064)		
13 46 13 00-0066	EA	3/4" x 9-1/2" Flex Braided Strap For Copper Lightning Protection System .....	97.32	46.24
<b>13 46 13 00-0067</b>		<b>Aluminum Bonding Straps</b> (13 46 13 00-0064)		
13 46 13 00-0068	EA	3/4" x 9-1/2" Flex Braided Strap For Aluminum Lightning Protection System .....	100.08	46.24
<b>13 46 13 00-0069</b>		<b>Accessories For Lightning Protection</b> (13 46 13 00-0001) See CSI section 26 05 26 00-0001 for conductors straps and conduit jumpers.		
<b>13 46 13 00-0070</b>		<b>Copper Adapters</b> (13 46 13 00-0069)		
13 46 13 00-0071	EA	Swivel Adapters For Copper Lightning Protection System .....	34.53	7.71
<b>13 46 13 00-0072</b>		<b>Aluminum Adapters</b> (13 46 13 00-0069)		
13 46 13 00-0073	EA	Swivel Adapters For Aluminum Lightning Protection System .....	45.08	7.71
13 46 13 00-0074	EA	Floor Ground Receptacle For Aluminum Lightning Protection System .....	228.94	77.07

**13 47 Facility Protection** (13 40)

**13 47 13 Cathodic Protection** (13 47)

**13 47 13 13 Cathodic Protection for Underground and Submerged Piping** (13 47 13)

<b>13 47 13 13-0001</b>		<b>Anodes</b> (13 47 13 13)		
<b>13 47 13 13-0002</b>		<b>Magnesium Type, Conventional</b> (13 47 13 13-0001)		
13 47 13 13-0003	EA	9 LB Magnesium Type Anodes.....	467.54	209.23
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes.....	690.58	302.40
13 47 13 13-0005	EA	32 LB Magnesium Type Anode.....	933.85	389.04
13 47 13 13-0006	EA	48 LB Magnesium Type Anode.....	1,326.21	544.33
<b>13 47 13 13-0007</b>		<b>Graphite Type</b> (13 47 13 13-0001) Note: Includes epoxy cap.		
13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap .....	729.58	312.63
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap .....	1,114.68	436.56
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap .....	813.86	273.20
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap .....	1,222.85	364.73
<b>13 47 13 13-0012</b>		<b>Rectifiers</b> (13 47 13 13)		
<b>13 47 13 13-0013</b>		<b>Air Cooled, Silicon Type</b> (13 47 13 13-0012)		
13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type .....	2,307.25	443.94
13 47 13 13-0015	EA	Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type .....	2,484.39	443.94
<b>13 47 13 13-0016</b>		<b>Oil Immersed, Silicon Type</b> (13 47 13 13-0012)		
13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type.....	3,429.60	513.30
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type.....	3,619.39	513.30
<b>13 47 13 13-0019</b>		<b>Anode Backfill</b> (13 47 13 13)		
13 47 13 13-0020	LB	Anode Backfill, Coke Breeze .....	1.45	0.56
<b>13 47 13 13-0021</b>		<b>Cathodic Protection Cable</b> (13 47 13 13)		
13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8 .....	2,755.81	1,092.79
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6 .....	3,008.41	1,092.79
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4 .....	3,387.31	1,092.79
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2 .....	4,018.81	1,092.79
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1 .....	4,929.80	1,204.05
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0 .....	5,403.43	1,204.05
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0 .....	6,192.81	1,204.05



**13 Special Construction****13 40 Integrated Construction****13 47 Facility Protection**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0 .....		8,303.23	1,312.47
<b>13 47 13 13-0030</b>		<b>Cathodic Test Stations</b> <small>(13 47 13 13)</small>			
<b>13 47 13 13-0031</b>		<b>Flush Curb Box Type With Lockable Cover And Terminal Box</b> <small>(13 47 13 13-0030)</small>			
13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover .....		360.62	127.94
<b>13 47 13 16</b>		<b>Cathodic Protection for Underground Storage Tanks</b> <small>(13 47 13)</small>			
		See CSI section 13 47 13 13-0000 for cathodic protection for tanks.			
<b>13 48</b>		<b>Sound, Vibration, and Seismic Control</b> <small>(13 40)</small>			
<b>13 48 53</b>		<b>Manufactured Seismic Control Components</b> <small>(13 48)</small>			
<b>13 48 53 00-0001</b>		<b>Seismic Bracing Assembly</b> <small>(13 48 53)</small>			
13 48 53 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace..... Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.		194.30	
13 48 53 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		187.50	
13 48 53 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		280.00	
13 48 53 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.		362.17	
13 48 53 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		385.69	
13 48 53 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		572.11	
13 48 53 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.		758.55	
13 48 53 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		233.69	
13 48 53 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		344.12	
13 48 53 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener..... Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.		454.56	
<b>13 48 53 00-0012</b>		<b>Seismic Brace Components</b> <small>(13 48 53)</small>			
13 48 53 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-1)..... Note: To be used with 7x19 stranded cable.		38.14	
13 48 53 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-2)..... Note: To be used with 7x19 stranded cable.		51.63	
13 48 53 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-3)..... Note: To be used with 7x19 stranded cable.		67.83	
13 48 53 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor (Mason SCB-4)..... Note: To be used with 7x19 stranded cable.		92.10	
13 48 53 00-0017	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-1)..... Note: To be used with angle or channel.		35.93	
13 48 53 00-0018	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-2)..... Note: To be used with angle or channel.		47.81	
13 48 53 00-0019	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-3)..... Note: To be used with angle or channel.		62.23	
13 48 53 00-0020	EA	Seismic Solid Brace Swivel Anchor (Mason SSB-4)..... Note: To be used with angle or channel.		83.45	
13 48 53 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-1)..... Note: To be used with 7x19 stranded cable.		43.14	
13 48 53 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-2)..... Note: To be used with 7x19 stranded cable.		56.29	
13 48 53 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor (Mason SCBH-3)..... Note: To be used with 7x19 stranded cable.		77.51	
13 48 53 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-1)..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		74.11	
13 48 53 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-2)..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		103.39	
13 48 53 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor (Mason SCBV-3)..... Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.		140.30	
13 48 53 00-0027	EA	Seismic Rod Clamp (Mason SRC-1)..... Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.		31.73	
13 48 53 00-0028	EA	Seismic Rod Clamp (Mason SRC-1 1/2)..... Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.		38.52	
13 48 53 00-0029	EA	Seismic Rod Clamp (Mason SRC-2)..... Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.		47.86	

**END OF SECTION 13**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 14 Conveying Equipment

### 14 01 Operation and Maintenance of Conveying Equipment <sup>(14)</sup>

#### 14 01 20 Operation and Maintenance of Elevators <sup>(14 01)</sup>

##### 14 01 20 71 Elevator Rehabilitation <sup>(14 01 20)</sup>

##### 14 01 20 71-0001 Elevator Maintenance <sup>(14 01 20 71)</sup>

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	515.89	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	687.85	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	429.91	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	429.91	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	257.94	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	167.59	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	209.49	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,224.15	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,530.19	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	612.08	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,377.18	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	918.12	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,142.27	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,448.31	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	1,836.23	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,295.29	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,224.15	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	2,401.06	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	2,701.19	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	2,401.06	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	2,401.06	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	2,401.06	

##### 14 01 20 71-0024 Elevator Modernization <sup>(14 01 20 71)</sup>

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	42,066.39	8,969.16
				Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.
			For Union-Guard Cathodic Protection, Add	9,232.01
				Note: Includes Pump.
			For An Additional Stop, Add	9,689.34
				Note: Includes Removal.
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	45,407.06	10,837.73
				Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.
			For Union-Guard Cathodic Protection, Add	9,327.98
				Note: Includes Pump.
			For An Additional Stop, Add	10,308.16
				Note: Includes Removal.
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM)	54,051.33	12,332.60
				Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.
			For Union-Guard Cathodic Protection, Add	10,863.42
				Note: Includes Pump.
			For An Additional Stop, Add	13,318.21
				Note: Includes Removal.
14 01 20 71-0028	EA	Removal And Replacement Of Hydraulic Control (Maxton) Valve	5,648.76	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	77.29	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	851.37	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four	4,425.30	747.43
				Note: Includes cover plate.
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four	3,741.26	747.43
				Note: Includes cover plate.
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish	8,144.41	
				Note: Excludes buildback.
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish	8,912.13	
				Note: Excludes buildback.
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish	8,637.67	
				Note: Excludes buildback.
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish	9,405.39	
				Note: Excludes buildback.
14 01 20 71-0037	SF	Epoxy Aggregate, Elevator Cab Flooring	92.86	21.36
				Note: SF cost not applicable for partial cab flooring.
14 01 20 71-0038	SF	Aluminum Diamond Plate, Elevator Cab Flooring	79.23	21.36
				Note: SF cost not applicable for partial cab flooring.
14 01 20 71-0039	SF	1/8" Thick, Vinyl Composition Tile (VCT), Elevator Cab Flooring	14.45	2.80
14 01 20 71-0040	EA	Solid State Starting (Soft Start)	6,479.97	560.58
14 01 20 71-0041	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	20,909.40	3,129.86
14 01 20 71-0042	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL Manufacturing)	2,512.53	747.43
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL Manufacturing)	472.87	186.86
14 01 20 71-0044	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	460.08	373.71
14 01 20 71-0045	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL Manufacturing)	640.75	327.00
14 01 20 71-0046	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL Manufacturing)	3,030.85	747.43
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL Manufacturing)	637.42	345.69
14 01 20 71-0048	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	460.08	373.71
14 01 20 71-0049	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL Manufacturing)	786.36	373.71
14 01 20 71-0050	EA	Fire Service Key Switch Controller	3,988.85	747.43
14 01 20 71-0051	EA	ADA Telephone (Rath Microtech)	1,260.16	373.71

**14 Conveying Equipment**  
**14 01 Operation and Maintenance of Conveying Equipment**  
**14 01 20 Operation and Maintenance of Elevators**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL Manufacturing)	9,033.32		1,494.86
14 01 20 71-0053	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL Manufacturing)	9,762.66		1,494.86
14 01 20 71-0054	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	2,810.18		373.71
14 01 20 71-0055	EA	Car Operating Panel (ADA, Fire, Position, Chime)	9,551.53		1,494.86
14 01 20 71-0056	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	2,042.96		373.71
14 01 20 71-0057	EA	Car Traveling Lanterns With Audible Signal	1,754.51		373.71
14 01 20 71-0058	EA	Hoistway Door Jamb Floor Tags (Braille)	255.95		186.86
14 01 20 71-0059	EA	Lobby Vandal Resistant Call Station	1,648.95		373.71
14 01 20 71-0060	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0061 for Removal and Replacement of Traveling Cable.	22.19		
14 01 20 71-0061	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial) Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0060 for Traveling Cable material.	5,979.44		2,989.72
14 01 20 71-0062	LF	Governor Cable Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.	1.73		
14 01 20 71-0063	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels	6,838.46		747.43
14 01 20 71-0064	EA	Elevator Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels	9,909.34		747.43
14 01 20 71-0065	EA	Removal And Replacement Of Governor	5,735.42		747.43
14 01 20 71-0066	EA	Removal And Replacement Of Car Station	9,090.90		1,494.86
14 01 20 71-0067	EA	Removal And Replacement Of Telephone	1,898.46		373.71
14 01 20 71-0068	EA	Removal And Replacement Of Hall Lanterns	1,419.19		373.71
14 01 20 71-0069	EA	Hall Call Buttons, Vandal Resistant	1,131.29		373.71
14 01 20 71-0070	EA	Hall Traveling Lanterns With Audible Signal	1,792.90		373.71
14 01 20 71-0071	EA	Add Raised Character (Braille) Signage To Control Panel	209.32		186.86
14 01 20 71-0072	EA	New Microprocessor Based Controller (Non-Proprietary)	49,082.53		5,979.44
14 01 20 71-0073	EA	New Steel Shell And Canopy (Excludes Plastic Panels), For 5' x 7' Cab	28,162.16		5,979.44
14 01 20 71-0074	EA	New Steel Shell, Canopy And Platform (Excludes Plastic Laminate), For 5' x 7' Cab	43,738.10		5,979.44
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Baked Enamel	3,509.03		
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Baked Enamel	3,720.15		
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangement), Stainless Steel	3,952.39		
14 01 20 71-0078	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangement), Stainless Steel	4,205.73		
14 01 20 71-0079	EA	Elevator Pit Ladder, Steel Note: Labor cost is for bolting to concrete pit wall.	3,297.91		373.71
14 01 20 71-0080	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	54,405.02		5,979.44
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	137.21		
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	146.28		
14 01 20 71-0083	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4 Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.	152.50		
14 01 20 71-0084	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	9,973.23		747.43
14 01 20 71-0085	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	3,969.66		747.43
14 01 20 71-0086	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,065.63		747.43
14 01 20 71-0087	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,161.59		747.43
14 01 20 71-0088	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening) Note: Cladding typically done by metal company.	4,276.75		747.43
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	8,959.84		747.43
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	8,959.84		747.43
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	12,798.44		747.43
14 01 20 71-0092	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	14,717.74		747.43
14 01 20 71-0093	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	5,033.44		160.13
14 01 20 71-0094	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	5,251.70		192.15
14 01 20 71-0095	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	6,991.81		224.17
14 01 20 71-0096	EA	Aluminum Handrail Spacers With Set Screw	226.72		186.86
14 01 20 71-0097	EA	Bronze Handrail Spacers With Set Screw	232.04		186.86
14 01 20 71-0098	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	157.98		43.97
14 01 20 71-0099	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	151.73		43.97
14 01 20 71-0100	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	180.98		43.97
14 01 20 71-0101	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	200.78		43.97
14 01 20 71-0102	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	230.27		43.97
14 01 20 71-0103	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	184.66		43.97
14 01 20 71-0104	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	210.69		43.97
14 01 20 71-0105	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	330.11		43.97
14 01 20 71-0106	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	371.41		43.97
14 01 20 71-0107	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	150.73		43.97
14 01 20 71-0108	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	152.32		43.97
14 01 20 71-0109	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	195.56		43.97
14 01 20 71-0110	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	182.82		43.97
14 01 20 71-0111	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	196.41		43.97
14 01 20 71-0112	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	247.10		43.97
14 01 20 71-0113	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	189.27		43.97
14 01 20 71-0114	LF	3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	193.65		43.97
14 01 20 71-0115	LF	3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	327.00		43.97
14 01 20 71-0116	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	213.22		43.97
14 01 20 71-0117	LF	3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	327.84		43.97
14 01 20 71-0118	LF	3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	371.41		43.97

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**14 20 Elevators** <sup>(14)</sup>

Note: Excludes final electrical work or shaft walls.

**14 21 Electric Traction Elevators** <sup>(14 20)</sup>

**14 21 13 Electric Traction Freight Elevators** <sup>(14 21)</sup>

**14 21 13 00-0001 Electric Traction Freight Elevators** <sup>(14 21 13)</sup>

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings.....	387,845.59
		<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94
		<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35
		<i>For Each Opening With Two Speed Doors, Add</i>	830.82
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00
		<i>For Stainless Steel Cab Interior, Add</i>	7,344.00
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Class "C-1" Loading, Add</i>	1,529.39
		<i>For Class "C-2" Loading, Add</i>	1,836.00
		<i>For Class "C-3" Loading, Add</i>	2,511.65
		<i>For Removal Of Existing Stop, Add</i>	9,643.54
		<i>For Each Additional Stop, Add</i>	37,001.84
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-32,081.61
		<i>For Each Additional 50 FPM, Add</i>	5,508.00
		<i>For Removal Of Existing Elevator, Add</i>	48,217.70
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings.....	408,697.35
		<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94
		<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35
		<i>For Each Opening With Two Speed Doors, Add</i>	830.82
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00
		<i>For Stainless Steel Cab Interior, Add</i>	7,344.00
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Class "C-1" Loading, Add</i>	3,058.78
		<i>For Class "C-2" Loading, Add</i>	3,672.00
		<i>For Class "C-3" Loading, Add</i>	5,089.39
		<i>For Removal Of Existing Stop, Add</i>	9,643.54
		<i>For Each Additional Stop, Add</i>	37,001.84
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-32,081.61
		<i>For Each Additional 50 FPM, Add</i>	5,508.00
		<i>For Removal Of Existing Elevator, Add</i>	48,217.70
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 LB x 200 FPM, 6 Stops, 6 Openings.....	431,352.62
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Class "C-1" Loading, Add</i>	3,058.78
		<i>For Class "C-2" Loading, Add</i>	3,672.00
		<i>For Class "C-3" Loading, Add</i>	5,089.39
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,590.00
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,426.00
		<i>For Stainless Steel Cab Interior, Add</i>	8,262.00
		<i>For Removal Of Existing Stop, Add</i>	9,643.54
		<i>For Each Additional Stop, Add</i>	37,919.84
		<i>For Each Additional 50 FPM, Add</i>	5,508.00
		<i>For Each Opening With Bonderized Steel Door, Add</i>	275.40
		<i>For Each Opening With Stainless Steel Doors, Add</i>	550.80
		<i>For Each Opening With Two Speed Doors, Add</i>	688.50
		<i>For Removal Of Existing Elevator, Add</i>	48,217.70
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-33,081.61
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM, 6 Stops, 6 Openings.....	441,484.75
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Class "C-1" Loading, Add</i>	3,058.78
		<i>For Class "C-2" Loading, Add</i>	3,672.00
		<i>For Class "C-3" Loading, Add</i>	5,089.39
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,590.00
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,426.00
		<i>For Stainless Steel Cab Interior, Add</i>	8,262.00
		<i>For Removal Of Existing Stop, Add</i>	9,643.54
		<i>For Each Additional Stop, Add</i>	37,919.84
		<i>For Each Additional 50 FPM, Add</i>	5,508.00
		<i>For Each Opening With Bonderized Steel Door, Add</i>	275.40
		<i>For Each Opening With Stainless Steel Doors, Add</i>	550.80
		<i>For Each Opening With Two Speed Doors, Add</i>	688.50
		<i>For Removal Of Existing Elevator, Add</i>	48,217.70
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-33,081.61
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM, 6 Stops, 6 Openings.....	455,221.84
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00
		<i>For Each Additional 50 FPM, Add</i>	13,847.00
		<i>For Class "C-1" Loading, Add</i>	6,119.39
		<i>For Class "C-2" Loading, Add</i>	7,344.00
		<i>For Class "C-3" Loading, Add</i>	10,046.59
		<i>For Removal Of Existing Stop, Add</i>	9,643.54
		<i>For Each Additional Stop, Add</i>	37,919.84
		<i>For Each Opening With Bonderized Steel Door, Add</i>	367.20
		<i>For Each Opening With Stainless Steel Doors, Add</i>	642.60
		<i>For Each Opening With Two Speed Doors, Add</i>	780.30
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,508.00
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,344.00
		<i>For Stainless Steel Cab Interior, Add</i>	9,180.00
		<i>For Removal Of Existing Elevator, Add</i>	48,217.70
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-33,081.61

**14 Conveying Equipment**

**14 20 Elevators**

**14 21 Electric Traction Elevators**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM, 6 Stops, 6 Openings .....	470,786.44	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	13,847.00	
		<i>For Class "C-1" Loading, Add</i>	6,119.39	
		<i>For Class "C-2" Loading, Add</i>	7,344.00	
		<i>For Class "C-3" Loading, Add</i>	10,046.59	
		<i>For Removal Of Existing Stop, Add</i>	9,643.54	
		<i>For Each Additional Stop, Add</i>	37,919.84	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	367.20	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	642.60	
		<i>For Each Opening With Two Speed Doors, Add</i>	780.30	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,508.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,344.00	
		<i>For Stainless Steel Cab Interior, Add</i>	9,180.00	
		<i>For Removal Of Existing Elevator, Add</i>	48,217.70	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-33,081.61	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM, 6 Stops, 6 Openings .....	484,147.06	
		<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
		<i>For Each Additional 50 FPM, Add</i>	13,847.00	
		<i>For Class "C-1" Loading, Add</i>	6,119.39	
		<i>For Class "C-2" Loading, Add</i>	7,344.00	
		<i>For Class "C-3" Loading, Add</i>	10,046.59	
		<i>For Removal Of Existing Stop, Add</i>	9,643.54	
		<i>For Each Additional Stop, Add</i>	37,919.84	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	367.20	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	642.60	
		<i>For Each Opening With Two Speed Doors, Add</i>	780.30	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	5,508.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	7,344.00	
		<i>For Stainless Steel Cab Interior, Add</i>	9,180.00	
		<i>For Removal Of Existing Elevator, Add</i>	48,217.70	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-33,081.61	

**14 21 23 Electric Traction Passenger Elevators (14 21)**

**14 21 23 13 Machine Room Electric Traction Passenger Elevators (14 21 23)**

**14 21 23 13-0001 Electric Traction Passenger Elevators (14 21 23 13)**

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM, 6 Stops, 6 Openings .....	287,681.84	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
		<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
		<i>For Each Additional 50 FPM, Add</i>	5,711.89	
		<i>For Removal Of Existing Stop, Add</i>	4,820.52	
		<i>For Each Additional Stop, Add</i>	37,001.84	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-22,051.30	
		<i>For Removal Of Existing Elevator, Add</i>	36,153.93	
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 LB x 200 FPM, 6 Stops, 6 Openings .....	295,257.28	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
		<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
		<i>For Each Additional 50 FPM, Add</i>	5,711.89	
		<i>For Removal Of Existing Stop, Add</i>	4,820.52	
		<i>For Each Additional Stop, Add</i>	37,001.84	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-22,051.30	
		<i>For Removal Of Existing Elevator, Add</i>	36,153.93	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 LB x 200 FPM, 6 Stops, 6 Openings .....	302,022.73	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
		<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
		<i>For Each Additional 50 FPM, Add</i>	5,711.89	
		<i>For Removal Of Existing Stop, Add</i>	4,820.52	
		<i>For Each Additional Stop, Add</i>	37,001.84	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-22,051.30	
		<i>For Removal Of Existing Elevator, Add</i>	36,153.93	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 LB x 200 FPM, 6 Stops, 6 Openings .....	306,948.09	
		<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
		<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
		<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
		<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
		<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
		<i>For Each Additional 50 FPM, Add</i>	5,711.89	
		<i>For Removal Of Existing Stop, Add</i>	4,820.52	
		<i>For Each Additional Stop, Add</i>	37,001.84	
		<i>For Each Floor &lt; 6 Stops, Deduct</i>	-22,051.30	
		<i>For Removal Of Existing Elevator, Add</i>	36,153.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0006	EA		Electric Traction Passenger Elevator, 4,000 LB x 200 FPM, 6 Stops, 6 Openings.....	313,344.18	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Stop, Add</i>	4,820.52	
			<i>For Each Additional Stop, Add</i>	37,001.84	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-22,051.30	
			<i>For Removal Of Existing Elevator, Add</i>	36,153.93	
14 21 23 13-0007	EA		Electric Traction Passenger Elevator, 4,500 LB x 200 FPM, 6 Stops, 6 Openings.....	319,404.12	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Stop, Add</i>	4,820.52	
			<i>For Each Additional Stop, Add</i>	37,001.84	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-22,051.30	
			<i>For Removal Of Existing Elevator, Add</i>	36,153.93	
14 21 23 13-0008	EA		Electric Traction Passenger Elevator, 5,000 LB x 200 FPM, 6 Stops, 6 Openings.....	325,602.47	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Stop, Add</i>	4,820.52	
			<i>For Each Additional Stop, Add</i>	37,001.84	
			<i>For Each Floor &lt; 6 Stops, Deduct</i>	-22,051.30	
			<i>For Removal Of Existing Elevator, Add</i>	36,153.93	

**14 24 Hydraulic Elevators (14 20)**

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

**14 24 13 Hydraulic Freight Elevators (14 24)**

**14 24 13 00-0001 Hydraulic Freight Elevators (14 24 13)**

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

14 24 13 00-0002	EA		Hydraulic Freight Elevator, 3,000 LB x 50 FPM, 3 Stops, 3 Openings.....	237,139.73	
			<i>For Each Additional Stop, Add</i>	26,630.75	
			<i>For 2 Stops, Deduct</i>	-16,224.93	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Each Opening With Two Speed Doors, Add</i>	830.82	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Each Additional 50 FPM, Add</i>	2,769.40	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-1" Loading, Add</i>	1,529.39	
			<i>For Class "C-2" Loading, Add</i>	1,836.00	
			<i>For Class "C-3" Loading, Add</i>	2,511.65	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,643.54	
			<i>For Removal Of Existing Elevator, Add</i>	24,142.56	
14 24 13 00-0003	EA		Hydraulic Freight Elevator, 3,500 LB x 50 FPM, 3 Stops, 3 Openings.....	244,544.65	
			<i>For Each Additional Stop, Add</i>	26,630.75	
			<i>For 2 Stops, Deduct</i>	-16,224.93	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Each Opening With Two Speed Doors, Add</i>	830.82	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Each Additional 50 FPM, Add</i>	2,769.40	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Class "C-1" Loading, Add</i>	1,529.39	
			<i>For Class "C-2" Loading, Add</i>	1,836.00	
			<i>For Class "C-3" Loading, Add</i>	2,511.65	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,643.54	
			<i>For Removal Of Existing Elevator, Add</i>	24,142.56	



**14 Conveying Equipment**

**14 20 Elevators**

**14 24 Hydraulic Elevators**



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM, 3 Stops, 3 Openings.....		251,372.77	
		For Each Additional Stop, Add		26,630.75	
		For 2 Stops, Deduct		-16,224.93	
		For Each Opening With Bonderized Steel Door, Add		276.94	
		For Each Opening With Stainless Steel Doors, Add		692.35	
		For Each Opening With Two Speed Doors, Add		830.82	
		For Custom Plastic Laminated Cab Interiors, Add		3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		5,508.00	
		For Stainless Steel Cab Interior, Add		7,344.00	
		For Each Additional 50 FPM, Add		2,769.40	
		For Elevator With Manual Door, Deduct		-10,000.00	
		For Class "C-1" Loading, Add		1,529.39	
		For Class "C-2" Loading, Add		1,836.00	
		For Class "C-3" Loading, Add		2,511.65	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF		359.13	
		Note: Includes Labor and Equipment.			
		For 12" PVC Liner, Add Per LF		52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For 12" Steel Liner, Add Per LF		82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For Removal Of Existing Stop, Add		9,643.54	
		For Removal Of Existing Elevator, Add		24,142.56	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM, 3 Stops, 3 Openings.....		257,993.00	
		For Each Opening With Bonderized Steel Door, Add		276.94	
		For Each Opening With Stainless Steel Doors, Add		692.35	
		For Each Opening With Two Speed Doors, Add		830.82	
		For Custom Plastic Laminated Cab Interiors, Add		3,672.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		5,508.00	
		For Stainless Steel Cab Interior, Add		7,344.00	
		For Each Additional 50 FPM, Add		2,769.40	
		For Elevator With Manual Door, Deduct		-10,000.00	
		For Each Additional Stop, Add		28,015.45	
		For 2 Stops, Deduct		-17,224.93	
		For Class "C-1" Loading, Add		3,058.78	
		For Class "C-2" Loading, Add		3,672.00	
		For Class "C-3" Loading, Add		5,089.39	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF		359.13	
		Note: Includes Labor and Equipment.			
		For 12" PVC Liner, Add Per LF		52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For 12" Steel Liner, Add Per LF		82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For Removal Of Existing Stop, Add		9,643.54	
		For Removal Of Existing Elevator, Add		24,142.56	
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM, 3 Stops, 3 Openings.....		271,954.82	
		For Each Opening With Bonderized Steel Door, Add		276.94	
		For Each Opening With Stainless Steel Doors, Add		692.35	
		For Each Opening With Two Speed Doors, Add		830.82	
		For Elevator With Manual Door, Deduct		-10,000.00	
		For Each Additional Stop, Add		28,015.45	
		For 2 Stops, Deduct		-17,224.93	
		For Class "C-1" Loading, Add		3,058.78	
		For Class "C-2" Loading, Add		3,672.00	
		For Class "C-3" Loading, Add		5,089.39	
		For Each Additional 50 FPM, Add		13,847.00	
		For Custom Plastic Laminated Cab Interiors, Add		4,590.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		6,426.00	
		For Stainless Steel Cab Interior, Add		8,262.00	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF		359.13	
		Note: Includes Labor and Equipment.			
		For 12" PVC Liner, Add Per LF		52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For 12" Steel Liner, Add Per LF		82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For Removal Of Existing Stop, Add		9,643.54	
		For Removal Of Existing Elevator, Add		24,142.56	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 LB x 50 FPM, 3 Stops, 3 Openings.....		278,658.72	
		For Each Opening With Bonderized Steel Door, Add		276.94	
		For Each Opening With Stainless Steel Doors, Add		692.35	
		For Each Opening With Two Speed Doors, Add		830.82	
		For Elevator With Manual Door, Deduct		-10,000.00	
		For Each Additional Stop, Add		28,015.45	
		For 2 Stops, Deduct		-17,224.93	
		For Class "C-1" Loading, Add		3,058.78	
		For Class "C-2" Loading, Add		3,672.00	
		For Class "C-3" Loading, Add		5,089.39	
		For Each Additional 50 FPM, Add		13,847.00	
		For Custom Plastic Laminated Cab Interiors, Add		4,590.00	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add		6,426.00	
		For Stainless Steel Cab Interior, Add		8,262.00	
		For Well Hole Drilling (12" Diameter Hole), Add Per VLF		359.13	
		Note: Includes Labor and Equipment.			
		For 12" PVC Liner, Add Per LF		52.88	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For 12" Steel Liner, Add Per LF		82.62	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.			
		For Removal Of Existing Stop, Add		9,643.54	
		For Removal Of Existing Elevator, Add		36,153.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 24 13 00-0008	EA		Hydraulic Freight Elevator, 8,000 LB x 50 FPM, 3 Stops, 3 Openings.....	288,686.04	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Each Opening With Two Speed Doors, Add</i>	830.82	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	28,015.45	
			<i>For 2 Stops, Deduct</i>	-17,224.93	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,590.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,426.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,262.00	
			<i>For Each Additional 50 FPM, Add</i>	15,231.70	
			<i>For Class "C-1" Loading, Add</i>	7,646.94	
			<i>For Class "C-2" Loading, Add</i>	9,180.00	
			<i>For Class "C-3" Loading, Add</i>	12,558.24	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,643.54	
			<i>For Removal Of Existing Elevator, Add</i>	36,153.93	
14 24 13 00-0009	EA		Hydraulic Freight Elevator, 10,000 LB x 50 FPM, 3 Stops, 3 Openings.....	296,170.51	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Each Opening With Two Speed Doors, Add</i>	830.82	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	28,015.45	
			<i>For 2 Stops, Deduct</i>	-17,224.93	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,590.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,426.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,262.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,643.54	
			<i>For Removal Of Existing Elevator, Add</i>	36,153.93	
			<i>For Each Additional 50 FPM, Add</i>	16,616.40	
			<i>For Class "C-1" Loading, Add</i>	10,170.52	
			<i>For Class "C-2" Loading, Add</i>	12,209.40	
			<i>For Class "C-3" Loading, Add</i>	16,702.09	
14 24 13 00-0010	EA		Hydraulic Freight Elevator, 12,000 LB x 50 FPM, 3 Stops, 3 Openings.....	308,656.51	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Each Opening With Two Speed Doors, Add</i>	830.82	
			<i>For Elevator With Manual Door, Deduct</i>	-10,000.00	
			<i>For Each Additional Stop, Add</i>	28,015.45	
			<i>For 2 Stops, Deduct</i>	-17,224.93	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	4,590.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	6,426.00	
			<i>For Stainless Steel Cab Interior, Add</i>	8,262.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Removal Of Existing Stop, Add</i>	9,643.54	
			<i>For Removal Of Existing Elevator, Add</i>	36,153.93	
			<i>For Each Additional 50 FPM, Add</i>	16,616.40	
			<i>For Class "C-1" Loading, Add</i>	10,170.52	
			<i>For Class "C-2" Loading, Add</i>	12,209.40	
			<i>For Class "C-3" Loading, Add</i>	16,702.09	
14 24 13 00-0011			<b>Hydraulic Elevators Piston Drilling</b> <sup>(14 24 13)</sup>		
14 24 13 00-0012	VLF		Up To 6" Diameter Piston Drilling .....	107.97	
			<i>Note: Includes casing.</i>		
14 24 13 00-0013	VLF		8" To 10" Diameter Piston Drilling.....	128.65	
			<i>Note: Includes casing.</i>		

**14 24 23 Hydraulic Passenger Elevators** <sup>(14 24)</sup>

14 24 23 00-0001 Hydraulic Passenger Elevators <sup>(14 24 23)</sup>

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of \$7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

**14 Conveying Equipment**

**14 20 Elevators**

**14 24 Hydraulic Elevators**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0002	EA		Hydraulic Passenger Elevator, 2,100 LB x 100 FPM, 3 Stops, 3 Openings.....	162,921.65	
			<i>For Each Additional Stop, Add</i>	26,630.75	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Elevator, Add</i>	24,142.56	
			<i>For Removal Of Existing Stop, Add</i>	4,820.52	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0003	EA		Hydraulic Passenger Elevator, 2,500 LB x 100 FPM, 3 Stops, 3 Openings.....	165,691.05	
			<i>For Each Additional Stop, Add</i>	26,630.75	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Elevator, Add</i>	24,142.56	
			<i>For Removal Of Existing Stop, Add</i>	4,820.52	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0004	EA		Hydraulic Passenger Elevator, 3,000 LB x 100 FPM, 3 Stops, 3 Openings.....	167,595.01	
			<i>For Each Additional Stop, Add</i>	26,630.75	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Elevator, Add</i>	24,142.56	
			<i>For Removal Of Existing Stop, Add</i>	4,820.52	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0005	EA		Hydraulic Passenger Elevator, 3,500 LB x 100 FPM, 3 Stops, 3 Openings.....	175,498.77	
			<i>For Each Additional Stop, Add</i>	26,630.75	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Elevator, Add</i>	24,142.56	
			<i>For Removal Of Existing Stop, Add</i>	4,820.52	
			<i>For 2 Stops, Deduct</i>	-10,000.00	
14 24 23 00-0006	EA		Hydraulic Passenger Elevator, 4,000 LB x 100 FPM, 3 Stops, 3 Openings.....	178,726.67	
			<i>For Each Additional Stop, Add</i>	26,630.75	
			<i>For Each Opening With Bonderized Steel Door, Add</i>	276.94	
			<i>For Each Opening With Stainless Steel Doors, Add</i>	692.35	
			<i>For Custom Plastic Laminated Cab Interiors, Add</i>	3,672.00	
			<i>For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add</i>	5,508.00	
			<i>For Stainless Steel Cab Interior, Add</i>	7,344.00	
			<i>For Well Hole Drilling (12" Diameter Hole), Add Per VLF</i>	359.13	
			<i>Note: Includes Labor and Equipment.</i>		
			<i>For 12" PVC Liner, Add Per LF</i>	52.88	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For 12" Steel Liner, Add Per LF</i>	82.62	
			<i>Note: Liner for Hydraulic Elevator Well Hole if necessary.</i>		
			<i>For Each Additional 50 FPM, Add</i>	5,711.89	
			<i>For Removal Of Existing Elevator, Add</i>	24,142.56	
			<i>For Removal Of Existing Stop, Add</i>	4,820.52	
			<i>For 2 Stops, Deduct</i>	-10,000.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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14 24 23 00-0007	EA		Hydraulic Passenger Elevator, 4,500 LB x 100 FPM, 3 Stops, 3 Openings.....	182,776.92	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
			For Stainless Steel Cab Interior, Add	7,344.00	
			For Each Additional Stop, Add	28,015.45	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	359.13	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	52.88	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	82.62	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,711.89	
			For Removal Of Existing Elevator, Add	24,142.56	
			For Removal Of Existing Stop, Add	4,820.52	
			For 2 Stops, Deduct	-10,000.00	
14 24 23 00-0008	EA		Hydraulic Passenger Elevator, 5,000 LB x 100 FPM, 3 Stops, 3 Openings.....	187,412.25	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Each Opening With Two Speed Doors, Add	830.82	
			For Custom Plastic Laminated Cab Interiors, Add	3,672.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	5,508.00	
			For Stainless Steel Cab Interior, Add	7,344.00	
			For Each Additional Stop, Add	28,015.45	
			For Well Hole Drilling (12" Diameter Hole), Add Per VLF	359.13	
			Note: Includes Labor and Equipment.		
			For 12" PVC Liner, Add Per LF	52.88	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For 12" Steel Liner, Add Per LF	82.62	
			Note: Liner for Hydraulic Elevator Well Hole if necessary.		
			For Each Additional 50 FPM, Add	5,711.89	
			For Removal Of Existing Elevator, Add	24,142.56	
			For Removal Of Existing Stop, Add	4,820.52	
			For 2 Stops, Deduct	-10,000.00	

**14 24 23 00-0009 Twin Jack Holeless Hydraulic Passenger Elevator (14 24 23)**

Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.

14 24 23 00-0010	EA		Twin Holeless Hydraulic Passenger Elevator, 2,100 LB x 100 FPM.....	139,223.05	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
			For Stainless Steel Cab Interior, Add	5,508.00	
			For Removal Of Existing Elevator, Add	24,142.56	
			For Each Additional Stop, Add	28,439.26	
			For An Additional 25 FPM, Add	2,333.22	
14 24 23 00-0011	EA		Twin Holeless Hydraulic Passenger Elevator, 2,500 LB x 100 FPM.....	144,334.94	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
			For Stainless Steel Cab Interior, Add	5,508.00	
			For Removal Of Existing Elevator, Add	24,142.56	
			For Each Additional Stop, Add	28,439.26	
			For An Additional 25 FPM, Add	2,333.22	
14 24 23 00-0012	EA		Twin Holeless Hydraulic Passenger Elevator, 3,000 LB x 100 FPM.....	149,254.90	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
			For Stainless Steel Cab Interior, Add	5,508.00	
			For Removal Of Existing Elevator, Add	24,142.56	
			For Each Additional Stop, Add	28,439.26	
			For An Additional 25 FPM, Add	2,333.22	
14 24 23 00-0013	EA		Twin Holeless Hydraulic Passenger Elevator, 3,500 LB x 100 FPM.....	172,241.31	
			For Each Opening With Bonderized Steel Door, Add	276.94	
			For Each Opening With Stainless Steel Doors, Add	692.35	
			For Custom Plastic Laminated Cab Interiors, Add	3,213.00	
			For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	4,590.00	
			For Stainless Steel Cab Interior, Add	5,508.00	
			For Removal Of Existing Elevator, Add	24,142.56	
			For Each Additional Stop, Add	28,439.26	
			For An Additional 25 FPM, Add	2,333.22	

**14 26 Limited-Use/Limited-Application Elevators (14 20)**

**14 26 00 00-0001 Small Elevators (LULA) (14 26)**

14 26 00 00-0002	EA		Small Elevators (LULA), 1,400 LB x 30 FPM, 2 Stops, 2 Openings.....	102,507.22	
			Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
			For Each Additional Stop, Add	17,342.95	
			For Removal Of Existing Elevator, Add	7,232.66	

**14 27 Custom Elevator Cabs and Doors (14 20)**

**14 Conveying Equipment**

**14 20 Elevators**

**14 27 Custom Elevator Cabs and Doors**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**14 27 13 Custom Elevator Cab Finishes (14 27)**

14 27 13 00-0001	Custom Elevator Cab Finish Options (14 27 13)		
	Note: Review elevator task modifiers for additional cab finishes.		
14 27 13 00-0002	EA Intercom Service .....	1,599.53	
14 27 13 00-0003	Custom Elevator Hall Finish Options (14 27 13)		
14 27 13 00-0004	EA Stainless Steel Door, Hall Finishes .....	1,680.91	
14 27 13 00-0005	EA Stainless Steel Frames, Hall Finishes.....	1,766.38	
14 27 13 00-0006	EA Hall Lantern, Signal Devices .....	975.90	

**14 27 16 Custom Elevator Doors (14 27)**

14 27 16 00-0001	Custom Elevator Door Options (14 27 16)		
14 27 16 00-0002	EA Center Opening, 1 Speed Doors.....	3,806.78	
14 27 16 00-0003	EA Center Opening, 2 Speed Doors .....	4,775.44	
14 27 16 00-0004	EA Rear Opening Doors (Opposite Front).....	6,513.33	
14 27 16 00-0005	EA Side Opening, 2 Speed Doors .....	10,131.56	
14 27 16 00-0006	EA Bi-Parting Doors.....	11,492.46	
14 27 16 00-0007	EA Power Operated Door And Gate .....	33,087.88	

**14 28 Elevator Equipment and Controls (14 20)**

**14 28 16 Elevator Controls (14 28)**

14 28 16 00-0001	Passenger Or Freight Elevator Options (14 28 16)		
14 28 16 00-0002	EA 2 Car Group, Elevator Automatic Controls.....	8,834.69	1,133.29
14 28 16 00-0003	EA 3 Car Group, Elevator Automatic Controls.....	13,377.29	1,698.72
14 28 16 00-0004	EA 4 Car Group, Elevator Automatic Controls.....	20,557.36	2,264.94
14 28 16 00-0005	EA 5 Car Group, Elevator Automatic Controls.....	28,805.34	2,874.70
14 28 16 00-0006	EA 6 Car Group, Elevator Automatic Controls.....	39,945.60	3,397.40
14 28 16 00-0007	EA Duplex Care Selective Collective.....	8,928.36	
14 28 16 00-0008	EA Automatic Emergency Power Switching .....	5,822.95	
14 28 16 00-0009	EA Manual Emergency Power Switching .....	970.21	
14 28 16 00-0010	EA Up To 3, Position Indicator, Signal Devices.....	235.16	
14 28 16 00-0011	EA >3, Position Indicator, Signal Devices.....	198.39	
14 28 16 00-0012	EA High Speed Heavy Duty Door Opener.....	3,133.90	
14 28 16 00-0013	EA Variable Voltage, Overhead Gearless Machine, Minimum.....	57,228.62	
14 28 16 00-0014	EA Variable Voltage, Overhead Gearless Machine, Average.....	93,504.16	
14 28 16 00-0015	EA Variable Voltage, Overhead Gearless Machine, Maximum.....	129,599.44	
14 28 16 00-0016	EA Variable Voltage, Basement Installed Geared Machine, Minimum .....	24,238.66	
14 28 16 00-0017	EA Variable Voltage, Basement Installed Geared Machine, Average .....	29,480.82	
14 28 16 00-0018	EA Variable Voltage, Basement Installed Geared Machine, Maximum .....	32,443.78	

**14 40 Lifts (14)**

**14 41 People Lifts (14 40)**

**14 41 16 Endless-Belt People Lifts (14 41)**

14 41 16 00-0001	Personnel Lifts Electrically Operated (14 41 16)		
	Note: 1 Or 2 person lift by vertical belt with attached foot platforms average of 36" diameter openings.		
14 41 16 00-0002	EA Personnel Lifts, Electric, 1-2 Person, 3 Stops.....	28,590.64	
	For An Additional Stop, Add	816.78	
	For Tinted Plexiglas Enclosure, Weatherproof, Add	3,430.88	
14 41 16 00-0003	EA Personnel Lifts, Electric, 1-2 Person, 5 Stops.....	30,075.86	
	For An Additional Stop, Add	816.78	
	For Tinted Plexiglas Enclosure, Weatherproof, Add	3,609.10	
14 41 16 00-0004	EA Personnel Lifts, Electric, 1-2 Person, 7 Stops.....	31,561.09	
	For An Additional Stop, Add	816.78	
	For Tinted Plexiglas Enclosure, Weatherproof, Add	3,787.33	

**14 41 19 Stairway Chairlifts (14 41)**

14 41 19 00-0001	Chair Lift-Stair Climber (14 41 19)		
	Note: Includes landing, rails, lifting device and gates.		
14 41 19 00-0002	EA Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity.....	8,108.03	1,183.84
	Note: Includes top and bottom call button, safety chair, track, and power unit.		
14 41 19 00-0003	EA Stair Glide, Stairway Lift, Access Industries Commercial Package.....	10,799.83	474.27
	Note: Complete assembly includes 16' rail, seat, carriage, footrest, obstruction safety panels, locking swivel top and bottom, keyed call/send controls, limit switch, armrest controls, seat belt, lock box, and overspeed brake.		
	For Each Additional Foot Of Rail, Add	61.44	

**14 42 Wheelchair Lifts (14 40)**

**14 42 13 Inclined Wheelchair Lifts (14 42)**

14 42 13 00-0001	Inclined Platform Wheelchair Lift-Stair Climber (14 42 13)		
	Note: Includes landing, rails, lifting device and gates.		
14 42 13 00-0002	EA Inclined Wheelchair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity .....	15,090.04	1,775.77
	Note: Includes top and bottom call button, safety chair, track, and power unit.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**14 42 16 Vertical Wheelchair Lifts (14 42)**

**14 42 16 00-0001 Wheelchair Lift (Shorty) (14 42 16)**

14 42 16 00-0002	EA		36" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp. <i>For Accordion Safety Skirt, Add</i> <i>For Removable Handrails, Add</i> <i>For Power Operated Ramp, Add</i>	9,830.29  1,088.87 110.97 970.97	828.69
14 42 16 00-0003	EA		42" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp. <i>For 2,000 LB Capacity, Add</i> <i>For 3,000 LB Capacity, Add</i> <i>For 4,000 LB Capacity, Add</i> <i>For Accordion Safety Skirt, Add</i> <i>For Removable Handrails, Add</i> <i>For Power Operated Ramp, Add</i>	12,093.65  651.94 1,088.87 1,629.84 1,088.87 110.97 970.97	1,035.86
14 42 16 00-0004	EA		70" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp. <i>For 2,000 LB Capacity, Add</i> <i>For 3,000 LB Capacity, Add</i> <i>For 4,000 LB Capacity, Add</i> <i>For Accordion Safety Skirt, Add</i> <i>For Removable Handrails, Add</i> <i>For Power Operated Ramp, Add</i>	14,438.00  651.94 1,088.87 1,629.84 1,088.87 110.97 970.97	1,346.62
14 42 16 00-0005	EA		84" Vertical Travel Wheelchair Platform Scissor Lift..... Note: 1000 LB capacity. Includes handrails and manual ramp. <i>For 2,000 LB Capacity, Add</i> <i>For 3,000 LB Capacity, Add</i> <i>For 4,000 LB Capacity, Add</i> <i>For Accordion Safety Skirt, Add</i> <i>For Removable Handrails, Add</i> <i>For Power Operated Ramp, Add</i>	16,229.76  651.94 1,088.87 1,629.84 1,088.87 110.97 970.97	1,553.80
14 42 16 00-0006	EA		18" Travel Wheelchair Incline Lift..... Note: 500 LB capacity, interior installation.	16,684.95	739.91

**14 42 16 00-0007 Wheelchair Screw Lift (14 42 16)**

14 42 16 00-0008	EA		36" x 60" Platform, 750 LB Capacity, Up To 52" Lifting Height Toe Guard Porch Lift (ThyssenKrupp Access PL-TG)..... <i>For Battery Operated System, Add</i> <i>For Hydraulic Drive, Add</i> <i>For Flush/Surface Mount Paddle Call/Send Controls (Key Operation), Add</i> <i>For Clear Or Bronze Tinted Acrylic Insert In Upper Landing Gate, Add</i> <i>For Clear Or Bronze Tinted Acrylic Insert In Lower Landing Gate, Add</i> <i>For Auto-Opener For Door Or Gate (Per Landing), Add</i> <i>For 90 Degree Exit Platform, Add</i> <i>For Clear Or Bronze Tinted Acrylic Insert In 42" Guard Panel, Add</i> <i>For ADA Compliant Phone With Emergency Platform Light, Add</i> <i>For Special Order Colors (Taupe, Sable Brown, Pearl Gray Or Selected From Sherwin Williams/RAL Colors), Add</i>	21,313.80 2,419.43 2,699.59 427.06 344.82 646.53 2,840.78 2,290.12 883.59 2,021.84 3,297.30	3,329.55
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**END OF SECTION 14**



**14 Conveying Equipment**

14 40 Lifts

14 42 Wheelchair Lifts

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 21 Fire Suppression

### 21 01 Operation and Maintenance of Fire Suppression <sup>(21)</sup>

#### 21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems <sup>(21 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

##### 21 01 10 91 Water-Based Fire-Suppression Systems Restoration <sup>(21 01 10)</sup>

21 01 10 91-0001	Relocate Sprinkler Head And Branch Piping <sup>(21 01 10 91)</sup>		
	See CSI section 21 13 13 00-0024 for new wet pipe sprinkler heads (when required).		
21 01 10 91-0002	EA Relocate 1 Existing Sprinkler Head And Branch Piping.....		751.19
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0003	EA Relocate 2 To 4 Existing Sprinkler Heads And Branch Piping.....		450.71
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0004	EA Relocate >4 To 10 Existing Sprinkler Heads And Branch Piping.....		180.28
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		
21 01 10 91-0005	EA Relocate >10 Existing Sprinkler Heads And Branch Piping.....		90.14
	Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.		

##### 21 01 10 91-0006 Purge And Refill System Sprinkler Piping <sup>(21 01 10 91)</sup>

Note: Includes shutting off valve, draining pipe and collection of liquid, refilling with liquid and bleeding of air from system.

21 01 10 91-0007	EA Up To 100', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....		497.28
21 01 10 91-0008	EA >100 To 250', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....		710.21
21 01 10 91-0009	EA >250 To 500', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....		850.97
21 01 10 91-0010	EA >500 To 1,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....		1,063.72
21 01 10 91-0011	EA >1,000 To 2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....		1,382.84
21 01 10 91-0012	LF >2,000', Up To 1-1/2" Diameter Pipe, Purge Liquid System (For Sprinkler Upgrades).....		0.70
21 01 10 91-0013	EA Up To 100', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		696.20
21 01 10 91-0014	EA >100 To 250', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		994.31
21 01 10 91-0015	EA >250 To 500', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		1,191.37
21 01 10 91-0016	EA >500 To 1,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		1,489.21
21 01 10 91-0017	EA >1,000 To 2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		1,935.98
21 01 10 91-0018	LF >2,000', >1-1/2" To 3" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		0.97
21 01 10 91-0019	EA Up To 100', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		957.26
21 01 10 91-0020	EA >100 To 250', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		1,367.17
21 01 10 91-0021	EA >250 To 500', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		1,638.14
21 01 10 91-0022	EA >500 To 1,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		2,047.66
21 01 10 91-0023	EA >1,000 To 2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		2,661.96
21 01 10 91-0024	LF >2,000', >3" To 6" Diameter Branch Piping, Purge Liquid System (For Sprinkler Upgrades).....		1.33
21 01 10 91-0025	EA Up To 100', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....		1,292.31
21 01 10 91-0026	EA >100 To 250', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....		1,845.67
21 01 10 91-0027	EA >250 To 500', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....		1,959.78
21 01 10 91-0028	EA >500 To 1,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....		2,449.72
21 01 10 91-0029	EA >1,000 To 2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....		3,184.65
21 01 10 91-0030	LF >2,000', >6" To 10" Diameter Main Piping, Purge Liquid System (For Sprinkler Upgrades).....		1.60

#### 21 01 30 Operation and Maintenance of Fire-Suppression Equipment <sup>(21 01)</sup>

##### 21 01 30 91 Fire-Suppression Equipment Restoration <sup>(21 01 30)</sup>

21 01 30 91-0001	Inspection And Recharge <sup>(21 01 30 91)</sup>		
21 01 30 91-0002	EA Inspection, CO2, Carbon Dioxide.....		323.01
21 01 30 91-0003	LB Refill/Recharge, CO2, Carbon Dioxide.....		2.97
21 01 30 91-0004	EA Inspection, Halon 1301.....		323.01
21 01 30 91-0005	LB Refill/Recharge, Halon 1301.....		71.32
21 01 30 91-0006	EA Inspection, WC, Wet Chemical.....		195.31
21 01 30 91-0007	GAL Refill/Recharge, WC, Wet Chemical.....		66.86
21 01 30 91-0008	EA Inspection, DC, Dry Chemical.....		195.31
21 01 30 91-0009	LB Refill/Recharge, DC, Dry Chemical.....		5.94
21 01 30 91-0010	EA Hydrostatic Testing, All Sizes, All Agents.....		60.09
	See CSI section 23 05 93 00-0046 for testing existing piping systems.		
21 01 30 91-0011	EA Disarm/Arm System.....		105.17

### 21 05 Common Work Results for Fire Suppression <sup>(21)</sup>

#### 21 05 13 Common Motor Requirements for Fire-Suppression Equipment <sup>(21 05)</sup>

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

#### 21 05 16 Expansion Fittings and Loops for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

#### 21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping <sup>(21 05)</sup>

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

#### 21 05 19 Meters and Gages for Fire-Suppression Systems <sup>(21 05)</sup>

**21 Fire Suppression****21 05 Common Work Results for Fire Suppression****21 05 19 Meters and Gages for Fire-Suppression Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

See CSI section 33 19 00 00-0000 for water utility service metering.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0001			<b>Fire Sprinkler System Water Pressure Gauge</b> <small>(21 05 19)</small>		
21 05 19 00-0002	EA		2" Diameter Dial, 0-200 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	57.92	17.34
21 05 19 00-0003	EA		2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	59.83	17.34
21 05 19 00-0004	EA		3" Diameter Dial, 0-300 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	68.75	17.34
21 05 19 00-0005	EA		3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	72.41	17.34
21 05 19 00-0006	EA		4" Diameter Dial, 0-300 PSI, Water Pressure Gauge ..... Note: For fire sprinkler systems	76.07	17.34
21 05 19 00-0007			<b>Fire Service Meter Cast Iron Housing</b> <small>(21 05 19)</small>		
21 05 19 00-0008	EA		3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i>	7,561.51 -378.08 -1,104.51	237.40
21 05 19 00-0009	EA		4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i>	15,422.77 -771.14 -2,263.54	397.99
21 05 19 00-0010	EA		6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i>	20,891.18 -1,044.56 -3,062.32	568.84
21 05 19 00-0011	EA		8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i>	27,247.36 -1,362.37 -3,996.81	726.85
21 05 19 00-0012	EA		10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing..... <i>For &gt;10 To 25, Deduct</i>	38,387.39 -1,919.37 -5,647.50	884.86

**21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping**(21 05)  
See CSI section 22 05 23 00-0000 for additional valves, 23 05 23 00-0000 for additional valves.**21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment** (21 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

**21 05 33 Heat Tracing for Fire-Suppression Piping** (21 05)

See CSI section 23 83 13 13-0000 for heat tracing cables.

**21 05 48 Vibration and Seismic Controls for Fire-Suppression Piping and Equipment** (21 05)**21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment** (21 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

**21 05 53 Identification for Fire-Suppression Piping and Equipment** (21 05)

See CSI section 23 05 53 00-0000 for identification.

**21 07 Fire-Suppression Systems Insulation** (21)**21 07 16 Fire-Suppression Equipment Insulation** (21 07)

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

**21 07 19 Fire-Suppression Piping Insulation** (21 07)

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

**21 10 Water-Based Fire-Suppression Systems** (21)

See CSI section 22 11 16 00-0383 for copper pipe, 22 11 16 00-0875 for CPVC pipe, 23 05 23 00-0037 for OS&amp;Y gate valves, 23 21 13 23-0000 for black steel piping.

**21 11 Facility Fire-Suppression Water-Service Piping** (21 10)**21 11 19 Fire-Department Connections** (21 11)**21 11 19 00-0001 Fire Department Connections** (21 11 19)

21 11 19 00-0002	EA		4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass ..... <i>For Polished Chrome, Add</i>	1,198.63 65.27	446.52
21 11 19 00-0003	EA		6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass ..... <i>For Polished Chrome, Add</i>	1,645.24 99.91	558.14
21 11 19 00-0004	EA		4" x 3" x 3" Siamese Connection, Polished Brass..... <i>For Polished Chrome, Add</i>	1,689.12 126.55	446.52
21 11 19 00-0005	EA		6" x 3" x 3" Siamese Connection, Polished Brass..... <i>For Polished Chrome, Add</i>	2,220.71 171.84	558.14
21 11 19 00-0006	EA		6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass..... <i>For Polished Chrome, Add</i>	2,361.39 189.43	558.14
21 11 19 00-0007	EA		Sidewalk Type Connection With Plug And Chain, Polished Brass..... <i>For Polished Chrome, Add</i>	2,063.37 146.09	590.73
21 11 19 00-0008	EA		Wall Type Connection With Plug And Chain, Polished Brass..... <i>For Polished Chrome, Add</i>	1,347.02 83.82	446.52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 11 19 00-0009	Wall Type Indicator Post, Wheel Operated <sup>(21 11 19)</sup> See CSI section 33 14 19 00-0169 for adjustable indicator post accessory for ground valves.		
21 11 19 00-0010	EA Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773).....	2,445.31	397.99

**21 12 Fire-Suppression Standpipes** <sup>(21 10)</sup>  
See CSI section 23 21 13 23-0000 for black steel pipe.

**21 12 13 Fire-Suppression Hoses and Nozzles** <sup>(21 12)</sup>

21 12 13 00-0001	Fire Hose <sup>(21 12 13)</sup>		
21 12 13 00-0002	Fire Hose Without Couplings <sup>(21 12 13 00-0001)</sup>		
21 12 13 00-0003	LF 1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	3.71	3.01
21 12 13 00-0004	LF 2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	4.27	3.01
21 12 13 00-0005	LF 2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	3.94	3.01
21 12 13 00-0006	LF 3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings .....	4.55	3.01
21 12 13 00-0007	LF 1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....	4.04	3.01
21 12 13 00-0008	LF 2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings .....	4.87	3.01
21 12 13 00-0009	LF 1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....	4.13	3.01
21 12 13 00-0010	LF 2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings .....	5.07	3.01

**21 12 13 00-0011 Fire Hose With Aluminum Couplings** <sup>(21 12 13 00-0001)</sup>

21 12 13 00-0012	LF 1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	9.14	1.65
21 12 13 00-0013	LF 2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	11.38	1.96
21 12 13 00-0014	LF 3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings.....	19.12	1.96

**21 12 13 00-0015 Fire Hose Accessories** <sup>(21 12 13 00-0001)</sup>

21 12 13 00-0016	EA Hose Coupling With 1-1/2" Pin Lug.....	293.02	49.58
21 12 13 00-0017	EA Hose Coupling With 2-1/2" Pin Lug.....	459.84	55.59
21 12 13 00-0018	EA 1-1/2" x 10" Brass Straight Nozzle.....	107.66	39.06
21 12 13 00-0019	EA 2-1/2" x 12" Brass Straight Nozzle.....	198.07	39.06
21 12 13 00-0020	EA 1-1/2" Brass Fog Type Nozzle.....	159.65	39.06
21 12 13 00-0021	EA 2-1/2" Brass Fog Type Nozzle.....	223.51	39.06
21 12 13 00-0022	EA 1-1/2" Brass 100' Hose Rack.....	383.15	165.26
21 12 13 00-0023	EA 2-1/2" Brass 100' Hose Rack.....	504.83	165.26

**21 12 23 Fire-Suppression Hose Valves** <sup>(21 12)</sup>

**21 12 23 00-0001 Standpipe Valves** <sup>(21 12 23)</sup>

21 12 23 00-0002	EA 2-1/2" Fire Department Valve, Polished Brass With Plug And Chain.....	913.01	295.37
	<i>For Polished Chrome, Add</i>	69.85	
21 12 23 00-0003	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	1,464.26	295.23
	<i>For Polished Chrome, Add</i>	152.54	
21 12 23 00-0004	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	1,886.59	319.36
	<i>For Polished Chrome, Add</i>	210.39	
21 12 23 00-0005	EA 3" x 3" x 4" Fire Department Valve, Flush, Polished Brass.....	2,258.62	295.23
	<i>For Polished Chrome, Add</i>	271.70	
21 12 23 00-0006	EA 3" x 3" x 6" Fire Department Valve, Flush, Polished Brass.....	2,652.17	319.36
	<i>For Polished Chrome, Add</i>	325.23	
21 12 23 00-0007	EA 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	1,379.83	295.23
	<i>For Polished Chrome, Add</i>	139.88	
21 12 23 00-0008	EA 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	2,018.98	319.36
	<i>For Polished Chrome, Add</i>	230.25	
21 12 23 00-0009	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass.....	2,582.02	304.80
	<i>For Polished Chrome, Add</i>	254.43	
21 12 23 00-0010	EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass.....	3,693.47	338.63
	<i>For Polished Chrome, Add</i>	381.64	
21 12 23 00-0011	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass.....	2,771.98	304.80
	<i>For Polished Chrome, Add</i>	277.22	
21 12 23 00-0012	EA 2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass.....	3,979.67	338.63
	<i>For Polished Chrome, Add</i>	415.98	
21 12 23 00-0013	EA 2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass.....	13,783.32	406.31
	<i>For Polished Chrome, Add</i>	1,316.76	

**21 12 23 00-0014 Fire Hose Angle Valves** <sup>(21 12 23)</sup>

21 12 23 00-0015	EA 1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve .....	258.16	40.56
21 12 23 00-0016	EA 1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve .....	304.15	40.56
21 12 23 00-0017	EA 1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve .....	287.43	40.56
21 12 23 00-0018	EA 1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve .....	333.42	40.56
21 12 23 00-0019	EA 2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve .....	456.67	67.61
21 12 23 00-0020	EA 2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve .....	523.58	67.61
21 12 23 00-0021	EA 2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve .....	529.15	67.61
21 12 23 00-0022	EA 2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve .....	596.05	67.61

**21 12 29 Fire-Suppression Fire Hose Equipment** <sup>(21 12)</sup>

**21 12 29 00-0001 Standpipe And Fire Hose Equipment** <sup>(21 12 29)</sup>

21 12 29 00-0002	EA 2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass .....	4,692.01	732.17
21 12 29 00-0003	EA Water Motor Gong .....	1,674.02	223.16
21 12 29 00-0004	EA Fire Riser Flow Switch (National Fire Protection Association 13) .....	1,560.46	25.97

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 12 Fire-Suppression Standpipes**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 12 29 00-0005 EA Water Flow Supervisory (Tamper) Switch Mounted On Valve .....274.79 44.41

**21 12 29 00-0006 Water Flow Detector** (21 12 29)**21 12 29 00-0007 Pressure-Type Water Flow Detector** (21 12 29 00-0006)

21 12 29 00-0008 EA Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe .....462.05 136.65  
 21 12 29 00-0009 EA Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe .....666.04 181.07  
 21 12 29 00-0010 EA Pressure-Type Water Flow Detector For >4" To 8" Pipe .....1,002.77 204.99

**21 12 29 00-0011 Vane-Type Water Flow Detector** (21 12 29 00-0006)

21 12 29 00-0012 EA Vane-Type Water Flow Detector For Up To 2-1/2" Pipe .....564.18 136.65  
 21 12 29 00-0013 EA Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe .....791.16 181.07  
 21 12 29 00-0014 EA Vane-Type Water Flow Detector For >4" To 8" Pipe .....1,201.12 204.99

**21 13 Fire-Suppression Sprinkler Systems** (21 10)**21 13 13 Wet-Pipe Sprinkler Systems** (21 13)**21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems Assemblies** (21 13 13)

Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1395 for individual grooved pipe, 23 21 13 23-1468 for individual grooved pipe fittings.

**21 13 13 00-0002 Light Hazard, Complete Wet-Pipe Sprinkler System Assemblies** (21 13 13 00-0001)

21 13 13 00-0003 EA Exposed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly .....1,114.87  
 Note: Includes branch pipe and fittings, supports and sprinkler heads.

For Copper Pipe, Add 143.15  
 For Polyvinyl Chloride (PVC) Pipe, Deduct -198.89  
 For Tamper Resistant Pendent Sprinkler Head, Add 27.05  
 For Tamper Resistant Sidewall Sprinkler Head, Add 29.30  
 For Up To 5, Add 494.11  
 For >5 To 10, Add 295.22  
 For >10 To 20, Add 183.74  
 For >20 To 40, Add 79.83  
 For >100 To 150, Deduct -111.49  
 For >150, Deduct -222.97

21 13 13 00-0004 EA Concealed Piping, Light Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly .....1,394.24  
 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.

For Copper Pipe, Add 173.67  
 For Polyvinyl Chloride (PVC) Pipe, Deduct -243.38  
 For Tamper Resistant Pendent Sprinkler Head, Add 27.05  
 For Tamper Resistant Sidewall Sprinkler Head, Add 29.30  
 For Up To 5, Add 628.62  
 For >5 To 10, Add 385.24  
 For >10 To 20, Add 245.81  
 For >20 To 40, Add 105.18  
 For >100 To 150, Deduct -139.42  
 For >150, Deduct -278.85  
 For Work In Restricted Working Space, Add 212.78

**21 13 13 00-0005 Ordinary Hazard, Complete Wet-Pipe Sprinkler System Assemblies** (21 13 13 00-0001)

21 13 13 00-0006 EA Exposed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly .....1,089.48  
 Note: Includes branch pipe and fittings, supports and sprinkler heads.

For Copper Pipe, Add 139.63  
 For Polyvinyl Chloride (PVC) Pipe, Deduct -194.10  
 For Tamper Resistant Pendent Sprinkler Head, Add 27.05  
 For Tamper Resistant Sidewall Sprinkler Head, Add 29.30  
 For Up To 5, Add 483.38  
 For >5 To 10, Add 289.28  
 For >10 To 20, Add 180.33  
 For >20 To 40, Add 78.27  
 For >100 To 150, Deduct -108.95  
 For >150, Deduct -217.90

21 13 13 00-0007 EA Concealed Piping, Ordinary Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly .....1,357.95  
 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.

For Copper Pipe, Add 168.70  
 For Polyvinyl Chloride (PVC) Pipe, Deduct -236.59  
 For Tamper Resistant Pendent Sprinkler Head, Add 27.05  
 For Tamper Resistant Sidewall Sprinkler Head, Add 29.30  
 For Up To 5, Add 613.17  
 For >5 To 10, Add 376.58  
 For >10 To 20, Add 240.78  
 For >20 To 40, Add 102.89  
 For >100 To 150, Deduct -135.80  
 For >150, Deduct -271.59  
 For Work In Restricted Working Space, Add 209.98

**21 13 13 00-0008 Extra Hazard, Complete Wet-Pipe Sprinkler System Assemblies** (21 13 13 00-0001)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0009 EA Exposed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly ..... 1,005.17 Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Copper Pipe, Add	128.62	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-178.87	
For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
For Up To 5, Add	446.39	
For >5 To 10, Add	267.51	
For >10 To 20, Add	167.00	
For >20 To 40, Add	72.42	
For >100 To 150, Deduct	-100.52	
For >150, Deduct	-201.03	
21 13 13 00-0010 EA Concealed Piping, Extra Hazard, Per Head, Complete Wet-Pipe Sprinkler System Assembly ..... 1,255.68 Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Copper Pipe, Add	155.75	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-218.53	
For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
For Up To 5, Add	567.48	
For >5 To 10, Add	348.94	
For >10 To 20, Add	223.37	
For >20 To 40, Add	95.39	
For >100 To 150, Deduct	-125.57	
For >150, Deduct	-251.14	
For Work In Restricted Working Space, Add	195.61	
<b>21 13 13 00-0011 Wet Pipe Sprinkler Components (21 13 13)</b>		
Note: Excludes hydraulic calculations.		
<b>21 13 13 00-0012 Wet Pipe Alarm Check Valves (21 13 13 00-0011)</b>		
Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013 EA 2-1/2" Wet Pipe Alarm Check Valve ..... 2,167.52	187.90	
21 13 13 00-0014 EA 3" Wet Pipe Alarm Check Valve ..... 2,222.20	215.23	
21 13 13 00-0015 EA 4" Wet Pipe Alarm Check Valve ..... 2,522.83	365.56	
21 13 13 00-0016 EA 6" Wet Pipe Alarm Check Valve ..... 2,467.05	461.22	
21 13 13 00-0017 EA 8" Wet Pipe Alarm Check Valve ..... 4,337.00	584.21	
<b>21 13 13 00-0018 Wet Pipe Valve Trim (21 13 13 00-0011)</b>		
Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019 EA 2-1/2" Wet Pipe Valve Trim ..... 1,951.83	397.67	
21 13 13 00-0020 EA 3" Wet Pipe Valve Trim ..... 2,057.10	397.67	
21 13 13 00-0021 EA 4" Wet Pipe Valve Trim ..... 2,493.22	545.26	
21 13 13 00-0022 EA 6" Wet Pipe Valve Trim ..... 2,953.81	758.46	
21 13 13 00-0023 EA 8" Wet Pipe Valve Trim ..... 3,254.46	938.84	
<b>21 13 13 00-0024 Wet Pipe Sprinkler Heads (21 13 13 00-0011)</b>		
<b>21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads (21 13 13 00-0024)</b>		
21 13 13 00-0026 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head ..... 101.97	16.90	
For >25 To 50, Deduct	-3.38	
For >50 To 100, Deduct	-8.48	
For >100 To 500, Deduct	-14.44	
For >500 To 1,000, Deduct	-29.85	
For >1,000, Deduct	-43.37	
21 13 13 00-0027 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head ..... 105.47	16.90	
For >25 To 50, Deduct	-3.38	
For >50 To 100, Deduct	-8.65	
For >100 To 500, Deduct	-14.87	
For >500 To 1,000, Deduct	-30.48	
For >1,000, Deduct	-44.00	
21 13 13 00-0028 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head ..... 107.70	16.90	
For >25 To 50, Deduct	-3.38	
For >50 To 100, Deduct	-8.77	
For >100 To 500, Deduct	-15.15	
For >500 To 1,000, Deduct	-30.88	
For >1,000, Deduct	-44.40	
21 13 13 00-0029 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head ..... 103.72	16.90	
For >25 To 50, Deduct	-3.38	
For >50 To 100, Deduct	-8.57	
For >100 To 500, Deduct	-14.66	
For >500 To 1,000, Deduct	-30.16	
For >1,000, Deduct	-43.69	
21 13 13 00-0030 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head ..... 107.36	16.90	
For >25 To 50, Deduct	-3.38	
For >50 To 100, Deduct	-8.75	
For >100 To 500, Deduct	-15.11	
For >500 To 1,000, Deduct	-30.82	
For >1,000, Deduct	-44.34	
21 13 13 00-0031 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head ..... 109.69	16.90	
For >25 To 50, Deduct	-3.38	
For >50 To 100, Deduct	-8.87	
For >100 To 500, Deduct	-15.40	
For >500 To 1,000, Deduct	-31.24	
For >1,000, Deduct	-44.76	



**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0032	EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head.....	126.64	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.71	
	<i>For &gt;100 To 500, Deduct</i>	-17.52	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.29	
	<i>For &gt;1,000, Deduct</i>	-47.81	
21 13 13 00-0033	EA 1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	136.02	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-10.18	
	<i>For &gt;100 To 500, Deduct</i>	-18.69	
	<i>For &gt;500 To 1,000, Deduct</i>	-35.98	
	<i>For &gt;1,000, Deduct</i>	-49.50	
21 13 13 00-0034	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	126.64	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.71	
	<i>For &gt;100 To 500, Deduct</i>	-17.52	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.29	
	<i>For &gt;1,000, Deduct</i>	-47.81	
21 13 13 00-0035	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	136.02	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-10.18	
	<i>For &gt;100 To 500, Deduct</i>	-18.69	
	<i>For &gt;500 To 1,000, Deduct</i>	-35.98	
	<i>For &gt;1,000, Deduct</i>	-49.50	
21 13 13 00-0036	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	114.50	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.11	
	<i>For &gt;100 To 500, Deduct</i>	-16.00	
	<i>For &gt;500 To 1,000, Deduct</i>	-32.10	
	<i>For &gt;1,000, Deduct</i>	-45.63	
21 13 13 00-0037	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	119.08	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.33	
	<i>For &gt;100 To 500, Deduct</i>	-16.58	
	<i>For &gt;500 To 1,000, Deduct</i>	-32.93	
	<i>For &gt;1,000, Deduct</i>	-46.45	
21 13 13 00-0038	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head .....	116.91	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.60	
	<i>For &gt;100 To 500, Deduct</i>	-16.49	
	<i>For &gt;500 To 1,000, Deduct</i>	-33.81	
	<i>For &gt;1,000, Deduct</i>	-48.84	
21 13 13 00-0039	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head.....	122.26	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.87	
	<i>For &gt;100 To 500, Deduct</i>	-17.16	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.78	
	<i>For &gt;1,000, Deduct</i>	-49.80	
21 13 13 00-0040	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	123.35	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.92	
	<i>For &gt;100 To 500, Deduct</i>	-17.30	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.97	
	<i>For &gt;1,000, Deduct</i>	-50.00	
21 13 13 00-0041	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head.....	116.91	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.60	
	<i>For &gt;100 To 500, Deduct</i>	-16.49	
	<i>For &gt;500 To 1,000, Deduct</i>	-33.81	
	<i>For &gt;1,000, Deduct</i>	-48.84	
21 13 13 00-0042	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head.....	122.26	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.87	
	<i>For &gt;100 To 500, Deduct</i>	-17.16	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.78	
	<i>For &gt;1,000, Deduct</i>	-49.80	
21 13 13 00-0043	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	123.35	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.92	
	<i>For &gt;100 To 500, Deduct</i>	-17.30	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.97	
	<i>For &gt;1,000, Deduct</i>	-50.00	
21 13 13 00-0044	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head .....	112.08	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-8.98	
	<i>For &gt;100 To 500, Deduct</i>	-15.70	
	<i>For &gt;500 To 1,000, Deduct</i>	-31.67	
	<i>For &gt;1,000, Deduct</i>	-45.19	
21 13 13 00-0045	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head.....	115.57	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.16	
	<i>For &gt;100 To 500, Deduct</i>	-16.14	
	<i>For &gt;500 To 1,000, Deduct</i>	-32.30	
	<i>For &gt;1,000, Deduct</i>	-45.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0046	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	116.25	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 500, Deduct</i>	-16.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.42	
			<i>For &gt;1,000, Deduct</i>	-45.94	
21 13 13 00-0047	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head .....	112.08	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.98	
			<i>For &gt;100 To 500, Deduct</i>	-15.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.67	
			<i>For &gt;1,000, Deduct</i>	-45.19	
21 13 13 00-0048	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head.....	115.57	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.16	
			<i>For &gt;100 To 500, Deduct</i>	-16.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.30	
			<i>For &gt;1,000, Deduct</i>	-45.82	
21 13 13 00-0049	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	116.25	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 500, Deduct</i>	-16.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.42	
			<i>For &gt;1,000, Deduct</i>	-45.94	
21 13 13 00-0050	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head .....	116.24	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 500, Deduct</i>	-16.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.42	
			<i>For &gt;1,000, Deduct</i>	-45.94	
21 13 13 00-0051	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head .....	154.44	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-11.48	
			<i>For &gt;100 To 500, Deduct</i>	-21.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-40.57	
			<i>For &gt;1,000, Deduct</i>	-55.59	
21 13 13 00-0052	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	158.47	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-11.68	
			<i>For &gt;100 To 500, Deduct</i>	-21.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-41.30	
			<i>For &gt;1,000, Deduct</i>	-56.32	
21 13 13 00-0053	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	158.47	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-11.68	
			<i>For &gt;100 To 500, Deduct</i>	-21.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-41.30	
			<i>For &gt;1,000, Deduct</i>	-56.32	
21 13 13 00-0054	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head .....	127.29	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.12	
			<i>For &gt;100 To 500, Deduct</i>	-17.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.68	
			<i>For &gt;1,000, Deduct</i>	-50.71	
21 13 13 00-0055	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head.....	130.05	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.26	
			<i>For &gt;100 To 500, Deduct</i>	-18.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.18	
			<i>For &gt;1,000, Deduct</i>	-51.20	
21 13 13 00-0056	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head.....	130.05	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.26	
			<i>For &gt;100 To 500, Deduct</i>	-18.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.18	
			<i>For &gt;1,000, Deduct</i>	-51.20	
21 13 13 00-0057	EA		1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	354.35	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-21.10	
			<i>For &gt;100 To 500, Deduct</i>	-45.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-75.28	
			<i>For &gt;1,000, Deduct</i>	-88.80	
21 13 13 00-0058	EA		3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head.....	390.28	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-23.27	
			<i>For &gt;100 To 500, Deduct</i>	-50.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-83.02	
			<i>For &gt;1,000, Deduct</i>	-98.04	
21 13 13 00-0059	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head.....	193.16	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-13.04	
			<i>For &gt;100 To 500, Deduct</i>	-25.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-46.26	
			<i>For &gt;1,000, Deduct</i>	-59.78	
21 13 13 00-0060	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	235.16	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-15.14	
			<i>For &gt;100 To 500, Deduct</i>	-31.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-53.82	
			<i>For &gt;1,000, Deduct</i>	-67.34	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head .....	410.76	16.90
		<i>For &gt;25 To 50, Deduct</i>	-3.38	
		<i>For &gt;50 To 100, Deduct</i>	-23.92	
		<i>For &gt;100 To 500, Deduct</i>	-53.04	
		<i>For &gt;500 To 1,000, Deduct</i>	-85.43	
		<i>For &gt;1,000, Deduct</i>	-98.95	
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	520.19	16.90
		<i>For &gt;25 To 50, Deduct</i>	-3.38	
		<i>For &gt;50 To 100, Deduct</i>	-29.39	
		<i>For &gt;100 To 500, Deduct</i>	-66.71	
		<i>For &gt;500 To 1,000, Deduct</i>	-105.13	
		<i>For &gt;1,000, Deduct</i>	-118.65	
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head .....	242.67	18.78
		<i>For &gt;25 To 50, Deduct</i>	-3.76	
		<i>For &gt;50 To 100, Deduct</i>	-15.89	
		<i>For &gt;100 To 500, Deduct</i>	-32.21	
		<i>For &gt;500 To 1,000, Deduct</i>	-56.45	
		<i>For &gt;1,000, Deduct</i>	-71.48	
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head .....	243.94	18.78
		<i>For &gt;25 To 50, Deduct</i>	-3.76	
		<i>For &gt;50 To 100, Deduct</i>	-15.95	
		<i>For &gt;100 To 500, Deduct</i>	-32.37	
		<i>For &gt;500 To 1,000, Deduct</i>	-56.68	
		<i>For &gt;1,000, Deduct</i>	-71.70	

**21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads** (21 13 13 00-0024)

21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head .....	101.97	16.90
		<i>For &gt;25 To 50, Deduct</i>	-3.38	
		<i>For &gt;50 To 100, Deduct</i>	-8.48	
		<i>For &gt;100 To 500, Deduct</i>	-14.44	
		<i>For &gt;500 To 1,000, Deduct</i>	-29.85	
		<i>For &gt;1,000, Deduct</i>	-43.37	
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head .....	105.47	16.90
		<i>For &gt;25 To 50, Deduct</i>	-3.38	
		<i>For &gt;50 To 100, Deduct</i>	-8.65	
		<i>For &gt;100 To 500, Deduct</i>	-14.87	
		<i>For &gt;500 To 1,000, Deduct</i>	-30.48	
		<i>For &gt;1,000, Deduct</i>	-44.00	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head .....	107.70	16.90
		<i>For &gt;25 To 50, Deduct</i>	-3.38	
		<i>For &gt;50 To 100, Deduct</i>	-8.77	
		<i>For &gt;100 To 500, Deduct</i>	-15.15	
		<i>For &gt;500 To 1,000, Deduct</i>	-30.88	
		<i>For &gt;1,000, Deduct</i>	-44.40	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head .....	118.16	18.78
		<i>For &gt;25 To 50, Deduct</i>	-3.76	
		<i>For &gt;50 To 100, Deduct</i>	-9.66	
		<i>For &gt;100 To 500, Deduct</i>	-16.65	
		<i>For &gt;500 To 1,000, Deduct</i>	-34.04	
		<i>For &gt;1,000, Deduct</i>	-49.06	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head .....	122.26	18.78
		<i>For &gt;25 To 50, Deduct</i>	-3.76	
		<i>For &gt;50 To 100, Deduct</i>	-9.87	
		<i>For &gt;100 To 500, Deduct</i>	-17.16	
		<i>For &gt;500 To 1,000, Deduct</i>	-34.78	
		<i>For &gt;1,000, Deduct</i>	-49.80	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head .....	122.90	18.78
		<i>For &gt;25 To 50, Deduct</i>	-3.76	
		<i>For &gt;50 To 100, Deduct</i>	-9.90	
		<i>For &gt;100 To 500, Deduct</i>	-17.24	
		<i>For &gt;500 To 1,000, Deduct</i>	-34.89	
		<i>For &gt;1,000, Deduct</i>	-49.92	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head .....	354.35	16.90
		<i>For &gt;25 To 50, Deduct</i>	-3.38	
		<i>For &gt;50 To 100, Deduct</i>	-21.10	
		<i>For &gt;100 To 500, Deduct</i>	-45.98	
		<i>For &gt;500 To 1,000, Deduct</i>	-75.28	
		<i>For &gt;1,000, Deduct</i>	-88.80	

**21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads** (21 13 13 00-0024)

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendant sprinkler head.

21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Brass Wet Pipe Sprinkler Head .....	101.97	16.90
		<i>For &gt;25 To 50, Deduct</i>	-3.38	
		<i>For &gt;50 To 100, Deduct</i>	-8.48	
		<i>For &gt;100 To 500, Deduct</i>	-14.44	
		<i>For &gt;500 To 1,000, Deduct</i>	-29.85	
		<i>For &gt;1,000, Deduct</i>	-43.37	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendant Chrome Wet Pipe Sprinkler Head .....	105.47	16.90
		<i>For &gt;25 To 50, Deduct</i>	-3.38	
		<i>For &gt;50 To 100, Deduct</i>	-8.65	
		<i>For &gt;100 To 500, Deduct</i>	-14.87	
		<i>For &gt;500 To 1,000, Deduct</i>	-30.48	
		<i>For &gt;1,000, Deduct</i>	-44.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0076	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	107.70	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.77	
			<i>For &gt;100 To 500, Deduct</i>	-15.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.88	
			<i>For &gt;1,000, Deduct</i>	-44.40	
21 13 13 00-0077	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	116.91	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-9.60	
			<i>For &gt;100 To 500, Deduct</i>	-16.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-33.81	
			<i>For &gt;1,000, Deduct</i>	-48.84	
21 13 13 00-0078	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head .....	122.26	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-9.87	
			<i>For &gt;100 To 500, Deduct</i>	-17.16	
			<i>For &gt;500 To 1,000, Deduct</i>	-34.78	
			<i>For &gt;1,000, Deduct</i>	-49.80	
21 13 13 00-0079	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	123.35	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-9.92	
			<i>For &gt;100 To 500, Deduct</i>	-17.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-34.97	
			<i>For &gt;1,000, Deduct</i>	-50.00	
21 13 13 00-0080	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head .....	112.08	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.98	
			<i>For &gt;100 To 500, Deduct</i>	-15.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.67	
			<i>For &gt;1,000, Deduct</i>	-45.19	
21 13 13 00-0081	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head .....	115.57	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.16	
			<i>For &gt;100 To 500, Deduct</i>	-16.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.30	
			<i>For &gt;1,000, Deduct</i>	-45.82	
21 13 13 00-0082	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	116.25	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 500, Deduct</i>	-16.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.42	
			<i>For &gt;1,000, Deduct</i>	-45.94	
21 13 13 00-0083	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head .....	112.08	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.98	
			<i>For &gt;100 To 500, Deduct</i>	-15.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.67	
			<i>For &gt;1,000, Deduct</i>	-45.19	
21 13 13 00-0084	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head .....	115.57	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.16	
			<i>For &gt;100 To 500, Deduct</i>	-16.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.30	
			<i>For &gt;1,000, Deduct</i>	-45.82	
21 13 13 00-0085	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head .....	116.25	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 500, Deduct</i>	-16.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.42	
			<i>For &gt;1,000, Deduct</i>	-45.94	
21 13 13 00-0086	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....	112.08	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.98	
			<i>For &gt;100 To 500, Deduct</i>	-15.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.67	
			<i>For &gt;1,000, Deduct</i>	-45.19	
21 13 13 00-0087	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead .....	115.57	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.16	
			<i>For &gt;100 To 500, Deduct</i>	-16.14	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.30	
			<i>For &gt;1,000, Deduct</i>	-45.82	
21 13 13 00-0088	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead .....	116.25	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 500, Deduct</i>	-16.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.42	
			<i>For &gt;1,000, Deduct</i>	-45.94	
21 13 13 00-0089	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....	101.97	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.48	
			<i>For &gt;100 To 500, Deduct</i>	-14.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-29.85	
			<i>For &gt;1,000, Deduct</i>	-43.37	
21 13 13 00-0090	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead .....	105.47	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.65	
			<i>For &gt;100 To 500, Deduct</i>	-14.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.48	
			<i>For &gt;1,000, Deduct</i>	-44.00	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0091	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead.....	107.70	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-8.77	
	<i>For &gt;100 To 500, Deduct</i>	-15.15	
	<i>For &gt;500 To 1,000, Deduct</i>	-30.88	
	<i>For &gt;1,000, Deduct</i>	-44.40	
21 13 13 00-0092	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head .....	103.73	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-8.57	
	<i>For &gt;100 To 500, Deduct</i>	-14.66	
	<i>For &gt;500 To 1,000, Deduct</i>	-30.17	
	<i>For &gt;1,000, Deduct</i>	-43.69	
21 13 13 00-0093	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	106.21	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-8.69	
	<i>For &gt;100 To 500, Deduct</i>	-14.97	
	<i>For &gt;500 To 1,000, Deduct</i>	-30.61	
	<i>For &gt;1,000, Deduct</i>	-44.13	
21 13 13 00-0094	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	108.47	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-8.80	
	<i>For &gt;100 To 500, Deduct</i>	-15.25	
	<i>For &gt;500 To 1,000, Deduct</i>	-31.02	
	<i>For &gt;1,000, Deduct</i>	-44.54	
21 13 13 00-0095	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head.....	120.22	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.77	
	<i>For &gt;100 To 500, Deduct</i>	-16.91	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.41	
	<i>For &gt;1,000, Deduct</i>	-49.43	
21 13 13 00-0096	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head.....	124.76	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.99	
	<i>For &gt;100 To 500, Deduct</i>	-17.47	
	<i>For &gt;500 To 1,000, Deduct</i>	-35.23	
	<i>For &gt;1,000, Deduct</i>	-50.25	
21 13 13 00-0097	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	124.76	18.78
	<i>For &gt;25 To 50, Deduct</i>	-3.76	
	<i>For &gt;50 To 100, Deduct</i>	-9.99	
	<i>For &gt;100 To 500, Deduct</i>	-17.47	
	<i>For &gt;500 To 1,000, Deduct</i>	-35.23	
	<i>For &gt;1,000, Deduct</i>	-50.25	
21 13 13 00-0098	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	114.50	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.11	
	<i>For &gt;100 To 500, Deduct</i>	-16.00	
	<i>For &gt;500 To 1,000, Deduct</i>	-32.10	
	<i>For &gt;1,000, Deduct</i>	-45.63	
21 13 13 00-0099	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	119.08	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.33	
	<i>For &gt;100 To 500, Deduct</i>	-16.58	
	<i>For &gt;500 To 1,000, Deduct</i>	-32.93	
	<i>For &gt;1,000, Deduct</i>	-46.45	
21 13 13 00-0100	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	125.94	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.68	
	<i>For &gt;100 To 500, Deduct</i>	-17.43	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.16	
	<i>For &gt;1,000, Deduct</i>	-47.68	
21 13 13 00-0101	EA 1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	133.45	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-10.05	
	<i>For &gt;100 To 500, Deduct</i>	-18.37	
	<i>For &gt;500 To 1,000, Deduct</i>	-35.51	
	<i>For &gt;1,000, Deduct</i>	-49.04	
21 13 13 00-0102	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head .....	125.94	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-9.68	
	<i>For &gt;100 To 500, Deduct</i>	-17.43	
	<i>For &gt;500 To 1,000, Deduct</i>	-34.16	
	<i>For &gt;1,000, Deduct</i>	-47.68	
21 13 13 00-0103	EA 1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head.....	133.45	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-10.05	
	<i>For &gt;100 To 500, Deduct</i>	-18.37	
	<i>For &gt;500 To 1,000, Deduct</i>	-35.51	
	<i>For &gt;1,000, Deduct</i>	-49.04	
21 13 13 00-0104	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	108.58	16.90
	<i>For &gt;25 To 50, Deduct</i>	-3.38	
	<i>For &gt;50 To 100, Deduct</i>	-8.81	
	<i>For &gt;100 To 500, Deduct</i>	-15.26	
	<i>For &gt;500 To 1,000, Deduct</i>	-31.04	
	<i>For &gt;1,000, Deduct</i>	-44.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0105	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	112.51 -3.38 -9.01 -15.75 -31.75 -45.27	16.90
21 13 13 00-0106	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendant White Polyester Coated Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	114.57 -3.38 -9.11 -16.01 -32.12 -45.64	16.90
21 13 13 00-0107	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	118.57 -3.76 -9.68 -16.70 -34.11 -49.14	18.78
21 13 13 00-0108	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	122.46 -3.76 -9.88 -17.19 -34.81 -49.84	18.78
21 13 13 00-0109	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendant White Polyester Coated Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	126.22 -3.76 -10.07 -17.66 -35.49 -50.51	18.78
21 13 13 00-0110	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	110.80 -3.38 -8.92 -15.54 -31.44 -44.96	16.90
21 13 13 00-0111	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	114.66 -3.38 -9.11 -16.02 -32.13 -45.65	16.90
21 13 13 00-0112	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendant White Polyester Coated Wet Pipe Sprinkler Head..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	116.76 -3.38 -9.22 -16.29 -32.51 -46.03	16.90
21 13 13 00-0113	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendant Brass Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	120.22 -3.76 -9.77 -16.91 -34.41 -49.43	18.78
21 13 13 00-0114	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendant Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	124.27 -3.76 -9.97 -17.41 -35.14 -50.16	18.78
21 13 13 00-0115	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendant White Polyester Coated Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	128.18 -3.76 -10.17 -17.90 -35.84 -50.87	18.78
21 13 13 00-0116	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendant Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	172.15 -3.38 -11.99 -23.21 -42.48 -56.00	16.90
21 13 13 00-0117	EA		1/2" NPT Thread, 1/2" Orifice, Decorative Pendant White Polyester Coated Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	172.15 -3.38 -11.99 -23.21 -42.48 -56.00	16.90



**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0118	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	131.32	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.32	
			<i>For &gt;100 To 500, Deduct</i>	-18.29	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.41	
			<i>For &gt;1,000, Deduct</i>	-51.43	
21 13 13 00-0119	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	134.29	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100 To 500, Deduct</i>	-18.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.94	
			<i>For &gt;1,000, Deduct</i>	-51.97	
21 13 13 00-0120	EA		3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	134.29	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100 To 500, Deduct</i>	-18.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.94	
			<i>For &gt;1,000, Deduct</i>	-51.97	
21 13 13 00-0121	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head.....	127.29	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.12	
			<i>For &gt;100 To 500, Deduct</i>	-17.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.68	
			<i>For &gt;1,000, Deduct</i>	-50.71	
21 13 13 00-0122	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head.....	130.05	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.26	
			<i>For &gt;100 To 500, Deduct</i>	-18.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.18	
			<i>For &gt;1,000, Deduct</i>	-51.20	
21 13 13 00-0123	EA		3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head.....	130.05	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.26	
			<i>For &gt;100 To 500, Deduct</i>	-18.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.18	
			<i>For &gt;1,000, Deduct</i>	-51.20	
21 13 13 00-0124	EA		1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head.....	354.35	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-21.10	
			<i>For &gt;100 To 500, Deduct</i>	-45.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-75.28	
			<i>For &gt;1,000, Deduct</i>	-88.80	
21 13 13 00-0125	EA		3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head.....	390.28	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-23.27	
			<i>For &gt;100 To 500, Deduct</i>	-50.66	
			<i>For &gt;500 To 1,000, Deduct</i>	-83.02	
			<i>For &gt;1,000, Deduct</i>	-98.04	
21 13 13 00-0126	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	193.16	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-13.04	
			<i>For &gt;100 To 500, Deduct</i>	-25.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-46.26	
			<i>For &gt;1,000, Deduct</i>	-59.78	
21 13 13 00-0127	EA		1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	235.16	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-15.14	
			<i>For &gt;100 To 500, Deduct</i>	-31.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-53.82	
			<i>For &gt;1,000, Deduct</i>	-67.34	
21 13 13 00-0128	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	410.76	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-23.92	
			<i>For &gt;100 To 500, Deduct</i>	-53.04	
			<i>For &gt;500 To 1,000, Deduct</i>	-85.43	
			<i>For &gt;1,000, Deduct</i>	-98.95	
21 13 13 00-0129	EA		1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	520.19	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-29.39	
			<i>For &gt;100 To 500, Deduct</i>	-66.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-105.13	
			<i>For &gt;1,000, Deduct</i>	-118.65	
21 13 13 00-0130	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head.....	242.67	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-15.89	
			<i>For &gt;100 To 500, Deduct</i>	-32.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-56.45	
			<i>For &gt;1,000, Deduct</i>	-71.48	
21 13 13 00-0131	EA		3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head.....	243.94	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-15.95	
			<i>For &gt;100 To 500, Deduct</i>	-32.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-56.68	
			<i>For &gt;1,000, Deduct</i>	-71.70	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads (21 13 13 00-0024)

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0134	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	107.20	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.74	
			<i>For &gt;100 To 500, Deduct</i>	-15.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.79	
			<i>For &gt;1,000, Deduct</i>	-44.31	
21 13 13 00-0135	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	110.01	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.88	
			<i>For &gt;100 To 500, Deduct</i>	-15.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.30	
			<i>For &gt;1,000, Deduct</i>	-44.82	
21 13 13 00-0136	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head .....	114.44	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.10	
			<i>For &gt;100 To 500, Deduct</i>	-16.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.09	
			<i>For &gt;1,000, Deduct</i>	-45.61	
21 13 13 00-0137	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	108.79	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.82	
			<i>For &gt;100 To 500, Deduct</i>	-15.29	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.08	
			<i>For &gt;1,000, Deduct</i>	-44.60	
21 13 13 00-0138	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	111.64	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.96	
			<i>For &gt;100 To 500, Deduct</i>	-15.65	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.59	
			<i>For &gt;1,000, Deduct</i>	-45.11	
21 13 13 00-0139	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head .....	116.16	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.19	
			<i>For &gt;100 To 500, Deduct</i>	-16.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.40	
			<i>For &gt;1,000, Deduct</i>	-45.92	
21 13 13 00-0140	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	119.08	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.33	
			<i>For &gt;100 To 500, Deduct</i>	-16.58	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.93	
			<i>For &gt;1,000, Deduct</i>	-46.45	
21 13 13 00-0141	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	123.64	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.56	
			<i>For &gt;100 To 500, Deduct</i>	-17.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-33.75	
			<i>For &gt;1,000, Deduct</i>	-47.27	
21 13 13 00-0142	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	128.90	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.20	
			<i>For &gt;100 To 500, Deduct</i>	-17.99	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.97	
			<i>For &gt;1,000, Deduct</i>	-51.00	
21 13 13 00-0143	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	135.74	18.78
			<i>For &gt;25 To 50, Deduct</i>	-3.76	
			<i>For &gt;50 To 100, Deduct</i>	-10.54	
			<i>For &gt;100 To 500, Deduct</i>	-18.85	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.20	
			<i>For &gt;1,000, Deduct</i>	-52.23	
21 13 13 00-0144	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	128.92	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.83	
			<i>For &gt;100 To 500, Deduct</i>	-17.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-34.70	
			<i>For &gt;1,000, Deduct</i>	-48.22	
21 13 13 00-0145	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	133.45	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-10.05	
			<i>For &gt;100 To 500, Deduct</i>	-18.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.51	
			<i>For &gt;1,000, Deduct</i>	-49.04	
21 13 13 00-0146	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	128.92	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.83	
			<i>For &gt;100 To 500, Deduct</i>	-17.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-34.70	
			<i>For &gt;1,000, Deduct</i>	-48.22	
21 13 13 00-0147	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head .....	133.45	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-10.05	
			<i>For &gt;100 To 500, Deduct</i>	-18.37	
			<i>For &gt;500 To 1,000, Deduct</i>	-35.51	
			<i>For &gt;1,000, Deduct</i>	-49.04	
21 13 13 00-0148	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head .....	104.82	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.62	
			<i>For &gt;100 To 500, Deduct</i>	-14.79	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.36	
			<i>For &gt;1,000, Deduct</i>	-43.88	

**21 Fire Suppression**

**21 10 Water-Based Fire-Suppression Systems**

**21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0149	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	107.13 -3.38 -8.74 -15.08 -30.78 -44.30	16.90
21 13 13 00-0150	EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	110.02 -3.38 -8.88 -15.44 -31.30 -44.82	16.90
21 13 13 00-0151	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	115.04 -3.76 -9.51 -16.26 -33.48 -48.50	18.78
21 13 13 00-0152	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	117.53 -3.76 -9.63 -16.57 -33.93 -48.95	18.78
21 13 13 00-0153	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	120.21 -3.76 -9.77 -16.90 -34.41 -49.43	18.78
21 13 13 00-0154	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	117.01 -3.76 -9.61 -16.50 -33.83 -48.86	18.78
21 13 13 00-0155	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	119.59 -3.76 -9.74 -16.83 -34.30 -49.32	18.78
21 13 13 00-0156	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	122.38 -3.76 -9.88 -17.18 -34.80 -49.82	18.78
21 13 13 00-0157	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	122.42 -3.76 -9.88 -17.18 -34.81 -49.83	18.78
21 13 13 00-0158	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	126.23 -3.76 -10.07 -17.66 -35.49 -50.52	18.78
21 13 13 00-0159	EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	126.23 -3.76 -10.07 -17.66 -35.49 -50.52	18.78
21 13 13 00-0160	EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	197.40 -3.38 -13.25 -26.37 -47.03 -60.55	16.90
21 13 13 00-0161	EA 1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	197.40 -3.38 -13.25 -26.37 -47.03 -60.55	16.90
21 13 13 00-0162	EA 1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head ..... <i>For &gt;25 To 50, Deduct</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 500, Deduct</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	105.78 -3.38 -8.67 -14.91 -30.53 -44.06	16.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0163	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	105.78	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.67	
			<i>For &gt;100 To 500, Deduct</i>	-14.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.53	
			<i>For &gt;1,000, Deduct</i>	-44.06	
21 13 13 00-0164	EA		1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head .....	105.78	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.67	
			<i>For &gt;100 To 500, Deduct</i>	-14.91	
			<i>For &gt;500 To 1,000, Deduct</i>	-30.53	
			<i>For &gt;1,000, Deduct</i>	-44.06	
<b>21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads (21 13 13 00-0132)</b>					
21 13 13 00-0166	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head.....	110.84	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-8.92	
			<i>For &gt;100 To 500, Deduct</i>	-15.55	
			<i>For &gt;500 To 1,000, Deduct</i>	-31.44	
			<i>For &gt;1,000, Deduct</i>	-44.97	
21 13 13 00-0167	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head.....	114.34	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.10	
			<i>For &gt;100 To 500, Deduct</i>	-15.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.07	
			<i>For &gt;1,000, Deduct</i>	-45.60	
21 13 13 00-0168	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head.....	115.84	16.90
			<i>For &gt;25 To 50, Deduct</i>	-3.38	
			<i>For &gt;50 To 100, Deduct</i>	-9.17	
			<i>For &gt;100 To 500, Deduct</i>	-16.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-32.34	
			<i>For &gt;1,000, Deduct</i>	-45.87	
<b>21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads (21 13 13 00-0024)</b>					
<b>21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads (21 13 13 00-0169)</b>					
21 13 13 00-0171	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead .....	158.89	22.54
			Note: Excludes coverplate		
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-12.45	
			<i>For &gt;100 To 500, Deduct</i>	-22.11	
			<i>For &gt;500 To 1,000, Deduct</i>	-43.92	
			<i>For &gt;1,000, Deduct</i>	-61.95	
21 13 13 00-0172	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	117.85	22.54
			Note: Excludes coverplate		
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-10.40	
			<i>For &gt;100 To 500, Deduct</i>	-16.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.54	
			<i>For &gt;1,000, Deduct</i>	-54.56	
21 13 13 00-0173	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	119.35	22.54
			Note: Excludes coverplate		
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-10.47	
			<i>For &gt;100 To 500, Deduct</i>	-17.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-36.81	
			<i>For &gt;1,000, Deduct</i>	-54.83	
21 13 13 00-0174	EA		1/2" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	147.22	24.41
			Note: Excludes coverplate		
			<i>For &gt;25 To 50, Deduct</i>	-4.88	
			<i>For &gt;50 To 100, Deduct</i>	-12.24	
			<i>For &gt;100 To 500, Deduct</i>	-20.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-43.10	
			<i>For &gt;1,000, Deduct</i>	-62.63	
21 13 13 00-0175	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	139.70	22.54
			Note: Excludes coverplate		
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-11.49	
			<i>For &gt;100 To 500, Deduct</i>	-19.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-40.47	
			<i>For &gt;1,000, Deduct</i>	-58.50	
21 13 13 00-0176	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	139.70	22.54
			Note: Excludes coverplate		
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-11.49	
			<i>For &gt;100 To 500, Deduct</i>	-19.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-40.47	
			<i>For &gt;1,000, Deduct</i>	-58.50	
21 13 13 00-0177	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head .....	147.22	24.41
			Note: Excludes coverplate		
			<i>For &gt;25 To 50, Deduct</i>	-4.88	
			<i>For &gt;50 To 100, Deduct</i>	-12.24	
			<i>For &gt;100 To 500, Deduct</i>	-20.84	
			<i>For &gt;500 To 1,000, Deduct</i>	-43.10	
			<i>For &gt;1,000, Deduct</i>	-62.63	

**21 Fire Suppression**

**21 10 Water-Based Fire-Suppression Systems**

**21 13 Fire-Suppression Sprinkler Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0178	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 130.10	130.10	22.54
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.51	
			For >50 To 100, Deduct	-11.01	
			For >100 To 500, Deduct	-18.52	
			For >500 To 1,000, Deduct	-38.74	
			For >1,000, Deduct	-56.77	
21 13 13 00-0179	EA		1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 139.70	139.70	22.54
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.51	
			For >50 To 100, Deduct	-11.49	
			For >100 To 500, Deduct	-19.72	
			For >500 To 1,000, Deduct	-40.47	
			For >1,000, Deduct	-58.50	
21 13 13 00-0180	EA		1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 139.70	139.70	22.54
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.51	
			For >50 To 100, Deduct	-11.49	
			For >100 To 500, Deduct	-19.72	
			For >500 To 1,000, Deduct	-40.47	
			For >1,000, Deduct	-58.50	
21 13 13 00-0181	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 132.37	132.37	22.54
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.51	
			For >50 To 100, Deduct	-11.13	
			For >100 To 500, Deduct	-18.80	
			For >500 To 1,000, Deduct	-39.15	
			For >1,000, Deduct	-57.18	
21 13 13 00-0182	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 211.95	211.95	26.29
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-5.26	
			For >50 To 100, Deduct	-15.86	
			For >100 To 500, Deduct	-29.12	
			For >500 To 1,000, Deduct	-56.03	
			For >1,000, Deduct	-77.06	
21 13 13 00-0183	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 125.31	125.31	22.54
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.51	
			For >50 To 100, Deduct	-10.77	
			For >100 To 500, Deduct	-17.92	
			For >500 To 1,000, Deduct	-37.88	
			For >1,000, Deduct	-55.91	
21 13 13 00-0184	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 132.21	132.21	24.41
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.88	
			For >50 To 100, Deduct	-11.49	
			For >100 To 500, Deduct	-18.97	
			For >500 To 1,000, Deduct	-40.40	
			For >1,000, Deduct	-59.93	
21 13 13 00-0185	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 126.66	126.66	22.54
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.51	
			For >50 To 100, Deduct	-10.84	
			For >100 To 500, Deduct	-18.09	
			For >500 To 1,000, Deduct	-38.12	
			For >1,000, Deduct	-56.15	
21 13 13 00-0186	EA		3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 134.18	134.18	24.41
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.88	
			For >50 To 100, Deduct	-11.59	
			For >100 To 500, Deduct	-19.21	
			For >500 To 1,000, Deduct	-40.75	
			For >1,000, Deduct	-60.29	
21 13 13 00-0187	EA		3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head ..... 147.85	147.85	24.41
			Note: Excludes coverplate		
			For >25 To 50, Deduct	-4.88	
			For >50 To 100, Deduct	-12.28	
			For >100 To 500, Deduct	-20.92	
			For >500 To 1,000, Deduct	-43.22	
			For >1,000, Deduct	-62.75	
21 13 13 00-0188	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate ..... 243.08	243.08	26.29
			For >25 To 50, Deduct	-5.26	
			For >50 To 100, Deduct	-17.41	
			For >100 To 500, Deduct	-33.01	
			For >500 To 1,000, Deduct	-61.63	
			For >1,000, Deduct	-82.67	
21 13 13 00-0189	EA		1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate ..... 243.08	243.08	26.29
			For >25 To 50, Deduct	-5.26	
			For >50 To 100, Deduct	-17.41	
			For >100 To 500, Deduct	-33.01	
			For >500 To 1,000, Deduct	-61.63	
			For >1,000, Deduct	-82.67	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads (21 13 13 00-0169)

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0191 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	170.31	22.54
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.51	
For >50 To 100, Deduct	-13.02	
For >100 To 500, Deduct	-23.54	
For >500 To 1,000, Deduct	-45.98	
For >1,000, Deduct	-64.01	
21 13 13 00-0192 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	191.19	24.41
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.88	
For >50 To 100, Deduct	-14.44	
For >100 To 500, Deduct	-26.34	
For >500 To 1,000, Deduct	-51.02	
For >1,000, Deduct	-70.55	
21 13 13 00-0193 EA 1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	136.93	22.54
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.51	
For >50 To 100, Deduct	-11.35	
For >100 To 500, Deduct	-19.37	
For >500 To 1,000, Deduct	-39.97	
For >1,000, Deduct	-58.00	
21 13 13 00-0194 EA 3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head.....	139.37	24.41
Note: Excludes coverplate		
For >25 To 50, Deduct	-4.88	
For >50 To 100, Deduct	-11.65	
For >100 To 500, Deduct	-19.86	
For >500 To 1,000, Deduct	-41.69	
For >1,000, Deduct	-61.22	
<b>21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads</b> <small>(21 13 13 00-0024)</small>		
21 13 13 00-0196 EA 1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	385.61	18.78
Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
For >25 To 50, Deduct	-3.76	
For >50 To 100, Deduct	-23.04	
For >100 To 500, Deduct	-50.08	
For >500 To 1,000, Deduct	-82.18	
For >1,000, Deduct	-97.20	
21 13 13 00-0197 EA 1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	376.64	18.78
Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
For >25 To 50, Deduct	-3.76	
For >50 To 100, Deduct	-22.59	
For >100 To 500, Deduct	-48.96	
For >500 To 1,000, Deduct	-80.57	
For >1,000, Deduct	-95.59	
21 13 13 00-0198 EA 1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head.....	170.06	18.78
For >25 To 50, Deduct	-3.76	
For >50 To 100, Deduct	-12.26	
For >100 To 500, Deduct	-23.14	
For >500 To 1,000, Deduct	-43.38	
For >1,000, Deduct	-58.41	
21 13 13 00-0199 EA 1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head.....	188.67	18.78
For >25 To 50, Deduct	-3.76	
For >50 To 100, Deduct	-13.19	
For >100 To 500, Deduct	-25.46	
For >500 To 1,000, Deduct	-46.73	
For >1,000, Deduct	-61.76	
<b>21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories</b> <small>(21 13 13 00-0011)</small>		
<b>21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0202 EA 1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150).....	67.25	18.86
For >25 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-4.93	
For >100 To 500, Deduct	-9.19	
For >500 To 1,000, Deduct	-17.45	
For >1,000, Deduct	-23.73	
21 13 13 00-0203 EA 1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150).....	67.25	18.86
For >25 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-4.93	
For >100 To 500, Deduct	-9.19	
For >500 To 1,000, Deduct	-17.45	
For >1,000, Deduct	-23.73	
21 13 13 00-0204 EA 1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150).....	67.99	18.86
For >25 To 50, Deduct	-1.57	
For >50 To 100, Deduct	-4.97	
For >100 To 500, Deduct	-9.28	
For >500 To 1,000, Deduct	-17.58	
For >1,000, Deduct	-23.87	



**21 Fire Suppression**

**21 10 Water-Based Fire-Suppression Systems**

**21 13 Fire-Suppression Sprinkler Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0205	EA		1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150).....	60.45	18.86
			<i>For &gt;25 To 50, Deduct</i>	-1.57	
			<i>For &gt;50 To 100, Deduct</i>	-4.59	
			<i>For &gt;100 To 500, Deduct</i>	-8.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.22	
			<i>For &gt;1,000, Deduct</i>	-22.51	
21 13 13 00-0206	EA		1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150).....	60.45	18.86
			<i>For &gt;25 To 50, Deduct</i>	-1.57	
			<i>For &gt;50 To 100, Deduct</i>	-4.59	
			<i>For &gt;100 To 500, Deduct</i>	-8.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.22	
			<i>For &gt;1,000, Deduct</i>	-22.51	
21 13 13 00-0207	EA		1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150).....	60.45	18.86
			<i>For &gt;25 To 50, Deduct</i>	-1.57	
			<i>For &gt;50 To 100, Deduct</i>	-4.59	
			<i>For &gt;100 To 500, Deduct</i>	-8.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.22	
			<i>For &gt;1,000, Deduct</i>	-22.51	
21 13 13 00-0208	EA		1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175).....	67.41	20.50
			<i>For &gt;25 To 50, Deduct</i>	-1.71	
			<i>For &gt;50 To 100, Deduct</i>	-5.08	
			<i>For &gt;100 To 500, Deduct</i>	-9.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.94	
			<i>For &gt;1,000, Deduct</i>	-24.78	
<b>21 13 13 00-0209 Sprinkler Head Escutcheon (21 13 13 00-0200)</b>					
21 13 13 00-0210	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	25.94	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.86	
			<i>For &gt;100 To 500, Deduct</i>	-3.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.58	
			<i>For &gt;1,000, Deduct</i>	-8.84	
21 13 13 00-0211	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	18.53	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100 To 500, Deduct</i>	-2.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.25	
			<i>For &gt;1,000, Deduct</i>	-7.50	
21 13 13 00-0212	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	18.53	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100 To 500, Deduct</i>	-2.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.25	
			<i>For &gt;1,000, Deduct</i>	-7.50	
21 13 13 00-0213	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	25.94	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.86	
			<i>For &gt;100 To 500, Deduct</i>	-3.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.58	
			<i>For &gt;1,000, Deduct</i>	-8.84	
21 13 13 00-0214	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	18.53	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100 To 500, Deduct</i>	-2.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.25	
			<i>For &gt;1,000, Deduct</i>	-7.50	
21 13 13 00-0215	EA		2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon.....	18.53	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100 To 500, Deduct</i>	-2.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.25	
			<i>For &gt;1,000, Deduct</i>	-7.50	
21 13 13 00-0216	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon.....	24.60	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.79	
			<i>For &gt;100 To 500, Deduct</i>	-3.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.34	
			<i>For &gt;1,000, Deduct</i>	-8.59	
21 13 13 00-0217	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon.....	18.53	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100 To 500, Deduct</i>	-2.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.25	
			<i>For &gt;1,000, Deduct</i>	-7.50	
21 13 13 00-0218	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon.....	18.53	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.49	
			<i>For &gt;100 To 500, Deduct</i>	-2.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.25	
			<i>For &gt;1,000, Deduct</i>	-7.50	
21 13 13 00-0219	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon.....	24.60	6.76
			<i>For &gt;25 To 50, Deduct</i>	-0.56	
			<i>For &gt;50 To 100, Deduct</i>	-1.79	
			<i>For &gt;100 To 500, Deduct</i>	-3.36	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.34	
			<i>For &gt;1,000, Deduct</i>	-8.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0220	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon .....	18.53	6.76
			For >25 To 50, Deduct	-0.56	
			For >50 To 100, Deduct	-1.49	
			For >100 To 500, Deduct	-2.60	
			For >500 To 1,000, Deduct	-5.25	
			For >1,000, Deduct	-7.50	
21 13 13 00-0221	EA		2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon .....	18.53	6.76
			For >25 To 50, Deduct	-0.56	
			For >50 To 100, Deduct	-1.49	
			For >100 To 500, Deduct	-2.60	
			For >500 To 1,000, Deduct	-5.25	
			For >1,000, Deduct	-7.50	
21 13 13 00-0222	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon .....	25.27	6.76
			For >25 To 50, Deduct	-0.56	
			For >50 To 100, Deduct	-1.83	
			For >100 To 500, Deduct	-3.44	
			For >500 To 1,000, Deduct	-6.46	
			For >1,000, Deduct	-8.71	
21 13 13 00-0223	EA		3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon .....	25.27	6.76
			For >25 To 50, Deduct	-0.56	
			For >50 To 100, Deduct	-1.83	
			For >100 To 500, Deduct	-3.44	
			For >500 To 1,000, Deduct	-6.46	
			For >1,000, Deduct	-8.71	
21 13 13 00-0224	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon .....	10.48	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.90	
			For >100 To 500, Deduct	-1.50	
			For >500 To 1,000, Deduct	-3.16	
			For >1,000, Deduct	-4.67	
21 13 13 00-0225	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon .....	9.55	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.85	
			For >100 To 500, Deduct	-1.38	
			For >500 To 1,000, Deduct	-3.00	
			For >1,000, Deduct	-4.50	
21 13 13 00-0226	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon .....	9.80	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.87	
			For >100 To 500, Deduct	-1.41	
			For >500 To 1,000, Deduct	-3.04	
			For >1,000, Deduct	-4.54	
21 13 13 00-0227	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon .....	10.65	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.91	
			For >100 To 500, Deduct	-1.52	
			For >500 To 1,000, Deduct	-3.19	
			For >1,000, Deduct	-4.70	
21 13 13 00-0228	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon .....	9.72	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.86	
			For >100 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-3.03	
			For >1,000, Deduct	-4.53	
21 13 13 00-0229	EA		2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon .....	9.72	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.86	
			For >100 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-3.03	
			For >1,000, Deduct	-4.53	
21 13 13 00-0230	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon .....	11.62	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.96	
			For >100 To 500, Deduct	-1.64	
			For >500 To 1,000, Deduct	-3.37	
			For >1,000, Deduct	-4.87	
21 13 13 00-0231	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon .....	9.69	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.86	
			For >100 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-3.02	
			For >1,000, Deduct	-4.52	
21 13 13 00-0232	EA		2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon .....	9.69	4.96
			For >25 To 50, Deduct	-0.38	
			For >50 To 100, Deduct	-0.86	
			For >100 To 500, Deduct	-1.40	
			For >500 To 1,000, Deduct	-3.02	
			For >1,000, Deduct	-4.52	
21 13 13 00-0233	EA		3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon .....	15.69	6.94
			For >25 To 50, Deduct	-0.53	
			For >50 To 100, Deduct	-1.31	
			For >100 To 500, Deduct	-2.22	
			For >500 To 1,000, Deduct	-4.61	
			For >1,000, Deduct	-6.72	

**21 Fire Suppression**  
**21 10 Water-Based Fire-Suppression Systems**  
**21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0234	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	15.19	6.94
	For >25 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.29	
	For >100 To 500, Deduct	-2.16	
	For >500 To 1,000, Deduct	-4.52	
	For >1,000, Deduct	-6.63	
21 13 13 00-0235	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon.....	15.36	6.94
	For >25 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.29	
	For >100 To 500, Deduct	-2.18	
	For >500 To 1,000, Deduct	-4.55	
	For >1,000, Deduct	-6.66	
21 13 13 00-0236	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon.....	15.86	6.94
	For >25 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.32	
	For >100 To 500, Deduct	-2.25	
	For >500 To 1,000, Deduct	-4.64	
	For >1,000, Deduct	-6.75	
21 13 13 00-0237	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon.....	15.36	6.94
	For >25 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.29	
	For >100 To 500, Deduct	-2.18	
	For >500 To 1,000, Deduct	-4.55	
	For >1,000, Deduct	-6.66	
21 13 13 00-0238	EA 3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon.....	15.69	6.94
	For >25 To 50, Deduct	-0.53	
	For >50 To 100, Deduct	-1.31	
	For >100 To 500, Deduct	-2.22	
	For >500 To 1,000, Deduct	-4.61	
	For >1,000, Deduct	-6.72	
21 13 13 00-0239	EA Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	31.38	6.76
	For >25 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-2.13	
	For >100 To 500, Deduct	-4.20	
	For >500 To 1,000, Deduct	-7.56	
	For >1,000, Deduct	-9.81	
21 13 13 00-0240	EA Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	31.38	6.76
	For >25 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-2.13	
	For >100 To 500, Deduct	-4.20	
	For >500 To 1,000, Deduct	-7.56	
	For >1,000, Deduct	-9.81	
21 13 13 00-0241	EA Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	31.38	6.76
	For >25 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-2.13	
	For >100 To 500, Deduct	-4.20	
	For >500 To 1,000, Deduct	-7.56	
	For >1,000, Deduct	-9.81	
21 13 13 00-0242	EA Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	31.38	6.76
	For >25 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-2.13	
	For >100 To 500, Deduct	-4.20	
	For >500 To 1,000, Deduct	-7.56	
	For >1,000, Deduct	-9.81	
21 13 13 00-0243	EA Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	31.38	6.76
	For >25 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-2.13	
	For >100 To 500, Deduct	-4.20	
	For >500 To 1,000, Deduct	-7.56	
	For >1,000, Deduct	-9.81	
21 13 13 00-0244	EA White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head.....	31.38	6.76
	For >25 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-2.13	
	For >100 To 500, Deduct	-4.20	
	For >500 To 1,000, Deduct	-7.56	
	For >1,000, Deduct	-9.81	
21 13 13 00-0245	EA 2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	35.98	6.76
	For >25 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-2.36	
	For >100 To 500, Deduct	-4.78	
	For >500 To 1,000, Deduct	-8.39	
	For >1,000, Deduct	-10.64	
21 13 13 00-0246	EA 2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head.....	37.05	6.76
	For >25 To 50, Deduct	-0.56	
	For >50 To 100, Deduct	-2.42	
	For >100 To 500, Deduct	-4.91	
	For >500 To 1,000, Deduct	-8.58	
	For >1,000, Deduct	-10.84	

21 13 13 00-0247 Coverplate For Sprinkler Heads (21 13 13 00-0200)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0248	EA		Chrome Coverplate For Concealed Pendent Sprinkler Head .....	72.59	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-4.27	
			<i>For &gt;100 To 500, Deduct</i>	-9.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.24	
			<i>For &gt;1,000, Deduct</i>	-17.79	
21 13 13 00-0249	EA		White Coverplate For Concealed Pendent Sprinkler Head.....	36.08	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-2.44	
			<i>For &gt;100 To 500, Deduct</i>	-4.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.67	
			<i>For &gt;1,000, Deduct</i>	-11.22	
21 13 13 00-0250	EA		Specialty Coverplate For Concealed Pendent Sprinkler Head .....	51.91	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.23	
			<i>For &gt;100 To 500, Deduct</i>	-6.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.51	
			<i>For &gt;1,000, Deduct</i>	-14.07	
21 13 13 00-0251	EA		Brass Coverplate For Concealed Sidewall Sprinkler Head.....	47.81	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.03	
			<i>For &gt;100 To 500, Deduct</i>	-6.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.78	
			<i>For &gt;1,000, Deduct</i>	-13.33	
21 13 13 00-0252	EA		Chrome Coverplate For Concealed Sidewall Sprinkler Head .....	38.49	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100 To 500, Deduct</i>	-5.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.10	
			<i>For &gt;1,000, Deduct</i>	-11.65	
21 13 13 00-0253	EA		White Coverplate For Concealed Sidewall Sprinkler Head.....	38.49	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-2.56	
			<i>For &gt;100 To 500, Deduct</i>	-5.13	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.10	
			<i>For &gt;1,000, Deduct</i>	-11.65	
21 13 13 00-0254	EA		Off-White Coverplate For Concealed Sidewall Sprinkler Head.....	47.81	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.03	
			<i>For &gt;100 To 500, Deduct</i>	-6.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.78	
			<i>For &gt;1,000, Deduct</i>	-13.33	
21 13 13 00-0255	EA		Black Painted Coverplate For Concealed Sidewall Sprinkler Head.....	47.81	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.03	
			<i>For &gt;100 To 500, Deduct</i>	-6.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.78	
			<i>For &gt;1,000, Deduct</i>	-13.33	
21 13 13 00-0256	EA		Black Plated Coverplate For Concealed Sidewall Sprinkler Head .....	55.19	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.40	
			<i>For &gt;100 To 500, Deduct</i>	-7.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.11	
			<i>For &gt;1,000, Deduct</i>	-14.66	
21 13 13 00-0257	EA		Bright Brass Coverplate For Concealed Sidewall Sprinkler Head.....	55.19	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.40	
			<i>For &gt;100 To 500, Deduct</i>	-7.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.11	
			<i>For &gt;1,000, Deduct</i>	-14.66	
21 13 13 00-0258	EA		Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head.....	55.19	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.40	
			<i>For &gt;100 To 500, Deduct</i>	-7.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.11	
			<i>For &gt;1,000, Deduct</i>	-14.66	
21 13 13 00-0259	EA		Specialty Coverplate For Concealed Sidewall Sprinkler Head .....	47.85	7.66
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-3.03	
			<i>For &gt;100 To 500, Deduct</i>	-6.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.78	
			<i>For &gt;1,000, Deduct</i>	-13.34	
21 13 13 00-0260	EA		White Coverplate For Quick Release Concealed Sidewall Sprinkler Head.....	80.83	9.02
			<i>For &gt;25 To 50, Deduct</i>	-0.75	
			<i>For &gt;50 To 100, Deduct</i>	-4.79	
			<i>For &gt;100 To 500, Deduct</i>	-10.48	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.10	
			<i>For &gt;1,000, Deduct</i>	-20.11	
21 13 13 00-0261	EA		Chrome Cover Plate For Concealed Pendent Sprinkler Head (Tyco RFI).....	33.55	7.51
<b>21 13 13 00-0262</b>			<b>Sprinkler Escutcheon Extension Tube</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0263	EA		2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube .....	19.08	4.51
			Note: For use with 2 piece escutcheons		
			<i>For &gt;25 To 50, Deduct</i>	-0.38	
			<i>For &gt;50 To 100, Deduct</i>	-1.33	
			<i>For &gt;100 To 500, Deduct</i>	-2.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.71	
			<i>For &gt;1,000, Deduct</i>	-6.21	

**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 13 00-0264	EA 2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	24.60	4.73
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.39	
	For >50 To 100, Deduct	-1.62	
	For >100 To 500, Deduct	-3.27	
	For >500 To 1,000, Deduct	-5.77	
	For >1,000, Deduct	-7.35	
21 13 13 00-0265	EA 2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	30.75	4.96
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.41	
	For >50 To 100, Deduct	-1.95	
	For >100 To 500, Deduct	-4.05	
	For >500 To 1,000, Deduct	-6.94	
	For >1,000, Deduct	-8.59	
21 13 13 00-0266	EA 2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube.....	36.28	5.18
	Note: For use with 2 piece escutcheons		
	For >25 To 50, Deduct	-0.43	
	For >50 To 100, Deduct	-2.25	
	For >100 To 500, Deduct	-4.75	
	For >500 To 1,000, Deduct	-8.00	
	For >1,000, Deduct	-9.73	
<b>21 13 13 00-0267</b>	<b>Sprinkler Head Guards</b> <small>(21 13 13 00-0200)</small>		
21 13 13 00-0268	EA Universal Sprinkler Head Guard, C-1 .....	29.90	13.52
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.62	
	For >100 To 500, Deduct	-4.30	
	For >500 To 1,000, Deduct	-9.21	
	For >1,000, Deduct	-13.72	
21 13 13 00-0269	EA Dry Pendent Sprinkler Head Guard, C-2.....	32.75	13.52
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.76	
	For >100 To 500, Deduct	-4.66	
	For >500 To 1,000, Deduct	-9.73	
	For >1,000, Deduct	-14.23	
21 13 13 00-0270	EA Upright Sprinkler Head Guard With Water Shield, C-3 .....	37.61	13.52
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-3.01	
	For >100 To 500, Deduct	-5.26	
	For >500 To 1,000, Deduct	-10.60	
	For >1,000, Deduct	-15.11	
21 13 13 00-0271	EA Pendent Sprinkler Head Guard With Water Shield, C-5.....	43.61	13.52
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-3.31	
	For >100 To 500, Deduct	-6.01	
	For >500 To 1,000, Deduct	-11.68	
	For >1,000, Deduct	-16.19	
21 13 13 00-0272	EA Universal Sprinkler Head Guard, D-1 .....	32.64	13.52
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.76	
	For >100 To 500, Deduct	-4.64	
	For >500 To 1,000, Deduct	-9.71	
	For >1,000, Deduct	-14.22	
21 13 13 00-0273	EA Upright Sprinkler Head Guard With Water Shield, D-3 .....	34.49	13.52
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-2.85	
	For >100 To 500, Deduct	-4.87	
	For >500 To 1,000, Deduct	-10.04	
	For >1,000, Deduct	-14.55	
21 13 13 00-0274	EA Pendent Sprinkler Head Guard With Large Water Shield, D-4 .....	48.24	13.52
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-3.54	
	For >100 To 500, Deduct	-6.59	
	For >500 To 1,000, Deduct	-12.52	
	For >1,000, Deduct	-17.02	
21 13 13 00-0275	EA Pendent Sprinkler Head Guard With Small Water Shield, D-5.....	45.49	13.52
	For >25 To 50, Deduct	-1.13	
	For >50 To 100, Deduct	-3.40	
	For >100 To 500, Deduct	-6.25	
	For >500 To 1,000, Deduct	-12.02	
	For >1,000, Deduct	-16.53	
<b>21 13 13 00-0276</b>	<b>Flexible Sprinkler Piping</b> <small>(21 13 13 00-0011)</small>		
	Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.		
21 13 13 00-0277	EA 2' Long, 3/4" Stainless Steel Flexible Sprinkler Piping.....	89.41	23.29
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-2.35	
	For >50 To 100, Deduct	-6.82	
	For >100 To 500, Deduct	-12.35	
	For >500 To 1,000, Deduct	-24.08	
	For >1,000, Deduct	-33.47	
21 13 13 00-0278	EA 3' Long, 3/4" Stainless Steel Flexible Sprinkler Piping.....	98.35	24.04
	Note: Includes ceiling mounting bracket.		
	For >25 To 50, Deduct	-2.47	
	For >50 To 100, Deduct	-7.39	
	For >100 To 500, Deduct	-13.53	
	For >500 To 1,000, Deduct	-26.10	
	For >1,000, Deduct	-35.99	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0279 EA 4' Long, 3/4" Stainless Steel Flexible Sprinkler Piping.....	107.54	25.54
Note: Includes ceiling mounting bracket.		
For >25 To 50, Deduct	-2.61	
For >50 To 100, Deduct	-7.99	
For >100 To 500, Deduct	-14.75	
For >500 To 1,000, Deduct	-28.23	
For >1,000, Deduct	-38.66	
21 13 13 00-0280 EA 5' Long, 3/4" Stainless Steel Flexible Sprinkler Piping.....	117.07	27.05
Note: Includes ceiling mounting bracket.		
For >25 To 50, Deduct	-2.76	
For >50 To 100, Deduct	-8.62	
For >100 To 500, Deduct	-16.01	
For >500 To 1,000, Deduct	-30.46	
For >1,000, Deduct	-41.51	
21 13 13 00-0281 EA 6' Long, 3/4" Stainless Steel Flexible Sprinkler Piping.....	126.98	30.05
Note: Includes ceiling mounting bracket.		
For >25 To 50, Deduct	-2.93	
For >50 To 100, Deduct	-9.28	
For >100 To 500, Deduct	-17.34	
For >500 To 1,000, Deduct	-32.83	
For >1,000, Deduct	-44.57	
<b>21 13 13 00-0282 Sprinkler Emergency Cabinets</b> (21 13 13 00-0011)		
21 13 13 00-0283 EA 3 Capacity Emergency Sprinkler Cabinet, A4.....	140.56	
21 13 13 00-0284 EA 6 Capacity Emergency Sprinkler Cabinet, A4.....	148.07	
21 13 13 00-0285 EA 12 Capacity Emergency Sprinkler Cabinet, A4.....	154.95	
21 13 13 00-0286 EA 12 Capacity Emergency Sprinkler Cabinet, A3.....	466.63	
21 13 13 00-0287 EA Sprinkler Wrench, RC1.....	216.44	
21 13 13 00-0288 EA Sprinkler Wrench, FC.....	215.59	
21 13 13 00-0289 EA Sprinkler Wrench, W2.....	71.58	
<b>21 13 16 Dry-Pipe Sprinkler Systems</b> (21 13)		
<b>21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems Assembly</b> (21 13 16)		
Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1395 for individual grooved pipe, 23 21 13 23-1468 for individual grooved pipe fittings.		
<b>21 13 16 00-0002 Light Hazard, Dry-Pipe Sprinkler System Assemblies</b> (21 13 16 00-0001)		
21 13 16 00-0003 EA Exposed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,249.04	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	552.35	
For >5 To 10, Add	256.74	
For >10 To 20, Add	204.01	
For >20 To 40, Add	88.82	
For >100 To 150, Deduct	-124.90	
For >150, Deduct	-249.81	
For Copper Pipe, Add	160.99	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-223.44	
For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
For Galvanized Pipe, Add	72.17	
21 13 16 00-0004 EA Concealed Piping, Light Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,491.06	
Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
For Up To 5, Add	667.96	
For >5 To 10, Add	327.94	
For >10 To 20, Add	256.40	
For >20 To 40, Add	110.32	
For >100 To 150, Deduct	-149.11	
For >150, Deduct	-298.21	
For Copper Pipe, Add	187.89	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-262.45	
For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
For Galvanized Pipe, Add	77.57	
For Work In Restricted Working Space, Add	214.60	
<b>21 13 16 00-0005 Ordinary Hazard, Dry-Pipe Sprinkler System Assemblies</b> (21 13 16 00-0001)		
21 13 16 00-0006 EA Exposed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,208.11	
Note: Includes branch pipe and fittings, supports and sprinkler heads.		
For Up To 5, Add	535.32	
For >5 To 10, Add	251.00	
For >10 To 20, Add	198.93	
For >20 To 40, Add	86.44	
For >100 To 150, Deduct	-120.81	
For >150, Deduct	-241.62	
For Copper Pipe, Add	155.18	
For Polyvinyl Chloride (PVC) Pipe, Deduct	-215.58	
For Tamper Resistant Pendent Sprinkler Head, Add	27.05	
For Tamper Resistant Sidewall Sprinkler Head, Add	29.30	
For Galvanized Pipe, Add	68.74	



**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Per Head, Dry-Pipe Sprinkler System Assembly .....	1,445.55	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		<i>For Up To 5, Add</i>	648.89	
		<i>For &gt;5 To 10, Add</i>	321.23	
		<i>For &gt;10 To 20, Add</i>	250.56	
		<i>For &gt;20 To 40, Add</i>	107.61	
		<i>For &gt;100 To 150, Deduct</i>	-144.56	
		<i>For &gt;150, Deduct</i>	-289.11	
		<i>For Copper Pipe, Add</i>	181.50	
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-253.78	
		<i>For Tamper Resistant Pendent Sprinkler Head, Add</i>	27.05	
		<i>For Tamper Resistant Sidewall Sprinkler Head, Add</i>	29.30	
		<i>For Galvanized Pipe, Add</i>	73.89	
		<i>For Work In Restricted Working Space, Add</i>	212.00	
21 13 16 00-0008		<b>Extra Hazard, Dry-Pipe Sprinkler System Assemblies</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly.....	1,136.54	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		<i>For Up To 5, Add</i>	503.14	
		<i>For &gt;5 To 10, Add</i>	234.97	
		<i>For &gt;10 To 20, Add</i>	186.44	
		<i>For &gt;20 To 40, Add</i>	81.09	
		<i>For &gt;100 To 150, Deduct</i>	-113.65	
		<i>For &gt;150, Deduct</i>	-227.31	
		<i>For Copper Pipe, Add</i>	146.22	
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-203.05	
		<i>For Tamper Resistant Pendent Sprinkler Head, Add</i>	27.05	
		<i>For Tamper Resistant Sidewall Sprinkler Head, Add</i>	29.30	
		<i>For Galvanized Pipe, Add</i>	65.13	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Per Head, Dry-Pipe Sprinkler System Assembly .....	1,345.34	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		<i>For Up To 5, Add</i>	603.96	
		<i>For &gt;5 To 10, Add</i>	299.09	
		<i>For &gt;10 To 20, Add</i>	233.27	
		<i>For &gt;20 To 40, Add</i>	100.18	
		<i>For &gt;100 To 150, Deduct</i>	-134.53	
		<i>For &gt;150, Deduct</i>	-269.07	
		<i>For Copper Pipe, Add</i>	168.89	
		<i>For Polyvinyl Chloride (PVC) Pipe, Deduct</i>	-236.16	
		<i>For Tamper Resistant Pendent Sprinkler Head, Add</i>	27.05	
		<i>For Tamper Resistant Sidewall Sprinkler Head, Add</i>	29.30	
		<i>For Galvanized Pipe, Add</i>	68.71	
		<i>For Work In Restricted Working Space, Add</i>	197.47	
21 13 16 00-0011		<b>Dry-Pipe Sprinkler System Compressors</b> <small>(21 13 16 00-0001)</small>		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge .....	2,803.10	425.71
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge .....	2,919.62	425.71
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge .....	3,017.94	425.71
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge .....	3,400.27	425.71
21 13 16 00-0016		<b>Dry Pipe Sprinkler System Components</b> <small>(21 13 16)</small>		
21 13 16 00-0017		<b>Dry Pipe Valves</b> <small>(21 13 16 00-0016)</small>		
		Note: Excludes trim package See CSI section 21 13 16 00-0023 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve.....	4,497.82	281.85
21 13 16 00-0019	EA	3" Dry Pipe Valve.....	5,008.96	322.85
21 13 16 00-0020	EA	4" Dry Pipe Valve.....	5,611.41	548.34
21 13 16 00-0021	EA	6" Dry Pipe Valve.....	7,115.61	691.83
21 13 16 00-0022	EA	8" Dry Pipe Valve.....	10,873.44	696.96
21 13 16 00-0023		<b>Dry Pipe Valve Trim</b> <small>(21 13 16 00-0016)</small>		
		Note: Includes gauges, pressure switch, air supply and drain lines.		
21 13 16 00-0024	EA	2-1/2" Dry Pipe Valve Trim.....	2,251.53	397.67
		<i>For Accelerator and Trim, Add</i>	1,336.06	
		<i>For Priming Chamber, Add</i>	215.10	
21 13 16 00-0025	EA	3" Dry Pipe Valve Trim.....	2,313.03	437.30
		<i>For Accelerator and Trim, Add</i>	1,336.06	
		<i>For Priming Chamber, Add</i>	215.10	
21 13 16 00-0026	EA	4" Dry Pipe Valve Trim.....	2,613.54	545.26
		<i>For Accelerator and Trim, Add</i>	1,336.06	
		<i>For Priming Chamber, Add</i>	215.10	
21 13 16 00-0027	EA	6" Dry Pipe Valve Trim.....	2,791.19	655.96
		<i>For Accelerator and Trim, Add</i>	1,336.06	
		<i>For Priming Chamber, Add</i>	215.10	
21 13 16 00-0028	EA	8" Dry Pipe Valve Trim.....	3,147.77	737.95
		<i>For Accelerator and Trim, Add</i>	1,336.06	
		<i>For Priming Chamber, Add</i>	215.10	
21 13 16 00-0029		<b>Dry Pipe Fire Protection Air Compressors</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0030	EA	1.46 CFM, 1/6 HP, 125 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors .....	1,420.56	207.59
21 13 16 00-0031	EA	3.03 CFM, 1/3 HP, 250 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors .....	1,711.71	220.99
21 13 16 00-0032	EA	4.85 CFM, 1/2 HP, 400 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors .....	2,172.10	235.72
21 13 16 00-0033	EA	6.06 CFM, 3/4 HP, 500 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors .....	2,372.35	271.89
21 13 16 00-0034	EA	7.28 CFM, 1 HP, 600 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors .....	2,930.41	321.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0035	EA		11.1 CFM, 1-1/2 HP, 915 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	3,675.99	340.19
21 13 16 00-0036	EA		14.85 CFM, 2 HP, 1225 Gallon Capacity, Oil-Less, Riser Mount, Fire Protection Air Compressors.....	4,430.68	353.58
<b>21 13 16 00-0037</b>			<b>Dry Pipe Fire Protection Nitrogen Generator</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0038	EA		675 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator .....	9,833.22	321.44
21 13 16 00-0039	EA		950 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator .....	10,904.17	340.19
21 13 16 00-0040	EA		2,000 Gallon Total System Capacity, Wall Mount, Fire Protection Nitrogen Generator .....	15,473.61	441.98
<b>21 13 16 00-0041</b>			<b>Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0042	EA		3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	285.00	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-18.76	
			<i>For &gt;100 To 500, Deduct</i>	-37.88	
			<i>For &gt;500 To 1,000, Deduct</i>	-66.62	
			<i>For &gt;1,000, Deduct</i>	-84.65	
21 13 16 00-0043	EA		6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	296.22	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-19.32	
			<i>For &gt;100 To 500, Deduct</i>	-39.28	
			<i>For &gt;500 To 1,000, Deduct</i>	-68.64	
			<i>For &gt;1,000, Deduct</i>	-86.67	
21 13 16 00-0044	EA		9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head .....	307.46	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-19.88	
			<i>For &gt;100 To 500, Deduct</i>	-40.69	
			<i>For &gt;500 To 1,000, Deduct</i>	-70.67	
			<i>For &gt;1,000, Deduct</i>	-88.69	
21 13 16 00-0045	EA		12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	318.71	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-20.44	
			<i>For &gt;100 To 500, Deduct</i>	-42.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-72.69	
			<i>For &gt;1,000, Deduct</i>	-90.72	
21 13 16 00-0046	EA		15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	329.95	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-21.00	
			<i>For &gt;100 To 500, Deduct</i>	-43.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-74.71	
			<i>For &gt;1,000, Deduct</i>	-92.74	
21 13 16 00-0047	EA		18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	341.18	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-21.57	
			<i>For &gt;100 To 500, Deduct</i>	-44.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-76.74	
			<i>For &gt;1,000, Deduct</i>	-94.76	
21 13 16 00-0048	EA		21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	352.40	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-22.13	
			<i>For &gt;100 To 500, Deduct</i>	-46.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-78.76	
			<i>For &gt;1,000, Deduct</i>	-96.78	
21 13 16 00-0049	EA		24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	363.66	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-22.69	
			<i>For &gt;100 To 500, Deduct</i>	-47.71	
			<i>For &gt;500 To 1,000, Deduct</i>	-80.78	
			<i>For &gt;1,000, Deduct</i>	-98.81	
21 13 16 00-0050	EA		27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	374.87	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-23.25	
			<i>For &gt;100 To 500, Deduct</i>	-49.11	
			<i>For &gt;500 To 1,000, Deduct</i>	-82.80	
			<i>For &gt;1,000, Deduct</i>	-100.83	
21 13 16 00-0051	EA		30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	386.11	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-23.81	
			<i>For &gt;100 To 500, Deduct</i>	-50.52	
			<i>For &gt;500 To 1,000, Deduct</i>	-84.82	
			<i>For &gt;1,000, Deduct</i>	-102.85	
21 13 16 00-0052	EA		33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	397.36	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-24.38	
			<i>For &gt;100 To 500, Deduct</i>	-51.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-86.85	
			<i>For &gt;1,000, Deduct</i>	-104.88	
21 13 16 00-0053	EA		36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	408.60	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-24.94	
			<i>For &gt;100 To 500, Deduct</i>	-53.33	
			<i>For &gt;500 To 1,000, Deduct</i>	-88.87	
			<i>For &gt;1,000, Deduct</i>	-106.90	
21 13 16 00-0054	EA		39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	419.85	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-25.50	
			<i>For &gt;100 To 500, Deduct</i>	-54.73	
			<i>For &gt;500 To 1,000, Deduct</i>	-90.90	
			<i>For &gt;1,000, Deduct</i>	-108.92	

**21 Fire Suppression**

**21 10 Water-Based Fire-Suppression Systems**

**21 13 Fire-Suppression Sprinkler Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
21 13 16 00-0055	EA 42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	431.06	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-26.06	
	<i>For &gt;100 To 500, Deduct</i>	-56.14	
	<i>For &gt;500 To 1,000, Deduct</i>	-92.91	
	<i>For &gt;1,000, Deduct</i>	-110.94	
21 13 16 00-0056	EA 45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head.....	442.31	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-26.62	
	<i>For &gt;100 To 500, Deduct</i>	-57.54	
	<i>For &gt;500 To 1,000, Deduct</i>	-94.94	
	<i>For &gt;1,000, Deduct</i>	-112.97	
21 13 16 00-0057	<b>Sidewall Dry Pipe Sprinkler Heads, Quick Response</b> <small>(21 13 16 00-0016)</small>		
21 13 16 00-0058	EA 3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	282.30	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-18.62	
	<i>For &gt;100 To 500, Deduct</i>	-37.54	
	<i>For &gt;500 To 1,000, Deduct</i>	-66.14	
	<i>For &gt;1,000, Deduct</i>	-84.17	
21 13 16 00-0059	EA 6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	293.54	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-19.18	
	<i>For &gt;100 To 500, Deduct</i>	-38.95	
	<i>For &gt;500 To 1,000, Deduct</i>	-68.16	
	<i>For &gt;1,000, Deduct</i>	-86.19	
21 13 16 00-0060	EA 9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	304.80	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-19.75	
	<i>For &gt;100 To 500, Deduct</i>	-40.35	
	<i>For &gt;500 To 1,000, Deduct</i>	-70.19	
	<i>For &gt;1,000, Deduct</i>	-88.22	
21 13 16 00-0061	EA 12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	316.00	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-20.31	
	<i>For &gt;100 To 500, Deduct</i>	-41.75	
	<i>For &gt;500 To 1,000, Deduct</i>	-72.20	
	<i>For &gt;1,000, Deduct</i>	-90.23	
21 13 16 00-0062	EA 15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	327.25	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-20.87	
	<i>For &gt;100 To 500, Deduct</i>	-43.16	
	<i>For &gt;500 To 1,000, Deduct</i>	-74.23	
	<i>For &gt;1,000, Deduct</i>	-92.26	
21 13 16 00-0063	EA 18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	338.46	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-21.43	
	<i>For &gt;100 To 500, Deduct</i>	-44.56	
	<i>For &gt;500 To 1,000, Deduct</i>	-76.25	
	<i>For &gt;1,000, Deduct</i>	-94.27	
21 13 16 00-0064	EA 21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	349.74	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-21.99	
	<i>For &gt;100 To 500, Deduct</i>	-45.97	
	<i>For &gt;500 To 1,000, Deduct</i>	-78.28	
	<i>For &gt;1,000, Deduct</i>	-96.31	
21 13 16 00-0065	EA 24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	360.97	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-22.56	
	<i>For &gt;100 To 500, Deduct</i>	-47.37	
	<i>For &gt;500 To 1,000, Deduct</i>	-80.30	
	<i>For &gt;1,000, Deduct</i>	-98.33	
21 13 16 00-0066	EA 27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	372.18	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-23.12	
	<i>For &gt;100 To 500, Deduct</i>	-48.78	
	<i>For &gt;500 To 1,000, Deduct</i>	-82.32	
	<i>For &gt;1,000, Deduct</i>	-100.34	
21 13 16 00-0067	EA 30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	383.41	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-23.68	
	<i>For &gt;100 To 500, Deduct</i>	-50.18	
	<i>For &gt;500 To 1,000, Deduct</i>	-84.34	
	<i>For &gt;1,000, Deduct</i>	-102.37	
21 13 16 00-0068	EA 33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	394.66	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-24.24	
	<i>For &gt;100 To 500, Deduct</i>	-51.59	
	<i>For &gt;500 To 1,000, Deduct</i>	-86.36	
	<i>For &gt;1,000, Deduct</i>	-104.39	
21 13 16 00-0069	EA 36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head.....	405.89	29.75
	<i>For &gt;25 To 50, Deduct</i>	-4.51	
	<i>For &gt;50 To 100, Deduct</i>	-24.80	
	<i>For &gt;100 To 500, Deduct</i>	-52.99	
	<i>For &gt;500 To 1,000, Deduct</i>	-88.38	
	<i>For &gt;1,000, Deduct</i>	-106.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 16 00-0070	EA	39"	To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	439.61	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-26.49	
			<i>For &gt;100 To 500, Deduct</i>	-57.20	
			<i>For &gt;500 To 1,000, Deduct</i>	-94.45	
			<i>For &gt;1,000, Deduct</i>	-112.48	
21 13 16 00-0071	EA	42"	To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	450.85	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-27.05	
			<i>For &gt;100 To 500, Deduct</i>	-58.61	
			<i>For &gt;500 To 1,000, Deduct</i>	-96.48	
			<i>For &gt;1,000, Deduct</i>	-114.50	
21 13 16 00-0072	EA	45"	To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head .....	455.33	29.75
			<i>For &gt;25 To 50, Deduct</i>	-4.51	
			<i>For &gt;50 To 100, Deduct</i>	-27.27	
			<i>For &gt;100 To 500, Deduct</i>	-59.17	
			<i>For &gt;500 To 1,000, Deduct</i>	-97.28	
			<i>For &gt;1,000, Deduct</i>	-115.31	

**21 13 19 Preaction Sprinkler Systems (21 13)**

**21 13 19 00-0001 Complete Preaction Sprinkler Systems Assemblies (21 13 19)**  
 Note: Includes all branch line piping (standard weight threaded black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. Not for use where detail is available. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1395 for individual grooved pipe, 23 21 13 23-1468 for individual grooved pipe fittings.

**21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)**

21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Per Head, Preaction Sprinkler System Assembly .....		1,112.27	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	496.98	
			<i>For &gt;5 To 10, Add</i>	300.57	
			<i>For &gt;10 To 20, Add</i>	189.34	
			<i>For &gt;20 To 40, Add</i>	81.65	
			<i>For &gt;100 To 150, Deduct</i>	-111.23	
			<i>For &gt;150, Deduct</i>	-222.45	

**21 13 19 00-0004 Extra Hazard, Preaction Sprinkler System Assemblies (21 13 19 00-0001)**

21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Per Head, Preaction Sprinkler System Assembly .....		1,035.21	
			Note: Includes branch pipe and fittings, supports and sprinkler heads.		
			<i>For Up To 5, Add</i>	462.61	
			<i>For &gt;5 To 10, Add</i>	279.83	
			<i>For &gt;10 To 20, Add</i>	176.31	
			<i>For &gt;20 To 40, Add</i>	76.02	
			<i>For &gt;100 To 150, Deduct</i>	-103.52	
			<i>For &gt;150, Deduct</i>	-207.04	

**21 13 26 Deluge Fire-Suppression Sprinkler Systems (21 13)**

**21 13 26 00-0001 Deluge Fire-Suppression Sprinkler Systems Equipment (21 13 26)**

**21 13 26 00-0002 Deluge Valves, Wet-Pilot Activation With Required Trim And Release Equipment (21 13 26 00-0001)**

21 13 26 00-0003	EA	3"	Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment .....	8,888.87	834.72
			<i>For Accelerator and Trim, Add</i>	1,336.06	
			<i>For Priming Chamber, Add</i>	215.10	
			<i>For Dry-Pilot Activation, Add</i>	721.96	
21 13 26 00-0004	EA	4"	Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment .....	10,951.13	938.98
			<i>For Accelerator and Trim, Add</i>	1,336.06	
			<i>For Priming Chamber, Add</i>	215.10	
			<i>For Dry-Pilot Activation, Add</i>	907.32	
21 13 26 00-0005	EA	6"	Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment .....	13,109.35	1,365.81
			<i>For Accelerator and Trim, Add</i>	1,336.06	
			<i>For Priming Chamber, Add</i>	215.10	
			<i>For Dry-Pilot Activation, Add</i>	1,037.78	
21 13 26 00-0006	EA	8"	Deluge Valve, Wet-Pilot Activation With Trim And Release Equipment .....	21,913.06	1,641.34
			<i>For Accelerator and Trim, Add</i>	1,336.06	
			<i>For Priming Chamber, Add</i>	215.10	
			<i>For Dry-Pilot Activation, Add</i>	1,863.04	

**21 13 39 Foam-Water Systems (21 13)**

**21 13 39 00-0001 Foam Control Valves And Monitors (21 13 39)**

**21 13 39 00-0002 Control Valves (21 13 39 00-0001)**

21 13 39 00-0003	EA	3"	Foam Control Valve .....	4,889.34	834.72
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**21 13 39 00-0004 Supply Valves (21 13 39 00-0001)**

21 13 39 00-0005	EA	2-1/2"	Foam Supply Valve .....	4,382.45	938.98
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**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

21 13 39 00-0006	Proportioners <small>(21 13 39 00-0001)</small>		
21 13 39 00-0007	EA 8" Foam Proportioner.....	3,532.23	1,365.81
21 13 39 00-0008	Monitors <small>(21 13 39 00-0001)</small>		
21 13 39 00-0009	EA Oscillating Foam Monitor .....	5,171.52	187.79
<b>21 13 41</b>	<b>Fire-Suppression Sprinkler Piping <small>(21 13)</small></b>		
	See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0797 for flanged black steel pipe fittings, 23 21 13 23-1395 for grooved pipe, 23 21 13 23-1468 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001	Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41)</small>		
	Note: SDR 13.5		
21 13 41 00-0002	Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe <small>(21 13 41 00-0001)</small>		
21 13 41 00-0003	LF 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	7.47	2.40
	<i>For Work In Restricted Working Space, Add</i>	1.80	
21 13 41 00-0004	LF 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	8.70	2.55
	<i>For Work In Restricted Working Space, Add</i>	1.94	
21 13 41 00-0005	LF 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	10.58	2.85
	<i>For Work In Restricted Working Space, Add</i>	2.12	
21 13 41 00-0006	LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	12.70	3.16
	<i>For Work In Restricted Working Space, Add</i>	2.35	
21 13 41 00-0007	LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	15.86	3.46
	<i>For Work In Restricted Working Space, Add</i>	2.61	
21 13 41 00-0008	LF 2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	21.05	3.90
	<i>For Work In Restricted Working Space, Add</i>	2.97	
21 13 41 00-0009	LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe .....	28.69	4.66
	<i>For Work In Restricted Working Space, Add</i>	3.52	
21 13 41 00-0010	Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0011	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	37.96	14.42
	<i>For Work In Restricted Working Space, Add</i>	10.82	
21 13 41 00-0012	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	49.35	18.03
	<i>For Work In Restricted Working Space, Add</i>	13.57	
21 13 41 00-0013	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	61.71	22.54
	<i>For Work In Restricted Working Space, Add</i>	16.95	
21 13 41 00-0014	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	69.89	24.94
	<i>For Work In Restricted Working Space, Add</i>	18.75	
21 13 41 00-0015	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	78.92	27.94
	<i>For Work In Restricted Working Space, Add</i>	20.91	
21 13 41 00-0016	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	97.02	31.70
	<i>For Work In Restricted Working Space, Add</i>	23.80	
21 13 41 00-0017	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping .....	117.82	37.55
	<i>For Work In Restricted Working Space, Add</i>	28.12	
21 13 41 00-0018	Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0019	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	38.63	14.42
	<i>For Work In Restricted Working Space, Add</i>	10.82	
21 13 41 00-0020	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	48.28	18.03
	<i>For Work In Restricted Working Space, Add</i>	13.57	
21 13 41 00-0021	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	60.90	22.54
	<i>For Work In Restricted Working Space, Add</i>	16.95	
21 13 41 00-0022	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	68.60	24.94
	<i>For Work In Restricted Working Space, Add</i>	18.75	
21 13 41 00-0023	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	77.30	27.94
	<i>For Work In Restricted Working Space, Add</i>	20.91	
21 13 41 00-0024	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	92.95	31.70
	<i>For Work In Restricted Working Space, Add</i>	23.80	
21 13 41 00-0025	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping .....	113.34	37.55
	<i>For Work In Restricted Working Space, Add</i>	28.12	
21 13 41 00-0026	Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping <small>(21 13 41 00-0001)</small>		
21 13 41 00-0027	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	56.65	21.63
	<i>For Work In Restricted Working Space, Add</i>	16.22	
21 13 41 00-0028	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	72.99	27.20
	<i>For Work In Restricted Working Space, Add</i>	20.37	
21 13 41 00-0029	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	92.38	33.95
	<i>For Work In Restricted Working Space, Add</i>	25.42	
21 13 41 00-0030	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	105.00	37.55
	<i>For Work In Restricted Working Space, Add</i>	28.12	
21 13 41 00-0031	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	121.26	41.77
	<i>For Work In Restricted Working Space, Add</i>	31.37	
21 13 41 00-0032	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	146.11	47.63
	<i>For Work In Restricted Working Space, Add</i>	35.70	
21 13 41 00-0033	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping .....	172.62	56.19
	<i>For Work In Restricted Working Space, Add</i>	42.19	



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 13 41 00-0034	Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping <i>(21 13 41 00-0001)</i>		
21 13 41 00-0035	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	67.58 18.98	25.39
21 13 41 00-0036	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	86.96 23.71	31.70
21 13 41 00-0037	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	97.06 26.23	35.00
21 13 41 00-0038	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	112.99 29.30	39.06
21 13 41 00-0039	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	132.11 33.31	44.47
21 13 41 00-0040	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	155.65 39.39	52.43
21 13 41 00-0041	Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping <i>(21 13 41 00-0001)</i>		
21 13 41 00-0042	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	76.18 21.63	28.84
21 13 41 00-0043	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	95.53 27.14	36.20
21 13 41 00-0044	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	120.03 33.89	45.22
21 13 41 00-0045	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	134.62 37.50	50.03
21 13 41 00-0046	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	155.28 41.83	55.74
21 13 41 00-0047	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	193.22 47.60	63.40
21 13 41 00-0048	Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping <i>(21 13 41 00-0001)</i>		
21 13 41 00-0049	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	25.86 7.21	9.61
21 13 41 00-0050	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	34.67 9.69	12.92
21 13 41 00-0051	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	45.82 12.71	16.97
21 13 41 00-0052	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	51.81 14.06	18.78
21 13 41 00-0053	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	58.98 15.68	20.88
21 13 41 00-0054	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	69.75 17.85	23.74
21 13 41 00-0055	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	83.68 21.09	28.10
21 13 41 00-0056	Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping <i>(21 13 41 00-0001)</i>		
21 13 41 00-0057	EA 3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	13.11 3.61	4.81
21 13 41 00-0058	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	20.94 5.81	7.82
21 13 41 00-0059	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	23.70 6.36	8.41
21 13 41 00-0060	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	26.90 7.03	9.32
21 13 41 00-0061	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	31.36 7.84	10.52
21 13 41 00-0062	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	37.28 8.93	11.87
21 13 41 00-0063	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	47.36 10.55	14.12
21 13 41 00-0064	Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping <i>(21 13 41 00-0001)</i>		
21 13 41 00-0065	EA 1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	37.03 10.68	14.27
21 13 41 00-0066	EA 1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	48.88 13.97	18.63
21 13 41 00-0067	EA 1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	54.04 15.46	20.58
21 13 41 00-0068	EA 2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	61.21 17.26	22.98
21 13 41 00-0069	EA 2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	71.80 19.65	26.14
21 13 41 00-0070	EA 3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping <i>For Work In Restricted Working Space, Add</i>	86.87 23.21	30.95
21 13 41 00-0071	Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread <i>(21 13 41 00-0001)</i>		



**21 Fire Suppression****21 10 Water-Based Fire-Suppression Systems****21 13 Fire-Suppression Sprinkler Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping .....	31.18		10.52
		<i>For Work In Restricted Working Space, Add</i>	7.93		
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping .....	40.63		14.27
		<i>For Work In Restricted Working Space, Add</i>	10.68		
<b>21 13 41 00-0074</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)</b>			
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	31.18		10.52
		<i>For Work In Restricted Working Space, Add</i>	7.93		
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	40.63		14.27
		<i>For Work In Restricted Working Space, Add</i>	10.68		
<b>21 13 41 00-0077</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)</b>			
21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	36.86		12.92
		<i>For Work In Restricted Working Space, Add</i>	9.74		
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	46.89		16.23
		<i>For Work In Restricted Working Space, Add</i>	12.21		
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	48.24		16.23
		<i>For Work In Restricted Working Space, Add</i>	12.21		
<b>21 13 41 00-0081</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping (21 13 41 00-0001)</b>			
21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	60.78		21.63
		<i>For Work In Restricted Working Space, Add</i>	16.22		
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	75.16		27.20
		<i>For Work In Restricted Working Space, Add</i>	20.37		
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	96.80		33.95
		<i>For Work In Restricted Working Space, Add</i>	25.42		
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	109.68		37.55
		<i>For Work In Restricted Working Space, Add</i>	28.12		
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping .....	126.95		41.77
		<i>For Work In Restricted Working Space, Add</i>	31.37		
<b>21 20 Fire-Extinguishing Systems (21)</b>					
<b>21 21 Carbon-Dioxide Fire-Extinguishing Systems (21 20)</b>					
<b>21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment (21 21)</b>					
<b>21 21 16 00-0001 Carbon Dioxide Cylinders (21 21 16)</b>					
21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB .....	5,195.13		307.22
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each) .....	10,390.26		614.44
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket .....	595.87		163.71
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle .....	287.33		55.92
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing .....	62.14		22.67
<b>21 22 Clean-Agent Fire-Extinguishing Systems (21 20)</b>					
<b>21 22 16 Clean-Agent Fire-Extinguishing Equipment (21 22)</b>					
<b>21 22 16 00-0001 Ansul Fire Control Systems (21 22 16)</b>					
<b>21 22 16 00-0002 Sapphire® Fire Suppression Systems (21 22 16 00-0001)</b>					
		Note: ANSUL® SAPPHERE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.			
<b>21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>					
21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) .....	1,687.35		104.74
		Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) .....	1,917.75		104.74
		Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) .....	1,948.04		104.74
		Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) .....	2,761.41		139.64
		Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) .....	2,913.72		139.64
		Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.			
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) .....	3,125.06		174.55
		Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0010 EA 450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641).....	3,310.77	174.55
Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0011 EA 850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586).....	4,971.46	209.47
Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.		
21 22 16 00-0012 LB Sapphire Agent, Fire Protection Fluid, Factory Filled (Novoc 1230) .....	41.15	209.47
Note: Add to empty tank cost.		
<b>21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0014 EA 1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515) .....	164.62	17.46
21 22 16 00-0015 EA 3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516) .....	168.54	17.46
21 22 16 00-0016 EA 1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517) .....	178.38	17.46
21 22 16 00-0017 EA 1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518) .....	185.26	17.46
21 22 16 00-0018 EA 1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519) .....	195.08	17.46
21 22 16 00-0019 EA 2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520) .....	224.55	17.46
21 22 16 00-0020 EA 1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602) .....	164.62	17.46
21 22 16 00-0021 EA 3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603) .....	168.54	17.46
21 22 16 00-0022 EA 1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604) .....	178.38	17.46
21 22 16 00-0023 EA 1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605) .....	185.26	17.46
21 22 16 00-0024 EA 1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606) .....	195.08	17.46
21 22 16 00-0025 EA 2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607) .....	224.55	17.46
<b>21 22 16 00-0026 Actuation Attachments, Sapphire® Fire Suppression System (21 22 16 00-0002)</b>		
21 22 16 00-0027 EA 7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810).....	16.55	5.23
21 22 16 00-0028 EA 7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811).....	18.24	5.23
21 22 16 00-0029 EA 1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338).....	27.19	12.22
21 22 16 00-0030 EA 16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597).....	57.97	15.64
21 22 16 00-0031 EA 32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142).....	82.36	15.64
21 22 16 00-0032 EA 42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815).....	97.92	15.64
21 22 16 00-0033 EA 24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336).....	52.35	15.64
21 22 16 00-0034 EA Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	378.54	139.64
21 22 16 00-0035 EA Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549).....	350.96	104.74
21 22 16 00-0036 EA Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537).....	744.08	139.64
<b>21 22 16 00-0037 Nameplates, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0038 EA Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580).....	58.49	17.46
21 22 16 00-0039 EA Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581).....	62.93	17.46
<b>21 22 16 00-0040 Cylinder Bracketing, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0041 EA Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085) .....	179.42	52.37
21 22 16 00-0042 EA Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085) .....	188.26	52.37
21 22 16 00-0043 EA Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336).....	199.57	52.37
<b>21 22 16 00-0044 Check Valves, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0045 EA 1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566).....	435.61	55.58
21 22 16 00-0046 EA 2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568).....	617.43	95.38
<b>21 22 16 00-0047 Discharge Hose, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0048 EA 1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539).....	147.46	34.91
21 22 16 00-0049 EA 2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538).....	509.08	34.91
21 22 16 00-0050 EA 3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990).....	431.43	34.91
21 22 16 00-0051 EA 3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841) .....	1,879.01	139.64
<b>21 22 16 00-0052 Swivel Adaptors, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0053 EA 1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557).....	55.16	24.43
21 22 16 00-0054 EA 2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558).....	91.90	24.43
21 22 16 00-0055 EA 3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471) .....	241.26	17.46
21 22 16 00-0056 EA 3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470).....	314.30	17.46
<b>21 22 16 00-0057 Pressure Switches, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0058 EA Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585) .....	204.98	69.83
21 22 16 00-0059 EA Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156) .....	187.38	29.33
21 22 16 00-0060 EA Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250) .....	591.24	122.19
<b>21 22 16 00-0061 Level Indicators, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0062 EA Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277).....	636.48	24.43
21 22 16 00-0063 EA Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278).....	665.98	24.43
21 22 16 00-0064 EA Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589).....	717.37	34.91
<b>21 22 16 00-0065 Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0066 EA Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342) .....	57.61	20.95
21 22 16 00-0067 EA Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642).....	71.38	24.43

**21 Fire Suppression**  
**21 20 Fire-Extinguishing Systems**  
**21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0068	EA		Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579).....	248.97	104.74
21 22 16 00-0069	EA		1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576).....	282.67	104.74
21 22 16 00-0070	EA		2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592).....	310.68	104.74
21 22 16 00-0071	EA		3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891).....	401.08	104.74
<b>21 22 16 00-0072</b>			<b>Replacement Parts, Sapphire® Fire Suppression Systems (21 22 16 00-0002)</b>		
21 22 16 00-0073	EA		O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559).....	70.00	27.92
21 22 16 00-0074	EA		Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553).....	102.22	17.46
21 22 16 00-0075	EA		Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053).....	143.05	34.91
21 22 16 00-0076	EA		Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543).....	399.18	139.64
21 22 16 00-0077	EA		Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551).....	571.13	139.64
21 22 16 00-0078	EA		1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535).....	1,776.81	139.64
<b>21 22 16 00-0079</b>			<b>Inergen® Fire Suppression System (21 22 16 00-0001)</b>		
<b>21 22 16 00-0080</b>			<b>Actuation Attachments, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0081	EA		Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082).....	199.63	34.46
21 22 16 00-0082	EA		Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958).....	230.86	37.03
21 22 16 00-0083	EA		Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309).....	413.17	67.03
21 22 16 00-0084	EA		Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876).....	838.99	152.64
<b>21 22 16 00-0085</b>			<b>Check Valves, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0086	EA		2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794).....	1,911.65	201.46
<b>21 22 16 00-0087</b>			<b>Components, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0088	EA		1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378).....	59.45	10.56
21 22 16 00-0089	EA		Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700).....	694.16	113.20
21 22 16 00-0090	EA		30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169).....	2,161.70	354.18
21 22 16 00-0091	EA		60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170).....	2,070.83	360.83
<b>21 22 16 00-0092</b>			<b>Cylinders, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
Note: Includes CV98 valve. Factory filled with Inergen agent.					
21 22 16 00-0093	EA		200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147).....	1,815.67	324.15
21 22 16 00-0094	EA		250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148).....	2,059.55	367.26
21 22 16 00-0095	EA		350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620).....	2,924.51	475.92
21 22 16 00-0096	EA		435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150).....	2,949.58	581.56
21 22 16 00-0097	EA		250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257).....	2,143.67	409.50
21 22 16 00-0098	EA		350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621).....	3,009.26	518.31
21 22 16 00-0099	EA		435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259).....	3,146.92	624.93
<b>21 22 16 00-0100</b>			<b>Inspection/Maintenance Devices, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0101	EA		CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657).....	68.38	11.78
21 22 16 00-0102	EA		CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181).....	68.38	11.78
21 22 16 00-0103	EA		CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954).....	81.96	13.10
21 22 16 00-0104	EA		Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923).....	1,303.12	224.93
<b>21 22 16 00-0105</b>			<b>Multiple Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0106	EA		13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502).....	21.79	3.45
Note: For single row 435 cubic foot cylinders.					
21 22 16 00-0107	EA		27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503).....	30.93	4.92
Note: For double row 435 cubic foot cylinders.					
<b>21 22 16 00-0108</b>			<b>Nameplates, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0109	EA		Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265).....	24.03	3.85
21 22 16 00-0110	EA		Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266).....	22.35	3.85
<b>21 22 16 00-0111</b>			<b>Nozzle Deflector Shields, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0112	EA		1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708).....	97.09	16.60
21 22 16 00-0113	EA		3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711).....	101.92	17.38
21 22 16 00-0114	EA		1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714).....	118.28	20.08
21 22 16 00-0115	EA		1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717).....	132.02	22.67
21 22 16 00-0116	EA		1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720).....	151.43	26.07
<b>21 22 16 00-0117</b>			<b>Nozzles, Inergen® Fire Suppression System (21 22 16 00-0079)</b>		
21 22 16 00-0118	EA		1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908).....	148.83	25.69
21 22 16 00-0119	EA		3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723).....	154.34	26.45
21 22 16 00-0120	EA		1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362).....	142.37	24.48
21 22 16 00-0121	EA		3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363).....	146.48	26.45
21 22 16 00-0122	EA		1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364).....	169.22	29.09
21 22 16 00-0123	EA		1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365).....	180.88	30.98
21 22 16 00-0124	EA		1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366).....	194.80	33.25
21 22 16 00-0125	EA		2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155).....	335.51	58.18
21 22 16 00-0126	EA		2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156).....	443.58	76.33

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137) .....	483.71	83.88
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138) .....	173.41	30.20
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139) .....	204.47	35.36
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140) .....	168.23	29.09
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141) .....	179.58	30.83
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142) .....	181.19	30.98
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143) .....	218.74	37.63
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157) .....	235.86	40.80
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144) .....	362.05	62.61
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145) .....	422.86	73.30
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146) .....	463.32	80.10
<b>21 22 16 00-0138 Pressure Reducers, Inergen® Fire Suppression System (21 22 16 00-0079)</b>				
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677) .....	194.80	33.25
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678) .....	239.12	41.41
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679) .....	257.21	44.58
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680) .....	362.05	62.61
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681) .....	395.69	68.61
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682) .....	464.90	80.10
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057) .....	540.61	93.92
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058) .....	639.26	111.08
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823) .....	813.28	219.14
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824) .....	1,039.85	256.93
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825) .....	1,359.27	430.73
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847) .....	794.60	219.14
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848) .....	879.99	153.06
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849) .....	1,359.27	430.73
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853) .....	810.32	219.14
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854) .....	914.61	159.06
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855) .....	1,335.69	430.73
<b>21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System (21 22 16 00-0079)</b>				
21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344) .....	919.39	167.00
<b>21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System (21 22 16 00-0079)</b>				
21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728) .....	1,501.77	259.09
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492) .....	2,126.73	345.23
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525) .....	2,247.82	351.19
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310) .....	105.82	17.86
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373) .....	127.57	23.66
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939) .....	1,202.51	184.84
<b>21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System (21 22 16 00-0079)</b>				
21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095) .....	130.24	17.55
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096) .....	136.57	18.48
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097) .....	143.10	18.80
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098) .....	153.21	19.42
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099) .....	159.94	21.31
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100) .....	161.46	23.02
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984) .....	359.44	61.71
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985) .....	362.69	62.34
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986) .....	464.90	79.88
<b>21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System (21 22 16 00-0079)</b>				
21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704) .....	169.22	29.09
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) .....	244.49	66.50
Note: Includes saddle, padding and fasteners.				
<b>21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System (21 22 16 00-0079)</b>				
21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) .....	425.58	43.00
Note: Includes gasket and fasteners.				
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) .....	371.11	64.19
Note: Includes gasket and fasteners.				
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) .....	814.94	430.73
Note: Includes gasket and fasteners.				
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) .....	232.64	40.16
Note: Includes gasket and fasteners.				
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) .....	273.07	46.85
Note: Includes gasket and fasteners.				



**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861).....	809.98	430.73	
		Note: Includes gasket and fasteners.			
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) .....	242.31	42.06	
		Note: Includes gasket and fasteners.			
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) .....	283.77	49.02	
		Note: Includes gasket and fasteners.			
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) .....	834.54	430.73	
		Note: Includes gasket and fasteners.			
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828) .....	45.09	3.19	
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829) .....	45.72	3.51	
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830) .....	49.43	4.15	
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.			
21 22 16 00-0191		<b>Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System</b> <small>(21 22 16 00-0079)</small>			
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508) .....	29.67	5.10	
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027) .....	242.52	38.84	
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592) .....	185.55	38.84	
		Note: Includes upright, left, right and center.			
21 22 16 00-0195		<b>Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0001)</small>			
21 22 16 00-0196		<b>Accessory Switches, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>			
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495) .....	191.48	33.52	
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494) .....	217.69	38.22	
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497) .....	276.87	48.55	
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496) .....	298.22	52.32	
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499) .....	373.57	65.79	
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498) .....	397.51	69.86	
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956) .....	762.32	134.71	
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490) .....	60.99	10.02	
21 22 16 00-0205		<b>Alarm Devices, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>			
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698) .....	165.93	29.13	
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699) .....	243.25	42.60	
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702) .....	22.20	3.88	
21 22 16 00-0209		<b>Annunciators, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>			
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492) .....	1,912.94	338.03	
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496) .....	1,603.54	283.21	
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497) .....	1,244.84	219.92	
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500) .....	1,084.14	191.41	
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501) .....	1,084.14	191.41	
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502) .....	868.40	153.20	
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650) .....	1,603.54	283.21	
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651) .....	326.02	57.33	
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652) .....	408.81	72.05	
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653) .....	819.88	144.73	
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660) .....	138.44	24.28	
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576) .....	188.52	33.52	
		Note: For up to 4 LDM modules.			
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657) .....	326.03	57.33	
21 22 16 00-0223		<b>Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment</b> <small>(21 22 16 00-0195)</small>			
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586) .....	254.41	46.68	
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639) .....	15.88	3.20	
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640) .....	102.19	3.88	
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765) .....	17.39	3.88	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 22 16 00-0228	Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0229	EA Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564).....	565.97	104.63
21 22 16 00-0230	EA Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566).....	339.10	62.34
21 22 16 00-0231	Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0232	EA 7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692).....	247.08	40.10
21 22 16 00-0233	EA 12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693).....	517.25	84.90
21 22 16 00-0234	EA 18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694).....	583.89	96.18
21 22 16 00-0235	EA 25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695).....	758.96	117.17
21 22 16 00-0236	EA 55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997).....	1,230.67	203.32
21 22 16 00-0237	EA BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578).....	185.03	32.27
21 22 16 00-0238	EA BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079).....	330.87	58.28
	Note: Holds six XP5 modules or 25AH battery pack.		
21 22 16 00-0239	EA BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410).....	673.07	118.74
	Note: For mounting in BB-55 battery box.		
21 22 16 00-0240	EA Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207).....	1,957.01	345.86
	Note: For mounting in BB-55 battery box.		
21 22 16 00-0241	EA 120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563).....	1,431.14	252.81
21 22 16 00-0242	Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0243	EA Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097).....	150.87	26.78
21 22 16 00-0244	EA Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098).....	141.71	26.63
21 22 16 00-0245	EA Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480).....	193.11	38.22
21 22 16 00-0246	EA 2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100).....	283.34	49.81
21 22 16 00-0247	EA NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101).....	221.12	40.42
21 22 16 00-0248	EA Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102).....	208.14	38.84
21 22 16 00-0249	EA Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487).....	33.16	6.20
21 22 16 00-0250	EA Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125).....	121.91	21.93
21 22 16 00-0251	EA Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066).....	121.62	21.31
21 22 16 00-0252	EA HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067).....	48.10	17.55
21 22 16 00-0253	EA Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138).....	11.18	1.95
	Note: Converts BX501 to low profile base.		
21 22 16 00-0254	EA Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945).....	117.07	20.52
21 22 16 00-0255	EA EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699).....	68.62	12.09
21 22 16 00-0256	EA XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078).....	185.37	31.96
21 22 16 00-0257	EA BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080).....	97.04	16.92
21 22 16 00-0258	Manual Pull Stations, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0259	EA Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661).....	27.77	4.54
21 22 16 00-0260	EA Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336).....	17.07	2.51
21 22 16 00-0261	Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment <small>(21 22 16 00-0195)</small>		
21 22 16 00-0262	EA Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470).....	243.25	42.60
	Note: Includes municipal box and remote station connection.		
21 22 16 00-0263	EA Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471).....	728.80	122.49
21 22 16 00-0264	EA Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411).....	1,397.52	246.87
21 22 16 00-0265	EA Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635).....	37.19	6.39
21 22 16 00-0266	Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0001)</small>		
21 22 16 00-0267	Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System <small>(21 22 16 00-0266)</small>		
21 22 16 00-0268	EA Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482).....	187.82	30.07
21 22 16 00-0269	EA Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379).....	431.70	45.34



## 21 Fire Suppression

### 21 20 Fire-Extinguishing Systems

#### 21 22 Clean-Agent Fire-Extinguishing Systems

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374) .....	1,048.44	175.44
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375) .....	1,048.44	175.44
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) .....	1,575.07	263.16
		Note: Includes housing and battery cab.		
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) .....	1,575.07	263.16
		Note: Includes housing and battery cab.		
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378) .....	2,277.81	335.21

#### 21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)

21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459) .....	33.80	5.64
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458) .....	49.63	5.64
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484) .....	73.20	10.65
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446) .....	111.79	11.91
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447) .....	144.74	23.81
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480) .....	261.52	30.07

#### 21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)

21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) .....	7,987.32	1,472.43
		Note: Includes 3 blank plates.		
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) .....	10,162.00	1,817.04
		Note: Includes centrally mounted LCD programmer module and standard display.		
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) .....	9,196.91	1,660.39
		Note: Includes centrally mounted LCD programmer.		
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357) .....	12,733.74	2,192.98
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358) .....	13,410.92	2,318.29
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) .....	12,877.24	2,224.30
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.		
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) .....	13,600.17	2,349.61
		Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.		
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) .....	14,001.41	2,443.60
		Note: Includes 2 blank plates and scan display module at far right.		
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) .....	14,618.01	2,568.91
		Note: Includes 2 blank plates and scanner display.		
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) .....	15,362.04	2,694.23
		Note: Includes centrally mounted programmer module.		
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) .....	16,022.86	2,819.54
		Note: Includes centrally mounted LCD programmer module and scanner display module.		
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) .....	15,020.25	2,568.91
		Note: Includes centrally mounted LCD programmer.		

#### 21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)

21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) .....	2,381.02	344.61
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) .....	2,391.84	344.61
		Note: Includes a remote termination card and 7 relays.		
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) .....	2,156.89	313.28
		Note: Includes a remote termination card without relays.		
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) .....	2,169.46	313.28
		Note: Includes a remote termination card.		
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) .....	2,676.23	375.94
		Note: Includes a remote termination card and 12 relays.		
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391) .....	2,277.27	325.81
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393) .....	2,497.18	365.92

#### 21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)

21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370) .....	6,066.92	1,033.83
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372) .....	4,984.98	827.06
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380) .....	1,772.44	313.28
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395) .....	1,265.58	203.64
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399) .....	1,758.85	274.43
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) .....	2,590.58	338.35
		Note: Interface connects PC and LaserPLUS system.		
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443) .....	331.28	50.75
21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444) .....	2,202.86	313.28
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460) .....	1,590.68	260.02
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463) .....	1,247.51	200.50
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461) .....	1,593.04	260.02
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464) .....	1,590.68	260.02

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0316 EA Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487).....	1,566.77	244.36
21 22 16 00-0317 EA Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466).....	185.41	21.93
21 22 16 00-0318 EA Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467).....	7,580.76	1,203.00
21 22 16 00-0319 EA Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470).....	13,213.81	2,105.25
21 22 16 00-0320 EA Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475).....	1,028.81	156.64
21 22 16 00-0321 EA Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477).....	23.20	3.14
21 22 16 00-0322 EA Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478).....	12.55	0.63
21 22 16 00-0323 EA US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481).....	568.96	90.86
21 22 16 00-0324 EA Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483).....	689.38	110.28
21 22 16 00-0325 EA Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486).....	995.47	159.77
21 22 16 00-0326 EA RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488).....	146.80	23.81
21 22 16 00-0327 EA Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502).....	23.55	5.01
<b>21 22 16 00-0328 Labels And Decals, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0329 EA Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509).....	21.02	3.76
21 22 16 00-0330 EA Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505).....	22.28	4.39
21 22 16 00-0331 EA Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506).....	33.80	5.64
21 22 16 00-0332 EA Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507).....	33.85	5.64
21 22 16 00-0333 EA Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508).....	123.11	21.31
<b>21 22 16 00-0334 Mounting Hardware, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0335 EA Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456).....	300.42	45.12
21 22 16 00-0336 EA Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472).....	404.47	60.15
21 22 16 00-0337 EA Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471).....	415.86	65.79
21 22 16 00-0338 EA Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457).....	979.63	93.98
21 22 16 00-0339 EA Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445).....	1,474.84	206.76
<b>21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0341 LF 3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491).....	7.46	2.40
21 22 16 00-0342 EA 3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497).....	13.23	4.81
21 22 16 00-0343 EA 3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494).....	37.26	14.42
21 22 16 00-0344 EA 3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493).....	38.14	14.42
21 22 16 00-0345 EA 3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495).....	26.06	9.61
21 22 16 00-0346 EA 3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496).....	41.23	14.42
21 22 16 00-0347 EA 3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498).....	56.86	21.63
21 22 16 00-0348 EA 3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499).....	69.87	25.39
21 22 16 00-0349 LF 1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500).....	6.17	2.27
21 22 16 00-0350 EA Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479).....	23.48	6.89
21 22 16 00-0351 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503).....	27.00	5.01
21 22 16 00-0352 EA Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504).....	38.59	6.89
<b>21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System (21 22 16 00-0266)</b>		
21 22 16 00-0354 EA VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396).....	1,724.71	240.60
Note: Remote box includes 7 relays for VLP/VLC.		
21 22 16 00-0355 EA VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490).....	1,773.52	276.95
21 22 16 00-0356 EA 12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485).....	1,074.24	169.17
21 22 16 00-0357 EA RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489).....	1,226.40	191.10
21 22 16 00-0358 EA VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397).....	1,724.71	240.60
Note: Remote box includes 7 relays for VLS.		
21 22 16 00-0359 EA VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398).....	2,074.73	276.95
Note: Remote box includes 12 relays for VLS.		
21 22 16 00-0360 EA Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468).....	591.79	85.21
21 22 16 00-0361 EA Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469).....	891.16	130.32
21 22 16 00-0362 EA 7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474).....	1,690.11	269.42
21 22 16 00-0363 EA 12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476).....	2,479.16	394.74
<b>21 22 16 00-0364 Preferred® Low Pressure CO2 System (21 22 16 00-0001)</b>		

**21 Fire Suppression**  
**21 20 Fire-Extinguishing Systems**  
**21 22 Clean-Agent Fire-Extinguishing Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0365			<b>Manual Pull Stations, Preferred® Low Pressure CO2 System</b> (21 22 16 00-0364)		
21 22 16 00-0366	EA		Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658).....	134.14	21.93
			Note: Excludes FMM-101.		
21 22 16 00-0367	EA		Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659).....	100.29	16.30
21 22 16 00-0368			<b>Industrial Fire Control System</b> (21 22 16 00-0001)		
21 22 16 00-0369			<b>Alarm Devices, Industrial Fire Control System</b> (21 22 16 00-0368)		
21 22 16 00-0370	EA		Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947).....	3,269.76	578.00
21 22 16 00-0371	EA		6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751).....	97.86	13.28
21 22 16 00-0372	EA		24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697).....	98.67	17.23
21 22 16 00-0373	EA		Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700).....	58.80	10.34
21 22 16 00-0374	EA		Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701).....	24.01	4.19
21 22 16 00-0375			<b>Manual Pull Stations, Industrial Fire Control System</b> (21 22 16 00-0368)		
21 22 16 00-0376	EA		SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655).....	110.88	18.17
21 22 16 00-0377	EA		DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656).....	156.34	25.69
21 22 16 00-0378	EA		Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657).....	1,221.24	201.75
21 22 16 00-0379	EA		Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660).....	35.49	5.83
21 22 16 00-0380	EA		Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654).....	15.90	2.60
21 22 16 00-0381			<b>Marine Fire Control System</b> (21 22 16 00-0001)		
21 22 16 00-0382			<b>Alarm Devices, Marine Fire Control System</b> (21 22 16 00-0381)		
21 22 16 00-0383	EA		Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747).....	64.29	10.53
21 22 16 00-0384	EA		6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805).....	118.95	20.36
21 22 16 00-0385	EA		10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806).....	118.95	20.36
21 22 16 00-0386			<b>FM200 System Equipment</b> (21 22 16)		
21 22 16 00-0387	EA		26 LB Cylinder, Filled, For FM200 Fire Protection system.....	3,763.10	151.14
21 22 16 00-0388	EA		44 LB Cylinder, Filled, For FM200 Fire Protection system.....	5,380.00	173.05
21 22 16 00-0389	EA		63 LB Cylinder, Filled, For FM200 Fire Protection system.....	6,385.83	204.03
21 22 16 00-0390	EA		101 LB Cylinder, Filled, For FM200 Fire Protection system.....	8,454.00	241.81
21 22 16 00-0391	EA		196 LB Cylinder, Filled, For FM200 Fire Protection system.....	13,189.37	302.27
21 22 16 00-0392	EA		Electro/Mechanical Release, For FM200 Fire Protection system.....	919.15	302.27
21 22 16 00-0393	EA		Manual Pull Station, For FM200 Fire Protection system.....	318.95	100.51
21 22 16 00-0394	EA		Pneumatic Damper Release, For FM200 Fire Protection system.....	374.00	75.57
21 22 16 00-0395	LB		FM200 Gas.....	29.70	
21 22 16 00-0396	EA		Master Cylinder, For FM200 Fire Protection system.....	6,085.69	81.31
21 22 16 00-0397	EA		Shuttle Check Valve, For FM200 Fire Protection system.....	280.17	113.66
21 22 16 00-0398	EA		Flex Head Cylinder, For FM200 Fire Protection system.....	907.72	121.81
21 22 16 00-0399	EA		Nozzles, For FM200 Fire Protection system.....	230.37	43.07
21 22 16 00-0400	EA		Cylinder Support, For FM200 Fire Protection system.....	280.17	81.31
21 22 16 00-0401	EA		Solenoid Valve, For FM200 Fire Protection system.....	1,164.05	121.81
21 22 16 00-0402	EA		Battery Back-Up, For FM200 Fire Protection system.....	953.54	321.30
21 22 16 00-0403	EA		Control Panel, Single Zone, For FM200 Fire Protection system.....	4,615.54	603.62
21 22 16 00-0404	EA		Control Panel, Multi Zone, For FM200 Fire Protection system.....	7,556.17	1,208.61
21 22 16 00-0405	EA		Smoke Or Heat Detector, For FM200 Fire Protection system.....	395.42	121.81
21 22 16 00-0406	EA		Annunciator, For FM200 Fire Protection system.....	3,727.35	457.48
21 22 16 00-0407	EA		Pressure Switch, For FM200 Fire Protection system.....	425.65	121.81
21 22 16 00-0408	EA		Alarm Horn, For FM200 Fire Protection system.....	392.50	121.81
21 22 16 00-0409	EA		Testing, For FM200 Fire Protection system.....	1,724.30	
21 22 16 00-0410	EA		Abort Switch, For FM200 Fire Protection system.....	262.09	56.67

**21 23 Wet-Chemical Fire-Extinguishing Systems** (21 20)

**21 23 16 Wet-Chemical Fire-Extinguishing Equipment** (21 23)

21 23 16 00-0001			<b>Kidde Fire Systems</b> (21 23 16) Note: Kidde or equal.		
21 23 16 00-0002			<b>Cylinders And Hardware</b> (21 23 16 00-0001)		
21 23 16 00-0003	EA		125 Cylinder And Valve Assembly With 1.25 Gallon Of Wet Agent.....	1,161.10	125.68
21 23 16 00-0004	EA		260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent.....	1,335.71	156.54
21 23 16 00-0005	EA		400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent.....	1,636.93	193.13
21 23 16 00-0006	EA		600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent.....	1,933.14	229.16
21 23 16 00-0007	EA		Discharge Adapter Kit (One Required Per Cylinder).....	65.02	6.57
21 23 16 00-0008	EA		System Valve Actuator.....	233.89	26.11
21 23 16 00-0009	EA		Vent Plug.....	43.93	5.30
21 23 16 00-0010	EA		Gauge Shield.....	101.94	13.97
21 23 16 00-0011	EA		125 Cylinder Wall Mounting Bracket.....	120.60	13.97
21 23 16 00-0012	EA		260 Cylinder Wall Mounting Bracket.....	127.84	14.80
21 23 16 00-0013	EA		400S And M Cylinder Wall Mounting Bracket.....	242.98	27.92
21 23 16 00-0014	EA		600 And 400M Cylinder Shelf Bracket.....	239.40	31.70
21 23 16 00-0015	EA		600 And 400M Cylinder Floor Mounting Kit.....	298.30	31.77
21 23 16 00-0016	EA		125 And 260 Cylinder Replacement Bracket Strap.....	41.47	
21 23 16 00-0017	EA		400 And 600 Cylinder Replacement Bracket Strap.....	43.58	

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>21 23 16 00-0018 Nozzles And Accessories (21 23 16 00-0001)</b>				
21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle.....	108.19	12.85
21 23 16 00-0020	EA	LPF Or DM Nozzle.....	117.45	12.85
21 23 16 00-0021	EA	LPR Nozzle.....	136.54	12.85
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles.....	81.10	9.08
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals.....	12.78	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap.....	7.87	0.84
21 23 16 00-0025	EA	LPR Nozzle Disc Cap.....	42.47	12.78
<b>21 23 16 00-0026 Control Systems (21 23 16 00-0001)</b>				
21 23 16 00-0027	EA	XV Control System..... Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	1,248.33	83.78
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System).....	108.29	13.97
21 23 16 00-0029	EA	24" High Pressure Hose.....	127.32	13.97
21 23 16 00-0030	EA	60" High Pressure Hose.....	169.62	13.97
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC.....	248.32	27.92
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT.....	83.35	13.13
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release.....	89.70	13.13
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring).....	37.87	10.48
21 23 16 00-0035	EA	KRS-50 Control Box Assembly..... Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	704.66	54.11
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50.....	113.31	13.13
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50.....	204.89	22.76
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In).....	629.52	73.03
<b>21 23 16 00-0039 Mechanical Actuation Components (21 23 16 00-0001)</b>				
21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems..... Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	73.39	20.95
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit..... Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	96.88	20.95
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip.....	247.88	13.97
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip.....	190.78	13.97
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems.....	31.62	3.77
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems.....	433.21	23.04
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems.....	52.95	6.14
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination.....	100.69	6.98
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems.....	3.36	1.39
21 23 16 00-0049	EA	Cable Clamp.....	14.08	0.70
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems.....	2.12	0.55
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems.....	2.05	0.55
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems.....	113.00	12.99
<b>21 23 16 00-0053 Mechanical Detection Links (21 23 16 00-0001)</b>				
21 23 16 00-0054	EA	KGS Standard Response Link.....	24.72	6.98
21 23 16 00-0055	EA	KGS Rapid Response Link.....	35.46	6.98
21 23 16 00-0056	EA	KFA Type "A" Fusible Link.....	30.64	6.98
21 23 16 00-0057	EA	KML Type "ML" Fusible Link.....	28.77	6.98
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link.....	41.47	6.98
<b>21 23 16 00-0059 Gas Valves (21 23 16 00-0001)</b>				
21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	506.80	30.16
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve.....	552.31	37.14
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve.....	634.94	46.92
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	697.13	54.04
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	753.81	63.82
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve.....	1,248.09	93.28
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve.....	1,394.26	107.94
21 23 16 00-0067	EA	Pneumatic Release (Single Unit).....	575.65	34.08
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve.....	67.48	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve.....	528.53	28.07
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve.....	532.74	30.16
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve.....	820.95	37.14
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve.....	870.23	46.92
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve.....	999.12	54.04
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve.....	1,283.68	63.82
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve.....	2,120.71	93.28
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve.....	2,663.36	107.94
21 23 16 00-0077	EA	Manual Reset Relay.....	734.63	140.35
<b>21 23 16 00-0078 Liquid Tight Sealing Adapters (21 23 16 00-0001)</b>				
21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter.....	58.03	5.87
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter.....	57.22	6.42
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter.....	67.20	7.68
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter.....	77.51	8.24
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter.....	67.20	7.68
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter.....	57.22	6.42
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter.....	57.22	6.42



**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 23 Wet-Chemical Fire-Extinguishing Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter .....	94.00		10.89
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter .....	125.13		14.38
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter .....	57.22		
<b>21 23 16 00-0089</b>		<b>Pressure Operated Releasing Systems (21 23 16 00-0001)</b>			
21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder .....	415.93		42.17
21 23 16 00-0091	EA	KRS-100 Actuator Assembly .....	373.16		43.01
21 23 16 00-0092	EA	KRS-100 Mounting Bracket .....	291.59		10.61
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder .....	1,071.36		121.63
21 23 16 00-0094	EA	KRS-700 Mounting Bracket .....	228.07		25.98
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit .....	344.54		25.98
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems .....	340.66		18.43
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems .....	105.10		11.73
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly .....	13.84		
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch .....	858.77		97.75
<b>21 23 16 00-0100</b>		<b>Pyro-Chem Kitchen Fire Suppression Systems (21 23 16)</b>			
<b>21 23 16 00-0101</b>		<b>Cylinders, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>			
21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194) .....	1,032.91		99.15
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193) .....	1,487.85		142.86
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196) .....	1,955.22		195.37
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053) .....	212.19		23.33
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208) .....	1,396.87		152.49
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966) .....	852.87		93.00
<b>21 23 16 00-0108</b>		<b>Fusible Links, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>			
21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522) .....	27.55		3.08
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523) .....	27.55		3.08
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524) .....	28.20		3.08
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525) .....	27.55		3.08
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526) .....	27.55		3.08
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527) .....	29.91		3.08
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131) .....	47.71		5.16
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132) .....	61.92		6.85
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876) .....	80.68		35.33
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6) .....	598.25		78.62
<b>21 23 16 00-0119</b>		<b>Gas Valves, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>			
21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593) .....	493.34		30.16
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594) .....	562.45		37.14
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595) .....	608.32		46.92
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596) .....	669.56		53.90
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049) .....	770.54		63.67
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185) .....	1,784.84		93.14
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186) .....	1,906.11		107.80
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358) .....	388.31		30.16
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359) .....	659.59		37.14
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360) .....	689.69		46.92
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361) .....	785.05		53.90
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362) .....	1,085.56		63.67
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363) .....	2,094.58		93.14
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643) .....	2,210.64		107.80
<b>21 23 16 00-0134</b>		<b>Nozzles, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>			
21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	98.65		10.34
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	139.84		13.13
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem) .....	533.49		13.13
<b>21 23 16 00-0138</b>		<b>Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>			
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059) .....	36.47		4.05
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104) .....	1,194.24		131.13
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690) .....	1,521.89		167.72
<b>21 23 16 00-0142</b>		<b>Circuit Monitors, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>			
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303) .....	780.70		85.88
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302) .....	941.98		103.48
<b>21 23 16 00-0145</b>		<b>Control Heads, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>			
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203) .....	861.34		94.68
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200) .....	899.02		99.01
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201) .....	1,171.03		128.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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21 23 16 00-0149	EA		120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202).....	1,343.41	148.02
21 23 16 00-0150	EA		Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853).....	109.12	12.01
<b>21 23 16 00-0151</b>			<b>Corner Pulleys/Tees, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0152	EA		Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670).....	27.11	1.96
21 23 16 00-0153	EA		Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250).....	27.99	2.51
21 23 16 00-0154	EA		Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166).....	87.49	9.63
21 23 16 00-0155	EA		Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272).....	1.12	
<b>21 23 16 00-0156</b>			<b>Switches, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0157	EA		SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227).....	95.13	10.48
21 23 16 00-0158	EA		DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237).....	190.56	20.80
21 23 16 00-0159	EA		Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978).....	403.27	44.13
<b>21 23 16 00-0160</b>			<b>Wire Rope/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0161	LF		1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821).....	1.98	0.42
21 23 16 00-0162	EA		Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122).....	1.21	0.42
21 23 16 00-0163	EA		High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551).....	4.73	0.55
21 23 16 00-0164	EA		"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121).....	0.83	
<b>21 23 16 00-0165</b>			<b>Replacement Parts, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0166	EA		Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698).....	90.42	10.05
21 23 16 00-0167	EA		Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831).....	94.38	10.48
21 23 16 00-0168	EA		Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705).....	11.06	1.26
21 23 16 00-0169	EA		225 psi, Wet Gauge, Kitchen Fire Suppression Systems (Pyro-Chem 551236).....	129.68	13.68
21 23 16 00-0170	EA		Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716).....	18.19	1.96
21 23 16 00-0171	EA		Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707).....	25.32	2.79
21 23 16 00-0172	EA		Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715).....	11.06	1.26
21 23 16 00-0173	EA		Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528).....	15.58	1.67
21 23 16 00-0174	EA		Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529).....	15.23	1.67
21 23 16 00-0175	EA		Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530).....	4.35	0.42
21 23 16 00-0176	EA		Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257).....	7.37	
21 23 16 00-0177	EA		O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063).....	141.02	
21 23 16 00-0178	EA		3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024).....	958.18	
21 23 16 00-0179	EA		4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902).....	1,245.07	
21 23 16 00-0180	EA		6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901).....	1,438.60	
<b>21 23 16 00-0181</b>			<b>Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0182	EA		3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857).....	44.27	4.75
21 23 16 00-0183	EA		1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859).....	45.84	5.03
21 23 16 00-0184	EA		Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788).....	88.29	9.63
21 23 16 00-0185	EA		Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240).....	124.94	
21 23 16 00-0186	EA		3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188).....	268.55	
<b>21 23 16 00-0187</b>			<b>Pull Stations/Accessories, Kitchen Fire Suppression Systems (21 23 16 00-0100)</b>		
21 23 16 00-0188	EA		Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074).....	178.42	19.69
21 23 16 00-0189	EA		Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166).....	191.86	27.65
21 23 16 00-0190	EA		Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088).....	47.71	5.16
21 23 16 00-0191	EA		Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661).....	6.55	1.82
<b>21 23 16 00-0192</b>			<b>Asco Gas Valve Control Panels (21 23 16)</b>		
21 23 16 00-0193	EA		Relay Control Panel For AC Solenoid Valves (Asco 108D90C).....	2,706.64	307.22
21 23 16 00-0194	EA		Relay Control Panel For DC Solenoid Valves (Asco 108D10C).....	2,793.50	307.22
21 23 16 00-0195	EA		Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89).....	899.43	69.83
21 23 16 00-0196	EA		Emergency Stop Station For Relay Control Panel (Asco 173A19).....	842.69	69.83

**21 24 Dry-Chemical Fire-Extinguishing Systems (21 20)**

**21 24 16 Dry-Chemical Fire-Extinguishing Equipment (21 24)**

**21 24 16 00-0001 Amerex KP Restaurant Fire Suppression Systems (21 24 16)**

Note: Amerex or equal.					
21 24 16 00-0002	EA		3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	729.82	108.37
21 24 16 00-0003	EA		6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve.....	1,014.20	136.62
21 24 16 00-0004	EA		Recharge - KP Liquid Agent (3.75 Gallon).....	240.88	
21 24 16 00-0005	EA		Recharge - KP Liquid Agent (6 Gallon).....	423.42	
21 24 16 00-0006	EA		3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet.....	168.61	22.75
21 24 16 00-0007	EA		6 Gallon, Bracket Assembly Agent Cylinder.....	98.22	13.19
21 24 16 00-0008	EA		6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit.....	42.60	
21 24 16 00-0009	EA		6 Gallon, Pneumatic Actuator, Agent Cylinder.....	168.61	22.75
21 24 16 00-0010	EA		MRM Actuator (Less N2 Cylinder And Enclosure).....	423.42	57.02
21 24 16 00-0011	EA		Painted Steel, MRM Enclosure.....	225.66	30.33
21 24 16 00-0012	EA		Stainless Steel, MRM Enclosure.....	273.83	30.33
21 24 16 00-0013	EA		Stainless Steel, Single Cylinder System Cabinet.....	671.92	90.53



**21 Fire Suppression****21 20 Fire-Extinguishing Systems****21 24 Dry-Chemical Fire-Extinguishing Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose .....	50.71	6.82
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder .....	225.66	30.33
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check .....	40.57	5.46
21 24 16 00-0017	EA	Detector .....	30.42	4.09
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link.....	11.41	1.51
21 24 16 00-0019	EA	Test Link .....	3.90	
21 24 16 00-0020	EA	Corner Pulley .....	15.72	2.13
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable .....	253.54	34.12
21 24 16 00-0022	EA	Pulley Tee.....	114.09	15.32
21 24 16 00-0023	EA	Manual Pull Station (Standard) .....	101.41	13.65
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station) .....	47.57	6.37
21 24 16 00-0025	EA	Manual Pull Station (Oversized) .....	113.08	15.16
21 24 16 00-0026	EA	Conduit Offset.....	22.57	3.03
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal).....	31.10	4.24
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal).....	25.35	3.49
21 24 16 00-0029	EA	3/8" Pipe Compression Seal.....	42.34	5.77
21 24 16 00-0030	EA	1/2" Pipe Compression Seal.....	42.34	5.77
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard).....	12.48	3.94
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature) .....	28.23	3.94
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle .....	50.71	6.82
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle .....	50.71	6.82
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each .....	50.71	6.82
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle .....	50.71	6.82
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle .....	50.71	6.82
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle.....	72.93	9.86
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve.....	400.88	40.18
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve .....	474.34	58.38
21 24 16 00-0041	EA	2" Mechanical Gas Valve .....	590.05	68.99
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve) .....	638.93	85.97
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads .....	33.63	4.55
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve .....	54.26	7.28
21 24 16 00-0045	EA	Gas Valve Trip Assembly.....	114.09	15.32

**21 24 16 00-0046 Range Guard Fire Suppression Systems (21 24 16)**

Note: Range Guard or equal.

21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve .....	775.24	117.16
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve .....	967.72	146.21
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve.....	1,194.71	180.56
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve.....	1,419.05	214.36
21 24 16 00-0051	EA	Vent Plug .....	32.56	4.89
21 24 16 00-0052	EA	Discharge Adapter Kit .....	41.95	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket .....	86.28	12.99
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket .....	91.32	13.83
21 24 16 00-0055	EA	4 Gallon Wall Bracket .....	172.48	26.11
21 24 16 00-0056	EA	6 Gallon Wall Bracket .....	191.14	28.90
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch .....	674.36	101.94
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch .....	703.56	106.27
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches .....	807.09	121.91
21 24 16 00-0060	EA	Tandem Control Head.....	613.28	92.73
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC.....	1,038.08	156.82
21 24 16 00-0062	EA	Mechanical Control Box.....	461.95	69.83
21 24 16 00-0063	EA	Tandem Control Box .....	461.95	69.83
21 24 16 00-0064	EA	Mechanical Control Box Adapter .....	135.40	20.53
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator .....	406.91	61.45
21 24 16 00-0066	EA	Pressure Operated Actuator .....	167.26	25.27
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder.....	270.81	40.91
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly .....	276.11	41.75
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket .....	67.69	10.20
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder.....	781.39	118.00
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket .....	167.26	25.27
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit .....	167.26	25.27
21 24 16 00-0073	EA	Check Valve.....	142.36	30.02
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems .....	75.66	11.45
21 24 16 00-0075	EA	Check Valve, (Schradner Flare Fitting) For Pressure Operated Actuator .....	32.91	4.97
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly .....	8.67	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders.....	172.58	26.11
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW .....	79.12	12.01
21 24 16 00-0079	EA	Nozzles; DM And LPF.....	88.14	13.27
21 24 16 00-0080	EA	Swivel Adapter.....	55.76	8.38
21 24 16 00-0081	EA	Corner Pulley .....	23.89	3.63
21 24 16 00-0082	LF	1/16" Stainless Steel Cable.....	1.11	0.42
21 24 16 00-0083	EA	Cable Crimp Sleeve.....	1.34	0.42
21 24 16 00-0084	EA	"S" Hook .....	1.02	0.28
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT .....	82.27	12.42
21 24 16 00-0086	EA	Cable Clamp .....	7.33	1.12
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable .....	1.02	0.28
21 24 16 00-0088	EA	3/8" Cable Anchor .....	86.94	13.13
21 24 16 00-0089	EA	1/2" Cable Anchor .....	86.94	13.13
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable).....	140.63	21.23
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve .....	150.09	22.62
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line.....	175.83	26.53
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit .....	55.10	8.38
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line .....	230.84	34.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0095	EA		Recessed Remote Manual Release, End-of-line	175.83	26.53
21 24 16 00-0096	EA		Recessed Remote Manual Release, In Line Kit	209.62	31.70
21 24 16 00-0097	EA		Pulley Tee, Remote In Line Only	37.68	5.73
21 24 16 00-0098	EA		Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	41.83	6.28
21 24 16 00-0099	EA		Fusible Link 165F To 360F	13.70	2.10
21 24 16 00-0100	EA		Fusible Link 500F	21.39	2.10
21 24 16 00-0101	EA		Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	41.83	6.28
21 24 16 00-0102	EA		Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	31.18	6.28
21 24 16 00-0103	EA		Quartzoid Link 400 F	225.54	34.08
21 24 16 00-0104	EA		Quartzoid Link 500 F	225.54	34.08
21 24 16 00-0105	EA		SPDT Micro Switch For Use With A Plus Control Box	80.83	12.15
21 24 16 00-0106	EA		DPDT Micro Switch For Use With A Plus Control Box	140.63	21.23
21 24 16 00-0107	EA		SPDT Micro Switch For Use With A Mechanical Control Box	83.58	12.57
21 24 16 00-0108	EA		DPDT Micro Switch For Use With A Mechanical Control Box	144.86	21.92
21 24 16 00-0109	EA		SPDT Micro Switch For Use With PRCB	106.14	16.05
21 24 16 00-0110	EA		DPDT Micro Switch For Use With PRCB	153.10	23.04
21 24 16 00-0111	EA		Pressure Switch, SPDT (Fire Dept. Tie In)	448.43	67.73
21 24 16 00-0112	EA		Circuit Monitor 12 Or 24 Volt DC	201.66	30.45
21 24 16 00-0113	EA		Circuit Monitor 120 Volt AC	201.66	30.45
21 24 16 00-0114	EA		Electric Manual Pull Station	147.26	22.21
21 24 16 00-0115	EA		6", 24 Volt DC, Motor Bell	82.25	12.42
21 24 16 00-0116	EA		10", 115 Volt AC Motor Bell	116.76	17.60
21 24 16 00-0117	EA		Fuse, 1.2 For ECH	9.46	1.39
21 24 16 00-0118	EA		Indicator Lamp 12 Or 24 Volt DC	41.84	6.28
21 24 16 00-0119	EA		Indicator Lamp 120 Volt AC	41.84	6.28
21 24 16 00-0120	EA		B-10 Manual Station Dual Action, SPDT	153.90	23.18
21 24 16 00-0121	EA		B-11 Manual Station Dual Action, DPDT	169.82	25.70
21 24 16 00-0122	EA		Break Rods For B10/B11 Manual Pull Station	4.73	1.82
21 24 16 00-0123	EA		Spare Key For B10/B11 Manual Stations	21.22	3.21
21 24 16 00-0124	EA		MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	228.19	34.49
21 24 16 00-0125	EA		Suppression Abort Station	241.46	36.45
21 24 16 00-0126	EA		Suppression Abort Station With Surface Mount Back Box	281.26	42.46
21 24 16 00-0127	EA		Surface Mount Back Box	92.87	13.97
21 24 16 00-0128	EA		Single Hazard Control Unit, 120 Volt AC IP	1,724.70	260.16
21 24 16 00-0129	EA		Single Hazard Control Unit, 240 Volt AC IP	1,724.70	260.16
21 24 16 00-0130	EA		1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	143.28	21.64
21 24 16 00-0131	EA		Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	5.56	0.98
21 24 16 00-0132	EA		Spare Scorpio Circuit Board	1,247.01	
21 24 16 00-0133	EA		Extra Scorpio Key	21.22	
21 24 16 00-0134	EA		Extra Scorpio Manual	13.26	
21 24 16 00-0135	EA		Compression Seal Adapter 3/8" Pipe	36.09	5.45
21 24 16 00-0136	EA		Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	39.18	5.87
21 24 16 00-0137	EA		Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	47.14	7.12
21 24 16 00-0138	EA		Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	50.41	7.54
21 24 16 00-0139	EA		Quik Seal Adapter 3/8" NPT Female	39.18	5.87
21 24 16 00-0140	EA		Quik Seal Adapter 1/2" NPT Female	39.18	5.87
21 24 16 00-0141	EA		Quik Seal Adapter 3/4" NPT Female	67.03	10.20
21 24 16 00-0142	EA		Quik Seal Adapter 1" NPT Female	88.88	13.40
21 24 16 00-0143	EA		Quik Patch (Up To 1-1/8" Diameter)	39.18	5.87
21 24 16 00-0144	EA		1-1/4 Gallon Karbaloy Charge	87.20	
21 24 16 00-0145	EA		2-1/2 Gallon Karbaloy Charge	149.91	
21 24 16 00-0146	EA		4 Gallon Karbaloy Charge	226.58	
21 24 16 00-0147	EA		6 Gallon Karbaloy Charge	331.56	
21 24 16 00-0148	EA		Inlet Flushing Adapter	65.00	9.77
21 24 16 00-0149	EA		1/2" Flushing Adapter (Outlet)	65.00	9.77
21 24 16 00-0150	EA		1/8" Flushing Adapter (Outlet)	65.00	9.77
21 24 16 00-0151	EA		1/4" Flushing Adapter (Outlet)	65.00	9.77
21 24 16 00-0152	EA		3/8" Flushing Adapter (Outlet)	65.00	9.77
21 24 16 00-0153	EA		Recharge Adapter (Old Style Cylinder Valve Assembly Only)	90.21	
21 24 16 00-0154	EA		Instruction Label (In Case Of Fire) - MCB	7.27	
21 24 16 00-0155	EA		Caution Sign (Turn On Fan)	8.66	
21 24 16 00-0156	EA		Inspection Label (Authorized installers only)	6.16	
21 24 16 00-0157	EA		Label, Warning, A+ Control Box	4.49	
21 24 16 00-0158	EA		Wet Chemical System Kits, RG-1.25G Kit; #23315	1,140.89	172.18
21 24 16 00-0159	EA		Wet Chemical System Kits, RG-2.5G Kit; #23316	1,331.94	200.95
21 24 16 00-0160	EA		Wet Chemical System Kits, RG-4GS Kit; #23317	1,658.31	250.25
21 24 16 00-0161	EA		Wet Chemical System Kits, RG-4GT Kit; #23318	1,658.31	250.25
21 24 16 00-0162	EA		Wet Chemical System Kits, RG-6G Kit; #23319	2,085.48	314.62
21 24 16 00-0163	EA		Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	988.34	149.14
21 24 16 00-0164	EA		Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	928.63	140.06
21 24 16 00-0165	EA		Wet Chemical System Kits, A Plus Control Box Kit; #23322	750.86	113.25
21 24 16 00-0166	EA		Wet Chemical System Kits, Valve Rebuild Kit; #23210	1,300.08	196.20
21 24 16 00-0167	EA		Wet Chemical System Kits, BMCS-1 Package; #23208	1,191.29	179.73

**21 30 Fire Pumps** <sup>(21)</sup>

**21 31 Centrifugal Fire Pumps** <sup>(21 30)</sup>

21 31 00 00-0001 Electric-Drive, Centrifugal Fire Pumps <sup>(21 31)</sup>

21 31 00 00-0002 Electric-Drive Fire Pumps <sup>(21 31 00 00-0001)</sup>

Note: Includes fire pump and motor, motor starter, panel, and controller.

21 31 00 00-0003	EA	20 HP, 500 GPM, Electric-Drive Fire Pump	For Duplex Pumping System, Add	36,416.08	2,773.39
				33,642.69	

**21 Fire Suppression****21 30 Fire Pumps****21 31 Centrifugal Fire Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 31 00 00-0004	EA		30 HP, 500 GPM, Electric-Drive Fire Pump..... <i>For Duplex Pumping System, Add</i>	42,112.10 39,223.15	3,120.07
21 31 00 00-0005	EA		40 HP, 750 GPM, Electric-Drive Fire Pump..... <i>For Duplex Pumping System, Add</i>	56,637.89 53,427.95	3,466.74
21 31 00 00-0006	EA		50 HP, 1000 GPM, Electric-Drive Fire Pump..... <i>For Duplex Pumping System, Add</i>	69,993.15 66,013.58	3,979.58
21 31 00 00-0007	EA		75 HP, 1000 GPM, Electric-Drive Fire Pump..... <i>For Duplex Pumping System, Add</i>	78,027.88 73,686.52	4,341.37
<b>21 31 00 00-0008</b>			<b>Diesel-Drive, Centrifugal Fire Pumps (21 31)</b>		
<b>21 31 00 00-0009</b>			<b>Diesel-Drive Fire Pumps (21 31 00 00-0008)</b> Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump and motor, motor starter, panel, and controller.		
21 31 00 00-0010	EA		30 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	80,384.69	3,256.03
21 31 00 00-0011	EA		40 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	90,901.83	3,617.80
21 31 00 00-0012	EA		50 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	95,596.27	3,979.58
21 31 00 00-0013	EA		75 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	108,697.98	4,341.37
21 31 00 00-0014	EA		150 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	115,591.58	5,064.93
21 31 00 00-0015	EA		175 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	124,922.34	6,512.04
21 31 00 00-0016	EA		200 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	135,677.81	7,235.61
21 31 00 00-0017	EA		250 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	155,132.33	8,248.59
21 31 00 00-0018	EA		300 HP Diesel Driven Fire Pump, NFPA-20 Specific.....	185,350.07	8,899.80
21 31 00 00-0019	EA		350 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	217,319.15	10,129.85
21 31 00 00-0020	EA		400 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	257,386.32	10,853.41
21 31 00 00-0021	EA		500 HP Diesel Driven Fire Pump , NFPA-20 Specific.....	289,531.18	11,576.97
<b>21 34 Fire Pump Accessories (21 30)</b>					
<b>21 34 13 Pressure Maintenance Pumps (21 34)</b>					
<b>21 34 13 00-0001</b>			<b>Jockey Pumps (21 34 13)</b> Note: Excludes controller		
21 34 13 00-0002	EA		1-1/2 HP, 1-1/2" Pipe Connection, Jockey Pump.....	2,874.77	379.90
21 34 13 00-0003	EA		2 HP, 1-1/2" Pipe Connection, Jockey Pump.....	3,013.10	415.44
21 34 13 00-0004	EA		3 HP, 1-1/2" Pipe Connection, Jockey Pump.....	3,672.43	459.17
21 34 13 00-0005	EA		5 HP, 1-1/2" Pipe Connection, Jockey Pump.....	4,061.58	546.63
21 34 13 00-0006	EA		7.5 HP, 1-1/2" Pipe Connection, Jockey Pump.....	5,888.39	672.35
<b>21 34 13 00-0007</b>			<b>Jockey Pump Controllers (21 34 13)</b>		
21 34 13 00-0008	EA		Up To 2 HP Jockey Pump Controller.....	768.32	109.32
21 34 13 00-0009	EA		>2 To 7.5 HP Jockey Pump Controller.....	1,142.32	109.32
<b>21 40 Fire-Suppression Water Storage (21)</b>					
<b>21 41 Storage Tanks for Fire-Suppression Water (21 40)</b>					
<b>21 41 19 Roof-Mounted Storage Tanks for Fire-Suppression Water (21 41)</b>					
<b>21 41 19 00-0001</b>			<b>Western Yellow Cedar, Roof Mounted Water Storage Tanks (21 41 19)</b> Note: Includes inside ladder, outside ladder, cone cover and cleaning.		
21 41 19 00-0002	EA		3,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	30,837.51	8,712.75
21 41 19 00-0003	EA		6,900 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	63,332.96	16,711.34
21 41 19 00-0004	EA		10,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	85,290.16	20,282.14
21 41 19 00-0005	EA		15,190 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	110,070.19	27,138.08
21 41 19 00-0006	EA		18,200 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	136,796.36	29,851.88
21 41 19 00-0007	EA		20,300 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	149,833.91	32,565.69
21 41 19 00-0008	EA		30,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	170,195.74	33,422.68
21 41 19 00-0009	EA		33,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	184,987.12	33,708.35
21 41 19 00-0010	EA		45,000 Gallon, Western Yellow Cedar, Roof Mounted Water Storage Tank.....	280,432.00	41,706.93
<b>21 41 19 00-0011</b>			<b>Roof Mounted Water Storage Tank Water Level Controls (21 41 19)</b>		
21 41 19 00-0012	EA		Roof Mounted Water Storage Tank Water Level Control..... Note: Abacus water level controls. Includes local controller display unit, FX PCG 2611 controller, FX I/O modules, control transformer, temperature probe, ultrasonic level transmitters, remote station, programming and calibration.	55,325.70	31,238.53
<b>21 41 19 00-0013</b>			<b>Clean, Adjust, Lubricate And Caulk Western Yellow Cedar, Roof Mounted Water Storage Tanks (21 41 19)</b>		
21 41 19 00-0014	EA		Clean, Adjust, Lubricate And Caulk Western Yellow Cedar, Roof Mounted Water Storage Tank.....	820.51	

**END OF SECTION 21**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 22 01 Operation and Maintenance of Plumbing <sup>(22)</sup>

#### 22 01 10 Operation and Maintenance of Plumbing Piping and Pumps <sup>(22 01)</sup>

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

##### 22 01 10 61 Plumbing Piping Repairs <sup>(22 01 10)</sup>

##### 22 01 10 61-0001 Pipe Repair Clamps <sup>(22 01 10 61)</sup>

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	49.86
		Note: Includes neoprene gasket	
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	52.16
		Note: Includes neoprene gasket	
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	57.40
		Note: Includes neoprene gasket	
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	61.36
		Note: Includes neoprene gasket	
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	66.68
		Note: Includes neoprene gasket	
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	85.23
		Note: Includes neoprene gasket	
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	109.53
		Note: Includes neoprene gasket	
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	128.00
		Note: Includes neoprene gasket	
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt.....	146.93
		Note: Includes neoprene gasket	
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	78.05
		Note: Includes neoprene gasket	
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	82.56
		Note: Includes neoprene gasket	
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	91.41
		Note: Includes neoprene gasket	
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	100.48
		Note: Includes neoprene gasket	
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	110.95
		Note: Includes neoprene gasket	
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	143.47
		Note: Includes neoprene gasket	
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	176.08
		Note: Includes neoprene gasket	
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	201.85
		Note: Includes neoprene gasket	
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt.....	229.40
		Note: Includes neoprene gasket	
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	110.28
		Note: Includes Buna rubber gasket	
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	115.16
		Note: Includes Buna rubber gasket	
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	127.29
		Note: Includes Buna rubber gasket	
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	139.63
		Note: Includes Buna rubber gasket	
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	157.70
		Note: Includes Buna rubber gasket	
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	193.60
		Note: Includes Buna rubber gasket	
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	230.25
		Note: Includes Buna rubber gasket	
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	278.11
		Note: Includes Buna rubber gasket	
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	341.37
		Note: Includes Buna rubber gasket	
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	350.82
		Note: Includes Buna rubber gasket	
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt.....	375.72
		Note: Includes Buna rubber gasket	

#### 22 01 40 Operation and Maintenance of Plumbing Fixtures <sup>(22 01)</sup>

##### 22 01 40 81 Plumbing Fixtures Replacement <sup>(22 01 40)</sup>

##### 22 01 40 81-0001 Removal And Replacement Of Fixture And/or Trim <sup>(22 01 40 81)</sup>

Note: Includes removal of existing item(s) and installation of new item(s). See CSI section 22 42 00 00-0000 for faucet replacement installation and demolition prices.

22 01 40 81-0002	EA	Removal And Replacement Of 3/8" To 1/2" Compression Shut-off Valve With 15" Polybutylene Supply Tube.....	76.14
22 01 40 81-0003	EA	Removal And Replacement Of 3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory.....	26.49
22 01 40 81-0004	EA	Removal And Replacement Of Chrome Supply Lines To Sink/Lavatory, Pair.....	36.33
22 01 40 81-0005	EA	Removal And Replacement Of Single Bowl Sink/Lavatory Drain Line.....	51.49
22 01 40 81-0006	EA	Removal And Replacement Of Double Bowl Sink/Lavatory Drain Line.....	79.42
22 01 40 81-0007	EA	Removal And Replacement Of Shower Head, Polished Chrome.....	47.04
22 01 40 81-0008	EA	Removal And Replacement Of Shower Arm.....	50.20

**22 Plumbing**  
**22 01 Operation and Maintenance of Plumbing**  
**22 01 40 Operation and Maintenance of Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0009	EA		Removal And Replacement Of Shower Head.....	57.72	
22 01 40 81-0010	EA		Removal And Replacement Of Shower Knob.....	46.98	
22 01 40 81-0011	EA		Removal And Replacement Of Shower and Tub Control Trim..... Note: Excludes balancing valve.	136.24	
22 01 40 81-0012	EA		Removal And Replacement Of Sink Basket Strainer.....	35.46	
22 01 40 81-0013	EA		Removal And Replacement Of 1-1/2" Sink Drain Without Stopper.....	19.74	
22 01 40 81-0014	EA		Removal And Replacement Of 4-1/2" Sink Drain Without Stopper.....	20.66	
22 01 40 81-0015	EA		Removal And Replacement Of 1-1/2" Sink Drain With Stopper.....	19.74	
22 01 40 81-0016	EA		Removal And Replacement Of 1" Sink Rubber Stopper.....	11.49	
22 01 40 81-0017	EA		Removal And Replacement Of Sink Tailpiece Extension, 1-1/2" x 8".....	34.17	
22 01 40 81-0018	EA		Removal And Replacement Of Sink Trap, Adjustable, 1-1/2".....	54.81	
22 01 40 81-0019	EA		Removal And Replacement Of Lavatory Pop-Up Rod.....	37.04	
22 01 40 81-0020	EA		Removal And Replacement Of Lavatory Pop-up Drain Stopper.....	39.78	
22 01 40 81-0021	EA		Removal And Replacement Of Faucet Handle.....	44.17	
22 01 40 81-0022	EA		Removal And Replacement Of Faucet O-Ring.....	34.48	
22 01 40 81-0023	EA		Removal And Replacement Of 1-1/2" Faucet Hole Cover.....	24.44	
22 01 40 81-0024	EA		Removal And Replacement Of Toilet Ballcock.....	47.36	
22 01 40 81-0025	EA		Removal And Replacement Of Toilet Bowl Ring, Flat Wax..... Note: Excludes removal of toilet.	9.13	
22 01 40 81-0026	EA		Removal And Replacement Of Toilet Tank.....	180.52	
22 01 40 81-0027	EA		Removal And Replacement Of 10" Toilet Bowl.....	236.38	
22 01 40 81-0028	EA		Removal And Replacement Of 10", Low-Flush Watersaver, Toilet Bowl.....	250.79	
22 01 40 81-0029	EA		Removal And Replacement Of 12" Toilet Bowl.....	264.70	
22 01 40 81-0030	EA		Removal And Replacement Of 18", Elongated, Toilet Bowl.....	241.23	
22 01 40 81-0031	EA		Removal And Replacement Of Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers.....	30.93	
22 01 40 81-0032	EA		Toilet Flapper Ball With Chain Replacement.....	21.21	
22 01 40 81-0033	EA		Removal And Replacement Of Toilet Flush Tank Lever.....	23.47	
22 01 40 81-0034	EA		Removal And Replacement Of Elongated Toilet Seat With Lid.....	111.21	
22 01 40 81-0035	EA		Removal And Replacement Of Elongated Toilet Seat Without Lid.....	120.86	
22 01 40 81-0036	EA		Removal And Replacement Of Handicap Toilet Seat, Complete With Rails.....	163.70	
22 01 40 81-0037	EA		Tub Diverter Replacement.....	71.31	
22 01 40 81-0038	EA		Removal And Replacement Of Tub Spout.....	51.65	
22 01 40 81-0039	EA		Removal And Replacement Of 2" Tub Stopper.....	13.58	
22 01 40 81-0040	EA		Removal And Replacement Of Tub Waste/Overflow.....	90.49	
22 01 40 81-0041	EA		Removal And Replacement Of Tub Stem Bonnet Assembly.....	48.93	
22 01 40 81-0042	EA		Removal And Replacement Of Faucet Bonnet.....	52.86	
22 01 40 81-0043	EA		Removal And Replacement Of Faucet Diverter Stem.....	33.59	
22 01 40 81-0044	EA		Removal And Replacement Of Faucet Diverter Stem And Bonnet.....	44.02	
22 01 40 81-0045	EA		Removal And Replacement Of Faucet Spout.....	48.77	
22 01 40 81-0046	EA		Removal And Replacement Of Faucet Stem.....	36.44	

**22 05 Common Work Results for Plumbing** (22)

**22 05 13 Common Motor Requirements for Plumbing Equipment** (22 05)

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

**22 05 16 Expansion Fittings and Loops for Plumbing Piping** (22 05)

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

**22 05 17 Sleeves and Sleeve Seals for Plumbing Piping** (22 05)

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

**22 05 19 Meters and Gages for Plumbing Piping** (22 05)

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

**22 05 23 General-Duty Valves for Plumbing Piping** (22 05)

See CSI section 23 05 23 00-0000 for additional valves.

**22 05 23 00-0001 Gate Valves** (22 05 23)

**22 05 23 00-0002 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valves** (22 05 23 00-0001)

Note: 200 psi cold working pressure.

22 05 23 00-0003	EA	1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	140.03	15.16
		<i>For Work In Restricted Working Space, Add</i>	10.24	
22 05 23 00-0004	EA	3/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	157.77	16.68
		<i>For Work In Restricted Working Space, Add</i>	11.66	
22 05 23 00-0005	EA	1" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	206.58	18.96
		<i>For Work In Restricted Working Space, Add</i>	13.93	
22 05 23 00-0006	EA	1-1/4" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	279.66	20.17
		<i>For Work In Restricted Working Space, Add</i>	15.35	
22 05 23 00-0007	EA	1-1/2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	323.79	23.35
		<i>For Work In Restricted Working Space, Add</i>	17.06	
22 05 23 00-0008	EA	2" Diameter, 200 PSI, Non-Rising Stem, Crimped Bronze Gate Valve.....	444.00	27.60
		<i>For Work In Restricted Working Space, Add</i>	20.47	

**22 05 23 00-0009 Class 125 Brazed Or Soldered Bronze Gate Valves** (22 05 23 00-0001)

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

22 05 23 00-0010	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve.....	104.31	15.16
		<i>For 150 LB Rating, Add</i>	6.02	
		<i>For 200 LB Rating, Add</i>	9.02	
		<i>For Work In Restricted Working Space, Add</i>	13.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0011	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	106.62	15.16
			For 150 LB Rating, Add	6.02	
			For 200 LB Rating, Add	9.02	
			For Work In Restricted Working Space, Add	13.94	
22 05 23 00-0012	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	109.41	15.16
			For 150 LB Rating, Add	6.05	
			For 200 LB Rating, Add	9.08	
			For Work In Restricted Working Space, Add	14.67	
22 05 23 00-0013	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	130.95	16.68
			For 150 LB Rating, Add	6.50	
			For 200 LB Rating, Add	9.75	
			For Work In Restricted Working Space, Add	19.78	
22 05 23 00-0014	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	159.46	18.96
			For 150 LB Rating, Add	7.97	
			For 200 LB Rating, Add	11.95	
			For Work In Restricted Working Space, Add	23.94	
22 05 23 00-0015	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	231.14	20.17
			For 150 LB Rating, Add	13.01	
			For 200 LB Rating, Add	19.51	
			For Work In Restricted Working Space, Add	30.33	
22 05 23 00-0016	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	257.98	23.35
			For 150 LB Rating, Add	14.13	
			For 200 LB Rating, Add	21.20	
			For Work In Restricted Working Space, Add	34.99	
22 05 23 00-0017	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	309.09	27.60
			For 150 LB Rating, Add	17.12	
			For 200 LB Rating, Add	25.69	
			For Work In Restricted Working Space, Add	41.36	
22 05 23 00-0018	EA		2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	682.90	37.28
			For 150 LB Rating, Add	49.67	
			For 200 LB Rating, Add	74.51	
			For Work In Restricted Working Space, Add	55.86	
			For Chain Operated Type, Add	223.52	
22 05 23 00-0019	EA		3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve .....	800.96	43.29
			For 150 LB Rating, Add	58.61	
			For 200 LB Rating, Add	87.92	
			For Work In Restricted Working Space, Add	64.45	
<b>22 05 23 00-0020</b>			<b>Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves</b> <small>(22 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating, 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)		
22 05 23 00-0021	EA		1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	124.35	15.16
			For 150 LB Rating, Add	8.02	
			For 200 LB Rating, Add	12.03	
			For Work In Restricted Working Space, Add	13.25	
22 05 23 00-0022	EA		3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	126.49	15.16
			For 150 LB Rating, Add	8.00	
			For 200 LB Rating, Add	12.00	
			For Work In Restricted Working Space, Add	13.94	
22 05 23 00-0023	EA		1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	146.45	15.16
			For 150 LB Rating, Add	9.75	
			For 200 LB Rating, Add	14.63	
			For Work In Restricted Working Space, Add	14.67	
22 05 23 00-0024	EA		3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	167.99	16.68
			For 150 LB Rating, Add	10.21	
			For 200 LB Rating, Add	15.31	
			For Work In Restricted Working Space, Add	19.78	
22 05 23 00-0025	EA		1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	201.72	18.96
			For 150 LB Rating, Add	12.19	
			For 200 LB Rating, Add	18.29	
			For Work In Restricted Working Space, Add	23.94	
22 05 23 00-0026	EA		1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	288.94	20.17
			For 150 LB Rating, Add	18.79	
			For 200 LB Rating, Add	28.18	
			For Work In Restricted Working Space, Add	30.33	
22 05 23 00-0027	EA		1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	330.68	23.35
			For 150 LB Rating, Add	21.40	
			For 200 LB Rating, Add	32.11	
			For Work In Restricted Working Space, Add	34.99	
22 05 23 00-0028	EA		2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve .....	421.42	27.60
			For 150 LB Rating, Add	28.36	
			For 200 LB Rating, Add	42.54	
			For Work In Restricted Working Space, Add	41.36	
<b>22 05 23 00-0029</b>			<b>Ball Valves</b> <small>(22 05 23)</small>		
<b>22 05 23 00-0030</b>			<b>Crimped Bronze, Ball Valves</b> <small>(22 05 23 00-0029)</small>		
<b>22 05 23 00-0031</b>			<b>Crimped Bronze, 250 PSI, Ball Valves</b> <small>(22 05 23 00-0030)</small>		
			Note: Nibco®		
22 05 23 00-0032	EA		1/2" Crimped Bronze, 250 PSI, Ball Valve .....	98.09	15.16
			For Work In Restricted Working Space, Add	10.24	
22 05 23 00-0033	EA		3/4" Crimped Bronze, 250 PSI, Ball Valve .....	126.02	16.68
			For Work In Restricted Working Space, Add	11.66	
22 05 23 00-0034	EA		1" Crimped Bronze, 250 PSI, Ball Valve .....	161.17	18.96
			For Work In Restricted Working Space, Add	13.93	
22 05 23 00-0035	EA		1-1/4" Crimped Bronze, 250 PSI, Ball Valve .....	256.40	20.17
			For Work In Restricted Working Space, Add	15.35	



**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 23 General-Duty Valves for Plumbing Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 23 00-0036	EA		1-1/2" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	337.08 17.06	23.35
22 05 23 00-0037	EA		2" Crimped Bronze, 250 PSI, Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	505.08 20.47	27.60
<b>22 05 23 00-0038</b>			<b>Crimped Bronze, 200 PSI, Full Port Ball Valves (22 05 23 00-0030)</b>		
22 05 23 00-0039	EA		1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	62.35 10.24	15.16
22 05 23 00-0040	EA		3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	78.53 11.66	16.68
22 05 23 00-0041	EA		1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	95.27 13.93	18.96
22 05 23 00-0042	EA		1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	130.55 15.35	20.17
22 05 23 00-0043	EA		1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	166.76 17.06	23.35
22 05 23 00-0044	EA		2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	243.75 20.47	27.60
<b>22 05 23 00-0045</b>			<b>Crimped Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)</b>		
22 05 23 00-0046	EA		1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	70.75 10.24	15.16
22 05 23 00-0047	EA		3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	84.64 11.66	16.68
22 05 23 00-0048	EA		1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	105.04 13.93	18.96
22 05 23 00-0049	EA		1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	161.07 15.35	20.17
22 05 23 00-0050	EA		1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	232.39 17.06	23.35
22 05 23 00-0051	EA		2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	320.06 20.47	27.60
<b>22 05 23 00-0052</b>			<b>Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves (22 05 23 00-0030)</b>		
22 05 23 00-0053	EA		1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	68.46 10.24	15.16
22 05 23 00-0054	EA		3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	82.50 11.66	16.68
22 05 23 00-0055	EA		1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	100.15 13.93	18.96
<b>22 05 23 00-0056</b>			<b>Check Valves (22 05 23)</b>		
<b>22 05 23 00-0057</b>			<b>Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves (22 05 23 00-0056)</b> Note: Nibco®		
22 05 23 00-0058	EA		1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	181.94 10.24	15.16
22 05 23 00-0059	EA		3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	230.81 11.66	16.68
22 05 23 00-0060	EA		1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	317.81 13.93	18.96
22 05 23 00-0061	EA		1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	421.84 15.35	20.17
22 05 23 00-0062	EA		1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	502.55 17.06	23.35
22 05 23 00-0063	EA		2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve..... <i>For Work In Restricted Working Space, Add</i>	716.90 20.47	27.60
<b>22 05 23 00-0064</b>			<b>Crimped Bronze, 250 PSI, In-Line, Check Valves (22 05 23 00-0056)</b>		
22 05 23 00-0065	EA		1/2" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	55.91 10.24	15.16
22 05 23 00-0066	EA		3/4" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	66.74 11.66	16.68
22 05 23 00-0067	EA		1" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	78.57 13.93	18.96
22 05 23 00-0068	EA		1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	97.65 15.35	20.17
22 05 23 00-0069	EA		1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	122.85 17.06	23.35
22 05 23 00-0070	EA		2" Crimped Bronze, 200 PSI, In-Line Check Valve..... <i>For Work In Restricted Working Space, Add</i>	188.30 20.47	27.60
<b>22 05 23 00-0071</b>			<b>Butterfly Valves (22 05 23)</b>		
<b>22 05 23 00-0072</b>			<b>Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve (22 05 23 00-0071)</b>		
22 05 23 00-0073	EA		2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,328.68 23.88	40.49
22 05 23 00-0074	EA		3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,439.93 28.43	47.01
22 05 23 00-0075	EA		4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve..... <i>For Work In Restricted Working Space, Add</i>	1,801.21 37.53	53.08

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 05 29 Hangers and Supports for Plumbing Piping and Equipment** (22 05)

See CSI section 23 05 29 00-0000 for hangers and supports.

**22 05 33 Heat Tracing for Plumbing Piping** (22 05)

See CSI section 23 83 13 00-0000 for heat tracing cables.

**22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment** (22 05)

**22 05 48 13 Vibration Controls for Plumbing Piping and Equipment** (22 05 48)

See CSI section 23 05 48 13-0000 for vibration and seismic control.

**22 05 53 Identification for Plumbing Piping and Equipment** (22 05)

See CSI section 23 05 53 00-0000 for identification.

**22 05 76 Facility Drainage Piping Cleanouts** (22 05)

**22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover** (22 05 76)

Note: For floor installation.

**22 05 76 00-0002 Cast Iron Cleanout With Plug And Round Or Square Cover** (22 05 76 00-0001)

22 05 76 00-0003	EA 2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	740.47		80.67
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0004	EA 3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	805.40		101.14
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0005	EA 4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,004.19		122.22
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0006	EA 5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,426.60		136.77
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0007	EA 6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,748.41		148.15
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		

**22 05 76 00-0008 Cast Iron Heavy Duty Cleanout With Plug And Round Cover** (22 05 76 00-0001)

22 05 76 00-0009	EA 2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	848.74		80.67
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0010	EA 3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	915.39		101.14
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0011	EA 4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,114.18		122.22
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		
22 05 76 00-0012	EA 5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,536.59		136.77
	For Vandal Proof, Add	19.50		
	For Galvanized Ferrule, Add	45.00		
	For Carpet Marker, Add	16.00		
	For Carpet Flange, Add	58.50		
	For Wide Flange, Add	97.00		
	For Satin Bronze Top, Deduct	-24.00		

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0013	EA		6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover.....	1,858.40	148.15
			<i>For Vandal Proof, Add</i>	19.50	
			<i>For Galvanized Ferrule, Add</i>	45.00	
			<i>For Carpet Marker, Add</i>	16.00	
			<i>For Carpet Flange, Add</i>	58.50	
			<i>For Wide Flange, Add</i>	97.00	
			<i>For Satin Bronze Top, Deduct</i>	-24.00	
22 05 76 00-0014			Wall Cover For Cleanout (22 05 76) Note: Cover and screw only.		
22 05 76 00-0015			Round Access Cover, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0016	EA		4-1/4" Diameter Wall Cover For Cleanout, Screwed.....	115.86	25.32
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0017	EA		5-1/2" Diameter Wall Cover For Cleanout, Screwed.....	125.97	30.33
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0018	EA		7" Diameter Wall Cover For Cleanout, Screwed.....	159.31	34.12
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0019	EA		9-1/4" Diameter Wall Cover For Cleanout, Screwed.....	263.14	37.91
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0020	EA		11-1/4" Diameter Wall Cover For Cleanout, Screwed.....	391.03	41.70
			<i>For Stainless Steel, Add</i>	9.00	
			<i>For Vandal Proof Screws, Add</i>	19.50	
22 05 76 00-0021			Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0022	EA		7" x 7" Bronze Wall Or Floor Access Cover.....	574.46	25.32
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0023	EA		9" x 9" Bronze Wall Or Floor Access Cover.....	824.39	26.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0024	EA		10" x 10" Bronze Wall Or Floor Access Cover.....	880.77	28.05
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0025	EA		14" x 14" Bronze Wall Or Floor Access Cover.....	985.38	31.84
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0026			Secured Square Wall Access Panel, Bronze Polished Top (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0027	EA		6" x 6" Bronze Secured Wall Access Panel.....	584.48	25.32
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0028	EA		8" x 8" Bronze Secured Wall Access Panel.....	839.14	26.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0029	EA		10" x 10" Bronze Secured Wall Access Panel.....	896.56	28.05
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0030	EA		12" x 12" Bronze Secured Wall Access Panel.....	1,003.01	31.84
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0031			Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated (22 05 76 00-0014) Note: Cover and screw only.		
22 05 76 00-0032	EA		6" x 6" Bronze Secured Hinged Access Panel, Scoriated.....	567.18	25.32
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0033	EA		8" x 8" Bronze Secured Hinged Access Panel, Scoriated.....	782.29	26.54
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0034	EA		10" x 10" Bronze Secured Hinged Access Panel, Scoriated.....	1,106.67	28.05
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0035	EA		12" x 12" Bronze Secured Hinged Access Panel, Scoriated.....	1,339.19	31.84
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Nickel Bronze, Add</i>	22.50	
22 05 76 00-0036			Cast Iron Cleanout Tee (22 05 76)		
22 05 76 00-0037			Cast Iron Cleanout Tee And Round Access Cover (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0038	EA		2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	545.83	80.67
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	
22 05 76 00-0039	EA		3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover.....	626.68	100.99
			<i>For Vandal Proof Screws, Add</i>	19.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	88.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0040	EA		4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	814.98 19.50 88.80	122.22
22 05 76 00-0041	EA		6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,898.03 19.50 88.80	148.15
<b>22 05 76 00-0042</b>			<b>Cast Iron Cleanout Tee And Square Access Cover</b> (22 05 76 00-0036) Note: Satin smooth secured cover.		
22 05 76 00-0043	EA		2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	930.35 19.50 88.80	80.67
22 05 76 00-0044	EA		3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,011.21 19.50 88.80	100.99
22 05 76 00-0045	EA		4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	1,173.99 19.50 88.80	122.22
22 05 76 00-0046	EA		6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover..... <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	2,417.41 19.50 88.80	148.15
<b>22 05 76 00-0047</b>			<b>Cast Iron Cleanout Tee With Brass Plug</b> (22 05 76 00-0036)		
22 05 76 00-0048	EA		2" Cleanout Tee With Cast Bronze Screw Plug.....	447.30	65.96
22 05 76 00-0049	EA		3" Cleanout Tee With Cast Bronze Screw Plug.....	499.53	72.02
22 05 76 00-0050	EA		4" Cleanout Tee With Cast Bronze Screw Plug.....	665.35	94.77
22 05 76 00-0051	EA		5" Cleanout Tee With Cast Bronze Screw Plug.....	990.07	112.21
22 05 76 00-0052	EA		6" Cleanout Tee With Cast Bronze Screw Plug.....	1,669.05	132.68
<b>22 05 76 00-0053</b>			<b>Removable Cleanout Plug</b> (22 05 76)		
<b>22 05 76 00-0054</b>			<b>Threaded Bronze Plugs</b> (22 05 76 00-0053)		
22 05 76 00-0055	EA		1-1/4", 1-1/2" Or 2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	89.52 9.50	18.96
22 05 76 00-0056	EA		2-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	106.60 9.50	20.62
22 05 76 00-0057	EA		3" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	178.93 9.50	22.75
22 05 76 00-0058	EA		3-1/2" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	200.57 9.50	26.54
22 05 76 00-0059	EA		4" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	226.88 9.50	30.33
22 05 76 00-0060	EA		5" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	316.35 9.50	34.12
22 05 76 00-0061	EA		6" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	461.97 9.50	37.91
22 05 76 00-0062	EA		8" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	773.57 9.50	41.70
22 05 76 00-0063	EA		10" Threaded Bronze Plug..... <i>For Plug Tapped For Center Screw, Add</i>	1,108.68 9.50	45.49
<b>22 05 76 00-0064</b>			<b>Threaded Brass Plugs</b> (22 05 76 00-0053)		
22 05 76 00-0065	EA		1-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	41.37 9.50	18.95
22 05 76 00-0066	EA		2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	41.98 9.50	18.95
22 05 76 00-0067	EA		2-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	45.70 9.50	20.62
22 05 76 00-0068	EA		3" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	51.56 9.50	22.74
22 05 76 00-0069	EA		3-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	60.78 9.50	26.54
22 05 76 00-0070	EA		4" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	71.09 9.50	30.33
22 05 76 00-0071	EA		4-1/2" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	76.22 9.50	31.94
22 05 76 00-0072	EA		5" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	81.73 9.50	34.12
22 05 76 00-0073	EA		6" Threaded Brass Plug, Raised Head..... <i>For Plug Tapped For Center Screw, Add</i>	103.94 9.50	37.91
22 05 76 00-0074	EA		1-1/2" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	40.90 9.50	18.95
22 05 76 00-0075	EA		2" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	41.57 9.50	18.95
22 05 76 00-0076	EA		2-1/2" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	47.01 9.50	20.62
22 05 76 00-0077	EA		3" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	51.75 9.50	22.75
22 05 76 00-0078	EA		3-1/2" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	60.22 9.50	26.54
22 05 76 00-0079	EA		4" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	70.20 9.50	30.33
22 05 76 00-0080	EA		5" Threaded Brass Plug, Countersunk Head..... <i>For Plug Tapped For Center Screw, Add</i>	81.25 9.50	34.12

**22 Plumbing****22 05 Common Work Results for Plumbing****22 05 76 Facility Drainage Piping Cleanouts**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head For Plug Tapped For Center Screw, Add	96.09 9.50	37.91
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**22 07 Plumbing Insulation** <sup>(22)</sup>**22 07 16 Plumbing Equipment Insulation** <sup>(22 07)</sup>

22 07 16 00-0001		Lavatory Insulation <sup>(22 07 16)</sup>		
22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	373.09	31.06

**22 07 19 Plumbing Piping Insulation** <sup>(22 07)</sup>

22 07 19 00-0001		Fiberglass (Glass Fiber) Pipe Insulation <sup>(22 07 19)</sup> Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.		
22 07 19 00-0002		1/2" Thick Fiberglass Pipe Insulation <sup>(22 07 19 00-0001)</sup>		
22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	10.15 2.46	3.04
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	10.36 2.46	3.04
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	11.02 2.61	3.18
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	11.41 2.66	3.31
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	11.73 2.71	3.31
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	12.42 2.86	3.45
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	13.00 2.91	3.59
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	13.73 3.01	3.72
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	15.57 3.25	4.00
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	18.39 3.80	4.69
22 07 19 00-0013		1" Thick Fiberglass Pipe Insulation <sup>(22 07 19 00-0001)</sup>		
22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	13.65 3.40	4.14
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	13.98 3.40	4.14
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	14.19 3.45	4.14
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	14.71 3.50	4.28
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	15.10 3.55	4.28
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	15.72 3.65	4.42
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	16.59 3.80	4.69
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	17.43 3.89	4.83
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	19.71 4.19	5.10
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	22.78 4.73	5.93
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	28.11 5.42	6.63
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	33.05 6.41	7.87
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	37.93 7.39	8.97
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	40.91 7.65	9.79
22 07 19 00-0028		1-1/2" Thick Fiberglass Pipe Insulation <sup>(22 07 19 00-0001)</sup>		
22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	16.49 3.54	4.27
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	16.70 3.54	4.27
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	17.66 3.76	4.51
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	18.28 3.83	4.61
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) For Work In Restricted Working Space, Add	18.82 3.90	4.69



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0034	LF		2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	20.06 4.11	4.94
22 07 19 00-0035	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	20.93 4.16	5.02
22 07 19 00-0036	LF		3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	21.60 4.32	5.20
22 07 19 00-0037	LF		4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	23.83 4.67	5.63
22 07 19 00-0038	LF		6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	27.61 5.46	6.57
22 07 19 00-0039	LF		8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	30.99 5.76	6.93
22 07 19 00-0040	LF		10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	37.85 6.99	8.29
22 07 19 00-0041	LF		12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	42.95 8.03	9.66
22 07 19 00-0042	LF		14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	48.07 8.80	10.58
<b>22 07 19 00-0043</b>			<b>2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0044	LF		1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	20.32 3.89	4.69
22 07 19 00-0045	LF		3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	20.57 3.89	4.69
22 07 19 00-0046	LF		1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	21.25 3.94	4.83
22 07 19 00-0047	LF		1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	21.87 3.99	4.83
22 07 19 00-0048	LF		1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	22.54 4.04	4.97
22 07 19 00-0049	LF		2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	23.39 4.19	5.10
22 07 19 00-0050	LF		2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	24.57 4.34	5.25
22 07 19 00-0051	LF		3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	25.86 4.49	5.52
22 07 19 00-0052	LF		4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	28.28 4.73	5.80
22 07 19 00-0053	LF		6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	33.44 5.68	6.81
22 07 19 00-0054	LF		8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	37.92 5.99	7.19
22 07 19 00-0055	LF		10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	45.38 7.17	8.59
22 07 19 00-0056	LF		12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	52.21 8.59	10.31
22 07 19 00-0057	LF		14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	66.60 11.98	11.25
22 07 19 00-0058	LF		16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	70.30 11.98	13.18
22 07 19 00-0059	LF		18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	78.01 12.58	13.84
22 07 19 00-0060	LF		20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	88.41 14.38	15.82
22 07 19 00-0061	LF		24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	102.79 17.37	19.11
<b>22 07 19 00-0062</b>			<b>2-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0063	LF		1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	25.18 4.49	5.52
22 07 19 00-0064	LF		3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	25.53 4.49	5.52
22 07 19 00-0065	LF		1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	26.54 4.56	5.52
22 07 19 00-0066	LF		1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	27.28 4.60	5.66
22 07 19 00-0067	LF		1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	28.06 4.63	5.66
22 07 19 00-0068	LF		2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	29.22 4.82	5.93
22 07 19 00-0069	LF		2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	30.86 4.99	6.07
22 07 19 00-0070	LF		3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	32.36 5.17	6.34
22 07 19 00-0071	LF		4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	35.78 5.45	6.63
22 07 19 00-0072	LF		6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	41.01 6.19	7.04
22 07 19 00-0073	LF		8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	54.71 6.90	8.42
22 07 19 00-0074	LF		10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	65.33 7.96	9.66
22 07 19 00-0075	LF		12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	74.29 9.89	12.00
22 07 19 00-0076	LF		14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ) <i>For Work In Restricted Working Space, Add</i>	83.99 10.80	13.25



**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0077	LF		16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	98.90	16.83
			<i>For Work In Restricted Working Space, Add</i>	13.80	
22 07 19 00-0078	LF		18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	106.33	17.66
			<i>For Work In Restricted Working Space, Add</i>	14.49	
22 07 19 00-0079	LF		20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	120.68	20.15
			<i>For Work In Restricted Working Space, Add</i>	16.56	
22 07 19 00-0080	LF		24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	141.96	24.35
			<i>For Work In Restricted Working Space, Add</i>	20.01	
<b>22 07 19 00-0081</b>			<b>3" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0082	LF		1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	27.76	6.10
			<i>For Work In Restricted Working Space, Add</i>	4.97	
22 07 19 00-0083	LF		3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	28.14	6.10
			<i>For Work In Restricted Working Space, Add</i>	4.97	
22 07 19 00-0084	LF		1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.17	6.15
			<i>For Work In Restricted Working Space, Add</i>	5.02	
22 07 19 00-0085	LF		1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.98	6.19
			<i>For Work In Restricted Working Space, Add</i>	5.06	
22 07 19 00-0086	LF		1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.88	6.26
			<i>For Work In Restricted Working Space, Add</i>	5.11	
22 07 19 00-0087	LF		2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.09	6.50
			<i>For Work In Restricted Working Space, Add</i>	5.30	
22 07 19 00-0088	LF		2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.90	6.72
			<i>For Work In Restricted Working Space, Add</i>	5.48	
22 07 19 00-0089	LF		3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.53	6.97
			<i>For Work In Restricted Working Space, Add</i>	5.68	
22 07 19 00-0090	LF		4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.31	7.35
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 07 19 00-0091	LF		6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	45.06	8.35
			<i>For Work In Restricted Working Space, Add</i>	6.81	
22 07 19 00-0092	LF		8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	60.08	9.30
			<i>For Work In Restricted Working Space, Add</i>	7.59	
22 07 19 00-0093	LF		10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	71.77	10.74
			<i>For Work In Restricted Working Space, Add</i>	8.75	
22 07 19 00-0094	LF		12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	81.62	13.34
			<i>For Work In Restricted Working Space, Add</i>	10.88	
22 07 19 00-0095	LF		14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	92.27	14.58
			<i>For Work In Restricted Working Space, Add</i>	11.88	
22 07 19 00-0096	LF		16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	108.64	18.62
			<i>For Work In Restricted Working Space, Add</i>	15.18	
22 07 19 00-0097	LF		18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	116.83	19.56
			<i>For Work In Restricted Working Space, Add</i>	15.94	
22 07 19 00-0098	LF		20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	132.60	22.36
			<i>For Work In Restricted Working Space, Add</i>	18.23	
22 07 19 00-0099	LF		24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	155.98	26.99
			<i>For Work In Restricted Working Space, Add</i>	22.01	
<b>22 07 19 00-0100</b>			<b>3-1/2" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
22 07 19 00-0101	LF		1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	29.95	6.63
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0102	LF		3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	30.39	6.63
			<i>For Work In Restricted Working Space, Add</i>	5.45	
22 07 19 00-0103	LF		1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	31.88	6.63
			<i>For Work In Restricted Working Space, Add</i>	5.48	
22 07 19 00-0104	LF		1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	32.72	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.52	
22 07 19 00-0105	LF		1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.76	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.59	
22 07 19 00-0106	LF		2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.02	7.04
			<i>For Work In Restricted Working Space, Add</i>	5.78	
22 07 19 00-0107	LF		2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.99	7.31
			<i>For Work In Restricted Working Space, Add</i>	5.98	
22 07 19 00-0108	LF		3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.68	7.60
			<i>For Work In Restricted Working Space, Add</i>	6.19	
22 07 19 00-0109	LF		4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	42.96	8.01
			<i>For Work In Restricted Working Space, Add</i>	6.54	
22 07 19 00-0110	LF		6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	49.20	9.11
			<i>For Work In Restricted Working Space, Add</i>	7.43	
22 07 19 00-0111	LF		8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	65.61	10.08
			<i>For Work In Restricted Working Space, Add</i>	8.27	
22 07 19 00-0112	LF		10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	78.39	11.59
			<i>For Work In Restricted Working Space, Add</i>	9.55	
22 07 19 00-0113	LF		12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	89.13	14.49
			<i>For Work In Restricted Working Space, Add</i>	11.87	
22 07 19 00-0114	LF		14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	100.80	15.88
			<i>For Work In Restricted Working Space, Add</i>	12.96	
22 07 19 00-0115	LF		16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	118.69	20.15
			<i>For Work In Restricted Working Space, Add</i>	16.56	
22 07 19 00-0116	LF		18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	127.60	21.25
			<i>For Work In Restricted Working Space, Add</i>	17.39	
22 07 19 00-0117	LF		20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	144.88	24.29
			<i>For Work In Restricted Working Space, Add</i>	19.89	
22 07 19 00-0118	LF		24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	170.38	29.26
			<i>For Work In Restricted Working Space, Add</i>	24.02	

	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

<b>22 07 19 00-0119</b>		<b>4" Thick Fiberglass Pipe Insulation (22 07 19 00-0001)</b>		
	22 07 19 00-0120	LF 1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	33.93	7.45
		For Work In Restricted Working Space, Add	6.05	
	22 07 19 00-0121	LF 3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	34.42	7.45
		For Work In Restricted Working Space, Add	6.05	
	22 07 19 00-0122	LF 1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	35.80	7.45
		For Work In Restricted Working Space, Add	6.16	
	22 07 19 00-0123	LF 1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	36.90	7.60
		For Work In Restricted Working Space, Add	6.23	
	22 07 19 00-0124	LF 1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	38.42	7.87
		For Work In Restricted Working Space, Add	6.42	
	22 07 19 00-0125	LF 2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	39.82	8.14
		For Work In Restricted Working Space, Add	6.62	
	22 07 19 00-0126	LF 2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	41.59	8.14
		For Work In Restricted Working Space, Add	6.72	
	22 07 19 00-0127	LF 3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	43.68	8.55
		For Work In Restricted Working Space, Add	6.97	
	22 07 19 00-0128	LF 4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	48.29	8.97
		For Work In Restricted Working Space, Add	7.36	
	22 07 19 00-0129	LF 6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	55.33	10.22
		For Work In Restricted Working Space, Add	8.35	
	22 07 19 00-0130	LF 8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	73.82	11.05
		For Work In Restricted Working Space, Add	9.31	
	22 07 19 00-0131	LF 10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	88.20	13.11
		For Work In Restricted Working Space, Add	10.75	
	22 07 19 00-0132	LF 12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	100.30	16.29
		For Work In Restricted Working Space, Add	13.35	
	22 07 19 00-0133	LF 14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	113.43	17.80
		For Work In Restricted Working Space, Add	14.59	
	22 07 19 00-0134	LF 16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	133.59	22.78
		For Work In Restricted Working Space, Add	18.65	
	22 07 19 00-0135	LF 18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	143.49	23.88
		For Work In Restricted Working Space, Add	19.55	
	22 07 19 00-0136	LF 20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	160.93	27.33
		For Work In Restricted Working Space, Add	22.37	
	22 07 19 00-0137	LF 24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ).....	191.70	32.98
		For Work In Restricted Working Space, Add	27.02	

**22 07 19 00-0138**      **Foamglas (Cellular Glass) Pipe Insulation, Rigid, Closed Cell (22 07 19)**  
 Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

<b>22 07 19 00-0139</b>		<b>1" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
	22 07 19 00-0140	LF 1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	23.76	6.74
		For Work In Restricted Working Space, Add	6.12	
	22 07 19 00-0141	LF 3/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	24.61	6.74
		For Work In Restricted Working Space, Add	6.12	
	22 07 19 00-0142	LF 1" Diameter Pipe, 1" Thick Foamglas Insulation.....	25.77	6.83
		For Work In Restricted Working Space, Add	6.21	
	22 07 19 00-0143	LF 1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation.....	26.35	6.93
		For Work In Restricted Working Space, Add	6.30	
	22 07 19 00-0144	LF 1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	27.22	7.02
		For Work In Restricted Working Space, Add	6.39	
	22 07 19 00-0145	LF 2" Diameter Pipe, 1" Thick Foamglas Insulation.....	28.91	7.22
		For Work In Restricted Working Space, Add	6.57	
	22 07 19 00-0146	LF 2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation.....	31.03	7.52
		For Work In Restricted Working Space, Add	6.84	
	22 07 19 00-0147	LF 3" Diameter Pipe, 1" Thick Foamglas Insulation.....	33.29	7.72
		For Work In Restricted Working Space, Add	7.01	
	22 07 19 00-0148	LF 4" Diameter Pipe, 1" Thick Foamglas Insulation.....	38.21	8.29
		For Work In Restricted Working Space, Add	7.55	
	22 07 19 00-0149	LF 6" Diameter Pipe, 1" Thick Foamglas Insulation.....	48.11	9.36
		For Work In Restricted Working Space, Add	8.51	

<b>22 07 19 00-0150</b>		<b>1-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
	22 07 19 00-0151	LF 1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	27.82	7.46
		For Work In Restricted Working Space, Add	6.57	
	22 07 19 00-0152	LF 3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	28.36	7.46
		For Work In Restricted Working Space, Add	6.57	
	22 07 19 00-0153	LF 1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	29.20	7.57
		For Work In Restricted Working Space, Add	6.65	
	22 07 19 00-0154	LF 1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	29.87	7.66
		For Work In Restricted Working Space, Add	6.74	
	22 07 19 00-0155	LF 1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	30.52	7.77
		For Work In Restricted Working Space, Add	6.83	
	22 07 19 00-0156	LF 2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	32.93	8.02
		For Work In Restricted Working Space, Add	7.06	
	22 07 19 00-0157	LF 2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	36.97	8.32
		For Work In Restricted Working Space, Add	7.32	
	22 07 19 00-0158	LF 3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	40.58	8.57
		For Work In Restricted Working Space, Add	7.55	
	22 07 19 00-0159	LF 4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation.....	45.71	9.12
		For Work In Restricted Working Space, Add	8.03	

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 07 19 00-0160	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	53.67	10.34
		<i>For Work In Restricted Working Space, Add</i>	9.09	
22 07 19 00-0161	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	60.01	11.53
		<i>For Work In Restricted Working Space, Add</i>	10.14	
22 07 19 00-0162	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	72.53	13.29
		<i>For Work In Restricted Working Space, Add</i>	11.69	
22 07 19 00-0163	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	86.34	16.52
		<i>For Work In Restricted Working Space, Add</i>	14.53	
22 07 19 00-0164	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	95.79	17.38
		<i>For Work In Restricted Working Space, Add</i>	15.79	
22 07 19 00-0165	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	105.56	19.41
		<i>For Work In Restricted Working Space, Add</i>	17.64	
22 07 19 00-0166	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	120.03	22.95
		<i>For Work In Restricted Working Space, Add</i>	20.87	
22 07 19 00-0167	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	134.00	25.41
		<i>For Work In Restricted Working Space, Add</i>	23.10	
22 07 19 00-0168	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	165.84	28.15
		<i>For Work In Restricted Working Space, Add</i>	25.59	

**22 07 19 00-0169 2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)**

22 07 19 00-0170	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	31.12	7.72
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 07 19 00-0171	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	31.96	7.72
		<i>For Work In Restricted Working Space, Add</i>	7.01	
22 07 19 00-0172	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	33.06	7.80
		<i>For Work In Restricted Working Space, Add</i>	7.10	
22 07 19 00-0173	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	34.68	7.91
		<i>For Work In Restricted Working Space, Add</i>	7.19	
22 07 19 00-0174	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	36.31	8.01
		<i>For Work In Restricted Working Space, Add</i>	7.28	
22 07 19 00-0175	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	40.33	8.29
		<i>For Work In Restricted Working Space, Add</i>	7.55	
22 07 19 00-0176	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	42.25	8.59
		<i>For Work In Restricted Working Space, Add</i>	7.81	
22 07 19 00-0177	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	45.20	8.88
		<i>For Work In Restricted Working Space, Add</i>	8.07	
22 07 19 00-0178	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	50.64	9.37
		<i>For Work In Restricted Working Space, Add</i>	8.52	
22 07 19 00-0179	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	60.35	10.64
		<i>For Work In Restricted Working Space, Add</i>	9.67	
22 07 19 00-0180	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	67.18	11.87
		<i>For Work In Restricted Working Space, Add</i>	10.79	
22 07 19 00-0181	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	81.47	13.68
		<i>For Work In Restricted Working Space, Add</i>	12.44	
22 07 19 00-0182	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	100.93	17.01
		<i>For Work In Restricted Working Space, Add</i>	15.46	
22 07 19 00-0183	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	107.99	18.56
		<i>For Work In Restricted Working Space, Add</i>	16.87	
22 07 19 00-0184	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	128.36	23.72
		<i>For Work In Restricted Working Space, Add</i>	21.57	
22 07 19 00-0185	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	139.58	24.91
		<i>For Work In Restricted Working Space, Add</i>	22.64	
22 07 19 00-0186	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	154.76	28.48
		<i>For Work In Restricted Working Space, Add</i>	25.88	
22 07 19 00-0187	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	193.62	34.40
		<i>For Work In Restricted Working Space, Add</i>	31.28	

**22 07 19 00-0188 2-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)**

22 07 19 00-0189	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	37.40	8.36
		<i>For Work In Restricted Working Space, Add</i>	7.60	
22 07 19 00-0190	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	38.80	8.35
		<i>For Work In Restricted Working Space, Add</i>	7.59	
22 07 19 00-0191	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	40.66	8.48
		<i>For Work In Restricted Working Space, Add</i>	7.72	
22 07 19 00-0192	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	42.28	8.55
		<i>For Work In Restricted Working Space, Add</i>	7.78	
22 07 19 00-0193	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	43.91	8.62
		<i>For Work In Restricted Working Space, Add</i>	7.84	
22 07 19 00-0194	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	46.97	8.97
		<i>For Work In Restricted Working Space, Add</i>	8.16	
22 07 19 00-0195	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	49.89	9.29
		<i>For Work In Restricted Working Space, Add</i>	8.44	
22 07 19 00-0196	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	53.99	9.60
		<i>For Work In Restricted Working Space, Add</i>	8.74	
22 07 19 00-0197	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	60.27	10.13
		<i>For Work In Restricted Working Space, Add</i>	9.21	
22 07 19 00-0198	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	71.85	11.53
		<i>For Work In Restricted Working Space, Add</i>	10.48	
22 07 19 00-0199	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	80.07	12.85
		<i>For Work In Restricted Working Space, Add</i>	11.68	
22 07 19 00-0200	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	91.41	14.81
		<i>For Work In Restricted Working Space, Add</i>	13.47	
22 07 19 00-0201	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	113.81	18.41
		<i>For Work In Restricted Working Space, Add</i>	16.74	
22 07 19 00-0202	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	119.00	20.09
		<i>For Work In Restricted Working Space, Add</i>	18.27	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0203 LF 16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	141.04 23.35	25.68
22 07 19 00-0204 LF 18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	153.02 24.52	26.97
22 07 19 00-0205 LF 20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	175.87 28.02	30.82
22 07 19 00-0206 LF 24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation..... <i>For Work In Restricted Working Space, Add</i>	219.75 33.86	37.25
<b>22 07 19 00-0207 3" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0208 LF 1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	44.74 8.09	8.89
22 07 19 00-0209 LF 3/4" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.60 8.09	8.89
22 07 19 00-0210 LF 1" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	46.90 8.22	9.04
22 07 19 00-0211 LF 1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	47.95 8.27	9.10
22 07 19 00-0212 LF 1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	49.04 8.34	9.18
22 07 19 00-0213 LF 2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	52.59 8.68	9.55
22 07 19 00-0214 LF 2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	55.99 8.98	9.89
22 07 19 00-0215 LF 3" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	63.26 9.30	10.23
22 07 19 00-0216 LF 4" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	71.88 9.80	10.78
22 07 19 00-0217 LF 6" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	78.87 11.14	12.26
22 07 19 00-0218 LF 8" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	89.01 12.43	13.67
22 07 19 00-0219 LF 10" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	106.00 14.33	15.77
22 07 19 00-0220 LF 12" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	123.57 17.81	19.59
22 07 19 00-0221 LF 14" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	132.45 19.44	21.37
22 07 19 00-0222 LF 16" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	158.73 24.84	27.33
22 07 19 00-0223 LF 18" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	169.74 26.09	28.70
22 07 19 00-0224 LF 20" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	198.65 29.81	32.79
22 07 19 00-0225 LF 24" Diameter Pipe, 3" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	242.68 36.02	39.62
<b>22 07 19 00-0226 3-1/2" Thick Foamglas Pipe Insulation (22 07 19 00-0138)</b>		
22 07 19 00-0227 LF 1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	53.91 9.80	10.78
22 07 19 00-0228 LF 3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	54.99 9.80	10.78
22 07 19 00-0229 LF 1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	56.28 9.87	10.84
22 07 19 00-0230 LF 1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	57.55 9.93	10.91
22 07 19 00-0231 LF 1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	59.06 10.05	11.06
22 07 19 00-0232 LF 2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	64.74 10.40	11.44
22 07 19 00-0233 LF 2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	70.48 10.76	11.84
22 07 19 00-0234 LF 3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	74.37 11.14	12.26
22 07 19 00-0235 LF 4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	79.58 11.78	12.96
22 07 19 00-0236 LF 6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	91.54 13.37	14.72
22 07 19 00-0237 LF 8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	104.00 14.90	16.38
22 07 19 00-0238 LF 10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	124.16 17.19	18.91
22 07 19 00-0239 LF 12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	147.08 21.36	23.50
22 07 19 00-0240 LF 14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	153.80 23.33	25.66
22 07 19 00-0241 LF 16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	185.01 29.81	32.79
22 07 19 00-0242 LF 18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	202.83 31.30	34.44
22 07 19 00-0243 LF 20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	231.00 35.81	39.38
22 07 19 00-0244 LF 24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation ..... <i>For Work In Restricted Working Space, Add</i>	283.39 43.23	47.55



**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0245			<b>4" Thick Foamglas Pipe Insulation</b> (22 07 19 00-0138)		
22 07 19 00-0246	LF		1/2" Diameter Pipe, 4" Thick Foamglas Insulation ..... 65.69	12.04	13.25
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0247	LF		3/4" Diameter Pipe, 4" Thick Foamglas Insulation ..... 67.07	12.04	13.25
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0248	LF		1" Diameter Pipe, 4" Thick Foamglas Insulation ..... 69.15	12.25	13.47
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0249	LF		1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation ..... 71.00	12.39	13.64
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0250	LF		1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation ..... 73.70	12.78	14.06
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0251	LF		2" Diameter Pipe, 4" Thick Foamglas Insulation ..... 79.40	13.18	14.49
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0252	LF		2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation ..... 84.44	13.38	14.73
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0253	LF		3" Diameter Pipe, 4" Thick Foamglas Insulation ..... 88.60	13.88	15.26
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0254	LF		4" Diameter Pipe, 4" Thick Foamglas Insulation ..... 96.93	15.47	17.02
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0255	LF		6" Diameter Pipe, 4" Thick Foamglas Insulation ..... 111.70	16.62	18.28
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0256	LF		8" Diameter Pipe, 4" Thick Foamglas Insulation ..... 125.87	18.02	19.82
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0257	LF		10" Diameter Pipe, 4" Thick Foamglas Insulation ..... 144.41	21.41	23.54
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0258	LF		12" Diameter Pipe, 4" Thick Foamglas Insulation ..... 169.23	26.58	29.24
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0259	LF		14" Diameter Pipe, 4" Thick Foamglas Insulation ..... 184.06	29.04	31.93
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0260	LF		16" Diameter Pipe, 4" Thick Foamglas Insulation ..... 219.36	37.13	40.84
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0261	LF		18" Diameter Pipe, 4" Thick Foamglas Insulation ..... 243.27	38.91	42.80
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0262	LF		20" Diameter Pipe, 4" Thick Foamglas Insulation ..... 273.00	44.53	48.98
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0263	LF		24" Diameter Pipe, 4" Thick Foamglas Insulation ..... 345.37	53.80	59.18
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0264			<b>Flexible Polyethylene Tubing Closed Cell Foam Insulation</b> (22 07 19)		
			Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
22 07 19 00-0265			<b>3/8" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0266	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 8.78	2.48	4.13
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0267	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 8.79	2.48	4.13
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0268	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 9.14	2.57	4.28
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0269	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 9.52	2.66	4.42
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0270	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 9.86	2.70	4.50
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0271	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 10.25	2.74	4.57
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0272	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 10.41	2.75	4.57
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0273	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 10.84	2.77	4.57
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0274	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 11.71	2.85	4.71
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0275	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 12.09	2.89	4.79
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0276			<b>1/2" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0277	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 9.74	2.70	4.50
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0278	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 9.85	2.72	4.50
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0279	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 10.01	2.74	4.57
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0280	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 10.20	2.76	4.60
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0281	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 10.70	2.83	4.71
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0282	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 11.11	2.87	4.79
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0283	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 11.57	2.91	4.86
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0284	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 12.15	2.96	4.92
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0285	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 13.16	3.05	5.08
			<i>For Work In Restricted Working Space, Add</i>		
22 07 19 00-0286	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation ..... 14.18	3.09	5.14
			<i>For Work In Restricted Working Space, Add</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0287	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.14 3.13	5.21
22 07 19 00-0288	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.73 3.17	5.29
<b>22 07 19 00-0289</b>			<b>3/4" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0290	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.82 2.91	4.86
22 07 19 00-0291	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.96 2.96	4.92
22 07 19 00-0292	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.66 3.05	5.08
22 07 19 00-0293	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.96 3.09	5.14
22 07 19 00-0294	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.80 3.17	5.29
22 07 19 00-0295	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.65 3.22	5.37
22 07 19 00-0296	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	14.04 3.24	5.40
22 07 19 00-0297	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.58 3.26	5.44
22 07 19 00-0298	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.75 3.35	5.58
22 07 19 00-0299	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.89 3.39	5.66
22 07 19 00-0300	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.42 3.44	5.73
22 07 19 00-0301	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	20.07 3.48	5.80
<b>22 07 19 00-0302</b>			<b>1" Wall Flexible Polyethylene Tubing Foam Insulation</b> (22 07 19 00-0264)		
22 07 19 00-0303	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.30 3.22	5.37
22 07 19 00-0304	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.61 3.26	5.44
22 07 19 00-0305	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.59 3.35	5.58
22 07 19 00-0306	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	13.89 3.39	5.66
22 07 19 00-0307	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	15.31 3.48	5.80
22 07 19 00-0308	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.04 3.56	5.95
22 07 19 00-0309	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	16.34 3.61	6.02
22 07 19 00-0310	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	17.72 3.65	6.08
22 07 19 00-0311	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	18.73 3.74	6.23
22 07 19 00-0312	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	19.59 3.79	6.30
<b>22 07 19 00-0313</b>			<b>Flexible Elastomeric Tubing Closed Cell Foam Insulation</b> (22 07 19)		
Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.					
<b>22 07 19 00-0314</b>			<b>3/8" Wall Flexible Elastomeric Tubing Foam Insulation</b> (22 07 19 00-0313)		
22 07 19 00-0315	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.08 2.48	4.13
22 07 19 00-0316	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.22 2.48	4.13
22 07 19 00-0317	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.58 2.57	4.28
22 07 19 00-0318	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	9.80 2.61	4.35
22 07 19 00-0319	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.03 2.66	4.42
22 07 19 00-0320	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.33 2.70	4.50
22 07 19 00-0321	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.60 2.74	4.57
22 07 19 00-0322	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	10.86 2.75	4.57
22 07 19 00-0323	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.08 2.77	4.57
22 07 19 00-0324	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.31 2.78	4.64
22 07 19 00-0325	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.66 2.83	4.71
22 07 19 00-0326	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	11.94 2.85	4.71
22 07 19 00-0327	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.15 2.87	4.79
22 07 19 00-0328	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation <i>For Work In Restricted Working Space, Add</i>	12.44 2.89	4.79



**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-0329	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.08	4.86
		<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-0330	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.83	4.92
		<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0331	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.67	4.95
		<i>For Work In Restricted Working Space, Add</i>	2.98	
<b>22 07 19 00-0332 1/2" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0313)</small></b>				
22 07 19 00-0333	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.23	4.50
		<i>For Work In Restricted Working Space, Add</i>	2.70	
22 07 19 00-0334	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.37	4.50
		<i>For Work In Restricted Working Space, Add</i>	2.72	
22 07 19 00-0335	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.52	4.57
		<i>For Work In Restricted Working Space, Add</i>	2.74	
22 07 19 00-0336	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.73	4.57
		<i>For Work In Restricted Working Space, Add</i>	2.75	
22 07 19 00-0337	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.89	4.57
		<i>For Work In Restricted Working Space, Add</i>	2.76	
22 07 19 00-0338	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.32	4.71
		<i>For Work In Restricted Working Space, Add</i>	2.83	
22 07 19 00-0339	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.70	4.79
		<i>For Work In Restricted Working Space, Add</i>	2.87	
22 07 19 00-0340	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.05	4.86
		<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-0341	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.40	4.90
		<i>For Work In Restricted Working Space, Add</i>	2.93	
22 07 19 00-0342	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.68	4.92
		<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0343	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.77	5.01
		<i>For Work In Restricted Working Space, Add</i>	3.00	
22 07 19 00-0344	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.42	5.08
		<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0345	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.90	5.12
		<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0346	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.31	5.14
		<i>For Work In Restricted Working Space, Add</i>	3.09	
22 07 19 00-0347	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.62	5.18
		<i>For Work In Restricted Working Space, Add</i>	3.11	
22 07 19 00-0348	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.87	5.21
		<i>For Work In Restricted Working Space, Add</i>	3.13	
22 07 19 00-0349	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.09	5.29
		<i>For Work In Restricted Working Space, Add</i>	3.17	
22 07 19 00-0350	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.39	5.33
		<i>For Work In Restricted Working Space, Add</i>	3.20	
22 07 19 00-0351	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.58	5.37
		<i>For Work In Restricted Working Space, Add</i>	3.22	
22 07 19 00-0352	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.00	5.51
		<i>For Work In Restricted Working Space, Add</i>	3.30	
22 07 19 00-0353	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.60	5.66
		<i>For Work In Restricted Working Space, Add</i>	3.39	
<b>22 07 19 00-0354 3/4" Wall Flexible Elastomeric Tubing Foam Insulation <small>(22 07 19 00-0313)</small></b>				
22 07 19 00-0355	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.69	4.86
		<i>For Work In Restricted Working Space, Add</i>	2.91	
22 07 19 00-0356	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.01	4.92
		<i>For Work In Restricted Working Space, Add</i>	2.96	
22 07 19 00-0357	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.50	5.08
		<i>For Work In Restricted Working Space, Add</i>	3.05	
22 07 19 00-0358	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.77	5.12
		<i>For Work In Restricted Working Space, Add</i>	3.07	
22 07 19 00-0359	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.90	5.14
		<i>For Work In Restricted Working Space, Add</i>	3.09	
22 07 19 00-0360	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.58	5.29
		<i>For Work In Restricted Working Space, Add</i>	3.17	
22 07 19 00-0361	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.12	5.37
		<i>For Work In Restricted Working Space, Add</i>	3.22	
22 07 19 00-0362	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.66	5.44
		<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0363	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.80	5.44
		<i>For Work In Restricted Working Space, Add</i>	3.26	
22 07 19 00-0364	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.01	5.48
		<i>For Work In Restricted Working Space, Add</i>	3.29	
22 07 19 00-0365	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.64	5.51
		<i>For Work In Restricted Working Space, Add</i>	3.31	
22 07 19 00-0366	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.00	5.58
		<i>For Work In Restricted Working Space, Add</i>	3.35	
22 07 19 00-0367	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.72	5.62
		<i>For Work In Restricted Working Space, Add</i>	3.37	
22 07 19 00-0368	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.21	5.66
		<i>For Work In Restricted Working Space, Add</i>	3.39	
22 07 19 00-0369	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.95	5.70
		<i>For Work In Restricted Working Space, Add</i>	3.42	
22 07 19 00-0370	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.25	5.73
		<i>For Work In Restricted Working Space, Add</i>	3.44	
22 07 19 00-0371	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.38	5.80
		<i>For Work In Restricted Working Space, Add</i>	3.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0372	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.28 3.50	5.84
22 07 19 00-0373	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.79 3.52	5.87
22 07 19 00-0374	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.39 3.56	5.95
22 07 19 00-0375	LF		8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.35 3.65	6.08
<b>22 07 19 00-0376</b>			<b>1" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0313)</small>		
22 07 19 00-0377	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.63 3.22	5.36
22 07 19 00-0378	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.02 3.26	5.44
22 07 19 00-0379	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.53 3.35	5.58
22 07 19 00-0380	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.94 3.37	5.62
22 07 19 00-0381	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.29 3.39	5.66
22 07 19 00-0382	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.92 3.48	5.80
22 07 19 00-0383	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.90 3.56	5.95
22 07 19 00-0384	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.40 3.61	5.95
22 07 19 00-0385	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.04 3.63	6.02
22 07 19 00-0386	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.29 3.65	6.08
22 07 19 00-0387	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.69 3.70	6.17
22 07 19 00-0388	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.79 3.74	6.23
22 07 19 00-0389	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.16 3.77	6.28
22 07 19 00-0390	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.57 3.79	6.30
22 07 19 00-0391	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.29 3.80	6.34
22 07 19 00-0392	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.64 3.83	6.37
22 07 19 00-0393	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.30 3.91	6.53
22 07 19 00-0394	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.07 3.96	6.60
22 07 19 00-0395	LF		5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.69 4.00	6.67
22 07 19 00-0396	LF		6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.49 4.09	6.82
<b>22 07 19 00-0397</b>			<b>1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation</b> <small>(22 07 19 00-0313)</small>		
22 07 19 00-0398	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.26 3.60	6.00
22 07 19 00-0399	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.79 3.69	6.13
22 07 19 00-0400	LF		5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.20 3.71	6.17
22 07 19 00-0401	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.61 3.72	6.22
22 07 19 00-0402	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.21 3.81	6.36
22 07 19 00-0403	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.18 3.95	6.60
22 07 19 00-0404	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.49 3.99	6.50
22 07 19 00-0405	LF		1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.64 4.04	6.66
22 07 19 00-0406	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.35 4.09	6.82
22 07 19 00-0407	LF		2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	28.52 4.13	6.90
22 07 19 00-0408	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.56 4.17	6.98
22 07 19 00-0409	LF		2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.53 4.20	7.01
22 07 19 00-0410	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	32.50 4.22	7.02
22 07 19 00-0411	LF		3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.61 4.24	7.07
22 07 19 00-0412	LF		3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	34.32 4.26	7.09
22 07 19 00-0413	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	38.20 4.40	7.35
22 07 19 00-0414	LF		4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	40.27 4.47	7.46

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0415	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.23	7.58	
		<i>For Work In Restricted Working Space, Add</i>	4.55		
22 07 19 00-0416	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	50.20	7.81	
		<i>For Work In Restricted Working Space, Add</i>	4.68		
<b>22 07 19 00-0417</b>		<b>2" Wall Flexible Elastomeric Tubing Foam Insulation</b> (22 07 19 00-0313)			
22 07 19 00-0418	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.82	6.63	
		<i>For Work In Restricted Working Space, Add</i>	3.98		
22 07 19 00-0419	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	29.93	6.72	
		<i>For Work In Restricted Working Space, Add</i>	4.06		
22 07 19 00-0420	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.77	6.78	
		<i>For Work In Restricted Working Space, Add</i>	4.07		
22 07 19 00-0421	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.40	6.83	
		<i>For Work In Restricted Working Space, Add</i>	4.09		
22 07 19 00-0422	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.00	6.97	
		<i>For Work In Restricted Working Space, Add</i>	4.17		
22 07 19 00-0423	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	36.01	7.30	
		<i>For Work In Restricted Working Space, Add</i>	4.38		
22 07 19 00-0424	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	37.15	7.12	
		<i>For Work In Restricted Working Space, Add</i>	4.41		
22 07 19 00-0425	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	39.19	7.37	
		<i>For Work In Restricted Working Space, Add</i>	4.49		
22 07 19 00-0426	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.16	7.62	
		<i>For Work In Restricted Working Space, Add</i>	4.58		
22 07 19 00-0427	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.47	7.72	
		<i>For Work In Restricted Working Space, Add</i>	4.62		
22 07 19 00-0428	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.13	7.81	
		<i>For Work In Restricted Working Space, Add</i>	4.66		
22 07 19 00-0429	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	45.47	7.83	
		<i>For Work In Restricted Working Space, Add</i>	4.69		
22 07 19 00-0430	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	47.96	7.84	
		<i>For Work In Restricted Working Space, Add</i>	4.71		
22 07 19 00-0431	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	49.70	7.87	
		<i>For Work In Restricted Working Space, Add</i>	4.73		
22 07 19 00-0432	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	51.53	7.91	
		<i>For Work In Restricted Working Space, Add</i>	4.74		
22 07 19 00-0433	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	57.72	8.28	
		<i>For Work In Restricted Working Space, Add</i>	4.95		
22 07 19 00-0434	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	61.32	8.44	
		<i>For Work In Restricted Working Space, Add</i>	5.06		
22 07 19 00-0435	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	62.43	8.61	
		<i>For Work In Restricted Working Space, Add</i>	5.17		
22 07 19 00-0436	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	69.88	8.96	
		<i>For Work In Restricted Working Space, Add</i>	5.37		
<b>22 07 19 00-0437</b>		<b>Flexible Polyolefin Tubing Closed Cell Foam Insulation</b> (22 07 19)			
		Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.			
<b>22 07 19 00-0438</b>		<b>3/8" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-0437)			
22 07 19 00-0439	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.86	4.13	
		<i>For Work In Restricted Working Space, Add</i>	2.48		
22 07 19 00-0440	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.95	4.13	
		<i>For Work In Restricted Working Space, Add</i>	2.48		
22 07 19 00-0441	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.27	4.28	
		<i>For Work In Restricted Working Space, Add</i>	2.57		
22 07 19 00-0442	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.68	4.42	
		<i>For Work In Restricted Working Space, Add</i>	2.66		
22 07 19 00-0443	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.92	4.50	
		<i>For Work In Restricted Working Space, Add</i>	2.70		
22 07 19 00-0444	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.34	4.57	
		<i>For Work In Restricted Working Space, Add</i>	2.74		
22 07 19 00-0445	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.65	4.57	
		<i>For Work In Restricted Working Space, Add</i>	2.75		
22 07 19 00-0446	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.88	4.71	
		<i>For Work In Restricted Working Space, Add</i>	2.77		
22 07 19 00-0447	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.89	4.71	
		<i>For Work In Restricted Working Space, Add</i>	2.85		
22 07 19 00-0448	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.78	4.79	
		<i>For Work In Restricted Working Space, Add</i>	2.89		
22 07 19 00-0449	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.06	4.92	
		<i>For Work In Restricted Working Space, Add</i>	2.96		
<b>22 07 19 00-0450</b>		<b>1/2" Wall Flexible Polyolefin Tubing Foam Insulation</b> (22 07 19 00-0437)			
22 07 19 00-0451	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.90	4.50	
		<i>For Work In Restricted Working Space, Add</i>	2.70		
22 07 19 00-0452	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.99	4.50	
		<i>For Work In Restricted Working Space, Add</i>	2.72		
22 07 19 00-0453	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.18	4.57	
		<i>For Work In Restricted Working Space, Add</i>	2.74		
22 07 19 00-0454	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.44	4.57	
		<i>For Work In Restricted Working Space, Add</i>	2.76		
22 07 19 00-0455	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.77	4.71	
		<i>For Work In Restricted Working Space, Add</i>	2.83		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0456	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.22 2.87	4.79
22 07 19 00-0457	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.71 2.91	4.86
22 07 19 00-0458	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.20 2.96	4.92
22 07 19 00-0459	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.30 3.05	5.08
22 07 19 00-0460	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.25 3.09	5.14
22 07 19 00-0461	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	16.06 3.17	5.29
<b>22 07 19 00-0462</b>			<b>3/4" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0437)</b>		
22 07 19 00-0463	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.07 2.91	4.86
22 07 19 00-0464	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.43 2.96	4.92
22 07 19 00-0465	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	11.89 3.05	5.08
22 07 19 00-0466	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	12.54 3.09	5.14
22 07 19 00-0467	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.17 3.17	5.29
22 07 19 00-0468	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.22 3.22	5.37
22 07 19 00-0469	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.90 3.24	5.37
22 07 19 00-0470	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.68 3.26	5.44
22 07 19 00-0471	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.21 3.35	5.58
22 07 19 00-0472	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.57 3.39	5.66
22 07 19 00-0473	LF		4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	21.18 3.48	5.80
<b>22 07 19 00-0474</b>			<b>1" Wall Flexible Polyolefin Tubing Foam Insulation (22 07 19 00-0437)</b>		
22 07 19 00-0475	LF		1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.10 3.22	5.37
22 07 19 00-0476	LF		3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.30 3.26	5.44
22 07 19 00-0477	LF		1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	13.76 3.35	5.58
22 07 19 00-0478	LF		3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	14.70 3.39	5.66
22 07 19 00-0479	LF		1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	15.49 3.48	5.80
22 07 19 00-0480	LF		1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.31 3.56	5.95
22 07 19 00-0481	LF		1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.09 3.61	5.95
22 07 19 00-0482	LF		2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	18.82 3.65	6.08
22 07 19 00-0483	LF		2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.15 3.74	6.23
22 07 19 00-0484	LF		3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation..... <i>For Work In Restricted Working Space, Add</i>	22.80 3.79	6.30
<b>22 07 19 00-0485</b>			<b>Flexible Elastomeric Unicellular Insulation (22 07 19)</b> Note: For refrigeration piping. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.		
<b>22 07 19 00-0486</b>			<b>3/8" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0485)</b>		
22 07 19 00-0487	LF		3/8" I.D. (1/2" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	9.91 2.48	4.13
22 07 19 00-0488	LF		1/2" I.D. (5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.47 2.57	4.28
22 07 19 00-0489	LF		3/4" I.D. (7/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	10.98 2.66	4.43
22 07 19 00-0490	LF		1" I.D. (1-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.41 2.70	4.50
22 07 19 00-0491	LF		1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.88 2.74	4.57
22 07 19 00-0492	LF		1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.58 2.75	4.60
22 07 19 00-0493	LF		2" I.D. (2-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.47 2.83	4.72
22 07 19 00-0494	LF		2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.59 2.85	4.75
22 07 19 00-0495	LF		3" I.D. (3-1/8" Outside Diameter Pipe), 3/8" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.12 2.89	4.82
<b>22 07 19 00-0496</b>			<b>1/2" Wall Flexible Elastomeric Unicellular Insulation (22 07 19 00-0485)</b>		



**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0497	LF		3/8" I.D. (1/2" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.38 2.66	4.43
22 07 19 00-0498	LF		1/2" I.D. (5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	11.92 2.74	4.57
22 07 19 00-0499	LF		3/4" I.D. (7/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.30 2.76	4.57
22 07 19 00-0500	LF		1" I.D. (1-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	12.90 2.83	4.71
22 07 19 00-0501	LF		1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.37 2.87	4.79
22 07 19 00-0502	LF		1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.09 2.91	4.86
22 07 19 00-0503	LF		2" I.D. (2-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.45 2.96	4.92
22 07 19 00-0504	LF		2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.71 3.05	5.08
22 07 19 00-0505	LF		3" I.D. (3-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.18 3.09	5.14
22 07 19 00-0506	LF		3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.13 3.13	5.21
22 07 19 00-0507	LF		4" I.D. (4-1/8" Outside Diameter Pipe), 1/2" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.53 3.17	5.29
<b>22 07 19 00-0508</b>			<b>3/4" Wall Flexible Elastomeric Unicellular Insulation</b> (22 07 19 00-0485)		
22 07 19 00-0509	LF		3/8" I.D. (1/2" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	13.51 2.89	4.83
22 07 19 00-0510	LF		1/2" I.D. (5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	14.37 3.05	5.08
22 07 19 00-0511	LF		3/4" I.D. (7/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.34 3.09	5.14
22 07 19 00-0512	LF		1" I.D. (1-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	16.73 3.17	5.30
22 07 19 00-0513	LF		1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.75 3.22	5.37
22 07 19 00-0514	LF		1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.20 3.26	5.44
22 07 19 00-0515	LF		2" I.D. (2-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.30 3.29	5.48
22 07 19 00-0516	LF		2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.50 3.35	5.59
22 07 19 00-0517	LF		3" I.D. (3-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.71 3.39	5.66
22 07 19 00-0518	LF		3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	31.33 3.44	5.73
22 07 19 00-0519	LF		4" I.D. (4-1/8" Outside Diameter Pipe), 3/4" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.00 3.48	5.80
<b>22 07 19 00-0520</b>			<b>1" Wall Flexible Elastomeric Unicellular Insulation</b> (22 07 19 00-0485)		
22 07 19 00-0521	LF		3/8" I.D. (1/2" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.80 3.22	5.37
22 07 19 00-0522	LF		1/2" I.D. (5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.71 3.35	5.59
22 07 19 00-0523	LF		3/4" I.D. (7/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.61 3.39	5.66
22 07 19 00-0524	LF		1" I.D. (1-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.89 3.48	5.80
22 07 19 00-0525	LF		1-1/4" I.D. (1-3/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.97 3.56	5.95
22 07 19 00-0526	LF		1-1/2" I.D. (1-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	26.53 3.61	6.02
22 07 19 00-0527	LF		2" I.D. (2-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	29.63 3.65	6.08
22 07 19 00-0528	LF		2-1/2" I.D. (2-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	37.12 3.74	6.23
22 07 19 00-0529	LF		3" I.D. (3-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	42.50 3.79	6.30
22 07 19 00-0530	LF		3-1/2" I.D. (3-5/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.40 3.83	6.37
22 07 19 00-0531	LF		4" I.D. (4-1/8" Outside Diameter Pipe), 1" Wall Flexible Elastomeric Unicellular Insulation ..... <i>For Work In Restricted Working Space, Add</i>	51.38 3.91	6.53
<b>22 07 19 00-0532</b>			<b>Insulation Foam Rubber</b> (22 07 19)		
<b>22 07 19 00-0533</b>			<b>Covering 4x6 Sheet</b> (22 07 19 00-0532)		
22 07 19 00-0534	SF		1" Thick Foam Rubber Sheet Insulation .....	27.36	9.79
<b>22 07 19 00-0535</b>			<b>Insulation Protective Jacketing</b> (22 07 19) Note: Jacketing only and to be added to insulation prices when required.		
<b>22 07 19 00-0536</b>			<b>Aluminum Insulation Protective Jacketing With Bands</b> (22 07 19 00-0535)		
<b>22 07 19 00-0537</b>			<b>Aluminum Roll, Insulation Protective Jacketing With Bands</b> (22 07 19 00-0536)		
22 07 19 00-0538	SF		0.006" Aluminum Insulation Jacket With Bands .....	20.76	8.84
22 07 19 00-0539	SF		0.016" Aluminum Insulation Jacket With Bands .....	21.44	8.84

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

**22 07 19 00-0540 16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands** (22 07 19 00-0536)

22 07 19 00-0541	LF 1/2" ID, 0.016" Aluminum Insulation Jacketing .....	10.77	2.51
	For Stucco Embossed, Add	0.01	
	For Corrugated, Add	0.02	
22 07 19 00-0542	LF 3/4" ID, 0.016" Aluminum Insulation Jacketing .....	11.22	2.57
	For Stucco Embossed, Add	0.01	
	For Corrugated, Add	0.02	
22 07 19 00-0543	LF 1" ID, 0.016" Aluminum Insulation Jacketing .....	11.67	2.63
	For Stucco Embossed, Add	0.01	
	For Corrugated, Add	0.03	
22 07 19 00-0544	LF 1-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	12.15	2.69
	For Stucco Embossed, Add	0.01	
	For Corrugated, Add	0.03	
22 07 19 00-0545	LF 1-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	12.53	2.73
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.04	
22 07 19 00-0546	LF 1-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	12.91	2.77
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.05	
22 07 19 00-0547	LF 2" ID, 0.016" Aluminum Insulation Jacketing .....	13.36	2.83
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.05	
22 07 19 00-0548	LF 2-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	13.81	2.89
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.06	
22 07 19 00-0549	LF 2-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	14.30	2.96
	For Stucco Embossed, Add	0.02	
	For Corrugated, Add	0.06	
22 07 19 00-0550	LF 2-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	14.71	3.00
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.07	
22 07 19 00-0551	LF 3" ID, 0.016" Aluminum Insulation Jacketing .....	15.22	3.07
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.07	
22 07 19 00-0552	LF 3-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	15.72	3.14
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.08	
22 07 19 00-0553	LF 3-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	16.23	3.21
	For Stucco Embossed, Add	0.03	
	For Corrugated, Add	0.08	
22 07 19 00-0554	LF 3-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	16.66	3.27
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.09	
22 07 19 00-0555	LF 4" ID, 0.016" Aluminum Insulation Jacketing .....	17.21	3.35
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.10	
22 07 19 00-0556	LF 4-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	17.76	3.43
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.10	
22 07 19 00-0557	LF 4-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	18.34	3.52
	For Stucco Embossed, Add	0.04	
	For Corrugated, Add	0.11	
22 07 19 00-0558	LF 4-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	18.84	3.58
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.11	
22 07 19 00-0559	LF 5" ID, 0.016" Aluminum Insulation Jacketing .....	19.44	3.68
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.12	
22 07 19 00-0560	LF 5-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	20.06	3.78
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.12	
22 07 19 00-0561	LF 5-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	20.59	3.86
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.13	
22 07 19 00-0562	LF 5-3/4" ID, 0.016" Aluminum Insulation Jacketing .....	21.28	3.97
	For Stucco Embossed, Add	0.05	
	For Corrugated, Add	0.13	
22 07 19 00-0563	LF 6" ID, 0.016" Aluminum Insulation Jacketing .....	21.97	4.09
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.14	
22 07 19 00-0564	LF 6-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	22.42	4.16
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0565	LF 6-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	22.90	4.22
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.15	
22 07 19 00-0566	LF 7" ID, 0.016" Aluminum Insulation Jacketing .....	23.70	4.32
	For Stucco Embossed, Add	0.06	
	For Corrugated, Add	0.16	
22 07 19 00-0567	LF 7-1/4" ID, 0.016" Aluminum Insulation Jacketing .....	24.32	4.42
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	
22 07 19 00-0568	LF 7-1/2" ID, 0.016" Aluminum Insulation Jacketing .....	24.83	4.49
	For Stucco Embossed, Add	0.07	
	For Corrugated, Add	0.17	



**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-0569	LF 8" ID, 0.016" Aluminum Insulation Jacketing	25.58	4.57
	<i>For Stucco Embossed, Add</i>	0.07	
	<i>For Corrugated, Add</i>	0.18	
22 07 19 00-0570	LF 8-1/2" ID, 0.016" Aluminum Insulation Jacketing	26.31	4.64
	<i>For Stucco Embossed, Add</i>	0.08	
	<i>For Corrugated, Add</i>	0.19	
22 07 19 00-0571	LF 9" ID, 0.016" Aluminum Insulation Jacketing	27.21	4.76
	<i>For Stucco Embossed, Add</i>	0.08	
	<i>For Corrugated, Add</i>	0.20	
22 07 19 00-0572	LF 9-1/2" ID, 0.016" Aluminum Insulation Jacketing	28.01	4.84
	<i>For Stucco Embossed, Add</i>	0.09	
	<i>For Corrugated, Add</i>	0.22	
22 07 19 00-0573	LF 10" ID, 0.016" Aluminum Insulation Jacketing	28.79	4.93
	<i>For Stucco Embossed, Add</i>	0.09	
	<i>For Corrugated, Add</i>	0.23	
22 07 19 00-0574	LF 10-1/2" ID, 0.016" Aluminum Insulation Jacketing	29.58	5.02
	<i>For Stucco Embossed, Add</i>	0.10	
	<i>For Corrugated, Add</i>	0.24	
22 07 19 00-0575	LF 11" ID, 0.016" Aluminum Insulation Jacketing	30.58	5.16
	<i>For Stucco Embossed, Add</i>	0.10	
	<i>For Corrugated, Add</i>	0.25	
22 07 19 00-0576	LF 11-1/2" ID, 0.016" Aluminum Insulation Jacketing	31.43	5.26
	<i>For Stucco Embossed, Add</i>	0.10	
	<i>For Corrugated, Add</i>	0.26	
22 07 19 00-0577	LF 12" ID, 0.016" Aluminum Insulation Jacketing	32.26	5.36
	<i>For Stucco Embossed, Add</i>	0.11	
	<i>For Corrugated, Add</i>	0.27	
22 07 19 00-0578	LF 12-1/2" ID, 0.016" Aluminum Insulation Jacketing	33.35	5.52
	<i>For Stucco Embossed, Add</i>	0.11	
	<i>For Corrugated, Add</i>	0.28	
22 07 19 00-0579	LF 13" ID, 0.016" Aluminum Insulation Jacketing	34.00	5.58
	<i>For Stucco Embossed, Add</i>	0.12	
	<i>For Corrugated, Add</i>	0.29	
22 07 19 00-0580	LF 14" ID, 0.016" Aluminum Insulation Jacketing	35.13	5.63
	<i>For Stucco Embossed, Add</i>	0.13	
	<i>For Corrugated, Add</i>	0.32	
22 07 19 00-0581	LF 15" ID, 0.016" Aluminum Insulation Jacketing	36.47	5.75
	<i>For Stucco Embossed, Add</i>	0.13	
	<i>For Corrugated, Add</i>	0.34	
22 07 19 00-0582	LF 16" ID, 0.016" Aluminum Insulation Jacketing	37.60	5.81
	<i>For Stucco Embossed, Add</i>	0.14	
	<i>For Corrugated, Add</i>	0.36	
22 07 19 00-0583	LF 17" ID, 0.016" Aluminum Insulation Jacketing	38.96	5.93
	<i>For Stucco Embossed, Add</i>	0.15	
	<i>For Corrugated, Add</i>	0.38	
22 07 19 00-0584	LF 18" ID, 0.016" Aluminum Insulation Jacketing	39.83	6.00
	<i>For Stucco Embossed, Add</i>	0.16	
	<i>For Corrugated, Add</i>	0.40	
22 07 19 00-0585	LF 19" ID, 0.016" Aluminum Insulation Jacketing	41.52	6.13
	<i>For Stucco Embossed, Add</i>	0.17	
	<i>For Corrugated, Add</i>	0.42	
22 07 19 00-0586	LF 20" ID, 0.016" Aluminum Insulation Jacketing	42.69	6.20
	<i>For Stucco Embossed, Add</i>	0.18	
	<i>For Corrugated, Add</i>	0.45	
22 07 19 00-0587	LF 21" ID, 0.016" Aluminum Insulation Jacketing	44.12	6.34
	<i>For Stucco Embossed, Add</i>	0.19	
	<i>For Corrugated, Add</i>	0.47	
22 07 19 00-0588	LF 22" ID, 0.016" Aluminum Insulation Jacketing	45.29	6.42
	<i>For Stucco Embossed, Add</i>	0.20	
	<i>For Corrugated, Add</i>	0.49	
22 07 19 00-0589	LF 23" ID, 0.016" Aluminum Insulation Jacketing	46.79	6.58
	<i>For Stucco Embossed, Add</i>	0.21	
	<i>For Corrugated, Add</i>	0.51	
22 07 19 00-0590	LF 24" ID, 0.016" Aluminum Insulation Jacketing	47.98	6.65
	<i>For Stucco Embossed, Add</i>	0.21	
	<i>For Corrugated, Add</i>	0.53	

**22 07 19 00-0591 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands**

(22 07 19 00-0536)

22 07 19 00-0592	LF 1/2" ID, 0.020" Aluminum Insulation Jacketing	11.98	2.76
	<i>For Stucco Embossed, Add</i>	0.01	
	<i>For Corrugated, Add</i>	0.02	
22 07 19 00-0593	LF 3/4" ID, 0.020" Aluminum Insulation Jacketing	12.50	2.82
	<i>For Stucco Embossed, Add</i>	0.01	
	<i>For Corrugated, Add</i>	0.03	
22 07 19 00-0594	LF 1" ID, 0.020" Aluminum Insulation Jacketing	13.05	2.89
	<i>For Stucco Embossed, Add</i>	0.01	
	<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0595	LF 1-1/4" ID, 0.020" Aluminum Insulation Jacketing	13.60	2.97
	<i>For Stucco Embossed, Add</i>	0.02	
	<i>For Corrugated, Add</i>	0.04	
22 07 19 00-0596	LF 1-1/2" ID, 0.020" Aluminum Insulation Jacketing	14.05	3.01
	<i>For Stucco Embossed, Add</i>	0.02	
	<i>For Corrugated, Add</i>	0.05	
22 07 19 00-0597	LF 1-3/4" ID, 0.020" Aluminum Insulation Jacketing	14.51	3.06
	<i>For Stucco Embossed, Add</i>	0.02	
	<i>For Corrugated, Add</i>	0.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0598	LF		2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	15.04 0.03 0.06	3.12
22 07 19 00-0599	LF		2-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	15.58 0.03 0.07	3.18
22 07 19 00-0600	LF		2-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	16.15 0.03 0.08	3.25
22 07 19 00-0601	LF		2-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	16.64 0.03 0.09	3.30
22 07 19 00-0602	LF		3" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	17.25 0.04 0.09	3.37
22 07 19 00-0603	LF		3-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	17.82 0.04 0.10	3.45
22 07 19 00-0604	LF		3-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	18.42 0.04 0.11	3.53
22 07 19 00-0605	LF		3-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	18.95 0.05 0.11	3.59
22 07 19 00-0606	LF		4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	19.58 0.05 0.12	3.68
22 07 19 00-0607	LF		4-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	20.22 0.05 0.13	3.77
22 07 19 00-0608	LF		4-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	20.91 0.05 0.14	3.86
22 07 19 00-0609	LF		4-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	21.49 0.06 0.14	3.94
22 07 19 00-0610	LF		5" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	22.19 0.06 0.15	4.04
22 07 19 00-0611	LF		5-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	22.89 0.06 0.16	4.16
22 07 19 00-0612	LF		5-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	23.53 0.07 0.16	4.25
22 07 19 00-0613	LF		5-3/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	24.33 0.07 0.17	4.37
22 07 19 00-0614	LF		6" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	25.11 0.07 0.18	4.50
22 07 19 00-0615	LF		6-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	25.67 0.07 0.19	4.57
22 07 19 00-0616	LF		6-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	26.21 0.08 0.19	4.64
22 07 19 00-0617	LF		7" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	27.16 0.08 0.20	4.74
22 07 19 00-0618	LF		7-1/4" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	27.90 0.08 0.21	4.86
22 07 19 00-0619	LF		7-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	28.49 0.09 0.22	4.93
22 07 19 00-0620	LF		8" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	29.38 0.09 0.23	5.02
22 07 19 00-0621	LF		8-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	30.26 0.10 0.25	5.10
22 07 19 00-0622	LF		9" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	31.33 0.10 0.26	5.24
22 07 19 00-0623	LF		9-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	32.27 0.11 0.27	5.33
22 07 19 00-0624	LF		10" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	33.21 0.12 0.29	5.43
22 07 19 00-0625	LF		10-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	34.15 0.12 0.30	5.52
22 07 19 00-0626	LF		11" ID, 0.0106 Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	35.33 0.13 0.32	5.68
22 07 19 00-0627	LF		11-1/2" ID, 0.020" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	36.34 0.13 0.33	5.78

**22 Plumbing**

**22 07 Plumbing Insulation**

**22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0628	LF		12" ID, 0.020" Aluminum Insulation Jacketing .....	37.34	5.90
			<i>For Stucco Embossed, Add</i> .....	0.14	
			<i>For Corrugated, Add</i> .....	0.34	
22 07 19 00-0629	LF		12-1/2" ID, 0.020" Aluminum Insulation Jacketing .....	38.60	6.07
			<i>For Stucco Embossed, Add</i> .....	0.14	
			<i>For Corrugated, Add</i> .....	0.36	
22 07 19 00-0630	LF		13" ID, 0.020" Aluminum Insulation Jacketing .....	39.40	6.13
			<i>For Stucco Embossed, Add</i> .....	0.15	
			<i>For Corrugated, Add</i> .....	0.37	
22 07 19 00-0631	LF		14" ID, 0.020" Aluminum Insulation Jacketing .....	40.78	6.19
			<i>For Stucco Embossed, Add</i> .....	0.16	
			<i>For Corrugated, Add</i> .....	0.40	
22 07 19 00-0632	LF		15" ID, 0.020" Aluminum Insulation Jacketing .....	42.41	6.32
			<i>For Stucco Embossed, Add</i> .....	0.17	
			<i>For Corrugated, Add</i> .....	0.43	
22 07 19 00-0633	LF		16" ID, 0.020" Aluminum Insulation Jacketing .....	43.80	6.40
			<i>For Stucco Embossed, Add</i> .....	0.18	
			<i>For Corrugated, Add</i> .....	0.46	
22 07 19 00-0634	LF		17" ID, 0.020" Aluminum Insulation Jacketing .....	45.44	6.53
			<i>For Stucco Embossed, Add</i> .....	0.19	
			<i>For Corrugated, Add</i> .....	0.48	
22 07 19 00-0635	LF		18" ID, 0.020" Aluminum Insulation Jacketing .....	46.50	6.60
			<i>For Stucco Embossed, Add</i> .....	0.20	
			<i>For Corrugated, Add</i> .....	0.50	
22 07 19 00-0636	LF		19" ID, 0.020" Aluminum Insulation Jacketing .....	48.56	6.75
			<i>For Stucco Embossed, Add</i> .....	0.22	
			<i>For Corrugated, Add</i> .....	0.54	
22 07 19 00-0637	LF		20" ID, 0.020" Aluminum Insulation Jacketing .....	50.00	6.82
			<i>For Stucco Embossed, Add</i> .....	0.23	
			<i>For Corrugated, Add</i> .....	0.57	
22 07 19 00-0638	LF		21" ID, 0.020" Aluminum Insulation Jacketing .....	51.72	6.98
			<i>For Stucco Embossed, Add</i> .....	0.24	
			<i>For Corrugated, Add</i> .....	0.60	
22 07 19 00-0639	LF		22" ID, 0.020" Aluminum Insulation Jacketing .....	53.14	7.06
			<i>For Stucco Embossed, Add</i> .....	0.25	
			<i>For Corrugated, Add</i> .....	0.62	
22 07 19 00-0640	LF		23" ID, 0.020" Aluminum Insulation Jacketing .....	54.96	7.23
			<i>For Stucco Embossed, Add</i> .....	0.26	
			<i>For Corrugated, Add</i> .....	0.65	
22 07 19 00-0641	LF		24" ID, 0.020" Aluminum Insulation Jacketing .....	56.40	7.31
			<i>For Stucco Embossed, Add</i> .....	0.27	
			<i>For Corrugated, Add</i> .....	0.68	
<b>22 07 19 00-0642</b>			<b>24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0536)</small>		
22 07 19 00-0643	LF		1/2" ID, 0.024" Aluminum Insulation Jacketing .....	13.15	3.02
			<i>For Stucco Embossed, Add</i> .....	0.01	
			<i>For Corrugated, Add</i> .....	0.03	
22 07 19 00-0644	LF		3/4" ID, 0.024" Aluminum Insulation Jacketing .....	13.77	3.08
			<i>For Stucco Embossed, Add</i> .....	0.01	
			<i>For Corrugated, Add</i> .....	0.04	
22 07 19 00-0645	LF		1" ID, 0.024" Aluminum Insulation Jacketing .....	14.39	3.16
			<i>For Stucco Embossed, Add</i> .....	0.02	
			<i>For Corrugated, Add</i> .....	0.04	
22 07 19 00-0646	LF		1-1/4" ID, 0.024" Aluminum Insulation Jacketing .....	15.03	3.23
			<i>For Stucco Embossed, Add</i> .....	0.02	
			<i>For Corrugated, Add</i> .....	0.05	
22 07 19 00-0647	LF		1-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	15.55	3.28
			<i>For Stucco Embossed, Add</i> .....	0.02	
			<i>For Corrugated, Add</i> .....	0.06	
22 07 19 00-0648	LF		1-3/4" ID, 0.024" Aluminum Insulation Jacketing .....	16.07	3.33
			<i>For Stucco Embossed, Add</i> .....	0.03	
			<i>For Corrugated, Add</i> .....	0.07	
22 07 19 00-0649	LF		2" ID, 0.024" Aluminum Insulation Jacketing .....	16.68	3.40
			<i>For Stucco Embossed, Add</i> .....	0.03	
			<i>For Corrugated, Add</i> .....	0.08	
22 07 19 00-0650	LF		2-1/4" ID, 0.024" Aluminum Insulation Jacketing .....	17.29	3.47
			<i>For Stucco Embossed, Add</i> .....	0.03	
			<i>For Corrugated, Add</i> .....	0.09	
22 07 19 00-0651	LF		2-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	17.96	3.54
			<i>For Stucco Embossed, Add</i> .....	0.04	
			<i>For Corrugated, Add</i> .....	0.09	
22 07 19 00-0652	LF		2-3/4" ID, 0.024" Aluminum Insulation Jacketing .....	18.52	3.60
			<i>For Stucco Embossed, Add</i> .....	0.04	
			<i>For Corrugated, Add</i> .....	0.10	
22 07 19 00-0653	LF		3" ID, 0.024" Aluminum Insulation Jacketing .....	19.22	3.68
			<i>For Stucco Embossed, Add</i> .....	0.04	
			<i>For Corrugated, Add</i> .....	0.11	
22 07 19 00-0654	LF		3-1/4" ID, 0.024" Aluminum Insulation Jacketing .....	19.88	3.76
			<i>For Stucco Embossed, Add</i> .....	0.05	
			<i>For Corrugated, Add</i> .....	0.12	
22 07 19 00-0655	LF		3-1/2" ID, 0.024" Aluminum Insulation Jacketing .....	20.55	3.85
			<i>For Stucco Embossed, Add</i> .....	0.05	
			<i>For Corrugated, Add</i> .....	0.13	
22 07 19 00-0656	LF		3-3/4" ID, 0.024" Aluminum Insulation Jacketing .....	21.16	3.92
			<i>For Stucco Embossed, Add</i> .....	0.05	
			<i>For Corrugated, Add</i> .....	0.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0657	LF		4" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	21.87 0.06 0.15	4.01
22 07 19 00-0658	LF		4-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	22.59 0.06 0.15	4.12
22 07 19 00-0659	LF		4-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	23.38 0.07 0.16	4.22
22 07 19 00-0660	LF		4-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	24.04 0.07 0.17	4.30
22 07 19 00-0661	LF		5" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	24.82 0.07 0.18	4.42
22 07 19 00-0662	LF		5-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	25.64 0.07 0.19	4.54
22 07 19 00-0663	LF		5-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	26.35 0.08 0.20	4.63
22 07 19 00-0664	LF		5-3/4" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	27.25 0.08 0.20	4.77
22 07 19 00-0665	LF		6" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	28.15 0.09 0.21	4.90
22 07 19 00-0666	LF		6-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	28.77 0.09 0.22	4.98
22 07 19 00-0667	LF		6-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	29.40 0.09 0.23	5.05
22 07 19 00-0668	LF		7" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	30.50 0.10 0.25	5.17
22 07 19 00-0669	LF		7-1/4" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	31.33 0.10 0.25	5.30
22 07 19 00-0670	LF		7-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	32.01 0.10 0.26	5.39
22 07 19 00-0671	LF		8" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	33.04 0.11 0.28	5.48
22 07 19 00-0672	LF		8-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	34.04 0.12 0.29	5.57
22 07 19 00-0673	LF		9" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	35.28 0.12 0.31	5.71
22 07 19 00-0674	LF		9-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	36.37 0.13 0.33	5.81
22 07 19 00-0675	LF		10" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	37.45 0.14 0.34	5.91
22 07 19 00-0676	LF		10-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	38.54 0.14 0.36	6.02
22 07 19 00-0677	LF		11" ID, 0.0106 Aluminum Insulation Jacketing..... For Stucco Embossed, Add For Corrugated, Add	39.87 0.15 0.38	6.19
22 07 19 00-0678	LF		11-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	41.05 0.16 0.40	6.30
22 07 19 00-0679	LF		12" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	42.20 0.16 0.41	6.44
22 07 19 00-0680	LF		12-1/2" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	43.63 0.17 0.43	6.63
22 07 19 00-0681	LF		13" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	44.56 0.18 0.44	6.69
22 07 19 00-0682	LF		14" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	46.18 0.19 0.48	6.76
22 07 19 00-0683	LF		15" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	48.07 0.20 0.51	6.90
22 07 19 00-0684	LF		16" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	49.71 0.22 0.55	6.97
22 07 19 00-0685	LF		17" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	51.64 0.23 0.58	7.12
22 07 19 00-0686	LF		18" ID, 0.024" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	52.84 0.24 0.60	7.20

**22 Plumbing**

**22 07 Plumbing Insulation**

**22 07 19 Plumbing Piping Insulation**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0687	LF		19" ID, 0.024" Aluminum Insulation Jacketing .....	55.25	7.36
			<i>For Stucco Embossed, Add</i> .....	0.26	
			<i>For Corrugated, Add</i> .....	0.65	
22 07 19 00-0688	LF		20" ID, 0.024" Aluminum Insulation Jacketing .....	56.95	7.44
			<i>For Stucco Embossed, Add</i> .....	0.27	
			<i>For Corrugated, Add</i> .....	0.68	
22 07 19 00-0689	LF		21" ID, 0.024" Aluminum Insulation Jacketing .....	58.95	7.62
			<i>For Stucco Embossed, Add</i> .....	0.28	
			<i>For Corrugated, Add</i> .....	0.71	
22 07 19 00-0690	LF		22" ID, 0.024" Aluminum Insulation Jacketing .....	60.63	7.71
			<i>For Stucco Embossed, Add</i> .....	0.30	
			<i>For Corrugated, Add</i> .....	0.75	
22 07 19 00-0691	LF		23" ID, 0.024" Aluminum Insulation Jacketing .....	62.72	7.89
			<i>For Stucco Embossed, Add</i> .....	0.31	
			<i>For Corrugated, Add</i> .....	0.78	
22 07 19 00-0692	LF		24" ID, 0.024" Aluminum Insulation Jacketing .....	64.40	7.98
			<i>For Stucco Embossed, Add</i> .....	0.32	
			<i>For Corrugated, Add</i> .....	0.81	
22 07 19 00-0693			<b>32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands</b> <small>(22 07 19 00-0536)</small>		
22 07 19 00-0694	LF		1/2" ID, 0.032" Aluminum Insulation Jacketing .....	14.84	3.34
			<i>For Stucco Embossed, Add</i> .....	0.01	
			<i>For Corrugated, Add</i> .....	0.04	
22 07 19 00-0695	LF		3/4" ID, 0.032" Aluminum Insulation Jacketing .....	15.59	3.42
			<i>For Stucco Embossed, Add</i> .....	0.02	
			<i>For Corrugated, Add</i> .....	0.05	
22 07 19 00-0696	LF		1" ID, 0.032" Aluminum Insulation Jacketing .....	16.37	3.50
			<i>For Stucco Embossed, Add</i> .....	0.02	
			<i>For Corrugated, Add</i> .....	0.06	
22 07 19 00-0697	LF		1-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	17.14	3.58
			<i>For Stucco Embossed, Add</i> .....	0.03	
			<i>For Corrugated, Add</i> .....	0.07	
22 07 19 00-0698	LF		1-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	17.80	3.63
			<i>For Stucco Embossed, Add</i> .....	0.03	
			<i>For Corrugated, Add</i> .....	0.08	
22 07 19 00-0699	LF		1-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	18.46	3.69
			<i>For Stucco Embossed, Add</i> .....	0.04	
			<i>For Corrugated, Add</i> .....	0.09	
22 07 19 00-0700	LF		2" ID, 0.032" Aluminum Insulation Jacketing .....	19.20	3.76
			<i>For Stucco Embossed, Add</i> .....	0.04	
			<i>For Corrugated, Add</i> .....	0.10	
22 07 19 00-0701	LF		2-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	19.96	3.84
			<i>For Stucco Embossed, Add</i> .....	0.05	
			<i>For Corrugated, Add</i> .....	0.11	
22 07 19 00-0702	LF		2-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	20.79	3.92
			<i>For Stucco Embossed, Add</i> .....	0.05	
			<i>For Corrugated, Add</i> .....	0.13	
22 07 19 00-0703	LF		2-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	21.50	3.99
			<i>For Stucco Embossed, Add</i> .....	0.06	
			<i>For Corrugated, Add</i> .....	0.14	
22 07 19 00-0704	LF		3" ID, 0.032" Aluminum Insulation Jacketing .....	22.34	4.08
			<i>For Stucco Embossed, Add</i> .....	0.06	
			<i>For Corrugated, Add</i> .....	0.15	
22 07 19 00-0705	LF		3-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	23.14	4.18
			<i>For Stucco Embossed, Add</i> .....	0.06	
			<i>For Corrugated, Add</i> .....	0.16	
22 07 19 00-0706	LF		3-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	23.99	4.27
			<i>For Stucco Embossed, Add</i> .....	0.07	
			<i>For Corrugated, Add</i> .....	0.17	
22 07 19 00-0707	LF		3-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	24.73	4.35
			<i>For Stucco Embossed, Add</i> .....	0.07	
			<i>For Corrugated, Add</i> .....	0.18	
22 07 19 00-0708	LF		4" ID, 0.032" Aluminum Insulation Jacketing .....	25.59	4.45
			<i>For Stucco Embossed, Add</i> .....	0.08	
			<i>For Corrugated, Add</i> .....	0.19	
22 07 19 00-0709	LF		4-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	26.48	4.56
			<i>For Stucco Embossed, Add</i> .....	0.08	
			<i>For Corrugated, Add</i> .....	0.21	
22 07 19 00-0710	LF		4-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	27.44	4.68
			<i>For Stucco Embossed, Add</i> .....	0.09	
			<i>For Corrugated, Add</i> .....	0.22	
22 07 19 00-0711	LF		4-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	28.24	4.77
			<i>For Stucco Embossed, Add</i> .....	0.09	
			<i>For Corrugated, Add</i> .....	0.23	
22 07 19 00-0712	LF		5" ID, 0.032" Aluminum Insulation Jacketing .....	29.19	4.89
			<i>For Stucco Embossed, Add</i> .....	0.10	
			<i>For Corrugated, Add</i> .....	0.24	
22 07 19 00-0713	LF		5-1/4" ID, 0.032" Aluminum Insulation Jacketing .....	30.17	5.03
			<i>For Stucco Embossed, Add</i> .....	0.10	
			<i>For Corrugated, Add</i> .....	0.25	
22 07 19 00-0714	LF		5-1/2" ID, 0.032" Aluminum Insulation Jacketing .....	31.04	5.13
			<i>For Stucco Embossed, Add</i> .....	0.11	
			<i>For Corrugated, Add</i> .....	0.26	
22 07 19 00-0715	LF		5-3/4" ID, 0.032" Aluminum Insulation Jacketing .....	32.13	5.29
			<i>For Stucco Embossed, Add</i> .....	0.11	
			<i>For Corrugated, Add</i> .....	0.28	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0716	LF		6" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	33.20 0.11 0.29	5.44
22 07 19 00-0717	LF		6-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	33.96 0.12 0.30	5.52
22 07 19 00-0718	LF		6-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	34.74 0.12 0.31	5.61
22 07 19 00-0719	LF		7" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	36.10 0.13 0.33	5.74
22 07 19 00-0720	LF		7-1/4" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	37.08 0.14 0.34	5.87
22 07 19 00-0721	LF		7-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	37.91 0.14 0.35	5.97
22 07 19 00-0722	LF		8" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	39.21 0.15 0.37	6.07
22 07 19 00-0723	LF		8-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	40.48 0.16 0.40	6.17
22 07 19 00-0724	LF		9" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	42.01 0.17 0.42	6.33
22 07 19 00-0725	LF		9-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	43.39 0.18 0.44	6.45
22 07 19 00-0726	LF		10" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	44.74 0.19 0.46	6.56
22 07 19 00-0727	LF		10-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	46.09 0.19 0.48	6.68
22 07 19 00-0728	LF		11" ID, 0.0106 Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	47.73 0.20 0.51	6.86
22 07 19 00-0729	LF		11-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	49.19 0.21 0.53	6.99
22 07 19 00-0730	LF		12" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	50.62 0.22 0.55	7.13
22 07 19 00-0731	LF		12-1/2" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	52.36 0.23 0.57	7.34
22 07 19 00-0732	LF		13" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	53.54 0.24 0.60	7.41
22 07 19 00-0733	LF		14" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	55.66 0.26 0.64	7.49
22 07 19 00-0734	LF		15" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	58.05 0.27 0.69	7.65
22 07 19 00-0735	LF		16" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	60.21 0.29 0.73	7.73
22 07 19 00-0736	LF		17" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	62.63 0.31 0.78	7.90
22 07 19 00-0737	LF		18" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	64.19 0.32 0.81	7.98
22 07 19 00-0738	LF		19" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	67.28 0.35 0.87	8.16
22 07 19 00-0739	LF		20" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	69.47 0.36 0.91	8.25
22 07 19 00-0740	LF		21" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	72.00 0.38 0.96	8.44
22 07 19 00-0741	LF		22" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	74.15 0.40 1.00	8.53
22 07 19 00-0742	LF		23" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	76.79 0.42 1.05	8.75
22 07 19 00-0743	LF		24" ID, 0.032" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	78.98 0.44 1.09	8.85

22 07 19 00-0744 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands (22 07 19 00-0536)

**22 Plumbing**

**22 07 Plumbing Insulation**

**22 07 19 Plumbing Piping Insulation**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0745	LF		1/2" ID, 0.040" Aluminum Insulation Jacketing .....	17.23	3.84
			<i>For Stucco Embossed, Add</i> .....	0.02	
			<i>For Corrugated, Add</i> .....	0.05	
22 07 19 00-0746	LF		3/4" ID, 0.040" Aluminum Insulation Jacketing .....	18.15	3.92
			<i>For Stucco Embossed, Add</i> .....	0.02	
			<i>For Corrugated, Add</i> .....	0.06	
22 07 19 00-0747	LF		1" ID, 0.040" Aluminum Insulation Jacketing .....	19.07	4.02
			<i>For Stucco Embossed, Add</i> .....	0.03	
			<i>For Corrugated, Add</i> .....	0.07	
22 07 19 00-0748	LF		1-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	20.02	4.12
			<i>For Stucco Embossed, Add</i> .....	0.04	
			<i>For Corrugated, Add</i> .....	0.09	
22 07 19 00-0749	LF		1-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	20.81	4.19
			<i>For Stucco Embossed, Add</i> .....	0.04	
			<i>For Corrugated, Add</i> .....	0.10	
22 07 19 00-0750	LF		1-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	21.63	4.25
			<i>For Stucco Embossed, Add</i> .....	0.05	
			<i>For Corrugated, Add</i> .....	0.12	
22 07 19 00-0751	LF		2" ID, 0.040" Aluminum Insulation Jacketing .....	22.53	4.33
			<i>For Stucco Embossed, Add</i> .....	0.05	
			<i>For Corrugated, Add</i> .....	0.13	
22 07 19 00-0752	LF		2-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	23.45	4.42
			<i>For Stucco Embossed, Add</i> .....	0.06	
			<i>For Corrugated, Add</i> .....	0.14	
22 07 19 00-0753	LF		2-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	24.45	4.52
			<i>For Stucco Embossed, Add</i> .....	0.06	
			<i>For Corrugated, Add</i> .....	0.16	
22 07 19 00-0754	LF		2-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	25.29	4.59
			<i>For Stucco Embossed, Add</i> .....	0.07	
			<i>For Corrugated, Add</i> .....	0.17	
22 07 19 00-0755	LF		3" ID, 0.040" Aluminum Insulation Jacketing .....	26.33	4.69
			<i>For Stucco Embossed, Add</i> .....	0.08	
			<i>For Corrugated, Add</i> .....	0.19	
22 07 19 00-0756	LF		3-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	27.31	4.80
			<i>For Stucco Embossed, Add</i> .....	0.08	
			<i>For Corrugated, Add</i> .....	0.20	
22 07 19 00-0757	LF		3-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	28.31	4.91
			<i>For Stucco Embossed, Add</i> .....	0.09	
			<i>For Corrugated, Add</i> .....	0.22	
22 07 19 00-0758	LF		3-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	29.21	4.99
			<i>For Stucco Embossed, Add</i> .....	0.09	
			<i>For Corrugated, Add</i> .....	0.23	
22 07 19 00-0759	LF		4" ID, 0.040" Aluminum Insulation Jacketing .....	30.26	5.12
			<i>For Stucco Embossed, Add</i> .....	0.10	
			<i>For Corrugated, Add</i> .....	0.24	
22 07 19 00-0760	LF		4-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	31.31	5.25
			<i>For Stucco Embossed, Add</i> .....	0.10	
			<i>For Corrugated, Add</i> .....	0.26	
22 07 19 00-0761	LF		4-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	32.48	5.38
			<i>For Stucco Embossed, Add</i> .....	0.11	
			<i>For Corrugated, Add</i> .....	0.27	
22 07 19 00-0762	LF		4-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	33.45	5.49
			<i>For Stucco Embossed, Add</i> .....	0.12	
			<i>For Corrugated, Add</i> .....	0.29	
22 07 19 00-0763	LF		5" ID, 0.040" Aluminum Insulation Jacketing .....	34.59	5.63
			<i>For Stucco Embossed, Add</i> .....	0.12	
			<i>For Corrugated, Add</i> .....	0.30	
22 07 19 00-0764	LF		5-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	35.76	5.79
			<i>For Stucco Embossed, Add</i> .....	0.13	
			<i>For Corrugated, Add</i> .....	0.32	
22 07 19 00-0765	LF		5-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	36.79	5.91
			<i>For Stucco Embossed, Add</i> .....	0.13	
			<i>For Corrugated, Add</i> .....	0.33	
22 07 19 00-0766	LF		5-3/4" ID, 0.040" Aluminum Insulation Jacketing .....	38.11	6.07
			<i>For Stucco Embossed, Add</i> .....	0.14	
			<i>For Corrugated, Add</i> .....	0.35	
22 07 19 00-0767	LF		6" ID, 0.040" Aluminum Insulation Jacketing .....	39.38	6.25
			<i>For Stucco Embossed, Add</i> .....	0.14	
			<i>For Corrugated, Add</i> .....	0.36	
22 07 19 00-0768	LF		6-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	40.31	6.35
			<i>For Stucco Embossed, Add</i> .....	0.15	
			<i>For Corrugated, Add</i> .....	0.37	
22 07 19 00-0769	LF		6-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	41.25	6.45
			<i>For Stucco Embossed, Add</i> .....	0.15	
			<i>For Corrugated, Add</i> .....	0.39	
22 07 19 00-0770	LF		7" ID, 0.040" Aluminum Insulation Jacketing .....	42.90	6.60
			<i>For Stucco Embossed, Add</i> .....	0.17	
			<i>For Corrugated, Add</i> .....	0.41	
22 07 19 00-0771	LF		7-1/4" ID, 0.040" Aluminum Insulation Jacketing .....	44.09	6.76
			<i>For Stucco Embossed, Add</i> .....	0.17	
			<i>For Corrugated, Add</i> .....	0.43	
22 07 19 00-0772	LF		7-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	45.08	6.87
			<i>For Stucco Embossed, Add</i> .....	0.18	
			<i>For Corrugated, Add</i> .....	0.44	
22 07 19 00-0773	LF		8" ID, 0.040" Aluminum Insulation Jacketing .....	46.66	6.99
			<i>For Stucco Embossed, Add</i> .....	0.19	
			<i>For Corrugated, Add</i> .....	0.47	
22 07 19 00-0774	LF		8-1/2" ID, 0.040" Aluminum Insulation Jacketing .....	48.22	7.10
			<i>For Stucco Embossed, Add</i> .....	0.20	
			<i>For Corrugated, Add</i> .....	0.50	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0775	LF	9"	9" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	50.07 0.21 0.52	7.28
22 07 19 00-0776	LF	9-1/2"	9-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	51.76 0.22 0.55	7.41
22 07 19 00-0777	LF	10"	10" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	53.40 0.23 0.58	7.54
22 07 19 00-0778	LF	10-1/2"	10-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	55.05 0.24 0.61	7.68
22 07 19 00-0779	LF	11"	11" ID, 0.0106 Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	57.02 0.25 0.64	7.90
22 07 19 00-0780	LF	11-1/2"	11-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	58.81 0.27 0.67	8.05
22 07 19 00-0781	LF	12"	12" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	60.54 0.28 0.69	8.20
22 07 19 00-0782	LF	12-1/2"	12-1/2" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	62.64 0.29 0.72	8.44
22 07 19 00-0783	LF	13"	13" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	64.07 0.30 0.75	8.53
22 07 19 00-0784	LF	14"	14" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	66.72 0.32 0.81	8.61
22 07 19 00-0785	LF	15"	15" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	69.65 0.34 0.86	8.80
22 07 19 00-0786	LF	16"	16" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	72.32 0.37 0.92	8.89
22 07 19 00-0787	LF	17"	17" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	75.30 0.39 0.97	9.08
22 07 19 00-0788	LF	18"	18" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	77.22 0.40 1.01	9.18
22 07 19 00-0789	LF	19"	19" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	81.02 0.43 1.09	9.38
22 07 19 00-0790	LF	20"	20" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	83.73 0.46 1.14	9.49
22 07 19 00-0791	LF	21"	21" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	86.81 0.48 1.20	9.71
22 07 19 00-0792	LF	22"	22" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	89.49 0.50 1.26	9.82
22 07 19 00-0793	LF	23"	23" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	92.72 0.52 1.31	10.06
22 07 19 00-0794	LF	24"	24" ID, 0.040" Aluminum Insulation Jacketing ..... For Stucco Embossed, Add For Corrugated, Add	95.42 0.55 1.37	10.18
<b>22 07 19 00-0795</b>			<b>Aluminum Insulation Protective Jacketing For Fittings (22 07 19 00-0536)</b>		
22 07 19 00-0796	EA	1-1/2"	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	26.78	3.94
22 07 19 00-0797	EA	1-3/4"	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	27.36	4.09
22 07 19 00-0798	EA	2"	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	30.83	4.25
22 07 19 00-0799	EA	2-1/4"	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	31.09	4.32
22 07 19 00-0800	EA	2-1/2"	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	31.36	4.38
22 07 19 00-0801	EA	2-3/4"	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	31.79	4.49
22 07 19 00-0802	EA	3"	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	33.41	4.60
22 07 19 00-0803	EA	3-1/4"	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	33.88	4.72
22 07 19 00-0804	EA	3-1/2"	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	36.95	4.80
22 07 19 00-0805	EA	3-3/4"	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	37.74	4.88
22 07 19 00-0806	EA	4"	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	39.11	5.02
22 07 19 00-0807	EA	4-1/4"	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	40.03	5.11
22 07 19 00-0808	EA	4-1/2"	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	40.41	5.20
22 07 19 00-0809	EA	4-3/4"	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	40.81	5.31
22 07 19 00-0810	EA	5"	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	43.73	5.42
22 07 19 00-0811	EA	5-1/4"	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	47.54	5.52
22 07 19 00-0812	EA	5-1/2"	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	54.49	5.69
22 07 19 00-0813	EA	5-3/4"	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	54.96	5.81
22 07 19 00-0814	EA	6"	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	51.07	6.00
22 07 19 00-0815	EA	6-1/4"	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	51.60	6.13
22 07 19 00-0816	EA	6-1/2"	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	57.96	6.34
22 07 19 00-0817	EA	7"	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	65.53	6.50
22 07 19 00-0818	EA	7-1/4"	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	65.84	6.58
22 07 19 00-0819	EA	7-1/2"	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing .....	84.76	6.65
22 07 19 00-0820	EA	8"	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	70.29	6.73

**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0821	EA		8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	107.73	6.90
22 07 19 00-0822	EA		9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	108.43	7.08
22 07 19 00-0823	EA		9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	87.62	7.17
22 07 19 00-0824	EA		10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	88.00	7.26
22 07 19 00-0825	EA		10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	89.65	7.36
22 07 19 00-0826	EA		11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	90.05	7.46
22 07 19 00-0827	EA		11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	99.12	7.67
22 07 19 00-0828	EA		12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	99.55	7.78
22 07 19 00-0829	EA		12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	153.84	8.00
22 07 19 00-0830	EA		13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	154.30	8.12
22 07 19 00-0831	EA		14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	196.84	8.36
22 07 19 00-0832	EA		15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	205.31	8.62
22 07 19 00-0833	EA		16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing.....	221.37	8.77
22 07 19 00-0834	EA		2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	28.95	4.38
22 07 19 00-0835	EA		2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	29.38	4.49
22 07 19 00-0836	EA		3" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.32	4.60
22 07 19 00-0837	EA		3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	31.79	4.72
22 07 19 00-0838	EA		3-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	33.94	4.80
22 07 19 00-0839	EA		3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	34.27	4.88
22 07 19 00-0840	EA		4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	35.05	5.02
22 07 19 00-0841	EA		4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	37.54	5.11
22 07 19 00-0842	EA		4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	37.92	5.20
22 07 19 00-0843	EA		4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	38.32	5.31
22 07 19 00-0844	EA		5" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	41.72	5.42
22 07 19 00-0845	EA		5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	42.15	5.52
22 07 19 00-0846	EA		5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	43.82	5.69
22 07 19 00-0847	EA		6" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	45.06	6.00
22 07 19 00-0848	EA		6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	54.44	6.34
22 07 19 00-0849	EA		7" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	55.04	6.50
22 07 19 00-0850	EA		7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	55.94	6.65
22 07 19 00-0851	EA		8" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	56.26	6.73
22 07 19 00-0852	EA		8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	64.09	6.90
22 07 19 00-0853	EA		9" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	64.79	7.08
22 07 19 00-0854	EA		9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	79.33	7.17
22 07 19 00-0855	EA		10" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	79.71	7.26
22 07 19 00-0856	EA		10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	76.81	7.36
22 07 19 00-0857	EA		11" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	77.21	7.46
22 07 19 00-0858	EA		11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	87.58	7.67
22 07 19 00-0859	EA		12" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	88.01	7.78
22 07 19 00-0860	EA		13" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	99.26	8.12
22 07 19 00-0861	EA		14" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	115.42	8.36
22 07 19 00-0862	EA		15" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	160.78	8.62
22 07 19 00-0863	EA		16" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	171.94	8.77
22 07 19 00-0864	EA		17" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	169.29	8.91
22 07 19 00-0865	EA		18" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	188.67	9.05
22 07 19 00-0866	EA		19" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	223.05	9.20
22 07 19 00-0867	EA		20" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	217.55	9.36
22 07 19 00-0868	EA		21" ID, Aluminum 45 Degree Elbow Insulation Jacketing.....	232.53	9.52
22 07 19 00-0869	EA		2-1/2" ID, Aluminum Tee Insulation Jacketing.....	103.60	6.27
22 07 19 00-0870	EA		2-3/4" ID, Aluminum Tee Insulation Jacketing.....	104.18	6.42
22 07 19 00-0871	EA		3" ID, Aluminum Tee Insulation Jacketing.....	114.97	6.58
22 07 19 00-0872	EA		3-1/4" ID, Aluminum Tee Insulation Jacketing.....	115.61	6.73
22 07 19 00-0873	EA		3-1/2" ID, Aluminum Tee Insulation Jacketing.....	120.54	6.90
22 07 19 00-0874	EA		4" ID, Aluminum Tee Insulation Jacketing.....	122.24	7.08
22 07 19 00-0875	EA		4-1/4" ID, Aluminum Tee Insulation Jacketing.....	128.41	7.26
22 07 19 00-0876	EA		4-1/2" ID, Aluminum Tee Insulation Jacketing.....	128.38	7.46
22 07 19 00-0877	EA		4-3/4" ID, Aluminum Tee Insulation Jacketing.....	129.21	7.67
22 07 19 00-0878	EA		5" ID, Aluminum Tee Insulation Jacketing.....	133.76	7.89
22 07 19 00-0879	EA		5-1/4" ID, Aluminum Tee Insulation Jacketing.....	134.69	8.12
22 07 19 00-0880	EA		5-1/2" ID, Aluminum Tee Insulation Jacketing.....	140.21	8.36
22 07 19 00-0881	EA		6" ID, Aluminum Tee Insulation Jacketing.....	141.26	8.62
22 07 19 00-0882	EA		6-1/2" ID, Aluminum Tee Insulation Jacketing.....	154.07	9.20
22 07 19 00-0883	EA		7" ID, Aluminum Tee Insulation Jacketing.....	155.34	9.52
22 07 19 00-0884	EA		7-1/2" ID, Aluminum Tee Insulation Jacketing.....	169.82	9.85
22 07 19 00-0885	EA		8" ID, Aluminum Tee Insulation Jacketing.....	171.28	10.23
22 07 19 00-0886	EA		8-1/2" ID, Aluminum Tee Insulation Jacketing.....	176.30	10.62
22 07 19 00-0887	EA		9" ID, Aluminum Tee Insulation Jacketing.....	177.99	11.05
22 07 19 00-0888	EA		9-1/2" ID, Aluminum Tee Insulation Jacketing.....	144.39	11.27
22 07 19 00-0889	EA		10" ID, Aluminum Tee Insulation Jacketing.....	145.33	11.50
22 07 19 00-0890	EA		10-1/2" ID, Aluminum Tee Insulation Jacketing.....	152.78	11.75
22 07 19 00-0891	EA		11" ID, Aluminum Tee Insulation Jacketing.....	153.80	12.00
22 07 19 00-0892	EA		11-1/2" ID, Aluminum Tee Insulation Jacketing.....	160.64	12.27
22 07 19 00-0893	EA		12" ID, Aluminum Tee Insulation Jacketing.....	161.76	12.55
22 07 19 00-0894	EA		13" ID, Aluminum Tee Insulation Jacketing.....	168.47	12.84
22 07 19 00-0895	EA		14" ID, Aluminum Tee Insulation Jacketing.....	175.43	13.14
22 07 19 00-0896	EA		15" ID, Aluminum Tee Insulation Jacketing.....	186.74	13.47
22 07 19 00-0897	EA		16" ID, Aluminum Tee Insulation Jacketing.....	191.43	13.80
22 07 19 00-0898	EA		17" ID, Aluminum Tee Insulation Jacketing.....	213.24	14.15
22 07 19 00-0899	EA		18" ID, Aluminum Tee Insulation Jacketing.....	220.82	14.53
22 07 19 00-0900	EA		19" ID, Aluminum Tee Insulation Jacketing.....	239.61	14.92
22 07 19 00-0901	EA		20" ID, Aluminum Tee Insulation Jacketing.....	245.20	15.33
22 07 19 00-0902	EA		22" ID, Aluminum Tee Insulation Jacketing.....	296.98	15.78
22 07 19 00-0903	EA		23" ID, Aluminum Tee Insulation Jacketing.....	305.34	16.24
22 07 19 00-0904	EA		24" ID, Aluminum Tee Insulation Jacketing.....	317.88	17.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-0905			Stainless Steel Insulation Protective Jacketing With Bands <small>(22 07 19 00-0535)</small>		
22 07 19 00-0906			Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands <small>(22 07 19 00-0905)</small>		
22 07 19 00-0907	SF		0.010" Stainless Steel Insulation Jacket With Bands.....	25.84	10.35
22 07 19 00-0908	SF		0.016" Stainless Steel Insulation Jacket With Bands.....	31.72	12.42

22 07 19 00-0909			10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands <small>(22 07 19 00-0905)</small>		
22 07 19 00-0910	LF		2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.01	2.21
22 07 19 00-0911	LF		2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	13.56	2.25
22 07 19 00-0912	LF		3" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.11	2.30
22 07 19 00-0913	LF		3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	14.69	2.35
22 07 19 00-0914	LF		3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.26	2.40
22 07 19 00-0915	LF		3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	15.84	2.45
22 07 19 00-0916	LF		4" ID, 0.010" Stainless Steel Insulation Jacketing.....	16.44	2.51
22 07 19 00-0917	LF		4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.04	2.57
22 07 19 00-0918	LF		4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	17.64	2.63
22 07 19 00-0919	LF		5" ID, 0.010" Stainless Steel Insulation Jacketing.....	18.94	2.76
22 07 19 00-0920	LF		5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	20.24	2.90
22 07 19 00-0921	LF		6" ID, 0.010" Stainless Steel Insulation Jacketing.....	21.63	3.07
22 07 19 00-0922	LF		6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	22.72	3.16
22 07 19 00-0923	LF		7" ID, 0.010" Stainless Steel Insulation Jacketing.....	23.84	3.25
22 07 19 00-0924	LF		7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	25.06	3.37
22 07 19 00-0925	LF		8" ID, 0.010" Stainless Steel Insulation Jacketing.....	26.04	3.43
22 07 19 00-0926	LF		8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	27.04	3.49
22 07 19 00-0927	LF		9" ID, 0.010" Stainless Steel Insulation Jacketing.....	28.05	3.56
22 07 19 00-0928	LF		9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	29.08	3.63
22 07 19 00-0929	LF		10" ID, 0.010" Stainless Steel Insulation Jacketing.....	30.11	3.70
22 07 19 00-0930	LF		10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing.....	31.17	3.78
22 07 19 00-0931	LF		11" ID, 0.010" Stainless Steel Insulation Jacketing.....	32.22	3.86
22 07 19 00-0932	LF		12" ID, 0.010" Stainless Steel Insulation Jacketing.....	34.37	4.03
22 07 19 00-0933	LF		13" ID, 0.010" Stainless Steel Insulation Jacketing.....	36.46	4.19
22 07 19 00-0934	LF		14" ID, 0.010" Stainless Steel Insulation Jacketing.....	38.20	4.25

22 07 19 00-0935			16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands <small>(22 07 19 00-0905)</small>		
22 07 19 00-0936	LF		2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	17.80	2.94
22 07 19 00-0937	LF		2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	18.57	3.00
22 07 19 00-0938	LF		3" ID, 0.016" Stainless Steel Insulation Jacketing.....	19.36	3.06
22 07 19 00-0939	LF		3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.17	3.13
22 07 19 00-0940	LF		3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	20.98	3.20
22 07 19 00-0941	LF		3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	21.79	3.27
22 07 19 00-0942	LF		4" ID, 0.016" Stainless Steel Insulation Jacketing.....	22.63	3.34
22 07 19 00-0943	LF		4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing.....	23.47	3.42
22 07 19 00-0944	LF		4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	24.34	3.50
22 07 19 00-0945	LF		5" ID, 0.016" Stainless Steel Insulation Jacketing.....	26.13	3.67
22 07 19 00-0946	LF		5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	27.95	3.86
22 07 19 00-0947	LF		6" ID, 0.016" Stainless Steel Insulation Jacketing.....	29.89	4.08
22 07 19 00-0948	LF		6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	31.42	4.20
22 07 19 00-0949	LF		7" ID, 0.016" Stainless Steel Insulation Jacketing.....	33.01	4.32
22 07 19 00-0950	LF		7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	34.70	4.48
22 07 19 00-0951	LF		8" ID, 0.016" Stainless Steel Insulation Jacketing.....	36.12	4.56
22 07 19 00-0952	LF		8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	37.53	4.65
22 07 19 00-0953	LF		9" ID, 0.016" Stainless Steel Insulation Jacketing.....	38.98	4.74
22 07 19 00-0954	LF		9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	40.43	4.83
22 07 19 00-0955	LF		10" ID, 0.016" Stainless Steel Insulation Jacketing.....	41.88	4.93
22 07 19 00-0956	LF		10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing.....	43.37	5.03
22 07 19 00-0957	LF		11" ID, 0.016" Stainless Steel Insulation Jacketing.....	44.86	5.13
22 07 19 00-0958	LF		12" ID, 0.016" Stainless Steel Insulation Jacketing.....	47.89	5.36
22 07 19 00-0959	LF		13" ID, 0.016" Stainless Steel Insulation Jacketing.....	50.87	5.56
22 07 19 00-0960	LF		14" ID, 0.016" Stainless Steel Insulation Jacketing.....	53.35	5.65

22 07 19 00-0961			Type 316 Stainless Steel Insulation Protective Jacketing For Fittings <small>(22 07 19 00-0905)</small>		
22 07 19 00-0962	EA		2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	35.95	4.38
22 07 19 00-0963	EA		2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	36.38	4.49
22 07 19 00-0964	EA		3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	37.67	4.60
22 07 19 00-0965	EA		3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	38.14	4.72
22 07 19 00-0966	EA		3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	39.45	4.80
22 07 19 00-0967	EA		3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	40.93	4.88
22 07 19 00-0968	EA		4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	43.58	5.02
22 07 19 00-0969	EA		4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	51.70	5.11
22 07 19 00-0970	EA		4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	52.08	5.20
22 07 19 00-0971	EA		5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	53.62	5.42
22 07 19 00-0972	EA		5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	70.43	5.69
22 07 19 00-0973	EA		6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	76.33	6.00
22 07 19 00-0974	EA		6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	97.39	6.34
22 07 19 00-0975	EA		7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	97.99	6.50
22 07 19 00-0976	EA		7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	110.69	6.65
22 07 19 00-0977	EA		8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	111.69	6.90
22 07 19 00-0978	EA		8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing.....	114.55	6.90



**22 Plumbing****22 07 Plumbing Insulation****22 07 19 Plumbing Piping Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 07 19 00-0979	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	160.55	7.08
22 07 19 00-0980	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	158.62	7.17
22 07 19 00-0981	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	159.00	7.26
22 07 19 00-0982	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	184.91	7.36
22 07 19 00-0983	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	178.25	7.46
22 07 19 00-0984	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	199.59	7.78
22 07 19 00-0985	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	265.91	8.12
22 07 19 00-0986	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	268.48	8.36
22 07 19 00-0987	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	32.88	4.38
22 07 19 00-0988	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	33.31	4.49
22 07 19 00-0989	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	34.92	4.60
22 07 19 00-0990	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.39	4.72
22 07 19 00-0991	EA	3-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	35.94	4.80
22 07 19 00-0992	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	36.27	4.88
22 07 19 00-0993	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	41.58	5.02
22 07 19 00-0994	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	50.64	5.11
22 07 19 00-0995	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.02	5.20
22 07 19 00-0996	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	51.42	5.31
22 07 19 00-0997	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	52.36	5.42
22 07 19 00-0998	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	53.48	5.69
22 07 19 00-0999	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	60.43	6.00
22 07 19 00-1000	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	61.80	6.34
22 07 19 00-1001	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	87.61	6.50
22 07 19 00-1002	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	89.51	6.65
22 07 19 00-1003	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	89.83	6.73
22 07 19 00-1004	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	101.21	6.90
22 07 19 00-1005	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	101.91	7.08
22 07 19 00-1006	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	115.09	7.17
22 07 19 00-1007	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	115.47	7.26
22 07 19 00-1008	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	133.29	7.36
22 07 19 00-1009	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	133.69	7.46
22 07 19 00-1010	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	143.88	7.78
22 07 19 00-1011	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	165.18	8.12

**22 07 19 00-1012 Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-0535)****22 07 19 00-1013 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1012)**

22 07 19 00-1014	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.39	2.05
22 07 19 00-1015	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.10	2.13
22 07 19 00-1016	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.76	2.21
22 07 19 00-1017	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.52	2.30
22 07 19 00-1018	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.22	2.40
22 07 19 00-1019	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.01	2.51
22 07 19 00-1020	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.84	2.63
22 07 19 00-1021	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.68	2.76
22 07 19 00-1022	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.60	2.90
22 07 19 00-1023	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.60	3.07
22 07 19 00-1024	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.31	3.16
22 07 19 00-1025	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.98	3.25
22 07 19 00-1026	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.86	3.37
22 07 19 00-1027	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.41	3.43
22 07 19 00-1028	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.03	3.49
22 07 19 00-1029	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	20.64	3.56
22 07 19 00-1030	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.28	3.63
22 07 19 00-1031	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	21.88	3.70
22 07 19 00-1032	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	22.54	3.78
22 07 19 00-1033	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.20	3.86
22 07 19 00-1034	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	23.89	3.94
22 07 19 00-1035	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	24.54	4.03
22 07 19 00-1036	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	25.30	4.12
22 07 19 00-1037	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	25.84	4.19
22 07 19 00-1038	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	26.19	4.19
22 07 19 00-1039	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	26.82	4.25
22 07 19 00-1040	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	27.78	4.32
22 07 19 00-1041	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	28.71	4.38
22 07 19 00-1042	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	29.69	4.45
22 07 19 00-1043	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	30.70	4.53
22 07 19 00-1044	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	31.65	4.60
22 07 19 00-1045	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	32.67	4.68
22 07 19 00-1046	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	33.64	4.76
22 07 19 00-1047	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	34.69	4.84
22 07 19 00-1048	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	35.70	4.93
22 07 19 00-1049	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	36.75	5.02
22 07 19 00-1050	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	37.84	5.11
22 07 19 00-1051	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	38.87	5.20
22 07 19 00-1052	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	39.98	5.31
22 07 19 00-1053	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	41.05	5.42
22 07 19 00-1054	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	42.19	5.52
22 07 19 00-1055	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	43.34	5.63

**22 07 19 00-1056 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing (22 07 19 00-1012)**

22 07 19 00-1057	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.86	2.13
22 07 19 00-1058	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.71	2.21



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1059	LF		3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	12.63	2.30
22 07 19 00-1060	LF		3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	13.48	2.40
22 07 19 00-1061	LF		4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	14.42	2.51
22 07 19 00-1062	LF		4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	15.40	2.63
22 07 19 00-1063	LF		5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	16.44	2.76
22 07 19 00-1064	LF		5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	17.52	2.90
22 07 19 00-1065	LF		6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	18.67	3.07
22 07 19 00-1066	LF		6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	19.52	3.16
22 07 19 00-1067	LF		7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	20.40	3.25
22 07 19 00-1068	LF		7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	21.43	3.37
22 07 19 00-1069	LF		8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.19	3.43
22 07 19 00-1070	LF		8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	22.95	3.49
22 07 19 00-1071	LF		9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	23.71	3.56
22 07 19 00-1072	LF		9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	24.51	3.63
22 07 19 00-1073	LF		10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	25.30	3.70
22 07 19 00-1074	LF		10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.12	3.78
22 07 19 00-1075	LF		11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	26.93	3.86
22 07 19 00-1076	LF		11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	27.77	3.94
22 07 19 00-1077	LF		12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	28.62	4.03
22 07 19 00-1078	LF		12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	29.53	4.12
22 07 19 00-1079	LF		13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	30.28	4.19
22 07 19 00-1080	LF		13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	30.78	4.19
22 07 19 00-1081	LF		14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	31.55	4.25
22 07 19 00-1082	LF		15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	32.82	4.32
22 07 19 00-1083	LF		16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	34.10	4.38
22 07 19 00-1084	LF		17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	35.39	4.45
22 07 19 00-1085	LF		18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	36.75	4.53
22 07 19 00-1086	LF		19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	38.05	4.60
22 07 19 00-1087	LF		20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	39.37	4.68
22 07 19 00-1088	LF		21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	40.70	4.76
22 07 19 00-1089	LF		22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	42.05	4.84
22 07 19 00-1090	LF		23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	43.41	4.93
22 07 19 00-1091	LF		24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	44.76	5.02
22 07 19 00-1092	LF		25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	46.20	5.11
22 07 19 00-1093	LF		26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	47.59	5.20
22 07 19 00-1094	LF		27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	49.00	5.31
22 07 19 00-1095	LF		28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	50.43	5.42
22 07 19 00-1096	LF		29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	51.86	5.52
22 07 19 00-1097	LF		30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing .....	53.32	5.63

**22 07 19 00-1098 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings (22 07 19 00-**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1099	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	19.13	4.09
22 07 19 00-1100	EA		2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	20.42	4.25
22 07 19 00-1101	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	21.08	4.32
22 07 19 00-1102	EA		2-1/2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	21.75	4.38
22 07 19 00-1103	EA		2-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	22.54	4.49
22 07 19 00-1104	EA		3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	23.24	4.60
22 07 19 00-1105	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	24.52	4.76
22 07 19 00-1106	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	25.69	4.88
22 07 19 00-1107	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	27.83	5.02
22 07 19 00-1108	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	30.40	5.26
22 07 19 00-1109	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	33.02	5.52
22 07 19 00-1110	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	37.65	5.81
22 07 19 00-1111	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	48.58	6.13
22 07 19 00-1112	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	50.68	6.34
22 07 19 00-1113	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	57.68	6.50
22 07 19 00-1114	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	59.87	6.65
22 07 19 00-1115	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	70.40	6.90
22 07 19 00-1116	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	85.83	7.17
22 07 19 00-1117	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	93.64	7.46
22 07 19 00-1118	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	104.22	7.78
22 07 19 00-1119	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	124.79	8.12
22 07 19 00-1120	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	138.99	8.36
22 07 19 00-1121	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	147.90	8.62
22 07 19 00-1122	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	158.82	8.77
22 07 19 00-1123	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	172.95	8.91
22 07 19 00-1124	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	213.34	9.05
22 07 19 00-1125	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	277.29	9.20
22 07 19 00-1126	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing .....	346.50	9.36
22 07 19 00-1127	EA		1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	19.13	4.09
22 07 19 00-1128	EA		2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	20.42	4.25
22 07 19 00-1129	EA		2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	21.08	4.32
22 07 19 00-1130	EA		2-1/2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	21.75	4.38
22 07 19 00-1131	EA		2-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	22.54	4.49
22 07 19 00-1132	EA		3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	23.24	4.60
22 07 19 00-1133	EA		3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	24.52	4.76
22 07 19 00-1134	EA		3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	25.69	4.88
22 07 19 00-1135	EA		4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	27.83	5.02
22 07 19 00-1136	EA		4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	30.40	5.26
22 07 19 00-1137	EA		5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	33.02	5.52
22 07 19 00-1138	EA		5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	37.65	5.81
22 07 19 00-1139	EA		6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	48.58	6.13
22 07 19 00-1140	EA		6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	50.68	6.34
22 07 19 00-1141	EA		7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	57.68	6.50

**22 Plumbing**  
**22 07 Plumbing Insulation**  
**22 07 19 Plumbing Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1142	EA		7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	59.87	6.65
22 07 19 00-1143	EA		8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	70.40	6.90
22 07 19 00-1144	EA		9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	85.83	7.17
22 07 19 00-1145	EA		10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	93.59	7.46
22 07 19 00-1146	EA		11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	101.40	7.78
22 07 19 00-1147	EA		12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	110.93	8.12
22 07 19 00-1148	EA		14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	123.11	8.36
22 07 19 00-1149	EA		15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	130.71	8.62
22 07 19 00-1150	EA		16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	144.91	8.77
22 07 19 00-1151	EA		17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	159.34	8.91
22 07 19 00-1152	EA		18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	187.38	9.05
22 07 19 00-1153	EA		19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	243.03	9.20
22 07 19 00-1154	EA		20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing .....	271.01	9.36
22 07 19 00-1155	EA		1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	28.25	5.75
22 07 19 00-1156	EA		2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	29.44	5.87
22 07 19 00-1157	EA		2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	30.72	6.06
22 07 19 00-1158	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	32.16	6.27
22 07 19 00-1159	EA		2-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	33.74	6.50
22 07 19 00-1160	EA		3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	35.35	6.73
22 07 19 00-1161	EA		3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	37.63	6.99
22 07 19 00-1162	EA		3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	40.05	7.26
22 07 19 00-1163	EA		4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	43.25	7.57
22 07 19 00-1164	EA		4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	47.72	7.89
22 07 19 00-1165	EA		5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	52.41	8.24
22 07 19 00-1166	EA		5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	60.90	8.77
22 07 19 00-1167	EA		6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	70.78	9.20
22 07 19 00-1168	EA		6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	79.46	9.36
22 07 19 00-1169	EA		7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	106.67	9.68
22 07 19 00-1170	EA		7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	115.37	10.23
22 07 19 00-1171	EA		8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	133.08	10.62
22 07 19 00-1172	EA		9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	151.00	11.05
22 07 19 00-1173	EA		10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	154.11	11.50
22 07 19 00-1174	EA		11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	167.07	11.75
22 07 19 00-1175	EA		12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	180.09	12.00
22 07 19 00-1176	EA		14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	193.25	12.27
22 07 19 00-1177	EA		15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	206.31	12.55
22 07 19 00-1178	EA		16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	219.52	12.84
22 07 19 00-1179	EA		17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	232.63	13.14
22 07 19 00-1180	EA		18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	252.06	13.47
22 07 19 00-1181	EA		19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	271.45	13.80
22 07 19 00-1182	EA		20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing .....	294.90	14.15
22 07 19 00-1183	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	37.70	3.94
22 07 19 00-1184	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	37.70	3.94
22 07 19 00-1185	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	44.13	4.09
22 07 19 00-1186	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	44.13	4.09
22 07 19 00-1187	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	60.78	4.25
22 07 19 00-1188	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	66.29	4.42
22 07 19 00-1189	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	72.88	4.60
22 07 19 00-1190	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	82.25	4.80
22 07 19 00-1191	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	90.32	5.02
22 07 19 00-1192	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	109.41	5.52
22 07 19 00-1193	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	153.55	6.13
22 07 19 00-1194	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	168.11	6.90
22 07 19 00-1195	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	209.20	7.36
22 07 19 00-1196	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	291.00	8.12
22 07 19 00-1197	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	292.95	8.49
22 07 19 00-1198	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	387.26	8.77
22 07 19 00-1199	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing .....	520.60	9.05
22 07 19 00-1200	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	35.28	3.94
22 07 19 00-1201	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	35.28	3.94
22 07 19 00-1202	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	41.20	4.09
22 07 19 00-1203	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	41.20	4.09
22 07 19 00-1204	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	56.00	4.25
22 07 19 00-1205	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	60.95	4.42
22 07 19 00-1206	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	67.03	4.60
22 07 19 00-1207	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	70.51	4.80
22 07 19 00-1208	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	82.56	5.02
22 07 19 00-1209	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	99.79	5.52
22 07 19 00-1210	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	139.39	6.13
22 07 19 00-1211	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	152.59	6.90
22 07 19 00-1212	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	189.44	7.36
22 07 19 00-1213	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	262.72	8.12
22 07 19 00-1214	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	333.47	8.49
22 07 19 00-1215	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	397.89	8.77
22 07 19 00-1216	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing .....	464.46	9.05
22 07 19 00-1217	EA		3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	52.31	5.93
22 07 19 00-1218	EA		1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	52.31	5.93
22 07 19 00-1219	EA		1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	60.62	6.13
22 07 19 00-1220	EA		1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	60.62	6.13
22 07 19 00-1221	EA		2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	82.28	6.34
22 07 19 00-1222	EA		2-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	89.59	6.58
22 07 19 00-1223	EA		3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	98.41	6.90
22 07 19 00-1224	EA		3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	103.72	7.17
22 07 19 00-1225	EA		4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	121.87	7.57
22 07 19 00-1226	EA		5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	133.90	8.24

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 07 19 00-1227	EA		6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	186.13	9.20
22 07 19 00-1228	EA		8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	202.76	10.23
22 07 19 00-1229	EA		10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	277.89	11.05
22 07 19 00-1230	EA		12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	383.98	12.00
22 07 19 00-1231	EA		14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	457.18	12.84
22 07 19 00-1232	EA		16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	539.39	13.14
22 07 19 00-1233	EA		18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing .....	590.16	13.47

## 22 10 Plumbing Piping <sup>(22)</sup>

### 22 11 Facility Water Distribution <sup>(22 10)</sup>

#### 22 11 16 Domestic Water Piping <sup>(22 11)</sup>

See CSI section 23 21 13 00-0000 for black steel piping and fitting.

#### 22 11 16 00-0001 Galvanized Steel Pipe Assemblies <sup>(22 11 16)</sup>

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Includes cutting and threading to length where necessary. Not for use where detail is available.

22 11 16 00-0002	LF		1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	24.59	5.59
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.43	
			<i>For ASTM 120, Deduct</i>	-0.91	
			<i>For Work In Restricted Working Space, Add</i>	5.56	
22 11 16 00-0003	LF		3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	27.03	6.00
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.26	
			<i>For ASTM 120, Deduct</i>	-1.11	
			<i>For Work In Restricted Working Space, Add</i>	5.88	
22 11 16 00-0004	LF		1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	30.74	6.57
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.59	
			<i>For ASTM 120, Deduct</i>	-1.47	
			<i>For Work In Restricted Working Space, Add</i>	6.29	
22 11 16 00-0005	LF		1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	36.17	6.85
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	10.71	
			<i>For ASTM 120, Deduct</i>	-2.09	
			<i>For Work In Restricted Working Space, Add</i>	6.68	
22 11 16 00-0006	LF		1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	38.98	8.10
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	11.74	
			<i>For ASTM 120, Deduct</i>	-2.37	
			<i>For Work In Restricted Working Space, Add</i>	6.96	
22 11 16 00-0007	LF		2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	47.00	9.77
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	14.55	
			<i>For ASTM 120, Deduct</i>	-3.09	
			<i>For Work In Restricted Working Space, Add</i>	7.92	
22 11 16 00-0008	LF		2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	67.21	11.59
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	22.51	
			<i>For ASTM 120, Deduct</i>	-5.44	
			<i>For Work In Restricted Working Space, Add</i>	9.29	
22 11 16 00-0009	LF		3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	83.39	15.50
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	28.15	
			<i>For ASTM 120, Deduct</i>	-6.88	
			<i>For Work In Restricted Working Space, Add</i>	11.25	
22 11 16 00-0010	LF		4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	123.46	17.97
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	45.06	
			<i>For ASTM 120, Deduct</i>	-12.22	
			<i>For Work In Restricted Working Space, Add</i>	12.59	
22 11 16 00-0011	LF		5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	219.04	22.97
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	85.89	
			<i>For ASTM 120, Deduct</i>	-25.25	
			<i>For Work In Restricted Working Space, Add</i>	15.21	
22 11 16 00-0012	LF		6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	247.88	27.16
			Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	97.14	
			<i>For ASTM 120, Deduct</i>	-28.54	
			<i>For Work In Restricted Working Space, Add</i>	17.29	

#### 22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings <sup>(22 11 16)</sup>

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0014			<b>Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small> Note: ASTM A-53. Welded pipe has a weld bead on the inside. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0015	LF		1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 11.89		5.59
			For Schedule 80 Pipe, Add 2.49		
			For ASTM 120, Deduct -0.51		
			For Work In Restricted Working Space, Add 2.54		
22 11 16 00-0016	LF		3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 13.54		6.00
			For Schedule 80 Pipe, Add 3.08		
			For ASTM 120, Deduct -0.68		
			For Work In Restricted Working Space, Add 2.70		
22 11 16 00-0017	LF		1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 16.49		6.57
			For Schedule 80 Pipe, Add 4.21		
			For ASTM 120, Deduct -1.01		
			For Work In Restricted Working Space, Add 2.93		
22 11 16 00-0018	LF		1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 19.46		6.85
			For Schedule 80 Pipe, Add 5.41		
			For ASTM 120, Deduct -1.37		
			For Work In Restricted Working Space, Add 3.11		
22 11 16 00-0019	LF		1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 23.04		8.10
			For Schedule 80 Pipe, Add 6.45		
			For ASTM 120, Deduct -1.64		
			For Work In Restricted Working Space, Add 3.64		
22 11 16 00-0020	LF		2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 29.33		9.77
			For Schedule 80 Pipe, Add 8.49		
			For ASTM 120, Deduct -2.19		
			For Work In Restricted Working Space, Add 4.41		
22 11 16 00-0021	LF		2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 40.67		11.59
			For Schedule 80 Pipe, Add 12.89		
			For ASTM 120, Deduct -3.48		
			For Work In Restricted Working Space, Add 5.24		
22 11 16 00-0022	LF		3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 53.67		15.50
			For Schedule 80 Pipe, Add 16.92		
			For ASTM 120, Deduct -4.56		
			For Work In Restricted Working Space, Add 6.98		
22 11 16 00-0023	LF		4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 70.28		17.97
			For Schedule 80 Pipe, Add 23.47		
			For ASTM 120, Deduct -6.49		
			For Work In Restricted Working Space, Add 8.11		
22 11 16 00-0024	LF		5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 92.41		22.97
			For Schedule 80 Pipe, Add 31.29		
			For ASTM 120, Deduct -8.70		
			For Work In Restricted Working Space, Add 10.32		
22 11 16 00-0025	LF		6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 115.94		27.16
			For Schedule 80 Pipe, Add 40.19		
			For ASTM 120, Deduct -11.29		
			For Work In Restricted Working Space, Add 12.20		
22 11 16 00-0026	LF		8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe ..... 130.44		32.84
			For Schedule 80 Pipe, Add 43.94		
			For ASTM 120, Deduct -12.20		
			For Work In Restricted Working Space, Add 14.74		
22 11 16 00-0027			<b>Seamless, Threaded And Coupled, Galvanized Steel Pipe</b> <small>(22 11 16 00-0013)</small> Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.		
22 11 16 00-0028	LF		1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... 17.87		5.59
			For Schedule 80 Pipe, Add 5.36		
			For ASTM 120, Deduct -1.41		
			For Work In Restricted Working Space, Add 2.54		
22 11 16 00-0029	LF		3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... 20.28		6.00
			For Schedule 80 Pipe, Add 6.31		
			For ASTM 120, Deduct -1.69		
			For Work In Restricted Working Space, Add 2.70		
22 11 16 00-0030	LF		1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... 22.87		6.57
			For Schedule 80 Pipe, Add 7.27		
			For ASTM 120, Deduct -1.97		
			For Work In Restricted Working Space, Add 2.93		
22 11 16 00-0031	LF		1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... 26.82		6.85
			For Schedule 80 Pipe, Add 8.94		
			For ASTM 120, Deduct -2.47		
			For Work In Restricted Working Space, Add 3.11		
22 11 16 00-0032	LF		1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... 30.95		8.10
			For Schedule 80 Pipe, Add 10.24		
			For ASTM 120, Deduct -2.82		
			For Work In Restricted Working Space, Add 3.64		
22 11 16 00-0033	LF		2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... 36.13		9.77
			For Schedule 80 Pipe, Add 11.76		
			For ASTM 120, Deduct -3.21		
			For Work In Restricted Working Space, Add 4.41		
22 11 16 00-0034	LF		2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... 53.32		11.59
			For Schedule 80 Pipe, Add 18.96		
			For ASTM 120, Deduct -5.38		
			For Work In Restricted Working Space, Add 5.24		
22 11 16 00-0035	LF		3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... 67.13		15.50
			For Schedule 80 Pipe, Add 23.38		
			For ASTM 120, Deduct -6.58		
			For Work In Restricted Working Space, Add 6.98		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0036	LF		4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	89.71 32.79 -9.40 8.11	17.97
22 11 16 00-0037	LF		5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	116.21 42.71 -12.27 10.32	22.97
22 11 16 00-0038	LF		6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe ..... For Schedule 80 Pipe, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	145.35 54.31 -15.70 12.20	27.16
<b>22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows (22 11 16 00-0013)</b>					
22 11 16 00-0040	EA		1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	42.31 19.47 -0.76 11.17	24.86
22 11 16 00-0041	EA		3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	47.92 23.68 -0.93 12.51	27.79
22 11 16 00-0042	EA		1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	58.09 42.03 -1.73 13.97	31.00
22 11 16 00-0043	EA		1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	70.92 65.14 -2.73 15.81	35.20
22 11 16 00-0044	EA		1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	83.22 84.45 -3.57 17.83	39.66
22 11 16 00-0045	EA		2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	114.45 137.03 -5.85 22.64	50.41
22 11 16 00-0046	EA		2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	213.70 353.44 -15.30 33.52	74.58
22 11 16 00-0047	EA		3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	315.12 580.46 -25.22 44.10	98.03
22 11 16 00-0048	EA		4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	454.18 1,017.69 -44.48 47.29	105.12
22 11 16 00-0049	EA		5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	1,445.08 4,363.88 -192.09 49.35	109.71
22 11 16 00-0050	EA		6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	1,352.53 4,024.26 -177.09 51.59	114.71
22 11 16 00-0051	EA		8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow ..... For 300 LB Rating, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	1,603.99 4,853.33 -213.64 53.91	119.86
<b>22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows (22 11 16 00-0013)</b>					
22 11 16 00-0053	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add	50.29 -1.62 11.84	26.25
22 11 16 00-0054	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add	58.00 -2.08 13.23	29.47
22 11 16 00-0055	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add	56.63 -2.21 12.57	27.92
22 11 16 00-0056	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add	72.93 -3.50 14.89	33.10
22 11 16 00-0057	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add	75.19 -4.20 14.16	31.42
22 11 16 00-0058	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add	74.64 -4.45 13.49	30.02
22 11 16 00-0059	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add	93.30 -5.59 16.82	37.42
22 11 16 00-0060	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow ..... For ASTM 120, Deduct For Work In Restricted Working Space, Add	90.23 -5.59 15.89	35.33



**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0061	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	87.80	33.65
			<i>For ASTM 120, Deduct</i>	-5.59	
			<i>For Work In Restricted Working Space, Add</i>	15.17	
22 11 16 00-0062	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	110.97	44.97
			<i>For ASTM 120, Deduct</i>	-6.53	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
22 11 16 00-0063	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	113.98	42.73
			<i>For ASTM 120, Deduct</i>	-7.48	
			<i>For Work In Restricted Working Space, Add</i>	19.23	
22 11 16 00-0064	EA		2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	112.77	40.64
			<i>For ASTM 120, Deduct</i>	-7.76	
			<i>For Work In Restricted Working Space, Add</i>	18.30	
22 11 16 00-0065	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	97.85	39.10
			<i>For ASTM 120, Deduct</i>	-5.89	
			<i>For Work In Restricted Working Space, Add</i>	17.57	
22 11 16 00-0066	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	241.10	62.42
			<i>For ASTM 120, Deduct</i>	-22.13	
			<i>For Work In Restricted Working Space, Add</i>	28.08	
22 11 16 00-0067	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	249.91	57.12
			<i>For ASTM 120, Deduct</i>	-24.65	
			<i>For Work In Restricted Working Space, Add</i>	25.67	
22 11 16 00-0068	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	397.43	86.30
			<i>For ASTM 120, Deduct</i>	-40.21	
			<i>For Work In Restricted Working Space, Add</i>	38.81	
22 11 16 00-0069	EA		3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	344.08	74.15
			<i>For ASTM 120, Deduct</i>	-34.93	
			<i>For Work In Restricted Working Space, Add</i>	33.37	
22 11 16 00-0070	EA		4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	756.58	99.98
			<i>For ASTM 120, Deduct</i>	-91.00	
			<i>For Work In Restricted Working Space, Add</i>	44.98	
<b>22 11 16 00-0071</b>			<b>Galvanized Malleable Iron 45 Degree Elbow (22 11 16 00-0013)</b>		
22 11 16 00-0072	EA		1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	43.95	24.86
			<i>For 300 LB Rating, Add</i>	25.05	
			<i>For ASTM 120, Deduct</i>	-1.01	
			<i>For Work In Restricted Working Space, Add</i>	11.17	
22 11 16 00-0073	EA		3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	51.35	27.79
			<i>For 300 LB Rating, Add</i>	35.35	
			<i>For ASTM 120, Deduct</i>	-1.45	
			<i>For Work In Restricted Working Space, Add</i>	12.51	
22 11 16 00-0074	EA		1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	57.45	31.00
			<i>For 300 LB Rating, Add</i>	39.85	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	13.97	
22 11 16 00-0075	EA		1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	73.05	35.20
			<i>For 300 LB Rating, Add</i>	72.39	
			<i>For ASTM 120, Deduct</i>	-3.05	
			<i>For Work In Restricted Working Space, Add</i>	15.81	
22 11 16 00-0076	EA		1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	83.35	39.66
			<i>For 300 LB Rating, Add</i>	84.89	
			<i>For ASTM 120, Deduct</i>	-3.59	
			<i>For Work In Restricted Working Space, Add</i>	17.83	
22 11 16 00-0077	EA		2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	110.87	50.41
			<i>For 300 LB Rating, Add</i>	124.85	
			<i>For ASTM 120, Deduct</i>	-5.31	
			<i>For Work In Restricted Working Space, Add</i>	22.64	
22 11 16 00-0078	EA		2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	234.86	74.58
			<i>For 300 LB Rating, Add</i>	425.38	
			<i>For ASTM 120, Deduct</i>	-18.47	
			<i>For Work In Restricted Working Space, Add</i>	33.52	
22 11 16 00-0079	EA		3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	326.09	98.03
			<i>For 300 LB Rating, Add</i>	617.76	
			<i>For ASTM 120, Deduct</i>	-26.87	
			<i>For Work In Restricted Working Space, Add</i>	44.10	
22 11 16 00-0080	EA		4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	457.90	105.12
			<i>For 300 LB Rating, Add</i>	1,030.34	
			<i>For ASTM 120, Deduct</i>	-45.04	
			<i>For Work In Restricted Working Space, Add</i>	47.29	
22 11 16 00-0081	EA		5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,377.77	109.71
			<i>For 300 LB Rating, Add</i>	4,135.02	
			<i>For ASTM 120, Deduct</i>	-181.99	
			<i>For Work In Restricted Working Space, Add</i>	49.35	
22 11 16 00-0082	EA		6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,634.90	114.71
			<i>For 300 LB Rating, Add</i>	4,984.31	
			<i>For ASTM 120, Deduct</i>	-219.44	
			<i>For Work In Restricted Working Space, Add</i>	51.59	
22 11 16 00-0083	EA		8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,942.13	119.86
			<i>For 300 LB Rating, Add</i>	6,003.01	
			<i>For ASTM 120, Deduct</i>	-264.36	
			<i>For Work In Restricted Working Space, Add</i>	53.91	
<b>22 11 16 00-0084</b>			<b>Galvanized Malleable Iron Tees (22 11 16 00-0013)</b>		
22 11 16 00-0085	EA		1/2", 150 LB, Galvanized Malleable Iron Tee	53.12	31.00
			<i>For 300 LB Rating, Add</i>	25.13	
			<i>For ASTM 120, Deduct</i>	-0.99	
			<i>For Work In Restricted Working Space, Add</i>	13.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0086	EA		3/4", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	64.54 40.04 -1.62 16.11	35.89
22 11 16 00-0087	EA		1", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	80.98 63.34 -2.63 19.04	42.31
22 11 16 00-0088	EA		1-1/4", 150 LB, Galvanized Malleable Iron Tee ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	103.28 99.05 -4.17 22.64	50.41
22 11 16 00-0089	EA		1-1/2", 150 LB, Galvanized Malleable Iron Tee ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	124.65 122.88 -5.18 27.03	60.04
22 11 16 00-0090	EA		2", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	167.88 197.65 -8.42 33.52	74.58
22 11 16 00-0091	EA		2-1/2", 150 LB, Galvanized Malleable Iron Tee ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	279.54 544.86 -23.72 36.43	81.00
22 11 16 00-0092	EA		3", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	332.40 639.21 -27.81 44.10	98.03
22 11 16 00-0093	EA		4", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	637.75 1,503.29 -65.79 59.74	132.82
22 11 16 00-0094	EA		5", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,615.23 4,702.01 -206.82 70.94	157.68
22 11 16 00-0095	EA		6", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,834.08 5,333.30 -234.58 81.07	180.25
22 11 16 00-0096	EA		8", 150 LB, Galvanized Malleable Iron Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,182.43 6,337.13 -278.72 97.29	214.03
<b>22 11 16 00-0097</b>			<b>Galvanized Malleable Iron Reducing Tee (22 11 16 00-0013)</b>		
22 11 16 00-0098	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	61.82 54.71 -2.29 13.97	31.00
22 11 16 00-0099	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	68.77 54.43 -2.26 16.11	35.89
22 11 16 00-0100	EA		1", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	84.63 75.75 -3.17 19.04	42.31
22 11 16 00-0101	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	108.29 116.08 -4.92 22.64	50.41
22 11 16 00-0102	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	130.62 143.17 -6.08 27.03	60.04
22 11 16 00-0103	EA		2", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	170.89 207.88 -8.88 33.52	74.58
22 11 16 00-0104	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	330.78 717.81 -31.35 36.54	81.27
22 11 16 00-0105	EA		3", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	420.34 930.43 -40.65 44.80	99.56
22 11 16 00-0106	EA		4", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	984.77 2,683.16 -117.85 59.74	132.82
22 11 16 00-0107	EA		5", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,058.19 6,208.07 -273.26 70.94	157.68

**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0108	EA		6", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,337.15 7,043.74 -310.04 81.07	180.25
22 11 16 00-0109	EA		8", 150 LB, Galvanized Malleable Iron Reducing Tee..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,802.95 8,492.06 -373.83 93.23	206.97
<b>22 11 16 00-0110 Galvanized Malleable Iron Couplings (22 11 16 00-0013)</b>					
22 11 16 00-0111	EA		1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	47.87 38.38 -1.59 11.17	24.86
22 11 16 00-0112	EA		3/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.94 44.15 -1.84 12.51	27.79
22 11 16 00-0113	EA		1", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.62 71.03 -3.01 13.97	31.00
22 11 16 00-0114	EA		1-1/4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	81.00 99.42 -4.25 15.81	35.20
22 11 16 00-0115	EA		1-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	91.60 112.94 -4.83 17.83	39.66
22 11 16 00-0116	EA		2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	122.52 164.46 -7.06 22.64	50.41
22 11 16 00-0117	EA		2-1/2", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	255.71 496.27 -21.60 33.52	74.58
22 11 16 00-0118	EA		3", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	339.44 663.15 -28.87 44.10	98.03
22 11 16 00-0119	EA		4", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	566.36 1,399.11 -61.31 47.29	105.12
22 11 16 00-0120	EA		5", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,315.37 3,922.86 -172.63 49.35	109.71
22 11 16 00-0121	EA		6", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,483.12 4,468.26 -196.67 51.59	114.71
22 11 16 00-0122	EA		8", 150 LB, Galvanized Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,759.93 5,383.53 -237.03 53.91	119.86
<b>22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings (22 11 16 00-0013)</b>					
22 11 16 00-0124	EA		1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	50.13 46.06 -1.93 11.17	24.86
22 11 16 00-0125	EA		3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	55.47 49.35 -2.07 12.51	27.79
22 11 16 00-0126	EA		1", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	69.53 80.93 -3.45 13.97	31.00
22 11 16 00-0127	EA		1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	82.39 104.14 -4.46 15.81	35.20
22 11 16 00-0128	EA		1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	97.74 133.82 -5.75 17.83	39.66
22 11 16 00-0129	EA		2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	127.73 182.18 -7.84 22.64	50.41
22 11 16 00-0130	EA		2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	257.53 502.46 -21.87 33.52	74.58

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0131	EA		3", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	333.98 644.59 -28.05 44.10	98.03
22 11 16 00-0132	EA		4", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	576.89 1,434.91 -62.89 47.29	105.12
22 11 16 00-0133	EA		5", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,375.95 4,128.83 -181.72 49.35	109.71
22 11 16 00-0134	EA		6", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,552.12 4,702.86 -207.02 51.59	114.71
22 11 16 00-0135	EA		8", 150 LB, Galvanized Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,843.72 5,668.42 -249.60 53.91	119.86
<b>22 11 16 00-0136 Galvanized Malleable Iron Caps (22 11 16 00-0013)</b>					
22 11 16 00-0137	EA		1/2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.13 10.13 -0.40 5.24	11.59
22 11 16 00-0138	EA		3/4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.31 13.66 -0.55 5.59	12.42
22 11 16 00-0139	EA		1", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.06 16.86 -0.69 6.44	14.38
22 11 16 00-0140	EA		1-1/4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.54 21.82 -0.90 6.76	15.09
22 11 16 00-0141	EA		1-1/2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.16 20.53 -0.85 6.76	15.09
22 11 16 00-0142	EA		2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	42.10 42.84 -1.81 9.01	19.97
22 11 16 00-0143	EA		2-1/2", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	64.34 94.37 -4.07 11.17	24.86
22 11 16 00-0144	EA		3", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	83.62 133.84 -5.79 13.52	30.02
22 11 16 00-0145	EA		4", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	126.16 248.45 -10.82 16.21	36.08
22 11 16 00-0146	EA		5", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	306.96 818.01 -35.91 20.27	45.13
22 11 16 00-0147	EA		6", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	382.21 1,030.68 -45.26 24.15	53.64
22 11 16 00-0148	EA		8", 150 LB, Galvanized Malleable Iron Cap ..... <i>For 300 LB Rating, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	480.87 1,334.86 -58.65 26.96	59.94
<b>22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions (22 11 16 00-0013)</b>					
22 11 16 00-0150	EA		1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	64.19 13.97	31.00
22 11 16 00-0151	EA		3/4", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	73.99 16.11	35.89
22 11 16 00-0152	EA		1", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	90.02 19.04	42.31
22 11 16 00-0153	EA		1-1/4", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	113.87 22.64	50.41
22 11 16 00-0154	EA		1-1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	136.61 27.03	60.04
22 11 16 00-0155	EA		2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	165.19 33.52	74.58
22 11 16 00-0156	EA		2-1/2", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	350.65 49.47	109.90
22 11 16 00-0157	EA		3", 150 LB, Galvanized Malleable Iron Union ..... <i>For Work In Restricted Working Space, Add</i>	476.94 65.10	144.53

**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0158	EA	1/2"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	82.42 13.96	31.00
22 11 16 00-0159	EA	3/4"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	86.31 16.11	35.89
22 11 16 00-0160	EA	1"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	103.89 19.04	42.31
22 11 16 00-0161	EA	1-1/4"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	136.68 22.64	50.41
22 11 16 00-0162	EA	1-1/2"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	160.56 27.03	60.04
22 11 16 00-0163	EA	2"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	211.23 33.52	74.58
22 11 16 00-0164	EA	2-1/2"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	426.69 49.48	109.90
22 11 16 00-0165	EA	3"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	618.63 65.10	144.53
22 11 16 00-0166	EA	4"	250 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	862.72 69.81	155.12
22 11 16 00-0167	EA	1/2"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	87.42 13.96	31.00
22 11 16 00-0168	EA	3/4"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	98.04 16.11	35.89
22 11 16 00-0169	EA	1"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	122.28 19.04	42.31
22 11 16 00-0170	EA	1-1/4"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	157.48 22.64	50.41
22 11 16 00-0171	EA	1-1/2"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	188.84 27.03	60.04
22 11 16 00-0172	EA	2"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	230.24 33.52	74.58
22 11 16 00-0173	EA	2-1/2"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	495.51 49.48	109.90
22 11 16 00-0174	EA	3"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	776.11 65.10	144.53
22 11 16 00-0175	EA	4"	300 LB, Galvanized Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	1,634.97 69.81	155.12
<b>22 11 16 00-0176 Galvanized Steel Nipples (22 11 16 00-0013)</b>					
Note: ASTM A-53.					
22 11 16 00-0177	EA	3/8" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.77 3.21 -0.42 5.99	13.27
22 11 16 00-0178	EA	1/2" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.23 2.60 -0.34 5.99	13.27
22 11 16 00-0179	EA	3/4" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.72 3.16 -0.42 5.99	13.27
22 11 16 00-0180	EA	1" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.28 4.33 -0.57 6.44	14.38
22 11 16 00-0181	EA	1-1/4" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.37 5.80 -0.76 6.98	15.50
22 11 16 00-0182	EA	1-1/2" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.25 6.81 -0.90 6.98	15.50
22 11 16 00-0183	EA	2" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	38.45 9.60 -1.26 9.01	19.97
22 11 16 00-0184	EA	2-1/2" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	62.31 28.58 -3.76 11.17	24.86
22 11 16 00-0185	EA	3" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	75.09 34.25 -4.51 13.52	30.02
22 11 16 00-0186	EA	4" x Close,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	99.07 51.33 -6.75 16.21	36.08
22 11 16 00-0187	EA	3/8" x 1-1/2" Long,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.18 3.68 -0.48 5.99	13.27
22 11 16 00-0188	EA	1/2" x 1-1/2" Long,	Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.35 2.74 -0.36 5.99	13.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0189	EA		3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.96 3.43 -0.45 5.99	13.27
22 11 16 00-0190	EA		3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.18 3.68 -0.48 5.99	13.27
22 11 16 00-0191	EA		1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.35 2.74 -0.36 5.99	13.27
22 11 16 00-0192	EA		3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.96 3.43 -0.45 5.99	13.27
22 11 16 00-0193	EA		1" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	25.96 5.11 -0.67 6.44	14.38
22 11 16 00-0194	EA		1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.74 6.22 -0.82 6.98	15.50
22 11 16 00-0195	EA		1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.70 7.32 -0.96 6.98	15.50
22 11 16 00-0196	EA		3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.26 4.91 -0.65 5.99	13.27
22 11 16 00-0197	EA		1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.77 3.21 -0.42 5.99	13.27
22 11 16 00-0198	EA		3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.28 3.80 -0.50 5.99	13.27
22 11 16 00-0199	EA		1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.33 5.53 -0.73 6.44	14.38
22 11 16 00-0200	EA		1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.28 6.84 -0.90 6.98	15.50
22 11 16 00-0201	EA		1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.43 8.15 -1.07 6.98	15.50
22 11 16 00-0202	EA		2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.51 10.81 -1.42 9.01	19.97
22 11 16 00-0203	EA		3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	24.26 4.91 -0.65 5.99	13.27
22 11 16 00-0204	EA		1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	22.77 3.21 -0.42 5.99	13.27
22 11 16 00-0205	EA		3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	23.28 3.80 -0.50 5.99	13.27
22 11 16 00-0206	EA		1" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	26.33 5.53 -0.73 6.44	14.38
22 11 16 00-0207	EA		1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	29.28 6.84 -0.90 6.98	15.50
22 11 16 00-0208	EA		1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	30.43 8.15 -1.07 6.98	15.50
22 11 16 00-0209	EA		2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	39.51 10.81 -1.42 9.01	19.97
22 11 16 00-0210	EA		2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For ASTM 120, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	63.27 29.67 -3.90 11.17	24.86

**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0211	EA		3" x 3" Long, Schedule 40 Galvanized Steel Nipple	79.23	30.02
			<i>For Schedule 80 Nipples, Add</i>	38.97	
			<i>For ASTM 120, Deduct</i>	-5.13	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 11 16 00-0212	EA		3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.07	13.27
			<i>For Schedule 80 Nipples, Add</i>	5.84	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0213	EA		1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.43	13.27
			<i>For Schedule 80 Nipples, Add</i>	3.97	
			<i>For ASTM 120, Deduct</i>	-0.52	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0214	EA		3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.26	13.27
			<i>For Schedule 80 Nipples, Add</i>	4.91	
			<i>For ASTM 120, Deduct</i>	-0.65	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0215	EA		1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.31	14.38
			<i>For Schedule 80 Nipples, Add</i>	6.65	
			<i>For ASTM 120, Deduct</i>	-0.87	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 11 16 00-0216	EA		1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	30.43	15.50
			<i>For Schedule 80 Nipples, Add</i>	8.15	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0217	EA		1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	32.32	15.50
			<i>For Schedule 80 Nipples, Add</i>	10.31	
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0218	EA		2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	41.54	19.97
			<i>For Schedule 80 Nipples, Add</i>	13.12	
			<i>For ASTM 120, Deduct</i>	-1.73	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 11 16 00-0219	EA		2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	67.46	24.86
			<i>For Schedule 80 Nipples, Add</i>	34.45	
			<i>For ASTM 120, Deduct</i>	-4.53	
			<i>For Work In Restricted Working Space, Add</i>	11.17	
22 11 16 00-0220	EA		3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	85.16	30.02
			<i>For Schedule 80 Nipples, Add</i>	45.73	
			<i>For ASTM 120, Deduct</i>	-6.02	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 11 16 00-0221	EA		3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	25.07	13.27
			<i>For Schedule 80 Nipples, Add</i>	5.84	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0222	EA		1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	23.43	13.27
			<i>For Schedule 80 Nipples, Add</i>	3.97	
			<i>For ASTM 120, Deduct</i>	-0.52	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0223	EA		3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	25.07	13.27
			<i>For Schedule 80 Nipples, Add</i>	5.84	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0224	EA		1" x 4" Long, Schedule 40 Galvanized Steel Nipple	27.31	14.38
			<i>For Schedule 80 Nipples, Add</i>	6.65	
			<i>For ASTM 120, Deduct</i>	-0.87	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 11 16 00-0225	EA		1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	30.43	15.50
			<i>For Schedule 80 Nipples, Add</i>	8.15	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0226	EA		1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	32.32	15.50
			<i>For Schedule 80 Nipples, Add</i>	10.31	
			<i>For ASTM 120, Deduct</i>	-1.36	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0227	EA		2" x 4" Long, Schedule 40 Galvanized Steel Nipple	41.64	19.97
			<i>For Schedule 80 Nipples, Add</i>	13.24	
			<i>For ASTM 120, Deduct</i>	-1.74	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 11 16 00-0228	EA		2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	67.46	24.86
			<i>For Schedule 80 Nipples, Add</i>	34.45	
			<i>For ASTM 120, Deduct</i>	-4.53	
			<i>For Work In Restricted Working Space, Add</i>	11.17	
22 11 16 00-0229	EA		3" x 4" Long, Schedule 40 Galvanized Steel Nipple	85.16	30.02
			<i>For Schedule 80 Nipples, Add</i>	45.73	
			<i>For ASTM 120, Deduct</i>	-6.02	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 11 16 00-0230	EA		4" x 4" Long, Schedule 40 Galvanized Steel Nipple	107.88	36.08
			<i>For Schedule 80 Nipples, Add</i>	61.38	
			<i>For ASTM 120, Deduct</i>	-8.08	
			<i>For Work In Restricted Working Space, Add</i>	16.21	
22 11 16 00-0231	EA		3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	27.00	13.27
			<i>For Schedule 80 Nipples, Add</i>	8.04	
			<i>For ASTM 120, Deduct</i>	-1.06	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0232	EA		1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	24.14	13.27
			<i>For Schedule 80 Nipples, Add</i>	4.78	
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	5.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0233	EA		3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	25.09	13.27
			<i>For Schedule 80 Nipples, Add</i>	5.86	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0234	EA		1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.63	14.38
			<i>For Schedule 80 Nipples, Add</i>	8.15	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 11 16 00-0235	EA		1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	32.12	15.50
			<i>For Schedule 80 Nipples, Add</i>	10.08	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0236	EA		1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	34.20	15.50
			<i>For Schedule 80 Nipples, Add</i>	12.45	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0237	EA		2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	44.72	19.97
			<i>For Schedule 80 Nipples, Add</i>	16.75	
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 11 16 00-0238	EA		2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	70.93	24.86
			<i>For Schedule 80 Nipples, Add</i>	38.41	
			<i>For ASTM 120, Deduct</i>	-5.05	
			<i>For Work In Restricted Working Space, Add</i>	11.17	
22 11 16 00-0239	EA		3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	91.79	30.02
			<i>For Schedule 80 Nipples, Add</i>	53.28	
			<i>For ASTM 120, Deduct</i>	-7.01	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 11 16 00-0240	EA		4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	114.42	36.08
			<i>For Schedule 80 Nipples, Add</i>	68.83	
			<i>For ASTM 120, Deduct</i>	-9.06	
			<i>For Work In Restricted Working Space, Add</i>	16.21	
22 11 16 00-0241	EA		3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	27.00	13.27
			<i>For Schedule 80 Nipples, Add</i>	8.04	
			<i>For ASTM 120, Deduct</i>	-1.06	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0242	EA		1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	24.14	13.27
			<i>For Schedule 80 Nipples, Add</i>	4.78	
			<i>For ASTM 120, Deduct</i>	-0.63	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0243	EA		3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	25.09	13.27
			<i>For Schedule 80 Nipples, Add</i>	5.86	
			<i>For ASTM 120, Deduct</i>	-0.77	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0244	EA		1" x 5" Long, Schedule 40 Galvanized Steel Nipple	28.63	14.38
			<i>For Schedule 80 Nipples, Add</i>	8.15	
			<i>For ASTM 120, Deduct</i>	-1.07	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 11 16 00-0245	EA		1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	32.12	15.50
			<i>For Schedule 80 Nipples, Add</i>	10.08	
			<i>For ASTM 120, Deduct</i>	-1.33	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0246	EA		1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	34.20	15.50
			<i>For Schedule 80 Nipples, Add</i>	12.45	
			<i>For ASTM 120, Deduct</i>	-1.64	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0247	EA		2" x 5" Long, Schedule 40 Galvanized Steel Nipple	44.72	19.97
			<i>For Schedule 80 Nipples, Add</i>	16.75	
			<i>For ASTM 120, Deduct</i>	-2.20	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 11 16 00-0248	EA		2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	70.93	24.86
			<i>For Schedule 80 Nipples, Add</i>	38.41	
			<i>For ASTM 120, Deduct</i>	-5.05	
			<i>For Work In Restricted Working Space, Add</i>	11.17	
22 11 16 00-0249	EA		3" x 5" Long, Schedule 40 Galvanized Steel Nipple	91.79	30.02
			<i>For Schedule 80 Nipples, Add</i>	53.28	
			<i>For ASTM 120, Deduct</i>	-7.01	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 11 16 00-0250	EA		4" x 5" Long, Schedule 40 Galvanized Steel Nipple	114.42	36.08
			<i>For Schedule 80 Nipples, Add</i>	68.83	
			<i>For ASTM 120, Deduct</i>	-9.06	
			<i>For Work In Restricted Working Space, Add</i>	16.21	
22 11 16 00-0251	EA		3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	27.79	13.27
			<i>For Schedule 80 Nipples, Add</i>	8.94	
			<i>For ASTM 120, Deduct</i>	-1.18	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0252	EA		1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	24.70	13.27
			<i>For Schedule 80 Nipples, Add</i>	5.42	
			<i>For ASTM 120, Deduct</i>	-0.71	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0253	EA		3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	26.12	13.27
			<i>For Schedule 80 Nipples, Add</i>	7.03	
			<i>For ASTM 120, Deduct</i>	-0.93	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0254	EA		1" x 6" Long, Schedule 40 Galvanized Steel Nipple	29.58	14.38
			<i>For Schedule 80 Nipples, Add</i>	9.23	
			<i>For ASTM 120, Deduct</i>	-1.22	
			<i>For Work In Restricted Working Space, Add</i>	6.44	

**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0255	EA		1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	33.54	15.50
			<i>For Schedule 80 Nipples, Add</i>	11.70	
			<i>For ASTM 120, Deduct</i>	-1.54	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0256	EA		1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	35.57	15.50
			<i>For Schedule 80 Nipples, Add</i>	14.01	
			<i>For ASTM 120, Deduct</i>	-1.84	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0257	EA		2" x 6" Long, Schedule 40 Galvanized Steel Nipple	47.10	19.97
			<i>For Schedule 80 Nipples, Add</i>	19.46	
			<i>For ASTM 120, Deduct</i>	-2.56	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 11 16 00-0258	EA		2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	74.26	24.86
			<i>For Schedule 80 Nipples, Add</i>	42.20	
			<i>For ASTM 120, Deduct</i>	-5.55	
			<i>For Work In Restricted Working Space, Add</i>	11.17	
22 11 16 00-0259	EA		3" x 6" Long, Schedule 40 Galvanized Steel Nipple	94.49	30.02
			<i>For Schedule 80 Nipples, Add</i>	56.36	
			<i>For ASTM 120, Deduct</i>	-7.42	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 11 16 00-0260	EA		4" x 6" Long, Schedule 40 Galvanized Steel Nipple	120.79	36.08
			<i>For Schedule 80 Nipples, Add</i>	76.10	
			<i>For ASTM 120, Deduct</i>	-10.01	
			<i>For Work In Restricted Working Space, Add</i>	16.21	
22 11 16 00-0261	EA		3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	51.27	13.27
			<i>For Schedule 80 Nipples, Add</i>	35.70	
			<i>For ASTM 120, Deduct</i>	-4.70	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0262	EA		1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	28.32	13.27
			<i>For Schedule 80 Nipples, Add</i>	9.54	
			<i>For ASTM 120, Deduct</i>	-1.26	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0263	EA		3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	30.65	13.27
			<i>For Schedule 80 Nipples, Add</i>	12.20	
			<i>For ASTM 120, Deduct</i>	-1.61	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0264	EA		1" x 8" Long, Schedule 40 Galvanized Steel Nipple	35.04	14.38
			<i>For Schedule 80 Nipples, Add</i>	15.46	
			<i>For ASTM 120, Deduct</i>	-2.03	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 11 16 00-0265	EA		1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	39.91	15.50
			<i>For Schedule 80 Nipples, Add</i>	18.96	
			<i>For ASTM 120, Deduct</i>	-2.49	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0266	EA		1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	42.35	15.50
			<i>For Schedule 80 Nipples, Add</i>	21.74	
			<i>For ASTM 120, Deduct</i>	-2.86	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0267	EA		2" x 8" Long, Schedule 40 Galvanized Steel Nipple	57.85	19.97
			<i>For Schedule 80 Nipples, Add</i>	31.71	
			<i>For ASTM 120, Deduct</i>	-4.17	
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 11 16 00-0268	EA		2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	84.89	24.86
			<i>For Schedule 80 Nipples, Add</i>	54.32	
			<i>For ASTM 120, Deduct</i>	-7.15	
			<i>For Work In Restricted Working Space, Add</i>	11.17	
22 11 16 00-0269	EA		3" x 8" Long, Schedule 40 Galvanized Steel Nipple	111.65	30.02
			<i>For Schedule 80 Nipples, Add</i>	75.92	
			<i>For ASTM 120, Deduct</i>	-9.99	
			<i>For Work In Restricted Working Space, Add</i>	13.52	
22 11 16 00-0270	EA		4" x 8" Long, Schedule 40 Galvanized Steel Nipple	133.69	36.08
			<i>For Schedule 80 Nipples, Add</i>	90.80	
			<i>For ASTM 120, Deduct</i>	-11.95	
			<i>For Work In Restricted Working Space, Add</i>	16.21	
22 11 16 00-0271	EA		3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	34.89	13.27
			<i>For Schedule 80 Nipples, Add</i>	17.03	
			<i>For ASTM 120, Deduct</i>	-2.24	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0272	EA		1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	29.89	13.27
			<i>For Schedule 80 Nipples, Add</i>	11.33	
			<i>For ASTM 120, Deduct</i>	-1.49	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0273	EA		3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	31.83	13.27
			<i>For Schedule 80 Nipples, Add</i>	13.54	
			<i>For ASTM 120, Deduct</i>	-1.78	
			<i>For Work In Restricted Working Space, Add</i>	5.99	
22 11 16 00-0274	EA		1" x 10" Long, Schedule 40 Galvanized Steel Nipple	36.98	14.38
			<i>For Schedule 80 Nipples, Add</i>	17.67	
			<i>For ASTM 120, Deduct</i>	-2.33	
			<i>For Work In Restricted Working Space, Add</i>	6.44	
22 11 16 00-0275	EA		1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	43.16	15.50
			<i>For Schedule 80 Nipples, Add</i>	22.66	
			<i>For ASTM 120, Deduct</i>	-2.98	
			<i>For Work In Restricted Working Space, Add</i>	6.98	
22 11 16 00-0276	EA		1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	45.51	15.50
			<i>For Schedule 80 Nipples, Add</i>	25.34	
			<i>For ASTM 120, Deduct</i>	-3.33	
			<i>For Work In Restricted Working Space, Add</i>	6.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0277	EA		2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	62.57 37.10 -4.88 9.01	19.97
22 11 16 00-0278	EA		2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	91.55 61.91 -8.15 11.17	24.86
22 11 16 00-0279	EA		3" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	121.03 86.62 -11.40 13.52	30.02
22 11 16 00-0280	EA		4" x 10" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	146.35 105.23 -13.85 16.21	36.08
22 11 16 00-0281	EA		3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	36.50 18.87 -2.48 5.99	13.27
22 11 16 00-0282	EA		1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	31.26 12.89 -1.70 5.99	13.27
22 11 16 00-0283	EA		3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	33.27 15.18 -2.00 5.99	13.27
22 11 16 00-0284	EA		1" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	39.53 20.58 -2.71 6.44	14.38
22 11 16 00-0285	EA		1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	47.15 27.21 -3.58 6.98	15.50
22 11 16 00-0286	EA		1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	48.72 29.00 -3.82 6.98	15.50
22 11 16 00-0287	EA		2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	67.37 42.57 -5.60 9.01	19.97
22 11 16 00-0288	EA		2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	98.01 69.28 -9.12 11.17	24.86
22 11 16 00-0289	EA		3" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	130.48 97.39 -12.81 13.52	30.02
22 11 16 00-0290	EA		4" x 12" Long, Schedule 40 Galvanized Steel Nipple ..... For Schedule 80 Nipples, Add For ASTM 120, Deduct For Work In Restricted Working Space, Add	159.13 119.80 -15.76 16.21	36.08
<b>22 11 16 00-0291</b>			<b>Galvanized Steel Dielectric Nipples With Polyethylene Liner</b> (22 11 16 00-0013) See CSI section 22 11 16 00-0832 for dielectric unions.		
22 11 16 00-0292	EA		1/2" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	22.35 5.99	13.27
22 11 16 00-0293	EA		1/2" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	22.71 5.99	13.27
22 11 16 00-0294	EA		3/4" Threaded x 2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	23.04 5.99	13.27
22 11 16 00-0295	EA		3/4" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	24.24 5.99	13.27
22 11 16 00-0296	EA		3/4" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	25.48 5.99	13.27
22 11 16 00-0297	EA		3/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	26.23 5.99	13.27
22 11 16 00-0298	EA		1" Threaded x 2-1/2" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	26.08 6.45	14.38
22 11 16 00-0299	EA		1" Threaded x 3" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	26.47 6.45	14.38
22 11 16 00-0300	EA		1" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	32.48 6.45	14.38
22 11 16 00-0301	EA		1-1/4" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	35.19 7.00	15.50
22 11 16 00-0302	EA		1-1/2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	38.50 7.00	15.50
22 11 16 00-0303	EA		2" Threaded x 4" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	51.12 9.01	19.97
22 11 16 00-0304	EA		2-1/2" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	61.28 11.18	24.86
22 11 16 00-0305	EA		3" Threaded x 6" Long, Schedule 40 Galvanized Steel With Polyethylene Liner, Dielectric Nipple ..... For Work In Restricted Working Space, Add	93.46 13.53	30.02



**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0306			<b>Galvanized Malleable Iron Square Head Plugs (22 11 16 00-0013)</b>		
22 11 16 00-0307	EA		1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	21.77	9.91
			<i>For 300 LB Rating, Add</i>	24.25	
			<i>For Work In Restricted Working Space, Add</i>	4.47	
22 11 16 00-0308	EA		3/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	23.54	11.17
			<i>For 300 LB Rating, Add</i>	24.36	
			<i>For Work In Restricted Working Space, Add</i>	5.00	
22 11 16 00-0309	EA		1", 150 LB, Galvanized Malleable Iron Square Head Plug.....	26.16	12.42
			<i>For 300 LB Rating, Add</i>	26.75	
			<i>For Work In Restricted Working Space, Add</i>	5.59	
22 11 16 00-0310	EA		1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	32.67	14.11
			<i>For 300 LB Rating, Add</i>	40.67	
			<i>For Work In Restricted Working Space, Add</i>	6.32	
22 11 16 00-0311	EA		1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	39.38	15.78
			<i>For 300 LB Rating, Add</i>	54.50	
			<i>For Work In Restricted Working Space, Add</i>	7.13	
22 11 16 00-0312	EA		2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	50.04	20.11
			<i>For 300 LB Rating, Add</i>	69.30	
			<i>For Work In Restricted Working Space, Add</i>	9.06	
22 11 16 00-0313	EA		2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug.....	83.40	29.75
			<i>For 300 LB Rating, Add</i>	134.33	
			<i>For Work In Restricted Working Space, Add</i>	13.40	
22 11 16 00-0314	EA		3", 150 LB, Galvanized Malleable Iron Square Head Plug.....	113.74	39.24
			<i>For 300 LB Rating, Add</i>	190.32	
			<i>For Work In Restricted Working Space, Add</i>	17.64	
22 11 16 00-0315	EA		4", 150 LB, Galvanized Malleable Iron Square Head Plug.....	177.12	42.02
			<i>For 300 LB Rating, Add</i>	391.59	
			<i>For Work In Restricted Working Space, Add</i>	18.92	
22 11 16 00-0316	EA		5", 150 LB, Galvanized Malleable Iron Square Head Plug.....	275.07	43.91
			<i>For 300 LB Rating, Add</i>	715.47	
			<i>For Work In Restricted Working Space, Add</i>	19.74	
22 11 16 00-0317	EA		6", 150 LB, Galvanized Malleable Iron Square Head Plug.....	295.02	45.81
			<i>For 300 LB Rating, Add</i>	773.31	
			<i>For Work In Restricted Working Space, Add</i>	20.64	
22 11 16 00-0318			<b>Galvanized Malleable Iron Bushing (22 11 16 00-0013)</b>		
22 11 16 00-0319	EA		3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	51.73	26.25
			<i>For Work In Restricted Working Space, Add</i>	11.84	
22 11 16 00-0320	EA		1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	56.57	27.92
			<i>For Work In Restricted Working Space, Add</i>	12.57	
22 11 16 00-0321	EA		1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	58.02	29.47
			<i>For Work In Restricted Working Space, Add</i>	13.23	
22 11 16 00-0322	EA		1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	65.53	30.02
			<i>For Work In Restricted Working Space, Add</i>	13.49	
22 11 16 00-0323	EA		1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	65.89	31.42
			<i>For Work In Restricted Working Space, Add</i>	14.16	
22 11 16 00-0324	EA		1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	68.32	33.10
			<i>For Work In Restricted Working Space, Add</i>	14.89	
22 11 16 00-0325	EA		1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	75.51	32.26
			<i>For Work In Restricted Working Space, Add</i>	14.50	
22 11 16 00-0326	EA		1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	77.72	33.65
			<i>For Work In Restricted Working Space, Add</i>	15.17	
22 11 16 00-0327	EA		1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	77.48	35.33
			<i>For Work In Restricted Working Space, Add</i>	15.89	
22 11 16 00-0328	EA		1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	78.66	37.42
			<i>For Work In Restricted Working Space, Add</i>	16.82	
22 11 16 00-0329	EA		2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing.....	90.29	37.56
			<i>For Work In Restricted Working Space, Add</i>	16.91	
22 11 16 00-0330	EA		2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	90.15	39.10
			<i>For Work In Restricted Working Space, Add</i>	17.57	
22 11 16 00-0331	EA		2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	90.86	40.64
			<i>For Work In Restricted Working Space, Add</i>	18.30	
22 11 16 00-0332	EA		2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	93.94	42.73
			<i>For Work In Restricted Working Space, Add</i>	19.23	
22 11 16 00-0333	EA		2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	93.63	44.97
			<i>For Work In Restricted Working Space, Add</i>	20.24	
22 11 16 00-0334	EA		2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	125.80	51.11
			<i>For Work In Restricted Working Space, Add</i>	23.01	
22 11 16 00-0335	EA		2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	128.23	52.78
			<i>For Work In Restricted Working Space, Add</i>	23.74	
22 11 16 00-0336	EA		2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	131.31	54.74
			<i>For Work In Restricted Working Space, Add</i>	24.66	
22 11 16 00-0337	EA		2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	133.77	57.12
			<i>For Work In Restricted Working Space, Add</i>	25.67	
22 11 16 00-0338	EA		2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	136.30	62.42
			<i>For Work In Restricted Working Space, Add</i>	28.08	
22 11 16 00-0339	EA		3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing.....	159.15	62.84
			<i>For Work In Restricted Working Space, Add</i>	28.30	
22 11 16 00-0340	EA		3" x 1", 150 LB, Galvanized Malleable Iron Bushing.....	161.58	64.52
			<i>For Work In Restricted Working Space, Add</i>	29.03	
22 11 16 00-0341	EA		3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing.....	164.66	66.61
			<i>For Work In Restricted Working Space, Add</i>	29.96	
22 11 16 00-0342	EA		3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing.....	166.76	68.85
			<i>For Work In Restricted Working Space, Add</i>	30.97	
22 11 16 00-0343	EA		3" x 2", 150 LB, Galvanized Malleable Iron Bushing.....	168.85	74.15
			<i>For Work In Restricted Working Space, Add</i>	33.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0344	EA		3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	190.31 38.81	86.30
22 11 16 00-0345	EA		4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	234.82 29.69	65.94
22 11 16 00-0346	EA		4" x 1", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	237.18 30.40	67.56
22 11 16 00-0347	EA		4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	240.15 31.29	69.59
22 11 16 00-0348	EA		4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	243.40 32.27	71.75
22 11 16 00-0349	EA		4" x 2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	235.18 34.60	76.88
22 11 16 00-0350	EA		4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	268.70 39.86	88.64
22 11 16 00-0351	EA		4" x 3", 150 LB, Galvanized Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	276.80 44.98	99.98
<b>22 11 16 00-0352</b>			<b>Galvanized Malleable Iron Floor Flange</b> (22 11 16 00-0013) Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.		
22 11 16 00-0353	EA		1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	84.38	51.03
22 11 16 00-0354	EA		3/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	92.26	55.86
22 11 16 00-0355	EA		1", 150 LB, Galvanized Malleable Iron Floor Flange.....	105.68	63.12
22 11 16 00-0356	EA		1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange.....	109.77	65.36
22 11 16 00-0357	EA		1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange.....	119.45	71.08
22 11 16 00-0358	EA		2", 150 LB, Galvanized Malleable Iron Floor Flange.....	128.00	74.15
<b>22 11 16 00-0359</b>			<b>Galvanized Cast Iron Flanges</b> (22 11 16 00-0013) Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0360	EA		3/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	149.90 25.13	55.86
22 11 16 00-0361	EA		1", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	145.86 28.40	63.12
22 11 16 00-0362	EA		1-1/4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	125.04 29.39	65.36
22 11 16 00-0363	EA		1-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	146.56 31.98	71.08
22 11 16 00-0364	EA		2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	164.13 33.38	74.15
22 11 16 00-0365	EA		2-1/2", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	190.54 38.60	85.88
22 11 16 00-0366	EA		3", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	330.35 48.99	108.92
22 11 16 00-0367	EA		4", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	443.67 64.84	144.18
22 11 16 00-0368	EA		5", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	614.51 77.19	171.60
22 11 16 00-0369	EA		6", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	677.37 88.67	197.14
22 11 16 00-0370	EA		8", 125 LB, Galvanized Cast Iron Flange..... <i>For Work In Restricted Working Space, Add</i>	636.30 101.34	225.31
<b>22 11 16 00-0371</b>			<b>Cut And Thread Existing In-Place Galvanized Steel Pipe</b> (22 11 16 00-0013) Note: For use when connecting pipe to an existing in-place system.		
22 11 16 00-0372	EA		1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	45.49 13.65	
22 11 16 00-0373	EA		3/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	50.04 15.01	
22 11 16 00-0374	EA		1", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	54.59 16.38	
22 11 16 00-0375	EA		1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	59.13 17.74	
22 11 16 00-0376	EA		1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	62.17 18.65	
22 11 16 00-0377	EA		2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	65.20 19.56	
22 11 16 00-0378	EA		2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	68.23 20.47	
22 11 16 00-0379	EA		3", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	71.27 21.38	
22 11 16 00-0380	EA		4", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	74.30 22.29	
22 11 16 00-0381	EA		6", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	80.36 24.11	
22 11 16 00-0382	EA		8", Cut And Thread Existing In Place Galvanized Steel Pipe..... <i>For Work In Restricted Working Space, Add</i>	86.43 25.93	
<b>22 11 16 00-0383</b>			<b>Copper Pipe And Fittings</b> (22 11 16) Note: Excludes hangers. See CSI section 22 11 16 00-0862 for pipe with fittings assembly.		
<b>22 11 16 00-0384</b>			<b>Copper Tube/Pipe</b> (22 11 16 00-0383) Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).		
<b>22 11 16 00-0385</b>			<b>Hard Drawn Type L Copper Tube/Pipe</b> (22 11 16 00-0384)		

**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0386	LF		1/4" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.43 0.11 0.68 -0.13 1.53	3.41
22 11 16 00-0387	LF		3/8" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.26 0.15 0.77 -0.19 1.60	3.55
22 11 16 00-0388	LF		1/2" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	7.85 0.18 0.84 -0.23 1.67	3.70
22 11 16 00-0389	LF		3/4" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.62 0.30 1.06 -0.37 1.77	3.93
22 11 16 00-0390	LF		1" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	12.02 0.43 1.34 -0.54 1.99	4.41
22 11 16 00-0391	LF		1-1/4" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	17.28 0.60 1.91 -0.74 2.95	6.56
22 11 16 00-0392	LF		1-1/2" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	20.55 0.77 2.29 -0.96 3.29	7.33
22 11 16 00-0393	LF		2" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	28.68 1.21 3.25 -1.51 4.06	9.04
22 11 16 00-0394	LF		2-1/2" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	53.79 1.75 5.93 -2.19 9.58	10.63
22 11 16 00-0395	LF		3" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	66.71 2.33 7.40 -2.92 11.26	12.52
22 11 16 00-0396	LF		4" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	94.35 4.16 10.73 -5.20 12.71	14.13
22 11 16 00-0397	LF		5" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	140.48 7.34 16.34 -9.18 14.60	16.23
22 11 16 00-0398	LF		6" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	196.19 9.66 22.64 -12.08 22.62	25.15
22 11 16 00-0399	LF		8" Hard Drawn Type L Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	311.46 18.21 36.84 -22.76 25.15	27.95
22 11 16 00-0400			<b>Hard Drawn Type K Copper Tube/Pipe</b> (22 11 16 00-0384)		
22 11 16 00-0401	LF		1/4" Hard Drawn Type K Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	6.97 0.12 0.73 -0.15 1.65	3.67
22 11 16 00-0402	LF		3/8" Hard Drawn Type K Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	8.95 0.21 0.96 -0.27 1.89	3.82
22 11 16 00-0403	LF		1/2" Hard Drawn Type K Copper Tube/Pipe ..... <i>For Medical/Oxygen Service Tubing, Add</i> <i>For Up To 20, Add</i> <i>For &gt;200, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	9.25 0.25 1.00 -0.31 1.84	3.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0404	LF		3/4" Hard Drawn Type K Copper Tube/Pipe.....	12.72	4.21
			For Medical/Oxygen Service Tubing, Add	0.45	
			For Up To 20, Add	1.41	
			For >200, Deduct	-0.56	
			For Work In Restricted Working Space, Add	2.13	
22 11 16 00-0405	LF		1" Hard Drawn Type K Copper Tube/Pipe.....	15.02	4.75
			For Medical/Oxygen Service Tubing, Add	0.60	
			For Up To 20, Add	1.69	
			For >200, Deduct	-0.75	
			For Work In Restricted Working Space, Add	2.27	
22 11 16 00-0406	LF		1-1/4" Hard Drawn Type K Copper Tube/Pipe.....	20.01	7.06
			For Medical/Oxygen Service Tubing, Add	0.74	
			For Up To 20, Add	2.23	
			For >200, Deduct	-0.93	
			For Work In Restricted Working Space, Add	3.21	
22 11 16 00-0407	LF		1-1/2" Hard Drawn Type K Copper Tube/Pipe.....	23.95	7.87
			For Medical/Oxygen Service Tubing, Add	0.95	
			For Up To 20, Add	2.69	
			For >200, Deduct	-1.19	
			For Work In Restricted Working Space, Add	3.61	
22 11 16 00-0408	LF		2" Hard Drawn Type K Copper Tube/Pipe.....	33.07	9.72
			For Medical/Oxygen Service Tubing, Add	1.47	
			For Up To 20, Add	3.77	
			For >200, Deduct	-1.83	
			For Work In Restricted Working Space, Add	4.42	
22 11 16 00-0409	LF		2-1/2" Hard Drawn Type K Copper Tube/Pipe.....	59.37	11.43
			For Medical/Oxygen Service Tubing, Add	2.18	
			For Up To 20, Add	6.62	
			For >200, Deduct	-2.73	
			For Work In Restricted Working Space, Add	9.62	
22 11 16 00-0410	LF		3" Hard Drawn Type K Copper Tube/Pipe.....	78.64	13.46
			For Medical/Oxygen Service Tubing, Add	2.99	
			For Up To 20, Add	8.80	
			For >200, Deduct	-3.73	
			For Work In Restricted Working Space, Add	12.40	
22 11 16 00-0411	LF		4" Hard Drawn Type K Copper Tube/Pipe.....	113.35	15.20
			For Medical/Oxygen Service Tubing, Add	5.32	
			For Up To 20, Add	13.00	
			For >200, Deduct	-6.65	
			For Work In Restricted Working Space, Add	14.05	
22 11 16 00-0412	LF		5" Hard Drawn Type K Copper Tube/Pipe.....	177.17	17.45
			For Medical/Oxygen Service Tubing, Add	9.75	
			For Up To 20, Add	20.76	
			For >200, Deduct	-12.19	
			For Work In Restricted Working Space, Add	16.58	
22 11 16 00-0413	LF		6" Hard Drawn Type K Copper Tube/Pipe.....	264.02	27.04
			For Medical/Oxygen Service Tubing, Add	13.99	
			For Up To 20, Add	30.78	
			For >200, Deduct	-17.49	
			For Work In Restricted Working Space, Add	26.73	
22 11 16 00-0414	LF		8" Hard Drawn Type K Copper Tube/Pipe.....	425.71	30.05
			For Medical/Oxygen Service Tubing, Add	26.20	
			For Up To 20, Add	50.76	
			For >200, Deduct	-32.76	
			For Work In Restricted Working Space, Add	29.45	
<b>22 11 16 00-0415</b>			<b>Hard Drawn Type M Copper Tube/Pipe (22 11 16 00-0384)</b>		
22 11 16 00-0416	LF		3/8" Hard Drawn Type M Copper Tube/Pipe.....	6.12	3.20
			For Up To 20, Add	0.65	
			For >200, Deduct	-0.15	
			For Work In Restricted Working Space, Add	1.39	
22 11 16 00-0417	LF		1/2" Hard Drawn Type M Copper Tube/Pipe.....	6.46	3.34
			For Up To 20, Add	0.69	
			For >200, Deduct	-0.17	
			For Work In Restricted Working Space, Add	1.43	
22 11 16 00-0418	LF		3/4" Hard Drawn Type M Copper Tube/Pipe.....	7.80	3.54
			For Up To 20, Add	0.85	
			For >200, Deduct	-0.27	
			For Work In Restricted Working Space, Add	1.52	
22 11 16 00-0419	LF		1" Hard Drawn Type M Copper Tube/Pipe.....	9.87	3.97
			For Up To 20, Add	1.09	
			For >200, Deduct	-0.42	
			For Work In Restricted Working Space, Add	1.70	
22 11 16 00-0420	LF		1-1/4" Hard Drawn Type M Copper Tube/Pipe.....	14.85	5.92
			For Up To 20, Add	1.64	
			For >200, Deduct	-0.61	
			For Work In Restricted Working Space, Add	2.61	
22 11 16 00-0421	LF		1-1/2" Hard Drawn Type M Copper Tube/Pipe.....	18.47	6.59
			For Up To 20, Add	2.06	
			For >200, Deduct	-0.85	
			For Work In Restricted Working Space, Add	3.00	
22 11 16 00-0422	LF		2" Hard Drawn Type M Copper Tube/Pipe.....	25.74	8.12
			For Up To 20, Add	2.91	
			For >200, Deduct	-1.33	
			For Work In Restricted Working Space, Add	3.73	
22 11 16 00-0423	LF		2-1/2" Hard Drawn Type M Copper Tube/Pipe.....	49.48	9.57
			For Up To 20, Add	5.43	
			For >200, Deduct	-1.93	
			For Work In Restricted Working Space, Add	9.05	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0424	LF		3" Hard Drawn Type M Copper Tube/Pipe .....	59.56	11.26
			For Up To 20, Add	6.60	
			For >200, Deduct	-2.57	
			For Work In Restricted Working Space, Add	10.16	
22 11 16 00-0425	LF		4" Hard Drawn Type M Copper Tube/Pipe .....	87.65	12.73
			For Up To 20, Add	9.97	
			For >200, Deduct	-4.81	
			For Work In Restricted Working Space, Add	11.86	
22 11 16 00-0426	LF		5" Hard Drawn Type M Copper Tube/Pipe .....	139.04	14.60
			For Up To 20, Add	16.24	
			For >200, Deduct	-9.34	
			For Work In Restricted Working Space, Add	13.69	
22 11 16 00-0427	LF		6" Hard Drawn Type M Copper Tube/Pipe .....	195.47	22.64
			For Up To 20, Add	22.67	
			For >200, Deduct	-12.48	
			For Work In Restricted Working Space, Add	21.20	
22 11 16 00-0428	LF		8" Hard Drawn Type M Copper Tube/Pipe .....	314.24	25.16
			For Up To 20, Add	37.34	
			For >200, Deduct	-23.65	
			For Work In Restricted Working Space, Add	23.33	
<b>22 11 16 00-0429</b>			<b>Soft Drawn Type L Copper Tube (22 11 16 00-0384)</b>		
22 11 16 00-0430	LF		1/4" Soft Drawn Type L Copper Tube .....	6.81	3.41
			For Up To 20, Add	0.72	
			For >200, Deduct	-0.17	
			For Work In Restricted Working Space, Add	1.53	
22 11 16 00-0431	LF		3/8" Soft Drawn Type L Copper Tube .....	7.97	3.55
			For Up To 20, Add	0.86	
			For >200, Deduct	-0.26	
			For Work In Restricted Working Space, Add	1.60	
22 11 16 00-0432	LF		1/2" Soft Drawn Type L Copper Tube .....	9.09	3.70
			For Up To 20, Add	1.00	
			For >200, Deduct	-0.35	
			For Work In Restricted Working Space, Add	1.67	
22 11 16 00-0433	LF		3/4" Soft Drawn Type L Copper Tube .....	11.31	3.93
			For Up To 20, Add	1.27	
			For >200, Deduct	-0.54	
			For Work In Restricted Working Space, Add	1.77	
22 11 16 00-0434	LF		1" Soft Drawn Type L Copper Tube .....	14.12	4.41
			For Up To 20, Add	1.60	
			For >200, Deduct	-0.75	
			For Work In Restricted Working Space, Add	1.99	
22 11 16 00-0435	LF		1-1/4" Soft Drawn Type L Copper Tube .....	19.71	6.56
			For Up To 20, Add	2.22	
			For >200, Deduct	-0.99	
			For Work In Restricted Working Space, Add	2.95	
22 11 16 00-0436	LF		1-1/2" Soft Drawn Type L Copper Tube .....	24.36	7.33
			For Up To 20, Add	2.77	
			For >200, Deduct	-1.34	
			For Work In Restricted Working Space, Add	3.29	
22 11 16 00-0437	LF		2" Soft Drawn Type L Copper Tube .....	34.82	9.04
			For Up To 20, Add	4.01	
			For >200, Deduct	-2.13	
			For Work In Restricted Working Space, Add	4.06	
<b>22 11 16 00-0438</b>			<b>Soft Drawn Type K Copper Tube (22 11 16 00-0384)</b>		
22 11 16 00-0439	LF		1/4" Soft Drawn Type K Copper Tube .....	6.98	3.41
			For Up To 20, Add	0.74	
			For >200, Deduct	-0.19	
			For Work In Restricted Working Space, Add	1.53	
22 11 16 00-0440	LF		3/8" Soft Drawn Type K Copper Tube .....	8.52	3.55
			For Up To 20, Add	0.93	
			For >200, Deduct	-0.32	
			For Work In Restricted Working Space, Add	1.60	
22 11 16 00-0441	LF		1/2" Soft Drawn Type K Copper Tube .....	9.54	3.70
			For Up To 20, Add	1.05	
			For >200, Deduct	-0.40	
			For Work In Restricted Working Space, Add	1.67	
22 11 16 00-0442	LF		5/8" Soft Drawn Type K Copper Tube .....	10.48	3.82
			For Up To 20, Add	1.17	
			For >200, Deduct	-0.48	
			For Work In Restricted Working Space, Add	1.72	
22 11 16 00-0443	LF		3/4" Soft Drawn Type K Copper Tube .....	13.28	3.93
			For Up To 20, Add	1.51	
			For >200, Deduct	-0.74	
			For Work In Restricted Working Space, Add	1.77	
22 11 16 00-0444	LF		1" Soft Drawn Type K Copper Tube .....	16.43	4.41
			For Up To 20, Add	1.89	
			For >200, Deduct	-0.98	
			For Work In Restricted Working Space, Add	1.99	
22 11 16 00-0445	LF		1-1/4" Soft Drawn Type K Copper Tube .....	21.40	6.56
			For Up To 20, Add	2.43	
			For >200, Deduct	-1.16	
			For Work In Restricted Working Space, Add	2.95	
22 11 16 00-0446	LF		1-1/2" Soft Drawn Type K Copper Tube .....	27.05	7.33
			For Up To 20, Add	3.11	
			For >200, Deduct	-1.61	
			For Work In Restricted Working Space, Add	3.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0447	LF		2" Soft Drawn Type K Copper Tube ..... For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	38.51 4.48 -2.50 4.06	9.04
22 11 16 00-0448	LF		2-1/2" Soft Drawn Type K Copper Tube ..... For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	53.71 6.31 -3.75 4.88	10.83
22 11 16 00-0449	LF		3" Soft Drawn Type K Copper Tube ..... For Up To 20, Add For >200, Deduct For Work In Restricted Working Space, Add	71.28 8.43 -5.21 5.75	12.79
22 11 16 00-0450			<b>Copper And Brass Fittings</b> (22 11 16 00-0383) Note: All fittings are based on 95/5 solder.		
22 11 16 00-0451			<b>90 Degree Copper Elbows</b> (22 11 16 00-0450)		
22 11 16 00-0452	EA		1/4" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	34.47 4.76 -3.24 4.55 1.66 9.10	20.23
22 11 16 00-0453	EA		3/8" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	40.78 5.68 -3.86 5.46 1.75 10.92	24.26
22 11 16 00-0454	EA		1/2" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	51.46 7.58 -5.08 7.51 0.57 15.01	33.36
22 11 16 00-0455	EA		3/4" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	65.37 9.49 -6.38 9.33 1.28 18.65	41.55
22 11 16 00-0456	EA		1" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	82.11 11.54 -7.82 11.15 3.12 22.29	49.59
22 11 16 00-0457	EA		1-1/4" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	92.05 12.64 -8.62 12.06 4.67 24.11	53.68
22 11 16 00-0458	EA		1-1/2" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	106.22 14.11 -9.71 13.19 7.31 26.39	58.68
22 11 16 00-0459	EA		2" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Street Fitting, Add For Work In Restricted Working Space, Add	131.86 16.45 -11.52 14.78 13.32 29.57	65.81
22 11 16 00-0460	EA		2-1/2" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	159.26 18.02 -12.99 15.08 30.16	67.03
22 11 16 00-0461	EA		3" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	202.91 22.16 -16.15 18.02 36.03	80.15
22 11 16 00-0462	EA		4" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	371.30 35.60 -27.08 25.56 51.11	113.67
22 11 16 00-0463	EA		5" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,074.96 77.07 -65.41 34.98 69.96	155.56
22 11 16 00-0464	EA		6" 90 Degree Copper Elbow ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,461.45 107.01 -90.04 50.90 101.80	226.37

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-0465	EA	8" 90 Degree Copper Elbow	4,603.73	301.77
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	275.43	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-252.81	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	67.87	
		<i>For Work In Restricted Working Space, Add</i>	135.74	
<b>22 11 16 00-0466</b>		<b>90 Degree Brass Elbows</b> (22 11 16 00-0450)		
22 11 16 00-0467	EA	1/2" Drop Ear 90 Degree Brass Elbow	58.96	33.36
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.95	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.45	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.51	
		<i>For Work In Restricted Working Space, Add</i>	15.01	
22 11 16 00-0468	EA	3/4" Drop Ear 90 Degree Brass Elbow	88.17	41.55
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.63	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.52	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.33	
		<i>For Work In Restricted Working Space, Add</i>	18.65	
22 11 16 00-0469	EA	1/2" Flanged Sink 90 Degree Brass Elbow	66.29	33.36
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.32	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.82	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.51	
		<i>For Work In Restricted Working Space, Add</i>	15.01	
22 11 16 00-0470	EA	3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	49.73	24.26
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.13	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.31	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.46	
		<i>For Work In Restricted Working Space, Add</i>	10.92	
22 11 16 00-0471	EA	1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	59.59	33.36
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.98	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.48	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.51	
		<i>For Work In Restricted Working Space, Add</i>	15.01	
22 11 16 00-0472	EA	3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	78.98	41.55
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.17	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.06	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.33	
		<i>For Work In Restricted Working Space, Add</i>	18.65	
22 11 16 00-0473	EA	1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	127.95	49.59
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.83	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.11	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.15	
		<i>For Work In Restricted Working Space, Add</i>	22.29	
<b>22 11 16 00-0474</b>		<b>Reducing 90 Degree Copper Elbows</b> (22 11 16 00-0450)		
22 11 16 00-0475	EA	1/2" Reducing 90 Degree Copper Elbow	61.56	33.36
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.08	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.58	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	7.51	
		<i>For Work In Restricted Working Space, Add</i>	15.01	
22 11 16 00-0476	EA	3/4" Reducing 90 Degree Copper Elbow	70.34	41.55
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.73	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.63	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.33	
		<i>For Work In Restricted Working Space, Add</i>	18.65	
22 11 16 00-0477	EA	1" Reducing 90 Degree Copper Elbow	89.29	49.59
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	11.89	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.18	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.15	
		<i>For Work In Restricted Working Space, Add</i>	22.29	
22 11 16 00-0478	EA	1-1/4" Reducing 90 Degree Copper Elbow	118.56	53.68
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.97	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.95	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.06	
		<i>For Work In Restricted Working Space, Add</i>	24.11	
22 11 16 00-0479	EA	1-1/2" Reducing 90 Degree Copper Elbow	138.13	58.68
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.70	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.30	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.19	
		<i>For Work In Restricted Working Space, Add</i>	26.39	
22 11 16 00-0480	EA	2" Reducing 90 Degree Copper Elbow	166.10	65.81
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.16	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.23	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	14.78	
		<i>For Work In Restricted Working Space, Add</i>	29.57	
<b>22 11 16 00-0481</b>		<b>45 Degree Copper Elbows</b> (22 11 16 00-0450)		
22 11 16 00-0482	EA	1/4" 45 Degree Copper Elbow	38.06	20.23
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.94	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.42	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.55	
		<i>For Street Fitting, Add</i>	3.09	
		<i>For Work In Restricted Working Space, Add</i>	9.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0483	EA		3/8" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.03 5.79 -3.97 5.46 2.65 10.92	24.26
22 11 16 00-0484	EA		1/2" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	52.64 7.64 -5.13 7.51 1.04 15.01	33.36
22 11 16 00-0485	EA		3/4" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.63 9.55 -6.44 9.33 1.78 18.65	41.55
22 11 16 00-0486	EA		1" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.42 11.70 -7.99 11.15 4.45 22.29	49.59
22 11 16 00-0487	EA		1-1/4" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	95.44 12.81 -8.79 12.06 6.03 24.11	53.68
22 11 16 00-0488	EA		1-1/2" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Street Fitting, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.45 14.12 -9.72 13.19 7.40 26.39	58.68
22 11 16 00-0489	EA		2" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.41 16.33 -11.40 14.78 29.57	65.81
22 11 16 00-0490	EA		2-1/2" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.55 17.98 -12.95 15.08 30.16	67.03
22 11 16 00-0491	EA		3" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.18 22.32 -16.31 18.02 36.03	80.15
22 11 16 00-0492	EA		4" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	353.91 34.73 -26.21 25.56 51.11	113.67
22 11 16 00-0493	EA		5" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	944.04 70.52 -58.86 34.98 69.96	155.56
22 11 16 00-0494	EA		6" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,459.54 106.91 -89.94 50.90 101.80	226.37
22 11 16 00-0495	EA		8" 45 Degree Copper Elbow ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,258.85 258.19 -235.57 67.87 135.74	301.77
<b>22 11 16 00-0496</b>			<b>Straight Copper And Brass Tees (22 11 16 00-0450)</b>		
22 11 16 00-0497	EA		1/4" Straight Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.17 7.26 -4.98 6.82 13.65	30.33
22 11 16 00-0498	EA		3/8" Straight Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.57 8.54 -5.81 8.19 16.38	36.40
22 11 16 00-0499	EA		1/2" Straight Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.26 11.49 -7.70 11.37 22.74	50.65

**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0500	EA		3/4" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	99.86 14.40 -9.69 14.10 28.21	62.77
22 11 16 00-0501	EA		1" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	129.77 17.71 -12.10 16.83 33.66	74.91
22 11 16 00-0502	EA		1-1/4" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	145.77 19.42 -13.35 18.20 36.39	80.97
22 11 16 00-0503	EA		1-1/2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	168.92 21.64 -15.04 19.79 39.58	87.95
22 11 16 00-0504	EA		2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	207.42 25.23 -17.80 22.29 44.58	99.17
22 11 16 00-0505	EA		2-1/2" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	255.48 27.86 -20.31 22.62 45.24	100.54
22 11 16 00-0506	EA		3" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	341.45 35.23 -26.15 27.23 54.46	121.08
22 11 16 00-0507	EA		4" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	641.18 57.47 -44.77 38.12 76.25	169.53
22 11 16 00-0508	EA		5" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	1,612.90 115.42 -98.03 52.16 104.32	231.95
22 11 16 00-0509	EA		6" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	2,239.19 162.93 -137.44 76.46 152.91	340.04
22 11 16 00-0510	EA		8" Straight Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	7,350.10 435.37 -401.44 101.80 203.60	452.73
22 11 16 00-0511	EA		1/2" Cast Bronze Drop Ear Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	90.84 12.12 -8.33 11.37 22.74	50.65
22 11 16 00-0512			<b>Reducing Copper Tees</b> (22 11 16 00-0450)		
22 11 16 00-0513	EA		3/8" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	62.33 7.97 -5.54 7.28 14.56	32.30
22 11 16 00-0514	EA		1/2" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	80.38 10.84 -7.43 10.23 20.47	45.49
22 11 16 00-0515	EA		3/4" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	94.14 13.50 -9.10 13.19 26.39	58.68
22 11 16 00-0516	EA		1" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	125.83 16.91 -11.60 15.92 31.84	70.81
22 11 16 00-0517	EA		1-1/4" Reducing Copper Tee ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	145.10 18.78 -13.02 17.29 34.57	76.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0518	EA		1-1/2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.07 20.99 -14.70 18.88 37.76	84.01
22 11 16 00-0519	EA		2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.06 24.21 -17.15 21.15 42.31	94.02
22 11 16 00-0520	EA		2-1/2" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.89 27.52 -20.26 21.78 43.57	96.91
22 11 16 00-0521	EA		3" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	355.87 34.55 -26.17 25.14 50.27	111.72
22 11 16 00-0522	EA		4" Reducing Copper Tee ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	603.06 50.82 -40.49 31.00 62.00	137.83
<b>22 11 16 00-0523</b>			<b>Copper Couplings (22 11 16 00-0450)</b>		
22 11 16 00-0524	EA		1/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.16 4.59 -3.07 4.55 9.10	20.23
22 11 16 00-0525	EA		3/8" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.50 5.52 -3.70 5.46 10.92	24.26
22 11 16 00-0526	EA		1/2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.95 7.55 -5.05 7.51 15.01	33.36
22 11 16 00-0527	EA		3/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.02 9.42 -6.31 9.33 18.65	41.55
22 11 16 00-0528	EA		1" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.97 11.33 -7.61 11.15 22.29	49.59
22 11 16 00-0529	EA		1-1/4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.84 12.38 -8.36 12.06 24.11	53.68
22 11 16 00-0530	EA		1-1/2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.51 13.62 -9.22 13.19 26.39	58.68
22 11 16 00-0531	EA		2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.80 15.50 -10.57 14.78 29.57	65.20
22 11 16 00-0532	EA		2-1/2" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	121.29 15.56 -10.81 14.24 28.49	63.40
22 11 16 00-0533	EA		3" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.35 18.97 -13.24 17.18 34.35	76.80
22 11 16 00-0534	EA		4" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	232.56 26.99 -19.31 23.04 46.08	103.34
22 11 16 00-0535	EA		5" Copper Coupling ..... <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	374.00 39.65 -29.17 31.42 62.84	188.52



**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 11 16 00-0536	EA 6" Copper Coupling.....	579.11	204.86
	For Silver Solder Instead Of 95/5 Solder, Add	59.68	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-44.32	
	For Brazed Fittings Instead Of 95/5 Solder, Add	46.08	
	For Work In Restricted Working Space, Add	92.17	
22 11 16 00-0537	EA 8" Copper Coupling.....	1,289.12	271.61
	For Silver Solder Instead Of 95/5 Solder, Add	105.23	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-84.84	
	For Brazed Fittings Instead Of 95/5 Solder, Add	61.17	
	For Work In Restricted Working Space, Add	122.33	
<b>22 11 16 00-0538</b>	<b>Reducing Copper Couplings (22 11 16 00-0450)</b>		
22 11 16 00-0539	EA 3/8" Reducing Copper Coupling.....	32.14	20.17
	For Silver Solder Instead Of 95/5 Solder, Add	4.64	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.12	
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.55	
	For Work In Restricted Working Space, Add	9.10	
22 11 16 00-0540	EA 1/2" Reducing Copper Coupling.....	45.11	28.81
	For Silver Solder Instead Of 95/5 Solder, Add	6.58	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.42	
	For Brazed Fittings Instead Of 95/5 Solder, Add	6.48	
	For Work In Restricted Working Space, Add	12.97	
22 11 16 00-0541	EA 3/4" Reducing Copper Coupling.....	59.38	37.45
	For Silver Solder Instead Of 95/5 Solder, Add	8.58	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.77	
	For Brazed Fittings Instead Of 95/5 Solder, Add	8.42	
	For Work In Restricted Working Space, Add	16.83	
22 11 16 00-0542	EA 1" Reducing Copper Coupling.....	74.15	45.49
	For Silver Solder Instead Of 95/5 Solder, Add	10.53	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.12	
	For Brazed Fittings Instead Of 95/5 Solder, Add	10.23	
	For Work In Restricted Working Space, Add	20.47	
22 11 16 00-0543	EA 1-1/4" Reducing Copper Coupling.....	85.58	51.55
	For Silver Solder Instead Of 95/5 Solder, Add	12.01	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.15	
	For Brazed Fittings Instead Of 95/5 Solder, Add	11.60	
	For Work In Restricted Working Space, Add	23.20	
22 11 16 00-0544	EA 1-1/2" Reducing Copper Coupling.....	97.81	56.11
	For Silver Solder Instead Of 95/5 Solder, Add	13.31	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-9.10	
	For Brazed Fittings Instead Of 95/5 Solder, Add	12.62	
	For Work In Restricted Working Space, Add	25.25	
22 11 16 00-0545	EA 2" Reducing Copper Coupling.....	114.36	62.17
	For Silver Solder Instead Of 95/5 Solder, Add	15.04	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.38	
	For Brazed Fittings Instead Of 95/5 Solder, Add	13.99	
	For Work In Restricted Working Space, Add	27.98	
22 11 16 00-0546	EA 2-1/2" Reducing Copper Coupling.....	134.72	63.82
	For Silver Solder Instead Of 95/5 Solder, Add	16.30	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-11.52	
	For Brazed Fittings Instead Of 95/5 Solder, Add	14.35	
	For Work In Restricted Working Space, Add	28.70	
22 11 16 00-0547	EA 3" Reducing Copper Coupling.....	158.61	74.01
	For Silver Solder Instead Of 95/5 Solder, Add	18.96	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.45	
	For Brazed Fittings Instead Of 95/5 Solder, Add	16.55	
	For Work In Restricted Working Space, Add	33.10	
22 11 16 00-0548	EA 4" Reducing Copper Coupling.....	241.10	96.91
	For Silver Solder Instead Of 95/5 Solder, Add	26.58	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-19.32	
	For Brazed Fittings Instead Of 95/5 Solder, Add	21.78	
	For Work In Restricted Working Space, Add	43.57	
22 11 16 00-0549	EA 5" Reducing Copper Coupling.....	577.38	135.03
	For Silver Solder Instead Of 95/5 Solder, Add	49.12	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-38.99	
	For Brazed Fittings Instead Of 95/5 Solder, Add	30.37	
	For Work In Restricted Working Space, Add	60.75	
22 11 16 00-0550	EA 6" Reducing Copper Coupling.....	852.85	181.54
	For Silver Solder Instead Of 95/5 Solder, Add	69.87	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-56.26	
	For Brazed Fittings Instead Of 95/5 Solder, Add	40.85	
	For Work In Restricted Working Space, Add	81.69	
22 11 16 00-0551	EA 8" Reducing Copper Coupling.....	1,627.28	264.53
	For Silver Solder Instead Of 95/5 Solder, Add	121.02	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-101.19	
	For Brazed Fittings Instead Of 95/5 Solder, Add	59.49	
	For Work In Restricted Working Space, Add	118.98	
<b>22 11 16 00-0552</b>	<b>Male Copper Adapters (22 11 16 00-0450)</b>		
22 11 16 00-0553	EA 1/4" Male Copper Adapter.....	44.97	19.71
	For Silver Solder Instead Of 95/5 Solder, Add	5.28	
	For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.77	
	For Brazed Fittings Instead Of 95/5 Solder, Add	4.55	
	For Work In Restricted Working Space, Add	9.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0554	EA		3/8" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	43.70 5.83 -4.01 5.46 10.92	24.26
22 11 16 00-0555	EA		1/2" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	48.45 6.97 -4.70 6.82 13.65	30.33
22 11 16 00-0556	EA		3/4" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	61.12 8.67 -5.86 8.42 16.83	37.91
22 11 16 00-0557	EA		1" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	77.94 10.42 -7.16 9.78 19.56	43.97
22 11 16 00-0558	EA		1-1/4" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	94.35 12.30 -8.51 11.37 22.74	50.04
22 11 16 00-0559	EA		1-1/2" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	108.13 14.05 -9.73 12.96 25.93	57.62
22 11 16 00-0560	EA		2" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	147.43 18.44 -12.91 16.61 33.21	73.55
22 11 16 00-0561	EA		2-1/2" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	247.60 26.63 -19.51 21.38 42.76	95.53
22 11 16 00-0562	EA		3" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	329.01 35.44 -25.95 28.49 56.98	127.43
22 11 16 00-0563	EA		4" Male Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	490.55 51.34 -37.93 40.22 80.44	178.75
<b>22 11 16 00-0564</b>			<b>Female Copper Adapters (22 11 16 00-0450)</b>		
22 11 16 00-0565	EA		1/4" Female Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	39.68 5.02 -3.50 4.55 9.10	19.71
22 11 16 00-0566	EA		3/8" Female Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	46.18 5.95 -4.13 5.46 10.92	24.26
22 11 16 00-0567	EA		1/2" Female Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	50.22 7.06 -4.79 6.82 13.65	30.33
22 11 16 00-0568	EA		3/4" Female Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	62.58 8.74 -5.93 8.42 16.83	37.91
22 11 16 00-0569	EA		1" Female Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	79.99 10.52 -7.26 9.78 19.56	43.97
22 11 16 00-0570	EA		1-1/4" Female Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	97.51 12.46 -8.67 11.37 22.74	50.04
22 11 16 00-0571	EA		1-1/2" Female Copper Adapter ..... For Silver Solder Instead Of 95/5 Solder, Add For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct For Brazed Fittings Instead Of 95/5 Solder, Add For Work In Restricted Working Space, Add	120.40 14.66 -10.34 12.96 25.93	57.62

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-0572	EA	2" Female Copper Adapter	156.78	73.55
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	18.91	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.37	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.61	
		<i>For Work In Restricted Working Space, Add</i>	33.21	
22 11 16 00-0573	EA	2-1/2" Female Copper Adapter	279.51	87.98
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	27.10	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.54	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	19.69	
		<i>For Work In Restricted Working Space, Add</i>	39.38	
22 11 16 00-0574	EA	3" Female Copper Adapter	439.64	127.43
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	40.97	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-31.48	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	28.49	
		<i>For Work In Restricted Working Space, Add</i>	56.98	
<b>22 11 16 00-0575</b>		<b>Wrot Copper, Solder Union</b> <small>(22 11 16 00-0450)</small>		
22 11 16 00-0576	EA	1/4" Wrot Copper, Solder Union	49.20	24.26
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.10	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.28	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.46	
		<i>For Work In Restricted Working Space, Add</i>	10.92	
22 11 16 00-0577	EA	3/8" Wrot Copper, Solder Union	57.15	29.27
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.25	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.06	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.60	
		<i>For Work In Restricted Working Space, Add</i>	13.19	
22 11 16 00-0578	EA	1/2" Wrot Copper, Solder Union	62.74	36.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.60	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.87	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.19	
		<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0579	EA	3/4" Wrot Copper, Solder Union	72.19	41.55
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	9.83	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.72	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.33	
		<i>For Work In Restricted Working Space, Add</i>	18.65	
22 11 16 00-0580	EA	1" Wrot Copper, Solder Union	91.52	49.59
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	12.01	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-8.29	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.15	
		<i>For Work In Restricted Working Space, Add</i>	22.29	
22 11 16 00-0581	EA	1-1/4" Wrot Copper, Solder Union	106.82	54.59
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	13.53	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-9.44	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.28	
		<i>For Work In Restricted Working Space, Add</i>	24.56	
22 11 16 00-0582	EA	1-1/2" Wrot Copper, Solder Union	126.14	60.66
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.41	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.86	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.65	
		<i>For Work In Restricted Working Space, Add</i>	27.29	
22 11 16 00-0583	EA	2" Wrot Copper, Solder Union	169.12	72.78
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	19.37	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-13.92	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.38	
		<i>For Work In Restricted Working Space, Add</i>	32.75	
22 11 16 00-0584	EA	2-1/2" Wrot Copper, Solder Union	283.56	80.15
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.19	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-20.18	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.02	
		<i>For Work In Restricted Working Space, Add</i>	36.03	
22 11 16 00-0585	EA	3" Wrot Copper, Solder Union	593.35	113.67
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	46.70	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-38.19	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	25.56	
		<i>For Work In Restricted Working Space, Add</i>	51.11	
<b>22 11 16 00-0586</b>		<b>Cast Bronze, Solder Union</b> <small>(22 11 16 00-0450)</small>		
22 11 16 00-0587	EA	1/4" Cast Bronze, Solder Union	53.91	24.26
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.34	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.52	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.46	
		<i>For Work In Restricted Working Space, Add</i>	10.92	
22 11 16 00-0588	EA	3/8" Cast Bronze, Solder Union	61.61	29.27
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.48	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.28	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.60	
		<i>For Work In Restricted Working Space, Add</i>	13.19	
22 11 16 00-0589	EA	1/2" Cast Bronze, Solder Union	63.98	36.40
		<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.66	
		<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.93	
		<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.19	
		<i>For Work In Restricted Working Space, Add</i>	16.38	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0590	EA	3/4" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.94 9.91 -6.81 9.33 18.65	41.55
22 11 16 00-0591	EA	1" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	94.56 12.16 -8.44 11.15 22.29	49.59
22 11 16 00-0592	EA	1-1/4" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.13 13.94 -9.85 12.28 24.56	54.59
22 11 16 00-0593	EA	1-1/2" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	134.82 15.84 -11.29 13.65 27.29	60.66
22 11 16 00-0594	EA	2" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.89 20.11 -14.65 16.38 32.75	72.78
22 11 16 00-0595	EA	2-1/2" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.55 26.19 -20.18 18.02 36.03	80.15
22 11 16 00-0596	EA	3" Cast Bronze, Solder Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	593.35 46.70 -38.19 25.56 51.11	113.67
<b>22 11 16 00-0597</b>		<b>Cast Bronze, Solder X Female Threaded Union</b> (22 11 16 00-0450)		
22 11 16 00-0598	EA	1/4" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.29 6.65 -4.83 5.46 10.92	24.26
22 11 16 00-0599	EA	3/8" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.69 7.83 -5.63 6.60 13.19	29.27
22 11 16 00-0600	EA	1/2" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	74.22 9.17 -6.44 8.19 16.38	36.40
22 11 16 00-0601	EA	3/4" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	88.93 10.66 -7.56 9.33 18.65	41.55
22 11 16 00-0602	EA	1" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.96 13.93 -10.21 11.15 22.29	49.59
22 11 16 00-0603	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.61 17.47 -13.37 12.28 24.56	54.59
22 11 16 00-0604	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.39 20.22 -15.67 13.65 27.29	60.66
22 11 16 00-0605	EA	2" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.62 27.50 -22.04 16.38 32.75	72.78
22 11 16 00-0606	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union <i>For Silver Solder Instead Of 95/5 Solder, Add</i> <i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i> <i>For Brazed Fittings Instead Of 95/5 Solder, Add</i> <i>For Work In Restricted Working Space, Add</i>	541.77 39.10 -33.09 18.02 36.03	80.15
<b>22 11 16 00-0607</b>		<b>Cast Bronze, Solder X Male Threaded Union</b> (22 11 16 00-0450)		

**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0608	EA		1/4" Cast Bronze, Solder X Male Threaded Union.....	54.60	24.26
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	6.37	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-4.55	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	5.46	
			<i>For Work In Restricted Working Space, Add</i>	10.92	
22 11 16 00-0609	EA		3/8" Cast Bronze, Solder X Male Threaded Union.....	65.21	29.27
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	7.66	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-5.46	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	6.60	
			<i>For Work In Restricted Working Space, Add</i>	13.19	
22 11 16 00-0610	EA		1/2" Cast Bronze, Solder X Male Threaded Union.....	70.09	36.40
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	8.96	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-6.23	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	8.19	
			<i>For Work In Restricted Working Space, Add</i>	16.38	
22 11 16 00-0611	EA		3/4" Cast Bronze, Solder X Male Threaded Union.....	85.43	41.55
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	10.49	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-7.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	9.33	
			<i>For Work In Restricted Working Space, Add</i>	18.65	
22 11 16 00-0612	EA		1" Cast Bronze, Solder X Male Threaded Union.....	131.56	49.59
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	14.01	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-10.29	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	11.15	
			<i>For Work In Restricted Working Space, Add</i>	22.29	
22 11 16 00-0613	EA		1-1/4" Cast Bronze, Solder X Male Threaded Union.....	152.91	54.59
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	15.83	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-11.74	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	12.28	
			<i>For Work In Restricted Working Space, Add</i>	24.56	
22 11 16 00-0614	EA		1-1/2" Cast Bronze, Solder X Male Threaded Union.....	165.59	60.66
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	17.38	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-12.83	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	13.65	
			<i>For Work In Restricted Working Space, Add</i>	27.29	
22 11 16 00-0615	EA		2" Cast Bronze, Solder X Male Threaded Union.....	223.78	72.78
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	22.11	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.65	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	16.38	
			<i>For Work In Restricted Working Space, Add</i>	32.75	
22 11 16 00-0616	EA		2-1/2" Cast Bronze, Solder X Male Threaded Union.....	455.94	80.15
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	34.81	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-28.80	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	18.02	
			<i>For Work In Restricted Working Space, Add</i>	36.03	
<b>22 11 16 00-0617</b>			<b>Copper Caps (22 11 16 00-0450)</b>		
22 11 16 00-0618	EA		1/4" Copper Cap .....	11.27	6.67
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.56	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.06	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.50	
			<i>For Work In Restricted Working Space, Add</i>	3.00	
22 11 16 00-0619	EA		3/8" Copper Cap .....	14.02	7.88
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	1.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.30	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	1.80	
			<i>For Work In Restricted Working Space, Add</i>	3.60	
22 11 16 00-0620	EA		1/2" Copper Cap .....	17.54	10.92
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	2.53	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-1.70	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	2.48	
			<i>For Work In Restricted Working Space, Add</i>	4.95	
22 11 16 00-0621	EA		3/4" Copper Cap .....	22.45	13.50
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.17	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.15	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.08	
			<i>For Work In Restricted Working Space, Add</i>	6.16	
22 11 16 00-0622	EA		1" Copper Cap .....	29.06	16.23
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	3.91	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.68	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.68	
			<i>For Work In Restricted Working Space, Add</i>	7.36	
22 11 16 00-0623	EA		1-1/4" Copper Cap .....	32.60	17.44
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.28	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-2.96	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	3.98	
			<i>For Work In Restricted Working Space, Add</i>	7.96	
22 11 16 00-0624	EA		1-1/2" Copper Cap .....	37.87	19.11
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	4.80	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.35	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.35	
			<i>For Work In Restricted Working Space, Add</i>	8.71	
22 11 16 00-0625	EA		2" Copper Cap .....	46.28	19.83
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	5.31	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-3.81	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	4.49	
			<i>For Work In Restricted Working Space, Add</i>	8.99	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0626 EA 2-1/2" Copper Cap .....	79.20	23.18
For Silver Solder Instead Of 95/5 Solder, Add	7.48	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.72	
For Brazed Fittings Instead Of 95/5 Solder, Add	5.28	
For Work In Restricted Working Space, Add	10.56	
22 11 16 00-0627 EA 3" Copper Cap .....	108.05	29.75
For Silver Solder Instead Of 95/5 Solder, Add	9.91	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.65	
For Brazed Fittings Instead Of 95/5 Solder, Add	6.76	
For Work In Restricted Working Space, Add	13.51	
22 11 16 00-0628 EA 4" Copper Cap .....	187.08	44.97
For Silver Solder Instead Of 95/5 Solder, Add	16.17	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-12.76	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.22	
For Work In Restricted Working Space, Add	20.45	
22 11 16 00-0629 EA 5" Cast Bronze Cap .....	940.94	69.26
For Silver Solder Instead Of 95/5 Solder, Add	57.54	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-52.29	
For Brazed Fittings Instead Of 95/5 Solder, Add	15.74	
For Work In Restricted Working Space, Add	31.48	
22 11 16 00-0630 EA 6" Cast Bronze Cap .....	1,818.32	100.83
For Silver Solder Instead Of 95/5 Solder, Add	106.19	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-98.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.91	
For Work In Restricted Working Space, Add	45.81	
22 11 16 00-0631 EA 8" Cast Bronze Cap .....	2,317.53	134.34
For Silver Solder Instead Of 95/5 Solder, Add	136.24	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-126.06	
For Brazed Fittings Instead Of 95/5 Solder, Add	30.54	
For Work In Restricted Working Space, Add	61.08	
<b>22 11 16 00-0632 Copper Crosses (22 11 16 00-0450)</b>		
22 11 16 00-0633 EA 1/2" Copper Cross .....	108.43	61.45
For Silver Solder Instead Of 95/5 Solder, Add	14.64	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.03	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.82	
For Work In Restricted Working Space, Add	27.65	
22 11 16 00-0634 EA 3/4" Copper Cross .....	146.14	76.39
For Silver Solder Instead Of 95/5 Solder, Add	18.76	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.03	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.18	
For Work In Restricted Working Space, Add	34.35	
22 11 16 00-0635 EA 1" Copper Cross .....	190.59	91.18
For Silver Solder Instead Of 95/5 Solder, Add	23.22	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-16.37	
For Brazed Fittings Instead Of 95/5 Solder, Add	20.53	
For Work In Restricted Working Space, Add	41.06	
22 11 16 00-0636 EA 1-1/4" Copper Cross .....	225.24	98.73
For Silver Solder Instead Of 95/5 Solder, Add	26.06	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.66	
For Brazed Fittings Instead Of 95/5 Solder, Add	22.20	
For Work In Restricted Working Space, Add	44.41	
22 11 16 00-0637 EA 1-1/2" Copper Cross .....	272.06	107.94
For Silver Solder Instead Of 95/5 Solder, Add	29.80	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-21.70	
For Brazed Fittings Instead Of 95/5 Solder, Add	24.30	
For Work In Restricted Working Space, Add	48.60	
22 11 16 00-0638 EA 2" Copper Cross .....	389.48	121.08
For Silver Solder Instead Of 95/5 Solder, Add	37.63	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-28.55	
For Brazed Fittings Instead Of 95/5 Solder, Add	27.23	
For Work In Restricted Working Space, Add	54.46	
22 11 16 00-0639 EA 2-1/2" Copper Cross .....	680.41	134.06
For Silver Solder Instead Of 95/5 Solder, Add	54.13	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-44.08	
For Brazed Fittings Instead Of 95/5 Solder, Add	30.16	
For Work In Restricted Working Space, Add	60.33	
<b>22 11 16 00-0640 Cast Bronze Crosses (22 11 16 00-0450)</b>		
22 11 16 00-0641 EA 3/8" Cast Bronze Cross .....	88.73	44.68
For Silver Solder Instead Of 95/5 Solder, Add	11.14	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-7.79	
For Brazed Fittings Instead Of 95/5 Solder, Add	10.05	
For Work In Restricted Working Space, Add	20.11	
22 11 16 00-0642 EA 1/2" Cast Bronze Cross .....	111.69	61.45
For Silver Solder Instead Of 95/5 Solder, Add	14.80	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-10.19	
For Brazed Fittings Instead Of 95/5 Solder, Add	13.82	
For Work In Restricted Working Space, Add	27.65	
22 11 16 00-0643 EA 3/4" Cast Bronze Cross .....	152.46	76.39
For Silver Solder Instead Of 95/5 Solder, Add	19.07	
For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-13.35	
For Brazed Fittings Instead Of 95/5 Solder, Add	17.18	
For Work In Restricted Working Space, Add	34.35	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0644	EA		1" Cast Bronze Cross .....	201.32	91.18
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	23.75	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-16.91	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	20.53	
			<i>For Work In Restricted Working Space, Add</i>	41.06	
22 11 16 00-0645	EA		1-1/4" Cast Bronze Cross .....	240.69	98.73
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	26.84	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-19.44	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	22.20	
			<i>For Work In Restricted Working Space, Add</i>	44.41	
22 11 16 00-0646	EA		1-1/2" Cast Bronze Cross .....	294.07	107.94
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	30.90	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-22.80	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	24.30	
			<i>For Work In Restricted Working Space, Add</i>	48.60	
22 11 16 00-0647	EA		2" Cast Bronze Cross .....	405.96	121.08
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	38.45	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-29.38	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	27.23	
			<i>For Work In Restricted Working Space, Add</i>	54.46	
22 11 16 00-0648	EA		2-1/2" Cast Bronze Cross .....	776.27	134.06
			<i>For Silver Solder Instead Of 95/5 Solder, Add</i>	58.92	
			<i>For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct</i>	-48.87	
			<i>For Brazed Fittings Instead Of 95/5 Solder, Add</i>	30.16	
			<i>For Work In Restricted Working Space, Add</i>	60.33	
22 11 16 00-0649			<b>Flexible Corrugated Copper Supply Line (22 11 16 00-0450)</b>		
22 11 16 00-0650	EA		3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line .....	92.50	41.55
22 11 16 00-0651	EA		3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line .....	96.15	41.55
22 11 16 00-0652	EA		3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line .....	85.94	41.55
22 11 16 00-0653	EA		3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line .....	90.07	41.55
22 11 16 00-0654	EA		3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line .....	93.72	41.55
22 11 16 00-0655	EA		3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line .....	96.15	41.55
22 11 16 00-0656			<b>Crimped Copper Fittings (22 11 16 00-0383)</b>		
			Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.		
22 11 16 00-0657			<b>Crimped Copper 90 Degree Elbows (22 11 16 00-0656)</b>		
22 11 16 00-0658	EA		1/2" Crimped Copper 90 Degree Elbow .....	33.30	18.19
			<i>For Work In Restricted Working Space, Add</i>	8.19	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	0.90	
22 11 16 00-0659	EA		3/4" Crimped Copper 90 Degree Elbow .....	41.28	20.77
			<i>For Work In Restricted Working Space, Add</i>	9.32	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.53	
22 11 16 00-0660	EA		1" Crimped Copper 90 Degree Elbow .....	57.57	24.71
			<i>For Work In Restricted Working Space, Add</i>	11.15	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	3.06	
22 11 16 00-0661	EA		1-1/4" Crimped Copper 90 Degree Elbow .....	82.18	27.29
			<i>For Work In Restricted Working Space, Add</i>	12.28	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	6.19	
22 11 16 00-0662	EA		1-1/2" Crimped Copper 90 Degree Elbow .....	123.57	30.33
			<i>For Work In Restricted Working Space, Add</i>	13.65	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	11.71	
22 11 16 00-0663	EA		2" Crimped Copper 90 Degree Elbow .....	163.11	36.40
			<i>For Work In Restricted Working Space, Add</i>	16.38	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	16.28	
22 11 16 00-0664	EA		2-1/2" Crimped Copper 90 Degree Elbow .....	378.90	42.45
			<i>For Work In Restricted Working Space, Add</i>	19.11	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	47.28	
22 11 16 00-0665	EA		3" Crimped Copper 90 Degree Elbow .....	472.38	50.50
			<i>For Work In Restricted Working Space, Add</i>	22.74	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	59.49	
22 11 16 00-0666	EA		4" Crimped Copper 90 Degree Elbow .....	590.71	66.72
			<i>For Work In Restricted Working Space, Add</i>	30.02	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	73.60	
22 11 16 00-0667			<b>Crimped Copper 45 Degree Elbows (22 11 16 00-0656)</b>		
22 11 16 00-0668	EA		1/2" Crimped Copper 45 Degree Elbow .....	34.30	18.19
			<i>For Work In Restricted Working Space, Add</i>	8.19	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.05	
22 11 16 00-0669	EA		3/4" Crimped Copper 45 Degree Elbow .....	39.68	20.77
			<i>For Work In Restricted Working Space, Add</i>	9.32	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.29	
22 11 16 00-0670	EA		1" Crimped Copper 45 Degree Elbow .....	64.79	24.71
			<i>For Work In Restricted Working Space, Add</i>	11.15	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	4.15	
22 11 16 00-0671	EA		1-1/4" Crimped Copper 45 Degree Elbow .....	80.58	27.29
			<i>For Work In Restricted Working Space, Add</i>	12.28	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	5.95	
22 11 16 00-0672	EA		1-1/2" Crimped Copper 45 Degree Elbow .....	109.76	30.33
			<i>For Work In Restricted Working Space, Add</i>	13.65	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	9.64	
22 11 16 00-0673	EA		2" Crimped Copper 45 Degree Elbow .....	144.49	36.40
			<i>For Work In Restricted Working Space, Add</i>	16.38	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	13.49	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 16 00-0674	EA		2-1/2" Crimped Copper 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	271.91 19.11 31.23	42.45
	22 11 16 00-0675	EA		3" Crimped Copper 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	373.29 22.74 44.62	50.50
	22 11 16 00-0676	EA		4" Crimped Copper 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	513.21 30.02 61.97	66.72
<b>22 11 16 00-0677</b>				<b>Crimped Copper Straight Tees</b> (22 11 16 00-0656)		
	22 11 16 00-0678	EA		1/2" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	50.14 12.28 1.38	27.29
	22 11 16 00-0679	EA		3/4" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	70.04 16.15 2.43	35.94
	22 11 16 00-0680	EA		1" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	89.13 17.97 4.38	39.88
	22 11 16 00-0681	EA		1-1/4" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	110.86 18.42 7.42	40.94
	22 11 16 00-0682	EA		1-1/2" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	165.86 20.93 14.42	46.55
	22 11 16 00-0683	EA		2" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	200.60 24.56 17.81	54.59
	22 11 16 00-0684	EA		2-1/2" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	484.97 28.66 58.42	63.69
	22 11 16 00-0685	EA		3" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	600.51 34.12 73.02	75.81
	22 11 16 00-0686	EA		4" Crimped Copper Straight Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	833.17 45.04 102.46	100.07
<b>22 11 16 00-0687</b>				<b>Crimped Copper Reducing Tees</b> (22 11 16 00-0656)		
	22 11 16 00-0688	EA		3/4" Crimped Copper Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	63.99 11.69 3.75	25.93
	22 11 16 00-0689	EA		1" Crimped Copper Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	95.55 15.33 6.67	34.12
	22 11 16 00-0690	EA		1-1/4" Crimped Copper Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	102.11 17.06 6.79	37.91
	22 11 16 00-0691	EA		1-1/2" Crimped Copper Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	143.68 17.51 12.80	38.97
	22 11 16 00-0692	EA		2" Crimped Copper Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	174.19 19.88 16.19	44.13
	22 11 16 00-0693	EA		2-1/2" Crimped Copper Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	533.29 22.74 68.62	50.04
	22 11 16 00-0694	EA		3" Crimped Copper Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	651.02 27.29 84.01	60.66
	22 11 16 00-0695	EA		4" Crimped Copper Reducing Tee..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	758.48 36.39 95.58	80.82
<b>22 11 16 00-0696</b>				<b>Crimped Copper Couplings</b> (22 11 16 00-0656)		
	22 11 16 00-0697	EA		1/2" Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	32.70 8.19 0.81	18.19
	22 11 16 00-0698	EA		3/4" Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	39.29 9.32 1.23	20.77
	22 11 16 00-0699	EA		1" Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	53.75 11.15 2.49	24.71
	22 11 16 00-0700	EA		1-1/4" Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	61.57 12.28 3.09	27.29
	22 11 16 00-0701	EA		1-1/2" Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	83.93 13.65 5.77	30.33
	22 11 16 00-0702	EA		2" Crimped Copper Coupling..... <i>For Work In Restricted Working Space, Add</i> <i>For Natural Gas Fittings, 125 PSI, Add</i>	103.65 16.38 7.36	36.40

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0703	EA		2-1/2" Crimped Copper Coupling.....	220.68	42.45
			<i>For Work In Restricted Working Space, Add</i>	19.11	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	23.55	
22 11 16 00-0704	EA		3" Crimped Copper Coupling.....	275.74	50.50
			<i>For Work In Restricted Working Space, Add</i>	22.74	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	29.99	
22 11 16 00-0705	EA		4" Crimped Copper Coupling.....	377.69	66.72
			<i>For Work In Restricted Working Space, Add</i>	30.02	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	41.64	
<b>22 11 16 00-0706</b>			<b>Crimped Copper Reducing Couplings (22 11 16 00-0656)</b>		
22 11 16 00-0707	EA		3/4" Crimped Copper Reducing Coupling.....	50.56	17.29
			<i>For Work In Restricted Working Space, Add</i>	7.78	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	3.69	
22 11 16 00-0708	EA		1" Crimped Copper Reducing Coupling.....	57.81	19.71
			<i>For Work In Restricted Working Space, Add</i>	8.87	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	4.24	
22 11 16 00-0709	EA		1-1/4" Crimped Copper Reducing Coupling.....	76.38	23.50
			<i>For Work In Restricted Working Space, Add</i>	10.60	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	6.16	
22 11 16 00-0710	EA		1-1/2" Crimped Copper Reducing Coupling.....	99.43	25.93
			<i>For Work In Restricted Working Space, Add</i>	11.69	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	9.07	
22 11 16 00-0711	EA		2" Crimped Copper Reducing Coupling.....	111.29	28.81
			<i>For Work In Restricted Working Space, Add</i>	12.97	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	10.21	
22 11 16 00-0712	EA		2-1/2" Crimped Copper FTG x C Reducing Coupling.....	237.01	34.42
			<i>For Work In Restricted Working Space, Add</i>	15.47	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	27.82	
22 11 16 00-0713	EA		3" Crimped Copper FTG x C Reducing Coupling.....	297.21	40.49
			<i>For Work In Restricted Working Space, Add</i>	18.20	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	35.48	
22 11 16 00-0714	EA		4" Crimped Copper FTG x C Reducing Coupling.....	385.56	53.53
			<i>For Work In Restricted Working Space, Add</i>	24.11	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	45.78	
<b>22 11 16 00-0715</b>			<b>Crimped Copper Male Adapters (22 11 16 00-0656)</b>		
22 11 16 00-0716	EA		1/2" Crimped Copper Male Adapter.....	33.91	18.19
			<i>For Work In Restricted Working Space, Add</i>	8.19	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	0.99	
22 11 16 00-0717	EA		3/4" Crimped Copper Male Adapter.....	43.08	20.77
			<i>For Work In Restricted Working Space, Add</i>	9.32	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.80	
22 11 16 00-0718	EA		1" Crimped Copper Male Adapter.....	59.17	24.71
			<i>For Work In Restricted Working Space, Add</i>	11.15	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	3.30	
22 11 16 00-0719	EA		1-1/4" Crimped Copper Male Adapter.....	89.18	27.29
			<i>For Work In Restricted Working Space, Add</i>	12.28	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	7.24	
22 11 16 00-0720	EA		1-1/2" Crimped Copper Male Adapter.....	113.16	30.33
			<i>For Work In Restricted Working Space, Add</i>	13.65	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	10.15	
22 11 16 00-0721	EA		2" Crimped Copper Male Adapter.....	184.92	36.40
			<i>For Work In Restricted Working Space, Add</i>	16.38	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	19.55	
22 11 16 00-0722	EA		2-1/2" Crimped Copper Male Adapter.....	378.90	42.45
			<i>For Work In Restricted Working Space, Add</i>	19.11	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	47.28	
22 11 16 00-0723	EA		3" Crimped Copper Male Adapter.....	472.38	50.50
			<i>For Work In Restricted Working Space, Add</i>	22.74	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	59.49	
22 11 16 00-0724	EA		4" Crimped Copper Male Adapter.....	559.11	66.72
			<i>For Work In Restricted Working Space, Add</i>	30.02	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	68.86	
<b>22 11 16 00-0725</b>			<b>Crimped Copper Female Adapters (22 11 16 00-0656)</b>		
22 11 16 00-0726	EA		1/2" Crimped Copper Female Adapter.....	35.29	18.19
			<i>For Work In Restricted Working Space, Add</i>	8.19	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.20	
22 11 16 00-0727	EA		3/4" Crimped Copper Female Adapter.....	44.10	20.77
			<i>For Work In Restricted Working Space, Add</i>	9.32	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	1.95	
22 11 16 00-0728	EA		1" Crimped Copper Female Adapter.....	61.18	24.71
			<i>For Work In Restricted Working Space, Add</i>	11.15	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	3.60	
22 11 16 00-0729	EA		1-1/4" Crimped Copper Female Adapter.....	95.20	27.29
			<i>For Work In Restricted Working Space, Add</i>	12.28	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	8.14	
22 11 16 00-0730	EA		1-1/2" Crimped Copper Female Adapter.....	124.38	30.33
			<i>For Work In Restricted Working Space, Add</i>	13.65	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	11.83	
22 11 16 00-0731	EA		2" Crimped Copper Female Adapter.....	188.53	36.40
			<i>For Work In Restricted Working Space, Add</i>	16.38	
			<i>For Natural Gas Fittings, 125 PSI, Add</i>	20.09	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>22 11 16 00-0732 Crimped Copper Caps (22 11 16 00-0656)</b>		
22 11 16 00-0733 EA 1/2" Crimped Copper Cap.....	25.26	9.10
For Work In Restricted Working Space, Add	4.10	
For Natural Gas Fittings, 125 PSI, Add	1.74	
22 11 16 00-0734 EA 3/4" Crimped Copper Cap.....	35.53	10.61
For Work In Restricted Working Space, Add	4.78	
For Natural Gas Fittings, 125 PSI, Add	2.94	
22 11 16 00-0735 EA 1" Crimped Copper Cap.....	48.42	12.14
For Work In Restricted Working Space, Add	5.46	
For Natural Gas Fittings, 125 PSI, Add	4.53	
22 11 16 00-0736 EA 1-1/4" Crimped Copper Cap.....	54.70	13.65
For Work In Restricted Working Space, Add	6.14	
For Natural Gas Fittings, 125 PSI, Add	5.13	
22 11 16 00-0737 EA 1-1/2" Crimped Copper Cap.....	76.56	15.62
For Work In Restricted Working Space, Add	7.05	
For Natural Gas Fittings, 125 PSI, Add	7.96	
22 11 16 00-0738 EA 2" Crimped Copper Cap.....	91.75	18.19
For Work In Restricted Working Space, Add	8.19	
For Natural Gas Fittings, 125 PSI, Add	9.67	
22 11 16 00-0739 EA 2-1/2" Crimped Copper Cap.....	237.94	21.23
For Work In Restricted Working Space, Add	9.55	
For Natural Gas Fittings, 125 PSI, Add	30.92	
22 11 16 00-0740 EA 3" Crimped Copper Cap.....	298.76	25.32
For Work In Restricted Working Space, Add	11.37	
For Natural Gas Fittings, 125 PSI, Add	39.13	
22 11 16 00-0741 EA 4" Crimped Copper Cap.....	397.63	33.36
For Work In Restricted Working Space, Add	15.01	
For Natural Gas Fittings, 125 PSI, Add	52.14	
<b>22 11 16 00-0742 C x F NPT Crimped Bronze Unions (22 11 16 00-0656)</b>		
22 11 16 00-0743 EA 1/2" C x F NPT Crimped Bronze Union.....	71.20	24.71
For Work In Restricted Working Space, Add	11.15	
For Natural Gas Fittings, 125 PSI, Add	5.11	
22 11 16 00-0744 EA 3/4" C x F NPT Crimped Bronze Union.....	89.28	30.48
For Work In Restricted Working Space, Add	13.69	
For Natural Gas Fittings, 125 PSI, Add	6.55	
22 11 16 00-0745 EA 1" C x F NPT Crimped Bronze Union.....	127.23	36.55
For Work In Restricted Working Space, Add	16.42	
For Natural Gas Fittings, 125 PSI, Add	10.87	
22 11 16 00-0746 EA 1-1/4" C x F NPT Crimped Bronze Union.....	155.09	42.15
For Work In Restricted Working Space, Add	19.02	
For Natural Gas Fittings, 125 PSI, Add	13.76	
22 11 16 00-0747 EA 1-1/2" C x F NPT Crimped Bronze Union.....	206.02	41.24
For Work In Restricted Working Space, Add	18.56	
For Natural Gas Fittings, 125 PSI, Add	21.62	
22 11 16 00-0748 EA 2" C x F NPT Crimped Bronze Union.....	280.45	59.75
For Work In Restricted Working Space, Add	26.84	
For Natural Gas Fittings, 125 PSI, Add	28.65	
<b>22 11 16 00-0749 C x C Crimped Bronze Unions (22 11 16 00-0656)</b>		
22 11 16 00-0750 EA 1/2" C x C Bronze Crimped Union.....	69.73	18.19
For Work In Restricted Working Space, Add	8.19	
For Natural Gas Fittings, 125 PSI, Add	6.37	
22 11 16 00-0751 EA 3/4" C x C Bronze Crimped Union.....	86.73	20.77
For Work In Restricted Working Space, Add	9.32	
For Natural Gas Fittings, 125 PSI, Add	8.35	
22 11 16 00-0752 EA 1" C x C Bronze Crimped Union.....	126.03	24.71
For Work In Restricted Working Space, Add	11.15	
For Natural Gas Fittings, 125 PSI, Add	13.33	
22 11 16 00-0753 EA 1-1/4" C x C Bronze Crimped Union.....	167.87	27.29
For Work In Restricted Working Space, Add	12.28	
For Natural Gas Fittings, 125 PSI, Add	19.04	
22 11 16 00-0754 EA 1-1/2" C x C Bronze Crimped Union.....	217.86	30.33
For Work In Restricted Working Space, Add	13.65	
For Natural Gas Fittings, 125 PSI, Add	25.86	
22 11 16 00-0755 EA 2" C x C Bronze Crimped Union.....	336.08	36.40
For Work In Restricted Working Space, Add	16.38	
For Natural Gas Fittings, 125 PSI, Add	42.22	
<b>22 11 16 00-0756 C x Flange Crimped Bronze Flange (22 11 16 00-0656)</b>		
22 11 16 00-0757 EA 2-1/2" C x Flange Crimped Bronze Flange.....	666.41	42.45
For Work In Restricted Working Space, Add	19.11	
22 11 16 00-0758 EA 3" C x Flange Crimped Bronze Flange.....	724.54	50.50
For Work In Restricted Working Space, Add	22.74	
22 11 16 00-0759 EA 4" C x Flange Crimped Bronze Flange.....	826.30	66.72
For Work In Restricted Working Space, Add	30.02	
<b>22 11 16 00-0760 Field Installed FKM Seals (22 11 16 00-0656)</b>		
Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0761 EA 1/2" Field Installed FKM Seal.....	10.22	
Note: To be used in conjunction with fittings.		
For Work In Restricted Working Space, Add	2.05	



**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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22 11 16 00-0762	EA	3/4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings. <i>For Work In Restricted Working Space, Add</i>	13.16	
			2.39	
22 11 16 00-0763	EA	1" Field Installed FKM Seal..... Note: To be used in conjunction with fittings. <i>For Work In Restricted Working Space, Add</i>	15.11	
			2.73	
22 11 16 00-0764	EA	1-1/4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings. <i>For Work In Restricted Working Space, Add</i>	17.46	
			3.07	
22 11 16 00-0765	EA	1-1/2" Field Installed FKM Seal..... Note: To be used in conjunction with fittings. <i>For Work In Restricted Working Space, Add</i>	25.37	
			3.53	
22 11 16 00-0766	EA	2" Field Installed FKM Seal..... Note: To be used in conjunction with fittings. <i>For Work In Restricted Working Space, Add</i>	28.06	
			4.10	
22 11 16 00-0767	EA	2-1/2" Field Installed FKM Seal..... Note: To be used in conjunction with fittings. <i>For Work In Restricted Working Space, Add</i>	43.35	
			4.78	
22 11 16 00-0768	EA	3" Field Installed FKM Seal..... Note: To be used in conjunction with fittings. <i>For Work In Restricted Working Space, Add</i>	49.58	
			5.69	
22 11 16 00-0769	EA	4" Field Installed FKM Seal..... Note: To be used in conjunction with fittings. <i>For Work In Restricted Working Space, Add</i>	67.85	
			7.51	
<b>22 11 16 00-0770</b>		<b>Cut And Prepare Existing In-Place Copper Pipe (22 11 16 00-0383)</b>		
22 11 16 00-0771	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe .....	15.16	
22 11 16 00-0772	EA	3/4", Cut And Prepare Existing In Place Copper Pipe .....	16.38	
22 11 16 00-0773	EA	1", Cut And Prepare Existing In Place Copper Pipe .....	18.42	
22 11 16 00-0774	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe .....	19.33	
22 11 16 00-0775	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe .....	20.47	
22 11 16 00-0776	EA	2", Cut And Prepare Existing In Place Copper Pipe .....	22.53	
22 11 16 00-0777	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe .....	24.26	
22 11 16 00-0778	EA	3", Cut And Prepare Existing In Place Copper Pipe .....	28.65	
22 11 16 00-0779	EA	4", Cut And Prepare Existing In Place Copper Pipe .....	38.66	
22 11 16 00-0780	EA	6", Cut And Prepare Existing In Place Copper Pipe .....	55.26	
22 11 16 00-0781	EA	8", Cut And Prepare Existing In Place Copper Pipe .....	73.70	
<b>22 11 16 00-0782</b>		<b>Sweat Brass Companion Flanges (22 11 16 00-0383)</b>		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
22 11 16 00-0783	EA	1" Sweat Brass Companion Flange .....	79.81	23.33
22 11 16 00-0784	EA	1-1/4" Sweat Brass Companion Flange .....	87.16	25.70
22 11 16 00-0785	EA	1-1/2" Sweat Brass Companion Flange .....	123.17	27.92
22 11 16 00-0786	EA	2" Sweat Brass Companion Flange .....	163.76	31.00
22 11 16 00-0787	EA	2-1/2" Sweat Brass Companion Flange .....	191.54	37.28
22 11 16 00-0788	EA	3" Sweat Brass Companion Flange .....	213.73	48.88
22 11 16 00-0789	EA	4" Sweat Brass Companion Flange .....	283.22	58.23
22 11 16 00-0790	EA	5" Sweat Brass Companion Flange .....	535.03	70.18
22 11 16 00-0791	EA	6" Sweat Brass Companion Flange .....	627.93	101.97
22 11 16 00-0792	EA	8" Copper Companion Flange .....	1,400.22	145.45
<b>22 11 16 00-0793</b>		<b>Brass Compression Fittings (22 11 16 00-0383)</b>		
<b>22 11 16 00-0794</b>		<b>Brass Compression Unions (22 11 16 00-0793)</b>		
22 11 16 00-0795	EA	1/4" Brass Compression Union .....	25.63	16.38
22 11 16 00-0796	EA	3/8" Brass Compression Union .....	25.93	16.38
22 11 16 00-0797	EA	1/2" Brass Compression Union .....	26.84	16.38
22 11 16 00-0798	EA	5/8" Brass Compression Union .....	27.27	16.38
22 11 16 00-0799	EA	3/4" Brass Compression Union .....	35.88	16.38
<b>22 11 16 00-0800</b>		<b>Brass Compression Union Elbows (22 11 16 00-0793)</b>		
22 11 16 00-0801	EA	1/4" Brass Compression Union Elbow .....	26.84	16.38
22 11 16 00-0802	EA	3/8" Brass Compression Union Elbow .....	27.33	16.38
22 11 16 00-0803	EA	1/2" Brass Compression Union Elbow .....	28.41	16.38
22 11 16 00-0804	EA	5/8" Brass Compression Union Elbow .....	30.08	16.38
22 11 16 00-0805	EA	3/4" Brass Compression Union Elbow .....	36.61	16.38
22 11 16 00-0806	EA	3/8" x 1/4" Brass Compression Union Elbow .....	27.33	16.38
22 11 16 00-0807	EA	1/2" x 3/8" Brass Compression Union Elbow .....	28.41	16.38
22 11 16 00-0808	EA	5/8" x 3/8" Brass Compression Union Elbow .....	28.71	16.38
22 11 16 00-0809	EA	5/8" x 1/2" Brass Compression Union Elbow .....	33.61	16.38
<b>22 11 16 00-0810</b>		<b>Brass Compression Union Tees (22 11 16 00-0793)</b>		
22 11 16 00-0811	EA	1/4" Brass Compression Union Tee .....	27.21	16.38
22 11 16 00-0812	EA	3/8" Brass Compression Union Tee .....	28.23	16.38
22 11 16 00-0813	EA	1/2" Brass Compression Union Tee .....	29.31	16.38
22 11 16 00-0814	EA	5/8" Brass Compression Union Tee .....	32.72	16.38
22 11 16 00-0815	EA	3/4" Brass Compression Union Tee .....	44.50	16.38
22 11 16 00-0816	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee .....	28.95	16.38
22 11 16 00-0817	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee .....	34.48	16.38
22 11 16 00-0818	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee .....	33.95	16.38
22 11 16 00-0819	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee .....	34.57	16.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0820			<b>Brass Compression Male Connectors</b> (22 11 16 00-0793)		
	EA	1/4"	Brass Compression Male Connector .....	25.42	16.38
	EA	3/8"	Brass Compression Male Connector .....	25.81	16.38
	EA	1/2"	Brass Compression Male Connector .....	26.49	16.38
	EA	5/8"	Brass Compression Male Connector .....	27.51	16.38
	EA	3/4"	Brass Compression Male Connector .....	32.47	16.23
22 11 16 00-0826			<b>Brass Compression Female Connectors</b> (22 11 16 00-0793)		
	EA	1/4"	Brass Compression Female Connector .....	25.85	16.38
	EA	3/8"	Brass Compression Female Connector .....	26.36	16.38
	EA	1/2"	Brass Compression Female Connector .....	27.23	16.38
	EA	5/8"	Brass Compression Female Connector .....	27.72	16.38
	EA	3/4"	Brass Compression Female Connector .....	40.35	16.08
22 11 16 00-0832			<b>Dielectric Fittings</b> (22 11 16 00-0832)		
22 11 16 00-0833			<b>Copper x Female Iron Pipe Thread Dielectric Unions</b> (22 11 16 00-0832)		
	EA	1/2"	Copper x Female Iron Pipe Thread Dielectric Union .....	62.23	36.40
	EA	3/4"	Copper x Female Iron Pipe Thread Dielectric Union .....	69.81	41.55
	EA	1"	Copper x Female Iron Pipe Thread Dielectric Union .....	81.72	45.66
	EA	1-1/4"	Copper x Female Iron Pipe Thread Dielectric Union .....	97.21	50.27
	EA	1-1/2"	Copper x Female Iron Pipe Thread Dielectric Union .....	115.74	55.86
	EA	2"	Copper x Female Iron Pipe Thread Dielectric Union .....	145.58	67.03
22 11 16 00-0840			<b>Female Brass Thread x Iron Pipe Thread Dielectric Unions</b> (22 11 16 00-0832)		
	EA	1/2"	Female Brass Thread x Iron Pipe Thread Dielectric Union .....	67.06	36.40
	EA	3/4"	Female Brass Thread x Iron Pipe Thread Dielectric Union .....	77.77	41.55
	EA	1"	Female Brass Thread x Iron Pipe Thread Dielectric Union .....	92.21	45.66
	EA	1-1/4"	Female Brass Thread x Iron Pipe Thread Dielectric Union .....	111.12	50.27
	EA	1-1/2"	Female Brass Thread x Iron Pipe Thread Dielectric Union .....	132.95	55.86
	EA	2"	Female Brass Thread x Iron Pipe Thread Dielectric Union .....	165.76	67.03
22 11 16 00-0847			<b>Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions</b> (22 11 16 00-0832)		
	EA	1/2"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	64.00	36.40
	EA	3/4"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	72.72	41.55
	EA	1"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	82.49	45.66
	EA	1-1/4"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	94.52	50.27
	EA	1-1/2"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	113.07	55.86
	EA	2"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union .....	143.44	67.03
22 11 16 00-0854			<b>Copper x Female Iron Pipe Thread Dielectric Flanges</b> (22 11 16 00-0832)		
	EA	2-1/2"	Copper x Female Iron Pipe Thread Dielectric Flange .....	357.73	172.32
	EA	3"	Copper x Female Iron Pipe Thread Dielectric Flange .....	448.29	217.01
	EA	4"	Copper x Female Iron Pipe Thread Dielectric Flange .....	628.17	295.35
22 11 16 00-0858			<b>Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges</b> (22 11 16 00-0832)		
	EA	2-1/2"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange .....	359.71	172.32
	EA	3"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange .....	464.13	217.01
	EA	4"	Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange .....	810.82	295.35
22 11 16 00-0862			<b>Copper Pipe With Fittings And Hangers Assemblies</b> (22 11 16)		
	LF	1/2"	Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly .....	29.20	4.24
			Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	1.90	
			For Type M Tubing Instead Of Type L, Deduct	-1.61	
			For Silver Solder Instead Of 95/5 Solder, Add	3.83	
			For For Brazed Fittings, Add	0.95	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-2.65	
			For Work In Restricted Working Space, Add	7.12	
	LF	3/4"	Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly .....	33.42	5.46
			Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
			For Type K Tubing Instead Of Type L, Add	2.22	
			For Type M Tubing Instead Of Type L, Deduct	-1.86	
			For Silver Solder Instead Of 95/5 Solder, Add	4.36	
			For For Brazed Fittings, Add	1.08	
			For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.02	
			For Work In Restricted Working Space, Add	8.06	

## 22 Plumbing

## 22 10 Plumbing Piping

## 22 11 Facility Water Distribution

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

22 11 16 00-0865	LF	1" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	36.47	6.52
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	2.57	
		For Type M Tubing Instead Of Type L, Deduct	-2.12	
		For Silver Solder Instead Of 95/5 Solder, Add	4.64	
		For For Brazed Fittings, Add	1.13	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.23	
		For Work In Restricted Working Space, Add	8.45	
22 11 16 00-0866	LF	1-1/4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly .....	40.81	7.58
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	3.18	
		For Type M Tubing Instead Of Type L, Deduct	-2.56	
		For Silver Solder Instead Of 95/5 Solder, Add	4.97	
		For For Brazed Fittings, Add	1.17	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.50	
		For Work In Restricted Working Space, Add	8.78	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.15	
22 11 16 00-0867	LF	1-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly .....	45.04	8.65
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	3.66	
		For Type M Tubing Instead Of Type L, Deduct	-2.91	
		For Silver Solder Instead Of 95/5 Solder, Add	5.37	
		For For Brazed Fittings, Add	1.25	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-3.81	
		For Work In Restricted Working Space, Add	9.36	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-1.38	
22 11 16 00-0868	LF	2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	55.95	10.76
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	4.93	
		For Type M Tubing Instead Of Type L, Deduct	-3.84	
		For Silver Solder Instead Of 95/5 Solder, Add	6.39	
		For For Brazed Fittings, Add	1.44	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-4.59	
		For Work In Restricted Working Space, Add	10.78	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.00	
22 11 16 00-0869	LF	2-1/2" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly .....	67.45	12.99
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	6.58	
		For Type M Tubing Instead Of Type L, Deduct	-5.01	
		For Silver Solder Instead Of 95/5 Solder, Add	7.23	
		For For Brazed Fittings, Add	1.54	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-5.30	
		For Work In Restricted Working Space, Add	11.56	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-2.89	
22 11 16 00-0870	LF	3" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	81.30	15.09
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	8.57	
		For Type M Tubing Instead Of Type L, Deduct	-6.42	
		For Silver Solder Instead Of 95/5 Solder, Add	8.24	
		For For Brazed Fittings, Add	1.67	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-6.15	
		For Work In Restricted Working Space, Add	12.52	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-3.96	
22 11 16 00-0871	LF	4" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	124.39	19.97
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	14.44	
		For Type M Tubing Instead Of Type L, Deduct	-10.61	
		For Silver Solder Instead Of 95/5 Solder, Add	11.62	
		For For Brazed Fittings, Add	2.16	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-8.92	
		For Work In Restricted Working Space, Add	16.19	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-7.04	
22 11 16 00-0872	LF	5" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	218.03	24.86
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	28.72	
		For Type M Tubing Instead Of Type L, Deduct	-20.62	
		For Silver Solder Instead Of 95/5 Solder, Add	17.83	
		For For Brazed Fittings, Add	2.77	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-14.36	
		For Work In Restricted Working Space, Add	20.78	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-14.88	
22 11 16 00-0873	LF	6" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	284.34	30.02
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	37.77	
		For Type M Tubing Instead Of Type L, Deduct	-27.08	
		For Silver Solder Instead Of 95/5 Solder, Add	23.01	
		For For Brazed Fittings, Add	3.52	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-18.62	
		For Work In Restricted Working Space, Add	26.39	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-19.64	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-0874	LF	8" Inside Diameter, Type L, Copper Pipe/Tubing With Fittings Assembly.....	612.98	35.89
		Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.		
		For Type K Tubing Instead Of Type L, Add	92.21	
		For Type M Tubing Instead Of Type L, Deduct	-64.61	
		For Silver Solder Instead Of 95/5 Solder, Add	41.58	
		For For Brazed Fittings, Add	4.37	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	-36.12	
		For Work In Restricted Working Space, Add	32.80	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	-50.37	
22 11 16 00-0875		Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16)		
		Note: Socket weld.		
22 11 16 00-0876		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings (22 11 16 00-0875)		
22 11 16 00-0877		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe (22 11 16 00-0876)		
22 11 16 00-0878	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	8.43	2.24
		For Work In Restricted Working Space, Add	1.67	
22 11 16 00-0879	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	9.75	2.35
		For Work In Restricted Working Space, Add	1.76	
22 11 16 00-0880	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	12.01	2.53
		For Work In Restricted Working Space, Add	1.89	
22 11 16 00-0881	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	14.77	2.75
		For Work In Restricted Working Space, Add	2.07	
22 11 16 00-0882	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	17.15	3.05
		For Work In Restricted Working Space, Add	2.29	
22 11 16 00-0883	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	21.70	3.41
		For Work In Restricted Working Space, Add	2.55	
22 11 16 00-0884	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	29.87	3.87
		For Work In Restricted Working Space, Add	2.90	
22 11 16 00-0885	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	38.41	4.58
		For Work In Restricted Working Space, Add	3.43	
22 11 16 00-0886	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	53.63	5.63
		For Work In Restricted Working Space, Add	4.22	
22 11 16 00-0887	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	94.41	7.15
		For Work In Restricted Working Space, Add	5.37	
22 11 16 00-0888	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	136.33	9.39
		For Work In Restricted Working Space, Add	7.04	
22 11 16 00-0889		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (22 11 16 00-0876)		
22 11 16 00-0890	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	30.97	10.61
		For Work In Restricted Working Space, Add	7.96	
22 11 16 00-0891	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	40.41	13.40
		For Work In Restricted Working Space, Add	10.05	
22 11 16 00-0892	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	52.94	16.76
		For Work In Restricted Working Space, Add	12.61	
22 11 16 00-0893	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	73.52	20.95
		For Work In Restricted Working Space, Add	15.75	
22 11 16 00-0894	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	81.82	23.18
		For Work In Restricted Working Space, Add	17.43	
22 11 16 00-0895	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	96.76	23.18
		For Work In Restricted Working Space, Add	19.44	
22 11 16 00-0896	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	157.01	29.47
		For Work In Restricted Working Space, Add	22.12	
22 11 16 00-0897	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	177.64	34.91
		For Work In Restricted Working Space, Add	26.14	
22 11 16 00-0898	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	258.17	42.87
		For Work In Restricted Working Space, Add	32.18	
22 11 16 00-0899	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	325.47	54.47
		For Work In Restricted Working Space, Add	40.89	
22 11 16 00-0900	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	641.74	71.50
		For Work In Restricted Working Space, Add	53.63	
22 11 16 00-0901		Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (22 11 16 00-0876)		
22 11 16 00-0902	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	33.18	10.61
		For Work In Restricted Working Space, Add	7.96	
22 11 16 00-0903	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	43.06	13.40
		For Work In Restricted Working Space, Add	10.05	
22 11 16 00-0904	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	57.25	16.76
		For Work In Restricted Working Space, Add	12.61	
22 11 16 00-0905	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	79.19	20.95
		For Work In Restricted Working Space, Add	15.75	
22 11 16 00-0906	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	88.72	23.18
		For Work In Restricted Working Space, Add	17.43	
22 11 16 00-0907	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	99.11	25.98
		For Work In Restricted Working Space, Add	19.44	
22 11 16 00-0908	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	158.49	29.47
		For Work In Restricted Working Space, Add	22.12	
22 11 16 00-0909	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	177.45	34.91
		For Work In Restricted Working Space, Add	26.14	
22 11 16 00-0910	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	231.13	42.87
		For Work In Restricted Working Space, Add	32.18	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0911	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	376.16 40.89	54.47
22 11 16 00-0912	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	677.66 53.63	71.50
<b>22 11 16 00-0913</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-0914	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	47.87 11.94	15.92
22 11 16 00-0915	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	63.15 15.08	20.11
22 11 16 00-0916	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	78.95 18.94	25.27
22 11 16 00-0917	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	112.15 23.63	31.56
22 11 16 00-0918	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	125.40 26.14	34.91
22 11 16 00-0919	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	154.25 29.16	38.83
22 11 16 00-0920	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	204.34 33.18	44.27
22 11 16 00-0921	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	232.71 39.21	52.23
22 11 16 00-0922	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	281.36 48.26	64.38
22 11 16 00-0923	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	439.88 61.33	81.84
22 11 16 00-0924	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee <i>For Work In Restricted Working Space, Add</i>	942.15 80.44	107.25
<b>22 11 16 00-0925</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-0926	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	60.01 15.92	21.23
22 11 16 00-0927	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	78.12 20.11	26.81
22 11 16 00-0928	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	97.70 25.22	33.65
22 11 16 00-0929	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	133.77 31.50	42.03
22 11 16 00-0930	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	149.13 34.85	46.50
22 11 16 00-0931	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	178.74 38.88	51.80
22 11 16 00-0932	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	228.21 44.24	58.93
22 11 16 00-0933	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	262.13 52.28	69.68
22 11 16 00-0934	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	318.28 64.35	85.74
22 11 16 00-0935	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	475.38 81.78	109.06
22 11 16 00-0936	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross <i>For Work In Restricted Working Space, Add</i>	938.06 107.25	143.00
<b>22 11 16 00-0937</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-0938	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	27.23 7.37	9.77
22 11 16 00-0939	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	38.27 9.93	13.27
22 11 16 00-0940	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	66.94 12.99	17.32
22 11 16 00-0941	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	75.81 14.37	19.13
22 11 16 00-0942	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	90.14 16.05	21.37
22 11 16 00-0943	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	97.54 18.27	24.29
22 11 16 00-0944	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	118.85 21.57	28.77
22 11 16 00-0945	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	163.75 26.56	35.33
22 11 16 00-0946	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	272.64 33.72	44.97
22 11 16 00-0947	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert <i>For Work In Restricted Working Space, Add</i>	629.55 44.24	58.93
<b>22 11 16 00-0948</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-0949	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert <i>For Work In Restricted Working Space, Add</i>	34.83 5.24	6.98



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0950	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	43.31	9.77
			<i>For Work In Restricted Working Space, Add</i>	7.37	
22 11 16 00-0951	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	53.18	13.27
			<i>For Work In Restricted Working Space, Add</i>	9.93	
22 11 16 00-0952	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	65.65	17.32
			<i>For Work In Restricted Working Space, Add</i>	12.99	
22 11 16 00-0953	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	77.72	19.13
			<i>For Work In Restricted Working Space, Add</i>	14.37	
22 11 16 00-0954	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	99.63	21.37
			<i>For Work In Restricted Working Space, Add</i>	16.05	
22 11 16 00-0955	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	159.52	24.29
			<i>For Work In Restricted Working Space, Add</i>	18.27	
22 11 16 00-0956	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	329.52	28.77
			<i>For Work In Restricted Working Space, Add</i>	21.57	
22 11 16 00-0957	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	494.54	35.33
			<i>For Work In Restricted Working Space, Add</i>	26.56	
<b>22 11 16 00-0958 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters</b> <small>(22 11 16 00-0876)</small>					
22 11 16 00-0959	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	24.11	6.98
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0960	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	33.57	9.77
			<i>For Work In Restricted Working Space, Add</i>	7.37	
22 11 16 00-0961	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	48.25	13.27
			<i>For Work In Restricted Working Space, Add</i>	9.93	
22 11 16 00-0962	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	65.65	17.32
			<i>For Work In Restricted Working Space, Add</i>	12.99	
22 11 16 00-0963	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	78.15	19.13
			<i>For Work In Restricted Working Space, Add</i>	14.37	
22 11 16 00-0964	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	94.39	21.37
			<i>For Work In Restricted Working Space, Add</i>	16.05	
22 11 16 00-0965	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	138.33	24.29
			<i>For Work In Restricted Working Space, Add</i>	18.27	
22 11 16 00-0966	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	165.54	28.77
			<i>For Work In Restricted Working Space, Add</i>	21.57	
22 11 16 00-0967	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	246.84	35.33
			<i>For Work In Restricted Working Space, Add</i>	26.56	
<b>22 11 16 00-0968 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters</b> <small>(22 11 16 00-0876)</small>					
22 11 16 00-0969	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	26.64	6.98
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 11 16 00-0970	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	34.38	9.77
			<i>For Work In Restricted Working Space, Add</i>	7.37	
22 11 16 00-0971	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	48.46	13.27
			<i>For Work In Restricted Working Space, Add</i>	9.93	
22 11 16 00-0972	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	66.39	17.32
			<i>For Work In Restricted Working Space, Add</i>	12.99	
22 11 16 00-0973	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	74.76	19.13
			<i>For Work In Restricted Working Space, Add</i>	14.37	
22 11 16 00-0974	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	91.62	21.37
			<i>For Work In Restricted Working Space, Add</i>	16.05	
22 11 16 00-0975	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	139.93	24.29
			<i>For Work In Restricted Working Space, Add</i>	18.27	
22 11 16 00-0976	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	193.51	28.77
			<i>For Work In Restricted Working Space, Add</i>	21.57	
22 11 16 00-0977	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	294.40	35.33
			<i>For Work In Restricted Working Space, Add</i>	26.56	
<b>22 11 16 00-0978 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings</b> <small>(22 11 16 00-0876)</small>					
22 11 16 00-0979	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	21.59	6.42
			<i>For Work In Restricted Working Space, Add</i>	4.78	
22 11 16 00-0980	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	30.36	8.93
			<i>For Work In Restricted Working Space, Add</i>	6.71	
22 11 16 00-0981	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	40.80	12.01
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 11 16 00-0982	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	55.46	15.78
			<i>For Work In Restricted Working Space, Add</i>	11.81	
22 11 16 00-0983	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	63.84	17.46
			<i>For Work In Restricted Working Space, Add</i>	13.07	
22 11 16 00-0984	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	72.13	19.41
			<i>For Work In Restricted Working Space, Add</i>	14.58	
22 11 16 00-0985	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	111.73	22.06
			<i>For Work In Restricted Working Space, Add</i>	16.59	
22 11 16 00-0986	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	122.34	26.11
			<i>For Work In Restricted Working Space, Add</i>	19.61	
22 11 16 00-0987	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	155.09	32.12
			<i>For Work In Restricted Working Space, Add</i>	24.13	
22 11 16 00-0988	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	249.51	40.91
			<i>For Work In Restricted Working Space, Add</i>	30.67	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0989	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	432.52 40.22	53.62
<b>22 11 16 00-0990</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-0991	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	43.28 5.74	7.68
22 11 16 00-0992	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	52.13 8.04	10.75
22 11 16 00-0993	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	62.15 10.81	14.38
22 11 16 00-0994	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	108.62 14.16	18.85
22 11 16 00-0995	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	114.76 15.67	20.95
22 11 16 00-0996	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	162.11 17.51	23.33
22 11 16 00-0997	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	281.45 19.90	26.53
22 11 16 00-0998	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	403.55 23.54	31.42
22 11 16 00-0999	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	649.12 28.95	38.54
22 11 16 00-1000	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	868.96 36.78	49.01
22 11 16 00-1001	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions..... <i>For Work In Restricted Working Space, Add</i>	1,072.56 48.26	64.38
<b>22 11 16 00-1002</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-1003	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	18.89 2.99	6.57
22 11 16 00-1004	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	25.26 3.77	8.24
22 11 16 00-1005	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	38.18 4.73	10.34
22 11 16 00-1006	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	44.27 5.91	7.82
22 11 16 00-1007	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	46.85 6.53	8.66
22 11 16 00-1008	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	64.66 7.29	9.77
22 11 16 00-1009	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	100.34 8.30	11.03
22 11 16 00-1010	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	107.02 9.80	13.13
22 11 16 00-1011	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	165.64 12.07	16.05
22 11 16 00-1012	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	363.18 15.33	20.39
22 11 16 00-1013	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap..... <i>For Work In Restricted Working Space, Add</i>	467.74 20.11	26.81
<b>22 11 16 00-1014</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges</b> <small>(22 11 16 00-0876)</small>		
22 11 16 00-1015	EA		1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	34.27 3.81	5.03
22 11 16 00-1016	EA		3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	40.97 5.36	7.12
22 11 16 00-1017	EA		1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	49.77 7.21	9.63
22 11 16 00-1018	EA		1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	58.05 9.47	12.57
22 11 16 00-1019	EA		1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	62.01 10.47	13.97
22 11 16 00-1020	EA		2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	74.87 11.65	15.50
22 11 16 00-1021	EA		2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	100.52 13.28	17.74
22 11 16 00-1022	EA		3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	113.58 15.67	20.95
22 11 16 00-1023	EA		4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	142.12 19.31	25.70
22 11 16 00-1024	EA		6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	204.05 24.55	32.67
22 11 16 00-1025	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges..... <i>For Work In Restricted Working Space, Add</i>	382.97 32.18	42.87
<b>22 11 16 00-1026</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Domestic Water Pipe</b> <small>(22 11 16)</small>		
<b>22 11 16 00-1027</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Domestic Hot Water Pipe</b> <small>(22 11 16 00-1026)</small>		
			Note: Aquatherm greenpipe®		
22 11 16 00-1028	LF		1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	6.56	2.36
22 11 16 00-1029	LF		3/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	7.71	2.46
22 11 16 00-1030	LF		1" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	10.48	2.96
22 11 16 00-1031	LF		1-1/4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	13.23	3.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-1032	LF		1-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	18.38	3.56
22 11 16 00-1033	LF		2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	24.44	3.63
22 11 16 00-1034	LF		2-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	34.87	4.94
22 11 16 00-1035	LF		3" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	46.32	5.71
22 11 16 00-1036	LF		3-1/2" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	62.41	6.38
22 11 16 00-1037	LF		4" SDR 7.4, Polypropylene, Heat Fusion, Domestic Hot Water Pipe.....	73.84	7.04

**22 11 16 00-1038 Polypropylene Random (PP-R), Heat Fusion, Domestic Cold Water Pipe (22 11**

16 00-1026)  
 Note: Aquatherm greenpipe®

22 11 16 00-1039	LF		1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	5.98	2.36
22 11 16 00-1040	LF		3/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	6.76	2.46
22 11 16 00-1041	LF		1" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	8.77	2.96
22 11 16 00-1042	LF		1-1/4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	10.73	3.18
22 11 16 00-1043	LF		1-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	14.01	3.56
22 11 16 00-1044	LF		2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	18.23	3.63
22 11 16 00-1045	LF		2-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	25.31	4.94
22 11 16 00-1046	LF		3" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	33.71	5.71
22 11 16 00-1047	LF		3-1/2" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	46.58	6.38
22 11 16 00-1048	LF		4" SDR 11, Polypropylene, Heat Fusion, Domestic Cold Water Pipe.....	55.08	7.04

**22 11 16 00-1049 Polypropylene Random (PP-R), Heat Fusion, UV Protected, Domestic Hot Water Pipe (22 11 16 00-1026)**

16 00-1026)  
 Note: Aquatherm greenpipe®.

22 11 16 00-1050	LF		1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	6.86	2.36
22 11 16 00-1051	LF		3/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	8.12	2.46
22 11 16 00-1052	LF		1" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	10.94	2.96
22 11 16 00-1053	LF		1-1/4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	13.82	3.18
22 11 16 00-1054	LF		1-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	20.08	3.56
22 11 16 00-1055	LF		2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	25.36	3.63
22 11 16 00-1056	LF		2-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	36.18	4.94
22 11 16 00-1057	LF		3" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	49.61	5.71
22 11 16 00-1058	LF		3-1/2" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	62.24	6.38
22 11 16 00-1059	LF		4" SDR 7.4, Polypropylene, Heat Fusion, UV Protected, Domestic Hot Water Pipe.....	73.32	7.04

**22 11 16 00-1060 Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe (22 11**

16 00-1026)  
 Note: Aquatherm climatherm®.

22 11 16 00-1061	LF		1/2" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	5.95	2.37
22 11 16 00-1062	LF		3/4" 7.4 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	6.87	2.46
22 11 16 00-1063	LF		1" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	8.14	2.96
22 11 16 00-1064	LF		1-1/4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	9.82	3.18
22 11 16 00-1065	LF		1-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	12.38	3.56
22 11 16 00-1066	LF		2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	15.77	3.63
22 11 16 00-1067	LF		2-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	21.95	4.94
22 11 16 00-1068	LF		3" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	29.02	5.71
22 11 16 00-1069	LF		3-1/2" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	38.86	6.38
22 11 16 00-1070	LF		4" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	46.86	7.04
22 11 16 00-1071	LF		6" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	56.27	9.02
22 11 16 00-1072	LF		8" 11 SDR, Polypropylene Random (PP-R), Heat Fusion, Heating And Cooling Pipe.....	90.31	11.84

**22 11 16 00-1073 Pipe Clamp For Polypropylene Random (PP-R) Pipe (22 11 16 00-1026)**

22 11 16 00-1074	EA		1/2" Pipe Clamp For Polypropylene Pipe.....	16.61	5.85
22 11 16 00-1075	EA		3/4" Pipe Clamp For Polypropylene Pipe.....	17.36	5.85
22 11 16 00-1076	EA		1" Pipe Clamp For Polypropylene Pipe.....	17.86	5.85
22 11 16 00-1077	EA		1-1/4" Pipe Clamp For Polypropylene Pipe.....	18.03	5.85
22 11 16 00-1078	EA		1-1/2" Pipe Clamp For Polypropylene Pipe.....	18.61	5.85
22 11 16 00-1079	EA		2" Pipe Clamp For Polypropylene Pipe.....	20.27	5.85
22 11 16 00-1080	EA		2-1/2" Pipe Clamp For Polypropylene Pipe.....	22.69	5.85
22 11 16 00-1081	EA		3" Pipe Clamp For Polypropylene Pipe.....	23.52	5.85
22 11 16 00-1082	EA		3-1/2" Pipe Clamp For Polypropylene Pipe.....	24.69	5.85
22 11 16 00-1083	EA		4" Pipe Clamp For Polypropylene Pipe.....	26.27	5.85

**22 11 16 00-1084 Polypropylene Random (PP-R) Pipe, Pipe Fastening Strap (22 11 16 00-1026)**

22 11 16 00-1085	EA		Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 1-3/8" Spike.....	5.55	
22 11 16 00-1086	EA		Up to 1" Polypropylene Pipe, Single Pipe Fastening Strap, 2-1/2" Spike.....	5.76	
22 11 16 00-1087	EA		Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 1-3/8" Spike.....	5.85	
22 11 16 00-1088	EA		Up to 1" Polypropylene Pipe, Double Pipe Fastening Strap, 2-1/2" Spike.....	5.93	

**22 11 16 00-1089 Polypropylene Random (PP-R) Pipe Plastic Pipe Clamp (22 11 16 00-1026)**

22 11 16 00-1090	EA		1/2" Polypropylene Pipe Plastic Pipe Clamp.....	13.04	3.04
22 11 16 00-1091	EA		3/4" Polypropylene Pipe Plastic Pipe Clamp.....	13.55	3.04

**22 11 16 00-1092 Polypropylene Random (PP-R), Heat Fusion, Socket Coupling (22 11 16 00-1026)**

22 11 16 00-1093	EA		1/2" Polypropylene, Heat Fusion, Socket Coupling.....	11.56	4.72
22 11 16 00-1094	EA		3/4" Polypropylene, Heat Fusion, Socket Coupling.....	12.22	4.94
22 11 16 00-1095	EA		1" Polypropylene, Heat Fusion, Socket Coupling.....	14.95	5.92
22 11 16 00-1096	EA		1-1/4" Polypropylene, Heat Fusion, Socket Coupling.....	16.40	6.34

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1097	EA		1-1/2" Polypropylene, Heat Fusion, Socket Coupling .....	22.06	7.12
22 11 16 00-1098	EA		2" Polypropylene, Heat Fusion, Socket Coupling.....	30.16	7.26
22 11 16 00-1099	EA		2-1/2" Polypropylene, Heat Fusion, Socket Coupling .....	37.24	9.86
22 11 16 00-1100	EA		3" Polypropylene, Heat Fusion, Socket Coupling.....	61.31	11.42
22 11 16 00-1101	EA		3-1/2" Polypropylene, Heat Fusion, Socket Coupling .....	88.09	12.75
22 11 16 00-1102	EA		4" Polypropylene, Heat Fusion, Socket Coupling.....	110.31	14.10
<b>22 11 16 00-1103</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Bushing (22 11 16 00-1026)</b>		
22 11 16 00-1104	EA		1" Polypropylene, Heat Fusion, Bushing.....	12.60	4.72
22 11 16 00-1105	EA		1-1/4" Polypropylene, Heat Fusion, Bushing.....	14.70	4.94
22 11 16 00-1106	EA		1-1/2" Polypropylene, Heat Fusion, Bushing.....	19.85	5.92
22 11 16 00-1107	EA		2" Polypropylene, Heat Fusion, Bushing.....	28.70	6.34
22 11 16 00-1108	EA		2-1/2" Polypropylene, Heat Fusion, Bushing.....	32.17	7.12
22 11 16 00-1109	EA		3" Polypropylene, Heat Fusion, Bushing.....	54.45	7.26
22 11 16 00-1110	EA		3-1/2" Polypropylene, Heat Fusion, Bushing.....	83.57	9.86
22 11 16 00-1111	EA		4" x 2-1/2" Polypropylene, Heat Fusion, Bushing .....	100.72	11.42
22 11 16 00-1112	EA		4" x 3" Polypropylene, Heat Fusion, Bushing.....	122.38	12.75
22 11 16 00-1113	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Bushing .....	127.95	14.10
<b>22 11 16 00-1114</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Reducing Coupling (22 11 16 00-1026)</b>		
22 11 16 00-1115	EA		1-1/4" Polypropylene, Heat Fusion, Reducing Coupling .....	17.34	4.94
22 11 16 00-1116	EA		1-1/2" Polypropylene, Heat Fusion, Reducing Coupling .....	23.13	5.92
22 11 16 00-1117	EA		2" Polypropylene, Heat Fusion, Reducing Coupling .....	35.20	6.34
22 11 16 00-1118	EA		2-1/2" Polypropylene, Heat Fusion, Reducing Coupling .....	38.99	7.12
22 11 16 00-1119	EA		3" Polypropylene, Heat Fusion, Reducing Coupling .....	47.87	7.26
22 11 16 00-1120	EA		3-1/2" Polypropylene, Heat Fusion, Reducing Coupling .....	77.60	9.86
22 11 16 00-1121	EA		4" x 3" Polypropylene, Heat Fusion, Reducing Coupling .....	100.99	11.98
22 11 16 00-1122	EA		4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Coupling .....	112.96	14.10
<b>22 11 16 00-1123</b>			<b>Polypropylene Random (PP-R), Heat Fusion, 90 Degree Elbow (22 11 16 00-1026)</b>		
22 11 16 00-1124	EA		1/2" Polypropylene, Heat Fusion, 90 Degree Elbow .....	21.16	9.45
22 11 16 00-1125	EA		3/4" Polypropylene, Heat Fusion, 90 Degree Elbow .....	22.78	9.93
22 11 16 00-1126	EA		1" Polypropylene, Heat Fusion, 90 Degree Elbow .....	27.88	11.84
22 11 16 00-1127	EA		1-1/4" Polypropylene, Heat Fusion, 90 Degree Elbow .....	31.97	12.75
22 11 16 00-1128	EA		1-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow .....	42.23	14.17
22 11 16 00-1129	EA		2" Polypropylene, Heat Fusion, 90 Degree Elbow .....	50.26	14.44
22 11 16 00-1130	EA		2-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow .....	86.98	19.81
22 11 16 00-1131	EA		3" Polypropylene, Heat Fusion, 90 Degree Elbow .....	124.41	22.83
22 11 16 00-1132	EA		3-1/2" Polypropylene, Heat Fusion, 90 Degree Elbow .....	162.85	25.51
22 11 16 00-1133	EA		4" Polypropylene, Heat Fusion, 90 Degree Elbow .....	228.63	28.19
<b>22 11 16 00-1134</b>			<b>Polypropylene Random (PP-R), Heat Fusion, 90 Degree Street Elbow (22 11 16 00-1026)</b>		
22 11 16 00-1135	EA		1/2" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	21.16	9.45
22 11 16 00-1136	EA		3/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	22.78	9.93
22 11 16 00-1137	EA		1" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	27.88	11.84
22 11 16 00-1138	EA		1-1/4" Polypropylene, Heat Fusion, 90 Degree Street Elbow.....	31.97	12.75
<b>22 11 16 00-1139</b>			<b>Polypropylene Random (PP-R), Heat Fusion, 45 Degree Elbow (22 11 16 00-1026)</b>		
22 11 16 00-1140	EA		1/2" Polypropylene, Heat Fusion, 45 Degree Elbow .....	21.16	9.45
22 11 16 00-1141	EA		3/4" Polypropylene, Heat Fusion, 45 Degree Elbow .....	22.78	9.93
22 11 16 00-1142	EA		1" Polypropylene, Heat Fusion, 45 Degree Elbow .....	27.88	11.84
22 11 16 00-1143	EA		1-1/4" Polypropylene, Heat Fusion, 45 Degree Elbow .....	31.97	12.75
22 11 16 00-1144	EA		1-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow .....	42.23	14.17
22 11 16 00-1145	EA		2" Polypropylene, Heat Fusion, 45 Degree Elbow .....	50.00	14.44
22 11 16 00-1146	EA		2-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow .....	86.41	19.81
22 11 16 00-1147	EA		3" Polypropylene, Heat Fusion, 45 Degree Elbow .....	132.07	22.83
22 11 16 00-1148	EA		3-1/2" Polypropylene, Heat Fusion, 45 Degree Elbow .....	174.05	25.51
22 11 16 00-1149	EA		4" Polypropylene, Heat Fusion, 45 Degree Elbow .....	245.81	28.19
<b>22 11 16 00-1150</b>			<b>Polypropylene Random (PP-R), Heat Fusion, 45 Degree Street Elbow (22 11 16 00-1026)</b>		
22 11 16 00-1151	EA		1/2" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	21.13	9.45
22 11 16 00-1152	EA		3/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	22.78	9.93
22 11 16 00-1153	EA		1" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	27.88	11.84
22 11 16 00-1154	EA		1-1/4" Polypropylene, Heat Fusion, 45 Degree Street Elbow.....	31.97	12.75
<b>22 11 16 00-1155</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Tee (22 11 16 00-1026)</b>		
22 11 16 00-1156	EA		1/2" Polypropylene, Heat Fusion, Tee .....	31.38	14.17
22 11 16 00-1157	EA		3/4" Polypropylene, Heat Fusion, Tee .....	33.94	14.87
22 11 16 00-1158	EA		1" Polypropylene, Heat Fusion, Tee .....	40.72	17.69
22 11 16 00-1159	EA		1-1/4" Polypropylene, Heat Fusion, Tee .....	46.34	19.10
22 11 16 00-1160	EA		1-1/2" Polypropylene, Heat Fusion, Tee .....	65.82	21.28
22 11 16 00-1161	EA		2" Polypropylene, Heat Fusion, Tee .....	76.71	21.71
22 11 16 00-1162	EA		2-1/2" Polypropylene, Heat Fusion, Tee .....	115.13	29.67
22 11 16 00-1163	EA		3" Polypropylene, Heat Fusion, Tee .....	160.61	34.25
22 11 16 00-1164	EA		3-1/2" Polypropylene, Heat Fusion, Tee .....	220.06	38.23
22 11 16 00-1165	EA		4" Polypropylene, Heat Fusion, Tee .....	275.29	42.21

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 11 16 00-1166</b>	<b>Polypropylene Random (PP-R), Heat Fusion, Reducing Tee</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1167	EA 1/2" Polypropylene, Heat Fusion, Reducing Tee .....	31.38	14.17
22 11 16 00-1168	EA 3/4" Polypropylene, Heat Fusion, Reducing Tee .....	33.94	14.87
22 11 16 00-1169	EA 1" Polypropylene, Heat Fusion, Reducing Tee .....	40.65	17.69
22 11 16 00-1170	EA 1-1/4" Polypropylene, Heat Fusion, Reducing Tee .....	46.34	19.10
22 11 16 00-1171	EA 1-1/2" Polypropylene, Heat Fusion, Reducing Tee .....	65.82	21.28
22 11 16 00-1172	EA 2" Polypropylene, Heat Fusion, Reducing Tee .....	74.70	21.71
22 11 16 00-1173	EA 2-1/2" Polypropylene, Heat Fusion, Reducing Tee .....	110.35	29.67
22 11 16 00-1174	EA 3" Polypropylene, Heat Fusion, Reducing Tee .....	170.78	34.25
22 11 16 00-1175	EA 3-1/2" Polypropylene, Heat Fusion, Reducing Tee .....	236.29	38.23
22 11 16 00-1176	EA 4" x 2-1/2" Polypropylene, Heat Fusion, Reducing Tee .....	269.52	42.21
22 11 16 00-1177	EA 4" x 3" Polypropylene, Heat Fusion, Reducing Tee .....	275.95	42.21
22 11 16 00-1178	EA 4" x 3-1/2" Polypropylene, Heat Fusion, Reducing Tee .....	276.67	42.21
<b>22 11 16 00-1179</b>	<b>Polypropylene Random (PP-R), Heat Fusion, End Cap</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1180	EA 1/2" Polypropylene, Heat Fusion, End Cap .....	12.76	4.72
22 11 16 00-1181	EA 3/4" Polypropylene, Heat Fusion, End Cap .....	14.06	4.94
22 11 16 00-1182	EA 1" Polypropylene, Heat Fusion, End Cap .....	16.93	5.92
22 11 16 00-1183	EA 1-1/4" Polypropylene, Heat Fusion, End Cap .....	20.69	6.34
22 11 16 00-1184	EA 1-1/2" Polypropylene, Heat Fusion, End Cap .....	25.29	7.12
22 11 16 00-1185	EA 2" Polypropylene, Heat Fusion, End Cap .....	33.01	7.26
22 11 16 00-1186	EA 2-1/2" Polypropylene, Heat Fusion, End Cap .....	46.55	9.86
22 11 16 00-1187	EA 3" Polypropylene, Heat Fusion, End Cap .....	83.41	11.42
22 11 16 00-1188	EA 3-1/2" Polypropylene, Heat Fusion, End Cap .....	98.38	12.75
22 11 16 00-1189	EA 4" Polypropylene, Heat Fusion, End Cap .....	139.17	14.10
<b>22 11 16 00-1190</b>	<b>Polypropylene Random (PP-R), Heat Fusion Outlet</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1191	EA 1-1/4" x 1/2" Polypropylene, Heat Fusion Outlet .....	16.16	
22 11 16 00-1192	EA 1-1/4" x 3/4" Polypropylene, Heat Fusion Outlet .....	16.58	
22 11 16 00-1193	EA 1-1/2" x 1/2" Polypropylene, Heat Fusion Outlet .....	16.94	
22 11 16 00-1194	EA 1-1/2" x 3/4" Polypropylene, Heat Fusion Outlet .....	17.36	
22 11 16 00-1195	EA 2" x 1/2" Polypropylene, Heat Fusion Outlet .....	18.24	
22 11 16 00-1196	EA 2" x 3/4" Polypropylene, Heat Fusion Outlet .....	18.66	
22 11 16 00-1197	EA 2" x 1" Polypropylene, Heat Fusion Outlet .....	20.78	
22 11 16 00-1198	EA 2-1/2" x 1/2" Polypropylene, Heat Fusion Outlet .....	19.54	
22 11 16 00-1199	EA 2-1/2" x 3/4" Polypropylene, Heat Fusion Outlet .....	19.96	
22 11 16 00-1200	EA 2-1/2" x 1" Polypropylene, Heat Fusion Outlet .....	22.08	
22 11 16 00-1201	EA 2-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet .....	23.07	
22 11 16 00-1202	EA 3" x 1/2" Polypropylene, Heat Fusion Outlet .....	20.85	
22 11 16 00-1203	EA 3" x 3/4" Polypropylene, Heat Fusion Outlet .....	21.27	
22 11 16 00-1204	EA 3" x 1" Polypropylene, Heat Fusion Outlet .....	23.39	
22 11 16 00-1205	EA 3" x 1-1/4" Polypropylene, Heat Fusion Outlet .....	24.38	
22 11 16 00-1206	EA 3-1/2" x 1/2" Polypropylene, Heat Fusion Outlet .....	20.85	
22 11 16 00-1207	EA 3-1/2" x 3/4" Polypropylene, Heat Fusion Outlet .....	22.57	
22 11 16 00-1208	EA 3-1/2" x 1" Polypropylene, Heat Fusion Outlet .....	24.69	
22 11 16 00-1209	EA 3-1/2" x 1-1/4" Polypropylene, Heat Fusion Outlet .....	25.68	
22 11 16 00-1210	EA 3-1/2" x 1-1/2" Polypropylene, Heat Fusion Outlet .....	30.49	
22 11 16 00-1211	EA 4" x 1/2" Polypropylene, Heat Fusion Outlet .....	23.45	
22 11 16 00-1212	EA 4" x 3/4" Polypropylene, Heat Fusion Outlet .....	23.87	
22 11 16 00-1213	EA 4" x 1" Polypropylene, Heat Fusion Outlet .....	25.99	
22 11 16 00-1214	EA 4" x 1-1/4" Polypropylene, Heat Fusion Outlet .....	26.98	
22 11 16 00-1215	EA 4" x 1-1/2" Polypropylene, Heat Fusion Outlet .....	30.49	
22 11 16 00-1216	EA 4" x 2" Polypropylene, Heat Fusion Outlet .....	36.28	
<b>22 11 16 00-1217</b>	<b>Polypropylene Random (PP-R), Flange Adaptor With Gaskets Included</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1218	EA 1" Polypropylene, Flange Adaptor With Gaskets Included .....	19.15	5.92
22 11 16 00-1219	EA 1-1/4" Polypropylene, Flange Adaptor With Gaskets Included .....	21.30	6.34
22 11 16 00-1220	EA 1-1/2" Polypropylene, Flange Adaptor With Gaskets Included .....	27.73	7.12
22 11 16 00-1221	EA 2" Polypropylene, Flange Adaptor With Gaskets Included .....	29.74	7.26
22 11 16 00-1222	EA 2-1/2" Polypropylene, Flange Adaptor With Gaskets Included .....	41.04	9.86
22 11 16 00-1223	EA 3" Polypropylene, Flange Adaptor With Gaskets Included .....	66.14	11.42
22 11 16 00-1224	EA 3-1/2" Polypropylene, Flange Adaptor With Gaskets Included .....	90.02	12.75
22 11 16 00-1225	EA 4" Polypropylene, Flange Adaptor With Gaskets Included .....	192.50	14.10
<b>22 11 16 00-1226</b>	<b>Polypropylene Random (PP-R), Flange Ring With ANSI Bolt Pattern</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1227	EA 1" Polypropylene, Flange Ring With ANSI Bolt Pattern .....	34.26	
22 11 16 00-1228	EA 1-1/4" Polypropylene, Flange Ring With ANSI Bolt Pattern .....	45.33	
22 11 16 00-1229	EA 1-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern .....	56.63	
22 11 16 00-1230	EA 2" Polypropylene, Flange Ring With ANSI Bolt Pattern .....	67.34	
22 11 16 00-1231	EA 2-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern .....	94.25	
22 11 16 00-1232	EA 3" Polypropylene, Flange Ring With ANSI Bolt Pattern .....	109.47	
22 11 16 00-1233	EA 3-1/2" Polypropylene, Flange Ring With ANSI Bolt Pattern .....	135.66	
22 11 16 00-1234	EA 4" Polypropylene, Flange Ring With ANSI Bolt Pattern .....	164.34	
<b>22 11 16 00-1235</b>	<b>Polypropylene Random (PP-R), Electrofusion Coupling</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1236	EA 1/2" Polypropylene, Electrofusion Coupling .....	73.36	9.45



**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1237	EA		3/4" Polypropylene, Electrofusion Coupling .....	76.47	9.93
22 11 16 00-1238	EA		1" Polypropylene, Electrofusion Coupling .....	87.07	11.84
22 11 16 00-1239	EA		1-1/4" Polypropylene, Electrofusion Coupling .....	89.92	12.75
22 11 16 00-1240	EA		1-1/2" Polypropylene, Electrofusion Coupling .....	97.81	14.17
22 11 16 00-1241	EA		2" Polypropylene, Electrofusion Coupling .....	129.62	14.44
22 11 16 00-1242	EA		2-1/2" Polypropylene, Electrofusion Coupling .....	158.99	19.81
22 11 16 00-1243	EA		3" Polypropylene, Electrofusion Coupling .....	198.01	22.83
22 11 16 00-1244	EA		3-1/2" Polypropylene, Electrofusion Coupling .....	267.37	25.51
22 11 16 00-1245	EA		4" Polypropylene, Electrofusion Coupling .....	328.67	28.19
<b>22 11 16 00-1246</b>			<b>Polypropylene Random (PP-R), Heat Fusion, FIP Rear-Mount Back Plate Elbow</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1247	EA		1/2" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow .....	38.05	12.97
22 11 16 00-1248	EA		3/4" Polypropylene, Heat Fusion, FIP Rear-Mount Back Plate Elbow .....	45.04	13.46
<b>22 11 16 00-1249</b>			<b>Polypropylene Random (PP-R), Heat Fusion, FIP Side-Mount Back Plate Elbow</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1250	EA		1/2" Polypropylene, Heat Fusion, FIP Side-Mount Back Plate Elbow .....	40.96	12.97
<b>22 11 16 00-1251</b>			<b>Polypropylene Random (PP-R), Heat Fusion, ISO Plug For Pressure Test</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1252	EA		1/2" Polypropylene, Heat Fusion, ISO Plug For Pressure Test .....	11.10	4.72
22 11 16 00-1253	EA		3/4" Polypropylene, Heat Fusion, ISO Plug For Pressure Test .....	11.99	4.94
<b>22 11 16 00-1254</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Round FIP NPT Transition Piece</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1255	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece .....	29.26	9.45
22 11 16 00-1256	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece .....	32.55	9.45
22 11 16 00-1257	EA		3/4" x 1/2" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece .....	30.24	9.93
22 11 16 00-1258	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece .....	33.53	9.93
22 11 16 00-1259	EA		1" x 3/4" Polypropylene, Heat Fusion, Round FIP NPT Transition Piece .....	38.70	11.84
<b>22 11 16 00-1260</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Hex FIP NPT Transition Piece</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1261	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	35.16	9.45
22 11 16 00-1262	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	37.94	9.45
22 11 16 00-1263	EA		3/4" x 1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	36.14	9.93
22 11 16 00-1264	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	38.92	9.93
22 11 16 00-1265	EA		1" x 3/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	45.63	11.84
22 11 16 00-1266	EA		1" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	68.25	11.84
22 11 16 00-1267	EA		1-1/4" x 1" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	72.31	12.75
22 11 16 00-1268	EA		1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	95.93	12.75
22 11 16 00-1269	EA		1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	101.09	14.17
22 11 16 00-1270	EA		1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	110.00	14.17
22 11 16 00-1271	EA		2" x 1-1/2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	118.37	14.44
22 11 16 00-1272	EA		2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	155.36	14.44
22 11 16 00-1273	EA		2-1/2" x 2" Polypropylene, Heat Fusion, Hex FIP NPT Transition Piece .....	171.64	19.81
<b>22 11 16 00-1274</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Round MIP NPT Transition Piece</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1275	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece .....	43.30	9.45
22 11 16 00-1276	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece .....	46.79	9.45
22 11 16 00-1277	EA		3/4" x 1/2" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece .....	44.28	9.93
22 11 16 00-1278	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece .....	47.77	9.93
22 11 16 00-1279	EA		1" x 3/4" Polypropylene, Heat Fusion, Round MIP NPT Transition Piece .....	56.64	11.84
<b>22 11 16 00-1280</b>			<b>Polypropylene Random (PP-R), Heat Fusion, Hex MIP NPT Transition Piece</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1281	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	36.79	9.45
22 11 16 00-1282	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	39.35	9.45
22 11 16 00-1283	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	40.33	9.93
22 11 16 00-1284	EA		1" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	57.98	11.84
22 11 16 00-1285	EA		1" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	81.42	11.84
22 11 16 00-1286	EA		1-1/4" x 1" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	61.07	12.75
22 11 16 00-1287	EA		1-1/4" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	86.94	12.75
22 11 16 00-1288	EA		1-1/2" x 1-1/4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	91.79	14.17
22 11 16 00-1289	EA		1-1/2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	106.52	14.17
22 11 16 00-1290	EA		2" x 1-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	121.52	14.44
22 11 16 00-1291	EA		2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	137.22	14.44
22 11 16 00-1292	EA		2-1/2" x 2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	150.54	19.81
22 11 16 00-1293	EA		2-1/2" x 2-1/2" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	205.67	19.81
22 11 16 00-1294	EA		3" x 3" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	304.65	22.83
22 11 16 00-1295	EA		3-1/2" x 4" Polypropylene, Heat Fusion, Hex MIP NPT Transition Piece .....	581.96	25.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 16 00-1296			<b>Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Elbow</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1297	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow .....	37.01	9.45
22 11 16 00-1298	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow .....	31.00	9.45
22 11 16 00-1299	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow .....	37.99	9.93
22 11 16 00-1300	EA		3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Elbow .....	31.98	9.93
22 11 16 00-1301	EA		1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Elbow .....	43.74	11.84
22 11 16 00-1302	EA		1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Elbow .....	67.08	11.84
22 11 16 00-1303			<b>Polypropylene Random (PP-R), Heat Fusion, Transition Male/Female x FIP NPT Street Elbow</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1304	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Transition Male/Female x FIP NPT Street Elbow .....	31.00	9.45
22 11 16 00-1305			<b>Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Elbow</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1306	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Elbow .....	34.00	9.45
22 11 16 00-1307	EA		1/2" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow .....	35.94	9.45
22 11 16 00-1308	EA		3/4" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow .....	36.92	9.93
22 11 16 00-1309	EA		1" x 3/4" Polypropylene, Heat Fusion, Transition MIP NPT Elbow .....	45.96	11.84
22 11 16 00-1310	EA		1" x 1" Polypropylene, Heat Fusion, Transition MIP NPT Elbow .....	63.31	11.84
22 11 16 00-1311			<b>Polypropylene Random (PP-R), Heat Fusion, Transition FIP NPT Tee</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1312	EA		1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee .....	42.67	14.17
22 11 16 00-1313	EA		1/2" x 1/2" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee .....	47.42	14.17
22 11 16 00-1314	EA		3/4" x 3/4" x 1/2" Polypropylene, Heat Fusion, Transition FIP NPT Tee .....	44.08	14.87
22 11 16 00-1315	EA		3/4" x 3/4" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee .....	48.83	14.87
22 11 16 00-1316	EA		1" x 1" x 3/4" Polypropylene, Heat Fusion, Transition FIP NPT Tee .....	57.66	17.69
22 11 16 00-1317	EA		1" x 1" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee .....	78.98	17.69
22 11 16 00-1318	EA		1-1/2" x 1-1/2" x 1" Polypropylene, Heat Fusion, Transition FIP NPT Tee .....	91.65	21.28
22 11 16 00-1319			<b>Polypropylene Random (PP-R), Heat Fusion, Transition MIP NPT Tee</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1320	EA		1/2" x 1/2" x 1/2" Polypropylene, Heat Fusion, Transition MIP NPT Tee .....	45.87	14.17
22 11 16 00-1321			<b>Polypropylene Random (PP-R), Heat Fusion, Transition PP-R x Brass Compression Fitting</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1322	EA		1/2" x 1/2" Polypropylene, Heat Fusion, Transition PP-R x Brass Compression Fitting .....	32.42	4.72
22 11 16 00-1323			<b>Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x FIP NPT</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1324	EA		1/2" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT .....	28.26	
22 11 16 00-1325	EA		3/4" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT .....	36.25	
22 11 16 00-1326	EA		1" Polypropylene, Heat Fusion, Fusion Outlet x FIP NPT .....	49.94	
22 11 16 00-1327			<b>Polypropylene Random (PP-R), Heat Fusion, Fusion Outlet x MIP NPT</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1328	EA		1/2" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT .....	32.91	
22 11 16 00-1329	EA		3/4" Polypropylene, Heat Fusion, Fusion Outlet x MIP NPT .....	44.86	
22 11 16 00-1330			<b>Polypropylene Random (PP-R), Heat Fusion, PEX Adaptor</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1331	EA		1/2" Polypropylene, Heat Fusion, PEX Adaptor .....	22.91	4.72
22 11 16 00-1332	EA		3/4" Polypropylene, Heat Fusion, PEX Adaptor .....	34.41	4.94
22 11 16 00-1333	EA		1" Polypropylene, Heat Fusion, PEX Adaptor .....	45.10	5.92
22 11 16 00-1334			<b>Polypropylene Random (PP-R), Heat Fusion, FIP Stop Valve Body</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1335	EA		1/2" Polypropylene, Heat Fusion, FIP Stop Valve Body .....	31.11	10.36
22 11 16 00-1336	EA		3/4" Polypropylene, Heat Fusion, FIP Stop Valve Body .....	32.23	10.92
22 11 16 00-1337	EA		1" Polypropylene, Heat Fusion, FIP Stop Valve Body .....	45.79	12.97
22 11 16 00-1338	EA		1-1/4" Polypropylene, Heat Fusion, FIP Stop Valve Body .....	70.53	14.03
22 11 16 00-1339			<b>Polypropylene Random (PP-R), Heat Fusion, Inclined Check Valve</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1340	EA		1/2" Polypropylene, Heat Fusion, Inclined Check Valve .....	91.09	10.36
22 11 16 00-1341	EA		3/4" Polypropylene, Heat Fusion, Inclined Check Valve .....	92.21	10.92
22 11 16 00-1342	EA		1" Polypropylene, Heat Fusion, Inclined Check Valve .....	110.21	12.97
22 11 16 00-1343	EA		1-1/4" Polypropylene, Heat Fusion, Inclined Check Valve .....	181.12	14.03
22 11 16 00-1344			<b>Polypropylene Random (PP-R), Heat Fusion, Ball Valve</b> <small>(22 11 16 00-1026)</small>		
22 11 16 00-1345	EA		1/2" Polypropylene, Heat Fusion, Ball Valve .....	84.20	10.36
22 11 16 00-1346	EA		3/4" Polypropylene, Heat Fusion, Ball Valve .....	93.31	10.92
22 11 16 00-1347	EA		1" Polypropylene, Heat Fusion, Ball Valve .....	113.20	12.97
22 11 16 00-1348	EA		1-1/4" Polypropylene, Heat Fusion, Ball Valve .....	160.00	14.03
22 11 16 00-1349	EA		1-1/2" Polypropylene, Heat Fusion, Ball Valve .....	232.84	15.57
22 11 16 00-1350	EA		2" Polypropylene, Heat Fusion, Ball Valve .....	354.45	15.93

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 16 00-1351		<b>Extension For Ball Valve</b> (22 11 16 00-1026)		
22 11 16 00-1352	EA	Extension For 1/2" to 3/4" Ball Valve, 1-3/8" Length	43.28	
22 11 16 00-1353	EA	Extension For 1" to 1-1/4" Ball Valve, 1-3/8" Length	43.35	
22 11 16 00-1354	EA	Extension For 1-1/2" to 2" Ball Valve, 1-3/4" Length	47.44	
22 11 16 00-1355		<b>Polypropylene Random (PP-R), Heat Fusion, Draining Branch</b> (22 11 16 00-1026)		
22 11 16 00-1356	EA	1/2" Polypropylene, Heat Fusion, Draining Branch	40.62	9.45
22 11 16 00-1357	EA	3/4" Polypropylene, Heat Fusion, Draining Branch	41.60	9.93
22 11 16 00-1358	EA	1" Polypropylene, Heat Fusion, Draining Branch	47.71	11.84
22 11 16 00-1359	EA	1-1/4" Polypropylene, Heat Fusion, Draining Branch	49.54	12.75
22 11 16 00-1360	EA	1-1/2" Polypropylene, Heat Fusion, Draining Branch	54.37	14.17
22 11 16 00-1361	EA	2" Polypropylene, Heat Fusion, Draining Branch	58.42	14.44
22 11 16 00-1362		<b>Cross-Linked Polyethylene Tubing, ASTM F877</b> (22 11 16)		
		Note: Aboveground, domestic water usage.		
22 11 16 00-1363		<b>Cross-Linked Polyethylene Tubing</b> (22 11 16 00-1362)		
22 11 16 00-1364	LF	3/8" Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	6.65	
		<i>For Work In Restricted Working Space, Add</i>	1.31	
22 11 16 00-1365	LF	1/2" Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	7.28	
		<i>For Work In Restricted Working Space, Add</i>	1.43	
22 11 16 00-1366	LF	3/4" Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	9.74	
		<i>For Work In Restricted Working Space, Add</i>	1.54	
22 11 16 00-1367	LF	1" Cross-Linked Polyethylene (PEX, XPE or XLPE) Tubing	13.34	
		<i>For Work In Restricted Working Space, Add</i>	1.62	
22 11 16 00-1368		<b>Cross-Linked Polyethylene Forged Brass PEX Fittings</b> (22 11 16 00-1362)		
		Note: Aboveground, domestic water usage.		
22 11 16 00-1369		<b>Male Adapters</b> (22 11 16 00-1368)		
22 11 16 00-1370	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	28.15	
		<i>For Work In Restricted Working Space, Add</i>	6.83	
22 11 16 00-1371	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	30.30	
		<i>For Work In Restricted Working Space, Add</i>	7.28	
22 11 16 00-1372	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	33.08	
		<i>For Work In Restricted Working Space, Add</i>	7.73	
22 11 16 00-1373	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	34.59	
		<i>For Work In Restricted Working Space, Add</i>	8.19	
22 11 16 00-1374	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	33.08	
		<i>For Work In Restricted Working Space, Add</i>	7.73	
22 11 16 00-1375	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	43.19	
		<i>For Work In Restricted Working Space, Add</i>	9.10	
22 11 16 00-1376		<b>Female Adapters</b> (22 11 16 00-1368)		
22 11 16 00-1377	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	30.93	
		<i>For Work In Restricted Working Space, Add</i>	7.28	
22 11 16 00-1378	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	34.81	
		<i>For Work In Restricted Working Space, Add</i>	7.73	
22 11 16 00-1379	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	36.32	
		<i>For Work In Restricted Working Space, Add</i>	8.19	
22 11 16 00-1380	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	34.81	
		<i>For Work In Restricted Working Space, Add</i>	7.73	
22 11 16 00-1381	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	43.98	
		<i>For Work In Restricted Working Space, Add</i>	9.10	
22 11 16 00-1382		<b>Tube Adapters</b> (22 11 16 00-1368)		
22 11 16 00-1383	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing	25.59	
		<i>For Work In Restricted Working Space, Add</i>	6.83	
22 11 16 00-1384	EA	1/2" Forged Brass Tube Adapter For PEX Tubing	27.10	
		<i>For Work In Restricted Working Space, Add</i>	7.28	
22 11 16 00-1385	EA	3/4" Forged Brass Tube Adapter For PEX Tubing	32.54	
		<i>For Work In Restricted Working Space, Add</i>	8.19	
22 11 16 00-1386	EA	1" Forged Brass Tube Adapter For PEX Tubing	41.57	
		<i>For Work In Restricted Working Space, Add</i>	9.10	
22 11 16 00-1387		<b>Plugs</b> (22 11 16 00-1368)		
22 11 16 00-1388	EA	3/8" Forged Brass Plug For PEX Tubing	12.82	
		<i>For Work In Restricted Working Space, Add</i>	3.18	
22 11 16 00-1389	EA	1/2" Forged Brass Plug For PEX Tubing	14.35	
		<i>For Work In Restricted Working Space, Add</i>	3.64	
22 11 16 00-1390	EA	3/4" Forged Brass Plug For PEX Tubing	16.49	
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 11 16 00-1391	EA	1" Forged Brass Plug For PEX Tubing	20.41	
		<i>For Work In Restricted Working Space, Add</i>	4.55	
22 11 16 00-1392		<b>Tees</b> (22 11 16 00-1368)		
22 11 16 00-1393	EA	3/8" Forged Brass Tee For PEX Tubing	36.46	
		<i>For Work In Restricted Working Space, Add</i>	9.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				
22 11 16 00-1394	EA		1/2" Forged Brass Tee For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	41.02 10.92					
22 11 16 00-1395	EA		3/4" Forged Brass Tee For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	48.71 12.28					
22 11 16 00-1396	EA		1" Forged Brass Tee For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	62.14 13.65					
22 11 16 00-1397	EA		1/2" Forged Brass Reducing Tee For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	39.49 10.46					
22 11 16 00-1398	EA		3/4" Forged Brass Reducing Tee For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	45.68 11.37					
22 11 16 00-1399	EA		1" Forged Brass Reducing Tee For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	56.33 12.28					
<b>22 11 16 00-1400</b>			<b>Couplings</b> <small>(22 11 16 00-1368)</small>						
22 11 16 00-1401	EA		3/8" Forged Brass Coupling For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	23.60 6.37					
22 11 16 00-1402	EA		1/2" Forged Brass Coupling For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	26.78 7.28					
22 11 16 00-1403	EA		3/4" Forged Brass Coupling For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	30.60 8.19					
22 11 16 00-1404	EA		1" Forged Brass Coupling For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	37.31 9.10					
22 11 16 00-1405	EA		3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	29.09 7.73					
22 11 16 00-1406	EA		1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	35.79 8.64					
<b>22 11 16 00-1407</b>			<b>Fitting Reducers</b> <small>(22 11 16 00-1368)</small>						
22 11 16 00-1408	EA		3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	26.06 6.83					
22 11 16 00-1409	EA		1/2" Forged Brass Fitting Reducer For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	27.57 7.28					
22 11 16 00-1410	EA		3/4" Forged Brass Fitting Reducer For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	33.48 8.19					
22 11 16 00-1411	EA		1" Forged Brass Fitting Reducer For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	46.98 9.10					
<b>22 11 16 00-1412</b>			<b>90 Degree Elbows</b> <small>(22 11 16 00-1368)</small>						
22 11 16 00-1413	EA		3/8" Forged Brass 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	25.02 6.37					
22 11 16 00-1414	EA		1/2" Forged Brass 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	28.05 7.28					
22 11 16 00-1415	EA		3/4" Forged Brass 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	33.48 8.19					
22 11 16 00-1416	EA		3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	31.97 7.73					
22 11 16 00-1417	EA		1/2" Drop 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	37.91 7.28					
22 11 16 00-1418	EA		3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	42.36 8.19					
22 11 16 00-1419	EA		3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing ..... <i>For Work In Restricted Working Space, Add</i>	40.85 7.73					
<b>22 11 19</b>			<b>Domestic Water Piping Specialties</b> <small>(22 11)</small>						
<b>22 11 19 00-0001</b>			<b>Rubber Hose And Clamps</b> <small>(22 11 19)</small>						
<b>22 11 19 00-0002</b>			<b>General Purpose Hose</b> <small>(22 11 19 00-0001)</small>						
			Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.						
22 11 19 00-0003	LF		3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	10.20	3.02				
22 11 19 00-0004	LF		1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	12.04	3.02				
22 11 19 00-0005	LF		5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	14.80	3.02				
22 11 19 00-0006	LF		3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	14.94	3.02				
22 11 19 00-0007	LF		1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	20.51	4.52				
22 11 19 00-0008	LF		1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	34.24	4.52				
22 11 19 00-0009	LF		1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	37.21	6.03				
22 11 19 00-0010	LF		2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp.....	71.85	6.03				
<b>22 11 19 00-0011</b>			<b>Reinforced EPDM Water Hose Assembly</b> <small>(22 11 19 00-0001)</small>						
			Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.						
22 11 19 00-0012	LF		1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	95.66	6.03				
22 11 19 00-0013	LF		2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	112.93	6.03				
22 11 19 00-0014	LF		3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	158.80	7.42				
22 11 19 00-0015	LF		4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement.....	223.24	10.03				
<b>22 11 19 00-0016</b>			<b>Chemical Resistant Rubber Hoses</b> <small>(22 11 19 00-0001)</small>						
22 11 19 00-0017	EA		50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose.....	1,355.98	310.56				

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0018	EA		50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose.....	1,837.44	310.56
<b>22 11 19 00-0019</b>			<b>Water Pump Hose</b> (22 11 19 00-0001)		
22 11 19 00-0020	EA		2" Inside Diameter, 20' Rubber Discharge Hose.....	806.92	92.12
22 11 19 00-0021	EA		2" Inside Diameter, 20' Rubber Intake Hose.....	855.09	92.12
<b>22 11 19 00-0022</b>			<b>Barbed Hose x Threaded Male Pipe, Steel Coupling</b> (22 11 19 00-0001)		
22 11 19 00-0023	EA		3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	36.34	12.66
22 11 19 00-0024	EA		1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling.....	38.63	13.57
22 11 19 00-0025	EA		5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	41.33	14.47
22 11 19 00-0026	EA		3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling.....	47.09	16.28
22 11 19 00-0027	EA		1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling.....	56.33	19.90
22 11 19 00-0028	EA		1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling.....	66.91	23.82
22 11 19 00-0029	EA		1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling.....	86.54	31.36
22 11 19 00-0030	EA		2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling.....	108.80	39.20
<b>22 11 19 00-0031</b>			<b>Worm-Drive Hose Clamp</b> (22 11 19 00-0001)		
22 11 19 00-0032	EA		3/8" To 1" Diameter Worm Drive Hose Clamp.....	16.64	4.52
22 11 19 00-0033	EA		1/2" To 1-1/6" Diameter Worm Drive Hose Clamp.....	17.57	4.52
22 11 19 00-0034	EA		5/8" To 1-1/2" Diameter Worm Drive Hose Clamp.....	18.54	4.52
22 11 19 00-0035	EA		3/4" To 2" Diameter Worm Drive Hose Clamp.....	19.72	4.52
22 11 19 00-0036	EA		1" To 2-1/2" Diameter Worm Drive Hose Clamp.....	21.05	4.52
22 11 19 00-0037	EA		1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp.....	22.87	6.03
22 11 19 00-0038	EA		1-1/2" To 3" Diameter Worm Drive Hose Clamp.....	24.64	6.03
<b>22 11 19 00-0039</b>			<b>Trap Primer And Accessories</b> (22 11 19)		
<b>22 11 19 00-0040</b>			<b>Trap Primer</b> (22 11 19 00-0039)		
22 11 19 00-0041	EA		1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699).....	342.63	22.75
22 11 19 00-0042	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500).....	210.67	15.16
22 11 19 00-0043	EA		1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500).....	204.24	15.16
<b>22 11 19 00-0044</b>			<b>Trap Primer Distribution Unit</b> (22 11 19 00-0039)		
22 11 19 00-0045	EA		Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U)..... Note: Can be used for two, three or four drains.	184.63	30.33
22 11 19 00-0046	EA		Copper Four Opening Trap Primer Distribution Unit (PPP DU-4)..... Note: Can be used for two, three or four drains.	201.94	30.33
<b>22 11 19 00-0047</b>			<b>Trap Primer Manifold</b> (22 11 19 00-0039)		
22 11 19 00-0048	EA		Two Outlet Trap Primer Manifold.....	276.12	40.79
22 11 19 00-0049	EA		Four Outlet Trap Primer Manifold.....	414.43	46.40
22 11 19 00-0050	EA		Six Outlet Trap Primer Manifold.....	548.95	49.12
22 11 19 00-0051	EA		Eight Outlet Trap Primer Manifold.....	689.64	57.62
<b>22 11 19 00-0052</b>			<b>Brass, Anti Siphon Vacuum Breakers</b> (22 11 19)		
			Note: Watts 288A		
22 11 19 00-0053	EA		1/2" Brass, Anti Siphon Vacuum Breaker.....	130.60	37.91
22 11 19 00-0054	EA		3/4" Brass, Anti Siphon Vacuum Breaker.....	149.65	42.45
22 11 19 00-0055	EA		1" Brass, Anti Siphon Vacuum Breaker.....	295.54	48.52
22 11 19 00-0056	EA		1-1/4" Brass, Anti Siphon Vacuum Breaker.....	464.06	56.11
22 11 19 00-0057	EA		1-1/2" Brass, Anti Siphon Vacuum Breaker.....	553.87	62.17
22 11 19 00-0058	EA		2" Brass, Anti Siphon Vacuum Breaker.....	805.89	75.81
22 11 19 00-0059	EA		2-1/2" Brass, Anti Siphon Vacuum Breaker.....	2,083.70	94.77
<b>22 11 19 00-0060</b>			<b>Anti Siphon Pressure Vacuum Breakers</b> (22 11 19)		
			Note: Watts 800M4QT		
22 11 19 00-0061	EA		1/2" Anti Siphon Pressure Type Vacuum Breaker.....	362.68	37.91
22 11 19 00-0062	EA		3/4" Anti Siphon Pressure Type Vacuum Breaker.....	319.62	42.45
22 11 19 00-0063	EA		1" Anti Siphon Pressure Type Vacuum Breaker.....	453.39	48.52
22 11 19 00-0064	EA		1-1/4" Anti Siphon Pressure Type Vacuum Breaker.....	811.35	56.11
22 11 19 00-0065	EA		1-1/2" Anti Siphon Pressure Type Vacuum Breaker.....	987.26	62.17
22 11 19 00-0066	EA		2" Anti Siphon Pressure Type Vacuum Breaker.....	1,000.03	75.81
<b>22 11 19 00-0067</b>			<b>Bellows Type Water Hammer Arrestors</b> (22 11 19)		
22 11 19 00-0068	EA		Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005).....	225.10	18.13
22 11 19 00-0069	EA		>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010).....	428.81	21.94
22 11 19 00-0070	EA		>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020).....	618.69	21.94
22 11 19 00-0071	EA		>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030).....	1,485.50	21.94
22 11 19 00-0072	EA		>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040).....	1,666.34	21.94
22 11 19 00-0073	EA		>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050).....	2,038.16	21.94



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0074				<b>Piston Type Water Hammer Arrestors</b> (22 11 19)		
22 11 19 00-0075				<b>Threaded Piston Type Water Hammer Arrestors</b> (22 11 19 00-0074)		
22 11 19 00-0076	EA			Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A).....	197.65	10.11
22 11 19 00-0077	EA			>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B).....	378.20	11.66
22 11 19 00-0078	EA			>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C).....	561.18	12.64
22 11 19 00-0079	EA			>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D).....	1,377.79	16.30
22 11 19 00-0080	EA			>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E).....	1,678.15	20.22
22 11 19 00-0081	EA			>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F).....	1,909.40	21.94
22 11 19 00-0082				<b>Wall Hydrants</b> (22 11 19) Note: Female inlet connection, 3/4" hose thread outlet.		
22 11 19 00-0083				<b>Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants</b> (22 11 19 00-0082)		
22 11 19 00-0084	EA			6" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	1,201.09 62.29 146.82	37.91
22 11 19 00-0085	EA			12" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	1,263.08 62.29 146.82	45.49
22 11 19 00-0086	EA			18" Thick Wall, Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	1,294.13 62.29 146.82	54.74
22 11 19 00-0087				<b>Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants</b> (22 11 19 00-0082)		
22 11 19 00-0088	EA			Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant..... For Cast Bronze Box, Add For 1" NPT Outlet, Add	1,189.45 62.29 146.82	63.69
22 11 19 00-0089				<b>Cast Bronze Non-Freezing Wall Hydrant</b> (22 11 19 00-0082)		
22 11 19 00-0090	EA			3" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	633.80 146.82	47.01
22 11 19 00-0091	EA			4" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	791.52 146.82	47.01
22 11 19 00-0092	EA			6" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	791.52 146.82	47.01
22 11 19 00-0093	EA			8" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	791.52 146.82	47.01
22 11 19 00-0094	EA			10" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	828.23 146.82	94.77
22 11 19 00-0095	EA			12" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	828.23 146.82	94.77
22 11 19 00-0096	EA			18" Thick Wall, Cast Bronze, Non-Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant..... For 1" NPT Outlet, Add	938.03 146.82	94.77
22 11 19 00-0097				<b>Washer Boxes And Dryer Outlets</b> (22 11 19)		
22 11 19 00-0098				<b>Dryer Vent Kit</b> (22 11 19 00-0097) Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0099	EA			Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps.....	99.74	19.71
22 11 19 00-0100				<b>Washer Boxes And Dryer Vents</b> (22 11 19 00-0097)		
22 11 19 00-0101	EA			Note: Includes 1/2" supply valves and mounting brackets. 2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves.....	358.38	30.33
22 11 19 00-0102				<b>Ice Maker Outlet Box</b> (22 11 19) Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0103	EA			Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	189.57	30.33
22 11 19 00-0104	EA			Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount.....	192.58	30.33
22 11 19 00-0105	EA			Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount.....	271.08	30.33
22 11 19 00-0106				<b>Tempering Controllers For Potable Hot Water</b> (22 11 19)		
22 11 19 00-0107				<b>Point-Of-Use Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0106) Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0108	EA			1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007).....	601.48	36.57

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0109	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004).....	159.80	36.57
22 11 19 00-0110	EA		1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008).....	344.63	36.57
22 11 19 00-0111	EA		3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016).....	396.62	49.27
<b>22 11 19 00-0112</b>			<b>Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0106)		
			Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0113	EA		3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025) .....	1,627.09	52.75
22 11 19 00-0114	EA		3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045) .....	1,827.09	64.96
22 11 19 00-0115	EA		1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080) .....	2,196.19	75.57
22 11 19 00-0116	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130) .....	2,844.39	79.42
22 11 19 00-0117	EA		2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200) .....	3,818.25	103.04
<b>22 11 19 00-0118</b>			<b>High Low Temperature Thermostatic Mixing Valves (Bradley)</b> (22 11 19 00-0106)		
			Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0119	EA		3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045) .....	4,140.73	81.24
22 11 19 00-0120	EA		1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080) .....	5,387.82	94.46
22 11 19 00-0121	EA		1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130) .....	6,282.08	99.28
22 11 19 00-0122	EA		2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200) .....	6,962.16	128.80
<b>22 11 19 00-0123</b>			<b>Thermostatic Mixing Valves (Leonard)</b> (22 11 19 00-0106)		
			Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0124	EA		3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF).....	1,183.58	52.75
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0125	EA		1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF).....	1,393.90	64.96
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0126	EA		1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF).....	1,712.51	75.57
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0127	EA		1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF).....	2,091.96	79.45
			Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0128	EA		2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF).....	3,105.78	103.04
			Note: For hot water or two pipe low pressure steam.		
<b>22 11 19 00-0129</b>			<b>Water Mixing/Self Operating Temperature Regulator</b> (22 11 19 00-0106)		
			Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0130	EA		3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,326.09	75.81
22 11 19 00-0131	EA		1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,534.30	95.53
22 11 19 00-0132	EA		1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	3,900.16	115.24
22 11 19 00-0133	EA		1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	4,299.47	134.96
22 11 19 00-0134	EA		2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	5,099.35	177.41
22 11 19 00-0135	EA		2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator) .....	6,000.16	202.35
<b>22 11 19 00-0136</b>			<b>Thermostatic Mixing Valves (Holby)</b> (22 11 19 00-0106)		
22 11 19 00-0137	EA		2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500).....	5,518.43	103.07
<b>22 11 19 00-0138</b>			<b>Backflow Preventer Valves</b> (22 11 19)		
<b>22 11 19 00-0139</b>			<b>Double Check Valve Backflow Preventer Assemblies</b> (22 11 19 00-0138)		
<b>22 11 19 00-0140</b>			<b>Threaded Double Check Valve Assemblies</b> (22 11 19 00-0139)		
<b>22 11 19 00-0141</b>			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0140)		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0142	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series) .....	497.83	40.64
			For Work In Restricted Working Space, Add	30.48	
			For Owner Furnished Material, Deduct	-396.23	
22 11 19 00-0143	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	591.35	57.62
			For Work In Restricted Working Space, Add	43.22	
			For Owner Furnished Material, Deduct	-447.30	
22 11 19 00-0144	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	683.40	70.36
			For Work In Restricted Working Space, Add	52.77	
			For Owner Furnished Material, Deduct	-507.50	
22 11 19 00-0145	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	950.30	81.88
			For Work In Restricted Working Space, Add	61.41	
			For Owner Furnished Material, Deduct	-745.60	
22 11 19 00-0146	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	1,173.67	94.02
			For Work In Restricted Working Space, Add	70.06	
			For Owner Furnished Material, Deduct	-940.15	
22 11 19 00-0147	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series) .....	1,357.30	121.31
			For Work In Restricted Working Space, Add	90.98	
			For Owner Furnished Material, Deduct	-1,054.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0148			<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0140)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0149	EA		1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	611.21	40.64
			<i>For Work In Restricted Working Space, Add</i>	30.48	
			<i>For Owner Furnished Material, Deduct</i>	-509.61	
22 11 19 00-0150	EA		3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	757.41	57.62
			<i>For Work In Restricted Working Space, Add</i>	43.22	
			<i>For Owner Furnished Material, Deduct</i>	-613.36	
22 11 19 00-0151	EA		1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	886.98	70.36
			<i>For Work In Restricted Working Space, Add</i>	52.77	
			<i>For Owner Furnished Material, Deduct</i>	-711.08	
22 11 19 00-0152	EA		1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,240.37	81.88
			<i>For Work In Restricted Working Space, Add</i>	61.41	
			<i>For Owner Furnished Material, Deduct</i>	-1,035.67	
22 11 19 00-0153	EA		1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,515.32	94.02
			<i>For Work In Restricted Working Space, Add</i>	70.06	
			<i>For Owner Furnished Material, Deduct</i>	-1,281.80	
22 11 19 00-0154	EA		2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S).....	1,828.98	121.31
			<i>For Work In Restricted Working Space, Add</i>	90.98	
			<i>For Owner Furnished Material, Deduct</i>	-1,525.71	
22 11 19 00-0155			<b>Flanged Double Check Valve Assemblies</b> <small>(22 11 19 00-0139)</small>		
22 11 19 00-0156			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0157	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) .....	6,579.37	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.06	
			<i>For Owner Furnished Material, Deduct</i>	-6,132.50	
22 11 19 00-0158	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS) .....	7,229.88	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-6,734.13	
22 11 19 00-0159			<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0160	EA		2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY).....	7,202.70	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.06	
			<i>For Owner Furnished Material, Deduct</i>	-6,755.83	
22 11 19 00-0161	EA		3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY) .....	8,268.76	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-7,773.01	
22 11 19 00-0162			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).		
22 11 19 00-0163	EA		2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	6,624.31	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.05	
			<i>For Owner Furnished Material, Deduct</i>	-6,177.47	
22 11 19 00-0164	EA		3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series).....	5,075.14	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-4,579.38	
22 11 19 00-0165	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series) .....	7,940.58	558.58
			<i>For Work In Restricted Working Space, Add</i>	223.31	
			<i>For Owner Furnished Material, Deduct</i>	-7,196.20	
22 11 19 00-0166	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) .....	12,147.88	837.73
			<i>For Work In Restricted Working Space, Add</i>	454.00	
			<i>For Owner Furnished Material, Deduct</i>	-10,634.56	
22 11 19 00-0167	EA		8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) .....	27,559.83	1,256.59
			<i>For Work In Restricted Working Space, Add</i>	681.10	
			<i>For Owner Furnished Material, Deduct</i>	-25,289.49	
22 11 19 00-0168	EA		10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series) .....	35,363.17	1,486.30
			<i>For Work In Restricted Working Space, Add</i>	810.71	
			<i>For Owner Furnished Material, Deduct</i>	-32,660.82	
22 11 19 00-0169			<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer</b> <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).		
22 11 19 00-0170	EA		4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	9,256.94	558.58
			<i>For Work In Restricted Working Space, Add</i>	223.29	
			<i>For Owner Furnished Material, Deduct</i>	-8,512.63	
22 11 19 00-0171	EA		6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	15,456.05	837.73
			<i>For Work In Restricted Working Space, Add</i>	454.00	
			<i>For Owner Furnished Material, Deduct</i>	-13,942.73	

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

22 11 19 00-0172	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series).....	41,006.90	1,486.30
		<i>For Work In Restricted Working Space, Add</i>	810.71	
		<i>For Owner Furnished Material, Deduct</i>	-38,304.55	
<b>22 11 19 00-0173</b>		<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <sup>(22 11 19 00-0155)</sup>		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).		
22 11 19 00-0174	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	7,032.11	335.15
		<i>For Work In Restricted Working Space, Add</i>	134.05	
		<i>For Owner Furnished Material, Deduct</i>	-6,585.27	
22 11 19 00-0175	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series) .....	7,727.61	377.04
		<i>For Work In Restricted Working Space, Add</i>	148.73	
		<i>For Owner Furnished Material, Deduct</i>	-7,231.86	
22 11 19 00-0176	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	8,418.08	558.58
		<i>For Work In Restricted Working Space, Add</i>	223.29	
		<i>For Owner Furnished Material, Deduct</i>	-7,673.77	
22 11 19 00-0177	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	14,178.38	837.73
		<i>For Work In Restricted Working Space, Add</i>	454.00	
		<i>For Owner Furnished Material, Deduct</i>	-12,665.06	
22 11 19 00-0178	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	29,245.76	1,256.59
		<i>For Work In Restricted Working Space, Add</i>	680.99	
		<i>For Owner Furnished Material, Deduct</i>	-26,975.78	
22 11 19 00-0179	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series).....	37,538.98	1,486.30
		<i>For Work In Restricted Working Space, Add</i>	810.71	
		<i>For Owner Furnished Material, Deduct</i>	-34,836.63	
<b>22 11 19 00-0180</b>		<b>Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <sup>(22 11 19 00-0155)</sup>		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).		
22 11 19 00-0181	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,214.88	335.15
		<i>For Work In Restricted Working Space, Add</i>	134.05	
		<i>For Owner Furnished Material, Deduct</i>	-3,768.04	
22 11 19 00-0182	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	4,640.81	377.04
		<i>For Work In Restricted Working Space, Add</i>	148.73	
		<i>For Owner Furnished Material, Deduct</i>	-4,145.06	
22 11 19 00-0183	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	5,266.39	558.58
		<i>For Work In Restricted Working Space, Add</i>	223.29	
		<i>For Owner Furnished Material, Deduct</i>	-4,522.08	
22 11 19 00-0184	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	8,584.23	837.73
		<i>For Work In Restricted Working Space, Add</i>	454.00	
		<i>For Owner Furnished Material, Deduct</i>	-7,070.91	
22 11 19 00-0185	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	16,249.76	1,256.59
		<i>For Work In Restricted Working Space, Add</i>	680.99	
		<i>For Owner Furnished Material, Deduct</i>	-13,979.78	
22 11 19 00-0186	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series).....	17,661.71	1,486.30
		<i>For Work In Restricted Working Space, Add</i>	810.71	
		<i>For Owner Furnished Material, Deduct</i>	-14,959.36	
<b>22 11 19 00-0187</b>		<b>N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs</b> <sup>(22 11 19 00-0155)</sup>		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).		
22 11 19 00-0188	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,551.86	335.15
		<i>For Work In Restricted Working Space, Add</i>	134.05	
		<i>For Owner Furnished Material, Deduct</i>	-5,105.02	
22 11 19 00-0189	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	5,977.79	377.04
		<i>For Work In Restricted Working Space, Add</i>	148.73	
		<i>For Owner Furnished Material, Deduct</i>	-5,482.04	
22 11 19 00-0190	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series).....	7,500.53	558.58
		<i>For Work In Restricted Working Space, Add</i>	223.29	
		<i>For Owner Furnished Material, Deduct</i>	-6,756.22	
22 11 19 00-0191	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	12,324.28	837.73
		<i>For Work In Restricted Working Space, Add</i>	454.00	
		<i>For Owner Furnished Material, Deduct</i>	-10,810.96	
22 11 19 00-0192	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	21,792.90	1,256.59
		<i>For Work In Restricted Working Space, Add</i>	680.99	
		<i>For Owner Furnished Material, Deduct</i>	-19,522.92	
22 11 19 00-0193	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series).....	25,933.45	1,486.30
		<i>For Work In Restricted Working Space, Add</i>	810.71	
		<i>For Owner Furnished Material, Deduct</i>	-23,231.10	
<b>22 11 19 00-0194</b>		<b>Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves</b> <sup>(22 11 19 00-0155)</sup>		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).		
22 11 19 00-0195	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series).....	3,948.96	335.15
		<i>For Work In Restricted Working Space, Add</i>	134.05	
		<i>For Owner Furnished Material, Deduct</i>	-3,502.12	

	MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0196	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,386.98 148.73 -3,891.23	377.04
	22 11 19 00-0197	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,024.50 223.29 -4,280.19	558.58
	22 11 19 00-0198	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,394.21 454.00 -6,880.89	837.73
	22 11 19 00-0199	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,066.64 680.99 -13,796.66	1,256.59
	22 11 19 00-0200	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	18,173.01 810.71 -15,470.66	1,486.30
	<b>22 11 19 00-0201</b>		<b>N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs</b> <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).		
	22 11 19 00-0202	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,173.83 134.05 -4,726.99	335.15
	22 11 19 00-0203	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,599.76 148.73 -5,104.01	377.04
	22 11 19 00-0204	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,122.97 223.29 -6,378.66	558.58
	22 11 19 00-0205	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,922.14 454.00 -10,408.82	837.73
	22 11 19 00-0206	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	21,184.22 680.99 -18,914.24	1,256.59
	22 11 19 00-0207	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	25,323.00 810.71 -22,620.65	1,486.30
	<b>22 11 19 00-0208</b>		<b>Double Check Valve Assemblies With Butterfly Shut-Off Valves</b> <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
	22 11 19 00-0209	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,577.87 134.05 -4,131.03	335.15
	22 11 19 00-0210	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,003.80 148.73 -4,508.05	377.04
	22 11 19 00-0211	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,629.38 223.29 -4,885.07	558.58
	22 11 19 00-0212	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,956.37 454.00 -7,443.05	837.73
	22 11 19 00-0213	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,621.90 680.99 -14,351.92	1,256.59
	<b>22 11 19 00-0214</b>		<b>N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs</b> <small>(22 11 19 00-0155)</small> Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
	22 11 19 00-0215	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,914.85 134.05 -5,468.01	335.15
	22 11 19 00-0216	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	6,340.78 148.73 -5,845.03	377.04
	22 11 19 00-0217	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	7,863.52 223.29 -7,119.21	558.58
	22 11 19 00-0218	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,696.50 454.00 -11,183.18	837.73
	22 11 19 00-0219	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series) ..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,621.90 680.99 -14,351.92	1,256.59
	22 11 19 00-0220		<b>Grooved Double Check Valve Assemblies</b> <small>(22 11 19 00-0139)</small>		
	22 11 19 00-0221		<b>Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0220)</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		



**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0222	EA		2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	3,948.96 134.05 -3,502.12	178.75
22 11 19 00-0223	EA		3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	4,386.98 148.73 -3,891.23	198.29
22 11 19 00-0224			<b>N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0224) <small>19 00-0220</small> Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0225	EA		2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,173.83 134.05 -4,726.99	178.75
22 11 19 00-0226	EA		3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	5,599.76 148.73 -5,104.01	198.29
22 11 19 00-0227			<b>Reduced Pressure Zone Backflow Preventer Assemblies</b> (22 11 19 00-0138)		
22 11 19 00-0228			<b>Threaded Reduced Pressure Zone Assemblies</b> (22 11 19 00-0227)		
22 11 19 00-0229			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0228) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0230	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	548.79 26.39 -460.84	35.18
22 11 19 00-0231	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	580.27 29.12 -483.22	38.81
22 11 19 00-0232	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	674.02 30.48 -572.42	40.64
22 11 19 00-0233	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	906.40 43.22 -762.35	57.62
22 11 19 00-0234	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,076.22 52.77 -900.32	70.36
22 11 19 00-0235	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,617.03 61.41 -1,412.33	81.88
22 11 19 00-0236	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,712.28 70.06 -1,478.76	94.02
22 11 19 00-0237	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,058.05 90.98 -1,754.78	121.31
22 11 19 00-0238			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> (22 11 19 00-0228) Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).		
22 11 19 00-0239	EA		1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	604.58 26.39 -516.63	35.18
22 11 19 00-0240	EA		3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	639.07 29.12 -542.02	38.81
22 11 19 00-0241	EA		1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	754.59 30.48 -652.99	57.62
22 11 19 00-0242	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,033.03 43.22 -888.98	57.62
22 11 19 00-0243	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,234.55 52.77 -1,058.65	70.36
22 11 19 00-0244	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	1,832.96 61.41 -1,628.26	81.88
22 11 19 00-0245	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,017.00 70.06 -1,783.48	94.02
22 11 19 00-0246	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	2,431.90 90.98 -2,128.63	121.31

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 11 19 00-0247	<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0228)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).		
22 11 19 00-0248	EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	906.40	57.62
	<i>For Work In Restricted Working Space, Add</i>	43.22	
	<i>For Owner Furnished Material, Deduct</i>	-762.35	
22 11 19 00-0249	EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,076.22	70.36
	<i>For Work In Restricted Working Space, Add</i>	52.77	
	<i>For Owner Furnished Material, Deduct</i>	-900.32	
22 11 19 00-0250	EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,617.03	81.88
	<i>For Work In Restricted Working Space, Add</i>	61.41	
	<i>For Owner Furnished Material, Deduct</i>	-1,412.33	
22 11 19 00-0251	EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	1,712.28	94.02
	<i>For Work In Restricted Working Space, Add</i>	70.06	
	<i>For Owner Furnished Material, Deduct</i>	-1,478.76	
22 11 19 00-0252	EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series).....	2,058.05	121.31
	<i>For Work In Restricted Working Space, Add</i>	90.98	
	<i>For Owner Furnished Material, Deduct</i>	-1,754.78	
22 11 19 00-0253	<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0228)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).		
22 11 19 00-0254	EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,033.03	57.62
	<i>For Work In Restricted Working Space, Add</i>	43.22	
	<i>For Owner Furnished Material, Deduct</i>	-888.98	
22 11 19 00-0255	EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,234.55	70.36
	<i>For Work In Restricted Working Space, Add</i>	52.77	
	<i>For Owner Furnished Material, Deduct</i>	-1,058.65	
22 11 19 00-0256	EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	1,832.96	81.88
	<i>For Work In Restricted Working Space, Add</i>	61.41	
	<i>For Owner Furnished Material, Deduct</i>	-1,628.26	
22 11 19 00-0257	EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,017.00	94.02
	<i>For Work In Restricted Working Space, Add</i>	70.06	
	<i>For Owner Furnished Material, Deduct</i>	-1,783.48	
22 11 19 00-0258	EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series).....	2,431.90	121.31
	<i>For Work In Restricted Working Space, Add</i>	90.98	
	<i>For Owner Furnished Material, Deduct</i>	-2,128.63	
22 11 19 00-0259	<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> <small>(22 11 19 00-0228)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).		
22 11 19 00-0260	EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	1,846.90	57.62
	<i>For Work In Restricted Working Space, Add</i>	43.22	
	<i>For Owner Furnished Material, Deduct</i>	-1,702.85	
22 11 19 00-0261	EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT).....	2,186.93	70.36
	<i>For Work In Restricted Working Space, Add</i>	52.77	
	<i>For Owner Furnished Material, Deduct</i>	-2,011.03	
22 11 19 00-0262	EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,355.26	81.88
	<i>For Work In Restricted Working Space, Add</i>	61.41	
	<i>For Owner Furnished Material, Deduct</i>	-3,150.56	
22 11 19 00-0263	EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT).....	3,629.19	94.02
	<i>For Work In Restricted Working Space, Add</i>	70.06	
	<i>For Owner Furnished Material, Deduct</i>	-3,395.67	
22 11 19 00-0264	EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT).....	4,214.95	121.31
	<i>For Work In Restricted Working Space, Add</i>	90.98	
	<i>For Owner Furnished Material, Deduct</i>	-3,911.68	
22 11 19 00-0265	<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer</b> <small>(22 11 19 00-0228)</small> Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).		
22 11 19 00-0266	EA 3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,479.88	57.62
	<i>For Work In Restricted Working Space, Add</i>	43.22	
	<i>For Owner Furnished Material, Deduct</i>	-2,335.83	
22 11 19 00-0267	EA 1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S).....	2,948.62	70.36
	<i>For Work In Restricted Working Space, Add</i>	52.77	
	<i>For Owner Furnished Material, Deduct</i>	-2,772.72	
22 11 19 00-0268	EA 1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,485.90	81.88
	<i>For Work In Restricted Working Space, Add</i>	61.41	
	<i>For Owner Furnished Material, Deduct</i>	-4,281.20	
22 11 19 00-0269	EA 1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	4,901.74	94.02
	<i>For Work In Restricted Working Space, Add</i>	70.06	
	<i>For Owner Furnished Material, Deduct</i>	-4,668.22	
22 11 19 00-0270	EA 2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S).....	5,826.35	121.31
	<i>For Work In Restricted Working Space, Add</i>	90.98	
	<i>For Owner Furnished Material, Deduct</i>	-5,523.08	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 11 Facility Water Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0271			<b>Flanged Reduced Pressure Zone Assemblies</b> (22 11 19 00-0271)		
22 11 19 00-0272			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0271) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).		
22 11 19 00-0273	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,056.83	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.06	
			<i>For Owner Furnished Material, Deduct</i>	-5,609.96	
22 11 19 00-0274	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series).....	6,823.63	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-6,327.88	
22 11 19 00-0275			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer</b> (22 11 19 00-0271) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).		
22 11 19 00-0276	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	7,207.36	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.06	
			<i>For Owner Furnished Material, Deduct</i>	-6,760.49	
22 11 19 00-0277	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series).....	8,160.22	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-7,664.47	
22 11 19 00-0278			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> (22 11 19 00-0271) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0279	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	6,497.19	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.06	
			<i>For Owner Furnished Material, Deduct</i>	-6,050.32	
22 11 19 00-0280	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series).....	7,555.50	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-7,059.75	
22 11 19 00-0281			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer</b> (22 11 19 00-0271) Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0282	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	7,207.36	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.06	
			<i>For Owner Furnished Material, Deduct</i>	-6,760.49	
22 11 19 00-0283	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series).....	8,160.22	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-7,664.47	
22 11 19 00-0284			<b>Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs</b> (22 11 19 00-0271) Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0285	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	7,993.49	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.06	
			<i>For Owner Furnished Material, Deduct</i>	-7,546.62	
22 11 19 00-0286	EA		3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series).....	9,247.17	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-8,751.42	
22 11 19 00-0287			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs</b> (22 11 19 00-0271) Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0288	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	10,353.43	335.15
			<i>For Work In Restricted Working Space, Add</i>	134.05	
			<i>For Owner Furnished Material, Deduct</i>	-9,906.59	
22 11 19 00-0289	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	11,760.65	377.04
			<i>For Work In Restricted Working Space, Add</i>	148.73	
			<i>For Owner Furnished Material, Deduct</i>	-11,264.89	
22 11 19 00-0290	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	14,826.66	558.58
			<i>For Work In Restricted Working Space, Add</i>	223.31	
			<i>For Owner Furnished Material, Deduct</i>	-14,082.28	
22 11 19 00-0291	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series).....	22,579.87	837.73
			<i>For Work In Restricted Working Space, Add</i>	635.63	
			<i>For Owner Furnished Material, Deduct</i>	-20,461.09	
22 11 19 00-0292	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series).....	37,396.54	1,256.59
			<i>For Work In Restricted Working Space, Add</i>	953.45	
			<i>For Owner Furnished Material, Deduct</i>	-34,218.37	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0293	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	48,023.81 810.71 -45,321.46	1,486.30
	<b>22 11 19 00-0294</b>			<b>Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer</b> <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
	22 11 19 00-0295	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,151.98 134.05 -10,705.14	335.15
	22 11 19 00-0296	EA		3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,601.05 148.73 -12,105.30	377.04
	22 11 19 00-0297	EA		4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	16,115.11 223.29 -15,370.80	558.58
	22 11 19 00-0298	EA		6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	24,399.73 454.00 -22,886.41	837.73
	22 11 19 00-0299	EA		8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	39,482.65 680.99 -37,212.67	1,256.59
	22 11 19 00-0300	EA		10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	53,521.32 810.71 -50,818.97	1,486.30
	<b>22 11 19 00-0301</b>			<b>Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs</b> <small>(22 11 19 00-0271)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).		
	22 11 19 00-0302	EA		2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,010.87 134.05 -10,564.03	335.15
	22 11 19 00-0303	EA		3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	12,514.23 148.73 -12,018.47	377.04
	22 11 19 00-0304	EA		4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	15,763.20 223.31 -15,018.82	558.58
	22 11 19 00-0305	EA		6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	23,339.66 454.00 -21,826.34	837.73
	22 11 19 00-0306	EA		8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	38,770.63 680.99 -36,500.65	1,256.59
	22 11 19 00-0307	EA		10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	51,043.54 810.71 -48,341.19	1,486.30
	22 11 19 00-0308			<b>Double Check Detector Assemblies</b> <small>(22 11 19 00-0138)</small>		
	22 11 19 00-0309			<b>Flanged Double Check Detector Assemblies With Meter</b> <small>(22 11 19 00-0308)</small>		
	22 11 19 00-0310			<b>Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter</b> <small>(22 11 19 00-0309)</small> Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).		
	22 11 19 00-0311	EA		3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,284.34 148.73 -7,788.59	377.04
	22 11 19 00-0312	EA		4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	8,713.62 223.29 -7,969.31	558.58
	22 11 19 00-0313	EA		6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	11,861.75 454.00 -10,348.43	837.73
	22 11 19 00-0314	EA		8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)..... <i>For Work In Restricted Working Space, Add</i> <i>For Owner Furnished Material, Deduct</i>	20,975.36 680.99 -18,705.38	1,256.59

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

22 11 19 00-0315	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	28,266.29	1,486.30
		<i>For Work In Restricted Working Space, Add</i>	810.71	
		<i>For Owner Furnished Material, Deduct</i>	-25,563.94	

**22 11 19 00-0316 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter**

(22 11 19 00-0309)

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0317	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,216.93	335.15
		<i>For Work In Restricted Working Space, Add</i>	134.06	
		<i>For Owner Furnished Material, Deduct</i>	-5,770.06	
22 11 19 00-0318	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,642.44	377.04
		<i>For Work In Restricted Working Space, Add</i>	148.73	
		<i>For Owner Furnished Material, Deduct</i>	-6,146.69	
22 11 19 00-0319	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	7,276.94	558.58
		<i>For Work In Restricted Working Space, Add</i>	223.29	
		<i>For Owner Furnished Material, Deduct</i>	-6,532.63	
22 11 19 00-0320	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	9,995.87	837.73
		<i>For Work In Restricted Working Space, Add</i>	454.00	
		<i>For Owner Furnished Material, Deduct</i>	-8,482.55	
22 11 19 00-0321	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	17,602.95	1,256.59
		<i>For Work In Restricted Working Space, Add</i>	680.99	
		<i>For Owner Furnished Material, Deduct</i>	-15,332.97	
22 11 19 00-0322	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	20,762.54	1,486.30
		<i>For Work In Restricted Working Space, Add</i>	810.71	
		<i>For Owner Furnished Material, Deduct</i>	-18,060.19	

**22 11 19 00-0323 Double Check Detector Assembly With Butterfly Valves And Meter**

(22 11 19 00-0309)

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0324	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,579.99	335.15
		<i>For Work In Restricted Working Space, Add</i>	134.06	
		<i>For Owner Furnished Material, Deduct</i>	-6,133.12	
22 11 19 00-0325	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,005.51	377.04
		<i>For Work In Restricted Working Space, Add</i>	148.73	
		<i>For Owner Furnished Material, Deduct</i>	-6,509.76	
22 11 19 00-0326	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	7,639.93	558.58
		<i>For Work In Restricted Working Space, Add</i>	223.29	
		<i>For Owner Furnished Material, Deduct</i>	-6,895.62	
22 11 19 00-0327	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	10,368.00	837.73
		<i>For Work In Restricted Working Space, Add</i>	454.00	
		<i>For Owner Furnished Material, Deduct</i>	-8,854.68	
22 11 19 00-0328	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	17,156.46	1,256.59
		<i>For Work In Restricted Working Space, Add</i>	680.99	
		<i>For Owner Furnished Material, Deduct</i>	-14,886.48	

**22 11 19 00-0329 Flanged Double Check Detector Assemblies Without Meter**

(22 11 19 00-0308)

**22 11 19 00-0330 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter**

(22 11 19 00-0329)

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0331	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,102.29	335.15
		<i>For Work In Restricted Working Space, Add</i>	134.06	
22 11 19 00-0332	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,527.85	377.04
		<i>For Work In Restricted Working Space, Add</i>	148.73	
22 11 19 00-0333	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	7,162.35	558.58
		<i>For Work In Restricted Working Space, Add</i>	223.29	
22 11 19 00-0334	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	9,881.28	837.73
		<i>For Work In Restricted Working Space, Add</i>	454.00	
22 11 19 00-0335	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	17,488.44	1,256.59
		<i>For Work In Restricted Working Space, Add</i>	680.99	
22 11 19 00-0336	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	20,647.87	1,486.30
		<i>For Work In Restricted Working Space, Add</i>	810.71	

**22 11 19 00-0337 Double Check Detector Assembly With Butterfly Valves Less Meter**

(22 11 19 00-0329)

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0338	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,465.33	335.15
		<i>For Work In Restricted Working Space, Add</i>	134.06	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 11 19 00-0339	EA		3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	6,890.84 148.73	377.04
	22 11 19 00-0340	EA		4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	7,525.34 223.29	558.58
	22 11 19 00-0341	EA		6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	10,253.34 454.00	837.73
	22 11 19 00-0342	EA		8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)..... <i>For Work In Restricted Working Space, Add</i>	17,860.57 680.99	1,256.59
	<b>22 11 19 00-0343</b>			<b>Backflow Preventer Accessories</b> (22 11 19 00-0138)		
	<b>22 11 19 00-0344</b>			<b>Air Gap</b> (22 11 19 00-0343)		
	22 11 19 00-0345	EA		Up To 1" Diameter Air Gap For Backflow Preventer.....	143.35	18.96
	22 11 19 00-0346	EA		1-1/4" To 2" Diameter Air Gap For Backflow Preventer.....	176.21	22.75
	22 11 19 00-0347	EA		2-1/2" To 3" Diameter Air Gap For Backflow Preventer.....	326.75	30.33
	22 11 19 00-0348	EA		4" To 6" Diameter Air Gap For Backflow Preventer.....	644.00	53.08
	22 11 19 00-0349	EA		8" To 10" Diameter Air Gap For Backflow Preventer.....	689.50	75.81
	<b>22 11 19 00-0350</b>			<b>Brass Test Cocks</b> (22 11 19 00-0343)		
	22 11 19 00-0351	EA		1/8" Or 1/4" Brass Test Cock.....	58.30	7.58
	<b>22 11 19 00-0352</b>			<b>Backflow Valve Enclosures</b> (22 11 19 00-0138)		
	<b>22 11 19 00-0353</b>			<b>Flip-Top, Insulated Fiberglass Valve Enclosures</b> (22 11 19 00-0352) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
	22 11 19 00-0354	EA		19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,462.83 168.25	136.47
	22 11 19 00-0355	EA		27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,776.68 215.33	136.47
	22 11 19 00-0356	EA		27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	2,219.11 285.74	125.68
	22 11 19 00-0357	EA		33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	2,332.03 286.97	167.57
	22 11 19 00-0358	EA		39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	2,438.46 302.93	167.57
	22 11 19 00-0359	EA		47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	2,853.29 365.15	167.57
	22 11 19 00-0360	EA		39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	2,864.20 366.79	167.57
	22 11 19 00-0361	EA		47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	3,571.04 472.82	167.57
	22 11 19 00-0362	EA		70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	8,130.71 1,125.35	251.36
	22 11 19 00-0363	EA		83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	11,697.64 1,660.38	251.36
	22 11 19 00-0364	EA		70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	11,124.53 1,574.42	251.36
	22 11 19 00-0365	EA		83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	13,387.98 1,898.23	293.26
	<b>22 11 19 00-0366</b>			<b>One-Piece Drop Over, Insulated Fiberglass Valve Enclosures</b> (22 11 19 00-0352) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
	22 11 19 00-0367	EA		20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	742.94 136.46	36.40
	22 11 19 00-0368	EA		27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,032.22 194.31	36.40
	22 11 19 00-0369	EA		38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,294.87 247.80	33.51
	22 11 19 00-0370	EA		47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	1,955.31 379.89	33.51
	22 11 19 00-0371	EA		70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	5,060.79 991.21	62.84
	22 11 19 00-0372	EA		83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	6,908.39 1,360.73	62.84
	22 11 19 00-0373	EA		45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	4,602.30 899.51	62.84
	22 11 19 00-0374	EA		53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	5,208.16 1,020.68	62.84
	22 11 19 00-0375	EA		61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure..... <i>For Heated Enclosure, Add</i>	8,147.40 1,608.53	62.84
	<b>22 11 19 00-0376</b>			<b>Sectional, Insulated Aluminum Valve Enclosures</b> (22 11 19 00-0352) Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
	22 11 19 00-0377	EA		70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,485.92 1,478.63 843.88 1,510.11	251.36
	22 11 19 00-0378	EA		83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,542.08 1,637.05 843.88 1,510.11	251.36

**22 Plumbing**

**22 10 Plumbing Piping**

**22 11 Facility Water Distribution**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0379	EA		53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	8,258.97 1,144.58 843.88 1,510.11	251.36
22 11 19 00-0380	EA		53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,039.50 1,261.66 843.88 1,510.11	251.36
22 11 19 00-0381	EA		90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	10,550.74 1,456.93 843.88 1,510.11	335.15
22 11 19 00-0382	EA		102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,800.66 1,644.42 843.88 1,510.11	335.15
22 11 19 00-0383	EA		90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,800.66 1,644.42 843.88 1,510.11	335.15
22 11 19 00-0384	EA		102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,012.39 1,826.18 843.88 1,510.11	335.15
22 11 19 00-0385	EA		62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	9,801.94 1,360.32 843.88 1,510.11	293.26
22 11 19 00-0386	EA		62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	11,470.44 1,594.89 843.88 1,510.11	335.15
22 11 19 00-0387	EA		105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,361.71 1,878.58 843.88 1,510.11	335.15
22 11 19 00-0388	EA		125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,658.55 2,065.25 843.88 1,510.11	356.10
22 11 19 00-0389	EA		105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	14,972.40 2,112.32 843.88 1,510.11	356.10
22 11 19 00-0390	EA		125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	16,585.80 2,346.48 843.88 1,510.11	377.04
22 11 19 00-0391	EA		105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	17,210.77 2,440.23 843.88 1,510.11	377.04
22 11 19 00-0392	EA		72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	12,542.98 1,755.77 843.88 1,510.11	335.15
22 11 19 00-0393	EA		72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	13,353.52 1,877.35 843.88 1,510.11	335.15
22 11 19 00-0394	EA		72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,092.48 2,130.34 843.88 1,510.11	356.10
22 11 19 00-0395	EA		72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,250.55 2,596.19 843.88 1,510.11	377.04
22 11 19 00-0396	EA		118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	15,960.84 2,252.74 843.88 1,510.11	377.04
22 11 19 00-0397	EA		142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	19,138.03 2,721.46 843.88 1,510.11	397.99
22 11 19 00-0398	EA		118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	18,513.06 2,627.71 843.88 1,510.11	397.99
22 11 19 00-0399	EA		142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	21,411.88 3,054.68 843.88 1,510.11	418.93
22 11 19 00-0400	EA		142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... <i>For Heated Enclosure, Add</i> <i>For One 24" Fluorescent Light Fixture, Add</i> <i>For Two 24" Fluorescent Light Fixture, Add</i>	19,815.36 2,815.20 843.88 1,510.11	418.93

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0401 EA 172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	23,085.34 3,297.84 843.88 1,510.11	439.89
22 11 19 00-0402 EA 142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	23,137.71 3,297.84 843.88 1,510.11	460.83
22 11 19 00-0403 EA 172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure ..... For Heated Enclosure, Add For One 24" Fluorescent Light Fixture, Add For Two 24" Fluorescent Light Fixture, Add	27,379.24 3,926.22 843.88 1,510.11	481.78
<b>22 11 19 00-0404 Faucets (Hose Bibbs) (22 11 19)</b>		
<b>22 11 19 00-0405 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends (22 11 19 00-0404)</b>		
22 11 19 00-0406 EA 1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	78.40	15.16
22 11 19 00-0407 EA 3/4", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends .....	91.11	16.68
22 11 19 00-0408 EA 3/4" Screwed Ends Vacuum Breaker (Mueller 108-904NL) .....	22.80	11.37
<b>22 11 19 00-0409 Chrome Plated Brass Hose Valves, Screwed Ends (22 11 19 00-0404)</b>		
22 11 19 00-0410 EA 3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP).....	237.61	46.40
<b>22 11 19 00-0411 Antisiphon Freezeless Wall Faucet (Woodford 19CP) (22 11 19 00-0404)</b>		
22 11 19 00-0412 EA 4" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	164.37	37.91
22 11 19 00-0413 EA 6" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	178.84	42.00
22 11 19 00-0414 EA 8" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	189.51	44.43
22 11 19 00-0415 EA 10" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	200.17	47.61
22 11 19 00-0416 EA 12" Long, 1/2" Antisiphon Freezeless Wall Faucet .....	211.00	50.50
<b>22 11 19 00-0417 Escutcheons (22 11 19)</b>		
<b>22 11 19 00-0418 Chrome Plated Steel Escutcheons (22 11 19 00-0417)</b>		
<b>22 11 19 00-0419 Split-Ring Chrome Plated Steel Escutcheons (22 11 19 00-0418)</b>		
22 11 19 00-0420 EA 1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	8.29	3.77
22 11 19 00-0421 EA 3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon.....	9.04	4.22
22 11 19 00-0422 EA 1" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	9.95	4.52
22 11 19 00-0423 EA 1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	10.70	4.97
22 11 19 00-0424 EA 1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	11.45	5.28
22 11 19 00-0425 EA 2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	13.17	6.03
22 11 19 00-0426 EA 2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	18.96	6.48
22 11 19 00-0427 EA 3" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	20.14	6.78
22 11 19 00-0428 EA 3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	24.40	7.24
22 11 19 00-0429 EA 4" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	22.01	7.54
22 11 19 00-0430 EA 5" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	27.90	8.29
22 11 19 00-0431 EA 6" IPS, Split-Ring Chrome Plated Steel Escutcheon .....	32.34	9.05
<b>22 11 19 00-0432 Cast Brass Escutcheons (22 11 19 00-0417)</b>		
Note: With Brass Setscrew.		
22 11 19 00-0433 EA 3/8" IPS Cast Brass Escutcheon .....	24.98	3.79
22 11 19 00-0434 EA 1/2" IPS Cast Brass Escutcheon .....	25.22	3.79
22 11 19 00-0435 EA 5/8" IPS Cast Brass Escutcheon .....	25.59	3.79
22 11 19 00-0436 EA 3/4" IPS Cast Brass Escutcheon .....	26.90	3.79
22 11 19 00-0437 EA 7/8" IPS Cast Brass Escutcheon .....	27.38	4.55
22 11 19 00-0438 EA 1" IPS Cast Brass Escutcheon .....	28.67	4.55
22 11 19 00-0439 EA 1-1/4" IPS Cast Brass Escutcheon .....	29.79	5.00
22 11 19 00-0440 EA 1-1/2" IPS Cast Brass Escutcheon .....	31.20	5.31
22 11 19 00-0441 EA 2" IPS Cast Brass Escutcheon .....	44.22	6.07
<b>22 11 19 00-0442 Keyed, Recessed Valve Boxes (22 11 19)</b>		
22 11 19 00-0443 EA 8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box.....	337.12	45.23
22 11 19 00-0444 EA 8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box.....	372.36	45.23
22 11 19 00-0445 EA 8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box.....	425.22	45.23
22 11 19 00-0446 EA 12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box.....	420.13	60.30
22 11 19 00-0447 EA 12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box.....	472.99	60.30
22 11 19 00-0448 EA 12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box.....	488.85	60.30
22 11 19 00-0449 EA 8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	393.51	45.23
22 11 19 00-0450 EA 8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	471.03	45.23
22 11 19 00-0451 EA 8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	539.75	45.23
22 11 19 00-0452 EA 12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box.....	518.80	60.30
22 11 19 00-0453 EA 12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box.....	587.52	60.30
22 11 19 00-0454 EA 12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box.....	613.95	60.30
<b>22 11 23 Domestic Water Pumps (22 11)</b>		
<b>22 11 23 13 Domestic-Water Packaged Booster Pumps (22 11 23)</b>		
Note: Includes pump, motor, starter and controls.		
22 11 23 13-0001 Simplex Domestic Booster System (22 11 23 13)		

**22 Plumbing****22 10 Plumbing Piping****22 11 Facility Water Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 11 23 13-0002	EA	1 HP Simplex Booster Pump With Tank .....	16,438.41	446.87
22 11 23 13-0003	EA	1.5 HP Simplex Booster Pump With Tank .....	17,056.34	600.47
22 11 23 13-0004	EA	2 HP Simplex Booster Pump With Tank .....	17,791.23	754.08
22 11 23 13-0005	EA	3 HP Simplex Booster Pump With Tank .....	18,467.64	907.70
22 11 23 13-0006	EA	5 HP Simplex Booster Pump With Tank .....	20,430.57	1,061.31
22 11 23 13-0007	EA	7.5 HP Simplex Booster Pump With Tank .....	22,685.89	1,214.92
22 11 23 13-0008	EA	10 HP Simplex Booster Pump With Tank .....	24,239.48	1,368.52

**22 11 23 13-0009 Duplex Domestic Booster System (22 11 23 13)**

22 11 23 13-0010	EA	100 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	44,101.58	1,804.21
22 11 23 13-0011	EA	200 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	53,181.50	1,916.97
22 11 23 13-0012	EA	300 GPM Duplex Domestic Booster Pump With Hydrocumulator.....	62,298.71	2,029.74

**22 11 23 13-0013 Triplex Domestic Booster System (22 11 23 13)**

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	58,166.75	1,916.97
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	72,508.24	2,029.74
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	90,188.56	2,255.25
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	114,350.44	2,480.78
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	138,512.32	2,706.30
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	161,390.36	3,044.59
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	184,268.39	3,382.88
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	207,146.43	3,721.17
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator.....	230,306.38	4,172.22

**22 11 23 23 Domestic-Water In-Line Pumps (22 11 23)****22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)**

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B).....	1,242.06	251.36
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B).....	1,273.01	251.36
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B).....	1,330.30	256.25
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B).....	1,461.29	266.73
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B).....	2,556.36	275.63
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB).....	2,721.49	275.63
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB).....	4,035.40	303.47
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB).....	4,213.13	333.40
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB).....	5,089.95	366.82
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S).....	5,210.81	403.70
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S).....	5,699.10	443.38
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S).....	8,123.54	487.92
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S).....	9,343.11	511.58

**22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps (22 11 23 23)**

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30).....	1,290.52	251.36
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36).....	2,107.66	251.36
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,117.77	256.25
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45).....	2,154.74	261.84
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50).....	2,164.50	266.73
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75).....	2,204.75	275.63
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2).....	2,685.14	303.47
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30).....	3,457.22	366.82
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S).....	3,647.30	403.70
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S).....	4,248.85	443.38
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S).....	5,701.90	487.92
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S).....	6,649.32	511.58
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	5,992.16	537.34
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	6,445.35	590.66
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF).....	7,081.10	626.43
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	8,934.24	696.04
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	9,505.00	835.38
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF).....	12,098.02	974.87

**22 12 Facility Potable-Water Storage Tanks (22 10)****22 12 23 Facility Indoor Potable-Water Storage Tanks (22 12)****22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks (22 12 23)****22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) (22 12 23 13)**

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A).....	2,942.96	558.58
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M).....	3,647.83	698.22
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A).....	6,572.54	768.05
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A).....	7,264.96	837.87
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A).....	14,198.30	907.70
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A).....	12,294.35	977.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 12 23 13-0008	EA		400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A).....	20,910.31	1,047.34
22 12 23 13-0009	EA		500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A).....	19,316.32	1,117.17
22 12 23 13-0010	EA		750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A).....	20,976.09	1,186.98
22 12 23 13-0011	EA		1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A).....	24,944.29	1,256.81

**22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) (22 12 23 13)**

22 12 23 13-0013	EA		80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S).....	2,543.28	558.58
22 12 23 13-0014	EA		120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S).....	4,773.56	698.22
22 12 23 13-0015	EA		140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A).....	5,936.88	768.05
22 12 23 13-0016	EA		200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S).....	7,304.30	837.87
22 12 23 13-0017	EA		200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A).....	6,242.29	837.87
22 12 23 13-0018	EA		250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A).....	9,534.57	907.70
22 12 23 13-0019	EA		325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A).....	10,317.50	977.52
22 12 23 13-0020	EA		350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S).....	9,835.04	977.52
22 12 23 13-0021	EA		350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A).....	9,000.48	977.52
22 12 23 13-0022	EA		400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A).....	12,226.13	1,047.34
22 12 23 13-0023	EA		500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A).....	13,257.21	1,117.17
22 12 23 13-0024	EA		750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A).....	15,357.72	1,186.98
22 12 23 13-0025	EA		1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A).....	28,517.80	1,256.81

**22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks (22 12 23)**

**22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks (22 12 23 26)**

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA		100 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	831.47	314.20
			<i>For Saddle Assembly, Add</i>	<i>918.84</i>	
22 12 23 26-0003	EA		150 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	973.67	366.57
			<i>For Saddle Assembly, Add</i>	<i>918.84</i>	
22 12 23 26-0004	EA		200 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,152.06	418.93
			<i>For Saddle Assembly, Add</i>	<i>1,041.89</i>	
22 12 23 26-0005	EA		300 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,395.60	471.30
			<i>For Saddle Assembly, Add</i>	<i>1,522.00</i>	
22 12 23 26-0006	EA		335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	1,665.66	523.67
			<i>For Two Tie Down Bands, Add</i>	<i>533.72</i>	
22 12 23 26-0007	EA		535 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	2,132.68	693.14
			<i>For Two Tie Down Bands, Add</i>	<i>567.50</i>	
22 12 23 26-0008	EA		1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	3,148.67	808.67
			<i>For Three Tie Down Bands, Add</i>	<i>959.81</i>	
22 12 23 26-0009	EA		1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	4,501.35	924.19
			<i>For Three Tie Down Bands, Add</i>	<i>967.05</i>	
22 12 23 26-0010	EA		1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	5,598.72	1,039.71
			<i>For Four Tie Down Bands, Add</i>	<i>1,308.70</i>	
22 12 23 26-0011	EA		2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	6,547.60	1,155.23
			<i>For Four Tie Down Bands, Add</i>	<i>1,800.88</i>	
22 12 23 26-0012	EA		2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	9,294.12	1,270.77
			<i>For Four Tie Down Bands, Add</i>	<i>2,341.31</i>	
22 12 23 26-0013	EA		3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	10,750.96	1,386.29
			<i>For Four Tie Down Bands, Add</i>	<i>2,524.67</i>	
22 12 23 26-0014	EA		4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	15,418.12	1,848.38
			<i>For Four Tie Down Bands, Add</i>	<i>2,843.14</i>	
22 12 23 26-0015	EA		5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank.....	19,852.31	1,848.38
			<i>For Five Tie Down Bands, Add</i>	<i>4,434.53</i>	

**22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks (22 12 23 26)**

22 12 23 26-0017	EA		100 Gallon Vertical Non-Pressurized Polyethylene Tank.....	922.86	418.93
22 12 23 26-0018	EA		160 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,100.13	445.12
22 12 23 26-0019	EA		210 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,205.00	471.30
22 12 23 26-0020	EA		300 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,450.94	523.67
22 12 23 26-0021	EA		405 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,660.55	628.41
22 12 23 26-0022	EA		500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	1,959.44	733.14
22 12 23 26-0023	EA		800 Gallon Vertical Non-Pressurized Polyethylene Tank.....	2,689.46	924.19
22 12 23 26-0024	EA		1,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	3,475.23	1,155.23
22 12 23 26-0025	EA		2,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	4,642.18	1,386.29
22 12 23 26-0026	EA		3,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	6,035.93	1,617.33
22 12 23 26-0027	EA		4,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	8,787.99	1,848.38
22 12 23 26-0028	EA		5,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	11,824.74	2,079.43
22 12 23 26-0029	EA		6,250 Gallon Vertical Non-Pressurized Polyethylene Tank.....	13,397.01	2,310.48
22 12 23 26-0030	EA		7,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	14,761.81	2,541.52
22 12 23 26-0031	EA		8,000 Gallon Vertical Non-Pressurized Polyethylene Tank.....	16,980.69	2,772.58
22 12 23 26-0032	EA		9,150 Gallon Vertical Non-Pressurized Polyethylene Tank.....	19,158.53	3,003.62
22 12 23 26-0033	EA		10,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	23,628.38	3,234.67
22 12 23 26-0034	EA		12,500 Gallon Vertical Non-Pressurized Polyethylene Tank.....	28,394.24	3,696.77

**22 13 Facility Sanitary Sewerage (22 10)**

**22 13 13 Facility Sanitary Sewers (22 13)**



**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0001			<b>Fixture Rough-In</b> <small>(22 13 13)</small> Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible. See CSI section 22 07 19 00-0000 for insulation, 22 11 16 00-0383 for copper pipe and fittings, 22 13 16 00-0000 for PVC or cast iron sanitary waste and vent pipe and fittings, 23 05 29 00-0000 for hangers.		
22 13 13 00-0002			<b>Single Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small> Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0003	EA		Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,336.56 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,336.56	
22 13 13 00-0004	EA		Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,767.03 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,767.03	
22 13 13 00-0005	EA		Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,217.53 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,217.53	
22 13 13 00-0006	EA		Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 787.87 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	787.87	
22 13 13 00-0007	EA		Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 928.52 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	928.52	
22 13 13 00-0008	EA		Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,185.40 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,185.40	
22 13 13 00-0009	EA		Bathub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,260.48 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,260.48	
22 13 13 00-0010	EA		Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 761.90 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	761.90	
22 13 13 00-0011	EA		Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,217.53 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,217.53	
22 13 13 00-0012	EA		Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,253.51 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,253.51	
22 13 13 00-0013	EA		Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,183.66 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,183.66	
22 13 13 00-0014	EA		Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,336.56 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,336.56	
22 13 13 00-0015	EA		Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 2,093.77 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	2,093.77	
22 13 13 00-0016	EA		Bathub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,295.43 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	1,295.43	
22 13 13 00-0017			<b>Double Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0018	EA		Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,736.35 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,736.35	
22 13 13 00-0019	EA		Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 2,368.25 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	2,368.25	
22 13 13 00-0020	EA		Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,499.58 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,499.58	
22 13 13 00-0021	EA		Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 940.99 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	940.99	
22 13 13 00-0022	EA		Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,265.53 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,265.53	
22 13 13 00-0023	EA		Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,340.35 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,340.35	
22 13 13 00-0024	EA		Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 890.15 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	890.15	
22 13 13 00-0025	EA		Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,513.53 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,513.53	
22 13 13 00-0026	EA		Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,320.22 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	1,320.22	
22 13 13 00-0027	EA		Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,285.34 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	1,285.34	
22 13 13 00-0028	EA		Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,736.35 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,736.35	
22 13 13 00-0029			<b>Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe</b> <small>(22 13 13 00-0001)</small> Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
22 13 13 00-0030	EA		Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 867.53 Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	867.53	
22 13 13 00-0031	EA		Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 1,184.13 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	1,184.13	
22 13 13 00-0032	EA		Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... 750.48 Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	750.48	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 13 00-0033		EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	471.20	
	22 13 13 00-0034		EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	632.79	
	22 13 13 00-0035		EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	670.15	
	22 13 13 00-0036		EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	479.98	
	22 13 13 00-0037		EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	756.08	
	22 13 13 00-0038		EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe ..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	660.11	
	22 13 13 00-0039		EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	643.33	
	22 13 13 00-0040		EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe..... Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	857.73	
	<b>22 13 13 00-0041</b>			<b>Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <sup>(22 13 13 00-0001)</sup> Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
	22 13 13 00-0042		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	817.93	
	22 13 13 00-0043		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	927.64	
	22 13 13 00-0044		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	772.15	
	22 13 13 00-0045		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	470.12	
	22 13 13 00-0046		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	551.45	
	22 13 13 00-0047		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	742.67	
	22 13 13 00-0048		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	757.71	
	22 13 13 00-0049		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	463.62	
	22 13 13 00-0050		EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	772.15	
	22 13 13 00-0051		EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	816.89	
	22 13 13 00-0052		EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	755.67	
	22 13 13 00-0053		EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	817.76	
	22 13 13 00-0054		EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	1,265.58	
	22 13 13 00-0055		EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	788.25	
	<b>22 13 13 00-0056</b>			<b>Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <sup>(22 13 13 00-0001)</sup> Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.		
	22 13 13 00-0057		EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,005.24	
	22 13 13 00-0058		EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,216.22	
	22 13 13 00-0059		EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	873.13	
	22 13 13 00-0060		EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	528.78	
	22 13 13 00-0061		EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	766.37	
	22 13 13 00-0062		EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	802.02	
	22 13 13 00-0063		EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe ..... Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	512.75	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	885.55		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	842.45		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.					
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	811.30		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.					
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	1,005.24		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
<b>22 13 13 00-0068</b>		<b>Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe</b> <sup>(22 13 13 00-0001)</sup>			
Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.					
22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	502.04		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.					
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	607.44		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.					
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	436.97		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.					
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	264.46		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.					
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	383.14		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.					
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	400.68		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	256.36		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.					
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	442.65		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	421.27		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.					
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	406.24		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.					
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe.....	492.78		
Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.					
<b>22 13 16</b>		<b>Sanitary Waste and Vent Piping</b> <sup>(22 13)</sup>			
22 13 16 00-0001		Cast Iron Soil Pipe Assemblies <sup>(22 13 16)</sup>			
22 13 16 00-0002		Underground Bell And Spigot Cast Iron Soil Pipe Assemblies <sup>(22 13 16 00-0001)</sup>			
Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.					
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	43.70		8.79
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
<i>For Work In Restricted Working Space, Add</i>			6.45		
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	62.41		13.27
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
<i>For Work In Restricted Working Space, Add</i>			8.75		
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	80.97		16.90
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
<i>For Work In Restricted Working Space, Add</i>			11.26		
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	95.52		21.08
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
<i>For Work In Restricted Working Space, Add</i>			11.86		
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	112.09		22.97
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
<i>For Work In Restricted Working Space, Add</i>			13.17		
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	177.40		32.61
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
<i>For Work In Restricted Working Space, Add</i>			18.47		
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly.....	259.72		32.61
Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.					
<i>For Work In Restricted Working Space, Add</i>			20.90		
22 13 16 00-0010		Aboveground No Hub Cast Iron Soil Pipe Assemblies <sup>(22 13 16 00-0001)</sup>			
Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.					

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0011	LF		1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	40.00 7.36	8.38
	22 13 16 00-0012	LF		2" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	42.40 7.90	8.93
	22 13 16 00-0013	LF		3" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	54.18 9.69	12.99
	22 13 16 00-0014	LF		4" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	64.86 11.59	16.90
	22 13 16 00-0015	LF		5" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	85.07 14.03	20.67
	22 13 16 00-0016	LF		6" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	96.48 15.29	22.56
	22 13 16 00-0017	LF		8" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	150.26 21.05	32.34
	22 13 16 00-0018	LF		10" Aboveground No Hub Cast Iron Soil Pipe Assembly..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	211.57 24.47	36.74
	22 13 16 00-0019			<b>Bell And Spigot Cast Iron Soil Pipe And Fittings</b> (22 13 16) Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).		
	22 13 16 00-0020			<b>Bell And Spigot Cast Iron Pipe</b> (22 13 16 00-0019) Note: Excludes excavation, hangers, gaskets, and fittings.		
	22 13 16 00-0021	LF		2" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.07 7.46 0.67 3.99	8.79
	22 13 16 00-0022	LF		3" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	45.42 10.70 1.00 5.99	13.27
	22 13 16 00-0023	LF		4" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	58.50 13.91 1.27 7.62	16.90
	22 13 16 00-0024	LF		5" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.25 19.63 1.58 9.46	21.08
	22 13 16 00-0025	LF		6" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.30 23.90 1.72 10.32	22.97
	22 13 16 00-0026	LF		8" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.43 37.17 2.45 14.68	32.61
	22 13 16 00-0027	LF		10" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.40 61.89 2.75 16.51	36.74
	22 13 16 00-0028	LF		12" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.45 89.91 3.67 22.02	48.98
	22 13 16 00-0029	LF		15" Bell And Spigot Cast Iron Pipe..... <i>For Extra Heavy Pipe, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	400.93 131.40 4.40 26.42	58.76
	22 13 16 00-0030			<b>Bell And Spigot Cast Iron Fittings</b> (22 13 16 00-0019)		
	22 13 16 00-0031			<b>Bell And Spigot Cast Iron Long Sweeps</b> (22 13 16 00-0030)		
	22 13 16 00-0032	EA		2" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.66 22.96 3.00 18.02	40.08
	22 13 16 00-0033	EA		3" Bell And Spigot Cast Iron Long Sweep..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.60 46.59 3.77 22.64	50.41

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0034	EA		4" Bell And Spigot Cast Iron Long Sweep.....	277.90	67.03
			<i>For Extra Heavy Fittings, Add</i>	62.10	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.02	
			<i>For Work In Restricted Working Space, Add</i>	30.14	
22 13 16 00-0035	EA		6" Bell And Spigot Cast Iron Long Sweep.....	432.42	89.18
			<i>For Extra Heavy Fittings, Add</i>	104.56	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.68	
			<i>For Work In Restricted Working Space, Add</i>	40.10	
22 13 16 00-0036	EA		8" Bell And Spigot Cast Iron Long Sweep.....	838.33	114.77
			<i>For Extra Heavy Fittings, Add</i>	233.21	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.60	
			<i>For Work In Restricted Working Space, Add</i>	51.60	
22 13 16 00-0037	EA		10" Bell And Spigot Cast Iron Long Sweep.....	1,142.37	141.19
			<i>For Extra Heavy Fittings, Add</i>	325.73	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.59	
			<i>For Work In Restricted Working Space, Add</i>	63.51	
22 13 16 00-0038	EA		12" Bell And Spigot Cast Iron Long Sweep.....	1,746.43	197.06
			<i>For Extra Heavy Fittings, Add</i>	507.84	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.77	
			<i>For Work In Restricted Working Space, Add</i>	88.64	
22 13 16 00-0039	EA		15" Bell And Spigot Cast Iron Long Sweep.....	3,217.73	274.39
			<i>For Extra Heavy Fittings, Add</i>	982.22	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	20.57	
			<i>For Work In Restricted Working Space, Add</i>	123.42	
<b>22 13 16 00-0040</b>			<b>Bell And Spigot Cast Iron Short Sweeps (22 13 16 00-0030)</b>		
22 13 16 00-0041	EA		2" Bell And Spigot Cast Iron Short Sweep.....	108.34	40.08
			<i>For Extra Heavy Fittings, Add</i>	16.90	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.00	
			<i>For Work In Restricted Working Space, Add</i>	18.02	
22 13 16 00-0042	EA		3" Bell And Spigot Cast Iron Short Sweep.....	179.53	50.41
			<i>For Extra Heavy Fittings, Add</i>	36.42	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.77	
			<i>For Work In Restricted Working Space, Add</i>	22.64	
22 13 16 00-0043	EA		4" Bell And Spigot Cast Iron Short Sweep.....	245.21	67.03
			<i>For Extra Heavy Fittings, Add</i>	50.66	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.02	
			<i>For Work In Restricted Working Space, Add</i>	30.14	
22 13 16 00-0044	EA		5" Bell And Spigot Cast Iron Short Sweep.....	363.88	75.80
			<i>For Extra Heavy Fittings, Add</i>	87.60	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.68	
			<i>For Work In Restricted Working Space, Add</i>	34.08	
22 13 16 00-0045	EA		6" Bell And Spigot Cast Iron Short Sweep.....	438.65	89.18
			<i>For Extra Heavy Fittings, Add</i>	106.74	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.68	
			<i>For Work In Restricted Working Space, Add</i>	40.10	
22 13 16 00-0046	EA		8" Bell And Spigot Cast Iron Short Sweep.....	713.04	114.77
			<i>For Extra Heavy Fittings, Add</i>	189.36	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.60	
			<i>For Work In Restricted Working Space, Add</i>	51.60	
22 13 16 00-0047	EA		10" Bell And Spigot Cast Iron Short Sweep.....	1,035.47	141.19
			<i>For Extra Heavy Fittings, Add</i>	288.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.59	
			<i>For Work In Restricted Working Space, Add</i>	63.51	
22 13 16 00-0048	EA		12" Bell And Spigot Cast Iron Short Sweep.....	1,706.57	197.06
			<i>For Extra Heavy Fittings, Add</i>	493.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.77	
			<i>For Work In Restricted Working Space, Add</i>	88.64	
<b>22 13 16 00-0049</b>			<b>Bell And Spigot Cast Iron 1/4 Bends (22 13 16 00-0030)</b>		
22 13 16 00-0050	EA		2" Bell And Spigot Cast Iron 1/4 Bend.....	98.49	39.93
			<i>For Extra Heavy Fittings, Add</i>	13.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.00	
			<i>For Work In Restricted Working Space, Add</i>	17.98	
22 13 16 00-0051	EA		3" Bell And Spigot Cast Iron 1/4 Bend.....	144.53	44.97
			<i>For Extra Heavy Fittings, Add</i>	26.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	3.37	
			<i>For Work In Restricted Working Space, Add</i>	20.24	
22 13 16 00-0052	EA		4" Bell And Spigot Cast Iron 1/4 Bend.....	205.47	59.91
			<i>For Extra Heavy Fittings, Add</i>	40.49	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	4.49	
			<i>For Work In Restricted Working Space, Add</i>	26.94	
22 13 16 00-0053	EA		5" Bell And Spigot Cast Iron 1/4 Bend.....	256.79	67.69
			<i>For Extra Heavy Fittings, Add</i>	54.38	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	5.07	
			<i>For Work In Restricted Working Space, Add</i>	30.43	
22 13 16 00-0054	EA		6" Bell And Spigot Cast Iron 1/4 Bend.....	308.79	81.07
			<i>For Extra Heavy Fittings, Add</i>	65.51	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	6.08	
			<i>For Work In Restricted Working Space, Add</i>	36.49	
22 13 16 00-0055	EA		8" Bell And Spigot Cast Iron 1/4 Bend.....	622.84	105.68
			<i>For Extra Heavy Fittings, Add</i>	162.55	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.92	
			<i>For Work In Restricted Working Space, Add</i>	47.52	
22 13 16 00-0056	EA		10" Bell And Spigot Cast Iron 1/4 Bend.....	910.84	128.25
			<i>For Extra Heavy Fittings, Add</i>	251.50	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.61	
			<i>For Work In Restricted Working Space, Add</i>	57.68	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0057	EA			12" Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,195.91 339.12 11.35 68.10	151.37
22 13 16 00-0058	EA			15" Bell And Spigot Cast Iron 1/4 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,014.62 929.86 17.89 107.37	238.75

**22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends** (22 13 16 00-0030)

22 13 16 00-0060	EA			2" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.84 10.78 3.00 18.02	40.08
22 13 16 00-0061	EA			3" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	139.02 22.24 3.77 22.64	50.41
22 13 16 00-0062	EA			4" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	196.86 33.74 5.02 30.14	67.03
22 13 16 00-0063	EA			5" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.50 42.54 6.35 38.09	84.72
22 13 16 00-0064	EA			6" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	286.42 50.66 7.08 42.50	94.45
22 13 16 00-0065	EA			8" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	551.97 126.76 9.49 56.94	126.60
22 13 16 00-0066	EA			10" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	766.17 186.18 11.71 70.27	156.19
22 13 16 00-0067	EA			12" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,224.06 322.16 15.18 91.08	202.56
22 13 16 00-0068	EA			15" Bell And Spigot Cast Iron 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,303.99 681.14 17.89 107.37	238.75

**22 13 16 00-0069 Bell And Spigot Cast Iron Wyes** (22 13 16 00-0030)

22 13 16 00-0070	EA			2" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	163.90 10.37 6.71 40.28	89.51
22 13 16 00-0071	EA			3" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	202.47 19.42 7.35 44.10	98.03
22 13 16 00-0072	EA			4" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	266.39 25.84 9.63 57.77	128.48
22 13 16 00-0073	EA			5" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	341.67 43.06 10.93 65.59	145.79
22 13 16 00-0074	EA			6" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	425.82 58.34 12.96 77.74	172.81
22 13 16 00-0075	EA			8" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	755.37 143.06 17.33 103.99	231.19
22 13 16 00-0076	EA			10" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,041.95 227.07 19.66 117.95	262.29
22 13 16 00-0077	EA			12" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,522.37 365.31 23.93 143.59	319.25
22 13 16 00-0078	EA			15" Bell And Spigot Cast Iron Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,324.24 625.53 26.85 161.10	358.20

**22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes** (22 13 16 00-0030)

**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0080	EA		3" x 2" Bell And Spigot Cast Iron Reducing Wye	246.85	93.56
			<i>For Extra Heavy Fittings, Add</i>	37.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	7.02	
			<i>For Work In Restricted Working Space, Add</i>	42.10	
22 13 16 00-0081	EA		4" x 2" Bell And Spigot Cast Iron Reducing Wye	300.90	115.63
			<i>For Extra Heavy Fittings, Add</i>	44.61	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.67	
			<i>For Work In Restricted Working Space, Add</i>	52.03	
22 13 16 00-0082	EA		4" x 3" Bell And Spigot Cast Iron Reducing Wye	333.03	118.55
			<i>For Extra Heavy Fittings, Add</i>	54.31	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.89	
			<i>For Work In Restricted Working Space, Add</i>	53.36	
22 13 16 00-0083	EA		6" x 2" Bell And Spigot Cast Iron Reducing Wye	490.67	154.84
			<i>For Extra Heavy Fittings, Add</i>	90.52	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.60	
			<i>For Work In Restricted Working Space, Add</i>	69.61	
22 13 16 00-0084	EA		6" x 3" Bell And Spigot Cast Iron Reducing Wye	503.09	157.68
			<i>For Extra Heavy Fittings, Add</i>	93.32	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.82	
			<i>For Work In Restricted Working Space, Add</i>	70.94	
22 13 16 00-0085	EA		6" x 4" Bell And Spigot Cast Iron Reducing Wye	527.47	168.22
			<i>For Extra Heavy Fittings, Add</i>	96.34	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.61	
			<i>For Work In Restricted Working Space, Add</i>	75.67	
22 13 16 00-0086	EA		8" x 2" Bell And Spigot Cast Iron Reducing Wye	758.39	185.91
			<i>For Extra Heavy Fittings, Add</i>	167.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.94	
			<i>For Work In Restricted Working Space, Add</i>	83.61	
22 13 16 00-0087	EA		8" x 3" Bell And Spigot Cast Iron Reducing Wye	791.42	189.49
			<i>For Extra Heavy Fittings, Add</i>	177.59	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.20	
			<i>For Work In Restricted Working Space, Add</i>	85.21	
22 13 16 00-0088	EA		8" x 4" Bell And Spigot Cast Iron Reducing Wye	811.70	198.43
			<i>For Extra Heavy Fittings, Add</i>	179.96	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.88	
			<i>For Work In Restricted Working Space, Add</i>	89.26	
22 13 16 00-0089	EA		8" x 6" Bell And Spigot Cast Iron Reducing Wye	955.39	220.72
			<i>For Extra Heavy Fittings, Add</i>	218.54	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.55	
			<i>For Work In Restricted Working Space, Add</i>	99.30	
22 13 16 00-0090	EA		10" x 3" Bell And Spigot Cast Iron Reducing Wye	1,160.48	206.83
			<i>For Extra Heavy Fittings, Add</i>	297.63	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.51	
			<i>For Work In Restricted Working Space, Add</i>	93.03	
22 13 16 00-0091	EA		10" x 4" Bell And Spigot Cast Iron Reducing Wye	1,207.43	215.90
			<i>For Extra Heavy Fittings, Add</i>	309.27	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	16.19	
			<i>For Work In Restricted Working Space, Add</i>	97.14	
22 13 16 00-0092	EA		10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,321.58	238.75
			<i>For Extra Heavy Fittings, Add</i>	337.29	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	17.89	
			<i>For Work In Restricted Working Space, Add</i>	107.37	
22 13 16 00-0093	EA		10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,730.61	253.20
			<i>For Extra Heavy Fittings, Add</i>	472.85	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.98	
			<i>For Work In Restricted Working Space, Add</i>	113.88	
22 13 16 00-0094	EA		12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,779.26	253.20
			<i>For Extra Heavy Fittings, Add</i>	489.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.98	
			<i>For Work In Restricted Working Space, Add</i>	113.88	
22 13 16 00-0095	EA		12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,854.77	274.39
			<i>For Extra Heavy Fittings, Add</i>	505.18	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	20.57	
			<i>For Work In Restricted Working Space, Add</i>	123.42	
22 13 16 00-0096	EA		12" x 8" Bell And Spigot Cast Iron Reducing Wye	2,168.82	288.01
			<i>For Extra Heavy Fittings, Add</i>	607.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.59	
			<i>For Work In Restricted Working Space, Add</i>	129.51	
22 13 16 00-0097	EA		12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,622.00	296.54
			<i>For Extra Heavy Fittings, Add</i>	762.08	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.23	
			<i>For Work In Restricted Working Space, Add</i>	133.39	
22 13 16 00-0098	EA		15" x 4" Bell And Spigot Cast Iron Reducing Wye	4,278.90	279.62
			<i>For Extra Heavy Fittings, Add</i>	1,350.89	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	20.96	
			<i>For Work In Restricted Working Space, Add</i>	125.77	
22 13 16 00-0099	EA		15" x 6" Bell And Spigot Cast Iron Reducing Wye	4,468.63	302.60
			<i>For Extra Heavy Fittings, Add</i>	1,405.20	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.69	
			<i>For Work In Restricted Working Space, Add</i>	136.13	
22 13 16 00-0100	EA		15" x 8" Bell And Spigot Cast Iron Reducing Wye	4,562.03	315.67
			<i>For Extra Heavy Fittings, Add</i>	1,431.06	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	23.66	
			<i>For Work In Restricted Working Space, Add</i>	141.98	
22 13 16 00-0101	EA		15" x 10" Bell And Spigot Cast Iron Reducing Wye	4,669.15	326.41
			<i>For Extra Heavy Fittings, Add</i>	1,462.96	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	24.46	
			<i>For Work In Restricted Working Space, Add</i>	146.78	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0102 EA 15" x 12" Bell And Spigot Cast Iron Reducing Wye ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,790.06 1,495.29 25.89 155.34	345.40
<b>22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0104 EA 2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.58 14.81 6.71 40.28	89.51
22 13 16 00-0105 EA 3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.29 22.16 7.35 44.10	98.03
22 13 16 00-0106 EA 4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.00 30.60 9.63 57.77	128.48
22 13 16 00-0107 EA 5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	387.68 55.45 11.46 68.77	152.96
22 13 16 00-0108 EA 6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	484.99 70.22 14.22 85.31	189.71
22 13 16 00-0109 EA 8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	861.55 170.93 18.66 111.95	248.93
22 13 16 00-0110 EA 10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,234.36 260.78 24.46 146.78	326.41
22 13 16 00-0111 EA 12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,650.12 357.37 31.45 188.72	419.57
<b>22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0113 EA 3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.80 16.62 7.02 42.10	93.56
22 13 16 00-0114 EA 4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.63 30.52 8.67 52.03	115.63
22 13 16 00-0115 EA 4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	279.89 35.71 8.89 53.36	118.55
22 13 16 00-0116 EA 6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	414.46 63.85 11.60 69.61	154.84
22 13 16 00-0117 EA 6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	430.74 68.00 11.82 70.94	157.68
22 13 16 00-0118 EA 6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	456.88 71.63 12.61 75.67	168.22
22 13 16 00-0119 EA 8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	616.84 118.35 13.94 83.61	185.91
22 13 16 00-0120 EA 8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	635.67 118.35 14.88 89.26	198.43
22 13 16 00-0121 EA 8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	795.19 162.47 16.55 99.30	220.72
<b>22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes</b> <small>(22 13 16 00-0030)</small>		
22 13 16 00-0123 EA 2" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	277.52 40.95 8.03 48.16	107.11
22 13 16 00-0124 EA 3" Bell And Spigot Cast Iron Double Wye..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	398.82 68.75 10.12 60.72	135.03

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0125	EA		4" Bell And Spigot Cast Iron Double Wye .....	538.16	170.78
			<i>For Extra Heavy Fittings, Add</i>	98.71	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	12.81	
			<i>For Work In Restricted Working Space, Add</i>	76.84	
22 13 16 00-0126	EA		6" Bell And Spigot Cast Iron Double Wye .....	1,023.70	265.51
			<i>For Extra Heavy Fittings, Add</i>	218.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	19.90	
			<i>For Work In Restricted Working Space, Add</i>	119.42	
22 13 16 00-0127	EA		8" Bell And Spigot Cast Iron Double Wye .....	1,991.27	312.51
			<i>For Extra Heavy Fittings, Add</i>	532.99	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	23.42	
			<i>For Work In Restricted Working Space, Add</i>	140.54	
22 13 16 00-0128	EA		10" Bell And Spigot Cast Iron Double Wye .....	2,622.18	349.67
			<i>For Extra Heavy Fittings, Add</i>	734.28	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	26.21	
			<i>For Work In Restricted Working Space, Add</i>	157.27	
22 13 16 00-0129	EA		12" Bell And Spigot Cast Iron Double Wye .....	1,864.13	419.57
			<i>For Extra Heavy Fittings, Add</i>	432.27	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	31.45	
			<i>For Work In Restricted Working Space, Add</i>	188.72	
22 13 16 00-0130	EA		15" Bell And Spigot Cast Iron Double Wye .....	5,063.86	440.35
			<i>For Extra Heavy Fittings, Add</i>	1,541.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	33.03	
			<i>For Work In Restricted Working Space, Add</i>	198.16	
22 13 16 00-0131			<b>Bell And Spigot Cast Iron Reducing Double Wyes</b> (22 13 16 00-0030)		
22 13 16 00-0132	EA		3" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	258.97	126.66
			<i>For Extra Heavy Fittings, Add</i>	24.16	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	9.50	
			<i>For Work In Restricted Working Space, Add</i>	56.98	
22 13 16 00-0133	EA		4" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	300.53	145.51
			<i>For Extra Heavy Fittings, Add</i>	28.82	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	10.91	
			<i>For Work In Restricted Working Space, Add</i>	65.46	
22 13 16 00-0134	EA		4" x 3" Bell And Spigot Cast Iron Reducing Double Wye .....	324.31	152.63
			<i>For Extra Heavy Fittings, Add</i>	33.38	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	11.45	
			<i>For Work In Restricted Working Space, Add</i>	68.68	
22 13 16 00-0135	EA		6" x 2" Bell And Spigot Cast Iron Reducing Double Wye .....	418.45	184.17
			<i>For Extra Heavy Fittings, Add</i>	49.83	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	13.80	
			<i>For Work In Restricted Working Space, Add</i>	82.82	
22 13 16 00-0136	EA		6" x 3" Bell And Spigot Cast Iron Reducing Double Wye .....	442.52	191.19
			<i>For Extra Heavy Fittings, Add</i>	54.57	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	14.33	
			<i>For Work In Restricted Working Space, Add</i>	85.98	
22 13 16 00-0137	EA		6" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	506.17	208.49
			<i>For Extra Heavy Fittings, Add</i>	67.76	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	15.63	
			<i>For Work In Restricted Working Space, Add</i>	93.77	
22 13 16 00-0138	EA		8" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	790.81	240.82
			<i>For Extra Heavy Fittings, Add</i>	150.45	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	18.05	
			<i>For Work In Restricted Working Space, Add</i>	108.28	
22 13 16 00-0139	EA		8" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	867.27	284.99
			<i>For Extra Heavy Fittings, Add</i>	153.97	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	21.37	
			<i>For Work In Restricted Working Space, Add</i>	128.21	
22 13 16 00-0140	EA		10" x 4" Bell And Spigot Cast Iron Reducing Double Wye .....	842.74	257.60
			<i>For Extra Heavy Fittings, Add</i>	159.76	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	19.31	
			<i>For Work In Restricted Working Space, Add</i>	115.88	
22 13 16 00-0141	EA		10" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	982.79	302.60
			<i>For Extra Heavy Fittings, Add</i>	185.15	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	22.69	
			<i>For Work In Restricted Working Space, Add</i>	136.13	
22 13 16 00-0142	EA		10" x 8" Bell And Spigot Cast Iron Reducing Double Wye .....	1,199.92	329.84
			<i>For Extra Heavy Fittings, Add</i>	246.88	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	24.73	
			<i>For Work In Restricted Working Space, Add</i>	148.37	
22 13 16 00-0143	EA		12" x 6" Bell And Spigot Cast Iron Reducing Double Wye .....	1,225.76	337.41
			<i>For Extra Heavy Fittings, Add</i>	251.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	25.30	
			<i>For Work In Restricted Working Space, Add</i>	151.78	
22 13 16 00-0144	EA		12" x 8" Bell And Spigot Cast Iron Reducing Double Wye .....	1,550.26	367.14
			<i>For Extra Heavy Fittings, Add</i>	349.94	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	27.52	
			<i>For Work In Restricted Working Space, Add</i>	165.13	
22 13 16 00-0145			<b>Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0030)		
22 13 16 00-0146	EA		2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend .....	235.58	107.11
			<i>For Extra Heavy Fittings, Add</i>	26.27	
			<i>For Above Ground Cast Iron Pipe Installation, Add</i>	8.03	
			<i>For Work In Restricted Working Space, Add</i>	48.16	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	317.06 35.78 10.74 64.45	143.28
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	412.39 50.34 13.43 80.57	179.16
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	890.82 156.08 22.24 133.46	296.72
<b>22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0030)</b>				
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.21 41.53 9.63 57.77	128.48
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.69 52.32 10.91 65.46	145.51
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	412.44 59.38 12.14 72.83	161.99
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	807.94 166.62 16.59 99.56	221.32
<b>22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees (22 13 16 00-0030)</b>				
22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.90 20.48 6.72 40.32	89.65
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.42 25.00 7.35 44.10	98.03
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.70 56.90 9.01 54.04	120.10
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	491.68 101.29 10.11 60.68	134.85
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	589.82 121.56 12.13 72.76	161.74
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,231.12 320.05 15.84 95.01	211.23
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,834.57 506.91 19.31 115.88	257.60
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,716.14 791.83 22.69 136.13	302.60
<b>22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees (22 13 16 00-0030)</b>				
22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	252.39 39.22 7.02 42.10	93.56
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.53 46.98 8.21 49.29	109.62
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.46 51.51 8.21 49.29	109.62
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	473.42 84.48 11.60 69.61	154.84



**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0169	EA		6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	492.01 89.44 11.82 70.94	157.68
22 13 16 00-0170	EA		6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	533.01 98.28 12.61 75.67	168.22
22 13 16 00-0171	EA		8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	884.98 205.61 14.88 89.26	198.43
22 13 16 00-0172	EA		8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,103.79 270.48 16.55 99.30	220.72
<b>22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees (22 13 16 00-0030)</b>					
22 13 16 00-0174	EA		2" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	168.46 11.96 6.71 40.28	89.51
22 13 16 00-0175	EA		3" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.47 20.82 7.35 44.10	98.03
22 13 16 00-0176	EA		4" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	273.16 28.21 9.63 57.77	128.48
22 13 16 00-0177	EA		5" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	349.50 42.09 11.46 68.77	152.96
22 13 16 00-0178	EA		6" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	439.30 54.23 14.22 85.31	189.71
22 13 16 00-0179	EA		8" Bell And Spigot Cast Iron Vent Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	733.72 126.19 18.66 111.95	248.93
<b>22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees (22 13 16 00-0030)</b>					
22 13 16 00-0181	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.46 13.36 6.71 40.28	89.51
22 13 16 00-0182	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.16 15.11 7.35 44.10	98.03
22 13 16 00-0183	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Tee ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.76 18.62 9.63 57.77	128.48
<b>22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses (22 13 16 00-0030)</b>					
22 13 16 00-0185	EA		2" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	174.98 14.25 6.71 40.28	89.51
22 13 16 00-0186	EA		3" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.96 16.79 7.35 44.10	98.03
22 13 16 00-0187	EA		4" Bell And Spigot Cast Iron Tapped Sanitary Cross ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	257.83 22.84 9.63 57.77	128.48
<b>22 13 16 00-0188 Bell And Spigot Cast Iron Reducers (22 13 16 00-0030)</b>					
22 13 16 00-0189	EA		3" x 2" Bell And Spigot Cast Iron Reducer ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.09 7.56 3.77 22.64	50.41
22 13 16 00-0190	EA		4" x 2" Bell And Spigot Cast Iron Reducer ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.35 7.91 4.99 29.93	66.47
22 13 16 00-0191	EA		4" x 3" Bell And Spigot Cast Iron Reducer ..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.83 10.28 5.02 30.14	67.03

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0192	EA			6" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.51 14.93 6.14 36.85	81.88
22 13 16 00-0193	EA			6" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.42 16.79 6.22 37.34	82.96
22 13 16 00-0194	EA			6" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.69 17.76 6.35 38.09	84.72
22 13 16 00-0195	EA			8" x 2" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	224.55 32.78 6.54 39.27	87.28
22 13 16 00-0196	EA			8" x 3" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	255.35 33.12 8.04 48.21	107.20
22 13 16 00-0197	EA			8" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.07 34.01 8.25 49.47	109.95
22 13 16 00-0198	EA			8" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	270.97 34.64 8.60 51.60	114.77
22 13 16 00-0199	EA			10" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	334.76 49.57 9.66 57.94	128.81
22 13 16 00-0200	EA			10" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	352.82 52.48 10.14 60.86	135.27
22 13 16 00-0201	EA			10" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	375.20 57.22 10.59 63.51	141.19
22 13 16 00-0202	EA			12" x 4" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	460.57 80.93 11.47 68.81	153.02
22 13 16 00-0203	EA			12" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	515.79 86.55 13.43 80.55	179.03
22 13 16 00-0204	EA			12" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	560.42 89.12 15.29 91.74	203.93
22 13 16 00-0205	EA			12" x 10" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	616.83 92.63 17.61 105.65	234.90
22 13 16 00-0206	EA			15" x 6" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	788.08 152.57 17.61 105.65	234.90
22 13 16 00-0207	EA			15" x 8" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	839.34 160.91 18.98 113.88	253.20
22 13 16 00-0208	EA			15" x 10" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	874.84 166.08 20.02 120.10	266.96
22 13 16 00-0209	EA			15" x 12" Bell And Spigot Cast Iron Reducer..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	922.75 173.39 21.37 128.21	284.99
<b>22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps (22 13 16 00-0030)</b>						
22 13 16 00-0211	EA			2" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.00 12.93 3.00 18.02	40.08
22 13 16 00-0212	EA			3" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.24 18.82 3.77 22.64	50.41
22 13 16 00-0213	EA			4" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.77 26.36 5.02 30.14	67.03

**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0214	EA		5" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	275.06 56.51 5.68 34.08	75.80
22 13 16 00-0215	EA		6" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	366.19 81.38 6.68 40.10	89.18
22 13 16 00-0216	EA		8" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	792.71 217.25 8.60 51.60	114.77
22 13 16 00-0217	EA		10" Bell And Spigot Cast Iron P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	882.29 234.70 10.59 63.51	141.19
<b>22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps (22 13 16 00-0030)</b>					
22 13 16 00-0219	EA		2" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	111.04 17.85 3.00 18.02	40.08
22 13 16 00-0220	EA		3" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.82 28.47 3.77 22.64	50.41
22 13 16 00-0221	EA		4" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	227.06 44.31 5.02 30.14	67.03
22 13 16 00-0222	EA		5" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	369.50 84.89 6.35 38.09	84.72
22 13 16 00-0223	EA		6" Bell And Spigot Cast Iron Deep Seal P-Trap..... <i>For Extra Heavy Fittings, Add</i> <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	393.28 88.06 7.08 42.50	94.45
<b>22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent (22 13 16 00-0030)</b>					
22 13 16 00-0225	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	257.35 7.35 44.10	96.77
22 13 16 00-0226	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.78 9.63 57.77	127.22
22 13 16 00-0227	EA		5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	461.64 11.12 66.74	147.14
22 13 16 00-0228	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	896.08 12.61 75.67	166.74
22 13 16 00-0229	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,853.68 14.88 89.26	196.23
22 13 16 00-0230	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,091.24 16.55 99.30	218.93
<b>22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent (22 13 16 00-0030)</b>					
22 13 16 00-0232	EA		3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	331.33 10.12 60.72	133.64
22 13 16 00-0233	EA		4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	449.55 12.81 76.84	168.69
22 13 16 00-0234	EA		6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,003.98 15.63 93.77	206.05
22 13 16 00-0235	EA		6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,166.97 18.90 113.39	249.43
22 13 16 00-0236	EA		8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,080.08 18.05 108.28	237.93
22 13 16 00-0237	EA		8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,384.86 21.37 128.21	282.51
22 13 16 00-0238	EA		10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,490.20 24.73 148.37	326.00
22 13 16 00-0239	EA		12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,196.75 28.55 171.30	376.91

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0240	EA	15" x 12"		Bell And Spigot Cast Iron Running Trap With Double Vent..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	11,991.22 33.04 198.24	435.95
<b>22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings (22 13 16 00-0030)</b>						
22 13 16 00-0242	EA	2"		Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	191.79 3.00 17.97	
22 13 16 00-0243	EA	3"		Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	262.42 3.37 20.19	
22 13 16 00-0244	EA	4"		Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	304.76 4.51 27.05	
22 13 16 00-0245	EA	5"		Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	375.43 5.24 31.42	
22 13 16 00-0246	EA	6"		Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	455.83 6.33 37.96	
22 13 16 00-0247	EA	8"		Bell And Spigot Cast Iron Scission Joint Fitting..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	852.44 8.00 47.97	
<b>22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe (22 13 16 00-0019)</b>						
Note: For use when connecting pipe to an existing in-place system.						
22 13 16 00-0249	EA	2"		Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	16.68 0.83 5.00	
22 13 16 00-0250	EA	3"		Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	18.19 0.91 5.46	
22 13 16 00-0251	EA	4"		Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.75 1.14 6.83	
22 13 16 00-0252	EA	6"		Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.29 1.36 8.19	
22 13 16 00-0253	EA	8"		Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.40 1.82 10.92	
22 13 16 00-0254	EA	10"		Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.45 2.12 12.74	
22 13 16 00-0255	EA	12"		Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	50.04 2.50 15.01	
22 13 16 00-0256	EA	15"		Cut And Prepare Existing In-Place Cast Iron Pipe..... <i>For Above Ground Cast Iron Pipe Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.62 2.88 17.29	
<b>22 13 16 00-0257 Joint Material (22 13 16 00-0019)</b>						
Note: Labor costs are included in the installation costs for fittings.						
22 13 16 00-0258	LB			Lead (1 LB/Diameter Inch) Joint Material.....	7.77	
22 13 16 00-0259	LB			Oakum (1/8 LB/Diameter Inch) Joint Material.....	15.65	
22 13 16 00-0260	EA			2" Dual Tite Rubber Gasket.....	3.17	
22 13 16 00-0261	EA			3" Dual Tite Rubber Gasket.....	4.34	
22 13 16 00-0262	EA			4" Dual Tite Rubber Gasket.....	5.40	
22 13 16 00-0263	EA			6" Dual Tite Rubber Gasket.....	8.95	
22 13 16 00-0264	EA			8" Dual Tite Rubber Gasket.....	19.74	
22 13 16 00-0265	EA			10" Dual Tite Rubber Gasket.....	30.28	
22 13 16 00-0266	EA			12" Dual Tite Rubber Gasket.....	38.57	
22 13 16 00-0267	EA			15" Dual Tite Rubber Gasket.....	45.81	
<b>22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings (22 13 16)</b>						
Note: Service Weight. Excludes hangers.						
<b>22 13 16 00-0269 No Hub Cast Iron Pipe (22 13 16 00-0268)</b>						
Note: Excludes couplings.						
22 13 16 00-0270	LF	1-1/2"		No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.17 0.63 3.78	8.38
22 13 16 00-0271	LF	2"		No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	23.55 0.67 4.05	8.93
22 13 16 00-0272	LF	3"		No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.45 0.98 5.86	12.99
22 13 16 00-0273	LF	4"		No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.42 1.27 7.62	16.90
22 13 16 00-0274	LF	5"		No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.12 1.55 9.30	20.67

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0275	LF		6" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.84 1.69 10.13	22.56
22 13 16 00-0276	LF		8" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	98.13 2.42 14.52	32.34
22 13 16 00-0277	LF		10" No Hub Cast Iron Pipe..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.51 2.75 16.51	36.74
<b>22 13 16 00-0278</b>			<b>No Hub Cast Iron Fittings (22 13 16 00-0268)</b>		
<b>22 13 16 00-0279</b>			<b>No Hub Cast Iron Long Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0280	EA		1-1/2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.10 2.85 17.10	37.99
22 13 16 00-0281	EA		2" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.19 2.97 17.83	39.66
22 13 16 00-0282	EA		3" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	101.65 3.41 20.44	45.38
22 13 16 00-0283	EA		4" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.08 4.51 27.03	60.04
22 13 16 00-0284	EA		5" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.27 5.11 30.68	68.24
22 13 16 00-0285	EA		6" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.50 6.10 36.61	81.34
22 13 16 00-0286	EA		8" No Hub Cast Iron Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	453.82 7.86 47.18	104.85
<b>22 13 16 00-0287</b>			<b>No Hub Cast Iron Reducing Long Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0288	EA		3" x 2" No Hub Cast Iron Reducing Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.28 3.41 20.44	45.38
22 13 16 00-0289	EA		4" x 3" No Hub Cast Iron Reducing Long Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.72 4.51 27.03	60.04
<b>22 13 16 00-0290</b>			<b>No Hub Cast Iron Short Sweeps (22 13 16 00-0278)</b>		
22 13 16 00-0291	EA		2" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.63 2.97 17.83	39.66
22 13 16 00-0292	EA		3" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.25 3.41 20.44	45.38
22 13 16 00-0293	EA		4" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.77 4.51 27.03	60.04
22 13 16 00-0294	EA		5" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.14 5.11 30.68	68.24
22 13 16 00-0295	EA		6" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.02 6.10 36.61	81.34
22 13 16 00-0296	EA		8" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	413.07 7.86 47.18	104.85
22 13 16 00-0297	EA		10" No Hub Cast Iron Short Sweep..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	670.11 11.01 66.05	146.82
<b>22 13 16 00-0298</b>			<b>No Hub Cast Iron 1/4 Bends (22 13 16 00-0278)</b>		
22 13 16 00-0299	EA		1-1/2" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	73.44 2.85 17.10	37.99
22 13 16 00-0300	EA		2" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.81 2.97 17.83	39.66
22 13 16 00-0301	EA		3" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	91.05 3.41 20.44	45.38
22 13 16 00-0302	EA		4" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.07 4.51 27.03	60.04
22 13 16 00-0303	EA		5" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	178.12 5.11 30.68	68.24
22 13 16 00-0304	EA		6" No Hub Cast Iron 1/4 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.13 6.10 36.61	81.34



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0305 EA 8" No Hub Cast Iron 1/4 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	381.34 7.86 47.18	104.85
<b>22 13 16 00-0306 No Hub Cast Iron 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0307 EA 1-1/2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	69.91 2.85 17.10	37.99
22 13 16 00-0308 EA 2" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	72.63 2.97 17.83	39.66
22 13 16 00-0309 EA 3" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	86.94 3.41 20.44	45.38
22 13 16 00-0310 EA 4" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	114.84 4.51 27.03	60.04
22 13 16 00-0311 EA 6" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.47 6.65 39.90	88.67
22 13 16 00-0312 EA 8" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	324.84 8.73 52.37	116.47
22 13 16 00-0313 EA 10" No Hub Cast Iron 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	498.33 10.74 64.45	143.28
<b>22 13 16 00-0314 No Hub Cast Iron Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0315 EA 1-1/2" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.45 4.48 26.86	59.77
22 13 16 00-0316 EA 2" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.65 6.07 36.43	81.00
22 13 16 00-0317 EA 3" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.73 6.65 39.90	88.67
22 13 16 00-0318 EA 4" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	226.04 8.73 52.37	116.47
22 13 16 00-0319 EA 5" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	310.54 9.96 59.74	132.82
22 13 16 00-0320 EA 6" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	368.51 11.82 70.94	157.68
22 13 16 00-0321 EA 8" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	624.78 15.73 94.36	209.85
22 13 16 00-0322 EA 10" No Hub Cast Iron Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,021.26 17.47 104.85	233.10
<b>22 13 16 00-0323 No Hub Cast Iron Reducing Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0324 EA 3" x 1-1/2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.91 5.79 34.77	77.37
22 13 16 00-0325 EA 3" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.02 6.65 39.90	88.67
22 13 16 00-0326 EA 4" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.01 7.35 44.10	98.03
22 13 16 00-0327 EA 4" x 3" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	206.24 8.17 49.00	108.92
22 13 16 00-0328 EA 6" x 2" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	272.42 10.06 60.37	134.17
22 13 16 00-0329 EA 6" x 3" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.45 10.51 63.05	140.25
22 13 16 00-0330 EA 6" x 4" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	333.58 12.28 73.70	163.90
22 13 16 00-0331 EA 8" x 4" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	425.02 12.37 74.22	164.99
22 13 16 00-0332 EA 8" x 6" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	491.20 13.59 81.55	181.36
22 13 16 00-0333 EA 10" x 4" No Hub Cast Iron Reducing Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	754.28 14.49 86.91	193.20

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0334	EA		10" x 6" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	796.17 15.51 93.03	206.83
22 13 16 00-0335	EA		10" x 8" No Hub Cast Iron Reducing Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	914.80 16.55 99.32	220.86
<b>22 13 16 00-0336</b>			<b>No Hub Cast Iron Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0337	EA		1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	127.43 5.21 31.26	69.54
22 13 16 00-0338	EA		2" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.59 6.07 36.43	81.00
22 13 16 00-0339	EA		3" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	171.80 6.65 39.90	88.67
22 13 16 00-0340	EA		4" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	246.02 8.73 52.37	116.47
22 13 16 00-0341	EA		6" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	448.48 13.43 80.57	179.16
22 13 16 00-0342	EA		8" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	796.08 17.23 103.39	229.86
22 13 16 00-0343	EA		10" No Hub Cast Iron Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	934.98 20.83 124.98	277.89
<b>22 13 16 00-0344</b>			<b>No Hub Cast Iron Reducing Combination Wye And 1/8 Bends</b> (22 13 16 00-0278)		
22 13 16 00-0345	EA		2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.74 6.07 36.43	81.00
22 13 16 00-0346	EA		3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	161.56 6.65 39.90	88.67
22 13 16 00-0347	EA		4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.08 7.35 44.10	98.03
22 13 16 00-0348	EA		4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	213.09 8.17 49.00	108.92
22 13 16 00-0349	EA		6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	292.97 10.06 60.37	134.17
22 13 16 00-0350	EA		6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	326.36 10.51 63.05	140.25
22 13 16 00-0351	EA		6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	365.02 12.28 73.70	163.90
22 13 16 00-0352	EA		8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	483.79 12.37 74.22	164.99
22 13 16 00-0353	EA		8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	625.56 13.59 81.55	181.36
<b>22 13 16 00-0354</b>			<b>No Hub Cast Iron Double Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0355	EA		2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	183.35 7.55 45.29	100.68
22 13 16 00-0356	EA		3" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.45 9.19 55.12	122.61
22 13 16 00-0357	EA		4" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	323.81 10.05 60.28	134.06
22 13 16 00-0358	EA		6" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	509.64 14.90 89.37	198.75
22 13 16 00-0359	EA		8" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	973.73 20.02 120.10	266.96
<b>22 13 16 00-0360</b>			<b>No Hub Cast Iron Reducing Double Wyes</b> (22 13 16 00-0278)		
22 13 16 00-0361	EA		3" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	218.44 8.36 50.17	111.58
22 13 16 00-0362	EA		4" x 2" No Hub Cast Iron Double Wye..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	261.41 9.63 57.78	128.48

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0363	EA		4" x 3" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	287.59 10.50 63.00	140.06
	22 13 16 00-0364	EA		6" x 4" No Hub Cast Iron Double Wye ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	434.44 13.14 78.82	175.25
<b>22 13 16 00-0365</b>	<b>No Hub Cast Iron Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>					
	22 13 16 00-0366	EA		2" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.12 9.07 54.41	120.93
	22 13 16 00-0367	EA		3" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	288.83 10.05 60.28	134.06
	22 13 16 00-0368	EA		4" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	433.88 13.30 79.80	177.49
	22 13 16 00-0369	EA		6" No Hub Cast Iron Double Combination Wye And 1/8 Bend..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	606.73 20.54 123.22	273.99
<b>22 13 16 00-0370</b>	<b>No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends (22 13 16 00-0278)</b>					
	22 13 16 00-0371	EA		3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.87 7.80 46.81	104.03
	22 13 16 00-0372	EA		4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	257.23 9.07 54.41	120.93
	22 13 16 00-0373	EA		4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	308.35 9.90 59.42	132.11
<b>22 13 16 00-0374</b>	<b>No Hub Cast Iron Sanitary Tees (22 13 16 00-0278)</b>					
	22 13 16 00-0375	EA		1-1/2" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.61 4.39 26.35	58.51
	22 13 16 00-0376	EA		2" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	145.81 6.07 36.43	81.00
	22 13 16 00-0377	EA		3" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	162.13 6.65 39.90	88.67
	22 13 16 00-0378	EA		4" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	220.13 8.73 52.37	116.47
	22 13 16 00-0379	EA		5" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.77 9.96 59.74	132.82
	22 13 16 00-0380	EA		6" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	367.64 11.82 70.94	157.68
	22 13 16 00-0381	EA		8" No Hub Cast Iron Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	697.69 15.73 94.36	209.85
<b>22 13 16 00-0382</b>	<b>No Hub Cast Iron Reducing Sanitary Tees (22 13 16 00-0278)</b>					
	22 13 16 00-0383	EA		2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	123.42 4.95 29.71	66.05
	22 13 16 00-0384	EA		3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	142.93 5.79 34.77	77.37
	22 13 16 00-0385	EA		3" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	148.47 6.07 36.43	81.00
	22 13 16 00-0386	EA		3" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.38 6.07 36.43	81.00
	22 13 16 00-0387	EA		4" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	198.98 8.21 49.29	109.62
	22 13 16 00-0388	EA		4" x 3" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.76 8.21 49.29	109.62
	22 13 16 00-0389	EA		5" x 2" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.72 9.46 56.75	126.20
	22 13 16 00-0390	EA		5" x 3" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	279.16 9.46 56.75	126.20
	22 13 16 00-0391	EA		5" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.32 9.46 56.75	126.20

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0392	EA		6" x 4" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	290.88 9.85 59.12	131.47
22 13 16 00-0393	EA		8" x 6" No Hub Cast Iron Reducing Sanitary Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	550.78 13.26 79.58	176.96
<b>22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees (22 13 16 00-0278)</b>					
22 13 16 00-0395	EA		2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.88 2.97 17.83	39.66
22 13 16 00-0396	EA		3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.47 3.41 20.44	45.38
22 13 16 00-0397	EA		4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	120.10 4.51 27.03	60.04
<b>22 13 16 00-0398 No Hub Cast Iron Cleanout Tees (22 13 16 00-0278)</b>					
22 13 16 00-0399	EA		2" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	79.62 2.97 17.83	39.66
22 13 16 00-0400	EA		3" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.57 3.41 20.44	45.38
22 13 16 00-0401	EA		4" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.14 4.51 27.03	60.04
22 13 16 00-0402	EA		6" No Hub Cast Iron Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.28 6.65 39.90	88.67
<b>22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees (22 13 16 00-0278)</b>					
22 13 16 00-0404	EA		4" No Hub Cast Iron Single Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	337.44 8.73 52.37	116.47
22 13 16 00-0405	EA		4" No Hub Cast Iron Double Two-Way Cleanout Tee ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	416.57 13.27 79.60	176.93
<b>22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs (22 13 16 00-0278)</b>					
22 13 16 00-0407	EA		2" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	68.01 2.97 17.83	39.66
22 13 16 00-0408	EA		3" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.61 3.41 20.44	45.38
22 13 16 00-0409	EA		4" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	115.70 4.51 27.03	60.04
22 13 16 00-0410	EA		6" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.81 6.65 39.90	88.67
22 13 16 00-0411	EA		8" No Hub Cast Iron Cleanout Plug ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.25 8.73 52.37	116.47
<b>22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses (22 13 16 00-0278)</b>					
22 13 16 00-0413	EA		1-1/2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	146.77 5.87 35.21	78.21
22 13 16 00-0414	EA		2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.21 6.07 36.43	81.00
22 13 16 00-0415	EA		3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.91 6.65 39.90	88.67
22 13 16 00-0416	EA		4" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.37 8.73 52.37	116.47
<b>22 13 16 00-0417 No Hub Cast Iron Reducing Sanitary Crosses (22 13 16 00-0278)</b>					
22 13 16 00-0418	EA		3" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.07 7.80 46.80	104.03
22 13 16 00-0419	EA		4" x 2" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	234.15 8.03 48.18	107.11
22 13 16 00-0420	EA		4" x 3" No Hub Cast Iron Sanitary Cross ..... <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	256.39 8.38 50.28	111.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0421</b>		<b>No Hub Cast Iron Reducers</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0422	EA	3" x 2" No Hub Cast Iron Reducer	133.76	81.00	
		<i>For Below Ground Installation, Add</i>	6.07		
		<i>For Work In Restricted Working Space, Add</i>	36.43		
22 13 16 00-0423	EA	4" x 2" No Hub Cast Iron Reducer	183.11	109.62	
		<i>For Below Ground Installation, Add</i>	8.21		
		<i>For Work In Restricted Working Space, Add</i>	49.29		
22 13 16 00-0424	EA	4" x 3" No Hub Cast Iron Reducer	183.69	109.62	
		<i>For Below Ground Installation, Add</i>	8.21		
		<i>For Work In Restricted Working Space, Add</i>	49.29		
22 13 16 00-0425	EA	5" x 2" No Hub Cast Iron Reducer	216.78	126.20	
		<i>For Below Ground Installation, Add</i>	9.46		
		<i>For Work In Restricted Working Space, Add</i>	56.75		
22 13 16 00-0426	EA	5" x 3" No Hub Cast Iron Reducer	220.60	126.20	
		<i>For Below Ground Installation, Add</i>	9.46		
		<i>For Work In Restricted Working Space, Add</i>	56.75		
22 13 16 00-0427	EA	5" x 4" No Hub Cast Iron Reducer	222.12	126.20	
		<i>For Below Ground Installation, Add</i>	9.46		
		<i>For Work In Restricted Working Space, Add</i>	56.75		
22 13 16 00-0428	EA	6" x 3" No Hub Cast Iron Reducer	257.85	140.25	
		<i>For Below Ground Installation, Add</i>	10.51		
		<i>For Work In Restricted Working Space, Add</i>	63.05		
22 13 16 00-0429	EA	6" x 4" No Hub Cast Iron Reducer	258.43	140.25	
		<i>For Below Ground Installation, Add</i>	10.51		
		<i>For Work In Restricted Working Space, Add</i>	63.05		
22 13 16 00-0430	EA	6" x 5" No Hub Cast Iron Reducer	260.16	140.25	
		<i>For Below Ground Installation, Add</i>	10.51		
		<i>For Work In Restricted Working Space, Add</i>	63.05		
22 13 16 00-0431	EA	8" x 2" No Hub Cast Iron Reducer	357.11	195.82	
		<i>For Below Ground Installation, Add</i>	14.68		
		<i>For Work In Restricted Working Space, Add</i>	88.07		
22 13 16 00-0432	EA	8" x 3" No Hub Cast Iron Reducer	361.50	195.82	
		<i>For Below Ground Installation, Add</i>	14.68		
		<i>For Work In Restricted Working Space, Add</i>	88.07		
22 13 16 00-0433	EA	8" x 4" No Hub Cast Iron Reducer	368.57	195.82	
		<i>For Below Ground Installation, Add</i>	14.68		
		<i>For Work In Restricted Working Space, Add</i>	88.07		
22 13 16 00-0434	EA	8" x 5" No Hub Cast Iron Reducer	375.93	195.82	
		<i>For Below Ground Installation, Add</i>	14.68		
		<i>For Work In Restricted Working Space, Add</i>	88.07		
22 13 16 00-0435	EA	8" x 6" No Hub Cast Iron Reducer	376.79	195.82	
		<i>For Below Ground Installation, Add</i>	14.68		
		<i>For Work In Restricted Working Space, Add</i>	88.07		
22 13 16 00-0436	EA	10" x 4" No Hub Cast Iron Reducer	446.06	206.55	
		<i>For Below Ground Installation, Add</i>	15.48		
		<i>For Work In Restricted Working Space, Add</i>	92.88		
22 13 16 00-0437	EA	10" x 6" No Hub Cast Iron Reducer	476.27	215.63	
		<i>For Below Ground Installation, Add</i>	16.17		
		<i>For Work In Restricted Working Space, Add</i>	97.01		
22 13 16 00-0438	EA	10" x 8" No Hub Cast Iron Reducer	534.09	234.07	
		<i>For Below Ground Installation, Add</i>	17.55		
		<i>For Work In Restricted Working Space, Add</i>	105.27		
<b>22 13 16 00-0439</b>		<b>No Hub Cast Iron Blind Plugs</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0440	EA	1-1/2" No Hub Cast Iron Blind Plug	35.57	19.01	
		<i>For Below Ground Installation, Add</i>	1.43		
		<i>For Work In Restricted Working Space, Add</i>	8.55		
22 13 16 00-0441	EA	2" No Hub Cast Iron Blind Plug	36.50	19.83	
		<i>For Below Ground Installation, Add</i>	1.49		
		<i>For Work In Restricted Working Space, Add</i>	8.92		
22 13 16 00-0442	EA	3" No Hub Cast Iron Blind Plug	46.10	22.76	
		<i>For Below Ground Installation, Add</i>	1.70		
		<i>For Work In Restricted Working Space, Add</i>	10.22		
22 13 16 00-0443	EA	4" No Hub Cast Iron Blind Plug	61.16	30.02	
		<i>For Below Ground Installation, Add</i>	2.25		
		<i>For Work In Restricted Working Space, Add</i>	13.50		
22 13 16 00-0444	EA	5" No Hub Cast Iron Blind Plug	82.03	34.72	
		<i>For Below Ground Installation, Add</i>	2.60		
		<i>For Work In Restricted Working Space, Add</i>	15.61		
22 13 16 00-0445	EA	6" No Hub Cast Iron Blind Plug	91.36	40.67	
		<i>For Below Ground Installation, Add</i>	3.05		
		<i>For Work In Restricted Working Space, Add</i>	18.32		
22 13 16 00-0446	EA	8" No Hub Cast Iron Blind Plug	174.13	52.43	
		<i>For Below Ground Installation, Add</i>	3.93		
		<i>For Work In Restricted Working Space, Add</i>	23.57		
22 13 16 00-0447	EA	10" No Hub Cast Iron Blind Plug	222.01	56.42	
		<i>For Below Ground Installation, Add</i>	4.23		
		<i>For Work In Restricted Working Space, Add</i>	25.39		
<b>22 13 16 00-0448</b>		<b>No Hub Cast Iron P-Traps</b> <small>(22 13 16 00-0278)</small>			
22 13 16 00-0449	EA	2" No Hub Cast Iron P-Trap	84.45	39.66	
		<i>For Below Ground Installation, Add</i>	2.97		
		<i>For Work In Restricted Working Space, Add</i>	17.83		



**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0450	EA		3" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.16 3.41 20.44	45.38
22 13 16 00-0451	EA		4" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.19 4.51 27.03	60.04
22 13 16 00-0452	EA		5" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	329.79 5.15 30.92	68.77
22 13 16 00-0453	EA		6" No Hub Cast Iron P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	349.91 6.15 36.89	82.02
<b>22 13 16 00-0454</b>			<b>No Hub Cast Iron Deep Seal P-Traps</b> (22 13 16 00-0278)		
22 13 16 00-0455	EA		2" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.19 3.77 22.64	50.41
22 13 16 00-0456	EA		3" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.73 5.02 30.14	67.03
22 13 16 00-0457	EA		4" No Hub Cast Iron Deep Seal P-Trap <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	285.55 6.63 39.80	88.53
<b>22 13 16 00-0458</b>			<b>No Hub Cast Iron Closet Flanges</b> (22 13 16 00-0278)		
22 13 16 00-0459	EA		4" No Hub Cast Iron Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	129.76 4.51 27.03	60.04
22 13 16 00-0460	EA		4" x 2-1/2" No Hub Cast Iron Offset Closet Flange <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	138.00 4.51 27.03	60.04
<b>22 13 16 00-0461</b>			<b>No Hub Cast Iron Closet Bends</b> (22 13 16 00-0278)		
22 13 16 00-0462	EA		4" x 16" No Hub Cast Iron Closet Bend <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	245.37 4.51 27.03	60.04
<b>22 13 16 00-0463</b>			<b>No Hub Cast Iron Threaded Adapter</b> (22 13 16 00-0278)		
22 13 16 00-0464	EA		1-1/4" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.97 3.77 22.64	50.41
22 13 16 00-0465	EA		1-1/2" No Hub Cast Iron Threaded Adapter <i>For Below Ground Installation, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.61 3.77 22.64	50.41
<b>22 13 16 00-0466</b>			<b>No Hub Couplings</b> (22 13 16 00-0278) Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Femco NH). Labor costs are included in the installation costs for fittings.		
22 13 16 00-0467	EA		1-1/2" No Hub Coupling <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	10.35 1.35 2.79	
22 13 16 00-0468	EA		2" No Hub Coupling <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	10.35 1.35 2.79	
22 13 16 00-0469	EA		3" No Hub Coupling <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	12.29 1.60 3.32	
22 13 16 00-0470	EA		4" No Hub Coupling <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	14.59 1.90 3.94	
22 13 16 00-0471	EA		5" No Hub Coupling <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	33.73 4.38 9.11	
22 13 16 00-0472	EA		6" No Hub Coupling <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	37.07 4.82 10.01	
22 13 16 00-0473	EA		8" No Hub Coupling <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	69.83 9.08 18.85	
22 13 16 00-0474	EA		10" No Hub Coupling <i>For Medium Duty (Femco MD-2000), Add</i> <i>For Heavy Duty (Femco HD-4000), Add</i>	96.20 12.51 25.97	
22 13 16 00-0475	EA		2" x 1-1/2" No Hub Reducing Coupling	12.29	
22 13 16 00-0476	EA		3" x 2" No Hub Reducing Coupling	19.06	
22 13 16 00-0477	EA		4" x 2" No Hub Reducing Coupling	26.59	
22 13 16 00-0478	EA		4" x 3" No Hub Reducing Coupling	22.65	
<b>22 13 16 00-0479</b>			<b>Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts</b> (22 13 16 00-0278) Note: For underground connections. Labor costs are included in the installation costs for fittings. See CSI section 22 13 16 00-0870 for additional FERNCO couplings.		
22 13 16 00-0480	EA		1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	47.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 16 00-0481	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	49.04	
22 13 16 00-0482	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	51.49	
22 13 16 00-0483	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	60.07	
22 13 16 00-0484	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	113.40	
22 13 16 00-0485	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	155.70	
22 13 16 00-0486	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	272.78	
22 13 16 00-0487	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts.....	416.84	

**22 13 16 00-0488 Cut And Prepare Existing Pipe In-Place** (22 13 16 00-0268)  
 Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0489	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub.....	13.65	
		<i>For Work In Restricted Working Space, Add</i>	4.10	
22 13 16 00-0490	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub.....	16.68	
		<i>For Work In Restricted Working Space, Add</i>	5.00	
22 13 16 00-0491	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub.....	18.19	
		<i>For Work In Restricted Working Space, Add</i>	5.46	
22 13 16 00-0492	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub.....	22.75	
		<i>For Work In Restricted Working Space, Add</i>	6.83	
22 13 16 00-0493	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub.....	27.29	
		<i>For Work In Restricted Working Space, Add</i>	8.19	
22 13 16 00-0494	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub.....	36.40	
		<i>For Work In Restricted Working Space, Add</i>	10.92	
22 13 16 00-0495	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub.....	42.46	
		<i>For Work In Restricted Working Space, Add</i>	12.74	

**22 13 16 00-0496 Copper Drain-Waste-Vent (DWV) Pipe** (22 13 16)  
 See CSI section 22 11 16 00-0450 for copper and brass fittings.

22 13 16 00-0497	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe.....	18.04	6.56
22 13 16 00-0498	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe.....	21.27	7.33
22 13 16 00-0499	LF	2" Hard Drawn DWV Copper Tube/Pipe.....	27.19	9.04
22 13 16 00-0500	LF	3" Hard Drawn DWV Copper Tube/Pipe.....	61.33	12.52
22 13 16 00-0501	LF	4" Hard Drawn DWV Copper Tube/Pipe.....	82.33	14.13
22 13 16 00-0502	LF	5" Hard Drawn DWV Copper Tube/Pipe.....	150.37	16.23
22 13 16 00-0503	LF	6" Hard Drawn DWV Copper Tube/Pipe.....	216.46	25.15

**22 13 16 00-0504 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings** (22 13 16)  
 Note: Aboveground installation. See CSI section 33 31 11 00-0002 for underground installation.

**22 13 16 00-0505 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** (22 13 16 00-0504)

**22 13 16 00-0506 Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** (22 13 16 00-0505)

Note: Includes all fittings. Fittings are assumed every 20'. Excludes excavation, backfill and compaction. Not for use where detail is available. Not for use where detail is available.

22 13 16 00-0507	LF	1-1/2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	16.14	
		<i>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	3.27	
22 13 16 00-0508	LF	2" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	19.52	
		<i>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	3.98	
22 13 16 00-0509	LF	3" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	31.94	
		<i>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	5.63	
22 13 16 00-0510	LF	4" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	40.82	
		<i>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	6.20	
22 13 16 00-0511	LF	6" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	71.56	
		<i>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	7.98	
22 13 16 00-0512	LF	8" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	102.48	
		<i>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	10.67	
22 13 16 00-0513	LF	10" Underground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	148.54	
		<i>Note: Includes all fittings and couplings. Fittings are assumed every 20'. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	14.23	

**22 13 16 00-0514 Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies** (22 13 16 00-0505)

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0515	LF	1-1/2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	32.30	5.87
		<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	6.72	
22 13 16 00-0516	LF	2" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly.....	36.30	6.98
		<i>Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.</i>		
		<i>For Work In Restricted Working Space, Add</i>	7.47	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0517	LF		3" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	51.41 9.29	10.05
22 13 16 00-0518	LF		4" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	64.03 10.14	10.89
22 13 16 00-0519	LF		6" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	98.81 12.99	13.97
22 13 16 00-0520	LF		8" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	130.15 14.89	18.58
22 13 16 00-0521	LF		10" Aboveground Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly ..... Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	182.58 19.41	24.86
22 13 16 00-0522			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe</b> (22 13 16 00-0504) Note: Excludes fittings or hangers.		
22 13 16 00-0523			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665)</b> (22 13 16 00-0522) Note: Excludes fittings or hangers.		
22 13 16 00-0524	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	12.59 2.62	5.87
22 13 16 00-0525	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	15.53 3.14	6.98
22 13 16 00-0526	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	25.17 4.51	10.05
22 13 16 00-0527	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	30.63 4.89	10.89
22 13 16 00-0528	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	45.78 6.07	13.52
22 13 16 00-0529	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	65.79 8.11	17.97
22 13 16 00-0530	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	95.43 10.81	24.05
22 13 16 00-0531			<b>Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891)</b> (22 13 16 00-0522) Note: Excludes fittings or hangers.		
22 13 16 00-0532	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	11.43 2.62	5.87
22 13 16 00-0533	LF		2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	14.16 3.14	6.98
22 13 16 00-0534	LF		3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	22.58 4.51	10.05
22 13 16 00-0535	LF		4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	27.19 4.89	10.89
22 13 16 00-0536	LF		6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	39.37 6.07	13.52
22 13 16 00-0537	LF		8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	56.78 8.11	17.97
22 13 16 00-0538	LF		10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe ..... <i>For Work In Restricted Working Space, Add</i>	85.63 10.81	24.05
22 13 16 00-0539			<b>Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665)</b> (22 13 16 00-0504)		
22 13 16 00-0540			<b>Polyvinyl Chloride (PVC) DWV 1/4 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0541	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	42.52 10.47	23.33
22 13 16 00-0542	EA		2" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	54.34 13.40	29.75
22 13 16 00-0543	EA		3" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	90.05 18.01	39.93
22 13 16 00-0544	EA		4" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	133.52 20.95	46.50
22 13 16 00-0545	EA		6" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	478.31 27.23	60.47
22 13 16 00-0546	EA		8" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	786.02 36.66	81.41
22 13 16 00-0547	EA		10" Polyvinyl Chloride (PVC) DWV 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	1,038.12 48.87	108.50
22 13 16 00-0548			<b>Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends</b> (22 13 16 00-0539)		
22 13 16 00-0549	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	63.90 10.47	23.33
22 13 16 00-0550	EA		2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	66.64 13.40	29.75
22 13 16 00-0551	EA		3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends ..... <i>For Work In Restricted Working Space, Add</i>	121.68 18.01	39.93

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0552	EA		4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	191.50 20.95	46.50
	22 13 16 00-0553	EA		6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	366.32 27.23	60.47
	22 13 16 00-0554	EA		8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	638.84 36.66	81.41
	22 13 16 00-0555	EA		10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	1,035.48 48.87	108.50
<b>22 13 16 00-0556</b>				<b>Polyvinyl Chloride (PVC) DWV 1/8 Bends</b> (22 13 16 00-0539)		
	22 13 16 00-0557	EA		1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	44.28 10.47	23.33
	22 13 16 00-0558	EA		2" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	54.20 13.40	29.75
	22 13 16 00-0559	EA		3" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	87.42 18.01	39.93
	22 13 16 00-0560	EA		4" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	120.63 20.95	46.50
	22 13 16 00-0561	EA		6" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	445.51 27.23	60.47
	22 13 16 00-0562	EA		8" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	709.79 36.66	81.41
	22 13 16 00-0563	EA		10" Polyvinyl Chloride (PVC) DWV 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	813.89 48.87	108.50
<b>22 13 16 00-0564</b>				<b>Polyvinyl Chloride (PVC) DWV Sanitary Tees</b> (22 13 16 00-0539)		
	22 13 16 00-0565	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	65.99 15.71	34.91
	22 13 16 00-0566	EA		2" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	86.50 20.11	44.68
	22 13 16 00-0567	EA		3" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	141.91 27.02	60.04
	22 13 16 00-0568	EA		4" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	203.57 31.42	69.83
	22 13 16 00-0569	EA		6" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	710.98 40.85	90.63
	22 13 16 00-0570	EA		8" Polyvinyl Chloride (PVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	926.40 54.99	122.05
<b>22 13 16 00-0571</b>				<b>Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees</b> (22 13 16 00-0539)		
	22 13 16 00-0572	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	81.85 17.18	38.12
	22 13 16 00-0573	EA		2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	96.11 18.64	41.34
	22 13 16 00-0574	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	81.61 18.64	41.34
	22 13 16 00-0575	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	117.18 23.25	51.67
	22 13 16 00-0576	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	120.16 24.72	54.88
	22 13 16 00-0577	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	140.57 26.18	58.10
	22 13 16 00-0578	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	226.12 27.65	61.45
	22 13 16 00-0579	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	281.98 29.96	66.47
	22 13 16 00-0580	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	681.59 37.70	83.65
	22 13 16 00-0581	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	2,092.16 47.13	104.60
	22 13 16 00-0582	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	2,165.03 50.27	111.58
<b>22 13 16 00-0583</b>				<b>Polyvinyl Chloride (PVC) DWV Double Sanitary Tees</b> (22 13 16 00-0539)		
	22 13 16 00-0584	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	110.82 20.95	46.50
	22 13 16 00-0585	EA		2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	149.40 26.81	59.49
	22 13 16 00-0586	EA		3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	288.47 36.03	80.02
	22 13 16 00-0587	EA		4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	410.35 41.89	93.00
<b>22 13 16 00-0588</b>				<b>Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees</b> (22 13 16 00-0539)		
	22 13 16 00-0589	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	133.86 23.88	53.06
	22 13 16 00-0590	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	222.40 28.49	63.26
	22 13 16 00-0591	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	255.75 31.42	69.83
	22 13 16 00-0592	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	447.06 34.35	76.25

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0593	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	471.55 38.96	86.44
<b>22 13 16 00-0594</b>			<b>Polyvinyl Chloride (PVC) DWV Reducers</b> (22 13 16 00-0539)		
22 13 16 00-0595	EA		2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	55.03 11.94	26.53
22 13 16 00-0596	EA		3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	96.09 14.24	31.56
22 13 16 00-0597	EA		3" x 2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	93.07 15.71	34.91
22 13 16 00-0598	EA		4" x 2" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	137.77 17.18	38.12
22 13 16 00-0599	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	149.11 19.48	43.29
22 13 16 00-0600	EA		6" x 3" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	500.72 22.62	50.27
22 13 16 00-0601	EA		6" x 4" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	421.86 24.09	53.49
22 13 16 00-0602	EA		8" x 4" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	1,033.25 28.80	63.96
22 13 16 00-0603	EA		8" x 6" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	877.62 31.94	70.94
22 13 16 00-0604	EA		10" x 6" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	1,176.43 38.05	84.49
22 13 16 00-0605	EA		10" x 8" Polyvinyl Chloride (PVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	929.96 42.77	94.96
<b>22 13 16 00-0606</b>			<b>Polyvinyl Chloride (PVC) DWV P-Traps</b> (22 13 16 00-0539)		
22 13 16 00-0607	EA		1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	79.02 15.71	34.91
22 13 16 00-0608	EA		2" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	103.34 20.11	44.68
22 13 16 00-0609	EA		3" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	270.89 27.02	60.04
22 13 16 00-0610	EA		4" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	535.32 31.42	69.83
22 13 16 00-0611	EA		6" Polyvinyl Chloride (PVC) DWV P-Traps <i>For Work In Restricted Working Space, Add</i>	897.47 40.85	90.63
<b>22 13 16 00-0612</b>			<b>Polyvinyl Chloride (PVC) DWV Closet Flanges</b> (22 13 16 00-0539)		
22 13 16 00-0613	EA		4" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	120.93 20.95	46.50
22 13 16 00-0614	EA		4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges <i>For Work In Restricted Working Space, Add</i>	100.65 19.48	43.29
<b>22 13 16 00-0615</b>			<b>Polyvinyl Chloride (PVC) DWV Wyes</b> (22 13 16 00-0539)		
22 13 16 00-0616	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	79.60 15.71	34.91
22 13 16 00-0617	EA		2" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	94.41 20.11	44.68
22 13 16 00-0618	EA		3" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	152.01 27.02	60.04
22 13 16 00-0619	EA		4" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	220.11 31.42	69.83
22 13 16 00-0620	EA		6" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	648.90 40.85	90.63
22 13 16 00-0621	EA		8" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	808.48 54.99	122.05
22 13 16 00-0622	EA		10" Polyvinyl Chloride (PVC) DWV Wyes <i>For Work In Restricted Working Space, Add</i>	1,064.74 73.31	162.68
<b>22 13 16 00-0623</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Wyes</b> (22 13 16 00-0539)		
22 13 16 00-0624	EA		2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	105.86 17.18	38.12
22 13 16 00-0625	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	110.31 18.64	41.34
22 13 16 00-0626	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	153.17 23.25	51.67
22 13 16 00-0627	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	130.27 24.72	54.88
22 13 16 00-0628	EA		4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	207.42 26.18	58.10
22 13 16 00-0629	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	184.84 27.65	61.45
22 13 16 00-0630	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	208.04 29.96	66.47
22 13 16 00-0631	EA		6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	585.93 36.24	80.43
22 13 16 00-0632	EA		6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	720.59 37.70	83.65
22 13 16 00-0633	EA		8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes <i>For Work In Restricted Working Space, Add</i>	692.93 47.13	104.60



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0634	EA		8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	868.68 50.27	111.58
	22 13 16 00-0635	EA		10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	801.52 59.35	131.68
	22 13 16 00-0636	EA		10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	991.55 62.49	138.67
	22 13 16 00-0637	EA		10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,150.64 67.20	149.14
	<b>22 13 16 00-0638</b>			<b>Polyvinyl Chloride (PVC) DWV Double Wyes</b> (22 13 16 00-0539)		
	22 13 16 00-0639	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	127.81 20.95	46.50
	22 13 16 00-0640	EA		2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	163.89 26.81	59.49
	22 13 16 00-0641	EA		3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	312.63 36.03	80.02
	22 13 16 00-0642	EA		4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	529.96 41.89	93.00
	22 13 16 00-0643	EA		6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,065.52 54.46	120.93
	22 13 16 00-0644	EA		8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,242.03 73.31	162.83
	22 13 16 00-0645	EA		10" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,915.55 97.75	217.01
	<b>22 13 16 00-0646</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Wyes</b> (22 13 16 00-0539)		
	22 13 16 00-0647	EA		2" x 2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	147.68 23.88	53.06
	22 13 16 00-0648	EA		3" x 3" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	263.89 28.49	63.26
	22 13 16 00-0649	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	248.07 31.42	69.83
	22 13 16 00-0650	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	348.49 34.35	76.25
	22 13 16 00-0651	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	438.94 38.96	86.44
	22 13 16 00-0652	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	668.22 48.18	106.97
	22 13 16 00-0653	EA		8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	783.10 57.60	127.91
	22 13 16 00-0654	EA		8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	990.07 63.89	141.88
	22 13 16 00-0655	EA		10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,047.68 69.82	155.01
	22 13 16 00-0656	EA		10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,350.07 76.10	168.97
	22 13 16 00-0657	EA		10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	1,628.08 85.53	189.92
	<b>22 13 16 00-0658</b>			<b>Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
	22 13 16 00-0659	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	96.59 15.71	34.91
	22 13 16 00-0660	EA		2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	120.91 20.11	44.68
	22 13 16 00-0661	EA		3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	231.65 27.02	60.04
	22 13 16 00-0662	EA		4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	398.72 31.42	69.83
	<b>22 13 16 00-0663</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
	22 13 16 00-0664	EA		2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	173.70 18.64	41.34
	22 13 16 00-0665	EA		3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	271.32 23.25	51.67
	22 13 16 00-0666	EA		3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	203.53 24.72	54.88
	22 13 16 00-0667	EA		4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	361.65 27.65	61.45
	22 13 16 00-0668	EA		4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	391.74 29.96	66.47
	<b>22 13 16 00-0669</b>			<b>Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends</b> (22 13 16 00-0539)		
	22 13 16 00-0670	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	140.98 20.95	46.50
	22 13 16 00-0671	EA		2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	165.36 26.81	59.49
	22 13 16 00-0672	EA		3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	252.16 36.03	80.02
	22 13 16 00-0673	EA		4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	835.37 41.89	93.00

**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0674	EA		6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	2,707.39 54.46	120.93
<b>22 13 16 00-0675</b>			<b>Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0676	EA		2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	312.42 23.88	53.06
22 13 16 00-0677	EA		3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	499.19 31.42	69.83
22 13 16 00-0678	EA		4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	849.64 34.35	76.25
22 13 16 00-0679	EA		4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	773.23 38.96	86.44
22 13 16 00-0680	EA		6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	1,810.74 48.18	106.97
<b>22 13 16 00-0681</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0682	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	196.63 20.11	44.68
22 13 16 00-0683	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	337.67 27.02	60.04
22 13 16 00-0684	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	535.40 31.42	69.83
22 13 16 00-0685	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,387.53 40.85	90.63
22 13 16 00-0686	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	1,741.33 54.99	122.05
22 13 16 00-0687	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug <i>For Work In Restricted Working Space, Add</i>	2,310.97 73.31	162.68
<b>22 13 16 00-0688</b>			<b>Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0689	EA		1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	57.31 10.47	23.33
22 13 16 00-0690	EA		2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	80.84 13.40	29.75
22 13 16 00-0691	EA		3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	115.68 18.01	39.93
22 13 16 00-0692	EA		4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	200.57 20.95	46.50
22 13 16 00-0693	EA		6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	449.62 27.23	60.47
22 13 16 00-0694	EA		8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	997.21 36.66	81.41
22 13 16 00-0695	EA		10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug <i>For Work In Restricted Working Space, Add</i>	1,827.40 48.85	108.50
<b>22 13 16 00-0696</b>			<b>Polyvinyl Chloride (PVC) Couplings</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0697	EA		1-1/2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	41.55 10.47	23.33
22 13 16 00-0698	EA		2" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	52.15 13.40	29.75
22 13 16 00-0699	EA		3" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	79.12 18.01	39.93
22 13 16 00-0700	EA		4" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	101.19 20.95	46.50
22 13 16 00-0701	EA		6" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	263.85 27.23	60.47
22 13 16 00-0702	EA		8" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	622.18 36.66	81.41
22 13 16 00-0703	EA		10" Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	937.72 48.88	108.50
<b>22 13 16 00-0704</b>			<b>Polyvinyl Chloride (PVC) Male Adapters</b> <small>(22 13 16 00-0539)</small>		
22 13 16 00-0705	EA		1-1/2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	24.18 5.24	11.59
22 13 16 00-0706	EA		2" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	38.88 6.71	14.95
22 13 16 00-0707	EA		3" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	75.85 9.01	19.97
22 13 16 00-0708	EA		4" Polyvinyl Chloride (PVC) Male Adapters <i>For Work In Restricted Working Space, Add</i>	139.95 10.47	23.33
<b>22 13 16 00-0709</b>			<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe</b> <small>(22 13 16 00-0504)</small> Note: In place piping.		
22 13 16 00-0710	EA		1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	10.23	
22 13 16 00-0711	EA		2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	11.26	
22 13 16 00-0712	EA		3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	14.33	
22 13 16 00-0713	EA		4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	19.33	
22 13 16 00-0714	EA		6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	27.63	
22 13 16 00-0715	EA		8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	36.85	

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 16 00-0716 EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe.....	45.04	
	22 13 16 00-0717	<b>Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 13 16)</small> Note: Aboveground installation.		
	22 13 16 00-0718	<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies</b> <small>(22 13 16 00-0717)</small> Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.		
	22 13 16 00-0719 LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	34.89	5.87
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.03	
	22 13 16 00-0720 LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	38.77	6.98
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	8.90	
	22 13 16 00-0721 LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	53.36	10.05
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	11.05	
	22 13 16 00-0722 LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	61.65	10.89
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	12.27	
	22 13 16 00-0723 LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly.....	104.41	13.97
		Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	16.33	
	22 13 16 00-0724	<b>Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628)</b> <small>(22 13 16 00-0717)</small> Note: Excludes fittings or hangers.		
	22 13 16 00-0725 LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	12.14	5.87
		<i>For Work In Restricted Working Space, Add</i>	2.62	
	22 13 16 00-0726 LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	15.06	6.98
		<i>For Work In Restricted Working Space, Add</i>	3.14	
	22 13 16 00-0727 LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	24.51	10.05
		<i>For Work In Restricted Working Space, Add</i>	4.51	
	22 13 16 00-0728 LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	29.88	10.89
		<i>For Work In Restricted Working Space, Add</i>	4.89	
	22 13 16 00-0729 LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe.....	47.90	13.52
		<i>For Work In Restricted Working Space, Add</i>	6.07	
	22 13 16 00-0730	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661)</b> <small>(22 13 16 00-0717)</small>		
	22 13 16 00-0731	<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends</b> <small>(22 13 16 00-0730)</small>		
	22 13 16 00-0732 EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	49.45	23.33
		<i>For Work In Restricted Working Space, Add</i>	10.47	
	22 13 16 00-0733 EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	65.42	29.75
		<i>For Work In Restricted Working Space, Add</i>	13.40	
	22 13 16 00-0734 EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	124.05	39.93
		<i>For Work In Restricted Working Space, Add</i>	18.01	
	22 13 16 00-0735 EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	195.25	46.50
		<i>For Work In Restricted Working Space, Add</i>	20.95	
	22 13 16 00-0736 EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends.....	558.88	60.47
		<i>For Work In Restricted Working Space, Add</i>	27.23	
	22 13 16 00-0737	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends</b> <small>(22 13 16 00-0730)</small>		
	22 13 16 00-0738 EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends.....	69.56	23.33
		<i>For Work In Restricted Working Space, Add</i>	10.47	
	22 13 16 00-0739 EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends.....	85.08	29.75
		<i>For Work In Restricted Working Space, Add</i>	13.40	
	22 13 16 00-0740 EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends.....	172.85	39.93
		<i>For Work In Restricted Working Space, Add</i>	18.01	
	22 13 16 00-0741 EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends.....	292.34	46.50
		<i>For Work In Restricted Working Space, Add</i>	20.95	
	22 13 16 00-0742	<b>Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends</b> <small>(22 13 16 00-0730)</small>		
	22 13 16 00-0743 EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	52.18	23.33
		<i>For Work In Restricted Working Space, Add</i>	10.47	
	22 13 16 00-0744 EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	63.52	29.75
		<i>For Work In Restricted Working Space, Add</i>	13.40	
	22 13 16 00-0745 EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	114.04	39.93
		<i>For Work In Restricted Working Space, Add</i>	18.01	
	22 13 16 00-0746 EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	176.78	46.50
		<i>For Work In Restricted Working Space, Add</i>	20.95	
	22 13 16 00-0747 EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends.....	578.37	60.47
		<i>For Work In Restricted Working Space, Add</i>	27.23	

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0748			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees</b> (22 13 16 00-0730)		
22 13 16 00-0749	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	77.13	34.91
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 13 16 00-0750	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	104.25	44.68
			<i>For Work In Restricted Working Space, Add</i>	20.11	
22 13 16 00-0751	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	184.93	60.04
			<i>For Work In Restricted Working Space, Add</i>	27.02	
22 13 16 00-0752	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	286.98	69.83
			<i>For Work In Restricted Working Space, Add</i>	31.42	
22 13 16 00-0753	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees.....	1,123.99	90.63
			<i>For Work In Restricted Working Space, Add</i>	40.85	
22 13 16 00-0754			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees</b> (22 13 16 00-0730)		
22 13 16 00-0755	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	96.74	38.12
			<i>For Work In Restricted Working Space, Add</i>	17.18	
22 13 16 00-0756	EA		2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	117.59	41.34
			<i>For Work In Restricted Working Space, Add</i>	18.64	
22 13 16 00-0757	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	97.82	41.34
			<i>For Work In Restricted Working Space, Add</i>	18.64	
22 13 16 00-0758	EA		3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	149.95	51.67
			<i>For Work In Restricted Working Space, Add</i>	23.25	
22 13 16 00-0759	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	155.50	54.88
			<i>For Work In Restricted Working Space, Add</i>	24.72	
22 13 16 00-0760	EA		4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	349.95	58.10
			<i>For Work In Restricted Working Space, Add</i>	26.18	
22 13 16 00-0761	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	337.35	61.45
			<i>For Work In Restricted Working Space, Add</i>	27.65	
22 13 16 00-0762	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	387.37	66.47
			<i>For Work In Restricted Working Space, Add</i>	29.96	
22 13 16 00-0763	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees.....	1,230.14	83.65
			<i>For Work In Restricted Working Space, Add</i>	37.70	
22 13 16 00-0764			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees</b> (22 13 16 00-0730)		
22 13 16 00-0765	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	145.06	46.50
			<i>For Work In Restricted Working Space, Add</i>	20.95	
22 13 16 00-0766	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	199.13	59.49
			<i>For Work In Restricted Working Space, Add</i>	26.81	
22 13 16 00-0767	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	428.42	80.02
			<i>For Work In Restricted Working Space, Add</i>	36.03	
22 13 16 00-0768	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	633.80	93.00
			<i>For Work In Restricted Working Space, Add</i>	41.89	
22 13 16 00-0769			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees</b> (22 13 16 00-0730)		
22 13 16 00-0770	EA		2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	164.93	53.06
			<i>For Work In Restricted Working Space, Add</i>	23.88	
22 13 16 00-0771	EA		3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	252.10	63.26
			<i>For Work In Restricted Working Space, Add</i>	28.49	
22 13 16 00-0772	EA		3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	290.67	69.83
			<i>For Work In Restricted Working Space, Add</i>	31.42	
22 13 16 00-0773	EA		4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes.....	520.29	73.78
			<i>For Work In Restricted Working Space, Add</i>	33.24	
22 13 16 00-0774	EA		4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees.....	546.47	83.64
			<i>For Work In Restricted Working Space, Add</i>	37.70	
22 13 16 00-0775			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Wyes</b> (22 13 16 00-0730)		
22 13 16 00-0776	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	102.23	34.91
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 13 16 00-0777	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	118.22	44.68
			<i>For Work In Restricted Working Space, Add</i>	20.11	
22 13 16 00-0778	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	203.38	60.04
			<i>For Work In Restricted Working Space, Add</i>	27.02	
22 13 16 00-0779	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	315.82	69.83
			<i>For Work In Restricted Working Space, Add</i>	31.42	
22 13 16 00-0780	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes.....	910.70	90.63
			<i>For Work In Restricted Working Space, Add</i>	40.85	
22 13 16 00-0781			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes</b> (22 13 16 00-0730)		
22 13 16 00-0782	EA		2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	146.21	38.12
			<i>For Work In Restricted Working Space, Add</i>	17.18	
22 13 16 00-0783	EA		2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	150.19	41.34
			<i>For Work In Restricted Working Space, Add</i>	18.64	
22 13 16 00-0784	EA		3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	170.44	54.88
			<i>For Work In Restricted Working Space, Add</i>	24.72	
22 13 16 00-0785	EA		4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	261.76	61.45
			<i>For Work In Restricted Working Space, Add</i>	27.65	
22 13 16 00-0786	EA		4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	297.99	66.47
			<i>For Work In Restricted Working Space, Add</i>	29.96	
22 13 16 00-0787	EA		6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes.....	765.61	83.65
			<i>For Work In Restricted Working Space, Add</i>	37.70	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 13 16 00-0788</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0789	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	175.87 20.95	46.50
22 13 16 00-0790	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	225.77 26.81	59.49
22 13 16 00-0791	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	472.72 36.03	80.02
22 13 16 00-0792	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	853.95 41.89	93.00
<b>22 13 16 00-0793</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0794	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	204.18 23.88	53.06
22 13 16 00-0795	EA 3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	343.69 28.49	63.26
22 13 16 00-0796	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	366.53 31.42	69.83
22 13 16 00-0797	EA 4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	542.78 34.35	76.25
22 13 16 00-0798	EA 4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes ..... <i>For Work In Restricted Working Space, Add</i>	695.57 38.96	86.44
<b>22 13 16 00-0799</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0800	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	132.01 15.71	34.91
22 13 16 00-0801	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	170.53 20.11	44.68
22 13 16 00-0802	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	260.62 27.02	60.04
22 13 16 00-0803	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	436.12 30.40	67.56
<b>22 13 16 00-0804</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0805	EA 2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	145.96 18.64	41.34
22 13 16 00-0806	EA 3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	275.97 23.25	51.67
22 13 16 00-0807	EA 3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	206.42 24.72	54.88
22 13 16 00-0808	EA 4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	368.43 27.65	61.45
22 13 16 00-0809	EA 4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends ..... <i>For Work In Restricted Working Space, Add</i>	399.01 29.96	66.47
<b>22 13 16 00-0810</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0811	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	276.75 26.81	59.49
22 13 16 00-0812	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	552.27 36.03	80.02
<b>22 13 16 00-0813</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0814	EA 2" x 2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	230.39 23.88	53.06
22 13 16 00-0815	EA 3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends..... <i>For Work In Restricted Working Space, Add</i>	529.54 31.42	69.83
<b>22 13 16 00-0816</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0817	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	146.04 15.71	34.91
22 13 16 00-0818	EA 2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	184.56 20.11	44.68
22 13 16 00-0819	EA 3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	291.97 27.02	60.04
22 13 16 00-0820	EA 4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug ..... <i>For Work In Restricted Working Space, Add</i>	482.13 31.42	69.83
<b>22 13 16 00-0821</b>	<b>Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug</b> <small>(22 13 16 00-0730)</small>		
22 13 16 00-0822	EA 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	67.02 10.47	23.33



**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0823	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	96.51	29.75
			<i>For Work In Restricted Working Space, Add</i>	13.40	
22 13 16 00-0824	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	139.68	39.93
			<i>For Work In Restricted Working Space, Add</i>	18.01	
22 13 16 00-0825	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	257.33	46.50
			<i>For Work In Restricted Working Space, Add</i>	20.95	
22 13 16 00-0826	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug.....	605.52	60.47
			<i>For Work In Restricted Working Space, Add</i>	27.23	
<b>22 13 16 00-0827</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Couplings</b> (22 13 16 00-0730)		
22 13 16 00-0828	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	45.98	23.33
			<i>For Work In Restricted Working Space, Add</i>	10.47	
22 13 16 00-0829	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	56.35	29.75
			<i>For Work In Restricted Working Space, Add</i>	13.40	
22 13 16 00-0830	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	91.79	39.93
			<i>For Work In Restricted Working Space, Add</i>	18.01	
22 13 16 00-0831	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	122.17	46.50
			<i>For Work In Restricted Working Space, Add</i>	20.95	
22 13 16 00-0832	EA		6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings.....	349.48	60.47
			<i>For Work In Restricted Working Space, Add</i>	27.23	
<b>22 13 16 00-0833</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Reducers</b> (22 13 16 00-0730)		
22 13 16 00-0834	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	67.86	26.53
			<i>For Work In Restricted Working Space, Add</i>	11.94	
22 13 16 00-0835	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	136.44	31.56
			<i>For Work In Restricted Working Space, Add</i>	14.24	
22 13 16 00-0836	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	126.96	34.91
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 13 16 00-0837	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	204.38	38.12
			<i>For Work In Restricted Working Space, Add</i>	17.18	
22 13 16 00-0838	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers.....	218.87	43.29
			<i>For Work In Restricted Working Space, Add</i>	19.48	
<b>22 13 16 00-0839</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps</b> (22 13 16 00-0730)		
22 13 16 00-0840	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	106.77	34.91
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 13 16 00-0841	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	155.08	44.68
			<i>For Work In Restricted Working Space, Add</i>	20.11	
22 13 16 00-0842	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	493.38	60.04
			<i>For Work In Restricted Working Space, Add</i>	27.02	
22 13 16 00-0843	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps.....	930.99	69.83
			<i>For Work In Restricted Working Space, Add</i>	31.42	
<b>22 13 16 00-0844</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges</b> (22 13 16 00-0730)		
22 13 16 00-0845	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	145.78	46.50
			<i>For Work In Restricted Working Space, Add</i>	20.95	
22 13 16 00-0846	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges.....	136.17	43.29
			<i>For Work In Restricted Working Space, Add</i>	19.48	
<b>22 13 16 00-0847</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters</b> (22 13 16 00-0730)		
22 13 16 00-0848	EA		1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	31.58	11.59
			<i>For Work In Restricted Working Space, Add</i>	5.24	
22 13 16 00-0849	EA		2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	47.39	14.95
			<i>For Work In Restricted Working Space, Add</i>	6.71	
22 13 16 00-0850	EA		3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	102.95	19.97
			<i>For Work In Restricted Working Space, Add</i>	9.01	
22 13 16 00-0851	EA		4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters.....	196.25	23.33
			<i>For Work In Restricted Working Space, Add</i>	10.47	
<b>22 13 16 00-0852</b>			<b>Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings</b> (22 13 16 00-0730)		
22 13 16 00-0853	EA		2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	51.47	26.53
			<i>For Work In Restricted Working Space, Add</i>	11.94	
22 13 16 00-0854	EA		3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	110.43	31.56
			<i>For Work In Restricted Working Space, Add</i>	14.24	
22 13 16 00-0855	EA		3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	92.37	34.91
			<i>For Work In Restricted Working Space, Add</i>	15.71	
22 13 16 00-0856	EA		4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	202.36	38.12
			<i>For Work In Restricted Working Space, Add</i>	17.18	
22 13 16 00-0857	EA		4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	149.02	43.29
			<i>For Work In Restricted Working Space, Add</i>	19.48	
22 13 16 00-0858	EA		6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing.....	407.42	51.75
			<i>For Work In Restricted Working Space, Add</i>	23.31	
<b>22 13 16 00-0859</b>			<b>Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings</b> (22 13 16 00-0730)		
22 13 16 00-0860	EA		1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	144.72	23.33
			<i>For Work In Restricted Working Space, Add</i>	10.47	
22 13 16 00-0861	EA		2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling.....	161.81	29.75
			<i>For Work In Restricted Working Space, Add</i>	13.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0862	EA		3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling ..... <i>For Work In Restricted Working Space, Add</i>	184.49 18.01	39.93
22 13 16 00-0863	EA		4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling ..... <i>For Work In Restricted Working Space, Add</i>	201.60 20.95	46.50
<b>22 13 16 00-0864</b>			<b>Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe</b> <small>(22 13 16 00-0717)</small> Note: In place piping.		
22 13 16 00-0865	EA		1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....	10.23	
22 13 16 00-0866	EA		2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....	11.26	
22 13 16 00-0867	EA		3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....	14.33	
22 13 16 00-0868	EA		4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....	19.33	
22 13 16 00-0869	EA		6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe .....	27.63	
<b>22 13 16 00-0870</b>			<b>Elastomeric Flexible Pipe Couplings</b> <small>(22 13 16)</small>		
<b>22 13 16 00-0871</b>			<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings</b> <small>(22 13 16 00-0870)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA		1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125) ..... <i>For Work In Restricted Working Space, Add</i>	16.34 3.64	6.07
22 13 16 00-0873	EA		1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) ..... <i>For Work In Restricted Working Space, Add</i>	17.55 3.87	6.44
22 13 16 00-0874	EA		2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) ..... <i>For Work In Restricted Working Space, Add</i>	18.48 4.10	6.82
22 13 16 00-0875	EA		3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) ..... <i>For Work In Restricted Working Space, Add</i>	20.93 4.32	7.21
22 13 16 00-0876	EA		4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) ..... <i>For Work In Restricted Working Space, Add</i>	23.33 4.55	7.58
22 13 16 00-0877	EA		5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) ..... <i>For Work In Restricted Working Space, Add</i>	28.73 4.78	7.96
22 13 16 00-0878	EA		6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) ..... <i>For Work In Restricted Working Space, Add</i>	34.16 5.00	8.34
22 13 16 00-0879	EA		8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) ..... <i>For Work In Restricted Working Space, Add</i>	45.08 5.46	9.10
22 13 16 00-0880	EA		10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) ..... <i>For Work In Restricted Working Space, Add</i>	58.61 6.37	10.61
<b>22 13 16 00-0881</b>			<b>Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings</b> <small>(22 13 16 00-0870)</small> Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0882	EA		1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125) ..... <i>For Work In Restricted Working Space, Add</i>	17.38 3.87	6.44
22 13 16 00-0883	EA		2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215) ..... <i>For Work In Restricted Working Space, Add</i>	18.76 4.10	6.82
22 13 16 00-0884	EA		3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315) ..... <i>For Work In Restricted Working Space, Add</i>	22.28 4.32	7.21
22 13 16 00-0885	EA		3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32) ..... <i>For Work In Restricted Working Space, Add</i>	20.44 4.32	7.21
22 13 16 00-0886	EA		4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415) ..... <i>For Work In Restricted Working Space, Add</i>	26.65 4.55	7.58
22 13 16 00-0887	EA		4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42) ..... <i>For Work In Restricted Working Space, Add</i>	25.71 4.55	7.58
22 13 16 00-0888	EA		4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43) ..... <i>For Work In Restricted Working Space, Add</i>	23.96 4.55	7.58
22 13 16 00-0889	EA		5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53) ..... <i>For Work In Restricted Working Space, Add</i>	32.83 4.78	7.96
22 13 16 00-0890	EA		5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54) ..... <i>For Work In Restricted Working Space, Add</i>	30.16 4.78	7.96
22 13 16 00-0891	EA		6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63) ..... <i>For Work In Restricted Working Space, Add</i>	39.68 5.00	8.34
22 13 16 00-0892	EA		6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64) ..... <i>For Work In Restricted Working Space, Add</i>	35.68 5.00	8.34
22 13 16 00-0893	EA		6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65) ..... <i>For Work In Restricted Working Space, Add</i>	36.80 5.00	8.34
22 13 16 00-0894	EA		8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84) ..... <i>For Work In Restricted Working Space, Add</i>	71.48 9.10	15.16
22 13 16 00-0895	EA		8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86) ..... <i>For Work In Restricted Working Space, Add</i>	60.39 9.10	15.16
22 13 16 00-0896	EA		10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8) ..... <i>For Work In Restricted Working Space, Add</i>	75.06 10.24	17.06
<b>22 13 16 00-0897</b>			<b>Elastomeric Flexible Pipe Caps (Fernco QC)</b> <small>(22 13 16)</small> Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.		
22 13 16 00-0898	EA		1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101).....	65.12	40.94
22 13 16 00-0899	EA		2" Elastomeric Flexible Pipe Cap (Fernco QC-102).....	69.66	43.52
22 13 16 00-0900	EA		3" Elastomeric Flexible Pipe Cap (Fernco QC-103).....	80.45	49.89
22 13 16 00-0901	EA		4" Elastomeric Flexible Pipe Cap (Fernco QC-104).....	106.26	65.96
22 13 16 00-0902	EA		5" Elastomeric Flexible Pipe Cap (Fernco QC-105).....	127.22	78.85
22 13 16 00-0903	EA		6" Elastomeric Flexible Pipe Cap (Fernco QC-106).....	147.21	90.98
22 13 16 00-0904	EA		8" Elastomeric Flexible Pipe Cap (Fernco QC-108).....	194.57	115.24

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0905	EA		10" Elastomeric Flexible Pipe Cap (Femco QC-110).....	233.95	128.89
22 13 16 00-0906	EA		12" Elastomeric Flexible Pipe Cap (Femco QC-112).....	287.43	143.29
<b>22 13 16 00-0907</b>			<b>Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) <sup>(22 13 16)</sup></b>		
22 13 16 00-0908	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess .....	112.66	31.42
22 13 16 00-0909	EA		2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	119.65	34.91
22 13 16 00-0910	EA		3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	176.18	45.38
22 13 16 00-0911	EA		4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	206.17	52.37
22 13 16 00-0912	EA		5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	239.69	59.35
22 13 16 00-0913	EA		6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess.....	388.88	66.34
<b>22 13 16 00-0914</b>			<b>Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) <sup>(22 13 16)</sup></b>		
22 13 16 00-0915	EA		1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	218.35	31.42
22 13 16 00-0916	EA		2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	225.34	34.91
22 13 16 00-0917	EA		3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	269.53	45.38
22 13 16 00-0918	EA		4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	335.32	52.37
22 13 16 00-0919	EA		5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	452.96	59.35
22 13 16 00-0920	EA		6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess .....	466.92	66.34
<b>22 13 16 00-0921</b>			<b>Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) <sup>(22 13 16)</sup></b>		
			Note: Includes counterflashing collar, deep protective hood and recessed securing screws.		
22 13 16 00-0922	EA		1-1/2" Cast Iron Vandal Proof Hooded Vent Cap .....	404.22	31.42
22 13 16 00-0923	EA		2" Cast Iron Vandal Proof Hooded Vent Cap.....	411.21	34.91
22 13 16 00-0924	EA		3" Cast Iron Vandal Proof Hooded Vent Cap.....	474.82	45.38
22 13 16 00-0925	EA		4" Cast Iron Vandal Proof Hooded Vent Cap.....	535.01	52.37
22 13 16 00-0926	EA		5" Cast Iron Vandal Proof Hooded Vent Cap.....	623.67	59.35
22 13 16 00-0927	EA		6" Cast Iron Vandal Proof Hooded Vent Cap.....	682.08	66.34
<b>22 13 19 Sanitary Waste Piping Specialties <sup>(22 13)</sup></b>					
<b>22 13 19 13 Sanitary Drains <sup>(22 13 19)</sup></b>					
<b>22 13 19 13-0001 Round Top Floor Drains <sup>(22 13 19 13)</sup></b>					
22 13 19 13-0002	EA		Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet.....	873.67	150.12
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0003	EA		Bronze Top, 6" Round Top Floor Drain With 2" Outlet.....	961.24	168.27
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0004	EA		Bronze Top, 6" Round Top Floor Drain With 3" Outlet.....	945.87	186.15
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0005	EA		Bronze Top, 6" Round Top Floor Drain With 4" Outlet.....	984.20	205.42
			<i>For Sediment Bucket, Add</i>	22.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	105.00	
			<i>For Vandal Proof Screws, Add</i>	11.00	
22 13 19 13-0006	EA		Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet.....	883.54	168.27
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0007	EA		Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet.....	919.44	186.15
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0008	EA		Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet.....	957.77	205.42
			<i>For Ductile Iron Grate, Add</i>	48.00	
			<i>For Cast Iron Dome Grate, Add</i>	17.00	
			<i>For Nikaloy Dome Grate, Add</i>	178.50	
			<i>For Bronze Dome Grate, Add</i>	143.00	
			<i>For Cast Iron Extension Collar, Each 3", Add</i>	57.50	
			<i>For Galvanized Extension Collar, Each 3", Add</i>	117.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0009	EA			Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet .....	1,427.95	168.27
				For Ductile Iron Grate, Add	48.00	
				For Cast Iron Dome Grate, Add	17.00	
				For Nikaloy Dome Grate, Add	178.50	
				For Bronze Dome Grate, Add	143.00	
				For Cast Iron Extension Collar, Each 3", Add	57.50	
				For Galvanized Extension Collar, Each 3", Add	117.50	
				For Galvanized Cast Iron Parts, Add	87.50	
				For Vandal Proof Screws, Add	30.50	
22 13 19 13-0010	EA			Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet .....	1,463.85	186.15
				For Ductile Iron Grate, Add	48.00	
				For Cast Iron Dome Grate, Add	17.00	
				For Nikaloy Dome Grate, Add	178.50	
				For Bronze Dome Grate, Add	143.00	
				For Cast Iron Extension Collar, Each 3", Add	57.50	
				For Galvanized Extension Collar, Each 3", Add	117.50	
				For Galvanized Cast Iron Parts, Add	87.50	
				For Vandal Proof Screws, Add	30.50	
22 13 19 13-0011	EA			Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet .....	1,502.18	205.42
				For Ductile Iron Grate, Add	48.00	
				For Cast Iron Dome Grate, Add	17.00	
				For Nikaloy Dome Grate, Add	178.50	
				For Bronze Dome Grate, Add	143.00	
				For Cast Iron Extension Collar, Each 3", Add	57.50	
				For Galvanized Extension Collar, Each 3", Add	117.50	
				For Galvanized Cast Iron Parts, Add	87.50	
				For Vandal Proof Screws, Add	30.50	
22 13 19 13-0012	EA			Bronze Top, 9" Round Top Floor Drain With 2" Outlet.....	1,348.66	168.27
				For Ductile Iron Grate, Add	48.00	
				For Cast Iron Dome Grate, Add	17.00	
				For Nikaloy Dome Grate, Add	178.50	
				For Bronze Dome Grate, Add	143.00	
				For Cast Iron Extension Collar, Each 3", Add	57.50	
				For Galvanized Extension Collar, Each 3", Add	117.50	
				For Galvanized Cast Iron Parts, Add	87.50	
				For Vandal Proof Screws, Add	30.50	
22 13 19 13-0013	EA			Bronze Top, 9" Round Top Floor Drain With 3" Outlet.....	1,384.36	186.15
				For Ductile Iron Grate, Add	48.00	
				For Cast Iron Dome Grate, Add	17.00	
				For Nikaloy Dome Grate, Add	178.50	
				For Bronze Dome Grate, Add	143.00	
				For Cast Iron Extension Collar, Each 3", Add	57.50	
				For Galvanized Extension Collar, Each 3", Add	117.50	
				For Galvanized Cast Iron Parts, Add	87.50	
				For Vandal Proof Screws, Add	30.50	
22 13 19 13-0014	EA			Bronze Top, 9" Round Top Floor Drain With 4" Outlet.....	1,422.89	205.42
				For Ductile Iron Grate, Add	48.00	
				For Cast Iron Dome Grate, Add	17.00	
				For Nikaloy Dome Grate, Add	178.50	
				For Bronze Dome Grate, Add	143.00	
				For Cast Iron Extension Collar, Each 3", Add	57.50	
				For Galvanized Extension Collar, Each 3", Add	117.50	
				For Galvanized Cast Iron Parts, Add	87.50	
				For Vandal Proof Screws, Add	30.50	
22 13 19 13-0015	EA			Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet .....	1,475.36	168.13
				For Ductile Iron Grate, Add	53.00	
				For Cast Iron Dome Grate, Add	28.00	
				For Nikaloy Dome Grate, Add	255.00	
				For Cast Iron Extension Collar, Each 2", Add	51.00	
				For Galvanized Extension Collar, Each 2", Add	102.50	
				For Bronze Dome Grate, Add	218.50	
				For Galvanized Cast Iron Parts, Add	132.00	
				For Primer Tap, Add	33.50	
				For Chained Grate, Add	48.50	
				For Vandal Proof Screws, Add	30.50	
22 13 19 13-0016	EA			Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet .....	1,511.22	186.15
				For Ductile Iron Grate, Add	53.00	
				For Cast Iron Dome Grate, Add	28.00	
				For Nikaloy Dome Grate, Add	255.00	
				For Cast Iron Extension Collar, Each 2", Add	51.00	
				For Galvanized Extension Collar, Each 2", Add	102.50	
				For Bronze Dome Grate, Add	218.50	
				For Galvanized Cast Iron Parts, Add	132.00	
				For Primer Tap, Add	33.50	
				For Chained Grate, Add	48.50	
				For Vandal Proof Screws, Add	30.50	
22 13 19 13-0017	EA			Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet .....	1,549.75	205.42
				For Ductile Iron Grate, Add	53.00	
				For Cast Iron Dome Grate, Add	28.00	
				For Nikaloy Dome Grate, Add	255.00	
				For Cast Iron Extension Collar, Each 2", Add	51.00	
				For Galvanized Extension Collar, Each 2", Add	102.50	
				For Bronze Dome Grate, Add	218.50	
				For Galvanized Cast Iron Parts, Add	132.00	
				For Primer Tap, Add	33.50	
				For Chained Grate, Add	48.50	
				For Vandal Proof Screws, Add	30.50	

**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 13-0018	EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	2,289.32	168.13
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0019	EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	2,325.18	186.15
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0020	EA Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	2,363.71	205.42
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0021	EA Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet.....	2,180.97	168.13
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0022	EA Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet.....	2,216.83	186.15
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
22 13 19 13-0023	EA Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet.....	2,255.36	205.42
	For Ductile Iron Grate, Add	53.00	
	For Cast Iron Dome Grate, Add	28.00	
	For Nikaloy Dome Grate, Add	255.00	
	For Cast Iron Extension Collar, Each 2", Add	51.00	
	For Galvanized Extension Collar, Each 2", Add	102.50	
	For Bronze Dome Grate, Add	218.50	
	For Galvanized Cast Iron Parts, Add	132.00	
	For Primer Tap, Add	33.50	
	For Chained Grate, Add	48.50	
	For Vandal Proof Screws, Add	30.50	
<b>22 13 19 13-0024 Square Or Rectangular Top Drains</b> <small>(22 13 19 13)</small>			
22 13 19 13-0025	EA 5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,034.02	168.13
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0026	EA 5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,070.27	186.29
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0027	EA 5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top.....	1,108.41	205.42
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0028	EA 6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top.....	1,113.30	168.13
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	
22 13 19 13-0029	EA 6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top.....	1,149.55	186.29
	For Sediment Bucket, Add	22.50	
	For Galvanized Cast Iron Parts, Add	105.00	
	For Vandal Proof Screws, Add	11.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0030	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,187.69 22.50 105.00 11.00	205.42
22 13 19 13-0031	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,462.14 22.50 105.00 11.00	168.13
22 13 19 13-0032	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,498.39 22.50 105.00 11.00	186.29
22 13 19 13-0033	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,536.53 22.50 105.00 11.00	205.42
22 13 19 13-0034	EA		5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	975.88 22.50 105.00 11.00	168.13
22 13 19 13-0035	EA		5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,012.13 22.50 105.00 11.00	186.29
22 13 19 13-0036	EA		5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,050.27 22.50 105.00 11.00	205.42
22 13 19 13-0037	EA		6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,076.30 22.50 105.00 11.00	168.13
22 13 19 13-0038	EA		6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,112.55 22.50 105.00 11.00	186.29
22 13 19 13-0039	EA		6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,150.69 22.50 105.00 11.00	205.42
22 13 19 13-0040	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,359.07 22.50 105.00 11.00	168.13
22 13 19 13-0041	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,395.32 22.50 105.00 11.00	186.29
22 13 19 13-0042	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top..... <i>For Sediment Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Vandal Proof Screws, Add</i>	1,433.46 22.50 105.00 11.00	205.42
22 13 19 13-0043	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,435.53 318.00 76.00 48.50	186.29
22 13 19 13-0044	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	3,473.67 318.00 76.00 48.50	205.42
22 13 19 13-0045	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	4,297.06 318.00 76.00 48.50	186.29
22 13 19 13-0046	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	4,335.20 318.00 76.00 48.50	205.42
22 13 19 13-0047	EA		12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	4,194.00 318.00 76.00 48.50	186.29
22 13 19 13-0048	EA		12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For No-Hub Side Outlet, Add</i> <i>For Chained Grate, Add</i>	4,232.14 318.00 76.00 48.50	205.42
22 13 19 13-0049	EA		5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,483.28 120.94 22.50 11.00	168.13
22 13 19 13-0050	EA		5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,519.53 120.94 22.50 11.00	186.29
22 13 19 13-0051	EA		5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top..... <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,557.67 120.94 22.50 11.00	205.42

**22 Plumbing**

**22 10 Plumbing Piping**

**22 13 Facility Sanitary Sewerage**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 13 19 13-0052	EA 5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,892.91 120.94 22.50 11.00	168.13
22 13 19 13-0053	EA 5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,929.16 120.94 22.50 11.00	186.29
22 13 19 13-0054	EA 5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,967.30 120.94 22.50 11.00	205.42
22 13 19 13-0055	EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,988.05 120.94 22.50 11.00	168.13
22 13 19 13-0056	EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,024.30 120.94 22.50 11.00	186.29
22 13 19 13-0057	EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,062.44 120.94 22.50 11.00	205.42
22 13 19 13-0058	EA 5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,725.38 120.94 22.50 11.00	168.13
22 13 19 13-0059	EA 5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,761.63 120.94 22.50 11.00	186.29
22 13 19 13-0060	EA 5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,799.77 120.94 22.50 11.00	205.42
22 13 19 13-0061	EA 5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,398.72 120.94 22.50 11.00	168.13
22 13 19 13-0062	EA 5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,434.97 120.94 22.50 11.00	186.29
22 13 19 13-0063	EA 5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,473.11 120.94 22.50 11.00	205.42
22 13 19 13-0064	EA 5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,747.56 120.94 22.50 11.00	168.13
22 13 19 13-0065	EA 5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,783.81 120.94 22.50 11.00	186.29
22 13 19 13-0066	EA 5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,821.95 120.94 22.50 11.00	205.42
22 13 19 13-0067	EA 5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,842.70 120.94 22.50 11.00	168.13
22 13 19 13-0068	EA 5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,878.95 120.94 22.50 11.00	186.29
22 13 19 13-0069	EA 5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	1,917.09 120.94 22.50 11.00	205.42
22 13 19 13-0070	EA 5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,442.60 120.94 22.50 11.00	168.13
22 13 19 13-0071	EA 5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,478.85 120.94 22.50 11.00	186.29
22 13 19 13-0072	EA 5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top <i>For Rough Bronze Body, Add</i> <i>For Sediment Bucket, Add</i> <i>For Vandal Proof Screws, Add</i>	2,516.99 120.94 22.50 11.00	205.42

22 13 19 13-0073 Funnel Type Floor Drains (22 13 19 13)

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 13-0074	EA			7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,397.06 11.00 105.00 -19.50	150.12
22 13 19 13-0075	EA			7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,433.07 11.00 105.00 -19.50	168.13
22 13 19 13-0076	EA			7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,468.93 11.00 105.00 -19.50	186.15
22 13 19 13-0077	EA			7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,507.46 11.00 105.00 -19.50	205.42
22 13 19 13-0078	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	2,027.69 11.00 15.10 105.00 -19.50	168.13
22 13 19 13-0079	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	2,063.55 11.00 15.10 105.00 -19.50	186.15
22 13 19 13-0080	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	2,102.08 11.00 15.10 105.00 -19.50	205.42
22 13 19 13-0081	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,924.62 11.00 15.10 105.00 -19.50	168.13
22 13 19 13-0082	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,960.48 11.00 15.10 105.00 -19.50	186.15
22 13 19 13-0083	EA			7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Galvanized Cast Iron Parts, Add</i> <i>For Satin Finish Bronze Top, Deduct</i>	1,999.01 11.00 15.10 105.00 -19.50	205.42

**22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet** (22 13 19 13)

22 13 19 13-0085	EA			12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	2,908.58 247.00 33.50 30.50	150.12
22 13 19 13-0086	EA			12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	2,944.72 247.00 33.50 30.50	168.13
22 13 19 13-0087	EA			12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	2,980.58 247.00 33.50 30.50	186.15
22 13 19 13-0088	EA			12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	3,019.11 247.00 33.50 30.50	205.42
22 13 19 13-0089	EA			12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap <i>For Galvanized Cast Iron Parts, Add</i> <i>For Primer Tap, Add</i> <i>For Vandal Proof Screws, Add</i>	3,058.86 247.00 33.50 30.50	225.25
22 13 19 13-0090	EA			12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,145.57 29.50 31.00 77.50 273.75	168.13
22 13 19 13-0091	EA			12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,181.82 29.50 31.00 77.50 273.75	186.29
22 13 19 13-0092	EA			12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate <i>For Vandal Proof Screws, Add</i> <i>For Primer Tap, Add</i> <i>For Aluminum Bucket, Add</i> <i>For Galvanized Cast Iron Parts, Add</i>	3,219.96 29.50 31.00 77.50 273.75	205.42

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0093	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Gate.....	3,259.71	225.25
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0094	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	1,953.69	168.13
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0095	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	1,989.94	186.29
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0096	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,028.08	205.42
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0097	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,067.83	225.25
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0098	EA		12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,939.44	168.13
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0099	EA		12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	2,975.69	186.29
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0100	EA		12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	3,013.83	205.42
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0101	EA		12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Gate.....	3,053.58	225.25
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	31.00	
			<i>For Aluminum Bucket, Add</i>	77.50	
			<i>For Galvanized Cast Iron Parts, Add</i>	273.75	
22 13 19 13-0102			<b>Other Drains</b> (22 13 19 13)		
22 13 19 13-0103			<b>Shower Drains</b> (22 13 19 13-0102)		
22 13 19 13-0104	EA		4-1/4" Stainless Steel Shower Drain Strainer.....	57.49	15.16
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0105	EA		4-1/4" Brass Shower Drain Strainer.....	63.56	15.16
			Note: Includes two 2-5/8" screws.		
22 13 19 13-0106	EA		4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe.....	133.72	30.33
			Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.		
22 13 19 13-0107	EA		4" Chrome Finish, Threaded Brass Shower Drain And Gasket.....	168.63	30.33
			Note: For 2" pipe. Kohler K-9132.		
22 13 19 13-0108			<b>Acid Resistant Floor Drains</b> (22 13 19 13-0102)		
22 13 19 13-0109	EA		9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top.....	1,407.50	150.12
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0110	EA		9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top.....	1,443.64	168.13
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0111	EA		9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top.....	1,479.50	186.15
			<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
			<i>For Primer Tap, Add</i>	33.50	
			<i>For Vandal Proof Screws, Add</i>	30.50	
22 13 19 13-0112			<b>Rotary And Lever Drains</b> (22 13 19 13-0102)		
22 13 19 13-0113	EA		1-1/2" Drain, 3" Sink Opening Lever Drain.....	317.78	101.24
22 13 19 13-0114	EA		2" Drain, 3" Sink Opening Lever Drain.....	338.72	111.72
22 13 19 13-0115	EA		1-1/2" Drain, 3-1/2" Sink Opening Lever Drain.....	317.78	101.24
22 13 19 13-0116	EA		2" Drain, 3-1/2" Sink Opening Lever Drain.....	338.72	111.72
22 13 19 13-0117	EA		1-1/2" Drain, 3" Sink Opening Twist Drain.....	317.78	101.24

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 13 19 13-0118	EA		2" Drain, 3" Sink Opening Twist Drain .....	338.72	111.72
	22 13 19 13-0119	EA		1-1/2" Drain, 3-1/2" Sink Opening Twist Drain .....	317.78	101.24
	22 13 19 13-0120	EA		2" Drain, 3-1/2" Sink Opening Twist Drain .....	338.72	111.72
	22 13 19 13-0121	EA		1-1/2" To 2" Drain, 3-1/2" Sink Opening Rotary Twist Drain (Fisher 16100).....	427.67	111.72
	<b>22 13 19 13-0122</b>			<b>Floor Receptor</b> <small>(22 13 19 13)</small>		
	<b>22 13 19 13-0123</b>			<b>9" Diameter Round Shallow Receptor</b> <small>(22 13 19 13-0122)</small>		
				Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.		
	22 13 19 13-0124	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection .....	1,721.36	168.27
				For Flange With Seepage Holes, Add	58.50	
				For Flange With Seepage Holes And Clamp Collar, Add	97.00	
				For Trap Primer Connection, Add	38.00	
				For Full Grate With 2" Square Center Opening, Add	36.00	
				For Vandal Proof Secured Grate, Add	33.50	
				For White Acid Resistant Bucket, Add	47.00	
				For Stainless Steel Liner For Bucket, Add	62.50	
	22 13 19 13-0125	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection .....	1,757.79	186.42
				For Flange With Seepage Holes, Add	58.50	
				For Flange With Seepage Holes And Clamp Collar, Add	97.00	
				For Trap Primer Connection, Add	38.00	
				For Full Grate With 2" Square Center Opening, Add	36.00	
				For Vandal Proof Secured Grate, Add	33.50	
				For White Acid Resistant Bucket, Add	47.00	
				For Stainless Steel Liner For Bucket, Add	62.50	
	22 13 19 13-0126	EA		9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection .....	1,795.52	205.42
				For Flange With Seepage Holes, Add	58.50	
				For Flange With Seepage Holes And Clamp Collar, Add	97.00	
				For Trap Primer Connection, Add	38.00	
				For Full Grate With 2" Square Center Opening, Add	36.00	
				For Vandal Proof Secured Grate, Add	33.50	
				For White Acid Resistant Bucket, Add	47.00	
				For Stainless Steel Liner For Bucket, Add	62.50	
	<b>22 13 19 13-0127</b>			<b>Square Top Floor Receptors</b> <small>(22 13 19 13-0122)</small>		
				Note: With acid resistant coating.		
	22 13 19 13-0128	EA		8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top .....	2,012.82	150.12
				For Flange With Seepage Holes, Add	37.50	
				For Stainless Steel Liner For Bucket, Add	97.00	
				For White Acid Resistant Bucket, Add	88.00	
				For Vandal Proof Secured Grate, Add	15.50	
				For Full Grate With 2" Square Center Opening, Add	36.00	
				For Trap Primer Connection, Add	39.50	
				For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	22 13 19 13-0129	EA		8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top .....	2,048.99	168.27
				For Flange With Seepage Holes, Add	37.50	
				For Stainless Steel Liner For Bucket, Add	97.00	
				For White Acid Resistant Bucket, Add	88.00	
				For Vandal Proof Secured Grate, Add	15.50	
				For Full Grate With 2" Square Center Opening, Add	36.00	
				For Trap Primer Connection, Add	39.50	
				For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	22 13 19 13-0130	EA		8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top .....	2,084.69	186.15
				For Flange With Seepage Holes, Add	37.50	
				For Stainless Steel Liner For Bucket, Add	97.00	
				For White Acid Resistant Bucket, Add	88.00	
				For Vandal Proof Secured Grate, Add	15.50	
				For Full Grate With 2" Square Center Opening, Add	36.00	
				For Trap Primer Connection, Add	39.50	
				For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	22 13 19 13-0131	EA		8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top .....	2,123.22	205.42
				For Flange With Seepage Holes, Add	37.50	
				For Stainless Steel Liner For Bucket, Add	97.00	
				For White Acid Resistant Bucket, Add	88.00	
				For Vandal Proof Secured Grate, Add	15.50	
				For Full Grate With 2" Square Center Opening, Add	36.00	
				For Trap Primer Connection, Add	39.50	
				For Flange With Seepage Holes And Clamp Collar, Add	69.00	
	<b>22 13 19 13-0132</b>			<b>Floor Drain Accessories</b> <small>(22 13 19 13)</small>		
	22 13 19 13-0133	EA		3" Trap Guard Floor Drain Insert (ProVent TG3H).....	121.11	17.46
				Note: Prevents emission of sewer gases.		
	22 13 19 13-0134	EA		2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) .....	99.56	17.46
				Note: Prevents emission of sewer gases.		
	22 13 19 13-0135	EA		3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) .....	108.18	17.46
				Note: Prevents emission of sewer gases.		
	22 13 19 13-0136	EA		3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP).....	129.73	17.46
				Note: Prevents emission of sewer gases.		
	22 13 19 13-0137	EA		3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP).....	116.80	17.46
				Note: Prevents emission of sewer gases.		
	22 13 19 13-0138	EA		2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) .....	164.45	17.46
				Note: Prevents emission of sewer gases.		
	22 13 19 13-0139	EA		3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) .....	181.80	17.46
				Note: Prevents emission of sewer gases.		
	22 13 19 13-0140	EA		4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) .....	224.84	17.46
				Note: Prevents emission of sewer gases.		



MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**22 13 19 26 Grease Removal Devices** (22 13 19)

22 13 19 26-0001		<b>Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.		
22 13 19 26-0002		<b>Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0001)</small> Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.		
22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102H.	1,389.50	104.74
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103H.	1,618.75	235.66
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104H.	2,280.63	261.84
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105H.	2,748.16	288.01
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106H.	3,074.95	314.20
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107H.	3,771.74	366.57
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108H.	4,906.35	418.93
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60109H.	9,563.71	471.30
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60110H.	10,819.35	575.35
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60213A.	13,393.57	920.56
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60214A.	19,183.71	1,150.70
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60215A.	22,386.35	1,380.84
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60216A.	29,049.18	1,610.98
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60217A.	37,531.08	1,841.13
22 13 19 26-0017		<b>Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0001)</small> Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.		
22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60115A.	3,927.62	288.01
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Josam 60117A.	5,051.72	366.57
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor..... Note: Smith 8150.	8,289.84	418.93
22 13 19 26-0021		<b>Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26)</small> Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.		
22 13 19 26-0022		<b>Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small> Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.		
22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60102-SA.	3,441.64	104.74
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60103-SA.	4,044.69	235.66
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60104-SA.	4,323.84	261.84
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60105-SA.	5,269.40	288.01
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60106-SA.	6,344.52	314.20
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60107-SA.	6,569.97	366.57
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60108-SA.	7,499.82	418.93
22 13 19 26-0030		<b>Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor</b> <small>(22 13 19 26-0021)</small> Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.		
22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor ..... Note: Josam 60115A-SA.	8,797.84	366.57
22 13 19 26-0032		<b>Automatic Cleaning Stainless Steel Grease Interceptor</b> <small>(22 13 19 26)</small>		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor ..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Low Engineering 20 Greasestopper).	7,545.92	288.01
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor ..... Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Low Engineering 25 Greasestopper).	8,762.47	314.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 19 26-0035	EA		35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35) .....	7,533.58	366.57
<b>22 13 19 26-0036 Precast Concrete Grease Interceptor</b> <small>(22 13 19 26)</small>					
Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.					
22 13 19 26-0037	EA		1,000 Gallon Pre-Cast Grease Interceptor .....	4,800.28	524.21
22 13 19 26-0038	EA		1,250 Gallon Pre-Cast Grease Interceptor .....	5,464.73	524.21
22 13 19 26-0039	EA		1,500 Gallon Pre-Cast Grease Interceptor .....	6,203.86	599.30
22 13 19 26-0040	EA		2,000 Gallon Pre-Cast Grease Interceptor .....	7,119.53	846.34
22 13 19 26-0041	EA		2,500 Gallon Pre-Cast Grease Interceptor .....	8,083.53	1,138.70
22 13 19 26-0042	EA		4,000 Gallon Pre-Cast Grease Interceptor .....	12,048.28	1,498.15
22 13 19 26-0043	EA		5,000 Gallon Pre-Cast Grease Interceptor .....	15,661.70	2,456.74
<b>22 13 19 26-0044 Coated Steel Manual Oil Interceptor</b> <small>(22 13 19 26)</small>					
Note: Includes internal air relief, and flow control fitting.					
22 13 19 26-0045	EA		10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	10,960.22	398.80
22 13 19 26-0046	EA		15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	14,890.05	473.85
22 13 19 26-0047	EA		20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	18,015.39	583.04
22 13 19 26-0048	EA		25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	19,564.60	631.56
22 13 19 26-0049	EA		35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	23,628.56	689.18
22 13 19 26-0050	EA		50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	31,442.93	758.17
22 13 19 26-0051	EA		75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	53,576.07	872.79
22 13 19 26-0052	EA		100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	58,342.41	1,073.87
22 13 19 26-0053	EA		150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	71,934.12	1,163.95
22 13 19 26-0054	EA		200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	101,136.34	1,396.46
22 13 19 26-0055	EA		250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	116,882.16	1,501.19
22 13 19 26-0056	EA		350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	147,486.53	1,790.26
22 13 19 26-0057	EA		400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	179,455.18	1,466.98
22 13 19 26-0058	EA		500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off .....	212,568.87	1,745.56
<b>22 13 19 33 Backwater Valves</b> <small>(22 13 19)</small>					
<b>22 13 19 33-0001 Cast Iron Body Terminal Backwater Valves</b> <small>(22 13 19 33)</small>					
22 13 19 33-0002	EA		2" Cast Iron Body Terminal Backwater Valve .....	601.11	40.08
22 13 19 33-0003	EA		3" Cast Iron Body Terminal Backwater Valve .....	616.48	50.41
22 13 19 33-0004	EA		4" Cast Iron Body Terminal Backwater Valve .....	889.21	67.03
22 13 19 33-0005	EA		6" Cast Iron Body Terminal Backwater Valve .....	2,395.69	94.45
22 13 19 33-0006	EA		8" Cast Iron Body Terminal Backwater Valve .....	2,929.68	124.31
22 13 19 33-0007	EA		10" Cast Iron Body Terminal Backwater Valve .....	8,475.20	153.36
22 13 19 33-0008	EA		12" Cast Iron Body Terminal Backwater Valve .....	9,601.13	198.90
<b>22 13 19 33-0009 Cast Iron Backwater Sewer Line Valve</b> <small>(22 13 19 33)</small>					
Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.					
22 13 19 33-0010	EA		2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	1,487.51	95.53
22 13 19 33-0011	EA		3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	2,266.31	115.90
22 13 19 33-0012	EA		4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	2,803.53	149.42
22 13 19 33-0013	EA		6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	3,939.93	171.60
22 13 19 33-0014	EA		8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly .....	5,460.34	203.35
<b>22 13 19 33-0015 Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve</b> <small>(22 13 19 33)</small>					
Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.					
22 13 19 33-0016	EA		3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	4,039.09	151.24
22 13 19 33-0017	EA		4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	4,113.94	201.09
22 13 19 33-0018	EA		5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	5,995.13	254.16
22 13 19 33-0019	EA		6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve .....	6,039.32	283.34
<b>22 13 19 36 Air-Admittance Valves</b> <small>(22 13 19)</small>					
<b>22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent</b> <small>(22 13 19 36)</small>					
22 13 19 36-0002	EA		1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent .....	283.45	19.55
22 13 19 36-0003	EA		2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent .....	338.67	19.55
<b>22 13 23 Sanitary Waste Interceptors</b> <small>(22 13)</small>					
<b>22 13 23 00-0001 Sediment Bucket Solids Interceptors</b> <small>(22 13 23)</small>					
22 13 23 00-0002	EA		1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) .....	1,354.92	197.74
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0003	EA		1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) .....	1,356.56	197.74
Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					
22 13 23 00-0004	EA		1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARI0) .....	1,890.63	197.74
Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.					

**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 23 00-0005	EA		1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO).....	1,890.63	197.74
			Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
22 13 23 00-0006	EA		1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030).....	2,011.54	197.74
			Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.		
<b>22 13 23 00-0007</b>			<b>Solid Interceptors, Cast Iron With Internal Deep Seal Trap (22 13 23)</b>		
22 13 23 00-0008	EA		1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	357.83	67.63
			For Stainless Steel Bucket, Add	175.00	
22 13 23 00-0009	EA		2" Inlet Cast Iron Solid Interceptor, Painted Enamel.....	366.48	72.02
			For Stainless Steel Bucket, Add	175.00	
<b>22 13 23 00-0010</b>			<b>Sediment Strainers (22 13 23)</b>		
22 13 23 00-0011	EA		2" Strainer, Pump Suction Side.....	220.52	92.12
<b>22 13 29</b>			<b>Sanitary Sewerage Pumps (22 13)</b>		
<b>22 13 29 13</b>			<b>Wet-Pit-Mounted, Vertical Sewerage Pumps (22 13 29)</b>		
<b>22 13 29 13-0001</b>			<b>Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) (22 13 29 13)</b>		
			Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.		
<b>22 13 29 13-0002</b>			<b>1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0003	EA		1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	8,695.02	1,675.18
22 13 29 13-0004	EA		3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,023.54	1,675.18
22 13 29 13-0005	EA		1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,352.04	1,675.18
22 13 29 13-0006	EA		1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non-Clog, 2-1/2" Discharge Pipe, 1,750 RPM.....	9,665.39	1,675.18
<b>22 13 29 13-0007</b>			<b>2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0008	EA		3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	9,604.74	1,675.18
22 13 29 13-0009	EA		1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	9,731.10	1,675.18
22 13 29 13-0010	EA		2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	9,819.54	1,675.18
22 13 29 13-0011	EA		3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	10,426.02	1,675.18
22 13 29 13-0012	EA		5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	11,019.86	1,675.18
22 13 29 13-0013	EA		7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	11,929.58	1,675.18
22 13 29 13-0014	EA		10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	12,839.30	1,675.18
22 13 29 13-0015	EA		15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non-Clog, 3" Discharge Pipe, 1,750 RPM.....	14,857.27	2,229.30
<b>22 13 29 13-0016</b>			<b>3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps (22 13 29 13-0001)</b>		
22 13 29 13-0017	EA		2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM.....	10,237.84	1,675.18
22 13 29 13-0018	EA		3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM.....	10,237.84	1,675.18
22 13 29 13-0019	EA		5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM.....	10,456.75	1,675.18
22 13 29 13-0020	EA		7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM.....	12,155.29	1,675.18
22 13 29 13-0021	EA		10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM.....	12,453.25	1,675.18
22 13 29 13-0022	EA		15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM.....	14,962.09	2,229.30
22 13 29 13-0023	EA		20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non-Clog, 4" Discharge Pipe, 1,750 RPM.....	15,720.19	2,229.30
<b>22 13 29 13-0024</b>			<b>Extra Column Assemblies Addition, 5' Or Less (22 13 29 13-0001)</b>		
22 13 29 13-0025	EA		2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	544.22	
22 13 29 13-0026	EA		3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	653.44	
22 13 29 13-0027	EA		4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	730.37	
22 13 29 13-0028	EA		5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	743.67	
22 13 29 13-0029	EA		6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps.....	834.84	
<b>22 13 29 13-0030</b>			<b>Float Switches (22 13 29 13-0001)</b>		
			Note: Copper coated floats, brass rods and stops and switch brackets.		
22 13 29 13-0031	EA		Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps.....	489.13	
22 13 29 13-0032	EA		Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps.....	513.82	
22 13 29 13-0033	EA		Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps.....	525.22	
<b>22 13 29 13-0034</b>			<b>Square Or Round Steel Sump Covers (22 13 29 13-0001)</b>		
22 13 29 13-0035	EA		24" Steel Sump Covers, Square Or Round.....	1,015.62	55.86
22 13 29 13-0036	EA		30" Steel Sump Covers, Square Or Round.....	1,124.38	62.84
22 13 29 13-0037	EA		36" Steel Sump Covers, Square Or Round.....	1,560.25	83.78
22 13 29 13-0038	EA		40" Steel Sump Covers, Square Or Round.....	2,264.61	97.75
22 13 29 13-0039	EA		42" Steel Sump Covers, Square Or Round.....	2,427.86	101.24
22 13 29 13-0040	EA		48" Steel Sump Covers, Square Or Round.....	2,596.14	104.74
22 13 29 13-0041	EA		54" Steel Sump Covers, Square Or Round.....	3,307.25	126.68
22 13 29 13-0042	EA		60" Steel Sump Covers, Square Or Round.....	4,480.58	139.64
22 13 29 13-0043	EA		72" Steel Sump Covers, Square Or Round.....	5,681.93	174.55
22 13 29 13-0044	EA		84" Steel Sump Covers, Square Or Round.....	7,223.26	192.01

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 13-0045		<b>Sludge Pumps</b> (22 13 29 13)		
22 13 29 13-0046		<b>Vortex Type Sludge Pumps</b> (22 13 29 13-0045) Note: 1750 RPM motor, 230/460V, cast iron casing, cast iron impeller, and single stage.		
22 13 29 13-0047	EA	15HP Vortex Type Sludge Pump, 4" Flange Connections (Wemco C)..... <i>For Explosion Proof Motor, Add</i>	47,965.72 375.00	2,046.03
22 13 29 13-0048	EA	30HP Vortex Type Sludge Pump, 6" Flange Connections (Wemco C)..... <i>For Explosion Proof Motor, Add</i>	67,187.46 750.00	2,630.62
22 13 29 13-0049	EA	75HP Vortex Type Sludge Pump, 8" Flange Connections (Wemco C)..... <i>For Explosion Proof Motor, Add</i>	86,557.38 1,125.00	4,019.00
22 13 29 13-0050	EA	20 HP Vortex Type Sludge Pump, 8" Intake And 6" Discharge Flange Connections (Wemco E)..... <i>For Explosion Proof Motor, Add</i>	36,779.08 500.00	2,338.33
22 13 29 13-0051	EA	50HP Vortex Type Sludge Pump, 6" Intake And 11" Discharge Flange Connections (Wemco E)..... <i>For Explosion Proof Motor, Add</i>	58,523.73 1,250.00	3,215.20
22 13 29 13-0052	EA	Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostal H12K .....	151,868.96	4,019.00
22 13 29 13-0053	EA	Screw Centrifugal Pump, Including 50 HP explosion proof motor, mounted on a steel base. Wemco Hidrostal 110K-M .....	188,484.18	4,019.00
22 13 29 13-0054		<b>Polymer Feed Sludge Pumps</b> (22 13 29 13-0045) Note: 230/460 volt		
22 13 29 13-0055	EA	115 GPM/100 RPM At 0 PSI, Polymer Feed Sludge Pump, 25 HP, 400 RPM Motor, 8" Flange connections (Moyno 1H115G1CDQAAA)..... Note: Single stage, cast iron casing, alloy steel rotor, and nitrile stator. <i>For 75 HP Motor, Add</i>	39,054.53 17,750.00	2,467.41
22 13 29 13-0056	EA	22 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 5 HP, 500 RPM Motor, 6" Flange Connections (Moyno 1E022G1SSFCAA)..... Note: Single stage, 316 stainless steel casing and rotor, and fluoro-elastomer stator. <i>For 7-1/2 HP Motor, Add</i>	28,368.16 2,676.00	837.18
22 13 29 13-0057	EA	12 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 2E012G1SSFCAA)..... Note: Two stage. 316 stainless steel casing and rotor, and fluoro-elastomer stator.	26,311.16	837.18
22 13 29 13-0058	EA	8 GPM/100 RPM At 0 PSI Polymer Feed Sludge Pump, 3 HP, 900 RPM Motor, 4" Flange Connections (Moyno 1E008G1CSFDA)..... Note: Single stage, cast iron body, 316 stainless steel rotor, and fluoro-elastomer stator. <i>For 7-1/2 HP Motor, Add</i>	17,088.13 2,676.00	837.18
22 13 29 13-0059		<b>Centrifuge Pilot Pumps</b> (22 13 29 13-0045)		
22 13 29 13-0060	EA	Centrifuge Pilot Pump, 325 GPM/100 RPM At 0 PSI, Two Stage, 10" Flange Connections (Moyno 2K345G1CDQAAA)..... Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator. <i>For 75 HP Motor, Add</i>	88,676.77 15,864.00	2,411.40
22 13 29 13-0061	EA	620 GPM/100 RPM At 0 PSI Centrifuge Pilot Pump, Single Stage, 10" Flange Connections (Moyno 1K620G1CDQAAA)..... Note: 25HP, 900 RPM Motor, 230/460 volt, cast iron body, alloy steel rotor, and nitrile stator. <i>For 75 HP Motor, Add</i>	93,603.34 15,864.00	2,411.40
22 13 29 16		<b>Submersible Sewerage Pumps</b> (22 13 29)		
22 13 29 16-0001		<b>Submersible Sewage Pumps With Vortex Impeller</b> (22 13 29 16)		
22 13 29 16-0002		<b>Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller</b> (22 13 29 16-0001) Note: Includes 25' cord.		
22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,694.20	101.60
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,803.90	101.60
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,770.15	101.60
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,931.88	101.60
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,931.88	101.60
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	2,049.89	127.00
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	2,193.35	127.00
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	2,211.63	127.00
22 13 29 16-0011		<b>Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller</b> (22 13 29 16-0001) Note: Includes 20' cord.		
22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,725.14	101.60
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,882.66	101.60
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,808.12	101.60
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,960.01	101.60
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,096.43	101.60



**22 Plumbing****22 10 Plumbing Piping****22 13 Facility Sanitary Sewerage**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	1,962.70		127.00
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,125.84		127.00
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,124.43		127.00
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,453.14		204.70
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,590.97		204.70
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,614.88		204.70
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,637.12		250.20
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,794.64		250.20
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,798.86		250.20
<b>22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller</b> (22 13 29 16-0001)					
Note: Includes 20' cord.					
22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,040.17		101.60
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,307.39		101.60
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller .....	2,262.26		127.00
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller .....	2,424.00		127.00
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,775.21		204.70
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,936.94		204.70
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	2,960.59		250.20
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller .....	3,122.33		250.20
<b>22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller</b> (22 13 29 16)					
Note: Includes 25' of cord with pump.					
22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	4,933.53		127.00
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	5,294.90		208.19
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	5,683.58		254.46
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	5,958.86		308.43
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	6,691.63		362.40
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	7,477.90		416.37
<b>22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof</b> (22 13 29 16)					
Note: Includes 25' of cord with pump.					
22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,823.13		453.40
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,226.47		453.40
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,226.47		453.40
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,239.75		604.53
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,643.09		604.53
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	7,643.09		604.53
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,779.44		755.67
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,182.78		755.67
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,182.78		755.67
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	9,203.53		906.80
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,606.87		906.80
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	8,606.87		906.80
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	10,183.25		1,057.94
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	9,586.59		1,057.94
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller .....	9,586.59		1,057.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 16-0058	EA		7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	10,580.00	1,209.06
22 13 29 16-0059	EA		7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller.....	10,580.00	1,209.06

**22 13 29 16-0060 Submersible Sewage Pump Accessories (22 13 29 16)**

22 13 29 16-0061	EA		Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump ..... Note: Includes alarm horn, warning light and alarm float switch.	839.92	115.61
22 13 29 16-0062	EA		Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump ..... Note: Includes alarm horn, warning light, and alarm float switch.	866.79	115.61
22 13 29 16-0063	EA		Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump ..... Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,695.00	154.14
22 13 29 16-0064	EA		Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump ..... Note: Includes alarm horn and warning light. Control float switches not included.	2,382.99	154.14
22 13 29 16-0065	EA		Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors ..... Note: Includes alarm horn and warning light. Control float switches not included.	4,869.87	154.14
22 13 29 16-0066	EA		Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors ..... Note: Includes alarm horn and warning light. Control float switches not included.	5,092.79	154.14
22 13 29 16-0067	EA		Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors ..... Note: Includes alarm horn and warning light. Control float switches not included.	8,122.77	192.68
22 13 29 16-0068	EA		Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors ..... Note: Includes alarm horn and warning light. Control float switches not included.	6,854.61	192.68
22 13 29 16-0069	EA		Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps ..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,883.61	192.68
22 13 29 16-0070	EA		Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps ..... Note: Includes alarm horn, warning light, and three 20' float switches.	2,071.73	192.68
22 13 29 16-0071	EA		Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps ..... Note: Includes alarm horn, warning light, and three 20' float switches.	1,989.76	192.68
22 13 29 16-0072	EA		Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps ..... Note: Includes alarm horn, warning light, and three 20' float switches.	2,159.30	192.68
22 13 29 16-0073	EA		Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps ..... Note: Includes alarm horn and warning light. Float switches not included..	3,673.58	192.68
22 13 29 16-0074	EA		Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure ..... Note: Includes alarm horn, warning light and 15' tethered float.	692.98	77.07
22 13 29 16-0075	EA		Variable Level (Clamp Type) Float Switch With 15' Cord ..... Note: Not for use with Intrinsically Safe Control Systems.	136.20	38.54
22 13 29 16-0076	EA		Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only ..... Note: Not for use with Intrinsically Safe Control Systems.	152.05	38.54
22 13 29 16-0077	EA		Variable Level (Adjustable Weight Type) Float Switch With 25' Cord ..... Note: Not for use with Intrinsically Safe Control Systems.	172.31	38.54
22 13 29 16-0078	EA		Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only ..... Note: Not for use with Intrinsically Safe Control Systems.	169.06	38.54
22 13 29 16-0079	EA		Float Switch Tree With (3) 15' Floats ..... Note: Not for use with Intrinsically Safe Control Systems.	500.64	38.54
22 13 29 16-0080	EA		Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only ..... Note: Not for use with Intrinsically Safe Control Systems.	510.76	38.54
22 13 29 16-0081	EA		Float Switch Tree And (4) Floats With 15' Cords ..... Note: Not for use with Intrinsically Safe Control Systems.	556.56	38.54
22 13 29 16-0082	EA		Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only ..... Note: Tree only.	579.94	38.54
22 13 29 16-0083	EA		Float Switch Tree ..... Note: Tree only.	270.20	38.54
22 13 29 16-0084	EA		Adjustable Weight For Float Switch ..... Note: Lifting equipment not included.	73.96	19.27
22 13 29 16-0085	EA		Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge ..... Note: Lifting equipment not included.	1,410.71	115.61
22 13 29 16-0086	EA		Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge ..... Note: Lifting equipment not included.	2,206.69	154.14
22 13 29 16-0087	EA		Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge ..... Note: Lifting equipment not included.	2,880.67	192.68
22 13 29 16-0088	EA		Rail And Disconnect System, Stainless Steel Non-Sparking, For 3" Horizontal Discharge ..... Note: Lifting equipment not included.	2,796.25	115.61
22 13 29 16-0089	EA		Rail And Disconnect System, Stainless Steel Non-Sparking, For 4" Horizontal Discharge ..... Note: Lifting equipment not included.	3,935.45	115.61
22 13 29 16-0090	EA		Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System.....	414.16	77.07
22 13 29 16-0091	EA		Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems.....	722.50	96.34
22 13 29 16-0092	EA		Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems.....	727.48	115.61
22 13 29 16-0093	EA		12" Stainless Steel Lifting Cable.....	204.28	38.54
22 13 29 16-0094	EA		Disconnect Fitting For 2" Horizontal Discharge ..... Note: Used for shallow systems where guide rails are not necessary.	397.20	38.54

**22 13 29 33 Sewerage Pump Basins and Pits (22 13 29)**

22 13 29 33-0001			<b>Sewage Sump Pump Basin (22 13 29 33)</b>		
22 13 29 33-0002			<b>High Density Polyethylene (HDPE) Basin (22 13 29 33-0001)</b>		
22 13 29 33-0003	EA		18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	170.18	
22 13 29 33-0004	EA		18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	218.19	
22 13 29 33-0005	EA		24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	483.78	
22 13 29 33-0006	EA		24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	675.48	
22 13 29 33-0007	EA		30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub.....	867.16	

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 13 Facility Sanitary Sewerage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 13 29 33-0008 EA 36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub..... 1,007.54

**22 13 29 33-0009 Fiberglass Basin** (22 13 29 33-0001)

22 13 29 33-0010 EA 18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....413.22  
 22 13 29 33-0011 EA 24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub .....830.03  
 22 13 29 33-0012 EA 30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....1,483.12  
 22 13 29 33-0013 EA 36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub .....1,992.63  
 22 13 29 33-0014 EA 36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....2,294.79  
 22 13 29 33-0015 EA 36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub .....2,423.73  
 22 13 29 33-0016 EA 36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub .....2,845.41  
 22 13 29 33-0017 EA 48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub .....3,303.34

**22 14 Facility Storm Drainage** (22 10)

**22 14 13 Facility Storm Drainage Piping** (22 14)  
 See CSI section 22 13 16 00-0000 for storm drainage piping.

**22 14 26 Facility Storm Drains** (22 14)

**22 14 26 13 Roof Drains** (22 14 26)

**22 14 26 13-0001 Cast Iron Roof Drains** (22 14 26 13)

**22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome** (22 14 26 13-0001)

Note: Dome free area is 124 square inches.

22 14 26 13-0003 EA 15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... 1,075.31 232.79  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Bronze Dome, Add* 448.80  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00  
 22 14 26 13-0004 EA 15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... 1,191.69 279.29  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Bronze Dome, Add* 448.80  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00  
 22 14 26 13-0005 EA 15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... 1,308.05 349.12  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Bronze Dome, Add* 448.80  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00  
 22 14 26 13-0006 EA 15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... 1,744.58 418.93  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Bronze Dome, Add* 448.80  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00  
 22 14 26 13-0007 EA 15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... 1,802.75 465.44  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Bronze Dome, Add* 448.80  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00  
 22 14 26 13-0008 EA 15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... 2,109.29 488.76  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Bronze Dome, Add* 448.80  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00  
 22 14 26 13-0009 EA 15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome ..... 2,798.00 506.21  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Bronze Dome, Add* 448.80  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00

**22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint** (22 14 26 13-0001)

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome ..... 1,618.65 232.79  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00  
 22 14 26 13-0012 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome ..... 1,772.98 279.29  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00  
 22 14 26 13-0013 EA 15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome ..... 1,963.25 349.12  
*For Galvanized Iron Parts, Add* 518.00  
*For Deck Clamp Assembly, Add* 130.00  
*For Drain Receiver, Add* 147.00  
*For 4" Fixed Extension Collar, Cast Iron, Add* 357.00

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 14 26 13-0014	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,697.41 518.00 130.00 147.00 357.00	418.93
	22 14 26 13-0015	EA		15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,893.41 518.00 130.00 147.00 357.00	465.44
<b>22 14 26 13-0016</b>				<b>Cast Iron Roof Drains With Flat Bronze Promenade Top</b> <small>(22 14 26 13-0001)</small>		
	22 14 26 13-0017	EA		14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,206.97 480.00 130.00 147.00 357.00	232.79
	22 14 26 13-0018	EA		14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,323.35 480.00 130.00 147.00 357.00	279.29
	22 14 26 13-0019	EA		14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,439.71 480.00 130.00 147.00 357.00	349.12
	22 14 26 13-0020	EA		14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,859.47 480.00 130.00 147.00 357.00	418.93
	22 14 26 13-0021	EA		14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,917.64 480.00 130.00 147.00 357.00	465.44
<b>22 14 26 13-0022</b>				<b>Cast Iron Scupper Drain With L-Shaped Bronze Grate</b> <small>(22 14 26 13-0001)</small>		
	22 14 26 13-0023	EA		Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate <i>For Galvanized Iron Parts, Add</i> <i>For Vandal Proof Grate, Add</i>	1,405.86 128.00 33.00	93.14
	22 14 26 13-0024	EA		Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate <i>For Galvanized Iron Parts, Add</i> <i>For Vandal Proof Grate, Add</i>	1,452.41 128.00 33.00	116.33
	22 14 26 13-0025	EA		Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate <i>For Galvanized Iron Parts, Add</i> <i>For Vandal Proof Grate, Add</i>	1,473.57 128.00 33.00	126.93
	22 14 26 13-0026	EA		Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate <i>For Galvanized Iron Parts, Add</i> <i>For Vandal Proof Grate, Add</i>	2,069.59 258.00 33.00	168.27
	22 14 26 13-0027	EA		Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate <i>For Galvanized Iron Parts, Add</i> <i>For Vandal Proof Grate, Add</i>	2,143.82 258.00 33.00	205.42
<b>22 14 26 13-0028</b>				<b>Cast Iron Roof Drain With Flat Cast Iron Grate</b> <small>(22 14 26 13-0001)</small>		
	22 14 26 13-0029	EA		9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,171.71 144.00 80.40 93.60	232.79
	22 14 26 13-0030	EA		9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,288.09 144.00 80.40 93.60	279.29
	22 14 26 13-0031	EA		9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,404.45 144.00 80.40 93.60	349.12
<b>22 14 26 13-0032</b>				<b>Cast Iron Roof Drains With Large Cast Iron Dome</b> <small>(22 14 26 13-0001)</small>		
	22 14 26 13-0033	EA		15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,255.54 518.00 130.00 147.00 357.00	232.79
	22 14 26 13-0034	EA		15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,371.92 518.00 130.00 147.00 357.00	279.29
	22 14 26 13-0035	EA		15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,488.28 518.00 130.00 147.00 357.00	349.12

**22 Plumbing**

**22 10 Plumbing Piping**

**22 14 Facility Storm Drainage**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0036	EA		15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome ..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,924.81 518.00 130.00 147.00 357.00	418.93
22 14 26 13-0037	EA		15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome ..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,982.98 518.00 130.00 147.00 357.00	465.44
22 14 26 13-0038	EA		15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome ..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,289.52 518.00 130.00 147.00 357.00	488.76
22 14 26 13-0039	EA		15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome ..... <i>For Galvanized Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,978.23 518.00 130.00 147.00 357.00	506.21
22 14 26 13-0040			<b>Aluminum Roof Drains</b> <small>(22 14 26 13)</small>		
22 14 26 13-0041			<b>Aluminum Dome Roof Drains</b> <small>(22 14 26 13-0040)</small>		
22 14 26 13-0042	EA		15" Diameter Roof Drain With 2" Outlet, Aluminum Dome ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,286.97 518.00 130.00 147.00 357.00	232.79
22 14 26 13-0043	EA		15" Diameter Roof Drain With 3" Outlet, Aluminum Dome ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,403.35 518.00 130.00 147.00 357.00	279.29
22 14 26 13-0044	EA		15" Diameter Roof Drain With 4" Outlet, Aluminum Dome ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	1,519.71 518.00 130.00 147.00 357.00	349.12
22 14 26 13-0045	EA		15" Diameter Roof Drain With 6" Outlet, Aluminum Dome ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,014.41 518.00 130.00 147.00 357.00	465.02
22 14 26 13-0046	EA		15" Diameter Roof Drain With 8" Outlet, Aluminum Dome ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	2,321.22 518.00 130.00 147.00 357.00	488.76
22 14 26 13-0047	EA		15" Diameter Roof Drain With 10" Outlet, Aluminum Dome ..... <i>For Galvanized Cast Iron Parts, Add</i> <i>For Deck Clamp Assembly, Add</i> <i>For Drain Receiver, Add</i> <i>For 4" Fixed Extension Collar, Cast Iron, Add</i>	3,009.66 518.00 130.00 147.00 357.00	506.21
22 14 26 13-0048			<b>Retrofit Roof Drains</b> <small>(22 14 26 13)</small>		
22 14 26 13-0049			<b>Retrofit Copolymer Roof Drains With Copolymer Strainer Dome</b> <small>(22 14 26 13-0048)</small>		
22 14 26 13-0050	EA		Copolymer Retrofit 3" Roof Drains, With Copolymer Dome .....	981.25	279.29
22 14 26 13-0051	EA		Copolymer Retrofit 4" Roof Drains, With Copolymer Dome .....	1,112.97	349.12
22 14 26 13-0052	EA		Copolymer Retrofit 5" Roof Drains, With Copolymer Dome .....	1,348.98	418.93
22 14 26 13-0053	EA		Copolymer Retrofit 6" Roof Drains, With Copolymer Dome .....	1,468.60	465.02
22 14 26 13-0054			<b>Retrofit Copolymer Roof Drains With Cast Aluminum Strainer Dome</b> <small>(22 14 26 13-0048)</small>		
22 14 26 13-0055	EA		Copolymer Retrofit Drain, 3", With Cast Aluminum Dome .....	1,119.50	279.29
22 14 26 13-0056	EA		Copolymer Retrofit Drain, 4", With Cast Aluminum Dome .....	1,245.07	349.12
22 14 26 13-0057	EA		Copolymer Retrofit Drain, 5", With Cast Aluminum Dome .....	1,490.30	418.93
22 14 26 13-0058	EA		Copolymer Retrofit Drain, 6", With Cast Aluminum Dome .....	1,566.91	465.02
22 14 26 13-0059			<b>Retrofit Roof Aluminum Drains With Cast Aluminum Strainer Dome</b> <small>(22 14 26 13-0048)</small>		
22 14 26 13-0060	EA		Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome ..... <i>For Copolymer Strainer Dome, Deduct</i>	987.39 -24.00	279.29
22 14 26 13-0061	EA		Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome ..... <i>For Copolymer Strainer Dome, Deduct</i>	1,119.11 -24.00	349.12
22 14 26 13-0062	EA		Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome ..... <i>For Copolymer Strainer Dome, Deduct</i>	1,355.13 -24.00	418.93
22 14 26 13-0063	EA		Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome ..... <i>For Copolymer Strainer Dome, Deduct</i>	1,425.58 -24.00	465.02
22 14 26 13-0064			<b>Bronze Downspout Nozzles</b> <small>(22 14 26 13)</small>		
22 14 26 13-0065	EA		2" Outlet, Bronze Roof Drain Downspout Nozzle .....	579.82	139.64
22 14 26 13-0066	EA		3" Outlet, Bronze Roof Drain Downspout Nozzle .....	579.82	139.64

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 26 13-0067	EA	4"	Outlet, Bronze Roof Drain Downspout Nozzle.....	579.82	139.64
22 14 26 13-0068	EA	5"	Outlet, Bronze Roof Drain Downspout Nozzle.....	890.21	174.55
22 14 26 13-0069	EA	6"	Outlet, Bronze Roof Drain Downspout Nozzle.....	890.21	174.55
22 14 26 13-0070	EA	8"	Outlet, Bronze Roof Drain Downspout Nozzle.....	1,142.11	174.55

**22 14 26 16 Facility Area Drains (22 14 26)**

22 14 26 16-0001			Area Drain (22 14 26 16)		
22 14 26 16-0002	EA	12" x 12"	Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,145.57	168.13
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0003	EA	12" x 12"	Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,181.82	186.29
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0004	EA	12" x 12"	Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,219.96	205.42
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0005	EA	12" x 12"	Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,259.71	225.25
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0006	EA	12" x 12"	Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,953.69	168.13
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0007	EA	12" x 12"	Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	1,989.94	186.29
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0008	EA	12" x 12"	Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,028.08	205.42
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0009	EA	12" x 12"	Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,067.83	225.25
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0010	EA	12" x 12"	Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,939.44	168.13
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0011	EA	12" x 12"	Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	2,975.69	186.29
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0012	EA	12" x 12"	Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,013.83	205.42
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0013	EA	12" x 12"	Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	3,053.58	225.25
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Vandal Proof Screws, Add</i>	29.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	152.25	
22 14 26 16-0014	EA	16" x 16"	Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,295.73	168.13
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0015	EA	16" x 16"	Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer.....	6,331.98	186.29
			<i>For Ductile Iron Grate, Add</i>	123.50	
			<i>For Primer Tap, Add</i>	36.00	
			<i>For Galvanized Cast Iron Parts, Add</i>	258.50	



**22 Plumbing****22 10 Plumbing Piping****22 14 Facility Storm Drainage**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,370.12	205.42
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,409.87	225.25
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,098.00	168.13
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,134.25	186.29
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,172.39	205.42
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	3,212.14	225.25
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	5,970.67	168.13
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,006.92	186.29
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,045.06	205.42
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	6,084.81	225.25
		<i>For Ductile Iron Grate, Add</i>	123.50	
		<i>For Primer Tap, Add</i>	36.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	258.50	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,427.79	168.13
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,464.04	186.29
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,502.18	205.42
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	883.38	168.13
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	919.63	186.29
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	957.77	205.42
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,348.50	168.13
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,384.75	186.29
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,422.89	205.42
		<i>For Vandal Proof Grate, Add</i>	30.50	
		<i>For Galvanized Cast Iron Parts, Add</i>	87.50	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	4,210.60	168.13
		<i>For Vandal Proof Screws, Add</i>	30.50	
		<i>For Ductile Iron Grate, Add</i>	126.00	
		<i>For Galvanized Cast Iron Parts, Add</i>	307.50	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0036 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	4,246.85 30.50 126.00 307.50	186.29
22 14 26 16-0037 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	4,284.99 30.50 126.00 307.50	205.42
22 14 26 16-0038 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	2,754.45 30.50 126.00 307.50	168.13
22 14 26 16-0039 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	2,790.70 30.50 126.00 307.50	186.29
22 14 26 16-0040 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	2,828.84 30.50 126.00 307.50	205.42
22 14 26 16-0041 EA 12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	3,956.90 30.50 126.00 307.50	168.13
22 14 26 16-0042 EA 12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	3,993.15 30.50 126.00 307.50	186.29
22 14 26 16-0043 EA 12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	4,031.29 30.50 126.00 307.50	205.42

**22 14 26 19 Facility Trench Drains (22 14 26)**

22 14 26 19-0001 Trench Drain (22 14 26 19) Note: Each section is 39.4" in length.		
22 14 26 19-0002 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	1,185.57 48.50 66.00 98.25	168.13
22 14 26 19-0003 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	1,221.82 48.50 66.00 98.25	186.29
22 14 26 19-0004 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	1,259.96 48.50 66.00 98.25	205.42
22 14 26 19-0005 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	746.97 48.50 66.00 98.25	168.13
22 14 26 19-0006 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	783.22 48.50 66.00 98.25	186.29
22 14 26 19-0007 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	821.36 48.50 66.00 98.25	205.42
22 14 26 19-0008 EA 6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	1,125.81 48.50 66.00 98.25	168.13
22 14 26 19-0009 EA 6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	1,162.06 48.50 66.00 98.25	186.29
22 14 26 19-0010 EA 6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots ..... <i>For Vandal Proof Screws, Add</i> ..... <i>For Ductile Iron Grate, Add</i> ..... <i>For Galvanized Cast Iron Parts, Add</i> .....	1,200.20 48.50 66.00 98.25	205.42

**22 Plumbing**

**22 10 Plumbing Piping**

**22 14 Facility Storm Drainage**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 14 26 19-0011	EA 6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,016.70	83.78
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	66.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0012	EA 6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	578.10	83.78
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	66.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0013	EA 6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	956.94	83.78
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	66.00	
	<i>For Galvanized Cast Iron Parts, Add</i>	98.25	
22 14 26 19-0014	EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,842.02	168.13
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0015	EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,878.27	186.29
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0016	EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,916.41	205.42
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0017	EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,299.32	168.13
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0018	EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,335.57	186.29
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0019	EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,373.71	205.42
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0020	EA 12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,767.80	168.13
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0021	EA 12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,804.05	186.29
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	
22 14 26 19-0022	EA 12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots.....	1,842.19	205.42
	<i>For Vandal Proof Screws, Add</i>	48.50	
	<i>For Ductile Iron Grate, Add</i>	181.50	
	<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i>	38.50	
	<i>For Sediment Bucket, Add</i>	116.00	
	<i>For Galvanized Sediment Bucket, Add</i>	188.50	
	<i>For Galvanized Cast Iron Parts, Add</i>	131.50	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 14 26 19-0023	EA			12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,552.83	168.13
				<i>For Vandal Proof Screws, Add</i> .....	48.50	
				<i>For Ductile Iron Grate, Add</i> .....	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....	38.50	
				<i>For Sediment Bucket, Add</i> .....	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....	131.50	
22 14 26 19-0024	EA			12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,589.08	186.29
				<i>For Vandal Proof Screws, Add</i> .....	48.50	
				<i>For Ductile Iron Grate, Add</i> .....	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....	38.50	
				<i>For Sediment Bucket, Add</i> .....	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....	131.50	
22 14 26 19-0025	EA			12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,627.22	205.42
				<i>For Vandal Proof Screws, Add</i> .....	48.50	
				<i>For Ductile Iron Grate, Add</i> .....	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....	38.50	
				<i>For Sediment Bucket, Add</i> .....	116.00	
				<i>For Galvanized Sediment Bucket, Add</i> .....	188.50	
				<i>For Galvanized Cast Iron Parts, Add</i> .....	131.50	
22 14 26 19-0026	EA			12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,673.13	83.78
				<i>For Vandal Proof Screws, Add</i> .....	48.50	
				<i>For Ductile Iron Grate, Add</i> .....	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....	38.50	
22 14 26 19-0027	EA			12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,130.43	83.78
				<i>For Vandal Proof Screws, Add</i> .....	48.50	
				<i>For Ductile Iron Grate, Add</i> .....	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....	38.50	
22 14 26 19-0028	EA			12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,598.91	83.78
				<i>For Vandal Proof Screws, Add</i> .....	48.50	
				<i>For Ductile Iron Grate, Add</i> .....	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....	38.50	
22 14 26 19-0029	EA			12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots .....	1,383.94	83.78
				<i>For Vandal Proof Screws, Add</i> .....	48.50	
				<i>For Ductile Iron Grate, Add</i> .....	181.50	
				<i>For Convex Grate On Cast Iron Or Ductile Price, Add</i> .....	38.50	

**22 14 29 Sump Pumps (22 14)**

See CSI section 22 11 16 00-0000 for pipe extensions into well.

**22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps (22 14 29)**

**22 14 29 13-0001 Vertical Mounted Sump Pumps (22 14 29 13)**

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA			1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head .....	6,818.03	403.70
				<i>For Explosion Proof Motor, Add</i> .....	295.95	
22 14 29 13-0003	EA			1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head .....	7,233.58	488.62
				<i>For Explosion Proof Motor, Add</i> .....	329.01	
22 14 29 13-0004	EA			2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head .....	8,273.31	580.50
				<i>For Explosion Proof Motor, Add</i> .....	425.03	
22 14 29 13-0005	EA			3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head .....	8,864.13	714.13
				<i>For Explosion Proof Motor, Add</i> .....	481.71	
22 14 29 13-0006	EA			5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head .....	9,369.59	773.99
				<i>For Explosion Proof Motor, Add</i> .....	703.67	
22 14 29 13-0007	EA			10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head .....	11,115.33	928.51
				<i>For Explosion Proof Motor, Add</i> .....	798.12	
22 14 29 13-0008	EA			15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head .....	12,951.61	961.64
				<i>For Explosion Proof Motor, Add</i> .....	1,308.16	
22 14 29 13-0009	EA			20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head .....	15,697.46	1,175.20
				<i>For Explosion Proof Motor, Add</i> .....	1,736.34	
22 14 29 13-0010	EA			30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head .....	16,992.82	1,370.59
				<i>For Explosion Proof Motor, Add</i> .....	2,251.11	
22 14 29 13-0011	EA			50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head .....	22,732.76	1,645.29
				<i>For Explosion Proof Motor, Add</i> .....	2,932.73	
22 14 29 13-0012	EA			60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head .....	31,306.45	1,827.45
				<i>For Explosion Proof Motor, Add</i> .....	4,648.61	

**22 14 29 13-0013 Extra Column Assemblies (22 14 29 13)**

22 14 29 13-0014	EA			1-1/2" Diameter x 5' Long Extra Column Assembly .....	1,044.88	
22 14 29 13-0015	EA			2" Diameter x 5' Long Extra Column Assembly .....	1,143.34	
22 14 29 13-0016	EA			2-1/2" Diameter x 5' Long Extra Column Assembly .....	1,251.08	
22 14 29 13-0017	EA			3" Diameter x 5' Long Extra Column Assembly .....	1,502.17	
22 14 29 13-0018	EA			4" Diameter x 5' Long Extra Column Assembly .....	1,679.03	
22 14 29 13-0019	EA			5" Diameter x 5' Long Extra Column Assembly .....	1,709.60	
22 14 29 13-0020	EA			6" Diameter x 5' Long Extra Column Assembly .....	1,919.20	
22 14 29 13-0021	EA			8" Diameter x 5' Long Extra Column Assembly .....	2,100.06	

**22 14 29 13-0022 Support Plate (22 14 29 13)**

**22 Plumbing**  
**22 10 Plumbing Piping**  
**22 14 Facility Storm Drainage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 13-0023	EA		24" Steel Support Plate, Round Or Square.....	1,015.62	55.86
22 14 29 13-0024	EA		30" Steel Support Plate, Round Or Square.....	1,124.38	62.84
22 14 29 13-0025	EA		36" Steel Support Plate, Round Or Square.....	1,560.25	83.78
22 14 29 13-0026	EA		40" Steel Support Plate, Round Or Square.....	2,264.61	97.75
22 14 29 13-0027	EA		42" Steel Support Plate, Round Or Square.....	2,427.86	101.24
22 14 29 13-0028	EA		48" Steel Support Plate, Round Or Square.....	2,596.00	104.74
22 14 29 13-0029	EA		54" Steel Support Plate, Round Or Square.....	3,307.25	125.68
22 14 29 13-0030	EA		60" Steel Support Plate, Round Or Square.....	4,480.58	139.64
22 14 29 13-0031	EA		72" Steel Support Plate, Round Or Square.....	5,982.36	174.55
22 14 29 13-0032	EA		84" Steel Support Plate, Round Or Square.....	7,223.26	192.01

**22 14 29 16 Submersible Sump Pumps (22 14 29)**

**22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller (22 14 29 16)**

**22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller (22 14 29 16-0001)**

22 14 29 16-0003	EA		1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	614.00	90.98
22 14 29 16-0004	EA		1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	678.12	90.98
22 14 29 16-0005	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,055.49	96.28
22 14 29 16-0006	EA		1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller .....	1,156.96	96.28

**22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller (22 14 29 16-0001)**

Note: Includes 20' of cord with pump.

22 14 29 16-0008	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,762.97	96.28
22 14 29 16-0009	EA		1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	1,915.88	96.28
22 14 29 16-0010	EA		1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	2,013.86	106.14
22 14 29 16-0011	EA		1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	2,177.34	106.14
22 14 29 16-0012	EA		1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	2,243.96	121.31
22 14 29 16-0013	EA		1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	2,404.62	121.31
22 14 29 16-0014	EA		2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	2,413.14	144.05
22 14 29 16-0015	EA		2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller .....	2,552.66	144.05

**22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller (22 14 29 16)**

Note: Includes 20' of cord with pump.

22 14 29 16-0017	EA		1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,258.16	90.98
22 14 29 16-0018	EA		1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,297.11	90.98
22 14 29 16-0019	EA		1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,608.06	96.28
22 14 29 16-0020	EA		1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,635.43	96.28
22 14 29 16-0021	EA		3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,952.68	101.60
22 14 29 16-0022	EA		3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	1,952.68	101.60
22 14 29 16-0023	EA		1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,064.69	106.14
22 14 29 16-0024	EA		1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,064.69	106.14
22 14 29 16-0025	EA		1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,356.47	121.31
22 14 29 16-0026	EA		1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,356.47	121.31
22 14 29 16-0027	EA		2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,741.33	144.05
22 14 29 16-0028	EA		2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller .....	2,693.96	144.05

**22 14 29 19 Sump-Pump Basins and Pits (22 14 29)**

See CSI section 22 13 29 33-0000 for basins and pits.

**22 15 General Service Compressed-Air Systems (22 10)**

**22 15 13 General Service Compressed-Air Piping (22 15)**

See CSI section 22 11 16 00-0013 for threaded galvanized steel pipe, 23 21 13 23-0001 for threaded black steel pipe.

22 15 13 00-0001			Aluminum Pipe And Fittings For Compressed Air (22 15 13)		
22 15 13 00-0002			Aluminum (6063) Pipe (FastPipe) (22 15 13 00-0001)		
Note: For compressed air system					
22 15 13 00-0003	LF		3/4" Blue Rigid Aluminum Pipe .....	9.85	3.03
Note: For compressed air system					



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0004 LF 1" Blue Rigid Aluminum Pipe ..... Note: For compressed air system	11.87	3.34
22 15 13 00-0005 LF 1-1/2" Blue Rigid Aluminum Pipe ..... Note: For compressed air system	15.79	4.24
22 15 13 00-0006 LF 2" Blue Rigid Aluminum Pipe ..... Note: For compressed air system	18.94	4.85
22 15 13 00-0007 LF 3" Blue Rigid Aluminum Pipe ..... Note: For compressed air system	30.31	6.67
<b>22 15 13 00-0008 Compression Fittings (FastPipe) (22 15 13 00-0001)</b> Note: For compressed air system		
<b>22 15 13 00-0009 Compression Union (22 15 13 00-0008)</b>		
22 15 13 00-0010 EA 3/4" FastPipe Compression Union ..... Note: For compressed air system	25.28	4.24
22 15 13 00-0011 EA 1" FastPipe Compression Union ..... Note: For compressed air system	37.86	6.07
22 15 13 00-0012 EA 1-1/2" FastPipe Compression Union ..... Note: For compressed air system	58.55	8.49
22 15 13 00-0013 EA 2" FastPipe Compression Union ..... Note: For compressed air system	73.46	10.92
22 15 13 00-0014 EA 3" FastPipe Compression Union ..... Note: For compressed air system	137.97	16.98
<b>22 15 13 00-0015 Compression 90 Degree Elbow (22 15 13 00-0008)</b>		
22 15 13 00-0016 EA 3/4" FastPipe Compression 90 Degree Elbow ..... Note: For compressed air system	26.62	4.24
22 15 13 00-0017 EA 1" FastPipe Compression 90 Degree Elbow ..... Note: For compressed air system	39.26	6.07
22 15 13 00-0018 EA 1-1/2" FastPipe Compression 90 Degree Elbow ..... Note: For compressed air system	60.03	8.49
22 15 13 00-0019 EA 2" FastPipe Compression 90 Degree Elbow ..... Note: For compressed air system	81.86	10.92
22 15 13 00-0020 EA 3" FastPipe Compression 90 Degree Elbow ..... Note: For compressed air system	155.83	16.98
<b>22 15 13 00-0021 Compression 45 Degree Elbow (22 15 13 00-0008)</b>		
22 15 13 00-0022 EA 1" FastPipe Compression 45 Degree Elbow ..... Note: For compressed air system	39.56	6.07
22 15 13 00-0023 EA 1-1/2" FastPipe Compression 45 Degree Elbow ..... Note: For compressed air system	66.49	8.49
22 15 13 00-0024 EA 2" FastPipe Compression 45 Degree Elbow ..... Note: For compressed air system	87.93	10.92
<b>22 15 13 00-0025 Compression Tee (22 15 13 00-0008)</b>		
22 15 13 00-0026 EA 3/4" FastPipe Compression Tee ..... Note: For compressed air system	36.23	6.37
22 15 13 00-0027 EA 1" FastPipe Compression Tee ..... Note: For compressed air system	51.35	9.10
22 15 13 00-0028 EA 1-1/2" FastPipe Compression Tee ..... Note: For compressed air system	92.71	12.74
22 15 13 00-0029 EA 2" FastPipe Compression Tee ..... Note: For compressed air system	115.73	16.38
22 15 13 00-0030 EA 3" FastPipe Compression Tee ..... Note: For compressed air system	216.96	25.48
<b>22 15 13 00-0031 Compression Reducing Tee (22 15 13 00-0008)</b>		
22 15 13 00-0032 EA 1" x 3/4" FastPipe Compression Reducing Tee ..... Note: For compressed air system	48.97	8.18
22 15 13 00-0033 EA 1-1/2" x 3/4" FastPipe Compression Reducing Tee ..... Note: For compressed air system	82.68	10.61
22 15 13 00-0034 EA 1-1/2" x 1" FastPipe Compression Reducing Tee ..... Note: For compressed air system	86.50	11.52
22 15 13 00-0035 EA 2" x 3/4" FastPipe Compression Reducing Tee ..... Note: For compressed air system	104.35	13.04
22 15 13 00-0036 EA 2" x 1" FastPipe Compression Reducing Tee ..... Note: For compressed air system	107.81	13.95
<b>22 15 13 00-0037 Compression Reducing Union (22 15 13 00-0008)</b>		
22 15 13 00-0038 EA 1" x 3/4" FastPipe Compression Reducing Union ..... Note: For compressed air system	36.19	5.16
22 15 13 00-0039 EA 1-1/2" x 3/4" FastPipe Compression Reducing Union ..... Note: For compressed air system	52.40	6.37
22 15 13 00-0040 EA 1-1/2" x 1" FastPipe Compression Reducing Union ..... Note: For compressed air system	53.85	7.28
22 15 13 00-0041 EA 2" x 3/4" FastPipe Compression Reducing Union ..... Note: For compressed air system	66.20	7.58
22 15 13 00-0042 EA 2" x 1" FastPipe Compression Reducing Union ..... Note: For compressed air system	68.95	8.49
22 15 13 00-0043 EA 2" x 1-1/2" FastPipe Compression Reducing Union ..... Note: For compressed air system	73.56	9.71

**22 Plumbing****22 10 Plumbing Piping****22 15 General Service Compressed-Air Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 15 13 00-0044		<b>Compression x NPT 90 Degree Reducing Elbow</b> (22 15 13 00-0008)			
22 15 13 00-0045	EA	3/4" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	54.01	8.80	
22 15 13 00-0046	EA	3/4" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	57.83	10.01	
22 15 13 00-0047	EA	1" x 1/4" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	63.20	9.71	
22 15 13 00-0048	EA	1" x 1/2" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	65.71	10.92	
22 15 13 00-0049	EA	1" x 3/4" NPT FastPipe Compression 90 Degree Reducing Elbow..... Note: For compressed air system	68.75	12.14	
22 15 13 00-0050		<b>Compression x NPT Reducing Tee</b> (22 15 13 00-0008)			
22 15 13 00-0051	EA	3/4" x 1/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	62.89	10.92	
22 15 13 00-0052	EA	3/4" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	65.77	12.14	
22 15 13 00-0053	EA	1" x 1/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	74.56	12.74	
22 15 13 00-0054	EA	1" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	77.23	13.95	
22 15 13 00-0055	EA	1" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	80.48	15.16	
22 15 13 00-0056	EA	1-1/2" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	105.74	16.38	
22 15 13 00-0057	EA	1-1/2" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	108.77	17.59	
22 15 13 00-0058	EA	2" x 1/2" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	118.37	18.81	
22 15 13 00-0059	EA	2" x 3/4" NPT FastPipe Compression Reducing Tee..... Note: For compressed air system	121.40	20.02	
22 15 13 00-0060		<b>Compression Inline Valve</b> (22 15 13 00-0008)			
22 15 13 00-0061	EA	3/4" FastPipe Compression Inline Valve..... Note: For compressed air system	76.08	4.24	
22 15 13 00-0062	EA	1" FastPipe Compression Inline Valve..... Note: For compressed air system	98.05	6.07	
22 15 13 00-0063	EA	1-1/2" FastPipe Compression Inline Valve..... Note: For compressed air system	200.77	8.49	
22 15 13 00-0064	EA	2" FastPipe Compression Inline Valve..... Note: For compressed air system	289.41	10.92	
22 15 13 00-0065	EA	3" FastPipe Compression Inline Valve..... Note: For compressed air system	466.62	16.98	
22 15 13 00-0066		<b>Compression Single Port Wall Outlet</b> (22 15 13 00-0008)			
22 15 13 00-0067	EA	3/4" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet ..... Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compressed air system	70.66	10.01	
22 15 13 00-0068	EA	1" Inlet x 1/2" Female NPT Outlet Compression Single Port Wall Outlet ..... Note: Includes wall block, drain valve, 1/2" brass plug, spacer plate and threaded male adapted. For compressed air system	73.46	10.92	
22 15 13 00-0069		<b>NPT Push To Connect Coupler</b> (22 15 13 00-0008)			
22 15 13 00-0070	EA	1/2" Male NPT Push To Connect Coupler ..... Note: For compressed air system	30.18	7.88	
22 15 13 00-0071		<b>Quick Disconnect, Air-Service</b> (22 15 13)			
22 15 13 00-0072		<b>Combination Steel And Brass</b> (22 15 13 00-0071)			
22 15 13 00-0073	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	69.52	21.23	
22 15 13 00-0074	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket.....	77.11	25.78	
22 15 13 00-0075		<b>Refrigerated Air Dryers With Ambient Air Filters</b> (22 15 13) Note: 120 Voltage, 1 Phase			
22 15 13 00-0076	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	881.73	120.54	
22 15 13 00-0077	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,004.52	123.88	
22 15 13 00-0078	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,178.30	127.24	
22 15 13 00-0079	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,323.81	133.93	
22 15 13 00-0080	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,717.99	150.68	
22 15 13 00-0081	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	1,942.43	171.43	
22 15 13 00-0082	EA	25 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,179.99	194.20	
22 15 13 00-0083	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,559.45	217.64	
22 15 13 00-0084	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	2,967.50	254.47	
22 15 13 00-0085	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,339.98	271.89	
22 15 13 00-0086	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters.....	3,920.10	301.35	
22 15 13 00-0087	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... For 230 Voltage, Add	4,506.25	334.83	
			1,150.97		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0088 EA 85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	4,872.39 1,240.73	368.32
22 15 13 00-0089 EA 100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	5,250.19 1,330.49	408.50
22 15 13 00-0090 EA 125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	5,675.09 1,441.36	435.28
22 15 13 00-0091 EA 175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	5,998.95 1,528.47	452.03
22 15 13 00-0092 EA 200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	10,309.00 2,811.44	468.76
22 15 13 00-0093 EA 250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	11,072.84 3,030.55	485.51
22 15 13 00-0094 EA 300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	11,815.56 3,243.32	502.25
22 15 13 00-0095 EA 400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	14,020.80 3,884.80	535.73
22 15 13 00-0096 EA 500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	15,920.09 4,374.23	669.67
22 15 13 00-0097 EA 600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	22,602.80 6,298.68	803.60
22 15 13 00-0098 EA 800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	30,649.41 8,632.31	937.53
22 15 13 00-0099 EA 1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters..... <i>For 230 Voltage, Add</i>	34,322.69 9,653.93	1,071.46
<b>22 15 13 00-0100 Oil And Water Separator For Air Compressor (22 15 13)</b>		
22 15 13 00-0101 EA 0-60 SCFM Oil/Water Separator.....	772.02	48.36
22 15 13 00-0102 EA 85 SCFM Oil/Water Separator.....	1,032.02	56.67
22 15 13 00-0103 EA 190 SCFM Oil/Water Separator.....	1,205.52	64.23
22 15 13 00-0104 EA 245 SCFM Oil/Water Separator.....	1,511.54	75.57
22 15 13 00-0105 EA 320 SCFM Oil/Water Separator.....	1,796.95	90.68
22 15 13 00-0106 EA 700 SCFM Oil/Water Separator.....	3,624.86	188.91
<b>22 15 13 00-0107 Heavy Duty Industrial Pressure Regulator (22 15 13)</b>		
22 15 13 00-0108 EA 3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	145.48	40.18
22 15 13 00-0109 EA 1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	202.18	53.57
22 15 13 00-0110 EA 3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	335.97	66.96
22 15 13 00-0111 EA 1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	427.57	100.45
22 15 13 00-0112 EA 1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	588.73	117.19
22 15 13 00-0113 EA 1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output.....	622.21	133.93
<b>22 15 13 00-0114 Heatless Desiccant Air Dryers (22 15 13)</b>		
22 15 13 00-0115 EA 5 SCFM Heatless Desiccant Air Dryer.....	2,956.08	120.54
22 15 13 00-0116 EA 10 SCFM Heatless Desiccant Air Dryer.....	3,550.08	133.93
22 15 13 00-0117 EA 15 SCFM Heatless Desiccant Air Dryer.....	3,589.18	147.33
22 15 13 00-0118 EA 20 SCFM Heatless Desiccant Air Dryer.....	4,099.33	167.41
22 15 13 00-0119 EA 30 SCFM Heatless Desiccant Air Dryer.....	5,635.74	200.89
22 15 13 00-0120 EA 50 SCFM Heatless Desiccant Air Dryer.....	5,591.92	267.87
22 15 13 00-0121 EA 85 SCFM Heatless Desiccant Air Dryer.....	7,501.60	334.83
22 15 13 00-0122 EA 100 SCFM Heatless Desiccant Air Dryer.....	7,978.36	401.80
22 15 13 00-0123 EA 125 SCFM Heatless Desiccant Air Dryer.....	9,137.26	468.76
22 15 13 00-0124 EA 175 SCFM Heatless Desiccant Air Dryer.....	10,491.32	535.73
22 15 13 00-0125 EA 200 SCFM Heatless Desiccant Air Dryer.....	11,284.34	602.69
22 15 13 00-0126 EA 300 SCFM Heatless Desiccant Air Dryer.....	13,773.01	669.67
22 15 13 00-0127 EA 400 SCFM Heatless Desiccant Air Dryer.....	15,322.09	803.60
22 15 13 00-0128 EA 500 SCFM Heatless Desiccant Air Dryer.....	17,712.39	937.53
22 15 13 00-0129 EA 600 SCFM Heatless Desiccant Air Dryer.....	20,433.56	1,071.46
<b>22 15 13 00-0130 Air Cooled Aftercoolers (22 15 13)</b>		
22 15 13 00-0131 EA 20 SCFM Air-Cooled Aftercooler.....	765.82	83.71
22 15 13 00-0132 EA 35 SCFM Air-Cooled Aftercooler.....	1,029.81	100.45
22 15 13 00-0133 EA 43 SCFM Air-Cooled Aftercooler.....	1,133.70	117.19
22 15 13 00-0134 EA 70 SCFM Air-Cooled Aftercooler.....	1,381.89	133.93
22 15 13 00-0135 EA 125 SCFM Air-Cooled Aftercooler.....	1,911.65	150.68
22 15 13 00-0136 EA 185 SCFM Air-Cooled Aftercooler.....	2,145.77	167.41
22 15 13 00-0137 EA 260 SCFM Air-Cooled Aftercooler.....	4,108.85	200.89
22 15 13 00-0138 EA 365 SCFM Air-Cooled Aftercooler.....	4,304.64	234.39
22 15 13 00-0139 EA 560 SCFM Air-Cooled Aftercooler.....	4,499.02	267.87
22 15 13 00-0140 EA 650 SCFM Air-Cooled Aftercooler.....	5,271.35	301.35
22 15 13 00-0141 EA 750 SCFM Air-Cooled Aftercooler.....	5,764.93	334.83
22 15 13 00-0142 EA 900 SCFM Air-Cooled Aftercooler.....	6,604.84	368.32
22 15 13 00-0143 EA 1,100 SCFM Air-Cooled Aftercooler.....	8,452.83	401.80
22 15 13 00-0144 EA 1,460 SCFM Air-Cooled Aftercooler.....	9,659.50	435.28
22 15 13 00-0145 EA 1,800 SCFM Air-Cooled Aftercooler.....	9,981.66	468.76
22 15 13 00-0146 EA 2,500 SCFM Air-Cooled Aftercooler.....	10,703.30	502.25
<b>22 15 13 00-0147 Compressed Air Coalescing Filters (22 15 13)</b>		
<b>22 15 13 00-0148 Coalescing Filters, 1, 2 And 3 Stage Type (22 15 13 00-0147)</b>		
22 15 13 00-0149 EA Coalescing Filters, Nylon Head And Bowl, A944, 1/4", DX.....	613.74	55.86
22 15 13 00-0150 EA Coalescing Filters, Nylon Head And Bowl, A944, 1/4", BX.....	440.54	55.86

MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 15 13 00-0151	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", DX	379.29	55.86
22 15 13 00-0152	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A94A, 1/4", BX	286.97	55.86
22 15 13 00-0153	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", DX	613.74	55.86
22 15 13 00-0154	EA	Coalescing Filters, Nylon Head And Bowl, A945, 1/4", BX	440.54	55.86
22 15 13 00-0155	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", DX	655.15	55.86
22 15 13 00-0156	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", BX	655.15	55.86
22 15 13 00-0157	EA	Coalescing Filters, Anodized Aluminum Head And Nylon Bowl, A912, 1/4", CI	655.15	55.86
22 15 13 00-0158	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", DX	655.15	55.86
22 15 13 00-0159	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", BX	655.15	55.86
22 15 13 00-0160	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A912A, 1/4", CI	655.15	55.86
22 15 13 00-0161	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", DX	712.56	69.83
22 15 13 00-0162	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A915A, 1/2", BX	712.56	69.83
22 15 13 00-0163	EA	Coalescing Filters, Anodized Aluminum Head And Bowl, A917A, 1/2", CI	877.64	69.83
22 15 13 00-0164	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", DX	2,179.36	90.77
22 15 13 00-0165	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", BX	2,179.36	90.77
22 15 13 00-0166	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A963, 3/4", CI	1,597.91	90.77
22 15 13 00-0167	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", DX	2,179.36	90.77
22 15 13 00-0168	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", BX	2,179.36	90.77
22 15 13 00-0169	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 3/4", CI	1,597.91	90.77
22 15 13 00-0170	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", DX	2,179.36	90.77
22 15 13 00-0171	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", BX	2,179.36	90.77
22 15 13 00-0172	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A962, 1", CI	1,597.91	90.77
22 15 13 00-0173	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", DX	2,919.85	90.77
22 15 13 00-0174	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", BX	2,919.85	90.77
22 15 13 00-0175	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A960, 1-1/2", CI	2,119.72	90.77
22 15 13 00-0176	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", DX	4,944.65	111.72
22 15 13 00-0177	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", BX	4,944.65	111.72
22 15 13 00-0178	EA	Coalescing Filters, Anodized Aluminum Head And Steel Bowl, A15/80, 2", CI	3,990.47	111.72
22 15 13 00-0179	EA	Coalescing Filters, AKCU-0280, 3", DX	22,159.60	167.57
22 15 13 00-0180	EA	Coalescing Filters, AKCU-0280, 3", BX	29,803.88	167.57
22 15 13 00-0181	EA	Coalescing Filters, AKCU-0280, 3", CI	47,414.75	167.57
22 15 13 00-0182	EA	Coalescing Filters, AKC-0280, 3", DX	22,285.33	230.41
22 15 13 00-0183	EA	Coalescing Filters, AKC-0280, 3", BX	29,929.61	230.41
22 15 13 00-0184	EA	Coalescing Filters, AKC-0280, 3", CI	47,540.48	230.41
22 15 13 00-0185	EA	Coalescing Filters, AKH-0280, 3", DX	22,383.04	279.29
22 15 13 00-0186	EA	Coalescing Filters, AKH-0280, 3", BX	30,027.32	279.29
22 15 13 00-0187	EA	Coalescing Filters, AKH-0280, 3", CI	47,638.19	279.29
22 15 13 00-0188	EA	Coalescing Filters, AKC-0480, 4", DX	39,839.49	355.95
22 15 13 00-0189	EA	Coalescing Filters, AKC-0480, 4", BX	60,801.88	355.95
22 15 13 00-0190	EA	Coalescing Filters, AKC-0480, 4", CI	61,971.83	355.95
22 15 13 00-0191	EA	Coalescing Filters, AKH-0480, 4", DX	39,951.22	411.95
22 15 13 00-0192	EA	Coalescing Filters, AKH-0480, 4", BX	60,913.61	411.95
22 15 13 00-0193	EA	Coalescing Filters, AKH-0480, 4", CI	62,083.56	411.95
22 15 13 00-0194	EA	Coalescing Filters, AKC-0880, 6", DX	64,458.07	446.73
22 15 13 00-0195	EA	Coalescing Filters, AKC-0880, 6", BX	82,332.84	446.73
22 15 13 00-0196	EA	Coalescing Filters, AKC-0880, 6", CI	86,062.62	446.73
22 15 13 00-0197	EA	Coalescing Filters, AKH-0880, 6", DX	64,569.73	502.58
22 15 13 00-0198	EA	Coalescing Filters, AKH-0880, 6", BX	82,444.50	502.58
22 15 13 00-0199	EA	Coalescing Filters, AKH-0880, 6", CI	86,174.28	502.58
22 15 13 00-0200	EA	Coalescing Filters, AKC-1480, 8", DX	103,288.84	593.07
22 15 13 00-0201	EA	Coalescing Filters, AKC-1480, 8", BX	160,123.92	593.07
22 15 13 00-0202	EA	Coalescing Filters, AKC-1480, 8", CI	165,454.68	593.07
22 15 13 00-0203	EA	Coalescing Filters, AKH-1480, 8", DX	103,344.99	621.15
22 15 13 00-0204	EA	Coalescing Filters, AKH-1480, 8", BX	160,180.07	621.15
22 15 13 00-0205	EA	Coalescing Filters, AKH-1480, 8", CI	165,510.83	621.15
22 15 13 00-0206	EA	Coalescing Filters, AKC-2280, 10", DX	141,570.94	733.42
22 15 13 00-0207	EA	Coalescing Filters, AKC-2280, 10", BX	208,064.73	733.42
22 15 13 00-0208	EA	Coalescing Filters, AKC-2280, 10", CI	217,776.22	733.42
22 15 13 00-0209	EA	Coalescing Filters, AKH-2280, 10", DX	141,750.84	823.35
22 15 13 00-0210	EA	Coalescing Filters, AKH-2280, 10", BX	208,244.63	823.35
22 15 13 00-0211	EA	Coalescing Filters, AKH-2280, 10", CI	217,956.12	823.35

**22 15 13 00-0212 1.0 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0147)**

22 15 13 00-0213	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	274.23	49.12
22 15 13 00-0214	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	323.51	49.12
22 15 13 00-0215	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	354.45	56.67
22 15 13 00-0216	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	408.03	64.99
22 15 13 00-0217	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	474.44	71.79
22 15 13 00-0218	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	539.86	86.90
22 15 13 00-0219	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	570.35	94.46
22 15 13 00-0220	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	705.39	113.35
22 15 13 00-0221	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	907.68	151.14
22 15 13 00-0222	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	1,036.97	170.03

**22 15 13 00-0223 0.01 Micron Filter Rated Compressed Air Coalescing Filters (22 15 13 00-0147)**

22 15 13 00-0224	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	330.55	49.12
22 15 13 00-0225	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	359.71	56.67
22 15 13 00-0226	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	412.96	64.99
22 15 13 00-0227	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	484.30	64.23
22 15 13 00-0228	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	551.12	86.90
22 15 13 00-0229	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	623.61	94.46
22 15 13 00-0230	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	718.06	113.35
22 15 13 00-0231	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	928.79	151.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 15 13 00-0232	EA		350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating.....	1,065.13	170.03
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**22 15 13 00-0233 Compressed Air Storage Tanks (22 15 13)**

**22 15 13 00-0234 Horizontal Compressed Air Storage Tanks (22 15 13 00-0233)**

22 15 13 00-0235	EA		12 Gallon Horizontal Compressed Air Storage Tank, ASME.....	460.69	107.15
22 15 13 00-0236	EA		15 Gallon Horizontal Compressed Air Storage Tank, ASME.....	795.67	117.19
22 15 13 00-0237	EA		20 Gallon Horizontal Compressed Air Storage Tank, ASME.....	842.79	123.22
22 15 13 00-0238	EA		30 Gallon Horizontal Compressed Air Storage Tank, ASME.....	959.30	133.93
22 15 13 00-0239	EA		60 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,253.69	180.81
22 15 13 00-0240	EA		80 Gallon Horizontal Compressed Air Storage Tank, ASME.....	1,509.27	200.89
22 15 13 00-0241	EA		120 Gallon Horizontal Compressed Air Storage Tank, ASME.....	2,247.67	234.39
22 15 13 00-0242	EA		200 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,331.96	267.87
22 15 13 00-0243	EA		240 Gallon Horizontal Compressed Air Storage Tank, ASME.....	3,711.35	284.61
22 15 13 00-0244	EA		325 Gallon Horizontal Compressed Air Storage Tank, ASME.....	5,338.48	301.35
22 15 13 00-0245	EA		400 Gallon Horizontal Compressed Air Storage Tank, ASME.....	7,022.42	351.57
22 15 13 00-0246	EA		660 Gallon Horizontal Compressed Air Storage Tank, ASME.....	10,080.66	418.53

**22 15 13 00-0247 Vertical Compressed Air Storage Tanks (22 15 13 00-0233)**

22 15 13 00-0248	EA		10 Gallon Vertical Compressed Air Storage Tank, ASME.....	740.50	107.15
22 15 13 00-0249	EA		15 Gallon Vertical Compressed Air Storage Tank, ASME.....	778.13	117.19
22 15 13 00-0250	EA		20 Gallon Vertical Compressed Air Storage Tank, ASME.....	842.79	123.22
22 15 13 00-0251	EA		30 Gallon Vertical Compressed Air Storage Tank, ASME.....	994.03	133.93
22 15 13 00-0252	EA		60 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,357.89	180.81
22 15 13 00-0253	EA		80 Gallon Vertical Compressed Air Storage Tank, ASME.....	1,559.44	200.89
22 15 13 00-0254	EA		120 Gallon Vertical Compressed Air Storage Tank, ASME.....	2,138.57	234.39
22 15 13 00-0255	EA		200 Gallon Vertical Compressed Air Storage Tank, ASME.....	3,107.09	267.87
22 15 13 00-0256	EA		240 Gallon Vertical Compressed Air Storage Tank, ASME.....	3,424.72	284.61
22 15 13 00-0257	EA		325 Gallon Vertical Compressed Air Storage Tank, ASME.....	4,636.89	301.35
22 15 13 00-0258	EA		400 Gallon Vertical Compressed Air Storage Tank, ASME.....	5,933.58	351.57
22 15 13 00-0259	EA		500 Gallon Vertical Compressed Air Storage Tank, ASME.....	7,719.46	385.05
22 15 13 00-0260	EA		660 Gallon Vertical Compressed Air Storage Tank, ASME.....	12,780.22	435.28

**22 15 19 General Service Packaged Air Compressors and Receivers (22 19)**

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

**22 15 19 13 General Service Packaged Reciprocating Air Compressors (22 15 19)**

**22 15 19 13-0001 Single Stage Compressor (22 15 19 13)**

Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.

22 15 19 13-0002	EA		1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,217.98	475.19
22 15 19 13-0003	EA		3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,377.19	548.46
22 15 19 13-0004	EA		1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	3,860.15	647.70
22 15 19 13-0005	EA		2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	4,391.05	714.66
22 15 19 13-0006	EA		3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure.....	5,336.73	754.85
22 15 19 13-0007	EA		3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	5,694.89	781.63
22 15 19 13-0008	EA		5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure.....	6,399.58	893.33
22 15 19 13-0009	EA		5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	6,860.91	946.90
22 15 19 13-0010	EA		7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure.....	8,213.29	1,072.00

**22 15 19 13-0011 Two Stage Compressor (22 15 19 13)**

Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.

22 15 19 13-0012	EA		1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure.....	6,131.71	835.20
22 15 19 13-0013	EA		2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure.....	6,607.44	982.67
22 15 19 13-0014	EA		3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure.....	6,919.45	1,072.00
22 15 19 13-0015	EA		5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure.....	7,960.24	1,429.33
22 15 19 13-0016	EA		5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure.....	8,549.59	1,429.33
22 15 19 13-0017	EA		7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure.....	9,252.05	1,786.66
22 15 19 13-0018	EA		7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure.....	9,786.58	1,786.66
22 15 19 13-0019	EA		10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure.....	12,531.34	2,209.89
22 15 19 13-0020	EA		10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure.....	13,471.01	2,276.85
22 15 19 13-0021	EA		15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure.....	14,545.84	2,660.98
22 15 19 13-0022	EA		20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure.....	21,640.31	3,012.14
22 15 19 13-0023	EA		25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure.....	23,294.74	3,403.62
22 15 19 13-0024	EA		30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure.....	25,954.66	3,761.76
22 15 19 13-0025	EA		30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure.....	28,244.35	4,122.71

**22 15 19 19 General Service Packaged Rotary-Screw Air Compressors (22 15 19)**

**22 15 19 19-0001 Rotary Screw Air Compressor, Base Mounted Without Receiver (22 15 19 19)**

Note: Oil flooded.

22 15 19 19-0002	EA		3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated.....	10,415.49	1,206.04
22 15 19 19-0003	EA		5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated.....	11,691.61	1,608.06
22 15 19 19-0004	EA		7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	14,977.03	2,016.12
22 15 19 19-0005	EA		10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	17,399.72	2,569.27
22 15 19 19-0006	EA		15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	19,914.83	3,022.66
22 15 19 19-0007	EA		20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	24,102.11	3,400.50
22 15 19 19-0008	EA		25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	26,433.60	3,778.33
22 15 19 19-0009	EA		30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	31,695.46	4,231.74
22 15 19 19-0010	EA		40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	34,810.52	4,534.00



**22 Plumbing**

**22 10 Plumbing Piping**

**22 15 General Service Compressed-Air Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0011	EA		50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	39,023.77	4,886.14
22 15 19 19-0012	EA		60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	50,454.59	5,289.66
22 15 19 19-0013	EA		75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated ...	55,913.37	5,591.93
22 15 19 19-0014	EA		100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	89,023.47	6,045.33
22 15 19 19-0015	EA		125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	110,814.83	6,536.51
22 15 19 19-0016	EA		150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	128,585.34	7,035.25
22 15 19 19-0017	EA		220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated.....	166,898.97	7,556.66
22 15 19 19-0018	EA		250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated.....	189,490.17	8,040.29
<b>22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver (22 15 19 19)</b>					
Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.					
22 15 19 19-0020	EA		5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	13,026.57	1,608.06
22 15 19 19-0021	EA		5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated.....	13,816.04	1,608.06
22 15 19 19-0022	EA		7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	15,604.77	2,016.12
22 15 19 19-0023	EA		7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	16,468.25	2,016.12
22 15 19 19-0024	EA		10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	17,745.11	2,569.27
22 15 19 19-0025	EA		10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	18,657.93	2,569.27
22 15 19 19-0026	EA		15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	20,199.92	3,022.66
22 15 19 19-0027	EA		15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	21,186.75	3,022.66
22 15 19 19-0028	EA		20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	34,496.74	3,400.50
22 15 19 19-0029	EA		25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	37,198.29	3,778.33
22 15 19 19-0030	EA		30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated.....	39,653.16	4,231.74

**22 30 Plumbing Equipment (22)**

**22 31 Domestic Water Softeners (22 30)**

**22 31 16 Commercial Domestic Water Softeners (22 31)**

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) (22 31 16)

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0001)

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA		30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11) .....	5,402.29	384.03
22 31 16 00-0005	EA		45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11) .....	5,646.83	401.48
22 31 16 00-0006	EA		60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11) .....	6,094.22	418.93
22 31 16 00-0007	EA		90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11) .....	7,012.71	436.39
22 31 16 00-0008	EA		120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11) .....	7,473.63	453.84

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA		60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11) .....	8,084.51	418.93
22 31 16 00-0011	EA		90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11) .....	8,502.61	436.39
22 31 16 00-0012	EA		120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11) .....	8,965.79	453.84
22 31 16 00-0013	EA		150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11) .....	10,650.63	471.30
22 31 16 00-0014	EA		210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11) .....	11,837.34	488.76
22 31 16 00-0015	EA		300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11) .....	14,408.01	506.21

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0002)

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0017 EA 90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11).....	12,266.81	436.39
22 31 16 00-0018 EA 120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11).....	12,714.20	453.84
22 31 16 00-0019 EA 150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11).....	14,403.56	471.30
22 31 16 00-0020 EA 210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11).....	15,590.27	488.76
22 31 16 00-0021 EA 300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11).....	18,300.69	506.21
22 31 16 00-0022 EA 450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11).....	24,130.66	523.67
22 31 16 00-0023 EA 600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11).....	28,225.04	541.13
<b>22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water)</b> (22 31 16 00-0002) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0025 EA 300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11).....	29,624.83	506.21
22 31 16 00-0026 EA 450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11).....	34,221.86	523.67
22 31 16 00-0027 EA 600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11).....	38,262.15	541.13
22 31 16 00-0028 EA 900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11).....	48,167.37	558.58
22 31 16 00-0029 EA 1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11).....	53,332.41	576.04
<b>22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water)</b> (22 31 16 00-0001)		
<b>22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water)</b> (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0032 EA 90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21).....	20,130.16	654.59
22 31 16 00-0033 EA 120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21).....	21,023.27	680.78
22 31 16 00-0034 EA 150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21).....	23,935.98	706.96
22 31 16 00-0035 EA 210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21).....	26,167.97	733.14
22 31 16 00-0036 EA 300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21).....	31,936.50	759.33
22 31 16 00-0037 EA 450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21).....	42,298.72	785.51
22 31 16 00-0038 EA 600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21).....	49,780.30	811.68
<b>22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water)</b> (22 31 16 00-0030) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.		
22 31 16 00-0040 EA 300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21).....	54,395.46	759.33
22 31 16 00-0041 EA 450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21).....	62,485.63	785.51
22 31 16 00-0042 EA 600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21).....	70,217.41	811.68
22 31 16 00-0043 EA 900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21).....	89,336.45	837.87
22 31 16 00-0044 EA 1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21).....	99,741.48	864.05
<b>22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water)</b> (22 31 16 00-0001)		
<b>22 31 16 00-0046 1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water)</b> (22 31 16 00-0045) Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047 EA 30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	7,107.17	576.04
22 31 16 00-0048 EA 45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	7,578.78	602.22
22 31 16 00-0049 EA 60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	8,264.53	628.41
22 31 16 00-0050 EA 90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	9,912.74	654.59
22 31 16 00-0051 EA 120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	10,961.37	680.78

**22 Plumbing**  
**22 30 Plumbing Equipment**  
**22 31 Domestic Water Softeners**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 31 16 00-0052	1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) (22 31 16 00-0045)		
Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.			
22 31 16 00-0053	EA 60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21).....	13,883.77	628.41
22 31 16 00-0054	EA 90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21).....	14,639.40	654.59
22 31 16 00-0055	EA 120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21).....	15,755.65	680.78
22 31 16 00-0056	EA 150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21).....	18,030.47	706.96
22 31 16 00-0057	EA 210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	20,339.10	733.14
22 31 16 00-0058	EA 300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21).....	25,456.23	759.33

**22 32 Domestic Water Filtration Equipment (22 30)**

**22 32 16 Domestic-Water Freestanding Cartridge Filters (22 32)**

22 32 16 00-0001	Commercial Water Filters Housings (22 32 16)		
22 32 16 00-0002	Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0001)		
22 32 16 00-0003	Commercial Multi-Cartridge Stainless Steel Water Filter Housings (22 32 16 00-0002)		
22 32 16 00-0004	EA 25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1).....	2,801.54	245.59
22 32 16 00-0005	EA 30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1).....	2,859.61	264.48
22 32 16 00-0006	EA 60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2).....	3,043.91	283.38
22 32 16 00-0007	EA 90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3).....	3,367.95	302.27
22 32 16 00-0008	EA 120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4).....	3,471.10	321.15
22 32 16 00-0009	EA 150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4).....	4,198.61	340.05
22 32 16 00-0010	EA 250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3).....	11,688.16	358.94
22 32 16 00-0011	EA 300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4).....	13,590.00	377.84
22 32 16 00-0012	EA 500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3).....	17,238.70	396.72
22 32 16 00-0013	EA 600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4).....	19,118.01	415.62

**22 32 16 00-0014 Commercial Water Filter Cartridges (22 32 16 00-0002)**

22 32 16 00-0015	(Depth) Water Filter Cartridges (22 32 16 00-0014)		
22 32 16 00-0016	EA 50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50).....	14.50	3.03
22 32 16 00-0017	EA 20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20).....	14.50	3.03
22 32 16 00-0018	EA 10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10).....	14.50	3.03
22 32 16 00-0019	EA 5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5).....	12.25	3.03
22 32 16 00-0020	EA 1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1).....	15.07	3.03
22 32 16 00-0021	EA 50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50).....	15.07	3.03
22 32 16 00-0022	EA 20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20).....	16.19	3.03
22 32 16 00-0023	EA 5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5).....	20.14	3.03
22 32 16 00-0024	EA 1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1).....	16.19	3.03
22 32 16 00-0025	EA 50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50).....	19.01	3.03
22 32 16 00-0026	EA 20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20).....	19.01	3.03
22 32 16 00-0027	EA 5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5).....	19.01	3.03
22 32 16 00-0028	EA 1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1).....	20.70	3.03
22 32 16 00-0029	EA 50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50).....	26.90	3.03
22 32 16 00-0030	EA 20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20).....	24.65	3.03
22 32 16 00-0031	EA 5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5).....	24.65	3.03
22 32 16 00-0032	EA 1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1).....	26.90	3.03

**22 32 16 00-0033 Pleated Water Filter Cartridges (22 32 16 00-0014)**

22 32 16 00-0034	EA 50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50).....	25.21	3.03
22 32 16 00-0035	EA 20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20).....	25.21	3.03
22 32 16 00-0036	EA 5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5).....	25.77	3.03
22 32 16 00-0037	EA 1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1).....	27.46	3.03
22 32 16 00-0038	EA 1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB).....	40.99	3.03
22 32 16 00-0039	EA 50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50).....	39.30	3.03
22 32 16 00-0040	EA 20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20).....	39.30	3.03
22 32 16 00-0041	EA 5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5).....	39.30	3.03
22 32 16 00-0042	EA 1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1).....	51.69	3.03
22 32 16 00-0043	EA 1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB).....	73.11	3.03
22 32 16 00-0044	EA 50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50).....	61.27	3.03
22 32 16 00-0045	EA 20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20).....	84.94	3.03
22 32 16 00-0046	EA 5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5).....	88.32	3.03

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1).....	99.59	3.03
<b>22 32 16 00-0048 Commercial Non-Metallic Water Filter Housings</b> <small>(22 32 16 00-0001)</small>				
<b>22 32 16 00-0049 Commercial Non-Metallic Water Filter Housings</b> <small>(22 32 16 00-0048)</small>				
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG).....	2,212.65	226.70
<b>22 32 16 00-0051 Commercial Water Filter Cartridges</b> <small>(22 32 16 00-0048)</small>				
<b>22 32 16 00-0052 Carbon Water Filter Cartridges</b> <small>(22 32 16 00-0051)</small>				
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5).....	708.17	3.03
<b>22 32 16 00-0054 (Depth) Water Filter Cartridges</b> <small>(22 32 16 00-0051)</small>				
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50).....	147.49	3.03
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20).....	146.36	3.03
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5).....	146.36	3.03
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1).....	167.78	3.03
<b>22 32 16 00-0059 Pleated Water Filter Cartridges</b> <small>(22 32 16 00-0051)</small>				
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150).....	389.23	3.03
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50).....	365.56	3.03
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20).....	398.25	3.03
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5).....	417.41	3.03
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1).....	444.45	3.03
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB).....	481.65	3.03

**22 33 Electric Domestic Water Heaters** (22 30)

**22 33 13 Instantaneous Electric Domestic Water Heaters** (22 33)

**22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters** (22 33 13)

**22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters**

22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95).....	569.21	75.81
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P).....	657.92	75.81

**22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters** (22 33 13)

**22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters** (22 33 13 16)

Note: Temperature rise decreases with increased flow rate.

22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T).....	760.77	113.72
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12).....	852.14	151.64
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115).....	1,445.76	265.36
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125).....	2,162.06	303.27
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus).....	1,511.97	151.64
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus).....	2,073.49	227.45
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus).....	2,304.31	303.27
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus).....	2,388.15	303.27
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus).....	2,467.33	303.27
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus).....	2,583.78	303.27

**22 33 30 Residential, Electric Domestic Water Heaters** (22 33)

**22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters** (22 33 30)

**22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax)** (22 33 30)

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,092.35	238.82
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,327.62	253.99
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater.....	1,555.31	265.36

**22 33 30 16 Residential, Storage Electric Domestic Water Heaters** (22 33 30)



**22 Plumbing**

**22 30 Plumbing Equipment**

**22 33 Electric Domestic Water Heaters**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax)** (22 33 30 16)  
 Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater.....	1,655.47	265.36
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater.....	1,565.35	272.94
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater.....	1,544.65	280.53
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater.....	1,714.26	284.32
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater.....	2,448.65	291.90
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater.....	2,497.01	303.27
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater.....	3,293.60	322.22

**22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax)** (22 33 30 16)  
 Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,770.50	265.36
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,693.44	272.94
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater.....	1,790.58	280.53

**22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist)** (22 33 30 16)  
 Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,827.81	272.94
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater.....	1,990.40	280.53
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,430.58	291.90
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater.....	2,637.78	303.27

**22 33 30 16-0018 Water Heater Accessories** (22 33 30 16)

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters.....	138.05	15.16
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters.....	162.08	15.16
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters.....	310.56	15.16
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters.....	415.06	15.16
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	81.78	11.37
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	88.89	11.37
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan.....	93.63	11.37
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan.....	110.23	11.37
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	46.10	11.37
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	49.89	11.37
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	55.23	11.37
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan.....	62.09	11.37

**22 33 30 23 Residential, Collector-To-Tank, Solar-Electric Domestic Water Heaters** (22 33 30)

**22 33 30 23-0001 Solar Electric Domestic Water Heaters (A.O. Smith CIRREX)** (22 33 30 23)  
 Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 23-0002	EA	80 Gallon, Solar Electric Domestic Water Heater.....	4,034.68	303.27
22 33 30 23-0003	EA	120 Gallon, Solar Electric Domestic Water Heater.....	4,821.57	322.22

**22 33 33 Light-Commercial Electric Domestic Water Heaters** (22 33)

**22 33 33 00-0001 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE)** (22 33 33)  
 Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3).....	8,079.17	265.36
22 33 33 00-0003	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3).....	8,397.00	265.36
22 33 33 00-0004	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6).....	8,741.33	265.36
22 33 33 00-0005	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3).....	8,817.15	303.27
22 33 33 00-0006	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6).....	9,214.44	303.27
22 33 33 00-0007	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9).....	9,850.11	303.27
22 33 33 00-0008	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12).....	10,273.89	303.27
22 33 33 00-0009	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15).....	10,618.21	303.27
22 33 33 00-0010	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18).....	10,989.02	303.27
22 33 33 00-0011	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6).....	9,611.73	303.27
22 33 33 00-0012	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9).....	9,982.54	303.27
22 33 33 00-0013	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12).....	10,406.32	303.27
22 33 33 00-0014	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15).....	10,750.64	303.27
22 33 33 00-0015	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18).....	11,121.45	303.27
22 33 33 00-0016	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24).....	13,849.53	303.27
22 33 33 00-0017	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9).....	10,478.49	379.09
22 33 33 00-0018	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12).....	10,822.81	379.09
22 33 33 00-0019	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15).....	11,246.59	379.09
22 33 33 00-0020	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18).....	11,617.40	379.09
22 33 33 00-0021	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24).....	14,371.97	379.09
22 33 33 00-0022	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30).....	15,643.31	379.09
22 33 33 00-0023	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36).....	16,888.16	379.09
22 33 33 00-0024	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9).....	12,113.36	454.90
22 33 33 00-0025	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12).....	12,457.68	454.90
22 33 33 00-0026	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15).....	12,802.00	454.90
22 33 33 00-0027	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18).....	13,172.81	454.90
22 33 33 00-0028	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24).....	16,006.84	454.90



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 33 33 00-0029	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	17,278.18	454.90
22 33 33 00-0030	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	18,523.03	454.90
22 33 33 00-0031	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	20,774.37	454.90
22 33 33 00-0032	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	21,780.84	454.90
22 33 33 00-0033	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	25,277.03	454.90
22 33 33 00-0034	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	29,779.69	454.90
22 33 33 00-0035	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	37,354.76	454.90
22 33 33 00-0036	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	13,635.00	606.54
22 33 33 00-0037	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	14,032.29	606.54
22 33 33 00-0038	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	14,403.10	606.54
22 33 33 00-0039	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	14,720.94	606.54
22 33 33 00-0040	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	17,528.48	606.54
22 33 33 00-0041	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	18,799.82	606.54
22 33 33 00-0042	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	20,018.19	606.54
22 33 33 00-0043	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	22,322.49	606.54
22 33 33 00-0044	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	23,302.48	606.54
22 33 33 00-0045	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	26,825.15	606.54
22 33 33 00-0046	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	31,354.30	606.54
22 33 33 00-0047	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	38,902.88	606.54
22 33 33 00-0048	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	15,243.37	682.36
22 33 33 00-0049	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	15,614.18	682.36
22 33 33 00-0050	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	15,932.02	682.36
22 33 33 00-0051	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	18,766.04	682.36
22 33 33 00-0052	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	19,904.95	682.36
22 33 33 00-0053	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	21,229.27	682.36
22 33 33 00-0054	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	23,533.57	682.36
22 33 33 00-0055	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	24,540.05	682.36
22 33 33 00-0056	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	27,850.83	682.36
22 33 33 00-0057	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	32,565.38	682.36
22 33 33 00-0058	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	40,113.96	682.36
22 33 33 00-0059	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	17,143.10	758.17
22 33 33 00-0060	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	17,566.88	758.17
22 33 33 00-0061	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	20,321.45	758.17
22 33 33 00-0062	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	21,592.79	758.17
22 33 33 00-0063	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	22,837.64	758.17
22 33 33 00-0064	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	25,088.97	758.17
22 33 33 00-0065	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	26,121.93	758.17
22 33 33 00-0066	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	29,591.63	758.17
22 33 33 00-0067	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	34,094.30	758.17
22 33 33 00-0068	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	41,695.85	758.17
22 33 33 00-0069	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	18,399.88	909.81
22 33 33 00-0070	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	18,770.69	909.81
22 33 33 00-0071	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	21,525.26	909.81
22 33 33 00-0072	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	22,743.63	909.81
22 33 33 00-0073	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	24,041.45	909.81
22 33 33 00-0074	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	26,292.78	909.81
22 33 33 00-0075	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	27,246.29	909.81
22 33 33 00-0076	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	30,821.93	909.81
22 33 33 00-0077	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	35,351.08	909.81
22 33 33 00-0078	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	42,873.18	909.81

**22 33 33 00-0079 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN)** (22 33 33)

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0080	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	2,172.74	265.36
22 33 33 00-0081	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	2,339.60	265.36
22 33 33 00-0082	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	2,539.90	303.27
22 33 33 00-0083	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	4,446.91	303.27
22 33 33 00-0084	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	5,128.27	379.09
22 33 33 00-0085	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	5,677.20	454.90
22 33 33 00-0086	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	6,762.48	682.36

**22 33 33 00-0087 Water Heater Accessories** (22 33 33)

22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap	54.13	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts				
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap	78.28	
Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carriage Bolts (2) 3/8" Hex Nuts				

**22 33 33 00-0090 Removal And Reinstallation Of Water Heater** (22 33 33)

Note: Includes storage and cleaning.

22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	505.45	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,516.34	

**22 33 36 Commerical Domestic Water Electric Booster Heaters** (22 33)

**22 33 36 16 Commercial Storage Electric Domestic Water Heaters** (22 33 36)

**22 33 36 16-0001 Commercial Storage Electric Domestic Water Heaters** (22 33 36 16)

22 33 36 16-0002	EA	150 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater	41,672.92	981.93
22 33 36 16-0003	EA	150 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater	43,710.08	981.93
22 33 36 16-0004	EA	150 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater	45,747.25	981.93

**22 Plumbing****22 30 Plumbing Equipment****22 33 Electric Domestic Water Heaters**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 33 36 16-0005	EA	150 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	47,784.41	981.93
22 33 36 16-0006	EA	150 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	51,858.74	981.93
22 33 36 16-0007	EA	150 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	55,933.07	981.93
22 33 36 16-0008	EA	150 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	59,192.54	981.93
22 33 36 16-0009	EA	200 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater.....	44,429.84	1,153.77
22 33 36 16-0010	EA	200 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	46,482.68	1,153.77
22 33 36 16-0011	EA	200 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	48,535.52	1,153.77
22 33 36 16-0012	EA	200 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	50,588.36	1,153.77
22 33 36 16-0013	EA	200 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	54,694.02	1,153.77
22 33 36 16-0014	EA	200 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	58,799.69	1,153.77
22 33 36 16-0015	EA	200 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	62,084.23	1,153.77
22 33 36 16-0016	EA	200 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	67,011.03	1,153.77
22 33 36 16-0017	EA	250 Gallon, 15 KW, 480 Voltage, Commercial Electric Water Heater.....	46,174.99	1,313.34
22 33 36 16-0018	EA	250 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	48,198.22	1,313.34
22 33 36 16-0019	EA	250 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	50,221.46	1,313.34
22 33 36 16-0020	EA	250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	52,244.69	1,313.34
22 33 36 16-0021	EA	250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	56,291.17	1,313.34
22 33 36 16-0022	EA	250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	60,337.64	1,313.34
22 33 36 16-0023	EA	250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	64,384.11	1,313.34
22 33 36 16-0024	EA	250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	69,239.88	1,313.34
22 33 36 16-0025	EA	250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	74,095.64	1,313.34
22 33 36 16-0026	EA	300 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	50,955.50	1,509.73
22 33 36 16-0027	EA	300 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	52,991.69	1,509.73
22 33 36 16-0028	EA	300 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	55,027.87	1,509.73
22 33 36 16-0029	EA	300 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	59,100.24	1,509.73
22 33 36 16-0030	EA	300 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	63,172.61	1,509.73
22 33 36 16-0031	EA	300 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	66,430.51	1,509.73
22 33 36 16-0032	EA	300 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	72,674.81	1,509.73
22 33 36 16-0033	EA	300 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	77,561.66	1,509.73
22 33 36 16-0034	EA	300 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	80,005.08	1,509.73
22 33 36 16-0035	EA	300 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	82,448.50	1,509.73
22 33 36 16-0036	EA	300 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	84,891.93	1,509.73
22 33 36 16-0037	EA	350 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	56,596.32	1,779.75
22 33 36 16-0038	EA	350 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	58,504.44	1,779.75
22 33 36 16-0039	EA	350 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	60,412.55	1,779.75
22 33 36 16-0040	EA	350 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	64,228.79	1,779.75
22 33 36 16-0041	EA	350 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	68,045.03	1,779.75
22 33 36 16-0042	EA	350 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	71,098.02	1,779.75
22 33 36 16-0043	EA	350 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	75,677.50	1,779.75
22 33 36 16-0044	EA	350 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	80,256.99	1,779.75
22 33 36 16-0045	EA	350 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	82,546.73	1,779.75
22 33 36 16-0046	EA	350 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	84,836.47	1,779.75
22 33 36 16-0047	EA	350 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	87,126.21	1,779.75
22 33 36 16-0048	EA	350 Gallon, 297 KW, 480 Voltage, Commercial Electric Water Heater.....	90,560.83	1,779.75
22 33 36 16-0049	EA	400 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	62,065.29	1,963.87
22 33 36 16-0050	EA	400 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	64,422.81	1,963.87
22 33 36 16-0051	EA	400 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	66,780.34	1,963.87
22 33 36 16-0052	EA	400 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	71,495.38	1,963.87
22 33 36 16-0053	EA	400 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	76,210.44	1,963.87
22 33 36 16-0054	EA	400 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	79,982.48	1,963.87
22 33 36 16-0055	EA	400 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	85,640.55	1,963.87
22 33 36 16-0056	EA	400 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	91,298.60	1,963.87
22 33 36 16-0057	EA	400 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	94,127.63	1,963.87
22 33 36 16-0058	EA	400 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	96,956.66	1,963.87
22 33 36 16-0059	EA	400 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	99,785.70	1,963.87
22 33 36 16-0060	EA	400 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	105,443.76	1,963.87
22 33 36 16-0061	EA	400 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	108,272.78	1,963.87
22 33 36 16-0062	EA	500 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	72,428.67	2,209.35
22 33 36 16-0063	EA	500 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	74,941.13	2,209.35
22 33 36 16-0064	EA	500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	77,453.60	2,209.35
22 33 36 16-0065	EA	500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	82,478.53	2,209.35
22 33 36 16-0066	EA	500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	87,503.46	2,209.35
22 33 36 16-0067	EA	500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	91,523.40	2,209.35
22 33 36 16-0068	EA	500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	97,553.32	2,209.35
22 33 36 16-0069	EA	500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	103,583.24	2,209.35
22 33 36 16-0070	EA	500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	106,598.20	2,209.35
22 33 36 16-0071	EA	500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	109,613.15	2,209.35
22 33 36 16-0072	EA	500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	112,628.11	2,209.35
22 33 36 16-0073	EA	500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	118,658.03	2,209.35
22 33 36 16-0074	EA	500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	121,672.99	2,209.35
22 33 36 16-0075	EA	500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	127,702.91	2,209.35
22 33 36 16-0076	EA	500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	133,732.81	2,209.35
22 33 36 16-0077	EA	600 Gallon, 30 KW, 480 Voltage, Commercial Electric Water Heater.....	84,985.92	2,454.83
22 33 36 16-0078	EA	600 Gallon, 45 KW, 480 Voltage, Commercial Electric Water Heater.....	87,907.10	2,454.83
22 33 36 16-0079	EA	600 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	90,828.29	2,454.83
22 33 36 16-0080	EA	600 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	96,670.65	2,454.83
22 33 36 16-0081	EA	600 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	102,513.03	2,454.83
22 33 36 16-0082	EA	600 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	107,186.93	2,454.83
22 33 36 16-0083	EA	600 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	113,216.84	2,454.83
22 33 36 16-0084	EA	600 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	120,227.68	2,454.83
22 33 36 16-0085	EA	600 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	123,733.11	2,454.83
22 33 36 16-0086	EA	600 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	127,238.53	2,454.83
22 33 36 16-0087	EA	600 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	130,743.96	2,454.83
22 33 36 16-0088	EA	600 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	138,735.73	2,454.83
22 33 36 16-0089	EA	600 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	145,746.57	2,454.83

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 36 16-0090 EA 600 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	149,252.00	2,454.83
22 33 36 16-0091 EA 600 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	156,262.84	2,454.83
22 33 36 16-0092 EA 800 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	98,148.47	3,277.20
22 33 36 16-0093 EA 800 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	104,101.35	3,277.20
22 33 36 16-0094 EA 800 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	110,054.23	3,277.20
22 33 36 16-0095 EA 800 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	114,816.53	3,277.20
22 33 36 16-0096 EA 800 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	121,959.99	3,277.20
22 33 36 16-0097 EA 800 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	129,103.44	3,277.20
22 33 36 16-0098 EA 800 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	132,675.17	3,277.20
22 33 36 16-0099 EA 800 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	136,246.90	3,277.20
22 33 36 16-0100 EA 800 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	139,818.62	3,277.20
22 33 36 16-0101 EA 800 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	146,962.08	3,277.20
22 33 36 16-0102 EA 800 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	154,105.54	3,277.20
22 33 36 16-0103 EA 800 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	157,677.26	3,277.20
22 33 36 16-0104 EA 800 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	164,820.72	3,277.20
22 33 36 16-0105 EA 1000 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	115,042.15	4,210.04
22 33 36 16-0106 EA 1000 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	120,138.89	4,210.04
22 33 36 16-0107 EA 1000 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	125,235.62	4,210.04
22 33 36 16-0108 EA 1000 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	129,313.01	4,210.04
22 33 36 16-0109 EA 1000 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	135,429.09	4,210.04
22 33 36 16-0110 EA 1000 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	141,545.18	4,210.04
22 33 36 16-0111 EA 1000 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	144,603.21	4,210.04
22 33 36 16-0112 EA 1000 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	147,661.26	4,210.04
22 33 36 16-0113 EA 1000 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	150,719.29	4,210.04
22 33 36 16-0114 EA 1000 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	156,835.38	4,210.04
22 33 36 16-0115 EA 1000 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	162,951.46	4,210.04
22 33 36 16-0116 EA 1000 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	166,009.49	4,210.04
22 33 36 16-0117 EA 1000 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	172,125.57	4,210.04
22 33 36 16-0118 EA 1250 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	127,728.87	4,909.66
22 33 36 16-0119 EA 1250 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	132,412.25	4,909.66
22 33 36 16-0120 EA 1250 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	137,095.62	4,909.66
22 33 36 16-0121 EA 1250 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	140,842.33	4,909.66
22 33 36 16-0122 EA 1250 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	146,462.38	4,909.66
22 33 36 16-0123 EA 1250 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	152,082.43	4,909.66
22 33 36 16-0124 EA 1250 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	154,892.46	4,909.66
22 33 36 16-0125 EA 1250 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	157,702.49	4,909.66
22 33 36 16-0126 EA 1250 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	160,512.52	4,909.66
22 33 36 16-0127 EA 1250 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	166,132.57	4,909.66
22 33 36 16-0128 EA 1250 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	171,752.62	4,909.66
22 33 36 16-0129 EA 1250 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	174,562.64	4,909.66
22 33 36 16-0130 EA 1250 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	180,182.70	4,909.66
22 33 36 16-0131 EA 1250 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	185,802.75	4,909.66
22 33 36 16-0132 EA 1500 Gallon, 60 KW, 480 Voltage, Commercial Electric Water Heater.....	140,316.55	5,891.60
22 33 36 16-0133 EA 1500 Gallon, 90 KW, 480 Voltage, Commercial Electric Water Heater.....	144,841.41	5,891.60
22 33 36 16-0134 EA 1500 Gallon, 120 KW, 480 Voltage, Commercial Electric Water Heater.....	149,366.26	5,891.60
22 33 36 16-0135 EA 1500 Gallon, 144 KW, 480 Voltage, Commercial Electric Water Heater.....	152,986.15	5,891.60
22 33 36 16-0136 EA 1500 Gallon, 180 KW, 480 Voltage, Commercial Electric Water Heater.....	158,415.98	5,891.60
22 33 36 16-0137 EA 1500 Gallon, 216 KW, 480 Voltage, Commercial Electric Water Heater.....	163,845.80	5,891.60
22 33 36 16-0138 EA 1500 Gallon, 234 KW, 480 Voltage, Commercial Electric Water Heater.....	166,560.72	5,891.60
22 33 36 16-0139 EA 1500 Gallon, 252 KW, 480 Voltage, Commercial Electric Water Heater.....	169,275.63	5,891.60
22 33 36 16-0140 EA 1500 Gallon, 270 KW, 480 Voltage, Commercial Electric Water Heater.....	171,990.55	5,891.60
22 33 36 16-0141 EA 1500 Gallon, 306 KW, 480 Voltage, Commercial Electric Water Heater.....	177,420.37	5,891.60
22 33 36 16-0142 EA 1500 Gallon, 324 KW, 480 Voltage, Commercial Electric Water Heater.....	182,850.20	5,891.60
22 33 36 16-0143 EA 1500 Gallon, 360 KW, 480 Voltage, Commercial Electric Water Heater.....	185,565.12	5,891.60
22 33 36 16-0144 EA 1500 Gallon, 396 KW, 480 Voltage, Commercial Electric Water Heater.....	190,994.95	5,891.60
22 33 36 16-0145 EA 1500 Gallon, 432 KW, 480 Voltage, Commercial Electric Water Heater.....	196,424.77	5,891.60

**22 34 Fuel-Fired Domestic Water Heaters (22 30)**

**22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)**

22 34 13 00-0001 Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

22 34 13 00-0002 Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34 13)

00-0001

Note: Includes vent connection. Excludes vent.

22 34 13 00-0003 EA 4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN).....	2,301.16	303.27
22 34 13 00-0004 EA 5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN).....	2,486.28	307.06
22 34 13 00-0005 EA 5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN).....	2,727.39	314.65
22 34 13 00-0006 EA 6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN).....	3,178.06	322.22
22 34 13 00-0007 EA 7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN).....	3,848.89	341.17
22 34 13 00-0008 EA 7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN).....	3,929.58	341.17

22 34 13 00-0009 Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters (22 34)

13 00-0001

22 34 13 00-0010 EA 5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN).....	2,478.70	303.27
22 34 13 00-0011 EA 7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN).....	3,848.89	341.17

**22 34 30 Residential Gas Domestic Water Heaters (22 34)**

**22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters (22 34 30)**

**22 Plumbing**  
**22 30 Plumbing Equipment**  
**22 34 Fuel-Fired Domestic Water Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 34 30 13-0001 Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 13)**  
 Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 13-0002	EA		30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30) .....	1,736.47	291.90
22 34 30 13-0003	EA		40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40) .....	1,708.08	299.48
22 34 30 13-0004	EA		50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50) .....	2,253.54	307.06
22 34 30 13-0005	EA		65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-65) .....	2,435.34	314.65
22 34 30 13-0006	EA		75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75) .....	2,655.33	322.22
22 34 30 13-0007	EA		100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100) .....	3,899.97	341.17

**22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters (22 34 30)**

**22 34 30 16-0001 Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 16)**  
 Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 16-0002	EA		40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40) .....	3,128.97	299.48
22 34 30 16-0003	EA		50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50) .....	3,560.05	307.06
22 34 30 16-0004	EA		75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75) .....	4,613.38	314.65

**22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters (22 34 30)**

**22 34 30 19-0001 Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) (22 34 30 19)**  
 Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 30 19-0002	EA		40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40) .....	2,848.07	299.48
22 34 30 19-0003	EA		50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50) .....	2,965.72	307.06

**22 34 36 Commercial Gas Domestic Water Heaters (22 34)**

**22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters (22 34 36)**

**22 34 36 13-0001 Gas Fired Commercial Water Heaters (A.O. Smith BTR) (22 34 36 13)**  
 Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 13-0002	EA		120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120) .....	7,004.73	454.90
22 34 36 13-0003	EA		154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154) .....	7,494.14	530.72
22 34 36 13-0004	EA		180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180) .....	9,253.90	606.54
22 34 36 13-0005	EA		199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199) .....	8,034.96	606.54
22 34 36 13-0006	EA		199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200) .....	9,204.11	606.54
22 34 36 13-0007	EA		199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A) .....	12,221.69	667.19
22 34 36 13-0008	EA		250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250) .....	8,948.81	682.36
22 34 36 13-0009	EA		250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A) .....	13,176.49	750.59
22 34 36 13-0010	EA		251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251) .....	9,083.89	682.36
22 34 36 13-0011	EA		251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A) .....	12,581.46	750.59
22 34 36 13-0012	EA		275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275) .....	10,094.76	834.00
22 34 36 13-0013	EA		275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A) .....	13,799.56	917.39
22 34 36 13-0014	EA		305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305) .....	11,316.98	834.00
22 34 36 13-0015	EA		305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A) .....	13,879.97	917.39
22 34 36 13-0016	EA		365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365) .....	10,986.23	909.81
22 34 36 13-0017	EA		365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A) .....	15,317.22	1,000.79
22 34 36 13-0018	EA		390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400) .....	13,864.81	909.81
22 34 36 13-0019	EA		390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A) .....	18,083.29	1,000.79
22 34 36 13-0020	EA		500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500) .....	18,004.72	985.62
22 34 36 13-0021	EA		150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151) .....	9,005.77	530.72
22 34 36 13-0022	EA		150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A) .....	10,784.43	583.79
22 34 36 13-0023	EA		199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201) .....	9,382.55	606.54
22 34 36 13-0024	EA		199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A) .....	11,224.62	667.19
22 34 36 13-0025	EA		Sidewall Power Vent System For BTR-120 through BTR-200 .....	2,366.27	379.09
22 34 36 13-0026	EA		Sidewall Power Vent System For BTR-250 through BTR-500 .....	2,575.33	379.09

**22 34 36 13-0027 Removal And Reinstallation Of Water Heater (22 34 36 13)**

Note: Includes storage and cleaning.

22 34 36 13-0028	EA		Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon .....	689.25	
22 34 36 13-0029	EA		Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon .....	1,822.53	

**22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters (22 34 36)**

**22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) (22 34 36 19)**  
 Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100).....	5,734.27	454.90
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120).....	8,130.46	454.90
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154).....	9,906.35	530.72
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)....	10,331.38	606.54
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)....	10,379.63	606.54
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200).....	10,604.77	606.54
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A).....	12,430.75	667.19
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250).....	11,705.23	682.36
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A).....	14,366.54	750.59
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275).....	12,314.05	834.00
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A).....	15,053.94	917.39
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)....	12,571.36	834.00
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A).....	15,214.76	917.39
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)....	14,089.95	909.81
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A).....	16,539.44	1,000.79
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)....	17,000.76	909.81
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A).....	19,594.98	1,000.79

**22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH)** (22 34 36 19)

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80).....	4,479.89	454.90
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100).....	5,959.41	454.90
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120).....	7,181.63	454.90
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A).....	10,295.99	500.39
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150).....	10,549.62	530.72
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A).....	13,277.11	583.79
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199).....	10,733.43	606.54
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A).....	13,701.21	667.19
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250).....	12,396.74	682.36
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A).....	15,058.06	750.59
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A).....	19,685.50	917.39
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A).....	20,704.62	1,000.79
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A).....	23,798.31	1,084.19

**22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters** (22 34 36 23)

**22 34 36 23-0001 Gas Fired Domestic Hot Water Skid Package (Laars Mighty Therm)** (22 34 36 23)

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400).....	97,960.41	1,963.87
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000).....	118,419.61	2,086.61
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000).....	143,859.25	2,209.35
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000).....	171,951.80	2,332.10
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000).....	180,234.68	2,454.83

**22 34 36 23-0007 Gas Fired Water Heaters, High Efficiency (90%)** (22 34 36 23)

Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.

22 34 36 23-0008	EA	500 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency.....	24,709.84	1,385.94
		<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0009	EA	750 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency.....	33,079.30	1,616.43
		<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0010	EA	1,000 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency.....	38,844.72	1,939.11
		<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0011	EA	1,200 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency.....	42,878.44	2,429.79
		<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0012	EA	1,500 MBH Input, Domestic Hot Water Boiler, Natural Gas Fired, High Efficiency.....	47,870.80	2,668.77
		<i>For Skid Mounting, Add</i>	950.00	



**22 Plumbing**  
**22 30 Plumbing Equipment**  
**22 34 Fuel-Fired Domestic Water Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 34 36 23-0013 Gas Fired Volume Water Heater (Laars Mighty Therm) (22 34 36 23)**

22 34 36 23-0014	EA		200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	12,399.39	1,113.65
22 34 36 23-0015	EA		300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	13,462.27	1,252.86
22 34 36 23-0016	EA		400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	15,605.24	1,531.28
22 34 36 23-0017	EA		500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	22,620.49	1,670.49
22 34 36 23-0018	EA		750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	24,903.57	1,948.90
22 34 36 23-0019	EA		1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	28,486.15	2,227.32
22 34 36 23-0020	EA		1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	31,478.24	2,505.74
22 34 36 23-0021	EA		1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	37,588.77	2,784.14
22 34 36 23-0022	EA		1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	39,011.54	2,923.35
22 34 36 23-0023	EA		2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	41,835.13	3,062.56

**22 34 36 23-0024 Gas Fired Condensing Volume Water Heaters, High Efficiency (Laars NeoTherm) (22 34 36 23)**

Note: Includes relief valve, pump, flow switch, drain valve, low air pressure switch, hi limit reset switch and copper finned heat exchanger.

22 34 36 23-0025	EA		150 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV150)	20,024.32	835.11
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0026	EA		199 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV199)	23,124.96	1,113.65
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0027	EA		285 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV285)	30,216.13	1,252.86
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0028	EA		399 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV399)	37,933.24	1,531.28
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0029	EA		500 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV500)	44,781.49	1,670.49
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0030	EA		600 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV600)	50,619.01	1,809.70
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0031	EA		750 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV750)	60,705.39	1,948.90
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0032	EA		850 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV850)	67,258.84	2,088.11
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0033	EA		1,000 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1000)	88,319.74	2,227.32
			<i>For Skid Mounting, Add</i>	950.00	
22 34 36 23-0034	EA		1,700 MBH Gas Fired Condensing Volume Water Heater (Laars Neotherm NTV1700)	118,706.10	2,923.35
			<i>For Skid Mounting, Add</i>	950.00	

**22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters (22 34 36)**

**22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters (22 34 36 26)**

22 34 36 26-0002	EA		1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	37,748.02	2,115.95
22 34 36 26-0003	EA		1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	53,022.23	2,338.69
22 34 36 26-0004	EA		2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	57,494.23	2,450.05
22 34 36 26-0005	EA		2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	62,281.27	2,672.78

**22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)**

22 34 36 26-0007	EA		1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	33,584.68	2,115.95
22 34 36 26-0008	EA		1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	37,102.82	2,338.69
22 34 36 26-0009	EA		2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	40,512.89	2,450.05
22 34 36 26-0010	EA		2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	44,021.47	2,672.78

**22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters (22 34 36 26)**

22 34 36 26-0012	EA		200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,834.34	1,002.29
22 34 36 26-0013	EA		300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,724.10	1,113.65
22 34 36 26-0014	EA		400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	11,433.61	1,336.39
22 34 36 26-0015	EA		500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	15,898.56	1,392.07
22 34 36 26-0016	EA		750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	17,578.52	1,670.49
22 34 36 26-0017	EA		1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	21,653.68	2,004.59
22 34 36 26-0018	EA		1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	24,539.96	2,115.95
22 34 36 26-0019	EA		1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	27,172.19	2,283.00
22 34 36 26-0020	EA		1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	29,615.87	2,394.37
22 34 36 26-0021	EA		2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	31,730.86	2,450.05

**22 34 36 26-0022 Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters (22 34 36 26)**

22 34 36 26-0023	EA		700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	24,562.11	1,670.49
22 34 36 26-0024	EA		1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	27,167.44	2,004.59
22 34 36 26-0025	EA		1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	32,463.14	2,283.00
22 34 36 26-0026	EA		1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	33,484.27	2,394.37
22 34 36 26-0027	EA		2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	34,997.85	2,450.05

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 34 36 26-0028</b>	<b>Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters</b> <small>(22 34 36 26)</small>		
22 34 36 26-0029	EA 1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	29,538.72	2,004.59
22 34 36 26-0030	EA 1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	35,609.69	2,283.00
22 34 36 26-0031	EA 2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire).....	37,813.00	2,450.05

**22 34 46 Oil-Fired Domestic Water Heaters** (22 34)

**22 34 46 11 Standard-capacity, Oil-Fired Domestic Water Heaters** (22 34 46)

<b>22 34 46 11-0001</b>	<b>Oil-Fired Domestic Water Heaters (Bock)</b> <small>(22 34 46 11)</small>		
Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 46 11-0002	EA 60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E).....	2,373.76	233.52
22 34 46 11-0003	EA 104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E).....	2,342.32	233.52
22 34 46 11-0004	EA 104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES).....	2,443.33	233.52
22 34 46 11-0005	EA 125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E).....	2,578.86	239.59
22 34 46 11-0006	EA 140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES).....	3,270.61	245.64
22 34 46 11-0007	EA 152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E).....	2,771.12	245.64

**22 34 46 11-0008 Oil Fired Commercial Water Heaters** (22 34 46 11)

Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.			
22 34 46 11-0009	EA 173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E).....	3,844.79	363.92
22 34 46 11-0010	EA 199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E).....	4,502.39	363.92
22 34 46 11-0011	EA 242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E).....	4,527.68	363.92
22 34 46 11-0012	EA 190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E).....	6,513.40	485.23
22 34 46 11-0013	EA 415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E).....	8,922.88	606.54
22 34 46 11-0014	EA 623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E).....	11,212.35	667.19

**22 35 Domestic Water Heat Exchangers** (22 30)

**22 35 23 Circulating, Domestic Water Heat Exchangers** (22 35)

**22 35 23 13 Circulating, Compact Domestic Water Heat Exchangers** (22 35 23)

<b>22 35 23 13-0001</b>	<b>Steam Driven Water Heaters</b> <small>(22 35 23 13)</small>		
<b>22 35 23 13-0002</b>	<b>Constant Flow</b> <small>(22 35 23 13-0001)</small>		
22 35 23 13-0003	EA 30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow.....	6,844.26	758.17
22 35 23 13-0004	EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow.....	8,539.76	929.07
22 35 23 13-0005	EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow.....	10,954.71	1,215.05
22 35 23 13-0006	EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow.....	14,846.92	1,692.39
22 35 23 13-0007	EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow.....	22,048.15	2,787.35
22 35 23 13-0008	EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow.....	24,087.43	3,159.00
22 35 23 13-0009	EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow.....	31,366.55	3,644.99
22 35 23 13-0010	EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow.....	37,703.14	4,307.79
<b>22 35 23 13-0011</b>	<b>Variable Flow</b> <small>(22 35 23 13-0001)</small>		
22 35 23 13-0012	EA 30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow.....	10,473.67	1,478.44
22 35 23 13-0013	EA 90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow.....	11,933.42	1,805.21
22 35 23 13-0014	EA 140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow.....	15,237.98	2,334.26
22 35 23 13-0015	EA 230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow.....	20,078.10	3,256.81
22 35 23 13-0016	EA 500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow.....	30,246.58	5,446.71
22 35 23 13-0017	EA 900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow.....	36,504.83	5,998.21
22 35 23 13-0018	EA 1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow.....	42,321.39	7,020.08
22 35 23 13-0019	EA 2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow.....	53,349.16	8,386.91

**22 35 23 13-0020 Aerco Steam Fired Water Heaters** (22 35 23 13-0001)

Note: For 5 to 15 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.			
22 35 23 13-0021	EA 10 GPM, B+04/2.00/ Pneumatic Aerco Steam Fired Water Heater.....	40,846.14	1,592.15
22 35 23 13-0022	EA 20 GPM, B+05/2.50/ Pneumatic Aerco Steam Fired Water Heater.....	48,323.50	2,122.89
22 35 23 13-0023	EA 30 GPM, B+07/3.00/ Pneumatic Aerco Steam Fired Water Heater.....	54,054.90	2,487.73
22 35 23 13-0024	EA 40 GPM, B+09/4.00/ Pneumatic Aerco Steam Fired Water Heater.....	56,963.11	2,985.28
22 35 23 13-0025	EA 50 GPM, B+11/4.00/ Pneumatic Aerco Steam Fired Water Heater.....	66,090.89	3,980.37

**22 35 23 13-0026 Pneumatic Temperature Control Valve** (22 35 23 13-0001)

Note: For aerco steam fired water heaters. For 30 to 50 PSIG steam. Excludes air compressor. See CSI section 22 35 23 13-0043 for air compressors.			
22 35 23 13-0027	EA 10 GPM, B+03/1.00/ Pneumatic Temperature Control Valve.....	37,134.92	1,592.15
22 35 23 13-0028	EA 20 GPM, B+04/1.25/ Pneumatic Temperature Control Valve.....	40,305.06	1,990.19
22 35 23 13-0029	EA 30 GPM, B+05/1.25/ Pneumatic Temperature Control Valve.....	43,151.66	2,487.73
22 35 23 13-0030	EA 40 GPM, B+06/2.00/ Pneumatic Temperature Control Valve.....	47,697.35	2,985.27
22 35 23 13-0031	EA 50 GPM, B+07/2.00/ Pneumatic Temperature Control Valve.....	51,940.34	3,980.37
22 35 23 13-0032	EA 60 GPM, B+10/2.00/ Pneumatic Temperature Control Valve.....	59,098.99	4,975.46
22 35 23 13-0033	EA 70 GPM, B+11/2.50/ Pneumatic Temperature Control Valve.....	67,937.56	5,970.55
22 35 23 13-0034	EA 80 GPM, B+14/2.50/ Pneumatic Temperature Control Valve.....	75,525.89	6,965.64

**22 Plumbing****22 30 Plumbing Equipment****22 35 Domestic Water Heat Exchangers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 35 23 13-0035			<b>Aerco Water To Water Heaters</b> (22 35 23 13-0001) Note: For 180 F to 200 F boiled water. Air compressor not required.		
22 35 23 13-0036	EA		10 GPM, WW3E+06/1.50/ Self-Contained Temperature Control Valve.....	51,534.32	1,592.15
22 35 23 13-0037	EA		20 GPM, WW3E+08/2.00/ Self-Contained Temperature Control Valve.....	57,466.37	1,990.19
22 35 23 13-0038	EA		30 GPM, WW3E+10/2.50/ Self-Contained Temperature Control Valve.....	67,526.50	2,487.73
22 35 23 13-0039	EA		40 GPM, WW3E+12/2.50/ Self-Contained Temperature Control Valve.....	73,141.31	3,980.31
22 35 23 13-0040	EA		50 GPM, WW3E+14/3.00/ Self-Contained Temperature Control Valve.....	82,754.50	3,980.37
22 35 23 13-0041	EA		60 GPM, WW3E+15/3.00/ Self-Contained Temperature Control Valve.....	88,438.50	4,975.46
22 35 23 13-0042	EA		70 GPM, WW3E+17/3.00/ Self-Contained Temperature Control Valve.....	95,151.11	5,970.55
22 35 23 13-0043			<b>Compressor For Steam Fired Hot Water Heaters</b> (22 35 23 13) Note: Includes regulator and filter.		
22 35 23 13-0044	EA		1/2 HP, 2 Gallon Tank, 125 PSI, 115 Volt, Air Compressor.....	1,935.26	475.46

**22 40 Plumbing Fixtures** (22)**22 41 Residential Plumbing Fixtures** (22 40)**22 41 26 Residential Disposers** (22 41)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 26 00-0001			<b>Disposals</b> (22 41 26)		
22 41 26 00-0002	EA		1/3 HP Insulated Garbage Disposal.....	324.50	92.46
22 41 26 00-0003	EA		1/2 HP Insulated Garbage Disposal.....	364.96	92.46
22 41 26 00-0004	EA		3/4 HP Insulated Garbage Disposal.....	466.10	92.46
22 41 26 00-0005	EA		1 HP Insulated Garbage Disposal.....	567.24	92.46

**22 41 39 Residential Faucets, Supplies, and Trim** (22 41)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 41 39 00-0001			<b>Residential Kitchen Faucets</b> (22 41 39)		
22 41 39 00-0002	EA		Chrome Single Handle Kitchen Faucet (Delta 100LF-WF).....	228.14	69.83
22 41 39 00-0003	EA		Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF).....	259.99	69.83
22 41 39 00-0004	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF).....	259.99	69.83
22 41 39 00-0005	EA		Chrome Two Handle Kitchen Faucet, Three Hole Installation 8" Center (Delta 2102LF-LHP+H215).....	251.20	69.83
22 41 39 00-0006	EA		Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215).....	268.31	69.83
22 41 39 00-0007			<b>Residential Lavatory Faucets</b> (22 41 39)		
22 41 39 00-0008	EA		Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST).....	203.97	50.27
			<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0009	EA		Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF).....	203.97	50.27
			<i>For Faucet With Brass Pop-Up, Add</i>	11.00	
22 41 39 00-0010	EA		Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF).....	151.58	50.27
			<i>For Faucet With Brass Pop-Up, Add</i>	16.50	
			<i>For Faucet With Plastic Pop-Up, Add</i>	14.00	
22 41 39 00-0011			<b>Residential Bath And Shower Faucets</b> (22 41 39)		
22 41 39 00-0012	EA		Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501).....	263.93	60.61
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0013	EA		Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502).....	307.50	60.61
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	25.00	
22 41 39 00-0014	EA		Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275).....	244.94	60.61
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
			<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0015	EA		Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375).....	268.40	60.61
			<i>For Faucet With Polished Nickel Or Brass Finish, Add</i>	75.00	
			<i>For Faucet With Lever Handles, Add</i>	8.10	
22 41 39 00-0016	EA		Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602).....	293.66	37.91
22 41 39 00-0017	EA		Wall Mount, Hand Shower With Hose (Delta 55011).....	247.00	37.91
22 41 39 00-0018	EA		Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS).....	337.14	37.91
22 41 39 00-0019			<b>Residential Laundry Faucets</b> (22 41 39)		
22 41 39 00-0020	EA		Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF).....	177.41	44.58
22 41 39 00-0021			<b>Residential Laundry/Wash Basin Faucets</b> (22 41 39)		
22 41 39 00-0022	EA		Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF).....	178.73	44.58
22 41 39 00-0023	EA		Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503).....	250.28	49.12
22 41 39 00-0024			<b>Other Residential Faucets</b> (22 41 39)		
22 41 39 00-0025	EA		Sillcock, Compact, Brass, IPS Or Copper To Hose.....	48.61	11.37

**22 42 Commercial Plumbing Fixtures** (22 40)

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

**22 42 13 Commercial Water Closets, Urinals, and Bidets** (22 42)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 42 13 13 Commercial Water Closets (22 42 13)**

**22 42 13 13-0001 Vitreous China Water Closets (22 42 13 13)**

Note: With a 2" ball pass.

**22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets (22 42 13 13-0001)**

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™).....	795.23	145.23
22 42 13 13-0004	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo™).....	910.49	145.23
22 42 13 13-0005	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™).....	1,120.48	145.23
22 42 13 13-0006	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet®).....	1,023.10	145.23
22 42 13 13-0007	EA		1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E).....	829.23	145.23

**22 42 13 13-0008 Wall Hung Elongated Vitreous China Water Closets (22 42 13 13-0001)**

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0009	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall®).....	928.62	178.75
22 42 13 13-0010	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard AFWall® ADA Retrofit).....	1,096.43	178.75
22 42 13 13-0011	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™).....	1,324.30	178.75
22 42 13 13-0012	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV).....	1,005.48	178.75
22 42 13 13-0013	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL).....	890.39	178.75
22 42 13 13-0014	EA		Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459).....	923.74	178.75

**22 42 13 13-0015 Floor Mounted Elongated Handicapped Water Closets (22 42 13 13-0001)**

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0016	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA).....	803.66	145.23
22 42 13 13-0017	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®).....	818.24	145.23
22 42 13 13-0018	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®).....	882.49	145.23
22 42 13 13-0019	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron).....	961.98	145.23
22 42 13 13-0020	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA).....	958.67	145.23
22 42 13 13-0021	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA).....	1,212.37	145.23
22 42 13 13-0022	EA		2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA).....	1,053.39	145.23
22 42 13 13-0023	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN).....	869.12	145.23

**22 42 13 13-0024 Stainless Steel Water Closets (22 42 13 13)**

22 42 13 13-0025	EA		Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS).....	3,310.05	314.20
22 42 13 13-0026	EA		Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS).....	3,476.25	314.20

**22 42 13 13-0027 Water Closet Carriers (22 42 13 13)**

**22 42 13 13-0028 Pipe Grip Adaptor Type, Water Closet Carriers (22 42 13 13-0027)**

Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.

22 42 13 13-0029	EA		Pipe Grip Adaptor Type, Water Closet Carrier.....	723.32	73.73
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**22 42 13 13-0030 No-Hub, Water Closet Carriers (22 42 13 13-0027)**

Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.

22 42 13 13-0031	EA		Vertical Close With Offset, No-Hub, Single Water Closet Carrier.....	1,113.23	73.73
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-95.67	
			For Positioning Frame, Add	62.59	
			For Supply Pipe Support, Add	64.02	
			For Vandal Proof Trim, Add	81.42	
			For Auxiliary Inlet, Add	271.79	
			For Special Duty 500 LB Carrier, Add	454.18	
22 42 13 13-0032	EA		Vertical Close On Stack, No-Hub, Single Water Closet Carrier.....	1,113.23	73.73
			For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	-95.67	
			For Positioning Frame, Add	62.59	
			For Supply Pipe Support, Add	64.02	
			For Vandal Proof Trim, Add	81.42	
			For Auxiliary Inlet, Add	271.79	
			For Special Duty 500 LB Carrier, Add	454.18	

**22 Plumbing**

**22 40 Plumbing Fixtures**

**22 42 Commercial Plumbing Fixtures**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0033	EA		Horizontal Adjustable, No-Hub, Single Water Closet Carrier .....	1,214.64	73.73
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-95.67	
			<i>For Positioning Frame, Add</i>	62.59	
			<i>For Supply Pipe Support, Add</i>	64.02	
			<i>For Vandal Proof Trim, Add</i>	81.42	
			<i>For Auxiliary Inlet, Add</i>	271.79	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	278.00	
			<i>For Carrier For Wide Chase Installations, Add</i>	368.40	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	454.19	
22 42 13 13-0034	EA		Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier .....	1,344.61	73.73
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-95.67	
			<i>For Positioning Frame, Add</i>	62.59	
			<i>For Supply Pipe Support, Add</i>	64.02	
			<i>For Vandal Proof Trim, Add</i>	81.42	
			<i>For 4" Branch, Add</i>	213.73	
			<i>For Auxiliary Inlet, Add</i>	271.79	
			<i>For Carrier For Wide Chase Installations, Add</i>	368.40	
			<i>For Double 4" Branches, Add</i>	428.89	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	454.19	
22 42 13 13-0035	EA		Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier .....	1,850.68	108.23
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-191.37	
			<i>For Positioning Frame, Add</i>	135.66	
			<i>For Supply Pipe Support, Add</i>	138.52	
			<i>For Vandal Proof Trim, Add</i>	162.84	
			<i>For Auxiliary Inlet, Add</i>	292.73	
			<i>For Special Duty 500 LB Carrier, Add</i>	908.36	
22 42 13 13-0036	EA		Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier .....	1,902.11	108.23
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-191.37	
			<i>For Positioning Frame, Add</i>	135.66	
			<i>For Supply Pipe Support, Add</i>	138.52	
			<i>For Vandal Proof Trim, Add</i>	162.84	
			<i>For Auxiliary Inlet, Add</i>	292.73	
			<i>For Special Duty 500 LB Carrier, Add</i>	908.36	
22 42 13 13-0037	EA		Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier .....	2,312.01	108.23
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-191.37	
			<i>For Positioning Frame, Add</i>	135.66	
			<i>For Supply Pipe Support, Add</i>	138.52	
			<i>For Vandal Proof Trim, Add</i>	162.84	
			<i>For 4" Branch, Add</i>	224.21	
			<i>For Auxiliary Inlet, Add</i>	292.73	
			<i>For Double 4" Branches, Add</i>	449.83	
			<i>For Carrier For Wide Chase Installations, Add</i>	799.64	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	908.38	
22 42 13 13-0038	EA		Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier .....	2,177.75	108.23
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-191.37	
			<i>For Positioning Frame, Add</i>	135.66	
			<i>For Supply Pipe Support, Add</i>	138.52	
			<i>For Vandal Proof Trim, Add</i>	162.84	
			<i>For Horizontal No Hub Cast Long Barrel, Add</i>	288.48	
			<i>For Carrier For Wide Chase Installations, Add</i>	799.64	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	908.38	
22 42 13 13-0039			<b>Hub And Spigot, Water Closet Carriers</b> <small>(22 42 13 13-0027)</small>		
			Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0040	EA		Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier .....	1,115.96	73.73
			<i>For Positioning Frame, Add</i>	62.59	
			<i>For Supply Pipe Support, Add</i>	64.02	
			<i>For Vandal Proof Trim, Add</i>	81.42	
			<i>For Hanger Type Closet Adapter, Add</i>	204.24	
			<i>For Auxiliary Inlet, Add</i>	271.79	
22 42 13 13-0041	EA		Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier .....	1,113.23	73.73
			<i>For Positioning Frame, Add</i>	62.59	
			<i>For Supply Pipe Support, Add</i>	64.02	
			<i>For Vandal Proof Trim, Add</i>	81.42	
			<i>For Auxiliary Inlet, Add</i>	271.79	
			<i>For Special Duty 500 LB Carrier, Add</i>	454.18	
22 42 13 13-0042	EA		Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier .....	1,393.16	73.73
			<i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i>	-95.67	
			<i>For Positioning Frame, Add</i>	62.59	
			<i>For Supply Pipe Support, Add</i>	64.02	
			<i>For Vandal Proof Trim, Add</i>	81.42	
			<i>For 4" Branch, Add</i>	213.73	
			<i>For Auxiliary Inlet, Add</i>	271.79	
			<i>For Carrier For Wide Chase Installations, Add</i>	368.40	
			<i>For Double 4" Branches, Add</i>	428.89	
			<i>For Special Duty 1,000 LB Carrier, Add</i>	454.19	
22 42 13 13-0043	EA		Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier .....	1,855.34	108.23
			<i>For Positioning Frame, Add</i>	135.66	
			<i>For Supply Pipe Support, Add</i>	138.52	
			<i>For Vandal Proof Trim, Add</i>	162.84	
			<i>For Auxiliary Inlet, Add</i>	292.73	
			<i>For Hanger Type Closet Adapter, Add</i>	408.48	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0044 EA Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier ..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For 4" Branch, Add</i> <i>For Auxiliary Inlet, Add</i> <i>For Double 4" Branches, Add</i> <i>For Carrier For Wide Chase Installations, Add</i> <i>For Special Duty 1,000 LB Carrier, Add</i>	2,360.57 -191.37 135.66 138.52 162.84 224.21 292.73 449.83 799.64 908.38	108.23
<b>22 42 13 13-0045 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers</b> <small>(22 42 13 13-0027)</small> Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.		
22 42 13 13-0046 EA Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier ..... <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Hanger Type Closet Adapter, Add</i>	863.28 62.59 64.02 81.42 204.24	73.73
<b>22 42 13 13-0047 Institutional Water Closet Carriers</b> <small>(22 42 13 13-0027)</small> Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.		
22 42 13 13-0048 EA Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier ..... <i>For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct</i> <i>For Positioning Frame, Add</i> <i>For Supply Pipe Support, Add</i> <i>For Vandal Proof Trim, Add</i> <i>For Auxiliary Inlet, Add</i>	3,023.29 -191.37 135.66 138.52 162.84 292.73	108.23
<b>22 42 13 13-0049 Removal And Reinstallation Of Fixtures And Trim</b> <small>(22 42 13 13)</small> Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 13 13-0050 EA Removal And Reinstallation Of Wall Hung Water Closet With Tank ..... 22 42 13 13-0051 EA Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve ..... 22 42 13 13-0052 EA Removal And Reinstallation Of Floor Mount Water Closet With Tank ..... 22 42 13 13-0053 EA Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve .....	637.71 637.71 490.31 490.31	
<b>22 42 13 16 Commercial Urinals</b> <small>(22 42 13)</small>		
<b>22 42 13 16-0001 Vitreous China Urinals</b> <small>(22 42 13 16)</small> Note: Excludes flush valve unless indicated otherwise.		
<b>22 42 13 16-0002 Wall Hung Urinals</b> <small>(22 42 13 16-0001)</small>		
22 42 13 16-0003 EA Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™) ..... 22 42 13 16-0004 EA Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®) ..... 22 42 13 16-0005 EA Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™) ..... 22 42 13 16-0006 EA Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™) ..... 22 42 13 16-0007 EA Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™) ..... 22 42 13 16-0008 EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV) ..... 22 42 13 16-0009 EA Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV) .....	729.47 855.16 920.05 853.11 747.17 871.57 770.00	149.42 149.42 149.42 149.42 149.42 149.42 149.42
<b>22 42 13 16-0010 Floor Mounted Urinals</b> <small>(22 42 13 16-0001)</small>		
22 42 13 16-0011 EA Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™) ..... 22 42 13 16-0012 EA Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932) ..... 22 42 13 16-0013 EA Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931) ..... 22 42 13 16-0014 EA Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™) .....	1,130.74 369.61 327.64 1,241.19	188.52 34.91 34.91 188.52
<b>22 42 13 16-0015 Waterfree Urinals</b> <small>(22 42 13 16-0001)</small>		
22 42 13 16-0016 EA Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free) ..... 22 42 13 16-0017 EA Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000) ..... 22 42 13 16-0018 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000) ..... 22 42 13 16-0019 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000) ..... 22 42 13 16-0020 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000) ..... 22 42 13 16-0021 EA Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000) ..... 22 42 13 16-0022 EA Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000) .....	726.85 1,317.01 1,145.11 896.43 896.43 1,092.01 1,614.51	104.74 104.74 104.74 104.74 104.74 104.74 104.74
<b>22 42 13 16-0023 Stainless Steel Urinals</b> <small>(22 42 13 16)</small>		
22 42 13 16-0024 EA Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1) ..... 22 42 13 16-0025 EA 5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C) .....	3,403.54 4,396.78	314.20 384.03
<b>22 42 13 16-0026 Urinal Carriers</b> <small>(22 42 13 16)</small>		
<b>22 42 13 16-0027 Floor Mounted, Urinal Carriers</b> <small>(22 42 13 16-0026)</small> Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 13 16-0028 EA Floor Mounted Hanger Plate Type, Single Urinal Carrier ..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i> 22 42 13 16-0029 EA Floor Mounted Bearing Plate Type, Single Urinal Carrier ..... <i>For Up To 4" Extension Sleeves And Hardware, Add</i>	630.46 29.99 683.30 29.99	53.06 53.06

**22 Plumbing**

**22 40 Plumbing Fixtures**

**22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 42 13 16-0030		<b>Wall Mounted, Urinal Carriers</b> (22 42 13 16-0026) Note: Includes wall plate and adjustable supporting rods.			
22 42 13 16-0031	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier ..... <i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i>	290.53 29.99		53.06
22 42 13 16-0032		<b>Removal And Reinstallation Of Fixtures And Trim</b> (22 42 13 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.			
22 42 13 16-0033	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve .....	636.16		
<b>22 42 16</b>		<b>Commercial Lavatories and Sinks</b> (22 42)			
<b>22 42 16 13</b>		<b>Commercial Lavatories</b> (22 42 16)			
22 42 16 13-0001		<b>Lavatories</b> (22 42 16 13) Note: Includes trap, drain and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.			
22 42 16 13-0002		<b>Wall Hung Lavatories</b> (22 42 16 13-0001)			
22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	695.20		93.56
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™) .....	722.00		93.56
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™) .....	872.14		93.56
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™) .....	646.32		93.56
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™) .....	571.43		93.56
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®) .....	694.76		93.56
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users) .....	800.05		93.56
22 42 16 13-0010		<b>Countertop Lavatories</b> (22 42 16 13-0001)			
22 42 16 13-0011	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval) .....	694.31		113.11
22 42 16 13-0012	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™) .....	728.58		113.11
22 42 16 13-0013	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™) .....	764.99		113.11
22 42 16 13-0014	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®) .....	973.66		122.19
22 42 16 13-0015		<b>Cultured Marble Vanity Tops</b> (22 42 16 13-0001) Note: Includes predrilled holes for faucet.			
22 42 16 13-0016	EA	19" x 17" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	413.70		97.75
22 42 16 13-0017	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	460.64		104.74
22 42 16 13-0018	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	515.67		111.72
22 42 16 13-0019	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	612.36		118.70
22 42 16 13-0020	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	819.93		125.68
22 42 16 13-0021	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	490.90		104.74
22 42 16 13-0022	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	524.19		111.72
22 42 16 13-0023	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	662.71		118.70
22 42 16 13-0024	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	718.18		122.19
22 42 16 13-0025	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink .....	798.64		125.68
22 42 16 13-0026	EA	61" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Two Sinks .....	1,494.39		132.66
22 42 16 13-0027	EA	73" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Two Sinks .....	1,711.44		139.62
22 42 16 13-0028	EA	19" End Splash For Cultured Marble Vanity Tops .....	38.66		
22 42 16 13-0029	EA	22" End Splash For Cultured Marble Vanity Tops .....	40.10		
22 42 16 13-0030		<b>Quartz Vanity Tops</b> (22 42 16 13-0001) Note: Includes predrilled holes for faucet.			
22 42 16 13-0031	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	856.84		104.74
22 42 16 13-0032	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	893.99		111.72
22 42 16 13-0033	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	1,018.31		118.70
22 42 16 13-0034	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	1,026.88		122.19
22 42 16 13-0035	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink .....	1,114.05		125.68
22 42 16 13-0036	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,463.55		132.66
22 42 16 13-0037	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks .....	1,713.74		139.62
22 42 16 13-0038	EA	22" End Splash For Quartz Vanity Tops .....	46.32		
22 42 16 13-0039		<b>Solid Surface Vanity Tops</b> (22 42 16 13-0001) Note: Includes predrilled holes for faucet.			
22 42 16 13-0040	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	731.86		104.74
22 42 16 13-0041	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	815.25		111.72
22 42 16 13-0042	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	909.36		118.70
22 42 16 13-0043	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	993.80		122.19
22 42 16 13-0044	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,071.19		125.68
22 42 16 13-0045	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,172.57		129.17
22 42 16 13-0046	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink .....	1,296.53		132.66
22 42 16 13-0047	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,326.88		132.66
22 42 16 13-0048	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks .....	1,428.10		139.62
22 42 16 13-0049	EA	22" End Splash For Solid Surface Vanity Tops .....	67.63		
22 42 16 13-0050		<b>Stainless Steel Lavatories</b> (22 42 16 13-0001)			
22 42 16 13-0051	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1) .....	1,817.14		244.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 16 13-0052			<b>Solid Surface Multi-Station Lavatory Systems</b> (22 42 16 13-0001) Note: ADA compliant. Includes integral faucets.		
22 42 16 13-0053	EA		2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2).....	7,076.75	199.45
			<i>For Integral Liquid Soap Dispenser, Add</i> .....	171.00	
			<i>For Integral Photovoltaic Power Panels, Add</i> .....	563.00	
22 42 16 13-0054	EA		3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3).....	10,355.04	199.45
			<i>For Integral Liquid Soap Dispenser, Add</i> .....	171.00	
			<i>For Integral Photovoltaic Power Panels, Add</i> .....	657.00	
22 42 16 13-0055	EA		12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12).....	491.52	66.49
22 42 16 13-0056	EA		18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18).....	604.89	66.49
22 42 16 13-0057	EA		36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36).....	1,182.28	66.49
22 42 16 13-0058			<b>Lavatory Carriers</b> (22 42 16 13)		
22 42 16 13-0059			<b>Floor Mounted, Lavatory Carriers</b> (22 42 16 13-0058)		
22 42 16 13-0060			<b>Floor Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0059) Note: Includes adjustable supporting rods, structural uprights and welded feet.		
22 42 16 13-0061	EA		Floor Mounted Hanger Plate Type, Single Lavatory Carrier.....	630.46	53.06
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	29.99	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	107.60	
			<i>For Corner Carrier, Add</i> .....	209.50	
22 42 16 13-0062	EA		Floor Mounted Bearing Plate Type, Single Lavatory Carrier.....	683.30	53.06
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	29.99	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	107.60	
22 42 16 13-0063	EA		Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier.....	778.99	53.06
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	59.98	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	215.20	
22 42 16 13-0064	EA		Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier.....	888.97	53.06
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	59.98	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	215.20	
22 42 16 13-0065			<b>Floor Mounted, Lavatory Carriers With Arms</b> (22 42 16 13-0059) Note: Includes leveling and securing screws, structural uprights and welded feet.		
22 42 16 13-0066	EA		Floor Mounted, Single Lavatory Carrier With Concealed Arms.....	808.81	62.84
			<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> .....	29.99	
			<i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> .....	41.43	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	110.39	
			<i>For 2" Chrome Plated Escutcheons, Add</i> .....	101.40	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i> .....	184.24	
22 42 16 13-0067	EA		Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	1,069.72	62.84
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> .....	29.99	
			<i>For Vandal Proof Trim, Add</i> .....	81.42	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	110.39	
			<i>For Heavy Duty Carrier, Add</i> .....	104.26	
22 42 16 13-0068	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms.....	1,070.98	62.84
			<i>For Up To 6-1/2" Extension Sleeves And Hardware, Add</i> .....	59.98	
			<i>For Concealed Arm Carrier For Wheelchair Lavatory, Add</i> .....	82.85	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	220.78	
			<i>For 2" Chrome Plated Escutcheons, Add</i> .....	202.81	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i> .....	368.49	
22 42 16 13-0069	EA		Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms.....	1,571.04	62.84
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> .....	59.98	
			<i>For Vandal Proof Trim, Add</i> .....	162.84	
			<i>For Valve Plate For Attaching To Upright, Add</i> .....	220.78	
			<i>For Heavy Duty Carrier, Add</i> .....	208.51	
22 42 16 13-0070			<b>Wall Mounted, Lavatory Carriers</b> (22 42 16 13-0058)		
22 42 16 13-0071			<b>Wall Mounted Plate Type, Lavatory Carriers</b> (22 42 16 13-0070) Note: Includes wall plate and adjustable supporting rods.		
22 42 16 13-0072	EA		Wall Mounted Hanger Plate Type, Single Lavatory Carrier.....	290.53	53.06
			<i>For Double Plate Carrier, Add</i> .....	84.28	
22 42 16 13-0073			<b>Wall Mounted Plate Type, Lavatory Carriers With Arms</b> (22 42 16 13-0070) Note: Includes wall plate and leveling and securing screws.		
22 42 16 13-0074	EA		Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms.....	474.15	62.84
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	29.99	
			<i>For 2" Chrome Plated Escutcheons, Add</i> .....	101.40	
22 42 16 13-0075	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms.....	554.13	62.84
			<i>For Movable Mounting Brackets, Deduct</i> .....	-77.13	
			<i>For Up To 4" Extension Sleeves And Hardware, Add</i> .....	29.99	
			<i>For 2" Chrome Plated Escutcheons, Add</i> .....	101.40	
			<i>For 4" Or 6" Chrome Plated Escutcheons, Add</i> .....	184.24	
22 42 16 13-0076	EA		Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms.....	801.22	62.84
			<i>For Up To 4-1/2" Extension Sleeves And Hardware, Add</i> .....	29.99	
			<i>For Vandal Proof Trim, Add</i> .....	81.42	
22 42 16 13-0077			<b>Removal And Reinstallation Of Lavatory And Trim</b> (22 42 16 13) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 16 13-0078	EA		Removal And Reinstallation Of Wall Hung Lavatory With Faucet.....	410.72	

**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**22 42 16 16 Commercial Sinks (22 42 16)**

22 42 16 16-0001	Sinks (22 42 16 16) Note: Includes drain, trap and supply valves. Excludes faucets. See CSI section 22 42 39 00-0000 for faucets.		
22 42 16 16-0002	Kitchen Sinks (22 42 16 16-0001)		
22 42 16 16-0003	EA 25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®).....	868.73	131.27
22 42 16 16-0004	EA 22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®).....	1,091.55	149.42
22 42 16 16-0005	EA 15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517).....	1,040.95	128.48
	For 18 Gauge, Add	258.64	
22 42 16 16-0006	EA 17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722).....	1,063.69	128.48
	For 18 Gauge, Add	270.01	
22 42 16 16-0007	EA 22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222).....	1,114.86	128.48
	For 18 Gauge, Add	295.60	
22 42 16 16-0008	EA 25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522).....	1,165.72	131.27
	For 18 Gauge, Add	312.65	
22 42 16 16-0009	EA 31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122).....	1,442.63	149.42
	For 18 Gauge, Add	424.45	
22 42 16 16-0010	EA 33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321).....	1,470.20	149.42
	For 18 Gauge, Add	437.99	
22 42 16 16-0011	EA 15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710).....	1,409.52	128.48
22 42 16 16-0012	EA 17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210).....	1,435.10	128.48
22 42 16 16-0013	EA 22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210).....	1,499.53	128.48
22 42 16 16-0014	EA 25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210).....	1,591.13	131.27
22 42 16 16-0015	EA 31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210).....	1,905.94	149.42

**22 42 16 16-0016 Undermount Kitchen Sinks (22 42 16 16-0001)**

22 42 16 16-0017	EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99).....	1,273.01	128.48
22 42 16 16-0018	EA 21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99).....	1,270.24	128.48
22 42 16 16-0019	EA 21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99).....	1,282.48	128.48
22 42 16 16-0020	EA 21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99).....	1,346.91	128.48

**22 42 16 16-0021 Multi-Station Wash Sink, Wall Mounted (22 42 16 16-0001)**

22 42 16 16-0022	EA 36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,164.43	226.92
	Note: Excludes faucets.		
22 42 16 16-0023	EA 48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	2,805.23	244.38
	Note: Excludes faucets.		
22 42 16 16-0024	EA 60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™).....	3,195.08	261.84
	Note: Excludes faucets.		
22 42 16 16-0025	EA 48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,512.91	174.55
	Note: Excludes faucets.		
22 42 16 16-0026	EA 62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	2,785.52	192.01
	Note: Excludes faucets.		
22 42 16 16-0027	EA 80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	3,053.04	209.47
	Note: Excludes faucets.		
22 42 16 16-0028	EA 102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951).....	3,388.56	235.66
	Note: Excludes faucets.		
22 42 16 16-0029	EA 27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain.....	3,207.14	384.03
	Note: Includes sensor operated spray heads.		

**22 42 16 16-0030 Utility Or Laundry Sinks (22 42 16 16-0001)**

22 42 16 16-0031	EA 23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1).....	823.26	149.42
22 42 16 16-0032	EA 40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II).....	920.94	149.42
22 42 16 16-0033	EA 22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1).....	821.16	149.42
22 42 16 16-0034	EA 24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210).....	1,166.38	149.42
22 42 16 16-0035	EA 48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220).....	1,592.21	167.57

**22 42 16 16-0036 Refinish Sink/Lavatory (22 42 16 16-0001)**

22 42 16 16-0037	EA Refinish Sink/Lavatory.....	312.04	
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**22 42 16 16-0038 Service Sinks (22 42 16 16-0001)**

22 42 16 16-0039	EA 22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™).....	1,187.39	224.82
22 42 16 16-0040	EA 24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™).....	1,240.67	224.82
22 42 16 16-0041	EA 28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™).....	1,537.50	297.44
22 42 16 16-0042	EA 12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F).....	690.89	209.47
22 42 16 16-0043	EA 24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424).....	775.95	209.47
22 42 16 16-0044	EA 36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624).....	864.52	251.36

**22 42 16 16-0045 Stainless Steel Sink And Drainboard (22 42 16 16-0001)**

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	22 42 16 16-0046	EA		Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L).....	4,603.08	349.12
	<b>22 42 16 16-0047</b>			<b>Sink Carriers</b> (22 42 16 16)		
	<b>22 42 16 16-0048</b>			<b>Floor Mounted, Sink Carriers</b> (22 42 16 16-0047) Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.		
	22 42 16 16-0049	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling.....	909.82	53.06
				For Vandal Proof Trim, Add	81.42	
				For Valve Plate For Attaching To Upright, Add	107.60	
	22 42 16 16-0050	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting.....	1,397.42	53.06
				For Vandal Proof Trim, Add	81.42	
				For Auxiliary Vent, Add	243.30	
	22 42 16 16-0051	EA		Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms.....	1,745.93	53.06
				For Up To 4" Extension Sleeves And Hardware, Add	61.41	
				For Vandal Proof Trim, Add	81.42	
	<b>22 42 16 16-0052</b>			<b>Removal And Reinstallation Of Sink And Trim</b> (22 42 16 16) Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
	22 42 16 16-0053	EA		Removal And Reinstallation Of Wall Hung Service Sink With Faucet.....	563.09	
	<b>22 42 19</b>			<b>Commercial Bathtubs</b> (22 42)		
	22 42 19 00-0001			<b>Recessed Alcove Bathtubs</b> (22 42 19)		
	22 42 19 00-0002			<b>Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
	22 42 19 00-0003	EA		54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™).....	1,639.64	388.21
	22 42 19 00-0004	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®).....	1,429.84	388.21
	22 42 19 00-0005	EA		60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®).....	1,644.91	388.21
	22 42 19 00-0006	EA		66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®).....	2,066.86	388.21
	22 42 19 00-0007			<b>Porcelain Enameled Steel, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
	22 42 19 00-0008	EA		60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®).....	823.74	388.21
	22 42 19 00-0009	EA		60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®).....	838.76	388.21
	22 42 19 00-0010			<b>Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
	22 42 19 00-0011	EA		60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™).....	1,134.53	388.21
	22 42 19 00-0012			<b>Acrylic, Recessed Alcove Bathtubs</b> (22 42 19 00-0001)		
	22 42 19 00-0013	EA		60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®).....	1,162.94	388.21
	22 42 19 00-0014	EA		60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,344.58	388.21
	22 42 19 00-0015	EA		66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,368.04	388.21
	22 42 19 00-0016	EA		72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®).....	1,353.62	388.21
	22 42 19 00-0017	EA		72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®).....	1,405.49	388.21
	22 42 19 00-0018			<b>Bathtub Refinishing</b> (22 42 19 00-0001)		
	22 42 19 00-0019	EA		Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel.....	768.04	
	22 42 19 00-0020			<b>Tub And Shower Combinations</b> (22 42 19)		
	22 42 19 00-0021			<b>Acrylic Tub And Shower Combination</b> (22 42 19 00-0020)		
	22 42 19 00-0022	EA		1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032).....	1,434.66	143.60
				For 2 Piece Enclosure, Deduct	-315.74	
	22 42 19 00-0023			<b>Fiberglass Tub And Shower Combination</b> (22 42 19 00-0020)		
	22 42 19 00-0024	EA		1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG).....	989.53	143.60
	22 42 19 00-0025	EA		2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P).....	764.42	95.73
	22 42 19 00-0026	EA		4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P).....	1,554.26	216.74
	<b>22 42 23</b>			<b>Commercial Showers</b> (22 42)		
	22 42 23 00-0001			<b>Shower Enclosures</b> (22 42 23) Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
	22 42 23 00-0002			<b>Powder Coated Or Baked Enamel Steel Shower Enclosure</b> (22 42 23 00-0001)		
	22 42 23 00-0003	EA		32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,865.93	225.24
	22 42 23 00-0004	EA		36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	1,865.93	225.24
	22 42 23 00-0005	EA		40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions).....	2,771.82	225.24
	22 42 23 00-0006	EA		40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions).....	3,040.76	225.24
	22 42 23 00-0007			<b>Solid Plastic Core High Density Polymer (HDP) Shower Enclosure</b> (22 42 23 00-0001)		
	22 42 23 00-0008	EA		32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	3,012.45	225.24



**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 42 23 00-0009	EA 36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	3,012.45	225.24
22 42 23 00-0010	EA 40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions).....	4,286.37	225.24
22 42 23 00-0011	EA 40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions).....	4,781.78	225.24
<b>22 42 23 00-0012 Personnel Type Shower Receptors (22 42 23)</b>			
<b>22 42 23 00-0013 Acrylic Shower Receptors (22 42 23 00-0012)</b>			
22 42 23 00-0014	EA 36" x 36" Acrylic Shower Receptor .....	506.19	56.87
22 42 23 00-0015	EA 42" x 42" Acrylic Shower Receptor .....	532.60	56.87
22 42 23 00-0016	EA 48" x 48" Acrylic Shower Receptor .....	585.33	56.87
22 42 23 00-0017	EA 60" x 60" Acrylic Shower Receptor .....	711.15	68.23
22 42 23 00-0018	EA 48" x 32" Acrylic Shower Receptor .....	507.43	56.87
22 42 23 00-0019	EA 48" x 36" Acrylic Shower Receptor .....	542.16	56.87
22 42 23 00-0020	EA 48" x 42" Acrylic Shower Receptor .....	606.77	56.87
22 42 23 00-0021	EA 60" x 30" Acrylic Shower Receptor .....	970.39	137.05
22 42 23 00-0022	EA 60" x 32" Acrylic Shower Receptor .....	678.28	68.23
22 42 23 00-0023	EA 60" x 36" Acrylic Shower Receptor .....	682.75	68.23
22 42 23 00-0024	EA 60" x 42" Acrylic Shower Receptor .....	686.85	68.23
22 42 23 00-0025	EA 60" x 48" Acrylic Shower Receptor .....	751.05	68.23
22 42 23 00-0026	EA 36" x 36" Acrylic Corner Shower Receptor .....	717.86	56.87
22 42 23 00-0027	EA 42" x 42" Acrylic Corner Shower Receptor .....	817.53	56.87
22 42 23 00-0028	EA 47-1/2" x 47-1/2" Acrylic Corner Shower Receptor .....	1,308.65	130.20
<b>22 42 23 00-0029 Molded Stone Shower Receptors (22 42 23 00-0012)</b>			
22 42 23 00-0030	EA 32" x 32" Molded Stone Shower Receptor (Fiat 32WL) .....	352.63	56.87
22 42 23 00-0031	EA 34" x 34" Molded Stone Shower Receptor (Fiat 34WL) .....	367.53	56.87
22 42 23 00-0032	EA 36" x 36" Molded Stone Shower Receptor (Fiat 36WL) .....	369.19	56.87
22 42 23 00-0033	EA 42" x 42" Molded Stone Shower Receptor (Fiat 4242WL) .....	442.86	56.87
22 42 23 00-0034	EA 42" x 34" Molded Stone Shower Receptor (Fiat 42WL) .....	398.16	56.87
22 42 23 00-0035	EA 48" x 32" Molded Stone Shower Receptor (Fiat 4832WL) .....	418.86	56.87
22 42 23 00-0036	EA 48" x 34" Molded Stone Shower Receptor (Fiat 48WL) .....	421.34	56.87
22 42 23 00-0037	EA 54" x 34" Molded Stone Shower Receptor (Fiat 54WL) .....	489.87	68.23
22 42 23 00-0038	EA 60" x 34" Molded Stone Shower Receptor (Fiat 60WL) .....	505.60	68.23
22 42 23 00-0039	EA 36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC).....	402.30	56.87
22 42 23 00-0040	EA 38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC).....	411.41	56.87
<b>22 42 23 00-0041 Precast Terrazzo Shower Receptors (22 42 23 00-0012)</b>			
22 42 23 00-0042	EA 30" x 30" Precast Terrazzo Shower Receptor.....	622.50	56.87
22 42 23 00-0043	EA 32" x 32" Precast Terrazzo Shower Receptor.....	644.85	56.87
22 42 23 00-0044	EA 34" x 34" Precast Terrazzo Shower Receptor.....	665.55	56.87
22 42 23 00-0045	EA 36" x 36" Precast Terrazzo Shower Receptor.....	668.03	56.87
22 42 23 00-0046	EA 40" x 40" Precast Terrazzo Shower Receptor.....	726.81	56.87
22 42 23 00-0047	EA 42" x 42" Precast Terrazzo Shower Receptor.....	756.61	56.87
22 42 23 00-0048	EA 48" x 48" Precast Terrazzo Shower Receptor.....	1,044.69	56.87
22 42 23 00-0049	EA 36" x 32" Precast Terrazzo Shower Receptor.....	660.58	56.87
22 42 23 00-0050	EA 42" x 32" Precast Terrazzo Shower Receptor.....	672.45	56.87
22 42 23 00-0051	EA 42" x 34" Precast Terrazzo Shower Receptor.....	693.69	56.87
22 42 23 00-0052	EA 42" x 36" Precast Terrazzo Shower Receptor.....	720.18	56.87
22 42 23 00-0053	EA 32" x 48" Precast Terrazzo Shower Receptor.....	722.67	56.87
22 42 23 00-0054	EA 48" x 34" Precast Terrazzo Shower Receptor.....	756.61	56.87
22 42 23 00-0055	EA 54" x 32" Precast Terrazzo Shower Receptor.....	790.55	56.87
22 42 23 00-0056	EA 60" x 30" Precast Terrazzo Shower Receptor.....	1,061.59	68.23
22 42 23 00-0057	EA 60" x 32" Precast Terrazzo Shower Receptor.....	1,155.52	68.23
22 42 23 00-0058	EA 60" x 34" Precast Terrazzo Shower Receptor.....	1,160.13	68.23
22 42 23 00-0059	EA 60" x 36" Precast Terrazzo Shower Receptor.....	1,164.71	68.23
22 42 23 00-0060	EA 32" x 32" Precast Terrazzo Corner Shower Receptor.....	671.34	56.87
22 42 23 00-0061	EA 34" x 34" Precast Terrazzo Corner Shower Receptor.....	672.45	56.87
22 42 23 00-0062	EA 36" x 36" Precast Terrazzo Corner Shower Receptor.....	674.65	56.87
22 42 23 00-0063	EA 40" x 40" Precast Terrazzo Corner Shower Receptor.....	799.65	56.87
22 42 23 00-0064	EA 36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor .....	1,416.38	56.87
22 42 23 00-0065	EA 60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor .....	1,580.94	68.23
22 42 23 00-0066	EA 60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor .....	1,645.51	68.23
<b>22 42 23 00-0067 Shower Receptors Accessories (22 42 23 00-0012)</b>			
22 42 23 00-0068	SF Polyvinyl Chloride (PVC) Shower Pan Liner .....	4.69	
<b>22 42 23 00-0069 Removal And Reinstallation Of Fixtures And Trim (22 42 23)</b>			
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.			
22 42 23 00-0070	EA Removal And Reinstallation Of Shower Head .....	68.23	
<b>22 42 26 Commercial Disposers (22 42)</b>			
See CSI section 22 41 26 00-0001 for disposals.			
<b>22 42 33 Wash Fountains (22 42)</b>			
<b>22 42 33 00-0001 Circular Wash Fountain, Deep Bowl (22 42 33)</b>			
Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 33 00-0002	EA		36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD).....	9,507.36	232.70
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0003	EA		36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD).....	5,201.67	232.70
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0004	EA		36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE).....	8,831.11	232.70
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0005	EA		54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD).....	12,091.34	265.93
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0006	EA		54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD).....	5,998.64	265.93
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0007	EA		54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE).....	10,566.92	265.93
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
<b>22 42 33 00-0008</b>			<b>Semi-Circular Wash Fountain, Deep Bowl</b> <small>(22 42 33)</small>		
			Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.		
22 42 33 00-0009	EA		36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD).....	8,291.90	199.45
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0010	EA		36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD).....	4,734.62	199.45
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0011	EA		36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE).....	6,720.97	199.45
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0012	EA		54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD).....	10,164.48	232.70
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0013	EA		54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD).....	5,704.29	232.70
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
22 42 33 00-0014	EA		54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE).....	7,990.11	232.70
			<i>For Metal Soap Dispenser, Add</i> .....	100.00	
			<i>For Stainless Steel Pedestal Panels, Add</i> .....	100.00	
<b>22 42 39</b>			<b>Commercial Faucets, Supplies, and Trim</b> <small>(22 42)</small>		
<b>22 42 39 00-0001</b>			<b>Kitchen Faucets</b> <small>(22 42 39)</small>		
22 42 39 00-0002	EA		Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST).....	244.41	69.83
22 42 39 00-0003	EA		Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST).....	231.28	69.83
22 42 39 00-0004	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24).....	228.98	69.83
22 42 39 00-0005	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24).....	249.54	69.83
22 42 39 00-0006	EA		Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF).....	318.87	69.83
22 42 39 00-0007	EA		Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF).....	231.88	69.83
22 42 39 00-0008	EA		Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF).....	224.09	69.83
22 42 39 00-0009	EA		Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF).....	262.15	69.83
22 42 39 00-0010	EA		Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24).....	438.46	69.83
22 42 39 00-0011	EA		Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24).....	479.33	69.83
22 42 39 00-0012	EA		Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP).....	454.03	75.81
			<i>For Faucet With Temperature Control, Add</i> .....	40.00	
22 42 39 00-0013	EA		Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP).....	452.04	75.81
22 42 39 00-0014	EA		Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP).....	342.05	75.81
22 42 39 00-0015	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR).....	764.68	69.83
22 42 39 00-0016	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK).....	963.03	69.83
22 42 39 00-0017	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB).....	1,029.15	69.83
22 42 39 00-0018	EA		Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR).....	764.68	69.83
22 42 39 00-0019	EA		Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK).....	963.03	69.83
22 42 39 00-0020	EA		Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB).....	1,029.15	69.83
<b>22 42 39 00-0021</b>			<b>Lavatory Faucets</b> <small>(22 42 39)</small>		
22 42 39 00-0022	EA		4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU).....	250.17	50.27
22 42 39 00-0023	EA		4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM).....	273.20	50.27
22 42 39 00-0024	EA		Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU).....	332.70	50.27

**22 Plumbing**

**22 40 Plumbing Fixtures**

**22 42 Commercial Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0025	EA		Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF) .....	385.54	50.27
22 42 39 00-0026	EA		Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104) .....	240.23	50.27
22 42 39 00-0027	EA		Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002) .....	359.17	50.27
22 42 39 00-0028	EA		Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665) .....	262.33	50.27
			<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0029	EA		3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710) .....	268.12	50.27
22 42 39 00-0030	EA		3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712) .....	321.19	50.27
22 42 39 00-0031	EA		4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805) .....	314.91	50.27
<b>22 42 39 00-0032 Bath And Shower Faucets (22 42 39)</b>					
<b>22 42 39 00-0033 Bath And Shower Faucets With Valve Body (22 42 39 00-0032)</b>					
22 42 39 00-0034	EA		Single Lever Handle, Chrome Tub Filler, Pressure-Balance (American Standard T480 500) .....	270.64	60.61
22 42 39 00-0035	EA		Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501) .....	314.21	60.61
22 42 39 00-0036	EA		Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502) .....	342.14	60.61
22 42 39 00-0037	EA		Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505) .....	251.64	60.61
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0038	EA		Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501) .....	262.82	60.61
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0039	EA		Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502) .....	295.21	60.61
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
22 42 39 00-0040	EA		Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502) .....	332.08	60.61
			<i>For Faucet With Metal Cross Handles, Add</i>	45.75	
<b>22 42 39 00-0041 Shower Valves And Trim (22 42 39)</b>					
See CSI section 22 41 39 00-0011 for residential shower valves and heads.					
22 42 39 00-0042	EA		Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319) .....	449.29	94.26
22 42 39 00-0043	EA		Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP) .....	960.62	94.26
22 42 39 00-0044	EA		Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP) .....	678.94	94.26
22 42 39 00-0045	EA		Senior Institutional Shower Head (Symmons® 4-150) .....	263.65	60.61
22 42 39 00-0046	EA		Universal Institutional Shower Head (Symmons® 4-151) .....	430.00	60.61
22 42 39 00-0047	EA		Fre-Flo Institutional Shower Head (Symmons® 4-295) .....	307.45	60.61
22 42 39 00-0048	EA		Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385) .....	235.72	60.61
22 42 39 00-0049	EA		Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X) .....	956.69	90.77
22 42 39 00-0050	EA		Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X) .....	795.35	104.74
22 42 39 00-0051	EA		Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X) .....	1,038.11	104.74
22 42 39 00-0052	EA		Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X) .....	1,449.42	111.72
22 42 39 00-0053	EA		Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S) .....	1,317.69	94.26
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0054	EA		Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807) .....	1,560.12	94.26
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	106.44	
			<i>For Recessed Soap Dish, Add</i>	108.12	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	165.51	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0055	EA		Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S) .....	1,073.31	94.26
			<i>For Hand Spray, Hose And Wall Hooks, Add</i>	19.32	
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	78.39	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0056	EA		Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS) .....	1,602.74	94.26
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0057	EA		Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS) .....	1,716.86	94.26
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0058	EA		Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931) .....	3,138.30	94.26
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	227.79	
22 42 39 00-0059	EA		Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921) .....	2,745.78	94.26
			<i>For Recessed Soap Dish, Add</i>	83.94	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0060	EA		Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231) .....	1,395.43	94.26
22 42 39 00-0061	EA		Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS) .....	2,123.62	94.26
			<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
			<i>For Pressure Balance And Metering Combination, Add</i>	291.63	
22 42 39 00-0062	EA		Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60) .....	1,393.60	94.26

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 39 00-0063	EA			Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS).....	1,389.58	94.26
				<i>For Hand Spray, Hose And 30" Slide Bar, Add</i>	59.07	
<b>22 42 39 00-0064</b>				<b>Service Sink Faucets (22 42 39)</b>		
22 42 39 00-0065	EA			4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™).....	579.42	116.25
22 42 39 00-0066	EA			3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243).....	453.84	116.25
22 42 39 00-0067	EA			6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012).....	469.49	116.25
22 42 39 00-0068	EA			7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101).....	616.40	162.97
22 42 39 00-0069	EA			7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110).....	691.53	185.73
22 42 39 00-0070	EA			11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115).....	789.84	185.73
22 42 39 00-0071	EA			44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB).....	938.20	185.73
<b>22 42 39 00-0072</b>				<b>Laboratory Faucets And Fittings (22 42 39)</b>		
22 42 39 00-0073	EA			Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927).....	235.78	49.43
22 42 39 00-0074	EA			Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929).....	382.82	69.83
22 42 39 00-0075	EA			Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930).....	490.33	69.83
22 42 39 00-0076	EA			Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933).....	307.80	65.22
22 42 39 00-0077	EA			6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940).....	419.55	93.00
22 42 39 00-0078	EA			6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP).....	559.72	93.00
22 42 39 00-0079	EA			Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946).....	446.45	69.83
22 42 39 00-0080	EA			Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942).....	445.02	93.00
22 42 39 00-0081	EA			Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP).....	289.39	53.68
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0082	EA			Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP).....	407.80	75.81
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0083	EA			4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802).....	318.96	75.81
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0084	EA			4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317ABCP).....	384.90	75.81
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0085	EA			Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP).....	107.81	46.64
22 42 39 00-0086	EA			Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP).....	614.63	83.78
22 42 39 00-0087	EA			Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP).....	783.98	83.78
22 42 39 00-0088	EA			Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP).....	938.26	83.78
22 42 39 00-0089	EA			Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP).....	832.31	83.78
22 42 39 00-0090	EA			Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM).....	986.80	83.78
<b>22 42 39 00-0091</b>				<b>Gooseneck Faucets With Independent Eyewash (22 42 39)</b>		
22 42 39 00-0092	EA			Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA).....	917.35	52.37
22 42 39 00-0093	EA			Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL).....	991.41	48.88
22 42 39 00-0094	EA			8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8).....	1,275.68	52.37
22 42 39 00-0095	EA			Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST).....	1,346.22	52.37
22 42 39 00-0096	EA			Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW).....	1,624.25	34.91
22 42 39 00-0097	EA			Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP).....	1,975.21	87.28
22 42 39 00-0098	EA			Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW).....	2,744.73	87.28
22 42 39 00-0099	EA			8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW).....	2,834.50	87.28
<b>22 42 39 00-0100</b>				<b>Bubblers And Glass Fillers (22 42 39)</b>		
22 42 39 00-0101	EA			Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP).....	405.59	49.43
22 42 39 00-0102	EA			Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP).....	367.27	65.22
22 42 39 00-0103	EA			7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP).....	400.24	49.43
22 42 39 00-0104	EA			Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP).....	258.32	70.81
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0105	EA			Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF).....	473.62	53.68
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0106	EA			Push Button Bubbler, 1/2" OD (Haws 5017LF).....	479.76	53.68
				<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0107	EA			Push Button Bubbler, 3/8" NPT (Haws 5010-6427).....	402.12	53.68
				<i>For Faucet With Temperature Control, Add</i>	40.00	
<b>22 42 39 00-0108</b>				<b>Automatic Electronic Sensor Faucets (22 42 39)</b>		



**22 Plumbing****22 40 Plumbing Fixtures****22 42 Commercial Plumbing Fixtures**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
22 42 39 00-0109	EA Electronic Lavatory Faucet (American Standard 6055.205.002)..... <i>For Faucet With Temperature Control, Add</i>	748.78 40.00	116.47
22 42 39 00-0110	EA Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)..... <i>For Faucet With Temperature Control, Add</i>	755.48 40.00	116.47
22 42 39 00-0111	EA Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1) .....	1,004.66	126.46
22 42 39 00-0112	EA Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1) .....	1,042.86	116.47
22 42 39 00-0113	EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880).....	1,535.47	126.46
22 42 39 00-0114	EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT) .....	1,913.19	126.46
22 42 39 00-0115	EA Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187).....	1,789.33	126.46
22 42 39 00-0116	EA Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM).....	1,256.97	116.47
22 42 39 00-0117	EA Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100).....	1,099.33	116.47
22 42 39 00-0118	EA Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101) .....	1,159.64	116.47
22 42 39 00-0119	EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102).....	1,008.86	116.47
22 42 39 00-0120	EA Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100).....	1,159.64	116.47
22 42 39 00-0121	EA Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102) .....	1,017.26	116.47
22 42 39 00-0122	EA Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100).....	1,017.26	116.47
22 42 39 00-0123	EA Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101) .....	1,141.26	116.47
22 42 39 00-0124	EA Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102).....	972.84	116.47
22 42 39 00-0125	EA 4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103).....	934.79	116.47
22 42 39 00-0126	EA Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60) .....	1,498.41	116.47
<b>22 42 39 00-0127</b>	<b>Other Trim (22 42 39)</b>		
22 42 39 00-0128	EA Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330) .....	23.46	7.58
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0129	EA 1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP).....	149.23	22.75
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0130	EA 1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP).....	62.77	18.96
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0131	EA 1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP) .....	131.86	18.96
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0132	EA Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102).....	74.06	20.95
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0133	EA Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus).....	76.93	20.95
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0134	EA Lavatory Protective Enclosure (IPS Truebro Lav Shield).....	178.77	20.95
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0135	EA 36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	215.69	20.95
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0136	EA 42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard).....	242.51	20.95
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0137	EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036).....	46.57	14.66
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0138	EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037).....	46.57	14.66
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0139	EA 1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558).....	62.28	14.66
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0140	PR Pair of 16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line .....	44.97	16.11
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0141	EA 12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	27.79	9.47
	<i>For Faucet With Temperature Control, Add</i>	40.00	
22 42 39 00-0142	EA 12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line.....	28.50	9.47
	<i>For Faucet With Temperature Control, Add</i>	40.00	
<b>22 42 39 00-0143</b>	<b>Removal And Reinstallation Of Fixtures And Trim (22 42 39)</b>		
	Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 39 00-0144	EA Removal And Reinstallation Of Faucet .....	121.31	
<b>22 42 43</b>	<b>Flushometers (22 42)</b>		
<b>22 42 43 00-0001</b>	<b>Water Closet Flush Valves (22 42 43)</b>		
22 42 43 00-0002	EA Exposed Manual Water Closet Flush Valve (Sloan Regal-115).....	352.54	47.62
22 42 43 00-0003	EA Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6).....	341.92	47.62
22 42 43 00-0004	EA Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111).....	395.25	47.62
22 42 43 00-0005	EA Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140).....	544.84	47.62
22 42 43 00-0006	EA Top Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-142) .....	604.78	47.62
22 42 43 00-0007	EA Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S) .....	1,096.94	47.62
22 42 43 00-0008	EA Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S).....	1,101.28	47.62
22 42 43 00-0009	EA Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S).....	1,161.75	47.62
22 42 43 00-0010	EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113) .....	1,080.56	47.62
22 42 43 00-0011	EA Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115).....	483.68	47.62
	Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.		
22 42 43 00-0012	EA Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110) .....	858.73	47.62
22 42 43 00-0013	EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A) .....	473.41	47.62
22 42 43 00-0014	EA Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X).....	471.21	47.62
22 42 43 00-0015	EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A) .....	472.37	41.89
22 42 43 00-0016	EA Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X).....	513.12	41.89
22 42 43 00-0017	EA 1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN).....	1,112.56	47.62
22 42 43 00-0018	EA Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32) .....	1,217.93	47.62
22 42 43 00-0019	EA 1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31) .....	1,549.14	47.62
22 42 43 00-0020	EA 1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32) .....	1,549.14	47.62



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 42 43 00-0021	EA		Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS).....	1,007.47	47.62
22 42 43 00-0022	EA		Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV).....	999.14	47.62
22 42 43 00-0023	EA		Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A) .....	495.25	41.89
22 42 43 00-0024	EA		6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451) .....	154.92	7.72
22 42 43 00-0025	EA		Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28) .....	595.94	47.62

**22 42 43 00-0026 Urinal Flush Valves** (22 42 43)

22 42 43 00-0027	EA		3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) .....	299.58	47.62
<i>Note: 0.5, 1.0 or 1.5 GPF.</i>					
22 42 43 00-0028	EA		1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) .....	321.71	47.62
<i>Note: 1.0, 1.5 or 3.5 GPF.</i>					
22 42 43 00-0029	EA		Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195).....	427.49	47.62
<i>Note: 1.0 or 1.5 GPF.</i>					
22 42 43 00-0030	EA		Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197).....	514.63	47.62
<i>Note: 1.0 or 1.5 GPF.</i>					
22 42 43 00-0031	EA		Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) .....	801.88	47.62
<i>Note: 1.0 or 1.5 GPF.</i>					
22 42 43 00-0032	EA		Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S).....	1,073.04	47.62
<i>Note: 0.5, 1.0 or 1.5 GPF.</i>					
22 42 43 00-0033	EA		Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S).....	1,202.18	47.62
<i>Note: 0.5, 1.0 or 1.5 GPF.</i>					
22 42 43 00-0034	EA		Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1).....	788.92	47.62
<i>Note: 1.0 GPF.</i>					
22 42 43 00-0035	EA		Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12).....	1,211.14	47.62
<i>Note: 0.5 GPF.</i>					
22 42 43 00-0036	EA		Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) .....	526.13	47.62
<i>Note: 0.13 GPF.</i>					

**22 42 43 00-0037 Removal And Reinstallation Of Fixtures And Trim** (22 42 43)

<i>Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.</i>					
22 42 43 00-0038	EA		Removal And Reinstallation Of Flush Valve .....	189.55	

**22 42 43 00-0039 Plumbing Control Transformers** (22 42 43)

22 42 43 00-0040	EA		6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6) .....	70.65	
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**22 42 49 Composting Toilets** (22 42)

**22 42 49 00-0001 Composting Toilets** (22 42 49)

22 42 49 00-0002	EA		Composting Toilet (Sun-Mar Excel) .....	2,827.81	680.77
<i>For Extra Urinal, Add</i>				<i>219.24</i>	
22 42 49 00-0003	EA		Composting Toilet (Sun-Mar Excel AC/DC) .....	3,019.15	680.77
<i>For Extra Urinal, Add</i>				<i>238.37</i>	
22 42 49 00-0004	EA		Composting Toilet (Sun-Mar Excel NE) .....	2,664.17	576.04
<i>For Extra Urinal, Add</i>				<i>212.65</i>	
22 42 49 00-0005	EA		Composting Toilet System (Clivus Multrum M-1).....	3,741.16	837.87
<i>For Extra Urinal, Add</i>				<i>295.91</i>	
22 42 49 00-0006	EA		Composting Toilet System (Clivus Multrum M-2).....	4,406.55	942.60
<i>For Extra Urinal, Add</i>				<i>352.69</i>	
22 42 49 00-0007	EA		Composting Toilet System (Clivus Multrum M-3).....	6,649.70	1,047.34
<i>For Extra Urinal, Add</i>				<i>567.22</i>	

**22 43 Healthcare Plumbing Fixtures** (22 40)

**22 43 13 Healthcare Water Closets** (22 43)

**22 43 13 00-0001 Healthcare Water Closets** (22 43 13)

22 43 13 00-0002	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA) .....	972.58	145.23
22 43 13 00-0003	EA		Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA).....	817.57	145.23

**22 43 16 Healthcare Sinks** (22 43)

**22 43 16 00-0001 Healthcare Sinks** (22 43 16)

<i>Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.</i>					
22 43 16 00-0002	EA		25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard) .....	1,330.38	93.56
<i>For Stainless Steel Rim Guards (Three Sides), Add</i>				<i>108.61</i>	
22 43 16 00-0003	EA		29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard).....	1,465.54	268.81
<i>For Stainless Steel Rim Guards (Three Sides), Add</i>				<i>108.61</i>	
<i>For Pedestal Base, Add</i>				<i>497.95</i>	
22 43 16 00-0004	EA		28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard).....	1,282.57	93.56
<i>For Painted Bracket Supports, Add</i>				<i>184.78</i>	
22 43 16 00-0005	EA		20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard).....	1,139.13	93.56

**22 43 39 Healthcare Faucets** (22 43)

**22 43 39 00-0001 Medical Faucet Spouts** (22 43 39)

22 43 39 00-0002	EA		Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522) .....	111.14	20.95
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**22 Plumbing****22 40 Plumbing Fixtures****22 43 Healthcare Plumbing Fixtures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
22 43 39 00-0003		<b>Centerset Medical Faucets</b> (22 43 39)			
22 43 39 00-0004	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04) .....	638.89		102.50
22 43 39 00-0005	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04) .....	645.88		102.50
22 43 39 00-0006	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04) .....	645.17		102.50
22 43 39 00-0007	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04) .....	578.85		102.50
22 43 39 00-0008	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04) .....	555.11		102.50
22 43 39 00-0009		<b>Electronic Proximity Medical Faucets</b> (22 43 39)			
22 43 39 00-0010	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU) .....	612.91		102.50
		<i>For Hard Wired AC Powered, Add</i>	24.73		
22 43 39 00-0011		<b>Bedpan Washers</b> (22 43 39)			
22 43 39 00-0012	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675) .....	1,502.27		186.29
22 43 39 00-0013	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676) .....	1,429.17		186.29
22 43 39 00-0014	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685) .....	1,407.51		186.29
22 43 39 00-0015	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686) .....	1,386.45		186.29
22 43 39 00-0016		<b>Foot And Knee Faucet Controls</b> (22 43 39)			
22 43 39 00-0017	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628) .....	498.96		186.29
22 43 39 00-0018	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625) .....	576.05		186.29
22 43 39 00-0019	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP) .....	1,170.22		186.29
22 43 39 00-0020	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676) .....	737.88		186.29
22 43 43		<b>Healthcare Plumbing Fixture Flushometers</b> (22 43)			
22 43 43 00-0001		<b>Healthcare Plumbing Fixture Flushometers</b> (22 43 43)			
22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117) .....	255.68		47.62
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW) .....	534.70		47.62
22 43 46		<b>Healthcare Patient Care Units</b> (22 43)			
22 43 46 00-0001		<b>Patient Care Units</b> (22 43 46)			
22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV) .....	20,443.40		279.29
		<i>For SDB Single Temperature Dialysis Box, Add</i>	1,480.62		
		<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,572.58		
		<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	1,183.34		
		<i>For LOCK Flush Valve Lockout Device, Add</i>	834.57		
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB) .....	16,123.99		244.38
		<i>For SDB Single Temperature Dialysis Box, Add</i>	1,480.62		
		<i>For DDB Dual Temperature Dialysis Box, Add</i>	1,572.58		
		<i>For BWSEV Bedpan Washer With Elevated Valve, Add</i>	1,183.34		
		<i>For LOCK Flush Valve Lockout Device, Add</i>	834.57		
22 43 46 00-0004		<b>Patient Care Plumbing Accessories</b> (22 43 46)			
22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920) .....	1,943.64		37.91
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919) .....	2,139.99		37.91
22 45		<b>Emergency Plumbing Fixtures</b> (22 40)			
22 45 13		<b>Emergency Showers</b> (22 45)			
22 45 13 00-0001		<b>Emergency Drench Showers</b> (22 45 13)			
22 45 13 00-0002		<b>Emergency Drench Showers (Haws)</b> (22 45 13 00-0001)			
		Note: Includes one pull rod.			
22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122) .....	816.22		244.38
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123) .....	917.84		244.38
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC) .....	974.30		244.38
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130) .....	1,143.68		244.38
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H) .....	1,493.72		244.38
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100) .....	1,224.79		279.29
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP) .....	1,345.43		314.20
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169) .....	1,238.16		314.20

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0011	EA		Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163).....	1,260.75	314.20
22 45 13 00-0012	EA		Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164).....	1,684.18	314.20
<b>22 45 13 00-0013</b>			<b>Emergency Drench Showers (Speakman) (22 45 13 00-0001)</b>		
			Note: Includes one pull rod.		
22 45 13 00-0014	EA		Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220).....	736.03	244.38
22 45 13 00-0015	EA		Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227).....	754.50	244.38
22 45 13 00-0016	EA		Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253).....	1,134.18	279.29
<b>22 45 16</b>			<b>Eyewash Equipment (22 45)</b>		
<b>22 45 16 00-0001</b>			<b>Emergency Eyewash Equipment (22 45 16)</b>		
<b>22 45 16 00-0002</b>			<b>Emergency Eyewash Equipment (Haws) (22 45 16 00-0001)</b>		
22 45 16 00-0003	EA		Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620).....	307.55	6.98
22 45 16 00-0004	EA		Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP).....	1,593.85	314.20
<b>22 45 23</b>			<b>Personal Eyewash Equipment (22 45)</b>		
<b>22 45 23 00-0001</b>			<b>Portable Eyewash Equipment (22 45 23)</b>		
<b>22 45 23 00-0002</b>			<b>Portable Eyewash Equipment (Bradley) (22 45 23 00-0001)</b>		
22 45 23 00-0003	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Clear Tank (Bradley S19-921).....	314.29	20.95
22 45 23 00-0004	EA		Wall Mounted, Portable Gravity Fed Eyewash Unit With Insulated Heater Jacket (Bradley S19-921H).....	1,605.49	20.95
22 45 23 00-0005	EA		5 Gallon Portable Pressurized Tank With Eyewash Only (Bradley S19-671).....	727.80	
22 45 23 00-0006	EA		5 Gallon Portable Pressurized Tank With Eyewash And 8' Drench Hose For Facewash (Bradley S19-672).....	868.20	
<b>22 45 26</b>			<b>Eye/Face Wash Equipment (22 45)</b>		
<b>22 45 26 00-0001</b>			<b>Emergency Eye/Face Wash Equipment (22 45 26)</b>		
<b>22 45 26 00-0002</b>			<b>Emergency Eye/Face Wash Equipment (Haws) (22 45 26 00-0001)</b>		
22 45 26 00-0003	EA		Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460).....	840.31	174.55
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0004	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324).....	878.32	244.38
22 45 26 00-0005	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B).....	861.39	244.38
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0006	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT).....	928.01	244.38
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0007	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B).....	934.78	244.38
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0008	EA		Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT).....	1,014.95	244.38
			Note: Excludes p-trap and tailpiece.		
22 45 26 00-0009	EA		Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC).....	1,335.64	244.38
22 45 26 00-0010	EA		Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B).....	2,408.35	244.38
22 45 26 00-0011	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271).....	1,066.71	279.29
22 45 26 00-0012	EA		Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461).....	1,196.56	279.29
22 45 26 00-0013	EA		Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777).....	2,506.40	279.29
22 45 26 00-0014	EA		Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611).....	664.70	69.83
22 45 26 00-0015	EA		Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612).....	642.12	69.83
22 45 26 00-0016	EA		Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH).....	670.35	69.83
22 45 26 00-0017	EA		Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610).....	834.08	69.83
22 45 26 00-0018	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC).....	2,120.97	349.12
22 45 26 00-0019	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM).....	2,495.11	279.29
22 45 26 00-0020	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC).....	2,595.23	349.12
22 45 26 00-0021	EA		Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM).....	2,980.65	279.29
<b>22 45 26 00-0022</b>			<b>Emergency Eye/Face Wash Equipment (Speakman) (22 45 26 00-0001)</b>		
22 45 26 00-0023	EA		Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495).....	812.98	244.38
22 45 26 00-0024	EA		Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496).....	986.43	279.29

**22 Plumbing**

**22 40 Plumbing Fixtures**

**22 45 Emergency Plumbing Fixtures**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**22 45 29 Hand-Held Emergency Drench Hoses (22 45)**

22 45 29 00-0001			Hand-Held Emergency Eye/Face/Body Wash With Hose (22 45 29)		
22 45 29 00-0002			Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) (22 45 29 00-0001)		
22 45 29 00-0003	EA		Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	716.55	87.28
22 45 29 00-0004	EA		Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	818.18	87.28

**22 45 33 Combination Emergency Fixture Units (22 45)**

22 45 33 00-0001			Emergency Shower With Eye/Face Wash (22 45 33)		
22 45 33 00-0002			Emergency Shower With Eye/Face Wash (Haws) (22 45 33 00-0001)		
22 45 33 00-0003	EA		Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	4,210.52	453.84
22 45 33 00-0004	EA		Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP)	2,923.27	453.84
22 45 33 00-0005	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	2,104.62	453.84
22 45 33 00-0006	EA		Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	3,216.85	453.84
22 45 33 00-0007	EA		Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	2,420.79	453.84
22 45 33 00-0008	EA		Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	2,290.93	453.84
22 45 33 00-0009	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,991.70	453.84
22 45 33 00-0010	EA		Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	3,115.23	453.84
22 45 33 00-0011	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	3,391.87	453.84
22 45 33 00-0012	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	3,453.98	453.84
22 45 33 00-0013	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,832.25	453.84
22 45 33 00-0014	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	4,052.44	453.84
22 45 33 00-0015	EA		Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	3,990.33	453.84
22 45 33 00-0016	EA		Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	5,853.46	453.84
22 45 33 00-0017	EA		Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	6,158.34	453.84
22 45 33 00-0018	EA		Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	12,763.98	453.84
22 45 33 00-0019	EA		Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,991.70	453.84
22 45 33 00-0020	EA		Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	2,223.18	453.84
22 45 33 00-0021			Emergency Shower With Eye/Face Wash (Speakman) (22 45 33 00-0001)		
22 45 33 00-0022	EA		Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,905.90	453.84

**22 45 36 Emergency Fixture Water-Tempering Equipment (22 45)**

22 45 36 00-0001			Emergency Fixture Water-Tempering Equipment (22 45 36)		
22 45 36 00-0002			Emergency Fixture Water-Tempering Equipment (Haws) (22 45 36 00-0001)		
22 45 36 00-0003	EA		10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	756.07	87.28
22 45 36 00-0004	EA		12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	1,089.18	87.28
22 45 36 00-0005	EA		31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,580.37	87.28
22 45 36 00-0006	EA		78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,857.01	87.28
22 45 36 00-0007	EA		31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,613.56	87.28
22 45 36 00-0008	EA		12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,754.70	87.28
22 45 36 00-0009	EA		74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	4,600.90	87.28
22 45 36 00-0010	EA		78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	5,521.17	87.28
22 45 36 00-0011	EA		1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	840.76	87.28

**22 45 39 Emergency Plumbing Fixture Accessories (22 45)**

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

22 45 39 00-0001		Emergency Plumbing Fixture Accessories (22 45 39)		
22 45 39 00-0002		Emergency Plumbing Fixture Accessories (Haws) (22 45 39 00-0001)		
22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220).....	197.01	27.92
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W) .....	270.40	27.92
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS).....	281.69	27.92
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS).....	303.24	10.48
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102).....	307.55	6.98
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020).....	338.44	13.97
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK).....	632.91	104.74
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP) .....	623.38	46.33
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT).....	916.96	46.33
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037).....	1,089.18	104.74
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP).....	2,017.90	46.33
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5).....	2,284.94	154.44
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001).....	2,330.10	154.44
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP) .....	4,260.99	154.44
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1) .....	8,043.70	154.44
22 45 39 00-0018		Emergency Plumbing Fixture Accessories (Speakman) (22 45 39 00-0001)		
22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers .....	1,136.95	104.74
		Note: Curtain includes stainless steel curtain rod and mounting accessories.		

**22 46 Security Plumbing Fixtures (22 46)**

**22 46 13 Security Water Closets and Urinals (22 46)**

**22 46 13 13 Security Water Closets (22 46 13)**

**22 46 13 13-0001 Replacement Blowout Toilets (22 46 13 13)**

22 46 13 13-0002	EA	Wall Mount Toilet For Replacement, Stainless Steel (Acorn 3330/3331) .....	3,384.19	293.26
22 46 13 13-0003	EA	Floor Mounted Toilet For Replacement, Stainless Steel (Acorn 3334/3335) .....	4,033.18	279.29

**22 46 13 16 Security Urinals (22 46 13)**

**22 46 13 16-0001 Replacement Urinals (22 46 13 16)**

22 46 13 16-0002	EA	Wall Mounted Straddle Urinal For Replacement, Stainless Steel (Acorn 3349) .....	4,728.55	349.12
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**22 46 13 19 Security Combination Toilet and Lavatory (22 46 13)**

**22 46 13 19-0001 Replacement Combination Units (22 46 13 19)**

Note: Includes hot and cold valve, bubbler, flush valve, paper holder, and mounting hardware.

22 46 13 19-0002	EA	18" Lav-Toilet Comby Replacement Unit, Stainless Steel (Acorn 3318).....	5,822.23	425.92
		For Auto Reset Flood-Trol, FTA, Add	230.00	
		For PWT Electronic FV And H And C, Add	248.00	
22 46 13 19-0003	EA	Angled ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1432).....	7,678.12	425.92
		For Auto Reset Flood-Trol, FTA, Add	230.00	
		For PWT Electronic FV And H And C, Add	248.00	
22 46 13 19-0004	EA	Flat Wall ADA Lav-Toilet Comby Unit, Stainless Steel (Acorn 1435).....	10,077.62	425.92
		For Auto Reset Flood-Trol, FTA, Add	230.00	
		For PWT Electronic FV And H And C, Add	248.00	

**22 46 16 Security Lavatories and Sinks (22 46)**

**22 46 16 13 Security Lavatories (22 46 16)**

**22 46 16 13-0001 Replacement Lavatories (22 46 16 13)**

Note: Includes hot and cold valve, bubbler, and mounting hardware.

22 46 16 13-0002	EA	15" Lavatory For Replacement, Stainless Steel (Acorn 3325).....	1,970.12	209.47
		For PWT Electronic H And C valve, Add	150.00	
22 46 16 13-0003	EA	18" Lavatory For Replacement, Stainless Steel (Acorn 3326).....	2,106.77	209.47
		For PWT Electronic H And C valve, Add	150.00	
22 46 16 13-0004	EA	18" ADA Front Access Lavatory, Stainless Steel (Acorn 1652-ADA-BP-4M-FA).....	2,257.51	209.47
		For PWT Electronic H And C valve, Add	150.00	

**22 46 19 Security Showers (22 46)**

**22 46 19 00-0001 Replacement Or New Shower Units (22 46 19)**

Note: Includes single temp air control valve, soap dish, anchor plate, towel hook, and mounting hardware.

22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD).....	11,364.21	558.58
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD).....	11,765.85	558.58
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD).....	12,179.22	558.58
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA) .....	15,415.83	558.58



**22 Plumbing****22 40 Plumbing Fixtures****22 46 Security Plumbing Fixtures**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 46 19 00-0006		<b>Wall Mounted Security Shower</b> (22 46 19) Note: Includes single temp air control valve, and mounting hardware.			
22 46 19 00-0007	EA	Wall Mounted Security Shower, Stainless Steel (Acorn 452)..... For PWT Electronic FV, Add	1,185.25	148.00	146.63
22 46 19 00-0008	EA	Wall Mounted ADA Security Shower, Stainless Steel (Acorn 452 ADA)..... For PWT Electronic FV, Add	1,417.87	148.00	146.63
<b>22 46 56</b>		<b>Security Drinking Fountains</b> (22 46)			
22 46 56 00-0001		<b>Security Drinking Fountain</b> (22 46 56) Note: Includes air control valve, bubbler with mouthguard and mounting bracket.			
22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA).....	2,378.33		279.29
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA).....	2,394.36		279.29
<b>22 47</b>		<b>Drinking Fountains and Water Coolers</b> (22 40)			
<b>22 47 13</b>		<b>Drinking Fountains</b> (22 47)			
22 47 13 00-0001		<b>Indoor Drinking Fountains</b> (22 47 13)			
22 47 13 00-0002		<b>Face Mounted Indoor Drinking Fountain</b> (22 47 13 00-0001)			
22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S).....	1,861.98		226.92
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP).....	2,661.04		244.38
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E).....	2,411.26		226.92
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP).....	2,858.87		244.38
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFSS).....	1,291.94		226.92
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSSBP).....	1,529.00		244.38
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE).....	1,443.91		226.92
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP).....	1,734.39		244.38
22 47 13 00-0011		<b>Wall Mounted Indoor Drinking Fountain</b> (22 47 13 00-0001)			
22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701).....	1,336.40		244.38
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF).....	1,972.92		244.38
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Halsey-Taylor HTHB-HAC8BLWF).....	2,503.40		314.20
22 47 13 00-0015	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay VRCGRN8WWSK).....	3,888.78		314.20
22 47 13 00-0016	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay EZSTLG8WWSLK).....	3,357.82		314.20
22 47 13 00-0017	EA	Bi-Level, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountains (Elkay LZSTL8WSSP).....	3,065.21		314.20
22 47 13 00-0018	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WWSK).....	3,420.44		244.38
22 47 13 00-0019	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WWSK).....	3,306.66		244.38
22 47 13 00-0020	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRC8WWSK).....	3,167.60		244.38
22 47 13 00-0021	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRC8WWSK).....	3,041.18		244.38
22 47 13 00-0022	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LVRCGRN8WWSK).....	2,775.70		244.38
22 47 13 00-0023	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay VRCGRN8WWSK).....	2,661.92		244.38
22 47 13 00-0024	EA	Stainless Steel Wall-Mounted High-Efficiency Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSG8WWSK).....	2,535.50		244.38
22 47 13 00-0025	EA	Stainless Steel Wall-Mounted Indoor Chilled Filtered Bottle Filling Station With Hands-Free Touchless Sensor Drinking Fountain (Elkay LZO8WWSK).....	2,535.50		244.38
22 47 13 00-0026	EA	Stainless Steel Wall-Mounted Indoor Chilled Non-Filtered Bottle Filling Station With Hands-Free Fountain (Elkay EZO8WWSK).....	2,421.72		244.38
22 47 13 00-0027	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Bottle Filling Station With Drinking Fountain (Elkay EZSG8WWSK).....	2,421.72		244.38
22 47 13 00-0028	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LMAFB8WWSK).....	2,371.15		244.38
22 47 13 00-0029	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Vandal-Resistant Drinking Fountain (Elkay LZS8WSVRSK).....	2,371.15		244.38
22 47 13 00-0030	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABF8WWSK).....	2,257.38		244.38
22 47 13 00-0031	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WWSK).....	2,194.17		244.38
22 47 13 00-0032	EA	Stainless Steel Wall-Mounted Indoor Chilled Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZS8WSSP).....	2,105.67		244.38
22 47 13 00-0033	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Filtered Bottle Filling Station With Drinking Fountain (Elkay LZSDWWSK).....	2,067.75		244.38
22 47 13 00-0034	EA	Stainless Steel Wall-Mounted Indoor Hands-Free Non-Filtered Bottle Filling Station With Drinking Fountain (Elkay EMABFDWWSLK).....	1,941.33		244.38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0035 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABF8WSLK).....	2,194.17	244.38
22 47 13 00-0036 EA Vinyl Clad Cabinet, Non-Chilled, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay EMABFDWSLK).....	1,941.33	244.38
22 47 13 00-0037 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLK).....	2,052.76	244.38
22 47 13 00-0038 EA Vinyl Clad Cabinet, Stainless Steel Wall-Mounted Indoor, Bottle Filling Station With Drinking Fountain (Elkay LZS8WSLP).....	2,055.10	244.38
22 47 13 00-0039 EA Surface Mounted, Stainless Steel, Filtered Non-Refrigerated, Bottle Filling Station Kit (Elkay LZWSSM).....	1,687.91	174.55
22 47 13 00-0040 EA Wall Mounted, Non-Filtered Non-Refrigerated, Retrofit Bottle Filling Station Kit (Elkay EMABFWS-RF).....	1,283.36	174.55
<b>22 47 13 00-0041 Semi-Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0042 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801).....	1,755.92	261.84
22 47 13 00-0043 EA Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C).....	3,590.00	261.84
<b>22 47 13 00-0044 Fully Recessed Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0045 EA Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400).....	1,877.72	279.29
22 47 13 00-0046 EA Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403).....	3,284.80	279.29
<b>22 47 13 00-0047 Countertop Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0048 EA Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000).....	814.26	174.55
22 47 13 00-0049 EA Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000).....	787.77	174.55
22 47 13 00-0050 EA Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028).....	932.93	174.55
<b>22 47 13 00-0051 Bowl And Bracket Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0052 EA Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A).....	704.07	174.55
22 47 13 00-0053 EA Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540).....	827.12	174.55
<b>22 47 13 00-0054 Multi-Station Indoor Drinking Fountain (22 47 13 00-0001)</b>		
22 47 13 00-0055 EA Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020).....	3,406.64	279.29
22 47 13 00-0056 EA Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030).....	4,241.52	279.29
22 47 13 00-0057 EA Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120).....	3,257.13	279.29
22 47 13 00-0058 EA Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430).....	2,773.03	279.29
22 47 13 00-0059 EA Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435).....	3,449.03	279.29
22 47 13 00-0060 EA Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4).....	3,073.03	356.27
22 47 13 00-0061 EA Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441).....	5,647.49	279.29
22 47 13 00-0062 EA Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408).....	5,549.44	279.29
<b>22 47 13 00-0063 Outdoor Drinking Fountains (22 47 13)</b>		
<b>22 47 13 00-0064 Face Mounted Outdoor Drinking Fountains (22 47 13 00-0063)</b>		
22 47 13 00-0065 EA Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR).....	1,660.34	279.29
22 47 13 00-0066 EA Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR).....	1,804.21	279.29
22 47 13 00-0067 EA Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592).....	1,741.74	279.29
22 47 13 00-0068 EA Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR).....	2,478.14	279.29
<b>22 47 13 00-0069 Free Standing Outdoor Drinking Fountains (22 47 13 00-0063)</b>		
22 47 13 00-0070 EA Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715).....	2,994.08	261.84
22 47 13 00-0071 EA Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR).....	4,142.22	261.84
22 47 13 00-0072 EA Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710).....	2,990.27	261.84
22 47 13 00-0073 EA Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR).....	4,068.89	261.84
22 47 13 00-0074 EA Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720).....	4,384.45	279.29
22 47 13 00-0075 EA Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR).....	4,461.12	279.29
22 47 13 00-0076 EA Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591).....	1,752.23	261.84
22 47 13 00-0077 EA Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590).....	2,910.79	261.84
22 47 13 00-0078 EA Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR).....	4,058.93	261.84
22 47 13 00-0079 EA Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595).....	4,760.22	279.29
22 47 13 00-0080 EA Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR).....	6,613.53	279.29
<b>22 47 16 Pressure Water Coolers (22 47)</b>		
22 47 16 00-0001 Indoor Water Coolers (22 47 16)		
22 47 16 00-0002 Face Mounted Indoor Water Coolers (22 47 16 00-0001)		

**22 Plumbing****22 40 Plumbing Fixtures****22 47 Drinking Fountains and Water Coolers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q).....		3,421.83	279.29
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q).....		3,642.37	279.29
<b>22 47 16 00-0005</b>		<b>Wall Mounted Indoor Water Coolers (22 47 16 00-0001)</b>			
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q).....		1,713.35	279.29
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q).....		1,770.14	279.29
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q).....		1,948.08	279.29
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS).....		2,016.23	279.29
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA).....		1,535.40	279.29
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS).....		1,753.10	279.29
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS).....		1,413.30	279.29
22 47 16 00-0013	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS).....		2,340.96	418.93
<b>22 47 16 00-0014</b>		<b>Simulated Recessed Indoor Water Coolers (22 47 16 00-0001)</b>			
22 47 16 00-0015	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q).....		2,012.28	279.29
<b>22 47 16 00-0016</b>		<b>Fully Recessed Indoor Water Coolers (22 47 16 00-0001)</b>			
22 47 16 00-0017	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q).....		3,777.46	314.20
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762).....		4,574.11	314.20
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700).....		5,323.22	314.20
<b>22 47 16 00-0020</b>		<b>Free Standing Indoor Water Coolers (22 47 16 00-0001)</b>			
22 47 16 00-0021	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q).....		1,636.89	244.38
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q).....		1,747.63	244.38
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q).....		1,964.39	244.38
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q).....		2,169.79	244.38
<b>22 47 16 00-0025</b>		<b>Bottled Water Coolers (22 47 16 00-0001)</b>			
22 47 16 00-0026	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water.....		598.57	139.64
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water.....		700.28	139.64
<b>22 47 16 00-0028</b>		<b>Multi-Station Indoor Water Coolers (22 47 16 00-0001)</b>			
22 47 16 00-0029	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q).....		4,547.57	418.93
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q).....		5,185.26	418.93
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS).....		2,517.96	418.93
<b>22 47 16 00-0032</b>		<b>Outdoor Water Coolers (22 47 16)</b>			
<b>22 47 16 00-0033</b>		<b>Wall Mounted Outdoor Water Coolers (22 47 16 00-0032)</b>			
22 47 16 00-0034	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS).....		1,710.64	174.55
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS).....		2,870.67	174.55
<b>22 47 16 00-0036</b>		<b>Free Standing Outdoor Water Coolers (22 47 16 00-0032)</b>			
22 47 16 00-0037	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q).....		2,807.61	261.84
22 47 16 00-0038	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q).....		3,337.67	261.84
<b>22 47 16 00-0039</b>		<b>Removal And Reinstallation Of Fixtures And Trim (22 47 16)</b>			
Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.					
22 47 16 00-0040	EA	Removal And Reinstallation Of Wall Hung Water Cooler.....		677.09	
22 47 16 00-0041	EA	Removal And Reinstallation Of Floor Mount Water Cooler.....		151.64	
<b>22 47 23</b>		<b>Remote Water Coolers (22 47)</b>			
<b>22 47 23 00-0001</b>		<b>Remote Chillers (22 47 23)</b>			
22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q).....		981.71	94.26
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q).....		1,470.25	104.74
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q).....		1,281.78	122.19
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q).....		1,639.45	139.64
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q).....		2,562.84	209.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 47 23 00-0007	EA		30 GPH Remote Chiller (Halsey-Taylor SJ30-Q).....	2,778.51	226.92
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**22 47 26 Fixture Carriers (22 47)**

22 47 26 00-0001			Water Cooler Carriers (22 47 26)		
22 47 26 00-0002			Floor Mounted, Water Cooler Carriers (22 47 26 00-0001)		
Note: Includes adjustable supporting rods, structural uprights and welded feet.					
22 47 26 00-0003	EA		Floor Mounted Hanger Plate Type, Single Water Cooler Carrier.....	630.46	53.06
For Up To 4" Extension Sleeves And Hardware, Add				29.99	
For Bi-Level Carrier, Add				345.68	
22 47 26 00-0004	EA		Floor Mounted Bearing Plate Type, Single Water Cooler Carrier.....	683.30	53.06
For Up To 4" Extension Sleeves And Hardware, Add				29.99	
For Bi-Level Carrier, Add				345.68	

**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities (22)**

**22 63 Gas Systems for Laboratory and Healthcare Facilities (22 60)**

**22 63 13 Gas Piping for Laboratory and Healthcare Facilities (22 63)**

**22 63 13 53 Laboratory Gas Piping (22 63 13)**

See CSI section 23 21 13 23-0001 for black steel pipe, 23 21 13 23-2218 for PVC piping.

**22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities (22 60)**

**22 66 53 Laboratory Chemical-Waste and Vent Piping (22 66)**

22 66 53 00-0001			Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings (22 66 53)		
22 66 53 00-0002			Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings (22 66 53 00-0001)		
22 66 53 00-0003			Schedule 40 Polypropylene Acid Resistant DWV Pipe (22 66 53 00-0002)		
22 66 53 00-0004	LF		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	16.86	7.96
For Schedule 80, Add				2.53	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add				2.17	
For Work In Restricted Working Space, Add				3.60	
22 66 53 00-0005	LF		2" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	20.08	8.93
For Schedule 80, Add				3.43	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add				2.93	
For Work In Restricted Working Space, Add				4.05	
22 66 53 00-0006	LF		3" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	31.42	12.99
For Schedule 80, Add				6.18	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add				5.29	
For Work In Restricted Working Space, Add				5.86	
22 66 53 00-0007	LF		4" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	42.27	16.90
For Schedule 80, Add				8.78	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add				7.51	
For Work In Restricted Working Space, Add				7.62	
22 66 53 00-0008	LF		6" Schedule 40 Polypropylene Acid Resistant DWV Pipe.....	67.68	24.86
For Schedule 80, Add				15.83	
For Fire Retardant Thermoplastic Pipe (Proxylene), Add				13.55	
For Work In Restricted Working Space, Add				11.17	
22 66 53 00-0009			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends (22 66 53 00-0002)		
22 66 53 00-0010	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	64.70	30.02
For Work In Restricted Working Space, Add				13.52	
22 66 53 00-0011	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	83.83	39.66
For Work In Restricted Working Space, Add				17.83	
22 66 53 00-0012	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	109.54	45.38
For Work In Restricted Working Space, Add				20.44	
22 66 53 00-0013	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	156.04	60.04
For Work In Restricted Working Space, Add				27.03	
22 66 53 00-0014	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend.....	295.06	88.67
For Work In Restricted Working Space, Add				39.90	
22 66 53 00-0015			Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends (22 66 53 00-0002)		
22 66 53 00-0016	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	64.36	30.02
For Work In Restricted Working Space, Add				13.52	
22 66 53 00-0017	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	82.94	39.66
For Work In Restricted Working Space, Add				17.83	
22 66 53 00-0018	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	111.24	45.38
For Work In Restricted Working Space, Add				20.44	
22 66 53 00-0019	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	139.00	60.04
For Work In Restricted Working Space, Add				27.03	
22 66 53 00-0020	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend.....	268.65	88.67
For Work In Restricted Working Space, Add				39.90	
22 66 53 00-0021			Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees (22 66 53 00-0002)		

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0022	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	120.71 28.89	64.24
22 66 53 00-0023	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	150.66 36.43	81.00
22 66 53 00-0024	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	191.48 39.90	88.67
22 66 53 00-0025	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	262.13 52.37	116.47
22 66 53 00-0026	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	453.46 83.79	186.29
<b>22 66 53 00-0027</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0028	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	150.62 36.43	81.00
22 66 53 00-0029	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	187.40 39.90	88.67
22 66 53 00-0030	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	183.77 39.90	88.67
22 66 53 00-0031	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	252.82 52.37	116.47
22 66 53 00-0032	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	256.33 52.37	116.47
22 66 53 00-0033	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	427.54 83.79	186.29
<b>22 66 53 00-0034</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0035	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	132.62 28.89	64.24
22 66 53 00-0036	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	153.54 36.43	81.00
22 66 53 00-0037	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	200.30 39.90	88.67
22 66 53 00-0038	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	266.19 52.37	116.47
22 66 53 00-0039	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug..... <i>For Work In Restricted Working Space, Add</i>	403.20 83.79	186.29
<b>22 66 53 00-0040</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0041	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	127.40 28.89	64.24
22 66 53 00-0042	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	156.86 36.43	81.00
22 66 53 00-0043	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	195.17 39.90	88.67
22 66 53 00-0044	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	265.19 52.37	116.47
22 66 53 00-0045	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye..... <i>For Work In Restricted Working Space, Add</i>	509.38 83.79	186.29
<b>22 66 53 00-0046</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0047	EA		2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	165.04 36.43	81.00
22 66 53 00-0048	EA		3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	190.97 39.90	88.67
22 66 53 00-0049	EA		3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	190.97 39.90	88.67
22 66 53 00-0050	EA		4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	261.56 52.37	116.47
22 66 53 00-0051	EA		4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	261.56 52.37	116.47
22 66 53 00-0052	EA		6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	461.21 83.79	186.29
22 66 53 00-0053	EA		6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	464.03 83.79	186.29
22 66 53 00-0054	EA		6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye..... <i>For Work In Restricted Working Space, Add</i>	428.73 83.79	186.29
<b>22 66 53 00-0055</b>			<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0056	EA		1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	158.63 36.11	80.29
22 66 53 00-0057	EA		2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	197.61 45.54	101.24
22 66 53 00-0058	EA		3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	257.92 49.87	110.88
22 66 53 00-0059	EA		4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	355.49 65.46	145.51
22 66 53 00-0060	EA		6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross..... <i>For Work In Restricted Working Space, Add</i>	622.15 104.74	232.79



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 66 53 00-0061</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0062	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	118.53 28.89	64.24
22 66 53 00-0063	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	153.89 36.43	81.00
22 66 53 00-0064	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	174.54 39.90	88.67
22 66 53 00-0065	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	239.15 52.37	116.47
22 66 53 00-0066	EA 2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	144.23 36.43	81.00
22 66 53 00-0067	EA 3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	170.65 39.90	88.67
22 66 53 00-0068	EA 3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	172.21 39.90	88.67
22 66 53 00-0069	EA 4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	233.37 52.37	116.47
22 66 53 00-0070	EA 4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	234.36 52.37	116.47
<b>22 66 53 00-0071</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0072	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	139.59 33.52	74.58
22 66 53 00-0073	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	185.33 44.10	98.03
22 66 53 00-0074	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	274.92 59.85	133.09
22 66 53 00-0075	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap ..... <i>For Work In Restricted Working Space, Add</i>	380.65 76.17	169.39
<b>22 66 53 00-0076</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0077	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	63.77 13.52	30.02
22 66 53 00-0078	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	78.94 17.83	39.66
22 66 53 00-0079	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	92.26 20.44	45.38
22 66 53 00-0080	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	124.89 27.03	60.04
22 66 53 00-0081	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter ..... <i>For Work In Restricted Working Space, Add</i>	185.11 39.90	88.67
<b>22 66 53 00-0082</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0083	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	61.42 13.52	30.02
22 66 53 00-0084	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	80.71 17.83	39.66
22 66 53 00-0085	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	95.52 20.44	45.38
22 66 53 00-0086	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	128.09 27.03	60.04
<b>22 66 53 00-0087</b>	<b>Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings</b> <small>(22 66 53 00-0002)</small>		
22 66 53 00-0088	EA 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	58.50 13.52	30.02
22 66 53 00-0089	EA 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	75.47 17.83	39.66
22 66 53 00-0090	EA 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	87.59 20.44	45.38
22 66 53 00-0091	EA 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	115.84 27.03	60.04
22 66 53 00-0092	EA 6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling ..... <i>For Work In Restricted Working Space, Add</i>	170.42 39.90	88.67
<b>22 66 53 00-0093</b>	<b>Glass Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53 00-0093)</small>		
<b>22 66 53 00-0094</b>	<b>Glass Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0095	LF 1-1/2" Glass Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	43.80 4.61	7.68
22 66 53 00-0096	LF 2" Glass Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	55.51 5.03	8.38
22 66 53 00-0097	LF 3" Glass Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	76.73 7.07	11.73
22 66 53 00-0098	LF 4" Glass Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	127.21 9.14	15.22
22 66 53 00-0099	LF 6" Glass Acid Resistant DWV Pipe ..... <i>For Work In Restricted Working Space, Add</i>	215.00 12.47	20.80

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0100			<b>Glass Acid Resistant DWV 90 Or 60 Degree Sweeps</b> (22 66 53 00-0093)		
22 66 53 00-0101	EA		1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....	128.81	34.22
			<i>For Work In Restricted Working Space, Add</i> .....	20.49	
22 66 53 00-0102	EA		2" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....	148.86	36.30
			<i>For Work In Restricted Working Space, Add</i> .....	21.74	
22 66 53 00-0103	EA		3" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....	208.22	41.20
			<i>For Work In Restricted Working Space, Add</i> .....	24.72	
22 66 53 00-0104	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....	309.81	54.47
			<i>For Work In Restricted Working Space, Add</i> .....	32.68	
22 66 53 00-0105	EA		6" Glass Acid Resistant DWV 90 Or 60 Degree Sweep .....	763.09	75.41
			<i>For Work In Restricted Working Space, Add</i> .....	45.25	
22 66 53 00-0106			<b>Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweeps</b> (22 66 53 00-0093)		
22 66 53 00-0107	EA		1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	129.09	34.35
			<i>For Work In Restricted Working Space, Add</i> .....	20.57	
22 66 53 00-0108	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	148.30	35.89
			<i>For Work In Restricted Working Space, Add</i> .....	21.57	
22 66 53 00-0109	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	207.94	41.05
			<i>For Work In Restricted Working Space, Add</i> .....	24.63	
22 66 53 00-0110	EA		4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	309.81	54.47
			<i>For Work In Restricted Working Space, Add</i> .....	32.68	
22 66 53 00-0111	EA		6" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Sweep .....	763.06	75.41
			<i>For Work In Restricted Working Space, Add</i> .....	45.24	
22 66 53 00-0112			<b>Glass Acid Resistant DWV 90 Or 60 Degree Bends</b> (22 66 53 00-0093)		
22 66 53 00-0113	EA		1-1/2" Glass Acid Resistant DWV 90 Or 60 Degree Bend .....	130.74	34.35
			<i>For Work In Restricted Working Space, Add</i> .....	20.57	
22 66 53 00-0114	EA		2" Glass Acid Resistant DWV 90 Or 60 Degree Bend .....	150.28	35.89
			<i>For Work In Restricted Working Space, Add</i> .....	21.57	
22 66 53 00-0115	EA		3" Glass Acid Resistant DWV 90 Or 60 Degree Bend .....	211.41	41.05
			<i>For Work In Restricted Working Space, Add</i> .....	24.63	
22 66 53 00-0116	EA		4" Glass Acid Resistant DWV 90 Or 60 Degree Bend .....	309.81	54.47
			<i>For Work In Restricted Working Space, Add</i> .....	32.68	
22 66 53 00-0117			<b>Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bends</b> (22 66 53 00-0093)		
22 66 53 00-0118	EA		1-1/2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend .....	130.74	34.35
			<i>For Work In Restricted Working Space, Add</i> .....	20.57	
22 66 53 00-0119	EA		2" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend .....	150.28	35.89
			<i>For Work In Restricted Working Space, Add</i> .....	21.57	
22 66 53 00-0120	EA		3" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend .....	211.41	41.05
			<i>For Work In Restricted Working Space, Add</i> .....	24.63	
22 66 53 00-0121	EA		4" Glass Acid Resistant DWV 45 Or 22-1/2 Degree Bend .....	309.81	54.47
			<i>For Work In Restricted Working Space, Add</i> .....	32.68	
22 66 53 00-0122			<b>Glass Acid Resistant DWV 90 Degree Bends With Long Leg</b> (22 66 53 00-0093)		
22 66 53 00-0123	EA		1-1/2" Glass Acid Resistant DWV 90 Degree Bend With Long Leg .....	154.33	34.35
			<i>For Work In Restricted Working Space, Add</i> .....	20.57	
22 66 53 00-0124	EA		2" Glass Acid Resistant DWV 90 Degree Bends With Long Leg .....	184.18	35.89
			<i>For Work In Restricted Working Space, Add</i> .....	21.57	
22 66 53 00-0125			<b>Glass Acid Resistant DWV Double Quarter Bends</b> (22 66 53 00-0093)		
22 66 53 00-0126	EA		1-1/2" Glass Acid Resistant DWV Double Quarter Bend .....	210.99	51.39
			<i>For Work In Restricted Working Space, Add</i> .....	30.86	
22 66 53 00-0127	EA		2" x 1-1/2" Glass Acid Resistant DWV Double Quarter Bend .....	270.09	53.21
			<i>For Work In Restricted Working Space, Add</i> .....	31.92	
22 66 53 00-0128	EA		2" Glass Acid Resistant DWV Double Quarter Bend .....	249.74	53.90
			<i>For Work In Restricted Working Space, Add</i> .....	32.36	
22 66 53 00-0129	EA		3" Glass Acid Resistant DWV Double Quarter Bend .....	343.09	61.59
			<i>For Work In Restricted Working Space, Add</i> .....	36.95	
22 66 53 00-0130	EA		4" Glass Acid Resistant DWV Double Quarter Bend .....	574.58	81.69
			<i>For Work In Restricted Working Space, Add</i> .....	49.01	
22 66 53 00-0131	EA		6" Glass Acid Resistant DWV Double Quarter Bend .....	886.31	113.11
			<i>For Work In Restricted Working Space, Add</i> .....	67.88	
22 66 53 00-0132			<b>Glass Acid Resistant DWV Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0133	EA		1-1/2" Glass Acid Resistant DWV Sanitary Tee .....	200.89	51.67
			<i>For Work In Restricted Working Space, Add</i> .....	31.00	
22 66 53 00-0134	EA		2" Glass Acid Resistant DWV Sanitary Tee .....	205.07	53.76
			<i>For Work In Restricted Working Space, Add</i> .....	32.26	
22 66 53 00-0135	EA		3" Glass Acid Resistant DWV Sanitary Tee .....	268.39	61.45
			<i>For Work In Restricted Working Space, Add</i> .....	36.87	
22 66 53 00-0136	EA		4" Glass Acid Resistant DWV Sanitary Tee .....	424.46	81.69
			<i>For Work In Restricted Working Space, Add</i> .....	49.01	
22 66 53 00-0137	EA		6" Glass Acid Resistant DWV Sanitary Tee .....	925.63	113.11
			<i>For Work In Restricted Working Space, Add</i> .....	67.87	
22 66 53 00-0138			<b>Glass Acid Resistant DWV Reducing Sanitary Tees</b> (22 66 53 00-0093)		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0139 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	203.68 31.84	53.06
22 66 53 00-0140 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	244.55 34.77	57.96
22 66 53 00-0141 EA 3" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	260.73 35.61	59.35
22 66 53 00-0142 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	338.45 43.15	71.91
22 66 53 00-0143 EA 4" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	355.89 43.57	72.62
22 66 53 00-0144 EA 4" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	374.45 44.83	74.71
22 66 53 00-0145 EA 6" x 2" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	678.03 56.14	93.56
22 66 53 00-0146 EA 6" x 3" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	733.47 57.39	95.66
22 66 53 00-0147 EA 6" x 4" Glass Acid Resistant DWV Reducing Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	750.25 61.58	102.64
<b>22 66 53 00-0148 Glass Acid Resistant DWV Double Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0149 EA 1-1/2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	286.50 41.06	68.42
22 66 53 00-0150 EA 2" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	293.46 43.15	71.91
22 66 53 00-0151 EA 3" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	384.69 49.43	82.39
22 66 53 00-0152 EA 4" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	639.28 65.35	108.92
22 66 53 00-0153 EA 6" Glass Acid Resistant DWV Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	1,161.11 90.50	150.81
<b>22 66 53 00-0154 Glass Acid Resistant DWV Reducing Double Sanitary Tees</b> (22 66 53 00-0093)		
22 66 53 00-0155 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	290.65 42.31	70.52
22 66 53 00-0156 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	338.47 45.24	75.41
22 66 53 00-0157 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	358.97 46.09	76.80
22 66 53 00-0158 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	533.34 53.21	88.67
22 66 53 00-0159 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	526.93 54.46	90.77
22 66 53 00-0160 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	566.34 57.40	95.66
22 66 53 00-0161 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	757.94 67.02	111.72
22 66 53 00-0162 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	826.47 69.95	116.61
22 66 53 00-0163 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Sanitary Tee..... <i>For Work In Restricted Working Space, Add</i>	937.11 77.91	129.87
<b>22 66 53 00-0164 Glass Acid Resistant DWV Tees</b> (22 66 53 00-0093)		
22 66 53 00-0165 EA 1-1/2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	224.05 31.01	51.67
22 66 53 00-0166 EA 2" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	228.22 32.26	53.76
22 66 53 00-0167 EA 3" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	297.15 36.86	61.45
22 66 53 00-0168 EA 4" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	469.58 49.01	81.69
22 66 53 00-0169 EA 6" Glass Acid Resistant DWV Tee..... <i>For Work In Restricted Working Space, Add</i>	979.72 67.88	113.11
<b>22 66 53 00-0170 Glass Acid Resistant DWV Reducing Tees</b> (22 66 53 00-0093)		
22 66 53 00-0171 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	226.81 31.83	53.06
22 66 53 00-0172 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	268.69 34.77	57.96
22 66 53 00-0173 EA 3" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	274.96 35.61	59.35
22 66 53 00-0174 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	343.75 43.16	71.91
22 66 53 00-0175 EA 4" x 2" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	353.39 43.57	72.62
22 66 53 00-0176 EA 4" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	428.71 44.84	74.71
22 66 53 00-0177 EA 6" x 3" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	832.65 57.39	95.66
22 66 53 00-0178 EA 6" x 4" Glass Acid Resistant DWV Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	866.28 61.57	102.64
<b>22 66 53 00-0179 Glass Acid Resistant DWV Test Tees With Cleanout</b> (22 66 53 00-0093)		

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0180	EA		1-1/2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	263.73 31.01	51.67
22 66 53 00-0181	EA		2" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	295.51 32.26	53.76
22 66 53 00-0182	EA		3" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	381.97 36.86	61.45
22 66 53 00-0183	EA		4" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	662.87 49.01	81.69
22 66 53 00-0184	EA		6" Glass Acid Resistant DWV Test Tee With Cleanout <i>For Work In Restricted Working Space, Add</i>	979.72 67.88	113.11
<b>22 66 53 00-0185</b>			<b>Glass Acid Resistant DWV Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0186	EA		1-1/2" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	205.86 31.01	51.67
22 66 53 00-0187	EA		2" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	210.03 32.26	53.76
22 66 53 00-0188	EA		3" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	288.22 36.86	61.45
22 66 53 00-0189	EA		4" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	446.60 49.01	81.69
22 66 53 00-0190	EA		6" Glass Acid Resistant DWV Wye <i>For Work In Restricted Working Space, Add</i>	910.45 67.88	113.11
<b>22 66 53 00-0191</b>			<b>Glass Acid Resistant DWV Reducing Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0192	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	208.62 31.83	53.06
22 66 53 00-0193	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	254.80 34.77	57.96
22 66 53 00-0194	EA		3" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	261.90 35.61	59.35
22 66 53 00-0195	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	358.30 43.16	71.91
22 66 53 00-0196	EA		4" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	361.65 43.57	72.62
22 66 53 00-0197	EA		4" x 3" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	393.99 44.84	74.71
22 66 53 00-0198	EA		6" x 2" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	656.50 56.13	93.56
22 66 53 00-0199	EA		6" x 3" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	763.87 57.39	95.66
22 66 53 00-0200	EA		6" x 4" Glass Acid Resistant DWV Reducing Wye <i>For Work In Restricted Working Space, Add</i>	830.56 61.57	102.64
<b>22 66 53 00-0201</b>			<b>Glass Acid Resistant DWV Double Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0202	EA		1-1/2" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	336.43 41.06	68.42
22 66 53 00-0203	EA		2" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	343.42 43.16	71.91
22 66 53 00-0204	EA		3" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	462.20 49.43	82.39
22 66 53 00-0205	EA		4" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	718.45 65.34	108.92
22 66 53 00-0206	EA		6" Glass Acid Resistant DWV Double Wye <i>For Work In Restricted Working Space, Add</i>	1,203.91 90.52	150.81
<b>22 66 53 00-0207</b>			<b>Glass Acid Resistant DWV Reducing Double Wyes</b> (22 66 53 00-0093)		
22 66 53 00-0208	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	340.57 42.30	70.52
22 66 53 00-0209	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	350.37 45.24	75.41
22 66 53 00-0210	EA		3" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	407.39 46.08	76.80
22 66 53 00-0211	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	502.30 53.22	88.67
22 66 53 00-0212	EA		4" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	530.91 54.46	90.77
22 66 53 00-0213	EA		4" x 3" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	626.97 57.39	95.66
22 66 53 00-0214	EA		6" x 2" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	978.04 67.01	111.72
22 66 53 00-0215	EA		6" x 3" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	1,026.69 69.96	116.61
22 66 53 00-0216	EA		6" x 4" Glass Acid Resistant DWV Reducing Double Wye <i>For Work In Restricted Working Space, Add</i>	1,096.39 77.93	129.87
<b>22 66 53 00-0217</b>			<b>Glass Acid Resistant DWV Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0218	EA		1-1/2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	232.04 31.01	51.67
22 66 53 00-0219	EA		2" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	237.31 32.26	53.76
22 66 53 00-0220	EA		3" Glass Acid Resistant DWV Combination Wye And 1/8 Bend <i>For Work In Restricted Working Space, Add</i>	304.43 36.86	61.45



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0221 EA 4" Glass Acid Resistant DWV Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	455.03 49.01	81.69
22 66 53 00-0222 EA 6" Glass Acid Resistant DWV Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	886.80 67.88	113.11
<b>22 66 53 00-0223 Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0224 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	235.90 31.83	53.06
22 66 53 00-0225 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	258.93 34.77	57.96
22 66 53 00-0226 EA 3" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	278.43 35.61	59.35
22 66 53 00-0227 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	348.38 43.16	71.91
22 66 53 00-0228 EA 4" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	363.80 43.57	72.62
22 66 53 00-0229 EA 4" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	396.47 44.84	74.71
22 66 53 00-0230 EA 6" x 2" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	657.98 56.13	93.56
22 66 53 00-0231 EA 6" x 3" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	749.49 57.39	95.66
22 66 53 00-0232 EA 6" x 4" Glass Acid Resistant DWV Reducing Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	764.43 61.57	102.64
<b>22 66 53 00-0233 Glass Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0234 EA 1-1/2" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	311.63 41.06	68.42
22 66 53 00-0235 EA 2" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	364.25 43.16	71.91
22 66 53 00-0236 EA 3" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	493.62 49.43	82.39
22 66 53 00-0237 EA 4" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	791.53 65.34	108.92
22 66 53 00-0238 EA 6" Double Glass Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	1,320.56 90.52	150.81
<b>22 66 53 00-0239 Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> (22 66 53 00-0093)		
22 66 53 00-0240 EA 2" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	319.57 42.30	70.52
22 66 53 00-0241 EA 3" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	408.90 45.24	75.41
22 66 53 00-0242 EA 3" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	402.10 46.08	76.80
22 66 53 00-0243 EA 4" x 1-1/2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	542.97 53.22	88.67
22 66 53 00-0244 EA 4" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	537.36 54.46	90.77
22 66 53 00-0245 EA 4" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	603.98 57.39	95.66
22 66 53 00-0246 EA 6" x 2" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	871.50 67.01	111.72
22 66 53 00-0247 EA 6" x 3" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	929.13 69.96	116.61
22 66 53 00-0248 EA 6" x 4" Glass Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend ..... <i>For Work In Restricted Working Space, Add</i>	1,084.82 77.93	129.87
<b>22 66 53 00-0249 Glass Acid Resistant DWV Partition Crosses (Compact)</b> (22 66 53 00-0093)		
22 66 53 00-0250 EA 2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) ..... <i>For Work In Restricted Working Space, Add</i>	352.64 42.30	70.52
22 66 53 00-0251 EA 2" Glass Acid Resistant DWV Partition Cross (Compact) ..... <i>For Work In Restricted Working Space, Add</i>	355.49 43.16	71.91
22 66 53 00-0252 EA 2" x 1-1/2" x 1-1/2" x 1-1/2" Glass Acid Resistant DWV Partition Cross (Compact) ..... <i>For Work In Restricted Working Space, Add</i>	382.03 41.89	69.83
<b>22 66 53 00-0253 Glass Acid Resistant DWV Upright Y Or H (Vent Branch)</b> (22 66 53 00-0093)		
22 66 53 00-0254 EA 1-1/2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) ..... <i>For Work In Restricted Working Space, Add</i>	350.37 31.01	51.67
22 66 53 00-0255 EA 2" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) ..... <i>For Work In Restricted Working Space, Add</i>	386.78 32.26	53.76
22 66 53 00-0256 EA 3" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) ..... <i>For Work In Restricted Working Space, Add</i>	445.13 36.86	61.45
22 66 53 00-0257 EA 4" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) ..... <i>For Work In Restricted Working Space, Add</i>	655.10 49.01	81.69
22 66 53 00-0258 EA 6" Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch) ..... <i>For Work In Restricted Working Space, Add</i>	1,239.31 67.88	113.11
<b>22 66 53 00-0259 Glass Acid Resistant DWV Reducing Upright Y Or H (Vent Branch)</b> (22 66 53 00-0093)		



**22 Plumbing**

**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

**22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0260	EA		2" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	352.14 31.83	53.06
22 66 53 00-0261	EA		3" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	402.61 34.77	57.96
22 66 53 00-0262	EA		3" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	429.39 35.61	59.35
22 66 53 00-0263	EA		4" x 1-1/2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	497.19 43.16	71.91
22 66 53 00-0264	EA		4" x 2" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	527.16 43.57	72.62
22 66 53 00-0265	EA		4" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	580.33 44.84	74.71
22 66 53 00-0266	EA		6" x 3" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	839.43 57.39	95.66
22 66 53 00-0267	EA		6" x 4" Reducing Glass Upright Y Or H (Vent Branch)..... <i>For Work In Restricted Working Space, Add</i>	957.88 61.57	102.64
<b>22 66 53 00-0268 Glass Acid Resistant DWV Reducers Or Increases</b> <small>(22 66 53 00-0093)</small>					
22 66 53 00-0269	EA		2" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.74 4.23 20.95	34.91
22 66 53 00-0270	EA		3" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.95 6.28 22.62	37.71
22 66 53 00-0271	EA		3" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	164.76 7.04 23.04	38.40
22 66 53 00-0272	EA		4" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.22 9.83 26.81	44.68
22 66 53 00-0273	EA		4" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.23 10.44 27.23	45.38
22 66 53 00-0274	EA		4" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.00 11.28 28.49	47.48
22 66 53 00-0275	EA		6" x 1-1/2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	467.45 28.57 33.09	55.16
22 66 53 00-0276	EA		6" x 2" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	491.51 30.38 33.52	55.86
22 66 53 00-0277	EA		6" x 3" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	521.65 32.46 34.77	57.96
22 66 53 00-0278	EA		6" x 4" Glass Acid Resistant DWV Reducer Or Increaser..... <i>For Eccentric Reducers Or Increases, Add</i> <i>For Work In Restricted Working Space, Add</i>	547.36 33.40 38.96	64.93
<b>22 66 53 00-0279 Glass Acid Resistant DWV Swivel P-Traps</b> <small>(22 66 53 00-0093)</small>					
22 66 53 00-0280	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	289.52 31.00	51.67
22 66 53 00-0281	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	310.00 31.84	53.06
22 66 53 00-0282	EA		2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	348.60 32.26	53.76
22 66 53 00-0283	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	313.66 31.00	51.67
22 66 53 00-0284	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	340.75 31.84	53.06
22 66 53 00-0285	EA		2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	383.32 32.26	53.76
22 66 53 00-0286	EA		1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	320.27 31.00	51.67
22 66 53 00-0287	EA		2" x 1-1/2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	340.75 31.84	53.06
22 66 53 00-0288	EA		2" Glass Acid Resistant DWV Swivel P-Trap..... <i>For Work In Restricted Working Space, Add</i>	383.32 32.26	53.76
<b>22 66 53 00-0289 Glass Acid Resistant DWV Drum P-Traps</b> <small>(22 66 53 00-0093)</small>					
22 66 53 00-0290	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	395.33 31.00	51.67
22 66 53 00-0291	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	497.99 31.84	53.06
22 66 53 00-0292	EA		2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	512.61 32.26	53.76
22 66 53 00-0293	EA		1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	435.51 31.00	51.67
22 66 53 00-0294	EA		2" x 1-1/2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	461.78 31.84	53.06
22 66 53 00-0295	EA		2" Glass Acid Resistant DWV Drum P-Trap..... <i>For Work In Restricted Working Space, Add</i>	520.38 32.26	53.76
<b>22 66 53 00-0296 Glass Acid Resistant DWV Cleanout Plugs</b> <small>(22 66 53 00-0093)</small>					

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0297 EA 1-1/2" Glass Acid Resistant DWV Cleanout Plug ..... <i>For Work In Restricted Working Space, Add</i>	59.55 10.47	17.46
22 66 53 00-0298 EA 2" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	67.38 10.89	18.15
22 66 53 00-0299 EA 3" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	84.98 12.15	20.25
22 66 53 00-0300 EA 4" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	134.49 16.34	27.23
22 66 53 00-0301 EA 6" Glass Acid Resistant DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	192.31 22.62	37.71
<b>22 66 53 00-0302 Glass Acid Resistant DWV Sink Fittings</b> <small>(22 66 53 00-0093)</small>		
22 66 53 00-0303 EA 1-1/2" Glass Acid Resistant DWV Interceptor Trap ..... <i>For Work In Restricted Working Space, Add</i>	843.04 41.06	68.42
22 66 53 00-0304 EA 1-1/2" x 6-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly ..... <i>For Work In Restricted Working Space, Add</i>	80.71 10.47	17.46
22 66 53 00-0305 EA 1-1/2" x 10-1/2" Long Glass Acid Resistant DWV Tailpiece Assembly ..... <i>For Work In Restricted Working Space, Add</i>	89.47 10.47	17.46
22 66 53 00-0306 EA 1-1/2" Split Coupling (Threaded To Beaded Pipe) For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	124.06 20.95	34.91
22 66 53 00-0307 EA 3" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	253.67 21.79	36.30
22 66 53 00-0308 EA 6" Diameter Hemispherical Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings..... <i>For Work In Restricted Working Space, Add</i>	256.98 21.79	36.30
22 66 53 00-0309 EA 3" x 9" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	290.04 21.79	36.30
22 66 53 00-0310 EA 3" x 6" Oval Glass Beaded Outlet For Glass Acid Resistant DWV Pipe And Fittings ..... <i>For Work In Restricted Working Space, Add</i>	235.81 21.79	36.30
<b>22 66 53 00-0311 Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapters</b> <small>(22 66 53 00-0093)</small>		
<i>Note: Includes teflon spacer.</i>		
22 66 53 00-0312 EA 1-1/2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	225.72 30.91	51.53
22 66 53 00-0313 EA 2" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	235.57 32.43	54.04
22 66 53 00-0314 EA 3" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	326.55 36.95	61.59
22 66 53 00-0315 EA 4" Glass Acid Resistant DWV Pipe To High Silicon Cast Iron Pipe Mechanical Joint Adapter ..... <i>For Work In Restricted Working Space, Add</i>	466.26 49.06	81.84
<b>22 66 53 00-0316 Bead To Bead Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0093)</small>		
<i>Note: Includes segmented stainless steel outer band, Buna-N rubber compression liner with TFE seal ring, stainless steel bolt and silver plated stainless hex nut.</i>		
22 66 53 00-0317 EA 1-1/2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	41.50	
22 66 53 00-0318 EA 2" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	52.36	
22 66 53 00-0319 EA 3" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	70.00	
22 66 53 00-0320 EA 4" Bead To Bead Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	117.94	
22 66 53 00-0321 EA 6" Bead To Bead, Stainless Steel, TFE Seal Ring Couplings, Glass Piping.....	274.74	
<b>22 66 53 00-0322 Bead To Plain End Drainline Couplings For Glass Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0093)</small>		
<i>Note: Includes stainless steel band with bolt, Buna-N rubber compression liner with TFE seal ring and silver plated stainless hex nut.</i>		
22 66 53 00-0323 EA 1-1/2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	53.52	
22 66 53 00-0324 EA 2" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	66.96	
22 66 53 00-0325 EA 3" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	113.70	
22 66 53 00-0326 EA 4" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	169.48	
22 66 53 00-0327 EA 6" Bead To Plain End Drainline Coupling For Glass Acid Resistant DWV Pipe And Fittings.....	413.23	
<b>22 66 53 00-0328 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small>		
<i>Note: Acid resistant. ASTM A518.</i>		
<b>22 66 53 00-0329 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0328)</small>		
22 66 53 00-0330 LF 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	138.59	12.42
22 66 53 00-0331 LF 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	195.07	15.50
22 66 53 00-0332 LF 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	265.44	17.87
22 66 53 00-0333 LF 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	436.56	25.67
22 66 53 00-0334 LF 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	769.82	34.27
22 66 53 00-0335 LF 10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	1,361.06	43.21
22 66 53 00-0336 LF 12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	2,426.56	58.21
22 66 53 00-0337 LF 15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe .....	4,321.19	66.74
<b>22 66 53 00-0338 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0328)</small>		
<b>22 66 53 00-0339 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0338)</small>		
22 66 53 00-0340 EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	553.55	105.85

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR  
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 66 53 00-0341	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	723.72	116.47
22 66 53 00-0342	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	1,175.77	139.37
22 66 53 00-0343	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	1,756.52	169.57
22 66 53 00-0344	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep .....	4,031.45	275.36

**22 66 53 00-0345 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** (22 66 53 00-0338)

22 66 53 00-0346	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	322.08	105.85
22 66 53 00-0347	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	419.63	116.47
22 66 53 00-0348	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	526.75	139.37
22 66 53 00-0349	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	1,397.97	169.57
22 66 53 00-0350	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	3,167.75	275.36
22 66 53 00-0351	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	4,809.52	343.06
22 66 53 00-0352	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend .....	7,061.14	412.55

**22 66 53 00-0353 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** (22 66 53 00-0338)

22 66 53 00-0354	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	322.08	105.85
22 66 53 00-0355	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	419.63	116.47
22 66 53 00-0356	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	526.75	139.37
22 66 53 00-0357	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	1,025.81	169.57
22 66 53 00-0358	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	2,686.66	275.36
22 66 53 00-0359	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	3,925.18	343.06
22 66 53 00-0360	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend .....	5,564.08	412.55

**22 66 53 00-0361 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** (22 66 53 00-0338)

22 66 53 00-0362	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend .....	322.08	105.85
22 66 53 00-0363	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend .....	419.63	116.47
22 66 53 00-0364	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend .....	526.41	139.23

**22 66 53 00-0365 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** (22 66 53 00-0338)

22 66 53 00-0366	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep .....	440.08	105.85
22 66 53 00-0367	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep .....	778.18	116.47
22 66 53 00-0368	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep .....	871.68	139.37

**22 66 53 00-0369 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** (22 66 53 00-0338)

22 66 53 00-0370	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....	455.34	158.36
22 66 53 00-0371	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....	571.81	175.53
22 66 53 00-0372	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....	795.38	209.61
22 66 53 00-0373	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....	1,335.15	254.83
22 66 53 00-0374	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....	4,073.66	413.38
22 66 53 00-0375	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee .....	5,782.05	516.17

**22 66 53 00-0376 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** (22 66 53 00-0338)

22 66 53 00-0377	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	427.33	151.79
22 66 53 00-0378	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	498.54	162.97
22 66 53 00-0379	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	556.99	168.69
22 66 53 00-0380	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	637.84	186.29
22 66 53 00-0381	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	683.05	192.15
22 66 53 00-0382	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	750.43	197.88
22 66 53 00-0383	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	944.08	220.51
22 66 53 00-0384	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	1,047.17	226.19
22 66 53 00-0385	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee .....	1,171.67	236.59

**22 66 53 00-0386 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** (22 66 53 00-0338)

22 66 53 00-0387	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee .....	518.80	158.36
22 66 53 00-0388	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee .....	625.58	175.12
22 66 53 00-0389	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee .....	854.32	209.61

**22 66 53 00-0390 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees** (22 66 53 00-0338)

22 66 53 00-0391	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee .....	490.83	151.79
22 66 53 00-0392	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee .....	612.64	169.53
22 66 53 00-0393	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee .....	738.32	192.72
22 66 53 00-0394	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee .....	792.15	198.43

**22 66 53 00-0395 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes** (22 66 53 00-0338)

22 66 53 00-0396	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....	451.09	158.64
22 66 53 00-0397	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....	621.74	175.53
22 66 53 00-0398	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....	795.12	209.47
22 66 53 00-0399	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....	1,342.76	253.89
22 66 53 00-0400	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye .....	5,098.75	412.96

	MINOR CSI UOM DESCRIPTION		TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 66 53 00-0401</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes</b> <small>(22 66 53 00-0338)</small>			
22 66 53 00-0402	EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	463.60	151.79	
22 66 53 00-0403	EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	498.47	162.97	
22 66 53 00-0404	EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	526.70	169.67	
22 66 53 00-0405	EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	587.91	186.29	
22 66 53 00-0406	EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	610.76	192.43	
22 66 53 00-0407	EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	733.14	198.43	
22 66 53 00-0408	EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	993.66	220.78	
22 66 53 00-0409	EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,178.79	226.19	
22 66 53 00-0410	EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	1,230.67	236.59	
22 66 53 00-0411	EA 8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,000.29	333.15	
22 66 53 00-0412	EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,239.16	344.16	
22 66 53 00-0413	EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye.....	3,959.86	361.77	

<b>22 66 53 00-0414</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0338)</small>			
22 66 53 00-0415	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	536.88	158.36	
22 66 53 00-0416	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	639.19	175.12	
22 66 53 00-0417	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	945.09	209.61	
22 66 53 00-0418	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend.....	1,461.26	254.16	

<b>22 66 53 00-0419</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0338)</small>			
22 66 53 00-0420	EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	445.44	151.79	
22 66 53 00-0421	EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	516.63	162.97	
22 66 53 00-0422	EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	571.79	169.63	
22 66 53 00-0423	EA 4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	619.68	186.29	
22 66 53 00-0424	EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	715.63	192.72	
22 66 53 00-0425	EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	810.23	198.29	
22 66 53 00-0426	EA 6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,052.57	220.78	
22 66 53 00-0427	EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,310.51	226.32	
22 66 53 00-0428	EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend.....	1,435.48	237.00	

<b>22 66 53 00-0429</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers</b> <small>(22 66 53 00-0338)</small>			
22 66 53 00-0430	EA 2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	276.53	99.71	
22 66 53 00-0431	EA 3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	303.03	105.29	
22 66 53 00-0432	EA 3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	338.66	110.88	
22 66 53 00-0433	EA 4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	542.88	122.89	
22 66 53 00-0434	EA 4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	569.42	128.62	
22 66 53 00-0435	EA 6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	620.63	141.47	
22 66 53 00-0436	EA 6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	804.75	152.28	
22 66 53 00-0437	EA 8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,167.37	206.55	
22 66 53 00-0438	EA 8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer.....	1,243.56	224.03	

<b>22 66 53 00-0439</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers</b> <small>(22 66 53 00-0338)</small>			
22 66 53 00-0440	EA 2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	739.44	232.79	
22 66 53 00-0441	EA 2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	975.44	232.79	
22 66 53 00-0442	EA 3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	996.62	232.79	
22 66 53 00-0443	EA 4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser.....	1,131.00	315.50	

<b>22 66 53 00-0444</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps</b> <small>(22 66 53 00-0338)</small>			
22 66 53 00-0445	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	821.32	105.85	
22 66 53 00-0446	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	991.49	116.47	
22 66 53 00-0447	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	1,207.54	139.37	
22 66 53 00-0448	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap.....	3,562.88	169.57	

<b>22 66 53 00-0449</b>	<b>Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs</b> <small>(22 66 53 00-0338)</small>			
22 66 53 00-0450	EA 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	408.31	105.85	
22 66 53 00-0451	EA 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	514.94	116.47	
22 66 53 00-0452	EA 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	708.29	139.37	
22 66 53 00-0453	EA 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	916.13	169.57	
22 66 53 00-0454	EA 8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub.....	1,779.88	236.59	

<b>22 66 53 00-0455</b>	<b>Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings</b> <small>(22 66 53 00-0328)</small>			
Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.				
22 66 53 00-0456	LB Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	7.77		
22 66 53 00-0457	LB Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings.....	83.21		



**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0458			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings</b> <small>(22 66 53)</small> Note: ASTM A518.		
22 66 53 00-0459			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe</b> <small>(22 66 53 00-0458)</small>		
22 66 53 00-0460	LF		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	109.96	9.36
22 66 53 00-0461	LF		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	125.13	10.34
22 66 53 00-0462	LF		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	172.58	12.99
22 66 53 00-0463	LF		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe.....	217.68	15.09
22 66 53 00-0464			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings</b> <small>(22 66 53 00-0459)</small>		
22 66 53 00-0465			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0466	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	406.22	74.15
22 66 53 00-0467	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	438.84	83.78
22 66 53 00-0468	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	601.48	92.45
22 66 53 00-0469	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep.....	725.82	111.72
22 66 53 00-0470			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0471	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	229.21	74.15
22 66 53 00-0472	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	274.14	82.95
22 66 53 00-0473	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	352.33	92.73
22 66 53 00-0474	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	461.33	110.88
22 66 53 00-0475	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend.....	267.23	78.34
22 66 53 00-0476			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0477	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	229.21	74.15
22 66 53 00-0478	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	274.14	82.95
22 66 53 00-0479	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	352.33	92.73
22 66 53 00-0480	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend.....	461.33	110.88
22 66 53 00-0481			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0482	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	270.06	74.15
22 66 53 00-0483	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	337.68	82.95
22 66 53 00-0484	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	520.26	92.73
22 66 53 00-0485	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend.....	583.87	110.88
22 66 53 00-0486			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0487	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	260.98	74.15
22 66 53 00-0488	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	310.45	82.95
22 66 53 00-0489	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	479.41	92.73
22 66 53 00-0490	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend.....	543.02	110.88
22 66 53 00-0491			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0492	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend.....	394.22	111.58
22 66 53 00-0493			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0494	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	321.60	111.58
22 66 53 00-0495	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	397.20	125.68
22 66 53 00-0496	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	523.15	140.06
22 66 53 00-0497	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee.....	791.45	167.72
22 66 53 00-0498			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0499	EA		2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	371.96	120.93
22 66 53 00-0500	EA		3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	454.17	130.43
22 66 53 00-0501	EA		3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee.....	483.78	135.03
22 66 53 00-0502	EA		4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	518.33	149.00
22 66 53 00-0503	EA		4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	570.12	153.19
22 66 53 00-0504	EA		4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee.....	617.92	157.80
22 66 53 00-0505			<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0506	EA		1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	322.16	112.00
22 66 53 00-0507	EA		2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	379.05	125.68
22 66 53 00-0508	EA		3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	505.00	140.06
22 66 53 00-0509	EA		4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye.....	791.45	167.72



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>22 66 53 00-0510</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0511	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....	359.28	121.63
22 66 53 00-0512	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....	440.52	130.29
22 66 53 00-0513	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....	461.69	135.46
22 66 53 00-0514	EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....	519.00	149.42
22 66 53 00-0515	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....	571.38	154.03
22 66 53 00-0516	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye .....	604.90	158.22

<b>22 66 53 00-0517</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0518	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	482.30	149.14
22 66 53 00-0519	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	614.65	167.86
22 66 53 00-0520	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	786.72	185.73
22 66 53 00-0521	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	1,024.65	223.29
22 66 53 00-0522	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	531.88	157.93
22 66 53 00-0523	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	595.73	167.29
22 66 53 00-0524	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	709.52	176.51
22 66 53 00-0525	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	783.20	195.50
22 66 53 00-0526	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye .....	943.29	205.42

<b>22 66 53 00-0527</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0528	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	536.67	149.14
22 66 53 00-0529	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	632.48	167.57
22 66 53 00-0530	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	906.32	186.71
22 66 53 00-0531	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	1,265.55	223.57
22 66 53 00-0532	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	577.18	157.93
22 66 53 00-0533	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	754.52	167.29
22 66 53 00-0534	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	795.65	176.51
22 66 53 00-0535	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	851.21	195.37
22 66 53 00-0536	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross .....	1,082.90	204.59

<b>22 66 53 00-0537</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0538	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	357.36	111.16
22 66 53 00-0539	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	415.36	125.68
22 66 53 00-0540	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	505.00	140.06
22 66 53 00-0541	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend .....	841.38	167.72

<b>22 66 53 00-0542</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0543	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	394.76	121.08
22 66 53 00-0544	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	441.06	130.71
22 66 53 00-0545	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	479.84	135.46
22 66 53 00-0546	EA 4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	650.62	149.42
22 66 53 00-0547	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	666.69	154.03
22 66 53 00-0548	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend .....	745.59	158.22

<b>22 66 53 00-0549</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0550	EA 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	568.13	148.86
22 66 53 00-0551	EA 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	714.05	167.43
22 66 53 00-0552	EA 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	1,027.85	186.15
22 66 53 00-0553	EA 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend .....	1,234.49	223.99

<b>22 66 53 00-0554</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0555	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	618.03	157.93
22 66 53 00-0556	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	740.88	167.15
22 66 53 00-0557	EA 3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	772.96	176.51
22 66 53 00-0558	EA 4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	860.28	195.37
22 66 53 00-0559	EA 4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend .....	1,082.90	204.59

<b>22 66 53 00-0560</b>	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers</b> <small>(22 66 53 00-0464)</small>		
22 66 53 00-0561	EA 2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	268.41	79.18
22 66 53 00-0562	EA 3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	302.62	83.78

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

22 66 53 00-0563	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	355.33	97.75
22 66 53 00-0564	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	420.62	92.87
22 66 53 00-0565	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	445.74	97.48
22 66 53 00-0566	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser .....	470.85	102.08

**22 66 53 00-0567 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees** (22 66 53 00-0464)

22 66 53 00-0568	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	247.51	65.22
22 66 53 00-0569	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	287.57	73.73
22 66 53 00-0570	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	338.43	83.51
22 66 53 00-0571	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee .....	615.41	101.66

**22 66 53 00-0572 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs** (22 66 53 00-0464)

22 66 53 00-0573	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	110.07	37.14
22 66 53 00-0574	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	130.27	41.48
22 66 53 00-0575	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	142.13	46.36
22 66 53 00-0576	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug .....	183.02	55.43

**22 66 53 00-0577 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps** (22 66 53 00-0464)

22 66 53 00-0578	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	450.95	73.73
22 66 53 00-0579	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	464.76	82.95
22 66 53 00-0580	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	574.72	92.73
22 66 53 00-0581	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap .....	733.64	110.88
22 66 53 00-0582	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	627.14	79.31
22 66 53 00-0583	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	863.50	88.53
22 66 53 00-0584	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	1,045.15	97.75
22 66 53 00-0585	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap .....	1,300.10	116.47

**22 66 53 00-0586 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps** (22 66 53 00-0464)

22 66 53 00-0587	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap .....	838.75	84.21
22 66 53 00-0588	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap .....	1,324.22	93.14
22 66 53 00-0589	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap .....	874.55	83.78
22 66 53 00-0590	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap .....	1,324.22	93.14

**22 66 53 00-0591 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps** (22 66 53 00-0464)

22 66 53 00-0592	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap .....	779.24	83.78
22 66 53 00-0593	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap .....	915.75	93.14
22 66 53 00-0594	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap .....	901.78	83.78
22 66 53 00-0595	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap .....	1,982.32	93.14
22 66 53 00-0596	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap .....	1,178.99	93.14

**22 66 53 00-0597 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** (22 66 53 00-0464)

22 66 53 00-0598	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend .....	325.03	74.58
22 66 53 00-0599	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend .....	425.23	83.78

**22 66 53 00-0600 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** (22 66 53 00-0464)

22 66 53 00-0601	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	165.48	55.86
22 66 53 00-0602	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	304.08	60.61
22 66 53 00-0603	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter .....	222.74	69.83

**22 66 53 00-0604 Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** (22 66 53 00-0464)

22 66 53 00-0605	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	309.82	79.46
22 66 53 00-0606	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	338.92	83.78
22 66 53 00-0607	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	377.67	88.39
22 66 53 00-0608	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	404.89	97.48
22 66 53 00-0609	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	377.74	88.53
22 66 53 00-0610	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	398.27	93.14
22 66 53 00-0611	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	430.00	102.08
22 66 53 00-0612	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter .....	487.02	97.75
22 66 53 00-0613	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter .....	601.18	116.47

**22 66 53 00-0614 Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** (22 66 53 00-0464)

22 66 53 00-0615	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	108.93	
22 66 53 00-0616	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	127.08	
22 66 53 00-0617	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	136.16	
22 66 53 00-0618	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting .....	149.77	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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22 66 53 00-0619	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings</b> (22 66 53 00-0464)		
22 66 53 00-0620	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet.....	804.73	37.28
22 66 53 00-0621	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper.....	304.77	18.58
22 66 53 00-0622	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow.....	568.01	18.58
22 66 53 00-0623	<b>Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates</b> (22 66 53 00-0464)		
22 66 53 00-0624	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer.....	2,884.44	186.29
22 66 53 00-0625	EA Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer.....	3,561.03	195.64
22 66 53 00-0626	EA Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain.....	2,397.05	18.58
22 66 53 00-0627	<b>Chlorinated Polyvinyl Chloride (CPVC) Drain-Waste-Vent (DWV) Pipe And Fittings (ASTM F2618)</b> (22 66 53)		
22 66 53 00-0628	<b>Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe</b> (22 66 53 00-0627)		
	Note: Excludes fittings or hangers.		
22 66 53 00-0629	LF 1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	20.23	5.87
22 66 53 00-0630	LF 2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	26.01	6.98
22 66 53 00-0631	LF 3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	43.10	10.05
22 66 53 00-0632	LF 4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	56.13	10.89
22 66 53 00-0633	LF 6" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	92.15	13.52
22 66 53 00-0634	LF 8" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) DWV Pipe.....	209.87	17.97
22 66 53 00-0635	<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Fittings</b> (22 66 53 00-0627)		
22 66 53 00-0636	<b>Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends</b> (22 66 53 00-0635)		
22 66 53 00-0637	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	78.97	23.33
	Note: 0.125		
	<i>For Work In Restricted Working Space, Add</i>	10.47	
22 66 53 00-0638	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	99.41	29.75
	Note: 0.16		
	<i>For Work In Restricted Working Space, Add</i>	13.40	
22 66 53 00-0639	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	152.99	39.93
	Note: 0.215		
	<i>For Work In Restricted Working Space, Add</i>	18.01	
22 66 53 00-0640	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	217.70	46.50
	Note: 0.25		
	<i>For Work In Restricted Working Space, Add</i>	20.95	
22 66 53 00-0641	EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	473.44	60.47
	Note: 0.325		
	<i>For Work In Restricted Working Space, Add</i>	27.23	
22 66 53 00-0642	EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/4 Bends.....	655.57	81.41
	Note: 0.438		
	<i>For Work In Restricted Working Space, Add</i>	36.66	
22 66 53 00-0643	<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends</b> (22 66 53 00-0635)		
22 66 53 00-0644	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	80.49	23.33
	<i>For Work In Restricted Working Space, Add</i>	10.47	
22 66 53 00-0645	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	106.81	29.75
	<i>For Work In Restricted Working Space, Add</i>	13.40	
22 66 53 00-0646	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	166.35	39.93
	<i>For Work In Restricted Working Space, Add</i>	18.01	
22 66 53 00-0647	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Long Sweep 1/4 Bends.....	222.60	46.50
	<i>For Work In Restricted Working Space, Add</i>	20.95	
22 66 53 00-0648	<b>Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends</b> (22 66 53 00-0635)		
22 66 53 00-0649	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	78.20	23.33
	<i>For Work In Restricted Working Space, Add</i>	10.47	
22 66 53 00-0650	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	97.41	29.75
	<i>For Work In Restricted Working Space, Add</i>	13.40	
22 66 53 00-0651	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	156.82	39.93
	<i>For Work In Restricted Working Space, Add</i>	18.01	
22 66 53 00-0652	EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	179.51	46.50
	<i>For Work In Restricted Working Space, Add</i>	20.95	
22 66 53 00-0653	EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	411.11	60.47
	<i>For Work In Restricted Working Space, Add</i>	27.23	
22 66 53 00-0654	EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/8 Bends.....	584.09	81.41
	<i>For Work In Restricted Working Space, Add</i>	36.66	
22 66 53 00-0655	<b>Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends</b> (22 66 53 00-0635)		
22 66 53 00-0656	EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	79.06	23.33
	<i>For Work In Restricted Working Space, Add</i>	10.47	
22 66 53 00-0657	EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	97.34	29.75
	<i>For Work In Restricted Working Space, Add</i>	13.40	
22 66 53 00-0658	EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends.....	155.23	39.93
	<i>For Work In Restricted Working Space, Add</i>	18.01	

**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 66 53 00-0659	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	191.95	20.95	46.50
22 66 53 00-0660	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	334.95	27.23	60.47
22 66 53 00-0661	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV 1/16 Bends <i>For Work In Restricted Working Space, Add</i>	373.97	36.66	81.41
<b>22 66 53 00-0662</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends</b> <small>(22 66 53 00-0635)</small>			
22 66 53 00-0663	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	451.28	27.02	60.04
22 66 53 00-0664	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	349.56	20.11	44.68
22 66 53 00-0665	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double 1/4 Bends <i>For Work In Restricted Working Space, Add</i>	214.02	15.71	34.91
<b>22 66 53 00-0666</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees</b> <small>(22 66 53 00-0635)</small>			
22 66 53 00-0667	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	107.10	15.71	34.91
22 66 53 00-0668	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	132.59	20.11	44.68
22 66 53 00-0669	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	221.28	27.02	60.04
22 66 53 00-0670	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	301.26	31.42	69.83
22 66 53 00-0671	EA	6" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	791.19	40.85	90.63
22 66 53 00-0672	EA	8" Chlorinated Polyvinyl Chloride (CPVC) DWV Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,096.07	54.99	122.05
<b>22 66 53 00-0673</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees</b> <small>(22 66 53 00-0635)</small>			
22 66 53 00-0674	EA	2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	122.68	17.18	38.12
22 66 53 00-0675	EA	2" x 1-1/2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	130.54	18.64	41.34
22 66 53 00-0676	EA	2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	127.57	18.64	41.34
22 66 53 00-0677	EA	3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	191.38	23.25	51.67
22 66 53 00-0678	EA	3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	204.82	24.72	54.88
22 66 53 00-0679	EA	4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	267.75	27.65	61.45
22 66 53 00-0680	EA	4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	283.30	29.96	66.47
22 66 53 00-0681	EA	6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	584.37	37.70	83.65
22 66 53 00-0682	EA	8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	1,353.24	47.13	104.60
<b>22 66 53 00-0683</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees</b> <small>(22 66 53 00-0635)</small>			
22 66 53 00-0684	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	152.29	20.95	46.50
22 66 53 00-0685	EA	2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	186.61	26.81	59.49
22 66 53 00-0686	EA	3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	250.14	36.03	80.02
22 66 53 00-0687	EA	4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tees <i>For Work In Restricted Working Space, Add</i>	313.19	41.89	93.00
<b>22 66 53 00-0688</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Sanitary Tees</b> <small>(22 66 53 00-0635)</small>			
22 66 53 00-0689	EA	2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	188.22	23.88	53.06
22 66 53 00-0690	EA	3" x 3" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	224.79	28.49	63.26
22 66 53 00-0691	EA	3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	287.50	31.42	69.83
22 66 53 00-0692	EA	4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	255.55	34.35	76.25
22 66 53 00-0693	EA	4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Sanitary Tee <i>For Work In Restricted Working Space, Add</i>	285.59	38.96	86.44
<b>22 66 53 00-0694</b>		<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers</b> <small>(22 66 53 00-0635)</small>			
22 66 53 00-0695	EA	2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	107.15	11.94	26.53
22 66 53 00-0696	EA	3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	118.58	14.24	31.56
22 66 53 00-0697	EA	3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers <i>For Work In Restricted Working Space, Add</i>	194.59	15.71	34.91



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0698 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	213.53 17.18	38.12
22 66 53 00-0699 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	235.45 19.48	43.29
22 66 53 00-0700 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	319.93 22.62	50.27
22 66 53 00-0701 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducers..... <i>For Work In Restricted Working Space, Add</i>	368.64 24.09	53.49
<b>22 66 53 00-0702 Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushings</b> (22 66 53 00-0635)		
22 66 53 00-0703 EA 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	76.50 11.94	26.53
22 66 53 00-0704 EA 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	86.26 14.24	31.56
22 66 53 00-0705 EA 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	94.66 15.71	34.91
22 66 53 00-0706 EA 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	151.10 17.18	38.12
22 66 53 00-0707 EA 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	160.96 19.48	43.29
22 66 53 00-0708 EA 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	251.57 22.62	50.27
22 66 53 00-0709 EA 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	248.29 24.09	53.49
22 66 53 00-0710 EA 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	706.69 28.82	63.96
22 66 53 00-0711 EA 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Flush Bushing ..... <i>For Work In Restricted Working Space, Add</i>	743.58 31.97	70.94
<b>22 66 53 00-0712 Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps</b> (22 66 53 00-0635)		
22 66 53 00-0713 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	138.29 15.71	34.91
22 66 53 00-0714 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	186.91 20.11	44.68
22 66 53 00-0715 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	307.69 27.02	60.04
22 66 53 00-0716 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV P-Traps ..... <i>For Work In Restricted Working Space, Add</i>	491.53 31.42	69.83
<b>22 66 53 00-0717 Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes</b> (22 66 53 00-0635)		
22 66 53 00-0718 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	108.16 15.71	34.91
22 66 53 00-0719 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	145.29 20.11	44.68
22 66 53 00-0720 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	229.58 27.02	60.04
22 66 53 00-0721 EA 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	308.06 31.42	69.83
22 66 53 00-0722 EA 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	652.30 40.85	90.63
22 66 53 00-0723 EA 8" Chlorinated Polyvinyl Chloride (CPVC) DWV Wyes ..... <i>For Work In Restricted Working Space, Add</i>	745.11 54.99	122.05
<b>22 66 53 00-0724 Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes</b> (22 66 53 00-0635)		
22 66 53 00-0725 EA 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	118.24 17.18	38.12
22 66 53 00-0726 EA 2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	140.40 18.64	41.34
22 66 53 00-0727 EA 3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	197.61 23.25	51.67
22 66 53 00-0728 EA 3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	212.41 24.72	54.88
22 66 53 00-0729 EA 4" x 4" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	216.35 26.18	58.10
22 66 53 00-0730 EA 4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	279.30 27.65	61.45
22 66 53 00-0731 EA 4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	295.02 29.96	66.47
22 66 53 00-0732 EA 6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	460.86 37.70	83.65
22 66 53 00-0733 EA 8" x 8" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	547.54 47.13	104.60
22 66 53 00-0734 EA 8" x 8" x 6" Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Wyes..... <i>For Work In Restricted Working Space, Add</i>	602.10 50.27	111.58
<b>22 66 53 00-0735 Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes</b> (22 66 53 00-0635)		
22 66 53 00-0736 EA 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	174.51 20.95	46.50
22 66 53 00-0737 EA 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	200.04 26.81	59.49
22 66 53 00-0738 EA 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes..... <i>For Work In Restricted Working Space, Add</i>	320.16 36.03	80.02



**22 Plumbing****22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities****22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0739	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	596.02 41.89	93.00
22 66 53 00-0740	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	975.19 54.46	120.93
<b>22 66 53 00-0741</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Wyes</b> (22 66 53 00-0635)		
22 66 53 00-0742	EA		2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	245.66 23.88	53.06
22 66 53 00-0743	EA		3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	309.07 31.42	69.83
22 66 53 00-0744	EA		4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	534.15 38.96	86.44
22 66 53 00-0745	EA		6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Wyes <i>For Work In Restricted Working Space, Add</i>	792.35 48.18	106.97
<b>22 66 53 00-0746</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends</b> (22 66 53 00-0635)		
22 66 53 00-0747	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	125.21 15.71	34.91
22 66 53 00-0748	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	164.22 20.11	44.68
22 66 53 00-0749	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	245.24 27.02	60.04
22 66 53 00-0750	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	325.12 31.42	69.83
22 66 53 00-0751	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	731.81 40.85	90.63
22 66 53 00-0752	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	1,279.29 54.99	122.05
<b>22 66 53 00-0753</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Combination Wye And 1/8 Bends</b> (22 66 53 00-0635)		
22 66 53 00-0754	EA		2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	117.84 17.18	38.12
22 66 53 00-0755	EA		2" x 2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	149.65 18.64	41.34
22 66 53 00-0756	EA		3" x 3" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	206.57 23.25	51.67
22 66 53 00-0757	EA		3" x 3" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	222.20 24.72	54.88
22 66 53 00-0758	EA		4" x 4" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	285.76 27.65	61.45
22 66 53 00-0759	EA		4" x 4" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	302.97 29.96	66.47
22 66 53 00-0760	EA		6" x 6" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	571.66 36.24	80.43
22 66 53 00-0761	EA		6" x 6" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	593.91 37.70	83.65
<b>22 66 53 00-0762</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends</b> (22 66 53 00-0635)		
22 66 53 00-0763	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	188.10 20.95	46.50
22 66 53 00-0764	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	281.51 26.81	59.49
22 66 53 00-0765	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	450.33 36.03	80.02
22 66 53 00-0766	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	765.41 41.89	93.00
22 66 53 00-0767	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	1,053.50 54.46	120.93
<b>22 66 53 00-0768</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Reducing Double Combination Wye And 1/8 Bends</b> (22 66 53 00-0635)		
22 66 53 00-0769	EA		2" x 2" x 1-1/2" x 1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	245.68 23.88	53.06
22 66 53 00-0770	EA		3" x 3" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	381.58 31.42	69.83
22 66 53 00-0771	EA		4" x 4" x 2" x 2" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	461.19 34.35	76.25
22 66 53 00-0772	EA		4" x 4" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	476.55 38.96	86.44
22 66 53 00-0773	EA		6" x 6" x 3" x 3" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	603.60 45.24	100.40
22 66 53 00-0774	EA		6" x 6" x 4" x 4" Chlorinated Polyvinyl Chloride (CPVC) DWV Double Combination Wye And 1/8 Bends <i>For Work In Restricted Working Space, Add</i>	677.31 48.18	106.97
<b>22 66 53 00-0775</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees With Plug</b> (22 66 53 00-0635)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0776	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... <i>For Work In Restricted Working Space, Add</i>	117.55 15.71	34.91
22 66 53 00-0777	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... <i>For Work In Restricted Working Space, Add</i>	139.03 20.11	44.68
22 66 53 00-0778	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... <i>For Work In Restricted Working Space, Add</i>	241.05 27.02	60.04
22 66 53 00-0779	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... <i>For Work In Restricted Working Space, Add</i>	310.34 31.42	69.83
22 66 53 00-0780	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Tees..... <i>For Work In Restricted Working Space, Add</i>	691.41 40.85	90.63
22 66 53 00-0781	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	27.31 5.24	11.59
22 66 53 00-0782	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	33.13 6.71	14.80
22 66 53 00-0783	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	48.85 9.01	19.97
22 66 53 00-0784	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	56.02 10.47	23.18
22 66 53 00-0785	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Plug..... <i>For Work In Restricted Working Space, Add</i>	94.63 13.61	30.16
<b>22 66 53 00-0786</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug</b> <small>(22 66 53 00-0635)</small>		
22 66 53 00-0787	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	63.41 10.47	23.33
22 66 53 00-0788	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	78.28 13.40	29.75
22 66 53 00-0789	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	122.04 18.01	39.93
22 66 53 00-0790	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	176.48 20.95	46.50
22 66 53 00-0791	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	275.26 27.23	60.47
22 66 53 00-0792	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cleanout Adapters With Plug..... <i>For Work In Restricted Working Space, Add</i>	489.48 36.70	81.41
<b>22 66 53 00-0793</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Couplings</b> <small>(22 66 53 00-0635)</small>		
22 66 53 00-0794	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	69.33 10.47	23.33
22 66 53 00-0795	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	87.64 13.40	29.75
22 66 53 00-0796	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	115.01 18.01	39.93
22 66 53 00-0797	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	148.04 20.95	46.50
22 66 53 00-0798	EA		6" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	214.74 27.23	60.47
22 66 53 00-0799	EA		8" Chlorinated Polyvinyl Chloride (CPVC) Couplings..... <i>For Work In Restricted Working Space, Add</i>	456.65 36.70	81.41
<b>22 66 53 00-0800</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Female Adapters</b> <small>(22 66 53 00-0635)</small>		
22 66 53 00-0801	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	44.54	11.59
22 66 53 00-0802	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	59.23	14.95
22 66 53 00-0803	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	90.88	19.97
22 66 53 00-0804	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	151.90	23.33
22 66 53 00-0805	EA		6" Chlorinated Polyvinyl Chloride (CPVC) Female Adapters.....	241.36	30.16
<b>22 66 53 00-0806</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Male Adapters</b> <small>(22 66 53 00-0635)</small>		
22 66 53 00-0807	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	49.88	11.59
22 66 53 00-0808	EA		2" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	71.01	14.95
22 66 53 00-0809	EA		3" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	83.30	19.97
22 66 53 00-0810	EA		4" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	146.00	23.33
22 66 53 00-0811	EA		6" Chlorinated Polyvinyl Chloride (CPVC) Male Adapters.....	195.33	30.16
<b>22 66 53 00-0812</b>			<b>Chlorinated Polyvinyl Chloride (CPVC) Caps</b> <small>(22 66 53 00-0635)</small>		
22 66 53 00-0813	EA		1-1/2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	44.22	11.59
22 66 53 00-0814	EA		2" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	54.38	14.95
22 66 53 00-0815	EA		3" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	85.37	19.97
22 66 53 00-0816	EA		4" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	147.74	23.33
22 66 53 00-0817	EA		6" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	188.37	30.16
22 66 53 00-0818	EA		8" Chlorinated Polyvinyl Chloride (CPVC) DWV Cap.....	296.95	40.77
<b>22 66 83</b>			<b>Chemical-Waste Tanks</b> <small>(22 66)</small>		
<b>22 66 83 16</b>			<b>Chemical-Waste Neutralization Tanks</b> <small>(22 66 83)</small>		
22 66 83 16-0001			<b>Acid Neutralization Tank</b> <small>(22 66 83 16)</small>		
22 66 83 16-0002			<b>Polyethylene Acid Neutralization Tank</b> <small>(22 66 83 16-0001)</small>		
22 66 83 16-0003	EA		5 Gallon Capacity Polyethylene Acid Neutralization Tank.....	651.39	284.32
22 66 83 16-0004	EA		15 Gallon Capacity Polyethylene Acid Neutralization Tank.....	1,154.70	394.25

**22 Plumbing**

**22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities**

**22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank .....		1,452.51	568.63
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank .....		1,870.60	758.17
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank .....		2,388.45	909.81
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank .....		3,243.09	1,137.26
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank .....		3,767.41	1,421.58
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank .....		4,861.23	1,705.89
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank .....		5,543.05	2,047.07
<b>22 66 83 16-0012 Polypropylene Acid Neutralization Tank (22 66 83 16-0001)</b>					
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank .....		1,032.58	284.32
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank .....		1,758.27	394.25
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank .....		2,859.60	568.63
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank .....		3,770.08	758.17
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank .....		4,761.41	909.81
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank .....		5,298.84	1,137.26
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank .....		5,814.09	1,421.58
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank .....		8,435.00	1,705.89
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank .....		9,164.45	2,047.07
<b>22 66 83 16-0022 Chemical Dilution Trap (22 66 83 16)</b>					
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....		570.01	94.77
		Note: 1-1/2" top inlet and side outlet with anti siphon.			
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....		587.33	94.77
		Note: 1-1/2" top inlet and side outlet with anti siphon.			
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....		604.65	94.77
		Note: 1-1/2" top inlet and side outlet with anti siphon.			
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap .....		665.47	113.72
		Note: 1-1/2" top inlet and side outlet with anti siphon.			

**END OF SECTION 22**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

### 23 01 Operation and Maintenance of HVAC Systems (23)

#### 23 01 10 Operation and Maintenance of Facility Fuel Systems (23 01)

##### 23 01 10 91 Facility Fuel Systems Restoration (23 01 10)

##### 23 01 10 91-0001 Purge Gas Systems (23 01 10 91)

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	697.73
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	996.51
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,046.38
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	1,153.62
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems.....	2,089.19
23 01 10 91-0007	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	937.35
23 01 10 91-0008	EA	>100' To 250', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,346.08
23 01 10 91-0009	EA	>250' To 500', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,423.44
23 01 10 91-0010	EA	>500' To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	1,867.56
23 01 10 91-0011	EA	>1,000' To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Gas Systems.....	2,887.55
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,106.99
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems.....	1,624.43
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems.....	3,747.33
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	5,842.92
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems.....	10,974.86

#### 23 01 20 Operation and Maintenance of HVAC Piping and Pumps (23 01)

##### 23 01 20 91 HVAC Piping and Pumps Restoration (23 01 20)

##### 23 01 20 91-0001 Lock Out/Tag Out System (23 01 20 91)

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve.....	37.91
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve.....	45.50
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve.....	53.08
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve.....	60.66
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve.....	75.81
Note: Excludes tag or padlock See CSI section 23 01 20 91-0007 for padlock, 23 01 20 91-0008 for tag(s).			
23 01 20 91-0007	EA	Lock Out Padlock.....	15.16
23 01 20 91-0008	EA	Lock Out Tags.....	5.61

##### 23 01 20 91-0009 Freeze Pipe Using CO2 Kit (23 01 20 91)

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit.....	402.24
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##### 23 01 20 91-0011 Pipe Freezing (23 01 20 91)

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location.....	744.63
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First.....	418.46
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location.....	898.24
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First.....	483.35
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location.....	1,221.05
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First.....	548.43
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location.....	1,391.58
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First.....	642.06
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location.....	2,012.90
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First.....	742.02
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location.....	4,058.06
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First.....	960.29
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location.....	5,398.83
Note: Includes freezing on each side of valve or fitting.			
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First.....	1,397.75
Note: Includes freezing on each side of valve or fitting.			

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 01 Operation and Maintenance of HVAC Systems

23 01 20 Operation and Maintenance of HVAC Piping and Pumps

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like '23 01 20 91-0026 EA >8" To 10" Pipe Freezing, First Location' and '23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing'.



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 01 20 91-0073	Add-A-Valve Emergency Shut Off Device <small>(23 01 20 91)</small>		
23 01 20 91-0074	EA 1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	414.14	
23 01 20 91-0075	EA 3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	520.87	
23 01 20 91-0076	EA 1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	719.32	
23 01 20 91-0077	EA 1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	1,095.49	
23 01 20 91-0078	EA 1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	1,350.92	
23 01 20 91-0079	EA 2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	2,033.40	

**23 01 30 Operation and Maintenance of HVAC Air Distribution (23 01)**

**23 01 30 51 HVAC Air-Distribution System Cleaning (23 01 30)**

23 01 30 51-0001	Cleaning Of Ductwork And HVAC Equipment <small>(23 01 30 51)</small>		
23 01 30 51-0002	LF Up To 2 SF Cross Section, Clean Supply/Return Ductwork <small>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.</small>	4.25	
	<i>For Exhaust Ductwork, Add</i>	1.06	
23 01 30 51-0003	LF >2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork <small>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.</small>	5.34	
	<i>For Exhaust Ductwork, Add</i>	1.34	
23 01 30 51-0004	LF >4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork <small>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.</small>	7.16	
	<i>For Exhaust Ductwork, Add</i>	1.79	
23 01 30 51-0005	LF >8 SF Cross Section, Clean Supply/Return Ductwork <small>Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.</small>	10.14	
	<i>For Exhaust Ductwork, Add</i>	2.54	
23 01 30 51-0006	LF Clean Supply/Return Shafts	12.61	
23 01 30 51-0007	EA Clean Floor Transition	10.14	
23 01 30 51-0008	SF Clean Duct Dampers	14.32	
23 01 30 51-0009	SF Clean Duct Fire Dampers	28.66	
23 01 30 51-0010	SF Clean Louver	11.46	
23 01 30 51-0011	EA Clean Turning Vane Set	34.39	
23 01 30 51-0012	EA Clean Grille/Diffuser/Register <small>Note: Includes removal and reinstallation.</small>	34.39	
23 01 30 51-0013	LF Clean Linear Diffuser <small>Note: Includes removal and reinstallation.</small>	8.59	
23 01 30 51-0014	EA Cut Access For Cleaning Duct And Install Duct Insulated Access Doors <i>For Stainless Steel, Add</i>	114.41 74.44	
23 01 30 51-0015	EA Clean Variable Air Volume (VAV) Unit	103.15	
23 01 30 51-0016	EA Clean Fan Powered Induction Unit (PIU) Unit	137.53	
23 01 30 51-0017	EA Clean Fan Coil Unit (FCU)	137.53	
23 01 30 51-0018	EA Clean Packaged Terminal Air Conditioning Unit	137.53	
23 01 30 51-0019	EA Clean Supply Or Return Fan	275.07	
23 01 30 51-0020	EA Clean Exhaust Fan	240.68	
23 01 30 51-0021	EA Clean Duct Coil	206.30	
23 01 30 51-0022	SF Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum <small>Note: Excluding fan and coils.</small>	6.88	
23 01 30 51-0023	EA Clean Air Handling Unit Fan	275.07	
23 01 30 51-0024	EA Clean Air Handling Unit Coil	412.59	
23 01 30 51-0025	SF Clean Equipment Surfaces, Rust Reform And Prime	3.68	
23 01 30 51-0026	SF Clean Interior Equipment Surfaces, Rust Reform And Prime	4.37	
23 01 30 51-0027	SF High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.84	
23 01 30 51-0028	EA Cleaning Of Ductwork Minimum Set-up Charge <small>Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.</small>	1,021.46	
23 01 30 51-0029	SF Apply Anti-microbial Agent To Ductwork And Surfaces After Cleaning	0.61	

**23 01 30 61 HVAC Air-Distribution Duct Repair (23 01 30)**

23 01 30 61-0001	Repair And Seal Ductwork <small>(23 01 30 61)</small> <small>Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.</small>		
23 01 30 61-0002	SF Repair And Sealing Of Ductwork <small>Note: Clean, apply sealant and tape</small>	2.49	

**23 01 50 Operation and Maintenance of Central Heating Equipment (23 01)**

**23 01 50 61 Central Heating Equipment Repair (23 01 50)**

23 01 50 61-0001	Boiler Repairs <small>(23 01 50 61)</small>		
23 01 50 61-0002	Setup And Maintenance <small>(23 01 50 61-0001)</small>		
23 01 50 61-0003	EA Set-up Charge For Boiler Fire Side Maintenance <small>Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.</small>	3,314.46	
23 01 50 61-0004	EA Close-up Charge For Boiler Fire Side Maintenance <small>Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.</small>	3,556.42	
	<i>For Burner Seals, Add</i>	731.45	
	<small>Note: Used when burner must be removed from door for maintenance.</small>		
23 01 50 61-0005	EA Setup Charge For Boiler Water Side Maintenance <small>Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.</small>	4,419.29	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 01 Operation and Maintenance of HVAC Systems****23 01 50 Operation and Maintenance of Central Heating Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance.....	2,209.64	
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance.....	4,419.29	
		Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.		
23 01 50 61-0008	EA	Removal And Replacement Of Handhole.....	138.10	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole.....	414.31	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch.....	15.57	

**23 01 50 61-0011 Boiler Tube Replacement** (23 01 50 61-0001)

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube.....	331.44	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube.....	414.32	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube.....	580.02	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination.....	20.58	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination.....	24.22	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination.....	27.90	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination.....	41.78	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination.....	49.48	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination.....	64.56	
		Note: Includes black steel tube, fasteners and accessories.		
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	41.43	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube).....	62.15	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	82.86	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube).....	103.58	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube).....	124.29	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube).....	145.01	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	124.29	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube).....	165.73	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	207.15	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube).....	248.59	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube).....	290.01	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube).....	331.44	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced.....	426.74	

**23 01 50 61-0034 Cast Iron Boiler Section Replacement** (23 01 50 61-0001)

23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler.....	3,360.31	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,224.39	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler.....	2,968.46	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler.....	6,026.31	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler.....	4,277.34	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler.....	5,276.82	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler.....	9,571.81	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler.....	7,187.84	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler.....	8,147.77	

**23 01 50 61-0044 Cast Iron Grate Replacement** (23 01 50 61-0001)

23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold.....	159.50	
		Note: Includes support, linkages and removal of existing.		
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold.....	2,213.57	
		Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.		

**23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners** (23 01 50 61-0001)

		Note: Includes mounting plate, mechanical and electrical labor for installation of burners.		
23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed.....	11,408.07	1,482.92
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed.....	16,383.85	1,835.96
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed.....	19,366.44	2,224.23
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged.....	22,787.07	2,394.09

**23 01 50 61-0052 Boiler And Chiller Water Treatment** (23 01 50 61)

		Note: 3 LB chemical per 50 gallon system water.		
23 01 50 61-0053	LB	Boil Out Boiler And System With Caustic Soda.....	1.73	
		Note: Includes disposal after treatment.		
23 01 50 61-0054	LB	Boil Out Boiler And System With Trisodium Phosphate.....	2.59	
		Note: Includes disposal after treatment.		
23 01 50 61-0055	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required.....	161.98	

**23 01 60 Operation and Maintenance of Central Cooling Equipment** (23 01)**23 01 60 61 Central Cooling Equipment Repair** (23 01 60)**23 01 60 61-0001 Cooling Tower Repairs** (23 01 60 61)

23 01 60 61-0002	EA	Replace 6' Diameter 4 Blade, Cooling Tower Fan Blade.....	3,636.64	
23 01 60 61-0003	EA	Replace 6' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,280.11	
23 01 60 61-0004	EA	Replace 6' Diameter 6 Blade, Cooling Tower Fan Blade.....	4,918.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 01 60 61-0005	EA		Replace 6' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,804.22	
23 01 60 61-0006	EA		Replace 6' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,393.67	
23 01 60 61-0007	EA		Replace 8' Diameter 4 Blade, Cooling Tower Fan Blade.....	4,020.93	
23 01 60 61-0008	EA		Replace 8' Diameter 5 Blade, Cooling Tower Fan Blade.....	4,471.81	
23 01 60 61-0009	EA		Replace 8' Diameter 6 Blade, Cooling Tower Fan Blade.....	5,246.78	
23 01 60 61-0010	EA		Replace 8' Diameter 7 Blade, Cooling Tower Fan Blade.....	5,974.79	
23 01 60 61-0011	EA		Replace 8' Diameter 8 Blade, Cooling Tower Fan Blade.....	6,578.34	
23 01 60 61-0012	EA		Replace Individual Cooling Tower Fan Blade For 6' Diameter Fan.....	997.21	
23 01 60 61-0013	EA		Replace Individual Cooling Tower Fan Blade For 8' Diameter Fan.....	1,036.96	
23 01 60 61-0014	EA		Replace Individual Cooling Tower Fan Blade For 10' Diameter Fan.....	1,109.60	
23 01 60 61-0015	EA		Replace Individual Cooling Tower Fan Blade For 12' Diameter Fan.....	1,292.62	
23 01 60 61-0016	EA		Replace Individual Cooling Tower Fan Blade For 14' Diameter Fan.....	1,600.07	
23 01 60 61-0017	EA		Replace Individual Cooling Tower Fan Blade For 16' Diameter Fan.....	2,168.84	
23 01 60 61-0018	EA		Replace Individual Cooling Tower Fan Blade For 18' Diameter Fan.....	2,271.39	
23 01 60 61-0019	EA		Replace Individual Cooling Tower Fan Blade For 20' Diameter Fan.....	2,440.23	
23 01 60 61-0020	EA		Replace Counterflow Nozzle (1/2" - 2" NPT Thread).....	49.05	
23 01 60 61-0021	EA		Replace 6' Polyvinyl Chloride (PVC) Splash Fill.....	30.76	

**23 01 60 71 Refrigerant Recovery/Recycling (23 01 60)**

23 01 60 71-0001			<b>Refrigerant Recovery, Reclaim And Recycling (23 01 60 71)</b>		
23 01 60 71-0002	LB		Recovery Of Refrigerant.....	15.97	
23 01 60 71-0003	LB		Recovery And Recharging Of Refrigerant..... Note: Includes cleaning refrigerant gas prior to recharging.	29.97	
23 01 60 71-0004	LB		Recharging Of Refrigerant..... Note: Excludes refrigerant filling at time of installation of HVAC or Condenser units. See CSI section 23 23 00-0000 for refrigerants.	13.46	

**23 05 Common Work Results for HVAC (23)**

**23 05 13 Common Motor Requirements for HVAC Equipment (23 05)**

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001			<b>Premium Efficient, Motors (23 05 13)</b>		
			Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.		
23 05 13 00-0002			<b>Premium Efficient, Open Drip Proof Motors (23 05 13 00-0001)</b>		
			Note: NEMA premium efficiency, open drip proof, three phase AC motors.		
23 05 13 00-0003			<b>Steel Frame, Premium Efficient, Open Drip Proof Motors (23 05 13 00-0002)</b>		
23 05 13 00-0004	EA		1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	725.71	
23 05 13 00-0005	EA		1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	821.73	
23 05 13 00-0006	EA		1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	963.41	
23 05 13 00-0007	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	809.14	
23 05 13 00-0008	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	859.51	
23 05 13 00-0009	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,127.13	
23 05 13 00-0010	EA		2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	950.82	
23 05 13 00-0011	EA		2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	920.91	
23 05 13 00-0012	EA		2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,152.31	
23 05 13 00-0013	EA		3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	963.41	
23 05 13 00-0014	EA		3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	993.32	
23 05 13 00-0015	EA		3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,467.15	
23 05 13 00-0016	EA		5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,051.57	
23 05 13 00-0017	EA		5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,087.77	
23 05 13 00-0018	EA		5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,922.10	
23 05 13 00-0019	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,668.65	
23 05 13 00-0020	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,599.39	
23 05 13 00-0021	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,304.63	
23 05 13 00-0022	EA		10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,907.93	
23 05 13 00-0023	EA		10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	1,936.27	
23 05 13 00-0024	EA		10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,998.85	
23 05 13 00-0025	EA		15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,710.77	
23 05 13 00-0026	EA		15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	2,742.26	
23 05 13 00-0027	EA		15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,044.12	
23 05 13 00-0028	EA		20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,184.61	
23 05 13 00-0029	EA		20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,442.78	
23 05 13 00-0030	EA		20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,922.52	
23 05 13 00-0031	EA		25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	3,823.73	
23 05 13 00-0032	EA		25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,196.82	
23 05 13 00-0033	EA		25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,945.75	
23 05 13 00-0034	EA		30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,511.66	
23 05 13 00-0035	EA		30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	4,588.79	
23 05 13 00-0036	EA		30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,202.35	
23 05 13 00-0037	EA		40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,813.52	
23 05 13 00-0038	EA		40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	5,986.68	
23 05 13 00-0039	EA		50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,331.43	
23 05 13 00-0040	EA		50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	6,606.92	
23 05 13 00-0041	EA		60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,011.10	
23 05 13 00-0042	EA		60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	8,318.07	
23 05 13 00-0043	EA		75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	10,509.36	
23 05 13 00-0044	EA		75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	10,210.26	
23 05 13 00-0045	EA		100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	11,233.49	
23 05 13 00-0046	EA		100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	11,878.91	
23 05 13 00-0047	EA		125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor.....	14,098.54	

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 05 Common Work Results for HVAC

23 05 13 Common Motor Requirements for HVAC Equipment

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include motor specifications like '125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor' and 'Cast Iron Frame, Premium Efficient, Open Drip Proof Motors'.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 13 00-0125	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	19,055.69	
23 05 13 00-0126	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	17,176.10	
23 05 13 00-0127	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	21,264.29	
23 05 13 00-0128	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	24,459.92	
23 05 13 00-0129	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor .....	30,740.98	

**23 05 13 00-0130**

**Premium Efficient, Severe Duty Motors (23 05 13 00-0001)**

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA		1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,257.79	
23 05 13 00-0132	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,382.15	
23 05 13 00-0133	EA		1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,526.97	
23 05 13 00-0134	EA		1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,145.63	
23 05 13 00-0135	EA		1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,430.95	
23 05 13 00-0136	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,408.91	
23 05 13 00-0137	EA		1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,786.72	
23 05 13 00-0138	EA		1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,669.84	
23 05 13 00-0139	EA		2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,497.06	
23 05 13 00-0140	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,470.30	
23 05 13 00-0141	EA		2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,810.33	
23 05 13 00-0142	EA		2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	3,367.21	
23 05 13 00-0143	EA		3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,770.98	
23 05 13 00-0144	EA		3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,860.70	
23 05 13 00-0145	EA		3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,613.17	
23 05 13 00-0146	EA		3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	3,652.14	
23 05 13 00-0147	EA		5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,178.69	
23 05 13 00-0148	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	1,893.76	
23 05 13 00-0149	EA		5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,647.80	
23 05 13 00-0150	EA		5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	5,813.52	
23 05 13 00-0151	EA		7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,843.01	
23 05 13 00-0152	EA		7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,384.91	
23 05 13 00-0153	EA		7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	3,789.10	
23 05 13 00-0154	EA		7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	6,647.85	
23 05 13 00-0155	EA		10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	3,027.19	
23 05 13 00-0156	EA		10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	2,855.60	
23 05 13 00-0157	EA		10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	4,922.52	
23 05 13 00-0158	EA		10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	7,754.51	
23 05 13 00-0159	EA		15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	3,872.53	
23 05 13 00-0160	EA		15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	3,637.98	
23 05 13 00-0161	EA		15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	5,643.51	
23 05 13 00-0162	EA		15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	10,351.94	
23 05 13 00-0163	EA		20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	4,517.95	
23 05 13 00-0164	EA		20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	3,902.44	
23 05 13 00-0165	EA		20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	7,667.93	
23 05 13 00-0166	EA		20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	11,801.78	
23 05 13 00-0167	EA		25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	5,429.42	
23 05 13 00-0168	EA		25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	5,106.70	
23 05 13 00-0169	EA		25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	8,012.68	
23 05 13 00-0170	EA		30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	6,619.51	
23 05 13 00-0171	EA		30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	6,063.82	
23 05 13 00-0172	EA		30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	10,329.90	
23 05 13 00-0173	EA		40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	9,094.15	
23 05 13 00-0174	EA		40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	7,933.97	
23 05 13 00-0175	EA		40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	12,875.38	
23 05 13 00-0176	EA		50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	9,530.21	
23 05 13 00-0177	EA		50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	9,312.97	
23 05 13 00-0178	EA		50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	13,714.43	
23 05 13 00-0179	EA		60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	13,830.92	
23 05 13 00-0180	EA		60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	12,481.83	
23 05 13 00-0181	EA		60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	18,732.98	
23 05 13 00-0182	EA		75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	15,461.79	
23 05 13 00-0183	EA		75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	14,584.96	
23 05 13 00-0184	EA		75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	22,799.14	
23 05 13 00-0185	EA		100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	19,435.07	
23 05 13 00-0186	EA		100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	19,145.42	
23 05 13 00-0187	EA		100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	25,077.01	
23 05 13 00-0188	EA		125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	22,836.92	
23 05 13 00-0189	EA		125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	22,633.85	
23 05 13 00-0190	EA		125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	28,329.30	
23 05 13 00-0191	EA		150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	26,772.42	
23 05 13 00-0192	EA		150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	26,515.82	
23 05 13 00-0193	EA		150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	31,940.52	
23 05 13 00-0194	EA		200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	31,702.81	
23 05 13 00-0195	EA		200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	31,898.01	
23 05 13 00-0196	EA		200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor .....	41,839.09	

**23 05 13 00-0197**

**Premium Efficient, Explosion Proof Motors (23 05 13 00-0001)**

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA		1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	1,678.10	
23 05 13 00-0199	EA		1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	1,737.92	
23 05 13 00-0200	EA		2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	1,895.34	
23 05 13 00-0201	EA		3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	2,342.41	
23 05 13 00-0202	EA		5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	2,597.43	
23 05 13 00-0203	EA		7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor .....	3,579.73	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 13 Common Motor Requirements for HVAC Equipment**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	3,653.72	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	4,946.14	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	5,638.78	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	7,408.19	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	8,314.92	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	10,873.00	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	12,245.70	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	17,130.44	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	20,110.40	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	24,497.70	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	32,019.23	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor.....	36,534.03	

**23 05 13 00-0216 Motor Mounting** (23 05 13)

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting.....	242.36	123.31
23 05 13 00-0218	EA	3/4 HP Motor Mounting.....	279.25	154.14
23 05 13 00-0219	EA	1 HP Motor Mounting.....	298.73	154.14
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting.....	321.14	154.14
23 05 13 00-0221	EA	2 HP Motor Mounting.....	347.18	184.97
23 05 13 00-0222	EA	3 HP Motor Mounting.....	401.42	184.97
23 05 13 00-0223	EA	5 HP Motor Mounting.....	475.75	308.29
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting.....	611.68	308.29
23 05 13 00-0225	EA	10 HP Motor Mounting.....	802.83	539.51
23 05 13 00-0226	EA	15 HP Motor Mounting.....	988.11	539.51
23 05 13 00-0227	EA	20 HP Motor Mounting.....	1,167.76	770.72
23 05 13 00-0228	EA	25 HP Motor Mounting.....	1,324.26	770.72
23 05 13 00-0229	EA	30 HP Motor Mounting.....	1,605.68	770.72
23 05 13 00-0230	EA	40 HP Motor Mounting.....	1,809.21	1,156.08
23 05 13 00-0231	EA	50 HP Motor Mounting.....	2,007.09	1,156.08
23 05 13 00-0232	EA	75 HP Motor Mounting.....	2,423.66	1,695.59
23 05 13 00-0233	EA	100 HP Motor Mounting.....	2,919.41	1,695.59
23 05 13 00-0234	EA	125 HP Motor Mounting.....	3,568.16	2,312.17
23 05 13 00-0235	EA	150 HP Motor Mounting.....	4,143.67	2,312.17
23 05 13 00-0236	EA	200 HP Motor Mounting.....	4,757.55	2,774.60

**23 05 16 Expansion Fittings and Loops for HVAC Piping** (23 05)

**23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints** (23 05 16)

Note: Includes internal sleeves and external covers.

**23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints** (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	320.85	121.81
		<i>For 300 LB Rating, Add</i>	<i>19.27</i>	
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	359.03	137.38
		<i>For 300 LB Rating, Add</i>	<i>21.11</i>	
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	424.97	157.48
		<i>For 300 LB Rating, Add</i>	<i>27.53</i>	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	483.29	175.76
		<i>For 300 LB Rating, Add</i>	<i>33.04</i>	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	524.58	188.91
		<i>For 300 LB Rating, Add</i>	<i>36.69</i>	
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	598.60	222.32
		<i>For 300 LB Rating, Add</i>	<i>38.52</i>	

**23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints** (23 05 16 00-0001)

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	591.56	121.81
		<i>For 300 LB Rating, Add</i>	<i>110.06</i>	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	652.19	146.17
		<i>For 300 LB Rating, Add</i>	<i>117.26</i>	
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	701.13	185.57
		<i>For 300 LB Rating, Add</i>	<i>117.28</i>	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	756.97	201.85
		<i>For 300 LB Rating, Add</i>	<i>125.97</i>	
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	840.67	236.65
		<i>For 300 LB Rating, Add</i>	<i>136.12</i>	
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,084.48	396.75
		<i>For 300 LB Rating, Add</i>	<i>146.83</i>	
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,417.26	433.94
		<i>For 300 LB Rating, Add</i>	<i>218.92</i>	
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,354.79	482.15
		<i>For 300 LB Rating, Add</i>	<i>187.49</i>	
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	1,737.39	616.09
		<i>For 300 LB Rating, Add</i>	<i>243.02</i>	
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,194.94	750.02
		<i>For 300 LB Rating, Add</i>	<i>314.35</i>	
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	2,843.33	568.14
		<i>For 300 LB Rating, Add</i>	<i>426.39</i>	
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	3,574.38	1,071.46
		<i>For 300 LB Rating, Add</i>	<i>558.77</i>	
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint.....	4,511.53	1,178.60
		<i>For 300 LB Rating, Add</i>	<i>759.57</i>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints (23 05 16 00-0001)**  
 Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA		1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	687.58	167.05
			For 300 LB Rating, Add .....	88.40	
23 05 16 00-0025	EA		1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	713.62	168.44
			For 300 LB Rating, Add .....	94.18	
23 05 16 00-0026	EA		2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	725.15	174.01
			For 300 LB Rating, Add .....	94.20	
23 05 16 00-0027	EA		2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	784.63	189.73
			For 300 LB Rating, Add .....	101.18	
23 05 16 00-0028	EA		3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	884.97	223.15
			For 300 LB Rating, Add .....	109.56	
23 05 16 00-0029	EA		4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,359.52	444.35
			For 300 LB Rating, Add .....	117.93	
23 05 16 00-0030	EA		5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,608.28	453.63
			For 300 LB Rating, Add .....	175.83	
23 05 16 00-0031	EA		6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,606.12	502.25
			For 300 LB Rating, Add .....	150.59	
23 05 16 00-0032	EA		8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	1,926.87	573.90
			For 300 LB Rating, Add .....	195.19	
23 05 16 00-0033	EA		10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	2,413.42	703.15
			For 300 LB Rating, Add .....	252.49	
23 05 16 00-0034	EA		12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	3,074.48	852.35
			For 300 LB Rating, Add .....	342.47	
23 05 16 00-0035	EA		14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	3,600.86	867.88
			For 300 LB Rating, Add .....	466.18	
23 05 16 00-0036	EA		16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint .....	4,705.02	1,084.86
			For 300 LB Rating, Add .....	633.71	

**23 05 17 Sleeves and Sleeve Seals for HVAC Piping (23 05)**

**23 05 17 00-0001 Wall Seals And Sleeves (23 05 17)**  
 Note: Up to 12" walls. Excludes drilling hole.

**23 05 17 00-0002 Ductile Iron Wall Sleeve (23 05 17 00-0001)**  
 Note: Includes rubber gasket seal.

23 05 17 00-0003	EA		3" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	186.28	66.47
23 05 17 00-0004	EA		4" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	236.22	77.64
23 05 17 00-0005	EA		6" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	291.29	93.14
23 05 17 00-0006	EA		8" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	402.97	139.64
23 05 17 00-0007	EA		10" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	508.82	186.15
23 05 17 00-0008	EA		12" Ductile Iron Wall Sleeve With Rubber Gasket Seal .....	622.67	232.79

**23 05 17 00-0009 Steel Pipe Sleeves (23 05 17 00-0001)**  
 Note: Includes link seals 12" length.

23 05 17 00-0010	EA		2" Steel Pipe Sleeve With Link Seals .....	184.39	66.88
23 05 17 00-0011	EA		2-1/2" Steel Pipe Sleeve With Link Seals .....	227.46	72.50
23 05 17 00-0012	EA		3" Steel Pipe Sleeve With Link Seals .....	268.21	78.13
23 05 17 00-0013	EA		4" Steel Pipe Sleeve With Link Seals .....	333.06	93.72
23 05 17 00-0014	EA		6" Steel Pipe Sleeve With Link Seals .....	483.37	117.05
23 05 17 00-0015	EA		10" Steel Pipe Sleeve With Link Seals .....	1,167.96	140.52
23 05 17 00-0016	EA		13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	1,416.42	175.65
23 05 17 00-0017	EA		17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	1,941.00	216.12
23 05 17 00-0018	EA		23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	2,753.37	281.03
23 05 17 00-0019	EA		29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals .....	4,050.74	351.29

**23 05 19 Meters and Gages for HVAC Piping (23 05)**

See CSI section 33 19 00 00-0000 for water utility service metering.

**23 05 19 00-0001 Thermometers (23 05 19)**

**23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers (23 05 19 00-0001)**  
 Note: Various ranges.

23 05 19 00-0003	EA		2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	132.86	48.36
23 05 19 00-0004	EA		2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	151.22	48.36
23 05 19 00-0005	EA		3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer .....	151.22	48.36

**23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers (23 05 19 00-0001)**  
 Note: Various ranges.

23 05 19 00-0007	EA		7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	169.58	48.36
23 05 19 00-0008	EA		9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	169.58	48.36
23 05 19 00-0009	EA		12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	207.98	48.36
23 05 19 00-0010	EA		7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	174.59	48.36
23 05 19 00-0011	EA		9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	182.94	48.36
23 05 19 00-0012	EA		12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer .....	212.99	48.36

**23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers (23 05 19 00-0001)**  
 Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA		7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	169.58	48.36
23 05 19 00-0015	EA		9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	169.58	48.36

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0016	EA		12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	207.98	48.36
23 05 19 00-0017	EA		7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	191.29	48.36
23 05 19 00-0018	EA		9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	207.98	48.36
23 05 19 00-0019	EA		12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer .....	212.24	48.36
<b>23 05 19 00-0020</b>			<b>1" NPT, 304 Stainless Steel Thermowells</b> (23 05 19 00-0001)		
23 05 19 00-0021	EA		4" Long, 1" NPT, 304 Stainless Steel Thermowell .....	225.30	90.68
23 05 19 00-0022	EA		8" Long, 1" NPT, 304 Stainless Steel Thermowell .....	225.21	90.68
<b>23 05 19 00-0023</b>			<b>Pressure Gauges</b> (23 05 19)		
<b>23 05 19 00-0024</b>			<b>Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> (23 05 19 00-0023)		
23 05 19 00-0025	EA		2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	48.46	18.89
23 05 19 00-0026	EA		4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	58.31	18.89
<b>23 05 19 00-0027</b>			<b>Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> (23 05 19 00-0023)		
23 05 19 00-0028	EA		3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	326.37	18.89
23 05 19 00-0029	EA		4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	326.37	18.89
23 05 19 00-0030	EA		6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	424.38	18.89
23 05 19 00-0031	EA		8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	1,001.55	18.89
<b>23 05 19 00-0032</b>			<b>Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges</b> (23 05 19 00-0023)		
			Note: Liquid filled.		
23 05 19 00-0033	EA		2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	157.69	18.89
23 05 19 00-0034	EA		4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge .....	349.45	18.89
<b>23 05 19 00-0035</b>			<b>Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges</b> (23 05 19 00-0023)		
23 05 19 00-0036	EA		4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	336.61	18.89
23 05 19 00-0037	EA		6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	336.61	18.89
23 05 19 00-0038	EA		8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge .....	336.61	18.89
<b>23 05 19 00-0039</b>			<b>Gauge Accessories</b> (23 05 19 00-0023)		
23 05 19 00-0040	EA		Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer) .....	104.42	15.12
23 05 19 00-0041	EA		1/4" Snubber Valve .....	67.46	15.12
23 05 19 00-0042	EA		1/4" Female Pipe Thread, Brass Gauge Cock .....	42.98	22.67
23 05 19 00-0043	EA		1/4" Male Pipe Thread, Brass Gauge Cock .....	37.83	22.67
23 05 19 00-0044	EA		1/4" Pressure Pigtail Steam Siphon .....	56.24	22.67
23 05 19 00-0045	EA		1/4" x 3" Long Black Steel Nipple .....	10.72	7.55
23 05 19 00-0046	EA		1/4" Steel Thread-O-Let .....	84.41	37.78
23 05 19 00-0047	EA		1/4", 300 LB, Black Steel Union .....	84.74	15.12
23 05 19 00-0048	EA		1/4" Black Steel Coupling .....	32.25	15.12
23 05 19 00-0049	EA		1/4", 300 LB, Black Steel Plug .....	18.59	9.07
23 05 19 00-0050	EA		1/4", 150 LB, Black Steel Cap .....	19.27	9.07
23 05 19 00-0051	LF		1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe .....	13.03	4.99
23 05 19 00-0052	LF		1/4" Schedule 80, Plain End, Black Steel Pipe .....	13.04	4.99
23 05 19 00-0053	LF		1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe .....	11.19	
23 05 19 00-0054	EA		1/4" Threaded, 800 LB, Forged Steel, Ball Valve .....	126.89	
<b>23 05 19 00-0055</b>			<b>Valve Lock Covers</b> (23 05 19)		
23 05 19 00-0056	EA		Valve Lock Cover .....	97.96	23.12
<b>23 05 19 00-0057</b>			<b>Venturi Flowmeters</b> (23 05 19)		
<b>23 05 19 00-0058</b>			<b>Threaded, Brass, Venturi Flowmeters</b> (23 05 19 00-0057)		
23 05 19 00-0059	EA		3/4" Threaded, Brass, Venturi Flowmeter .....	342.36	102.78
			For Portable Venturi Flow Meter, Add .....	995.00	
23 05 19 00-0060	EA		1" Threaded, Brass, Venturi Flowmeter .....	380.47	123.33
			For Portable Venturi Flow Meter, Add .....	995.00	
23 05 19 00-0061	EA		1-1/4" Threaded, Brass, Venturi Flowmeter .....	419.87	137.08
			For Portable Venturi Flow Meter, Add .....	995.00	
23 05 19 00-0062	EA		1-1/2" Threaded, Brass, Venturi Flowmeter .....	473.15	154.15
			For Portable Venturi Flow Meter, Add .....	995.00	
23 05 19 00-0063	EA		2" Threaded, Brass, Venturi Flowmeter .....	561.52	176.22
			For Portable Venturi Flow Meter, Add .....	995.00	
23 05 19 00-0064	EA		2-1/2" Threaded, Brass, Venturi Flowmeter .....	767.61	239.45
			For Portable Venturi Flow Meter, Add .....	995.00	
<b>23 05 19 00-0065</b>			<b>Butt Weld, Carbon Steel, Venturi Flowmeters</b> (23 05 19 00-0057)		
23 05 19 00-0066	EA		3" Butt Weld, Carbon Steel, Venturi Flowmeter .....	2,722.87	210.77
			For Portable Venturi Flow Meter, Add .....	995.00	
			For Flanged Ends, Add .....	805.46	
23 05 19 00-0067	EA		4" Butt Weld, Carbon Steel, Venturi Flowmeter .....	3,804.41	252.93
			For Portable Venturi Flow Meter, Add .....	995.00	
			For Flanged Ends, Add .....	1,154.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0068	EA		5" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	5,004.82 995.00 1,530.38	316.16
23 05 19 00-0069	EA		6" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	5,906.00 995.00 1,772.02	421.55
23 05 19 00-0070	EA		8" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	8,759.47 995.00 2,711.72	505.86
23 05 19 00-0071	EA		10" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	14,535.56 995.00 4,644.82	632.32
23 05 19 00-0072	EA		12" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	21,869.81 995.00 7,034.36	885.82
23 05 19 00-0073	EA		14" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	30,580.11 995.00 9,772.92	1,328.74
23 05 19 00-0074	EA		16" Butt Weld, Carbon Steel, Venturi Flowmeter <i>For Portable Venturi Flow Meter, Add For Flanged Ends, Add</i>	46,294.21 995.00 15,169.51	1,476.38
<b>23 05 19 00-0075</b>			<b>Turbine Flowmeter (23 05 19)</b>		
23 05 19 00-0076	EA		Saddle Mount Turbine Flowmeter	1,966.28	113.35
<b>23 05 19 00-0077</b>			<b>Sight Flow Indicator (23 05 19)</b>		
<b>23 05 19 00-0078</b>			<b>Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)</b>		
23 05 19 00-0079	EA		1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	185.57	22.07
23 05 19 00-0080	EA		3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	193.87	23.24
23 05 19 00-0081	EA		1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	209.50	24.41
23 05 19 00-0082	EA		3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	236.10	32.91
23 05 19 00-0083	EA		1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	282.34	39.88
23 05 19 00-0084	EA		1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	321.60	50.50
23 05 19 00-0085	EA		1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	452.19	58.38
23 05 19 00-0086	EA		2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	502.16	68.99
<b>23 05 19 00-0087</b>			<b>Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (23 05 19 00-0077)</b>		
23 05 19 00-0088	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	239.50	22.07
23 05 19 00-0089	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	246.60	23.24
23 05 19 00-0090	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	265.82	24.41
23 05 19 00-0091	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	284.04	32.91
23 05 19 00-0092	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	302.71	39.88
23 05 19 00-0093	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	329.98	50.50
23 05 19 00-0094	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	615.17	58.38
23 05 19 00-0095	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	660.35	68.99
<b>23 05 19 00-0096</b>			<b>Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (23 05 19 00-0077)</b>		
23 05 19 00-0097	EA		1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	343.76	22.07
23 05 19 00-0098	EA		3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	362.85	23.24
23 05 19 00-0099	EA		1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	394.05	24.41
23 05 19 00-0100	EA		3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	430.24	32.91
23 05 19 00-0101	EA		1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	494.46	39.88
23 05 19 00-0102	EA		1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	525.32	50.50
23 05 19 00-0103	EA		1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,046.60	58.38
23 05 19 00-0104	EA		2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	1,103.76	68.99

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 19 Meters and Gages for HVAC Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 19 00-0105		Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>			
23 05 19 00-0106	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	235.90		22.07
23 05 19 00-0107	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	245.40		23.24
23 05 19 00-0108	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	259.83		24.41
23 05 19 00-0109	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	282.84		32.91
23 05 19 00-0110	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	301.51		39.88
23 05 19 00-0111	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	329.98		50.50
23 05 19 00-0112	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	607.98		58.38
23 05 19 00-0113	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	650.77		68.99
23 05 19 00-0114		Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>			
23 05 19 00-0115	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	341.36		22.07
23 05 19 00-0116	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	367.64		23.24
23 05 19 00-0117	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	401.24		24.41
23 05 19 00-0118	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	430.24		32.91
23 05 19 00-0119	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	494.46		39.88
23 05 19 00-0120	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	530.12		50.50
23 05 19 00-0121	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,046.60		58.38
23 05 19 00-0122	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	1,103.76		68.99
23 05 19 00-0123		Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>			
23 05 19 00-0124	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	504.04		39.88
23 05 19 00-0125	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	568.47		50.50
23 05 19 00-0126	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	646.33		58.38
23 05 19 00-0127	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	727.46		68.99
23 05 19 00-0128		Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>			
23 05 19 00-0129	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,113.30		159.22
23 05 19 00-0130	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,247.99		202.13
23 05 19 00-0131	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,826.88		237.40
23 05 19 00-0132	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,764.31		397.99
23 05 19 00-0133	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	4,450.48		486.43
23 05 19 00-0134		Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators <small>(23 05 19 00-0077)</small>			
23 05 19 00-0135	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	852.50		113.72
23 05 19 00-0136	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,006.10		132.68
23 05 19 00-0137	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,088.73		159.22
23 05 19 00-0138	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,364.84		202.13
23 05 19 00-0139	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,970.09		237.40
23 05 19 00-0140	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	2,919.50		397.99
23 05 19 00-0141		Water Flow Switches <small>(23 05 19)</small>			
23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	323.29		44.54
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	334.25		44.54
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	426.82		44.54
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	440.83		44.54
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	348.27		44.54
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	361.05		44.54
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	451.79		44.54
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	464.57		44.54
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	876.19		44.54
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	888.58		44.54
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	1,006.24		44.54
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	1,023.27		44.54
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	905.61		44.54
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	922.64		44.54
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	1,035.66		44.54
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	1,054.24		44.54

**23 05 23 General-Duty Valves For HVAC Piping (23 05)**

Note: Flanged valves exclude bolt and gasket sets. See CSI section 22 05 23 00-0000 for additional valves, 23 21 13 23-0713 for bolt and gasket sets.

23 05 23 00-0001	Gate Valves <small>(23 05 23)</small>		
23 05 23 00-0002	Class 125 Threaded, Bronze Gate Valves <small>(23 05 23 00-0001)</small>		
	Note: 125 psi steam, basic rating. 200 psi cold working pressure.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0003	EA		1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	76.14	15.16
			For 150 LB Rating, Add	3.20	
			For 200 LB Rating, Add	4.80	
			For 250 LB Rating, Add	8.00	
			For 300 LB Rating, Add	11.19	
			For Work In Restricted Working Space, Add	13.25	
23 05 23 00-0004	EA		3/8" Diameter, 125 LB, Threaded Bronze Gate Valve .....	78.45	15.16
			For 150 LB Rating, Add	3.20	
			For 200 LB Rating, Add	4.80	
			For 250 LB Rating, Add	8.00	
			For 300 LB Rating, Add	11.19	
			For Work In Restricted Working Space, Add	13.94	
23 05 23 00-0005	EA		1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	80.89	15.16
			For 150 LB Rating, Add	3.20	
			For 200 LB Rating, Add	4.80	
			For 250 LB Rating, Add	8.00	
			For 300 LB Rating, Add	11.19	
			For Work In Restricted Working Space, Add	14.67	
23 05 23 00-0006	EA		3/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	104.09	16.68
			For 150 LB Rating, Add	3.82	
			For 200 LB Rating, Add	5.72	
			For 250 LB Rating, Add	9.54	
			For 300 LB Rating, Add	13.36	
			For Work In Restricted Working Space, Add	19.78	
23 05 23 00-0007	EA		1" Diameter, 125 LB, Threaded Bronze Gate Valve .....	137.46	18.96
			For 150 LB Rating, Add	5.77	
			For 200 LB Rating, Add	8.65	
			For 250 LB Rating, Add	14.41	
			For 300 LB Rating, Add	20.18	
			For Work In Restricted Working Space, Add	23.94	
23 05 23 00-0008	EA		1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	178.82	20.17
			For 150 LB Rating, Add	7.77	
			For 200 LB Rating, Add	11.66	
			For 250 LB Rating, Add	19.43	
			For 300 LB Rating, Add	27.21	
			For Work In Restricted Working Space, Add	30.33	
23 05 23 00-0009	EA		1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	214.59	23.35
			For 150 LB Rating, Add	9.80	
			For 200 LB Rating, Add	14.69	
			For 250 LB Rating, Add	24.49	
			For 300 LB Rating, Add	34.28	
			For Work In Restricted Working Space, Add	34.99	
23 05 23 00-0010	EA		2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	271.68	27.60
			For 150 LB Rating, Add	13.38	
			For 200 LB Rating, Add	20.07	
			For 250 LB Rating, Add	33.46	
			For 300 LB Rating, Add	46.84	
			For Work In Restricted Working Space, Add	41.36	
23 05 23 00-0011	EA		2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve .....	567.87	37.28
			For Chain Operated Type, Add	171.76	
			For 150 LB Rating, Add	38.17	
			For 200 LB Rating, Add	57.25	
			For 250 LB Rating, Add	95.42	
			For 300 LB Rating, Add	133.59	
			For Work In Restricted Working Space, Add	55.86	
23 05 23 00-0012	EA		3" Diameter, 125 LB, Threaded Bronze Gate Valve .....	671.09	43.29
			For Chain Operated Type, Add	205.31	
			For 150 LB Rating, Add	45.63	
			For 200 LB Rating, Add	68.44	
			For 250 LB Rating, Add	114.06	
			For 300 LB Rating, Add	159.69	
			For Work In Restricted Working Space, Add	64.45	
23 05 23 00-0013	EA		4" Diameter, 125 LB, Threaded Bronze Gate Valve .....	1,331.29	48.88
			For Chain Operated Type, Add	489.11	
			For 150 LB Rating, Add	108.69	
			For 200 LB Rating, Add	163.04	
			For 250 LB Rating, Add	271.73	
			For 300 LB Rating, Add	380.42	
			For Work In Restricted Working Space, Add	73.31	
23 05 23 00-0014			<b>Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>		
			Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0015	EA		1-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	305.55	23.35
			For 150 LB Rating, Add	37.78	
			For 250 LB Rating, Add	66.12	
			For Chain Operated Type, Add	66.12	
			For Work In Restricted Working Space, Add	34.99	
23 05 23 00-0016	EA		2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	457.07	27.60
			For 150 LB Rating, Add	63.84	
			For 250 LB Rating, Add	111.73	
			For Chain Operated Type, Add	111.73	
			For Work In Restricted Working Space, Add	41.36	
23 05 23 00-0017	EA		2-1/2" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	666.29	37.28
			For 150 LB Rating, Add	96.02	
			For 250 LB Rating, Add	168.04	
			For Chain Operated Type, Add	168.04	
			For Work In Restricted Working Space, Add	55.86	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0018	EA		3" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	844.76	43.29
			For 150 LB Rating, Add	125.98	
			For 250 LB Rating, Add	220.47	
			For Chain Operated Type, Add	220.47	
			For Work In Restricted Working Space, Add	64.45	
23 05 23 00-0019	EA		4" Diameter, Class 125 Non-Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,940.06	48.88
			For 150 LB Rating, Add	339.14	
			For 250 LB Rating, Add	593.49	
			For Chain Operated Type, Add	593.49	
			For Work In Restricted Working Space, Add	73.31	
<b>23 05 23 00-0020 Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b>					
<i>(23 05 23 00-0001)</i>					
Note: 125 psi steam, basic rating, 200 psi cold working pressure.					
23 05 23 00-0021	EA		1-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	655.68	159.22
			For 150 LB Rating, Add	132.29	
			For 250 LB Rating, Add	228.08	
			For 300 LB Rating, ASTM A182, Add	555.92	
			For Chain Operated Type, Add	228.08	
			For Work In Restricted Working Space, Add	59.86	
23 05 23 00-0022	EA		2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	729.80	202.13
			For 150 LB Rating, Add	138.35	
			For 250 LB Rating, Add	238.54	
			For 300 LB Rating, ASTM A182, Add	603.44	
			For Chain Operated Type, Add	238.54	
			For Work In Restricted Working Space, Add	75.82	
23 05 23 00-0023	EA		2-1/2" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	826.30	202.49
			For 150 LB Rating, Add	166.00	
			For 250 LB Rating, Add	286.20	
			For 300 LB Rating, ASTM A182, Add	699.35	
			For Chain Operated Type, Add	286.20	
			For Work In Restricted Working Space, Add	76.17	
23 05 23 00-0024	EA		3" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,012.58	237.40
			For 150 LB Rating, Add	207.48	
			For 250 LB Rating, Add	357.73	
			For 300 LB Rating, ASTM A182, Add	864.02	
			For Chain Operated Type, Add	357.73	
			For Work In Restricted Working Space, Add	89.14	
23 05 23 00-0025	EA		4" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,452.73	397.99
			For 150 LB Rating, Add	276.66	
			For 250 LB Rating, Add	477.00	
			For 300 LB Rating, ASTM A182, Add	1,203.37	
			For Chain Operated Type, Add	477.00	
			For Work In Restricted Working Space, Add	149.62	
23 05 23 00-0026	EA		5" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,786.48	437.78
			For 150 LB Rating, Add	359.63	
			For 250 LB Rating, Add	620.05	
			For 300 LB Rating, ASTM A182, Add	1,513.29	
			For Chain Operated Type, Add	620.05	
			For Work In Restricted Working Space, Add	163.92	
23 05 23 00-0027	EA		6" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	2,136.31	486.43
			For 150 LB Rating, Add	442.57	
			For 250 LB Rating, Add	763.05	
			For 300 LB Rating, ASTM A182, Add	1,831.21	
			For Chain Operated Type, Add	763.05	
			For Work In Restricted Working Space, Add	183.06	
23 05 23 00-0028	EA		8" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	3,300.09	621.54
			For 150 LB Rating, Add	733.12	
			For 250 LB Rating, Add	1,264.00	
			For 300 LB Rating, ASTM A182, Add	2,914.04	
			For Chain Operated Type, Add	1,264.00	
			For Work In Restricted Working Space, Add	231.63	
23 05 23 00-0029	EA		10" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	4,284.44	756.66
			For 150 LB Rating, Add	968.20	
			For 250 LB Rating, Add	1,669.31	
			For 300 LB Rating, ASTM A182, Add	3,811.53	
			For Chain Operated Type, Add	1,669.31	
			For Work In Restricted Working Space, Add	283.75	
23 05 23 00-0030	EA		12" Diameter, Class 125 Non-Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve.....	5,916.17	918.80
			For 150 LB Rating, Add	1,383.22	
			For 250 LB Rating, Add	2,384.86	
			For 300 LB Rating, ASTM A182, Add	5,342.94	
			For Chain Operated Type, Add	2,384.86	
			For Work In Restricted Working Space, Add	343.94	
<b>23 05 23 00-0031 Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves</b>					
<i>(23 05 23 00-0001)</i>					
Note: 125 psi steam, basic rating, 200 psi cold working pressure.					
23 05 23 00-0032	EA		1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	579.72	23.35
			For 175 LB Rating, Add	231.54	
			For 250 LB Rating, Add	347.31	
			For Work In Restricted Working Space, Add	34.99	
23 05 23 00-0033	EA		2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve.....	736.49	27.60
			For 175 LB Rating, Add	299.32	
			For 250 LB Rating, Add	448.98	
			For Work In Restricted Working Space, Add	41.36	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 23 00-0034	EA	2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	861.23		37.28
		For 175 LB Rating, Add	337.52		
		For 250 LB Rating, Add	506.28		
		For Work In Restricted Working Space, Add	55.86		
23 05 23 00-0035	EA	3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	959.68		43.29
		For 175 LB Rating, Add	372.42		
		For 250 LB Rating, Add	558.63		
		For Work In Restricted Working Space, Add	64.45		
23 05 23 00-0036	EA	4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve .....	1,272.90		48.88
		For 175 LB Rating, Add	514.26		
		For 250 LB Rating, Add	771.39		
		For Work In Restricted Working Space, Add	73.31		
23 05 23 00-0037		<b>Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves</b> <small>(23 05 23 00-0001)</small>			
		Note: 125 psi steam, basic rating, 200 psi cold working pressure for up to 12". 100 psi steam, basic rating, 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating, 150 psi cold working pressure for >24".			
23 05 23 00-0038	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	857.11		159.22
		For 150 LB Rating, Add	98.64		
		For 175 LB Rating, Add	203.85		
		For 250 LB Rating, Add	427.43		
		For Chain Operated Type, Add	328.80		
		For Work In Restricted Working Space, Add	59.86		
23 05 23 00-0039	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	929.85		202.13
		For 150 LB Rating, Add	101.57		
		For 175 LB Rating, Add	209.91		
		For 250 LB Rating, Add	440.13		
		For Chain Operated Type, Add	338.57		
		For Work In Restricted Working Space, Add	75.82		
23 05 23 00-0040	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	953.13		202.49
		For 150 LB Rating, Add	104.88		
		For 175 LB Rating, Add	216.76		
		For 250 LB Rating, Add	454.50		
		For Chain Operated Type, Add	349.62		
		For Work In Restricted Working Space, Add	76.17		
23 05 23 00-0041	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,066.46		237.40
		For 150 LB Rating, Add	115.40		
		For 175 LB Rating, Add	238.50		
		For 250 LB Rating, Add	500.07		
		For Chain Operated Type, Add	384.67		
		For Work In Restricted Working Space, Add	89.14		
23 05 23 00-0042	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,431.74		397.99
		For 150 LB Rating, Add	139.95		
		For 175 LB Rating, Add	289.23		
		For 250 LB Rating, Add	606.46		
		For Chain Operated Type, Add	466.51		
		For Work In Restricted Working Space, Add	149.62		
23 05 23 00-0043	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	1,848.14		437.78
		For 150 LB Rating, Add	195.26		
		For 175 LB Rating, Add	403.54		
		For 250 LB Rating, Add	846.14		
		For Chain Operated Type, Add	650.88		
		For Work In Restricted Working Space, Add	163.92		
23 05 23 00-0044	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	2,096.86		486.43
		For 150 LB Rating, Add	223.00		
		For 175 LB Rating, Add	460.86		
		For 250 LB Rating, Add	966.32		
		For Chain Operated Type, Add	743.33		
		For Work In Restricted Working Space, Add	183.06		
23 05 23 00-0045	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	3,286.43		621.54
		For 150 LB Rating, Add	377.15		
		For 175 LB Rating, Add	779.44		
		For 250 LB Rating, Add	1,634.31		
		For Chain Operated Type, Add	1,257.17		
		For Work In Restricted Working Space, Add	231.63		
23 05 23 00-0046	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	4,815.36		756.66
		For 150 LB Rating, Add	580.43		
		For 175 LB Rating, Add	1,199.56		
		For 250 LB Rating, Add	2,515.20		
		For Chain Operated Type, Add	1,934.77		
		For Work In Restricted Working Space, Add	283.75		
23 05 23 00-0047	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	6,030.78		918.80
		For 150 LB Rating, Add	735.65		
		For 175 LB Rating, Add	1,520.34		
		For 250 LB Rating, Add	3,187.81		
		For Chain Operated Type, Add	2,452.16		
		For Work In Restricted Working Space, Add	343.94		
23 05 23 00-0048	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	12,038.54		1,264.09
		For 150 LB Rating, Add	1,568.76		
		For 175 LB Rating, Add	3,242.11		
		For 250 LB Rating, Add	6,797.98		
		For Work In Restricted Working Space, Add	474.03		
23 05 23 00-0049	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	15,648.88		1,390.50
		For 150 LB Rating, Add	2,086.61		
		For 175 LB Rating, Add	4,312.34		
		For 250 LB Rating, Add	9,041.99		
		For Work In Restricted Working Space, Add	521.44		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 23 00-0050	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	21,403.05	1,542.19
		<i>For 150 LB Rating, Add</i>	2,921.30	
		<i>For 175 LB Rating, Add</i>	6,037.35	
		<i>For 250 LB Rating, Add</i>	12,658.95	
		<i>For Work In Restricted Working Space, Add</i>	578.32	
23 05 23 00-0051	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	27,208.50	1,738.12
		<i>For 150 LB Rating, Add</i>	3,755.38	
		<i>For 175 LB Rating, Add</i>	7,761.11	
		<i>For 250 LB Rating, Add</i>	16,273.30	
		<i>For Work In Restricted Working Space, Add</i>	651.80	
23 05 23 00-0052	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	37,203.94	2,133.15
		<i>For 150 LB Rating, Add</i>	5,180.63	
		<i>For 175 LB Rating, Add</i>	10,706.63	
		<i>For 250 LB Rating, Add</i>	22,449.38	
		<i>For Work In Restricted Working Space, Add</i>	799.93	
23 05 23 00-0053	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	77,737.49	3,476.24
		<i>For 150 LB Rating, Add</i>	11,008.83	
		<i>For 175 LB Rating, Add</i>	22,751.58	
		<i>For 250 LB Rating, Add</i>	47,704.92	
		<i>For Work In Restricted Working Space, Add</i>	1,303.59	
23 05 23 00-0054	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve .....	99,044.98	4,634.99
		<i>For 150 LB Rating, Add</i>	13,987.69	
		<i>For 175 LB Rating, Add</i>	28,907.89	
		<i>For 250 LB Rating, Add</i>	60,613.31	
		<i>For Work In Restricted Working Space, Add</i>	1,738.12	
<b>23 05 23 00-0055 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves</b> <small>(23 05 23 00-0001)</small>				
Note: 800 psig at 850 degrees F.				
23 05 23 00-0056	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	176.87	15.16
		<i>For Work In Restricted Working Space, Add</i>	13.25	
23 05 23 00-0057	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	181.62	15.16
		<i>For Work In Restricted Working Space, Add</i>	14.67	
23 05 23 00-0058	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	216.45	16.68
		<i>For Work In Restricted Working Space, Add</i>	19.78	
23 05 23 00-0059	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	262.70	18.96
		<i>For Work In Restricted Working Space, Add</i>	23.94	
23 05 23 00-0060	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	396.17	20.17
		<i>For Work In Restricted Working Space, Add</i>	30.33	
23 05 23 00-0061	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	467.85	23.35
		<i>For Work In Restricted Working Space, Add</i>	34.99	
23 05 23 00-0062	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve.....	586.16	27.60
		<i>For Work In Restricted Working Space, Add</i>	41.36	
<b>23 05 23 00-0063 Ball Valves</b> <small>(23 05 23)</small>				
<b>23 05 23 00-0064 Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves</b> <small>(23 05 23 00-0063)</small>				
Note: 125 LB WSP.				
23 05 23 00-0065	EA	1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	63.25	15.16
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	6.45	
		<i>For Work In Restricted Working Space, Add</i>	14.67	
23 05 23 00-0066	EA	3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve .....	87.99	16.68
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	9.93	
		<i>For Work In Restricted Working Space, Add</i>	19.78	
23 05 23 00-0067	EA	1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	109.59	18.96
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	13.40	
		<i>For Work In Restricted Working Space, Add</i>	23.94	
23 05 23 00-0068	EA	1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	151.09	20.17
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	22.50	
		<i>For Work In Restricted Working Space, Add</i>	30.33	
23 05 23 00-0069	EA	1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	180.50	23.35
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	28.74	
		<i>For Work In Restricted Working Space, Add</i>	34.99	
23 05 23 00-0070	EA	2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	217.84	27.60
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	36.00	
		<i>For Work In Restricted Working Space, Add</i>	41.36	
23 05 23 00-0071	EA	2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	563.68	37.28
		<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
		<i>For Full Port, Add</i>	169.87	
		<i>For Work In Restricted Working Space, Add</i>	55.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0072	EA		3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	650.39	43.29
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	196.00	
			<i>For Work In Restricted Working Space, Add</i>	64.45	
23 05 23 00-0073	EA		4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve.....	838.19	48.88
			<i>For Extension Stems And Sleeves On Insulated Pipe, Add</i>	2.63	
			<i>For Full Port, Add</i>	267.21	
			<i>For Work In Restricted Working Space, Add</i>	73.31	
<b>23 05 23 00-0074</b>			<b>Screwed, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0063)</b>		
23 05 23 00-0075	EA		1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	71.61	15.16
			<i>For Work In Restricted Working Space, Add</i>	13.25	
23 05 23 00-0076	EA		1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	78.71	15.16
			<i>For Work In Restricted Working Space, Add</i>	14.67	
23 05 23 00-0077	EA		3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	109.03	16.68
			<i>For Work In Restricted Working Space, Add</i>	19.78	
23 05 23 00-0078	EA		1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	137.76	18.96
			<i>For Work In Restricted Working Space, Add</i>	23.94	
23 05 23 00-0079	EA		1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	200.14	20.17
			<i>For Work In Restricted Working Space, Add</i>	30.33	
23 05 23 00-0080	EA		1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	242.12	23.35
			<i>For Work In Restricted Working Space, Add</i>	34.99	
23 05 23 00-0081	EA		2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve.....	310.62	27.60
			<i>For Work In Restricted Working Space, Add</i>	41.36	
<b>23 05 23 00-0082</b>			<b>Flanged, 150 LB, Full Port, Carbon Steel Ball Valves (23 05 23 00-0063)</b>		
23 05 23 00-0083	EA		1-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	542.02	159.22
			<i>For 150 LB Rating, Add</i>	99.33	
			<i>For 250 LB Rating, Add</i>	171.25	
			<i>For 300 LB Rating, ASTM A182, Add</i>	442.26	
			<i>For Chain Operated Type, Add</i>	171.25	
			<i>For Work In Restricted Working Space, Add</i>	59.86	
			<i>For Work In Restricted Working Space, Add</i>	59.86	
23 05 23 00-0084	EA		2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	677.62	202.13
			<i>For 150 LB Rating, Add</i>	123.22	
			<i>For 250 LB Rating, Add</i>	212.45	
			<i>For 300 LB Rating, ASTM A182, Add</i>	551.26	
			<i>For Chain Operated Type, Add</i>	212.45	
			<i>For Work In Restricted Working Space, Add</i>	75.82	
			<i>For Work In Restricted Working Space, Add</i>	75.82	
23 05 23 00-0085	EA		2-1/2" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	1,030.08	202.49
			<i>For 150 LB Rating, Add</i>	225.09	
			<i>For 250 LB Rating, Add</i>	388.09	
			<i>For 300 LB Rating, ASTM A182, Add</i>	903.13	
			<i>For Chain Operated Type, Add</i>	388.09	
			<i>For Work In Restricted Working Space, Add</i>	76.17	
			<i>For Work In Restricted Working Space, Add</i>	76.17	
23 05 23 00-0086	EA		3" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	1,136.33	237.40
			<i>For 150 LB Rating, Add</i>	243.37	
			<i>For 250 LB Rating, Add</i>	419.61	
			<i>For 300 LB Rating, ASTM A182, Add</i>	987.77	
			<i>For Chain Operated Type, Add</i>	419.61	
			<i>For Work In Restricted Working Space, Add</i>	89.14	
			<i>For Work In Restricted Working Space, Add</i>	89.14	
23 05 23 00-0087	EA		4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	1,677.48	397.99
			<i>For Work In Restricted Working Space, Add</i>	149.62	
23 05 23 00-0088	EA		6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	3,806.21	486.43
			<i>For Work In Restricted Working Space, Add</i>	183.06	
23 05 23 00-0089	EA		8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve.....	6,442.72	621.54
			<i>For Work In Restricted Working Space, Add</i>	231.63	
<b>23 05 23 00-0090</b>			<b>Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves (23 05 23 00-0063)</b>		
23 05 23 00-0091	EA		1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	60.30	15.16
			<i>For True Union Socket Or Thread Type, Add</i>	7.12	
			<i>For Work In Restricted Working Space, Add</i>	14.67	
23 05 23 00-0092	EA		3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	79.04	16.68
			<i>For True Union Socket Or Thread Type, Add</i>	8.71	
			<i>For Work In Restricted Working Space, Add</i>	19.78	
23 05 23 00-0093	EA		1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	98.07	18.96
			<i>For True Union Socket Or Thread Type, Add</i>	11.49	
			<i>For Work In Restricted Working Space, Add</i>	23.94	
23 05 23 00-0094	EA		1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	125.07	20.17
			<i>For True Union Socket Or Thread Type, Add</i>	14.90	
			<i>For Work In Restricted Working Space, Add</i>	30.33	
23 05 23 00-0095	EA		1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	158.37	23.35
			<i>For True Union Socket Or Thread Type, Add</i>	22.82	
			<i>For Work In Restricted Working Space, Add</i>	34.99	
23 05 23 00-0096	EA		2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	191.03	27.60
			<i>For True Union Socket Or Thread Type, Add</i>	28.51	
			<i>For Work In Restricted Working Space, Add</i>	41.36	
23 05 23 00-0097	EA		2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	300.61	37.28
			<i>For True Union Socket Or Thread Type, Add</i>	55.54	
			<i>For Work In Restricted Working Space, Add</i>	55.86	
23 05 23 00-0098	EA		3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve.....	409.40	43.29
			<i>For True Union Socket Or Thread Type, Add</i>	89.10	
			<i>For Work In Restricted Working Space, Add</i>	64.45	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0099	EA		4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve..... <i>For True Union Socket Or Thread Type, Add</i> <i>For Work In Restricted Working Space, Add</i>	616.38 161.63 73.31	48.88
<b>23 05 23 00-0100</b>			<b>Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves</b> <small>(23 05 23 00-0063)</small>		
23 05 23 00-0101	EA		1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.38 19.41 19.87	22.75
23 05 23 00-0102	EA		3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	112.87 19.41 20.92	22.75
23 05 23 00-0103	EA		1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.52 19.41 22.01	22.75
23 05 23 00-0104	EA		3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	144.63 20.58 29.67	25.02
23 05 23 00-0105	EA		1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	187.48 30.49 35.92	28.43
23 05 23 00-0106	EA		1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	244.38 41.73 45.49	30.25
23 05 23 00-0107	EA		1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	298.27 55.49 52.49	35.02
23 05 23 00-0108	EA		2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	407.44 90.30 62.03	41.39
23 05 23 00-0109	EA		2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	766.27 219.14 83.79	55.93
23 05 23 00-0110	EA		3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve..... <i>For Full Port, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,095.56 347.98 96.68	64.93
<b>23 05 23 00-0111</b>			<b>Three Piece Ball Valves</b> <small>(23 05 23 00-0063)</small>		
<b>23 05 23 00-0112</b>			<b>Threaded Or Sweated, Bronze Body, Three Piece Ball Valves</b> <small>(23 05 23 00-0111)</small>		
23 05 23 00-0113	EA		1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	111.63 13.25	15.16
23 05 23 00-0114	EA		3/8" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	113.94 13.94	15.16
23 05 23 00-0115	EA		1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	127.11 14.67	15.16
23 05 23 00-0116	EA		3/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	161.90 19.78	16.68
23 05 23 00-0117	EA		1" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	205.86 23.94	18.96
23 05 23 00-0118	EA		1-1/4" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	282.27 30.33	20.17
23 05 23 00-0119	EA		1-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	351.20 34.99	23.35
23 05 23 00-0120	EA		2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	562.84 41.36	27.60
23 05 23 00-0121	EA		2-1/2" Threaded Or Sweated, Bronze Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	1,190.26 60.64	39.58
<b>23 05 23 00-0122</b>			<b>Threaded, Carbon Steel Body, Three Piece Ball Valves</b> <small>(23 05 23 00-0111)</small>		
23 05 23 00-0123	EA		1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	127.91 13.25	15.16
23 05 23 00-0124	EA		3/8" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	139.65 13.94	15.16
23 05 23 00-0125	EA		1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	148.11 14.67	15.16
23 05 23 00-0126	EA		3/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	233.66 19.78	16.68
23 05 23 00-0127	EA		1" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	297.55 23.94	18.96
23 05 23 00-0128	EA		1-1/4" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	446.18 30.33	20.17
23 05 23 00-0129	EA		1-1/2" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	565.07 34.99	23.35
23 05 23 00-0130	EA		2" Threaded, Carbon Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	731.80 41.36	27.60
<b>23 05 23 00-0131</b>			<b>Threaded, Stainless Steel Body, Three Piece Ball Valves</b> <small>(23 05 23 00-0111)</small>		
23 05 23 00-0132	EA		1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	314.96 13.25	15.16
23 05 23 00-0133	EA		3/8" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	337.44 13.94	15.16
23 05 23 00-0134	EA		1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve..... <i>For Work In Restricted Working Space, Add</i>	355.66 14.67	15.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0135	EA		3/4" Threaded, Stainless Steel Body, Three Piece Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	514.94 19.78	16.68
23 05 23 00-0136	EA		1" Threaded, Stainless Steel Body, Three Piece Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	627.66 23.94	18.96
23 05 23 00-0137	EA		1-1/4" Threaded, Stainless Steel Body, Three Piece Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	734.70 30.33	20.17
23 05 23 00-0138	EA		1-1/2" Threaded, Stainless Steel Body, Three Piece Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	979.90 34.99	23.35
23 05 23 00-0139	EA		2" Threaded, Stainless Steel Body, Three Piece Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	1,272.39 41.36	27.60
23 05 23 00-0140	EA		3" Threaded, Stainless Steel Body, Three Piece Ball Valve ..... <i>For Work In Restricted Working Space, Add</i>	3,318.38 69.99	47.01
<b>23 05 23 00-0141 Globe Valves (23 05 23)</b>					
<b>23 05 23 00-0142 Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves (23 05 23 00-0141)</b>					
23 05 23 00-0143	EA		1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	85.32 11.29 13.84 16.38 20.03 14.67	15.16
23 05 23 00-0144	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	80.57 11.29 13.84 16.38 20.03 13.25	15.16
23 05 23 00-0145	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.82 16.85 20.65 24.46 29.89 13.94	15.16
23 05 23 00-0146	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	103.26 16.85 20.65 24.46 29.89 79.35 14.67	15.16
23 05 23 00-0147	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	124.84 18.26 22.39 26.51 32.40 91.17 19.78	15.92
23 05 23 00-0148	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.43 24.68 30.26 35.83 43.79 119.51 23.94	15.92
23 05 23 00-0149	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	238.60 42.63 52.25 61.88 75.63 191.70 30.33	20.17
23 05 23 00-0150	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	313.17 60.92 74.68 88.44 108.09 262.84 34.99	23.35
23 05 23 00-0151	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add</i> <i>For Work In Restricted Working Space, Add</i>	368.89 71.62 87.80 103.97 127.07 309.28 41.36	27.60
23 05 23 00-0152	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	419.12 72.21 88.51 104.82 128.11 55.86	37.28
23 05 23 00-0153	EA		3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB ..... <i>For 150 LB Rating, Add</i> <i>For 200 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	736.71 161.78 198.31 234.84 287.03 64.45	43.29

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 05 23 00-0154	<b>Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves</b> (23 05 23 00-0141)		
23 05 23 00-0155	EA 2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....543.77	543.77	27.60
	For 150 LB Rating, Add	125.84	
	For 200 LB Rating, Add	154.25	
	For 250 LB Rating, Add	182.66	
	For 300 LB Rating, Add	223.26	
	For Chain Operated Type, Add	338.94	
	For Work In Restricted Working Space, Add	41.36	
23 05 23 00-0156	EA 2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....678.21	678.21	37.28
	For 150 LB Rating, Add	152.53	
	For 200 LB Rating, Add	186.97	
	For 250 LB Rating, Add	221.41	
	For 300 LB Rating, Add	270.61	
	For Chain Operated Type, Add	410.84	
	For Work In Restricted Working Space, Add	55.86	
23 05 23 00-0157	EA 3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....805.26	805.26	43.29
	For 150 LB Rating, Add	183.03	
	For 200 LB Rating, Add	224.36	
	For 250 LB Rating, Add	265.69	
	For 300 LB Rating, Add	324.73	
	For Chain Operated Type, Add	493.00	
	For Work In Restricted Working Space, Add	64.45	
23 05 23 00-0158	EA 4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....1,031.54	1,031.54	48.88
	For 150 LB Rating, Add	244.04	
	For 200 LB Rating, Add	299.15	
	For 250 LB Rating, Add	354.25	
	For 300 LB Rating, Add	432.98	
	For Chain Operated Type, Add	657.34	
	For Work In Restricted Working Space, Add	73.29	
23 05 23 00-0159	<b>Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves</b> (23 05 23 00-0141)		
23 05 23 00-0160	EA 2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....643.52	643.52	202.13
	For 150 LB Rating, Add	121.15	
	For 250 LB Rating, Add	175.86	
	For Chain Operated Type, Add	195.40	
	For Work In Restricted Working Space, Add	75.82	
23 05 23 00-0161	EA 2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....730.31	730.31	202.49
	For 150 LB Rating, Add	147.69	
	For 250 LB Rating, Add	214.38	
	For Chain Operated Type, Add	238.21	
	For Work In Restricted Working Space, Add	76.17	
23 05 23 00-0162	EA 3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....868.81	868.81	237.40
	For 150 LB Rating, Add	177.22	
	For 250 LB Rating, Add	257.26	
	For Chain Operated Type, Add	285.85	
	For Work In Restricted Working Space, Add	89.14	
23 05 23 00-0163	EA 4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....1,260.98	1,260.98	397.99
	For 150 LB Rating, Add	236.30	
	For 250 LB Rating, Add	343.01	
	For Chain Operated Type, Add	381.13	
	For Work In Restricted Working Space, Add	149.62	
23 05 23 00-0164	EA 5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....1,606.40	1,606.40	437.78
	For 150 LB Rating, Add	328.60	
	For 250 LB Rating, Add	477.00	
	For Chain Operated Type, Add	530.01	
	For Work In Restricted Working Space, Add	163.92	
23 05 23 00-0165	EA 6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....1,950.11	1,950.11	486.43
	For 150 LB Rating, Add	415.37	
	For 250 LB Rating, Add	602.96	
	For Chain Operated Type, Add	669.95	
	For Work In Restricted Working Space, Add	183.06	
23 05 23 00-0166	EA 8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....2,832.57	2,832.57	621.54
	For 150 LB Rating, Add	638.75	
	For 250 LB Rating, Add	927.21	
	For Chain Operated Type, Add	1,030.24	
	For Work In Restricted Working Space, Add	231.63	
23 05 23 00-0167	EA 10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....4,084.16	4,084.16	756.66
	For 150 LB Rating, Add	972.89	
	For 250 LB Rating, Add	1,412.25	
	For Chain Operated Type, Add	1,569.17	
	For Work In Restricted Working Space, Add	283.75	
23 05 23 00-0168	EA 12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve .....7,085.06	7,085.06	918.80
	For 150 LB Rating, Add	1,840.97	
	For 250 LB Rating, Add	2,672.37	
	For Chain Operated Type, Add	2,969.30	
	For Work In Restricted Working Space, Add	343.94	
23 05 23 00-0169	<b>Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves</b> (23 05 23 00-0141)		
23 05 23 00-0170	EA 1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve .....76.49	76.49	15.16
	For 150 LB Rating, Add	8.55	
	For 200 LB Rating, Add	10.48	
	For 300 LB Rating, Add	15.17	
	For Work In Restricted Working Space, Add	14.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0171	EA		1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	71.74	15.16
			For 150 LB Rating, Add	8.55	
			For 200 LB Rating, Add	10.48	
			For 300 LB Rating, Add	15.17	
			For Work In Restricted Working Space, Add	13.25	
23 05 23 00-0172	EA		3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	74.05	15.16
			For 150 LB Rating, Add	8.55	
			For 200 LB Rating, Add	10.48	
			For 300 LB Rating, Add	15.17	
			For Work In Restricted Working Space, Add	13.94	
23 05 23 00-0173	EA		1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	78.33	15.16
			For 150 LB Rating, Add	9.12	
			For 200 LB Rating, Add	11.18	
			For 300 LB Rating, Add	16.18	
			For Work In Restricted Working Space, Add	14.67	
23 05 23 00-0174	EA		3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	106.72	15.92
			For 150 LB Rating, Add	12.64	
			For 200 LB Rating, Add	15.50	
			For 300 LB Rating, Add	22.43	
			For Work In Restricted Working Space, Add	19.78	
23 05 23 00-0175	EA		1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	133.34	15.92
			For 150 LB Rating, Add	16.59	
			For 200 LB Rating, Add	20.34	
			For 300 LB Rating, Add	29.44	
			For Work In Restricted Working Space, Add	23.94	
23 05 23 00-0176	EA		1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	180.61	20.17
			For 150 LB Rating, Add	24.65	
			For 200 LB Rating, Add	30.22	
			For 300 LB Rating, Add	43.74	
			For Work In Restricted Working Space, Add	30.33	
23 05 23 00-0177	EA		1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	209.35	23.35
			For 150 LB Rating, Add	28.74	
			For 200 LB Rating, Add	35.23	
			For 300 LB Rating, Add	50.99	
			For Work In Restricted Working Space, Add	34.99	
23 05 23 00-0178	EA		2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	277.49	27.60
			For 150 LB Rating, Add	43.29	
			For 200 LB Rating, Add	53.06	
			For 300 LB Rating, Add	76.80	
			For Work In Restricted Working Space, Add	41.36	
23 05 23 00-0179	EA		2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	454.07	40.49
			For 150 LB Rating, Add	78.09	
			For 200 LB Rating, Add	95.72	
			For 300 LB Rating, Add	138.54	
			For Work In Restricted Working Space, Add	60.65	
23 05 23 00-0180	EA		3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	659.87	47.01
			For 150 LB Rating, Add	132.24	
			For 200 LB Rating, Add	162.10	
			For 300 LB Rating, Add	234.62	
			For Work In Restricted Working Space, Add	69.99	
<b>23 05 23 00-0181</b>			<b>Flanged, 125 LB, Iron Body, Angle Globe Valves</b> (23 05 23 00-0141)		
23 05 23 00-0182	EA		2" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,258.19	202.13
			For 250 LB Rating, Add	603.28	
			For Chain Operated Type, Add	392.13	
			For Work In Restricted Working Space, Add	75.82	
23 05 23 00-0183	EA		2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,443.04	202.49
			For 250 LB Rating, Add	713.48	
			For Chain Operated Type, Add	463.76	
			For Work In Restricted Working Space, Add	76.17	
23 05 23 00-0184	EA		3" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,698.43	237.40
			For 250 LB Rating, Add	840.79	
			For Chain Operated Type, Add	546.51	
			For Work In Restricted Working Space, Add	89.14	
23 05 23 00-0185	EA		4" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,500.21	397.99
			For 250 LB Rating, Add	1,200.89	
			For Chain Operated Type, Add	780.58	
			For Work In Restricted Working Space, Add	149.62	
23 05 23 00-0186	EA		5" Flanged, 125 LB, Iron Body, Angle Globe Valve	4,133.41	437.78
			For 250 LB Rating, Add	2,152.21	
			For Chain Operated Type, Add	1,398.94	
			For Work In Restricted Working Space, Add	163.92	
23 05 23 00-0187	EA		6" Flanged, 125 LB, Iron Body, Angle Globe Valve	4,197.23	486.43
			For 250 LB Rating, Add	2,152.21	
			For Chain Operated Type, Add	1,398.94	
			For Work In Restricted Working Space, Add	183.06	
23 05 23 00-0188	EA		8" Flanged, 125 LB, Iron Body, Angle Globe Valve	7,792.62	621.54
			For 250 LB Rating, Add	4,212.31	
			For Chain Operated Type, Add	2,738.00	
			For Work In Restricted Working Space, Add	231.63	
<b>23 05 23 00-0189</b>			<b>Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves</b> (23 05 23 00-0141)		
			Note: 800 PSIG at 850 degrees F.		
23 05 23 00-0190	EA		1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	220.57	24.56
			For Work In Restricted Working Space, Add	13.25	
23 05 23 00-0191	EA		1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	225.32	24.56
			For Work In Restricted Working Space, Add	14.67	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0192	EA		3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	266.62 19.78	33.06
23 05 23 00-0193	EA		1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	329.05 23.94	39.88
23 05 23 00-0194	EA		1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	528.36 30.33	50.50
23 05 23 00-0195	EA		1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	632.93 34.99	58.38
23 05 23 00-0196	EA		2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve ..... <i>For Work In Restricted Working Space, Add</i>	803.04 41.36	68.99
<b>23 05 23 00-0197</b>			<b>Triple Duty Valves</b> <small>(23 05 23)</small> Note: Valves function as a shut-off, check valve and calibrated balancing valve.		
<b>23 05 23 00-0198</b>			<b>Straight Pattern, Triple Duty Valves</b> <small>(23 05 23 00-0197)</small> Note: Bell & Gossett 3DX and 3DS-S Series.		
23 05 23 00-0199	EA		1" Threaded, Straight Pattern, Triple Duty Valve .....	325.61	15.92
23 05 23 00-0200	EA		1-1/4" Threaded, Straight Pattern, Triple Duty Valve .....	379.33	20.17
23 05 23 00-0201	EA		1-1/2" Threaded, Straight Pattern, Triple Duty Valve .....	413.49	23.35
23 05 23 00-0202	EA		2" Flanged, Straight Pattern, Triple Duty Valve.....	1,059.90	202.13
23 05 23 00-0203	EA		2-1/2" Flanged, Straight Pattern, Triple Duty Valve .....	1,186.33	202.49
23 05 23 00-0204	EA		3" Flanged, Straight Pattern, Triple Duty Valve.....	1,303.77	237.40
23 05 23 00-0205	EA		4" Flanged, Straight Pattern, Triple Duty Valve.....	2,641.93	397.99
23 05 23 00-0206	EA		5" Flanged, Straight Pattern Triple Duty Valve.....	3,074.62	437.78
23 05 23 00-0207	EA		6" Flanged, Straight Pattern, Triple Duty Valve.....	4,061.60	486.43
23 05 23 00-0208	EA		8" Flanged, Straight Pattern, Triple Duty Valve.....	5,457.45	621.54
23 05 23 00-0209	EA		10" Flanged, Straight Pattern, Triple Duty Valve.....	8,683.61	756.66
<b>23 05 23 00-0210</b>			<b>Flanged, Angle Pattern, Triple Duty Valves</b> <small>(23 05 23 00-0197)</small> Note: Bell & Gossett 3D-S Series.		
23 05 23 00-0211	EA		2" Flanged, Angle Pattern, Triple Duty Valve.....	1,036.70	202.13
23 05 23 00-0212	EA		2-1/2" Flanged, Angle Pattern, Triple Duty Valve.....	1,158.50	202.49
23 05 23 00-0213	EA		3" Flanged, Angle Pattern, Triple Duty Valve.....	1,280.58	237.40
23 05 23 00-0214	EA		4" Flanged, Angle Pattern, Triple Duty Valve.....	2,581.62	397.99
23 05 23 00-0215	EA		5" Flanged, Angle Pattern, Triple Duty Valve.....	3,000.40	437.78
23 05 23 00-0216	EA		6" Flanged, Angle Pattern, Triple Duty Valve.....	3,365.75	486.43
23 05 23 00-0217	EA		8" Flanged, Angle Pattern, Triple Duty Valve.....	5,128.08	621.54
23 05 23 00-0218	EA		10" Flanged, Angle Pattern, Triple Duty Valve.....	6,832.66	756.66
<b>23 05 23 00-0219</b>			<b>Balanced, Straight Pattern, Triple Duty Valves</b> <small>(23 05 23 00-0197)</small> Note: Bell & Gossett 3DS-B Series.		
23 05 23 00-0220	EA		3" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	1,201.72	237.40
23 05 23 00-0221	EA		4" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,372.87	397.99
23 05 23 00-0222	EA		5" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	2,763.81	437.78
23 05 23 00-0223	EA		6" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	3,639.45	486.43
23 05 23 00-0224	EA		8" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	4,882.22	621.54
23 05 23 00-0225	EA		10" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	7,723.34	756.66
23 05 23 00-0226	EA		12" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	11,556.62	918.80
23 05 23 00-0227	EA		14" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	14,035.84	1,080.94
23 05 23 00-0228	EA		16" Flanged, Balanced, Straight Pattern, Triple Duty Valve.....	17,533.40	1,189.03
<b>23 05 23 00-0229</b>			<b>Grooved Straight Pattern, Triple Duty Valves</b> <small>(23 05 23 00-0197)</small> Note: Bell & Gossett 3DS-G Series.		
23 05 23 00-0230	EA		2" Grooved, Straight Pattern, Triple Duty Valve.....	1,075.91	37.45
23 05 23 00-0231	EA		2-1/2" Grooved, Straight Pattern, Triple Duty Valve.....	1,282.86	44.68
23 05 23 00-0232	EA		3" Grooved, Straight Pattern, Triple Duty Valve.....	1,492.14	48.46
23 05 23 00-0233	EA		4" Grooved, Straight Pattern, Triple Duty Valve.....	2,467.96	52.23
23 05 23 00-0234	EA		5" Grooved, Straight Pattern, Triple Duty Valve.....	2,862.87	68.91
23 05 23 00-0235	EA		6" Grooved, Straight Pattern Triple Duty Valve.....	3,815.75	88.36
23 05 23 00-0236	EA		8" Grooved, Straight Pattern Triple Duty Valve.....	5,186.89	112.15
23 05 23 00-0237	EA		10" Grooved, Straight Pattern Triple Duty Valve.....	8,168.17	125.66
23 05 23 00-0238	EA		12" Grooved, Straight Pattern Triple Duty Valve.....	12,953.01	153.22
<b>23 05 23 00-0239</b>			<b>Plug Valves</b> <small>(23 05 23)</small>		
<b>23 05 23 00-0240</b>			<b>Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated</b> <small>(23 05 23 00-0239)</small> Note: Includes wrench.		
23 05 23 00-0241	EA		1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	306.95	15.16
23 05 23 00-0242	EA		3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	323.97	16.68
23 05 23 00-0243	EA		1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	408.94	18.96
23 05 23 00-0244	EA		1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	490.78	20.17
23 05 23 00-0245	EA		1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	540.56	23.35
23 05 23 00-0246	EA		2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	638.12	27.60
23 05 23 00-0247	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	952.40	37.28
23 05 23 00-0248	EA		3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench.....	1,162.73	43.29
<b>23 05 23 00-0249</b>			<b>Plug Valves, Lubricated, Semisteel Flanged</b> <small>(23 05 23 00-0239)</small> Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0250	EA		2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	670.05	202.13
23 05 23 00-0251	EA		2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	803.62	202.49
23 05 23 00-0252	EA		3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench.....	987.87	237.40



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0253	EA		4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench .....	1,434.12	397.99
23 05 23 00-0254	EA		6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench .....	3,105.54	486.43
23 05 23 00-0255	EA		8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench .....	5,267.73	621.54
23 05 23 00-0256	EA		10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench .....	8,437.58	756.66
23 05 23 00-0257	EA		12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench .....	12,517.93	918.80
<b>23 05 23 00-0258</b>			<b>Plug Valves, Forged Steel, Screwed (23 05 23 00-0239)</b>		
23 05 23 00-0259	EA		1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,152.63	15.16
23 05 23 00-0260	EA		3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,363.57	16.68
23 05 23 00-0261	EA		1" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,542.65	18.96
23 05 23 00-0262	EA		1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	1,852.03	20.17
23 05 23 00-0263	EA		1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,156.48	23.35
23 05 23 00-0264	EA		2" Plug Valve, 1,500 LB, Forged Steel, Screwed.....	2,833.69	27.60
<b>23 05 23 00-0265</b>			<b>Plug Valves, Eccentric, Cast Iron Flanged (23 05 23 00-0239)</b>		
23 05 23 00-0266	EA		4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI .....	1,303.53	397.99
23 05 23 00-0267	EA		6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI .....	1,990.25	486.43
23 05 23 00-0268	EA		8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI .....	2,695.72	621.54
23 05 23 00-0269	EA		10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI .....	3,792.99	756.66
23 05 23 00-0270	EA		12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI .....	4,882.86	918.80
<b>23 05 23 00-0271</b>			<b>Foot Valves (23 05 23)</b>		
<b>23 05 23 00-0272</b>			<b>Single Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0271)</b>		
23 05 23 00-0273	EA		1" Single Poppet Foot Valve, Metal To Metal Seat Construction .....	113.75	37.78
23 05 23 00-0274	EA		1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction .....	128.94	42.32
23 05 23 00-0275	EA		1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction .....	162.53	48.36
23 05 23 00-0276	EA		2" Single Poppet Foot Valve, Metal To Metal Seat Construction .....	210.41	54.41
23 05 23 00-0277	EA		2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction .....	465.36	89.17
23 05 23 00-0278	EA		3" Single Poppet Foot Valve, Metal To Metal Seat Construction .....	592.60	108.82
<b>23 05 23 00-0279</b>			<b>Double Poppet Foot Valves, Metal To Metal Seat Construction (23 05 23 00-0271)</b>		
23 05 23 00-0280	EA		1" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	113.75	37.78
23 05 23 00-0281	EA		1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction .....	227.05	42.32
23 05 23 00-0282	EA		1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction .....	219.13	48.36
23 05 23 00-0283	EA		2" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	293.38	54.41
23 05 23 00-0284	EA		3" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	568.24	89.17
23 05 23 00-0285	EA		4" Double Poppet Foot Valve, Metal To Metal Seat Construction.....	767.16	107.30
<b>23 05 23 00-0286</b>			<b>Float Valves (23 05 23)</b>		
<b>23 05 23 00-0287</b>			<b>Float Valve Assembly For Maintaining Liquid Level In Tanks (23 05 23 00-0286)</b>		
<b>23 05 23 00-0288</b>			<b>Single Seat, Bronze Construction (23 05 23 00-0287)</b>		
Note: For storage tanks, reservoirs, cooling towers and filtration plants.					
23 05 23 00-0289	EA		Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve .....	241.06	31.84
23 05 23 00-0290	EA		Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve .....	276.91	37.91
23 05 23 00-0291	EA		Inlet Size 1", Maximum PSI 100, Single Seat Float Valve .....	355.47	40.94
23 05 23 00-0292	EA		Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve .....	586.21	51.55
23 05 23 00-0293	EA		Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve .....	601.36	59.13
<b>23 05 23 00-0294</b>			<b>Double Seat, Bronze Construction (23 05 23 00-0287)</b>		
Note: For hot or cold water or oil to open tanks.					
23 05 23 00-0295	EA		Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve.....	1,234.10	31.84
23 05 23 00-0296	EA		Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve.....	1,246.22	37.91
23 05 23 00-0297	EA		Pipe Size 1" Maximum PSI 150, Double Seat Float Valve.....	1,436.99	40.94
23 05 23 00-0298	EA		Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve .....	1,591.22	51.55
23 05 23 00-0299	EA		Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve .....	1,819.17	59.13
23 05 23 00-0300	EA		Pipe Size 2" Maximum PSI 150, Double Seat Float Valve.....	2,383.06	69.76
23 05 23 00-0301	EA		Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve .....	2,776.60	93.56
23 05 23 00-0302	EA		Pipe Size 3" Maximum PSI 150, Double Seat Float Valve.....	3,337.93	107.53
<b>23 05 23 00-0303</b>			<b>Float Valve Single Seated Balanced For Air Oil Or Water (23 05 23 00-0286)</b>		
Note: Includes arm, ball and bracket.					
<b>23 05 23 00-0304</b>			<b>Brass Body Threaded Ends (23 05 23 00-0303)</b>		
23 05 23 00-0305	EA		1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	265.61	41.09
23 05 23 00-0306	EA		3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	299.79	45.64
23 05 23 00-0307	EA		1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	367.37	50.50
23 05 23 00-0308	EA		1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	587.77	81.58
23 05 23 00-0309	EA		1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket .....	620.50	92.95
23 05 23 00-0310	EA		2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket.....	705.45	115.24
<b>23 05 23 00-0311</b>			<b>Cast Iron Body Flanged (23 05 23 00-0303)</b>		
23 05 23 00-0312	EA		2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	7,733.36	202.49
23 05 23 00-0313	EA		3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket.....	9,348.70	237.40

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 05 23 00-0314		Float Operated Valves (23 05 23 00-0286)			
23 05 23 00-0315		For Condensate Receivers Tanks And Vessels (23 05 23 00-0314)			
		Note: Cast iron body, self-contained, float in-line mount.			
23 05 23 00-0316	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....		887.62	71.27
23 05 23 00-0317		For Condensate Receivers Tanks And Vessels (23 05 23 00-0314)			
		Note: Cast iron body, external float tank mount, flanged.			
23 05 23 00-0318	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket.....		1,135.82	132.66
23 05 23 00-0319		Needle Valves (23 05 23)			
23 05 23 00-0320		Bronze Needle Valve (23 05 23 00-0319)			
		Note: For heating and cooling applications.			
23 05 23 00-0321	EA	1/4" Needle Valve, Bronze.....		128.00	15.16
23 05 23 00-0322	EA	3/8" Needle Valve, Bronze.....		142.13	15.16
23 05 23 00-0323	EA	1/2" Needle Valve, Bronze.....		155.05	15.16
23 05 23 00-0324	EA	3/4" Needle Valve, Bronze.....		233.57	16.68
23 05 23 00-0325	EA	1" Needle Valve, Bronze.....		353.26	18.96
23 05 23 00-0326		Eccentric Valves With Taps (23 05 23)			
23 05 23 00-0327		Screwed Eccentric Valves With Taps (23 05 23 00-0326)			
23 05 23 00-0328	EA	1/2" Diameter Eccentric Valves With Taps, Screwed.....		545.08	15.16
23 05 23 00-0329	EA	3/4" Diameter Eccentric Valves With Taps, Screwed.....		569.73	16.68
23 05 23 00-0330	EA	1" Diameter Eccentric Valves With Taps, Screwed.....		721.01	18.96
23 05 23 00-0331	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed.....		872.06	20.17
23 05 23 00-0332	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed.....		948.68	23.35
23 05 23 00-0333	EA	2" Diameter Eccentric Valves With Taps, Screwed.....		1,114.92	27.60
23 05 23 00-0334	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed.....		1,697.60	37.28
23 05 23 00-0335	EA	3" Diameter Eccentric Valves With Taps, Screwed.....		2,069.75	43.29
23 05 23 00-0336		Flanged Eccentric Valves With Taps (23 05 23 00-0326)			
23 05 23 00-0337	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged.....		2,047.74	202.49
23 05 23 00-0338	EA	3" Diameter Eccentric Valves With Taps, Flanged.....		2,434.46	237.40
23 05 23 00-0339	EA	4" Diameter Eccentric Valves With Taps, Flanged.....		3,208.57	397.99
23 05 23 00-0340	EA	5" Diameter Eccentric Valves With Taps, Flanged.....		4,363.07	437.78
23 05 23 00-0341	EA	6" Diameter Eccentric Valves With Taps, Flanged.....		5,571.89	486.43
23 05 23 00-0342	EA	8" Diameter Eccentric Valves With Taps, Flanged.....		9,741.30	621.54
23 05 23 00-0343	EA	10" Diameter Eccentric Valves With Taps, Flanged.....		13,731.70	756.66
23 05 23 00-0344	EA	12" Diameter Eccentric Valves With Taps, Flanged.....		23,855.71	918.80
23 05 23 00-0345		Check Valves (23 05 23)			
23 05 23 00-0346		Iron Body Wafer Type Check Valve (23 05 23 00-0345)			
23 05 23 00-0347		Single Disk Type (23 05 23 00-0346)			
23 05 23 00-0348	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		535.39	201.46
		For 150 LB Rating, Add		59.54	
		For 200 LB Rating, Add		70.88	
		For 300 LB Rating, Add		85.05	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		177.95	
23 05 23 00-0349	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		624.55	201.85
		For 150 LB Rating, Add		78.00	
		For 200 LB Rating, Add		92.86	
		For 300 LB Rating, Add		111.43	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		217.77	
23 05 23 00-0350	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		765.69	236.65
		For 150 LB Rating, Add		98.60	
		For 200 LB Rating, Add		117.38	
		For 300 LB Rating, Add		140.85	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		270.51	
23 05 23 00-0351	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		1,133.07	396.75
		For 150 LB Rating, Add		133.54	
		For 200 LB Rating, Add		158.98	
		For 300 LB Rating, Add		190.77	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		385.59	
23 05 23 00-0352	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		1,692.08	556.83
		For 150 LB Rating, Add		209.17	
		For 200 LB Rating, Add		249.01	
		For 300 LB Rating, Add		298.81	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		587.43	
23 05 23 00-0353	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		2,326.08	640.36
		For 150 LB Rating, Add		320.99	
		For 200 LB Rating, Add		382.14	
		For 300 LB Rating, Add		458.56	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		847.35	
23 05 23 00-0354	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB.....		3,422.97	779.57
		For 150 LB Rating, Add		512.69	
		For 200 LB Rating, Add		610.35	
		For 300 LB Rating, Add		732.41	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add		1,294.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0355			<b>Twin Disc Type (23 05 23 00-0346)</b>		
23 05 23 00-0356	EA		2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	708.78	201.46
			For 150 LB Rating, Add	95.95	
			For 200 LB Rating, Add	114.22	
			For 300 LB Rating, Add	137.07	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	255.98	
23 05 23 00-0357	EA		2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	801.43	201.85
			For 150 LB Rating, Add	115.15	
			For 200 LB Rating, Add	137.08	
			For 300 LB Rating, Add	164.50	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	297.37	
23 05 23 00-0358	EA		3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	935.95	236.65
			For 150 LB Rating, Add	134.35	
			For 200 LB Rating, Add	159.94	
			For 300 LB Rating, Add	191.93	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	347.13	
23 05 23 00-0359	EA		4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	1,309.62	396.75
			For 150 LB Rating, Add	170.61	
			For 200 LB Rating, Add	203.11	
			For 300 LB Rating, Add	243.74	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	465.04	
23 05 23 00-0360	EA		6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,006.14	556.83
			For 150 LB Rating, Add	275.12	
			For 200 LB Rating, Add	327.53	
			For 300 LB Rating, Add	393.03	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	728.75	
23 05 23 00-0361	EA		8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	2,796.22	640.36
			For 150 LB Rating, Add	420.16	
			For 200 LB Rating, Add	500.19	
			For 300 LB Rating, Add	600.23	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,059.43	
23 05 23 00-0362	EA		10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	4,143.42	765.64
			For 150 LB Rating, Add	665.40	
			For 200 LB Rating, Add	792.15	
			For 300 LB Rating, Add	950.57	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	1,620.83	
23 05 23 00-0363	EA		12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	5,424.93	946.60
			For 150 LB Rating, Add	891.49	
			For 200 LB Rating, Add	1,061.30	
			For 300 LB Rating, Add	1,273.56	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	2,146.29	
23 05 23 00-0364	EA		14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	10,093.91	1,096.09
			For 150 LB Rating, Add	1,812.82	
			For 200 LB Rating, Add	2,158.12	
			For 300 LB Rating, Add	2,589.74	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	4,176.90	
23 05 23 00-0365	EA		16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	13,794.63	1,286.08
			For 150 LB Rating, Add	2,559.27	
			For 200 LB Rating, Add	3,046.76	
			For 300 LB Rating, Add	3,656.11	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	5,805.68	
23 05 23 00-0366	EA		18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	18,333.09	1,432.23
			For 150 LB Rating, Add	3,474.84	
			For 200 LB Rating, Add	4,136.72	
			For 300 LB Rating, Add	4,964.06	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	7,803.34	
23 05 23 00-0367	EA		20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	21,797.50	1,607.61
			For 150 LB Rating, Add	4,155.48	
			For 200 LB Rating, Add	4,947.00	
			For 300 LB Rating, Add	5,936.40	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	9,306.50	
23 05 23 00-0368	EA		24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB.....	28,473.98	1,972.96
			For 150 LB Rating, Add	5,460.16	
			For 200 LB Rating, Add	6,500.19	
			For 300 LB Rating, Add	7,800.23	
			For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	12,194.98	
23 05 23 00-0369			<b>Bronze Body Swing Check Valves (23 05 23 00-0345)</b>		
23 05 23 00-0370			<b>Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves (23 05 23 00-0369)</b>		
23 05 23 00-0371	EA		1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	93.78	15.16
			For 300 LB Rating, Add	17.50	
			For Work In Restricted Working Space, Add	14.67	
23 05 23 00-0372	EA		1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	89.03	15.16
			For 300 LB Rating, Add	17.50	
			For Work In Restricted Working Space, Add	13.25	
23 05 23 00-0373	EA		3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	91.34	15.16
			For 300 LB Rating, Add	17.50	
			For Work In Restricted Working Space, Add	13.94	
23 05 23 00-0374	EA		1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	95.53	15.16
			For 300 LB Rating, Add	18.18	
			For Work In Restricted Working Space, Add	14.67	
23 05 23 00-0375	EA		3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB.....	122.42	15.92
			For 300 LB Rating, Add	22.03	
			For Work In Restricted Working Space, Add	19.78	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0376	EA		1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	156.52	15.92
			<i>For 300 LB Rating, Add</i>	29.92	
			<i>For Work In Restricted Working Space, Add</i>	23.94	
23 05 23 00-0377	EA		1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	208.76	20.17
			<i>For 300 LB Rating, Add</i>	41.99	
			<i>For Work In Restricted Working Space, Add</i>	30.33	
23 05 23 00-0378	EA		1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	267.42	23.35
			<i>For 300 LB Rating, Add</i>	58.80	
			<i>For Work In Restricted Working Space, Add</i>	34.99	
23 05 23 00-0379	EA		2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	331.71	27.60
			<i>For 300 LB Rating, Add</i>	75.61	
			<i>For Work In Restricted Working Space, Add</i>	41.36	
23 05 23 00-0380	EA		2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	631.84	37.28
			<i>For 300 LB Rating, Add</i>	173.80	
			<i>For Work In Restricted Working Space, Add</i>	55.86	
23 05 23 00-0381	EA		3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	848.66	43.29
			<i>For 300 LB Rating, Add</i>	247.19	
			<i>For Work In Restricted Working Space, Add</i>	64.45	
23 05 23 00-0382	EA		4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB .....	961.62	48.88
			<i>For 300 LB Rating, Add</i>	279.72	
			<i>For Work In Restricted Working Space, Add</i>	73.31	
<b>23 05 23 00-0383</b>			<b>125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves (23 05 23 00-0345)</b>		
23 05 23 00-0384	EA		1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	554.76	113.72
			<i>For 150 LB Rating, Add</i>	279.96	
			<i>For 250 LB Rating, Add</i>	535.22	
			<i>For Work In Restricted Working Space, Add</i>	42.92	
23 05 23 00-0385	EA		1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	618.40	132.68
			<i>For 150 LB Rating, Add</i>	308.43	
			<i>For 250 LB Rating, Add</i>	589.65	
			<i>For Work In Restricted Working Space, Add</i>	49.45	
23 05 23 00-0386	EA		1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	691.48	159.22
			<i>For 150 LB Rating, Add</i>	334.53	
			<i>For 250 LB Rating, Add</i>	639.55	
			<i>For Work In Restricted Working Space, Add</i>	59.86	
23 05 23 00-0387	EA		2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	863.73	202.13
			<i>For 150 LB Rating, Add</i>	415.49	
			<i>For 250 LB Rating, Add</i>	794.31	
			<i>For Work In Restricted Working Space, Add</i>	75.82	
23 05 23 00-0388	EA		2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	966.98	202.49
			<i>For 150 LB Rating, Add</i>	484.89	
			<i>For 250 LB Rating, Add</i>	927.00	
			<i>For Work In Restricted Working Space, Add</i>	76.17	
23 05 23 00-0389	EA		3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	1,072.03	237.40
			<i>For 150 LB Rating, Add</i>	526.94	
			<i>For 250 LB Rating, Add</i>	1,007.38	
			<i>For Work In Restricted Working Space, Add</i>	89.14	
23 05 23 00-0390	EA		4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	1,696.30	397.99
			<i>For 150 LB Rating, Add</i>	814.35	
			<i>For 250 LB Rating, Add</i>	1,556.84	
			<i>For Work In Restricted Working Space, Add</i>	149.62	
23 05 23 00-0391	EA		5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	2,304.66	437.78
			<i>For 150 LB Rating, Add</i>	1,195.62	
			<i>For 250 LB Rating, Add</i>	2,285.75	
			<i>For Work In Restricted Working Space, Add</i>	163.92	
23 05 23 00-0392	EA		6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	2,648.84	486.43
			<i>For 150 LB Rating, Add</i>	1,386.27	
			<i>For 250 LB Rating, Add</i>	2,650.22	
			<i>For Work In Restricted Working Space, Add</i>	183.06	
23 05 23 00-0393	EA		8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	5,861.81	621.54
			<i>For 150 LB Rating, Add</i>	3,461.00	
			<i>For 250 LB Rating, Add</i>	6,616.62	
			<i>For Work In Restricted Working Space, Add</i>	231.63	
23 05 23 00-0394	EA		10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	7,874.00	756.66
			<i>For 150 LB Rating, Add</i>	4,711.16	
			<i>For 250 LB Rating, Add</i>	9,006.63	
			<i>For Work In Restricted Working Space, Add</i>	283.75	
23 05 23 00-0395	EA		12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	11,950.63	918.80
			<i>For 150 LB Rating, Add</i>	7,346.84	
			<i>For 250 LB Rating, Add</i>	14,045.42	
			<i>For Work In Restricted Working Space, Add</i>	343.94	
23 05 23 00-0396	EA		14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	13,811.91	1,264.09
			<i>For 150 LB Rating, Add</i>	8,317.62	
			<i>For 250 LB Rating, Add</i>	15,901.34	
			<i>For Work In Restricted Working Space, Add</i>	474.03	
23 05 23 00-0397	EA		16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	19,553.65	1,390.50
			<i>For 150 LB Rating, Add</i>	12,114.56	
			<i>For 250 LB Rating, Add</i>	23,160.19	
			<i>For Work In Restricted Working Space, Add</i>	521.44	
23 05 23 00-0398	EA		18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	29,928.75	1,542.19
			<i>For 150 LB Rating, Add</i>	19,040.69	
			<i>For 250 LB Rating, Add</i>	36,401.31	
			<i>For Work In Restricted Working Space, Add</i>	578.32	
23 05 23 00-0399	EA		20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves .....	41,145.36	1,738.12
			<i>For 150 LB Rating, Add</i>	26,501.44	
			<i>For 250 LB Rating, Add</i>	50,664.52	
			<i>For Work In Restricted Working Space, Add</i>	651.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0400	EA		24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves <i>For 150 LB Rating, Add</i> <i>For 250 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	57,225.79 37,100.36 70,927.16 799.93	2,133.15
<b>23 05 23 00-0401</b>			<b>Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves</b> (23 05 23 00-0345) Note: 800 PSIG at 850 Degrees F.		
23 05 23 00-0402	EA		1/2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	204.28 14.67	15.16
23 05 23 00-0403	EA		3/4" 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	242.34 19.78	16.68
23 05 23 00-0404	EA		1" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	286.97 23.94	18.96
23 05 23 00-0405	EA		1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	439.89 30.33	20.17
23 05 23 00-0406	EA		1-1/2" 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	521.26 34.99	23.35
23 05 23 00-0407	EA		2" Class 800, Threaded, Forged Steel Swing Check Valve <i>For Work In Restricted Working Space, Add</i>	701.08 41.36	27.60
<b>23 05 23 00-0408</b>			<b>Plastic Check Valve</b> (23 05 23 00-0345)		
<b>23 05 23 00-0409</b>			<b>Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections</b> (23 05 23 00-0408)		
23 05 23 00-0410	EA		1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	95.50 14.67	15.16
23 05 23 00-0411	EA		3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	112.52 19.78	16.68
23 05 23 00-0412	EA		1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	128.23 23.94	18.96
23 05 23 00-0413	EA		1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	151.52 30.33	20.17
23 05 23 00-0414	EA		1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	169.99 34.99	23.35
23 05 23 00-0415	EA		2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	220.79 41.36	27.60
23 05 23 00-0416	EA		2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	304.27 55.86	37.28
23 05 23 00-0417	EA		3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB <i>For Work In Restricted Working Space, Add</i>	368.07 64.45	43.29
<b>23 05 23 00-0418</b>			<b>Diaphragm Valves</b> (23 05 23)		
<b>23 05 23 00-0419</b>			<b>Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves</b> (23 05 23 00-0418)		
23 05 23 00-0420	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	306.37	45.38
23 05 23 00-0421	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	390.00	50.27
23 05 23 00-0422	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	425.54	62.14
23 05 23 00-0423	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	673.65	92.87
23 05 23 00-0424	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,071.39	111.72
<b>23 05 23 00-0425</b>			<b>Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves</b> (23 05 23 00-0418)		
23 05 23 00-0426	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	398.99	72.78
23 05 23 00-0427	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	464.64	75.81
23 05 23 00-0428	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	550.02	113.72
23 05 23 00-0429	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	832.56	159.22
23 05 23 00-0430	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,325.05	202.13
23 05 23 00-0431	EA		2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,692.86	202.49
23 05 23 00-0432	EA		3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,102.63	237.40
23 05 23 00-0433	EA		4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	2,977.27	397.99
23 05 23 00-0434	EA		6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	6,163.04	486.43
23 05 23 00-0435	EA		8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	9,577.53	621.54



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0436			<b>Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0418)</small>		
23 05 23 00-0437	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	194.10	45.38
23 05 23 00-0438	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	251.12	50.27
23 05 23 00-0439	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	286.66	62.14
23 05 23 00-0440	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	484.53	92.87
23 05 23 00-0441	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	631.12	111.72
23 05 23 00-0442			<b>Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0418)</small>		
23 05 23 00-0443	EA		1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	268.62	72.78
23 05 23 00-0444	EA		3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	312.86	75.81
23 05 23 00-0445	EA		1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	398.22	113.72
23 05 23 00-0446	EA		1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	625.87	159.22
23 05 23 00-0447	EA		2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	843.78	202.13
23 05 23 00-0448	EA		2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	1,024.52	202.49
23 05 23 00-0449	EA		3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	1,246.72	237.40
23 05 23 00-0450	EA		4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	1,968.34	397.99
23 05 23 00-0451	EA		6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	3,902.68	486.43
23 05 23 00-0452	EA		8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated .....	5,992.40	621.54
23 05 23 00-0453			<b>125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves</b> <small>(23 05 23 00-0418)</small>		
23 05 23 00-0454	EA		1" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	504.30	113.72
23 05 23 00-0455	EA		1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	815.77	159.22
23 05 23 00-0456	EA		2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,097.39	202.13
23 05 23 00-0457	EA		2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,571.36	202.49
23 05 23 00-0458	EA		3" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	1,736.75	237.40
23 05 23 00-0459	EA		4" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	2,724.59	397.99
23 05 23 00-0460	EA		6" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	5,444.41	486.43
23 05 23 00-0461	EA		8" Diaphragm Valve, Cast Iron, 125 LB, Flanged .....	11,301.04	621.54
23 05 23 00-0462			<b>Solenoid Valves</b> <small>(23 05 23)</small>		
23 05 23 00-0463			<b>Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure</b> <small>(23 05 23 00-0462)</small>		
23 05 23 00-0464	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Water .....	146.07	15.16
23 05 23 00-0465	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	169.07	15.16
23 05 23 00-0466	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Water .....	217.04	16.68
23 05 23 00-0467	EA		1" Solenoid Valve, Bronze, 150 PSI, Water .....	316.49	18.96
23 05 23 00-0468	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	553.58	23.35
23 05 23 00-0469	EA		2" Solenoid Valve, Bronze, 150 PSI, Water .....	858.25	27.60
23 05 23 00-0470	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Water .....	1,168.69	37.28
23 05 23 00-0471	EA		3" Solenoid Valve, Bronze, 150 PSI, Water .....	1,684.80	43.29
23 05 23 00-0472			<b>Flow Control Valves And Meters</b> <small>(23 05 23)</small>		
23 05 23 00-0473			<b>Conditioned Water Balancing Valves</b> <small>(23 05 23 00-0472)</small>		
			Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.		
23 05 23 00-0474	EA		1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	194.59	77.08
23 05 23 00-0475	EA		3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	235.77	102.78
23 05 23 00-0476	EA		1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,390.24	117.43
23 05 23 00-0477	EA		1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,501.33	145.09
23 05 23 00-0478	EA		1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,607.23	154.15
23 05 23 00-0479	EA		2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	1,722.00	176.22
23 05 23 00-0480	EA		2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	3,057.97	306.81
23 05 23 00-0481	EA		3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,961.70	350.66
23 05 23 00-0482	EA		3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	2,645.67	236.65
23 05 23 00-0483	EA		4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	3,693.81	396.75
23 05 23 00-0484	EA		6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	5,724.88	501.15
23 05 23 00-0485	EA		8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	7,710.65	640.36
23 05 23 00-0486	EA		10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG .....	10,971.88	779.57
23 05 23 00-0487			<b>Read Out Meters</b> <small>(23 05 23 00-0472)</small>		
			Note: For use with conditioned portable water balancing valves.		
23 05 23 00-0488	EA		0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve .....	1,338.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0489	EA		0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,811.71	
23 05 23 00-0490	EA		0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,811.71	
23 05 23 00-0491	EA		0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve.....	1,811.71	
<b>23 05 23 00-0492 Balancing Valves (23 05 23)</b>					
<b>23 05 23 00-0493 Balancing Valves With Lever (23 05 23 00-0492)</b>					
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0494	EA		1/2" Threaded Balancing Valve With Lever.....	363.85	47.61
23 05 23 00-0495	EA		3/4" Threaded Balancing Valve With Lever.....	402.25	62.72
23 05 23 00-0496	EA		1" Threaded Balancing Valve With Lever.....	644.50	71.79
23 05 23 00-0497	EA		1-1/4" Threaded Balancing Valve With Lever.....	697.95	89.17
23 05 23 00-0498	EA		1-1/2" Threaded Balancing Valve With Lever.....	733.36	94.46
23 05 23 00-0499	EA		2" Threaded Balancing Valve With Lever.....	897.63	108.06
23 05 23 00-0500	EA		2-1/2" Flanged Balancing Valve With Lever.....	1,197.83	201.85
23 05 23 00-0501	EA		3" Flanged Balancing Valve With Lever.....	1,209.77	236.65
23 05 23 00-0502	EA		4" Flanged Balancing Valve With Lever.....	1,535.32	396.75
23 05 23 00-0503	EA		5" Flanged Balancing Valve With Lever.....	4,409.87	451.04
23 05 23 00-0504	EA		6" Flanged Balancing Valve With Lever.....	2,237.82	501.15
23 05 23 00-0505	EA		8" Flanged Balancing Valve With Lever.....	2,953.68	640.36
<b>23 05 23 00-0506 Balancing Valves With Nut (23 05 23 00-0492)</b>					
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0507	EA		4" Flanged Balancing Valve With Nut.....	1,535.32	396.75
23 05 23 00-0508	EA		5" Flanged Balancing Valve With Nut.....	4,409.87	451.04
23 05 23 00-0509	EA		6" Flanged Balancing Valve With Nut.....	2,237.82	501.15
23 05 23 00-0510	EA		8" Flanged Balancing Valve With Nut.....	2,953.68	640.36
<b>23 05 23 00-0511 Balancing Valves With Hand Wheel (23 05 23 00-0492)</b>					
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0512	EA		4" Flanged Balancing Valve With Hand Wheel.....	2,060.17	396.75
23 05 23 00-0513	EA		5" Flanged Balancing Valve With Hand Wheel.....	4,964.70	451.04
23 05 23 00-0514	EA		6" Flanged Balancing Valve With Hand Wheel.....	2,793.81	501.15
23 05 23 00-0515	EA		8" Flanged Balancing Valve With Hand Wheel.....	3,939.92	640.36
23 05 23 00-0516	EA		10" Flanged Balancing Valve With Hand Wheel.....	6,018.72	779.57
23 05 23 00-0517	EA		12" Flanged Balancing Valve With Hand Wheel.....	7,857.70	620.10
23 05 23 00-0518	EA		14" Flanged Balancing Valve With Hand Wheel.....	10,248.84	1,169.17
<b>23 05 23 00-0519 Balancing Valves With Chain Wheel (23 05 23 00-0492)</b>					
Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.					
23 05 23 00-0520	EA		4" Flanged Balancing Valve With Chain Wheel.....	2,361.23	396.75
23 05 23 00-0521	EA		5" Flanged Balancing Valve With Chain Wheel.....	5,261.15	451.04
23 05 23 00-0522	EA		6" Flanged Balancing Valve With Chain Wheel.....	3,089.10	501.15
23 05 23 00-0523	EA		8" Flanged Balancing Valve With Chain Wheel.....	4,303.28	640.36
23 05 23 00-0524	EA		10" Flanged Balancing Valve With Chain Wheel.....	6,371.70	779.57
23 05 23 00-0525	EA		12" Flanged Balancing Valve With Chain Wheel.....	8,516.73	619.66
23 05 23 00-0526	EA		14" Flanged Balancing Valve With Chain Wheel.....	10,845.21	1,169.17
<b>23 05 23 00-0527 Calibrated Balancing Valves (23 05 23 00-0492)</b>					
Note: Bell & Gossett CB Series.					
23 05 23 00-0528	EA		1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S).....	154.12	15.12
23 05 23 00-0529	EA		3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S).....	182.90	16.63
23 05 23 00-0530	EA		1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S).....	208.00	18.89
23 05 23 00-0531	EA		1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S).....	288.57	20.10
23 05 23 00-0532	EA		1-1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/2S).....	338.30	23.27
23 05 23 00-0533	EA		2" Brazed Or Soldered Calibrated Balancing Valve (CB-2S).....	449.88	27.51
23 05 23 00-0534	EA		1" Threaded Calibrated Balancing Valve (CB-1).....	236.31	18.89
23 05 23 00-0535	EA		1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4).....	320.29	20.10
23 05 23 00-0536	EA		1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2).....	359.33	23.27
23 05 23 00-0537	EA		2" Threaded Calibrated Balancing Valve (CB-2).....	479.44	27.51
23 05 23 00-0538	EA		2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2).....	677.04	40.36
23 05 23 00-0539	EA		3" Threaded Calibrated Balancing Valve (CB-3).....	1,153.90	46.85
23 05 23 00-0540	EA		2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F).....	1,101.33	219.14
23 05 23 00-0541	EA		3" Flanged Calibrated Balancing Valve (CB-3F).....	1,878.68	256.93
23 05 23 00-0542	EA		4" Flanged Calibrated Balancing Valve (CB-4F).....	2,832.47	430.73
23 05 23 00-0543	EA		5" Flanged Calibrated Balancing Valve (CB-5F).....	3,878.58	489.68
23 05 23 00-0544	EA		6" Flanged Calibrated Balancing Valve (CB-6F).....	4,892.63	544.08
23 05 23 00-0545	EA		8" Flanged Calibrated Balancing Valve (CB-8F).....	7,697.18	695.22
23 05 23 00-0546	EA		10" Flanged Calibrated Balancing Valve (CB-10F).....	12,551.95	818.41
23 05 23 00-0547	EA		12" Flanged Calibrated Balancing Valve (CB-12F).....	26,284.21	993.79
23 05 23 00-0548	EA		4" Grooved Calibrated Balancing Valve (CB-4G).....	3,129.76	52.23
23 05 23 00-0549	EA		5" Grooved Calibrated Balancing Valve (CB-5G).....	3,634.73	68.91
23 05 23 00-0550	EA		6" Grooved Calibrated Balancing Valve (CB-6G).....	4,810.21	88.36
23 05 23 00-0551	EA		8" Grooved Calibrated Balancing Valve (CB-8G).....	9,003.20	112.15
23 05 23 00-0552	EA		10" Grooved Calibrated Balancing Valve (CB-10G).....	14,351.27	125.66
23 05 23 00-0553	EA		12" Grooved Calibrated Balancing Valve (CB-12G).....	29,550.40	153.22

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 23 General-Duty Valves For HVAC Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0554			<b>Butterfly Valves</b> (23 05 23)		
23 05 23 00-0555			<b>Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves</b> (23 05 23 00-0554) Note: With on-off handle		
23 05 23 00-0556	EA		2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	490.34	202.13
			<i>For 200 PSI, Add</i>	114.06	
			<i>For Work In Restricted Working Space, Add</i>	75.82	
23 05 23 00-0557	EA		2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	505.33	202.49
			<i>For 200 PSI, Add</i>	120.69	
			<i>For Work In Restricted Working Space, Add</i>	76.17	
23 05 23 00-0558	EA		3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	567.89	237.40
			<i>For 200 PSI, Add</i>	129.97	
			<i>For Work In Restricted Working Space, Add</i>	89.14	
23 05 23 00-0559	EA		4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	838.58	397.99
			<i>For 200 PSI, Add</i>	163.13	
			<i>For Work In Restricted Working Space, Add</i>	149.62	
23 05 23 00-0560	EA		5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,093.73	486.43
			<i>For 200 PSI, Add</i>	232.09	
			<i>For Work In Restricted Working Space, Add</i>	183.06	
23 05 23 00-0561	EA		6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,266.87	540.47
			<i>For 200 PSI, Add</i>	283.81	
			<i>For Work In Restricted Working Space, Add</i>	202.68	
23 05 23 00-0562	EA		8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	1,661.79	621.54
			<i>For 200 PSI, Add</i>	427.05	
			<i>For Work In Restricted Working Space, Add</i>	231.63	
23 05 23 00-0563	EA		10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	2,669.93	756.66
			<i>For 200 PSI, Add</i>	827.57	
			<i>For Work In Restricted Working Space, Add</i>	283.75	
23 05 23 00-0564	EA		12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type.....	3,343.04	918.80
			<i>For 200 PSI, Add</i>	1,054.36	
			<i>For Work In Restricted Working Space, Add</i>	343.94	

**23 05 23 00-0565 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves** (23 05 23 00-0554)

23 05 23 00-0566	EA		2" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve.....	904.79	202.13
			<i>For Work In Restricted Working Space, Add</i>	75.82	
23 05 23 00-0567	EA		2-1/2" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve .....	911.49	202.49
			<i>For Work In Restricted Working Space, Add</i>	76.17	
23 05 23 00-0568	EA		3" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve.....	987.87	237.40
			<i>For Work In Restricted Working Space, Add</i>	89.14	
23 05 23 00-0569	EA		4" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve.....	1,277.90	397.99
			<i>For Work In Restricted Working Space, Add</i>	149.62	
23 05 23 00-0570	EA		5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI.....	1,580.02	486.43
			<i>For Work In Restricted Working Space, Add</i>	183.06	
23 05 23 00-0571	EA		6" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve.....	1,750.24	540.47
			<i>For Work In Restricted Working Space, Add</i>	202.68	
23 05 23 00-0572	EA		8" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve.....	2,164.65	621.54
			<i>For Work In Restricted Working Space, Add</i>	231.63	
23 05 23 00-0573	EA		10" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve.....	2,744.53	756.66
			<i>For Work In Restricted Working Space, Add</i>	283.75	
23 05 23 00-0574	EA		12" Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valve.....	3,760.26	918.80
			<i>For Work In Restricted Working Space, Add</i>	343.94	

**23 05 23 00-0575 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves** (23 05 23 00-0554)

23 05 23 00-0576	EA		14" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve.....	6,246.05	1,185.08
			<i>For 200 PSI, Add</i>	1,679.74	
			<i>For Work In Restricted Working Space, Add</i>	474.03	
23 05 23 00-0577	EA		16" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve.....	8,006.74	1,390.50
			<i>For 200 PSI, Add</i>	2,256.70	
			<i>For Work In Restricted Working Space, Add</i>	521.44	
23 05 23 00-0578	EA		18" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve.....	11,244.86	1,548.50
			<i>For 200 PSI, Add</i>	3,352.90	
			<i>For Work In Restricted Working Space, Add</i>	579.38	
23 05 23 00-0579	EA		20" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve.....	14,491.03	1,738.12
			<i>For 200 PSI, Add</i>	4,434.62	
			<i>For Work In Restricted Working Space, Add</i>	651.80	
23 05 23 00-0580	EA		24" Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valve.....	19,493.80	2,133.15
			<i>For 200 PSI, Add</i>	6,055.11	
			<i>For Work In Restricted Working Space, Add</i>	802.21	

**23 05 29 Hangers and Supports for HVAC Piping and Equipment** (23 05)

23 05 29 00-0001			<b>Hangers And Supports</b> (23 05 29)		
23 05 29 00-0002			<b>Clevis Hangers</b> (23 05 29 00-0001)		
23 05 29 00-0003			<b>Steel Clevis Hanger (Cooper B-Line B3100)</b> (23 05 29 00-0002) Note: Type 1.		
23 05 29 00-0004	EA		1/2" Steel Clevis Hanger (Cooper B-Line B3100).....	27.10	12.57
			<i>For Work In Restricted Working Space, Add</i>	7.54	
23 05 29 00-0005	EA		3/4" Steel Clevis Hanger (Cooper B-Line B3100).....	29.88	13.97
			<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0006	EA		1" Steel Clevis Hanger (Cooper B-Line B3100).....	31.43	13.97
			<i>For Work In Restricted Working Space, Add</i>	8.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0007	EA		1-1/4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	32.54 9.07	15.11
23 05 29 00-0008	EA		1-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	32.80 9.07	15.11
23 05 29 00-0009	EA		2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	34.12 9.31	15.36
23 05 29 00-0010	EA		2-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	36.95 9.58	15.92
23 05 29 00-0011	EA		3" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	39.16 9.86	16.76
23 05 29 00-0012	EA		3-1/2" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	41.09 10.52	18.40
23 05 29 00-0013	EA		4" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	44.83 11.17	19.55
23 05 29 00-0014	EA		5" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	57.28 14.03	23.39
23 05 29 00-0015	EA		6" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	68.83 16.76	27.92
23 05 29 00-0016	EA		8" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	91.31 20.95	34.91
23 05 29 00-0017	EA		10" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	131.38 27.93	47.48
23 05 29 00-0018	EA		12" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	152.97 31.42	52.37
23 05 29 00-0019	EA		14" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	188.04 36.03	58.65
23 05 29 00-0020	EA		16" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	231.86 41.89	69.83
23 05 29 00-0021	EA		18" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	289.09 52.37	87.28
23 05 29 00-0022	EA		20" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	450.16 62.84	104.74
23 05 29 00-0023	EA		24" Steel Clevis Hanger (Cooper B-Line B3100) <i>For Work In Restricted Working Space, Add</i>	669.54 73.31	122.19
<b>23 05 29 00-0024</b>			<b>Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) (23 05 29 00-0002)</b>		
23 05 29 00-0025	EA		1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	32.29 7.54	12.57
23 05 29 00-0026	EA		3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	35.07 8.38	13.97
23 05 29 00-0027	EA		1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	36.73 8.82	13.97
23 05 29 00-0028	EA		1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	37.96 9.07	15.11
23 05 29 00-0029	EA		1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	38.62 9.07	15.11
23 05 29 00-0030	EA		2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	39.62 9.31	15.36
23 05 29 00-0031	EA		2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	43.66 9.58	15.92
23 05 29 00-0032	EA		3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	45.65 9.86	16.76
23 05 29 00-0033	EA		3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	51.28 11.17	19.55
23 05 29 00-0034	EA		4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	55.66 11.17	19.55
23 05 29 00-0035	EA		5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	87.82 14.03	23.39
23 05 29 00-0036	EA		6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	108.32 16.76	27.92
23 05 29 00-0037	EA		8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) <i>For Work In Restricted Working Space, Add</i>	129.81 20.95	34.91
<b>23 05 29 00-0038</b>			<b>Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) (23 05 29 00-0002)</b>		
23 05 29 00-0039	EA		1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	26.91 7.54	12.57
23 05 29 00-0040	EA		3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	29.73 8.38	13.97
23 05 29 00-0041	EA		1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	31.39 8.82	13.97
23 05 29 00-0042	EA		1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	32.25 9.07	15.11
23 05 29 00-0043	EA		1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	32.40 9.07	15.11
23 05 29 00-0044	EA		2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	33.31 9.31	15.36
23 05 29 00-0045	EA		2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	35.88 9.58	15.92
23 05 29 00-0046	EA		3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	37.35 9.86	16.76
23 05 29 00-0047	EA		3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	42.14 11.17	19.55
23 05 29 00-0048	EA		4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) <i>For Work In Restricted Working Space, Add</i>	43.17 11.17	19.55



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0049			<b>Extended Steel Clevis Hanger (Cooper B-Line B3108)</b> (23 05 29 00-0002)		
23 05 29 00-0050	EA		3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	36.21	13.97
			<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0051	EA		1" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	37.77	13.97
			<i>For Work In Restricted Working Space, Add</i>	8.82	
23 05 29 00-0052	EA		1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	38.59	15.11
			<i>For Work In Restricted Working Space, Add</i>	9.07	
23 05 29 00-0053	EA		1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	39.62	15.11
			<i>For Work In Restricted Working Space, Add</i>	9.07	
23 05 29 00-0054	EA		2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	42.16	15.36
			<i>For Work In Restricted Working Space, Add</i>	9.31	
23 05 29 00-0055	EA		2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	44.87	15.92
			<i>For Work In Restricted Working Space, Add</i>	9.58	
23 05 29 00-0056	EA		3" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	46.93	16.76
			<i>For Work In Restricted Working Space, Add</i>	9.86	
23 05 29 00-0057	EA		4" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	55.81	19.55
			<i>For Work In Restricted Working Space, Add</i>	11.17	
23 05 29 00-0058	EA		5" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	70.36	23.39
			<i>For Work In Restricted Working Space, Add</i>	14.03	
23 05 29 00-0059	EA		6" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	86.37	27.92
			<i>For Work In Restricted Working Space, Add</i>	16.76	
23 05 29 00-0060	EA		8" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	120.08	34.91
			<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 29 00-0061	EA		10" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	167.41	47.48
			<i>For Work In Restricted Working Space, Add</i>	27.93	
23 05 29 00-0062	EA		12" Steel Extended Clevis Hanger (Cooper B-Line B3108).....	188.08	52.37
			<i>For Work In Restricted Working Space, Add</i>	31.42	
23 05 29 00-0063			<b>Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)</b> (23 05 29 00-0002)		
23 05 29 00-0064	EA		2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	43.37	15.36
			<i>For Work In Restricted Working Space, Add</i>	9.31	
23 05 29 00-0065	EA		2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	46.01	15.92
			<i>For Work In Restricted Working Space, Add</i>	9.58	
23 05 29 00-0066	EA		3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	48.23	16.76
			<i>For Work In Restricted Working Space, Add</i>	9.86	
23 05 29 00-0067	EA		3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	53.60	19.55
			<i>For Work In Restricted Working Space, Add</i>	11.17	
23 05 29 00-0068	EA		4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	56.18	19.55
			<i>For Work In Restricted Working Space, Add</i>	11.17	
23 05 29 00-0069	EA		5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	69.88	23.39
			<i>For Work In Restricted Working Space, Add</i>	14.03	
23 05 29 00-0070	EA		6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	81.87	27.92
			<i>For Work In Restricted Working Space, Add</i>	16.76	
23 05 29 00-0071	EA		8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109).....	107.63	34.91
			<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 29 00-0072			<b>Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT)</b> (23 05 29 00-0002)		
23 05 29 00-0073	EA		1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	32.05	12.92
			<i>For Work In Restricted Working Space, Add</i>	7.75	
23 05 29 00-0074	EA		3/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	34.13	13.97
			<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0075	EA		1" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	35.61	13.97
			<i>For Work In Restricted Working Space, Add</i>	8.82	
23 05 29 00-0076	EA		1-1/4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	36.82	14.42
			<i>For Work In Restricted Working Space, Add</i>	8.98	
23 05 29 00-0077	EA		1-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	37.61	14.88
			<i>For Work In Restricted Working Space, Add</i>	9.15	
23 05 29 00-0078	EA		2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	39.21	15.36
			<i>For Work In Restricted Working Space, Add</i>	9.31	
23 05 29 00-0079	EA		2-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	43.48	16.05
			<i>For Work In Restricted Working Space, Add</i>	9.52	
23 05 29 00-0080	EA		3" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	49.52	16.76
			<i>For Work In Restricted Working Space, Add</i>	9.86	
23 05 29 00-0081	EA		3-1/2" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	53.69	18.15
			<i>For Work In Restricted Working Space, Add</i>	10.47	
23 05 29 00-0082	EA		4" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	56.71	19.55
			<i>For Work In Restricted Working Space, Add</i>	11.17	
23 05 29 00-0083	EA		5" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	70.46	23.74
			<i>For Work In Restricted Working Space, Add</i>	13.43	
23 05 29 00-0084	EA		6" Copper Tubing Clevis Hanger, Light Duty (Cooper B-Line B3104CT).....	92.64	27.92
			<i>For Work In Restricted Working Space, Add</i>	16.76	
23 05 29 00-0085			<b>Adjustable Hangers</b> (23 05 29 00-0001)		
23 05 29 00-0086			<b>Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)</b> (23 05 29 00-0085)		
			Note: Type 5.		
23 05 29 00-0087	EA		1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	24.52	11.01
			<i>For Work In Restricted Working Space, Add</i>	6.60	
23 05 29 00-0088	EA		3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	26.93	12.21
			<i>For Work In Restricted Working Space, Add</i>	7.33	
23 05 29 00-0089	EA		1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	29.62	13.57
			<i>For Work In Restricted Working Space, Add</i>	8.14	
23 05 29 00-0090	EA		1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690).....	32.73	15.08
			<i>For Work In Restricted Working Space, Add</i>	9.05	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0091	EA		1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	34.39 9.50	15.83
23 05 29 00-0092	EA		2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	36.67 9.95	16.58
23 05 29 00-0093	EA		2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	41.38 10.40	17.34
23 05 29 00-0094	EA		3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	43.22 10.85	18.09
23 05 29 00-0095	EA		4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)..... <i>For Work In Restricted Working Space, Add</i>	50.94 12.21	20.35
<b>23 05 29 00-0096 Adjustable Swivel Steel Ring (Cooper B-Line B3170) (23 05 29 00-0085)</b>					
Note: Type 10.					
23 05 29 00-0097	EA		1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	29.06 8.38 7.52 9.69	13.97
23 05 29 00-0098	EA		3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	30.65 8.82 8.25 10.63	13.97
23 05 29 00-0099	EA		1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	32.28 9.31 8.25 10.63	15.36
23 05 29 00-0100	EA		1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	34.26 9.86 9.24 11.90	16.76
23 05 29 00-0101	EA		1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	38.64 11.17 9.24 11.90	19.55
23 05 29 00-0102	EA		2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	41.36 11.97 9.70 12.50	19.55
23 05 29 00-0103	EA		2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	45.37 12.89 15.84 20.40	20.95
23 05 29 00-0104	EA		3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	49.06 13.97 16.57 21.34	23.74
23 05 29 00-0105	EA		3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	54.33 15.29 22.18 28.56	25.48
23 05 29 00-0106	EA		4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	59.22 16.76 22.18 28.56	27.92
23 05 29 00-0107	EA		5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	69.81 18.85 46.00 59.25	31.42
23 05 29 00-0108	EA		6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	76.90 20.95 46.66 60.10	34.91
23 05 29 00-0109	EA		8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	92.18 25.13 55.44 71.40	41.89
<b>23 05 29 00-0110 Roller Hangers (23 05 29 00-0001)</b>					
<b>23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) (23 05 29 00-0110)</b>					
Note: Excludes rod and nuts. Type 41.					
23 05 29 00-0112	EA		2" Single Pipe Roll (Cooper B-Line B3114)..... <i>For Work In Restricted Working Space, Add</i>	38.52 6.68	11.14
23 05 29 00-0113	EA		2-1/2" Single Pipe Roll (Cooper B-Line B3114)..... <i>For Work In Restricted Working Space, Add</i>	42.52 7.52	12.53
23 05 29 00-0114	EA		3" Single Pipe Roll (Cooper B-Line B3114)..... <i>For Work In Restricted Working Space, Add</i>	47.65 8.77	14.61
23 05 29 00-0115	EA		3-1/2" Single Pipe Roll (Cooper B-Line B3114)..... <i>For Work In Restricted Working Space, Add</i>	54.78 10.02	16.70
23 05 29 00-0116	EA		4" Single Pipe Roll (Cooper B-Line B3114)..... <i>For Work In Restricted Working Space, Add</i>	73.59 11.28	18.79
23 05 29 00-0117	EA		5" Single Pipe Roll (Cooper B-Line B3114)..... <i>For Work In Restricted Working Space, Add</i>	67.70 12.53	20.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0118	EA		6" Single Pipe Roll (Cooper B-Line B3114) ..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	83.78 15.03	25.06
23 05 29 00-0119	EA		8" Single Pipe Roll (Cooper B-Line B3114) ..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	110.71 17.54	29.23
23 05 29 00-0120	EA		10" Single Pipe Roll (Cooper B-Line B3114) ..... Note: Excludes rod and nuts. <i>For Work In Restricted Working Space, Add</i>	131.31 20.88	34.80
<b>23 05 29 00-0121</b>			<b>Adjustable Clevis Roller Hanger (Cooper B-Line B3110)</b> (23 05 29 00-0110) Note: Type 43.		
23 05 29 00-0122	EA		2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	58.52 11.33 136.88 176.29	19.64
23 05 29 00-0123	EA		2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	61.25 12.15 136.88 176.29	20.25
23 05 29 00-0124	EA		3" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	66.32 12.95 152.72 196.69	21.16
23 05 29 00-0125	EA		3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	76.14 13.60 203.28 261.80	22.67
23 05 29 00-0126	EA		4" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	81.18 15.11 203.28 261.80	25.69
23 05 29 00-0127	EA		5" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	91.27 16.59 237.34 305.66	27.66
23 05 29 00-0128	EA		6" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	105.10 18.14 294.69 379.53	30.23
23 05 29 00-0129	EA		8" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	142.40 22.67 441.08 568.06	37.78
23 05 29 00-0130	EA		10" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	180.38 30.23 525.49 676.77	51.39
23 05 29 00-0131	EA		12" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	230.40 34.01 772.53 994.93	56.67
23 05 29 00-0132	EA		14" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	454.33 38.99 2,140.78 2,757.06	64.99
23 05 29 00-0133	EA		16" Steel Clevis Roller Hanger (Cooper B-Line B3110)..... <i>For Work In Restricted Working Space, Add</i> <i>For 304 Stainless Steel, Add</i> <i>For 316 Stainless Steel, Add</i>	567.49 45.34 2,747.91 3,538.98	75.57
<b>23 05 29 00-0134</b>			<b>Pipe And Riser Clamps</b> (23 05 29 00-0001) Note: Includes bolts and weldless eye nuts.		
<b>23 05 29 00-0135</b>			<b>Steel Pipe Clamp (Cooper B-Line B3140)</b> (23 05 29 00-0134) Note: Type 4.		
23 05 29 00-0136	EA		1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	22.92 5.43	9.05
23 05 29 00-0137	EA		3/4" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	23.22 5.52	9.20
23 05 29 00-0138	EA		1" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	23.55 5.61	9.35
23 05 29 00-0139	EA		1-1/4" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	25.34 5.70	9.50
23 05 29 00-0140	EA		1-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	25.64 5.79	9.65
23 05 29 00-0141	EA		2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	27.04 5.88	9.80
23 05 29 00-0142	EA		2-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	28.08 6.06	10.10
23 05 29 00-0143	EA		3" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	29.61 6.24	10.40
23 05 29 00-0144	EA		3-1/2" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	33.56 6.33	10.55
23 05 29 00-0145	EA		4" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	39.59 8.14	13.57
23 05 29 00-0146	EA		5" Steel Pipe Clamp (Cooper B-Line B3140) ..... <i>For Work In Restricted Working Space, Add</i>	56.07 10.85	18.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0147	EA		6" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	75.74 13.57	22.61
23 05 29 00-0148	EA		8" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	89.01 15.83	26.38
23 05 29 00-0149	EA		10" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	125.66 18.09	30.15
23 05 29 00-0150	EA		12" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	167.42 19.90	33.17
23 05 29 00-0151	EA		14" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	262.10 21.71	36.18
23 05 29 00-0152	EA		16" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	284.09 23.52	39.20
23 05 29 00-0153	EA		18" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	450.86 25.33	42.21
23 05 29 00-0154	EA		20" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	519.60 27.14	45.23
23 05 29 00-0155	EA		24" Steel Pipe Clamp (Cooper B-Line B3140)..... <i>For Work In Restricted Working Space, Add</i>	672.63 29.85	49.75
<b>23 05 29 00-0156</b>			<b>Steel Riser Clamp (Cooper B-Line B3373)</b> (23 05 29 00-0134) Note: Type 8.		
23 05 29 00-0157	EA		1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	22.80 5.03	8.38
23 05 29 00-0158	EA		3/4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	23.63 5.11	8.52
23 05 29 00-0159	EA		1" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	23.99 5.20	8.66
23 05 29 00-0160	EA		1-1/4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	25.67 5.28	8.79
23 05 29 00-0161	EA		1-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	26.57 5.36	8.93
23 05 29 00-0162	EA		2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	27.18 5.45	9.08
23 05 29 00-0163	EA		2-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	28.30 5.62	9.36
23 05 29 00-0164	EA		3" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	29.85 5.78	9.63
23 05 29 00-0165	EA		3-1/2" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	32.41 5.87	9.77
23 05 29 00-0166	EA		4" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	39.70 7.54	12.57
23 05 29 00-0167	EA		5" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	51.56 10.05	16.76
23 05 29 00-0168	EA		6" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	65.25 12.57	20.95
23 05 29 00-0169	EA		8" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	87.12 14.66	24.43
23 05 29 00-0170	EA		10" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	112.45 16.76	27.92
23 05 29 00-0171	EA		12" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	134.54 18.44	30.72
23 05 29 00-0172	EA		14" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	177.01 20.11	33.51
23 05 29 00-0173	EA		16" Steel Riser Clamp (Cooper B-Line B3373)..... <i>For Work In Restricted Working Space, Add</i>	323.66 21.79	36.30
<b>23 05 29 00-0174</b>			<b>Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)</b> (23 05 29 00-0134)		
23 05 29 00-0175	EA		1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	37.17 5.03	8.38
23 05 29 00-0176	EA		3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	37.74 5.11	8.52
23 05 29 00-0177	EA		1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	39.20 5.20	8.66
23 05 29 00-0178	EA		1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	41.69 5.28	8.79
23 05 29 00-0179	EA		1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	46.61 5.36	8.93
23 05 29 00-0180	EA		2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	49.32 5.45	9.08
23 05 29 00-0181	EA		2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	53.17 5.62	9.36
23 05 29 00-0182	EA		3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	58.10 5.78	9.63
23 05 29 00-0183	EA		4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)..... <i>For Work In Restricted Working Space, Add</i>	78.45 7.54	12.57
<b>23 05 29 00-0184</b>			<b>Copper Tubing Riser Clamp (Cooper B-Line B3373CT)</b> (23 05 29 00-0134)		
23 05 29 00-0185	EA		1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	35.62	8.38
23 05 29 00-0186	EA		3/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	35.89	8.52
23 05 29 00-0187	EA		1" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	36.18	8.66
23 05 29 00-0188	EA		1-1/4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	37.07	8.79
23 05 29 00-0189	EA		1-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	41.65	8.93
23 05 29 00-0190	EA		2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	43.22	9.08
23 05 29 00-0191	EA		2-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	48.26	9.36
23 05 29 00-0192	EA		3" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	53.43	9.63

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-0193	EA	3-1/2" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	64.92	9.77
23 05 29 00-0194	EA	4" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	70.96	12.57
23 05 29 00-0195	EA	5" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	94.36	16.76
23 05 29 00-0196	EA	6" Copper Tubing Riser Clamp (Cooper B-Line B3373CT).....	120.28	20.95
<b>23 05 29 00-0197</b>		<b>Two Bolt Steel Underground Clamp (Cooper B-Line B3132) (23 05 29 00-0134)</b>		
		Note: Type 42		
23 05 29 00-0198	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	79.30	9.77
		<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-0199	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	84.30	10.48
		<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0200	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	92.37	11.17
		<i>For Work In Restricted Working Space, Add</i>	6.70	
23 05 29 00-0201	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	98.25	11.17
		<i>For Work In Restricted Working Space, Add</i>	6.68	
23 05 29 00-0202	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	118.42	12.57
		<i>For Work In Restricted Working Space, Add</i>	7.53	
23 05 29 00-0203	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	355.95	13.97
		<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0204	EA	16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	475.95	16.76
		<i>For Work In Restricted Working Space, Add</i>	10.05	
23 05 29 00-0205	EA	18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	566.94	19.55
		<i>For Work In Restricted Working Space, Add</i>	11.73	
23 05 29 00-0206	EA	20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	822.33	20.95
		<i>For Work In Restricted Working Space, Add</i>	12.57	
23 05 29 00-0207	EA	24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132).....	1,130.31	22.35
		<i>For Work In Restricted Working Space, Add</i>	13.40	
<b>23 05 29 00-0208</b>		<b>Four Bolt Steel Underground Clamp (Cooper B-Line B3134) (23 05 29 00-0134)</b>		
23 05 29 00-0209	EA	4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	73.55	9.77
		<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-0210	EA	6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	79.36	10.48
		<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0211	EA	8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	135.28	11.17
		<i>For Work In Restricted Working Space, Add</i>	6.70	
23 05 29 00-0212	EA	10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	149.83	11.17
		<i>For Work In Restricted Working Space, Add</i>	6.68	
23 05 29 00-0213	EA	12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	213.52	12.57
		<i>For Work In Restricted Working Space, Add</i>	7.53	
23 05 29 00-0214	EA	14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	324.91	13.97
		<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0215	EA	16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	434.91	16.76
		<i>For Work In Restricted Working Space, Add</i>	10.05	
23 05 29 00-0216	EA	18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	517.46	19.55
		<i>For Work In Restricted Working Space, Add</i>	11.73	
23 05 29 00-0217	EA	20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	752.83	20.95
		<i>For Work In Restricted Working Space, Add</i>	12.57	
23 05 29 00-0218	EA	24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134).....	1,027.44	22.35
		<i>For Work In Restricted Working Space, Add</i>	13.40	
<b>23 05 29 00-0219</b>		<b>Split Pipe Clamps And Rings (23 05 29 00-0001)</b>		
<b>23 05 29 00-0220</b>		<b>Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) (23 05 29 00-0219)</b>		
		Note: Type 6.		
23 05 29 00-0221	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	37.24	12.81
		<i>For Work In Restricted Working Space, Add</i>	7.69	
23 05 29 00-0222	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171).....	39.45	13.57
		<i>For Work In Restricted Working Space, Add</i>	8.14	
23 05 29 00-0223	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171).....	43.04	15.08
		<i>For Work In Restricted Working Space, Add</i>	9.05	
23 05 29 00-0224	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	46.18	15.83
		<i>For Work In Restricted Working Space, Add</i>	9.50	
23 05 29 00-0225	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171).....	49.64	16.58
		<i>For Work In Restricted Working Space, Add</i>	9.95	
23 05 29 00-0226	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171).....	59.76	17.34
		<i>For Work In Restricted Working Space, Add</i>	10.40	
23 05 29 00-0227	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171).....	65.14	18.09
		<i>For Work In Restricted Working Space, Add</i>	10.85	
23 05 29 00-0228	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171).....	84.88	20.35
		<i>For Work In Restricted Working Space, Add</i>	12.21	
23 05 29 00-0229	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171).....	107.82	25.63
		<i>For Work In Restricted Working Space, Add</i>	15.38	
23 05 29 00-0230	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171).....	142.16	30.15
		<i>For Work In Restricted Working Space, Add</i>	18.09	
<b>23 05 29 00-0231</b>		<b>Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) (23 05 29 00-0219)</b>		
		Note: Type 11.		
23 05 29 00-0232	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	25.42	10.61
		<i>For Work In Restricted Working Space, Add</i>	6.50	
23 05 29 00-0233	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	26.76	10.61
		<i>For Work In Restricted Working Space, Add</i>	6.79	
23 05 29 00-0234	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R).....	29.54	13.65
		<i>For Work In Restricted Working Space, Add</i>	7.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0235	EA		1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) ..... <i>For Work In Restricted Working Space, Add</i>	31.91 7.98	13.65
23 05 29 00-0236	EA		1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) ..... <i>For Work In Restricted Working Space, Add</i>	35.13 8.27	13.65
23 05 29 00-0237	EA		2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	40.61 9.10	15.16
23 05 29 00-0238	EA		2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) ..... <i>For Work In Restricted Working Space, Add</i>	52.11 9.48	15.16
23 05 29 00-0239	EA		3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	57.43 9.89	16.68
23 05 29 00-0240	EA		4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)..... <i>For Work In Restricted Working Space, Add</i>	61.37 10.83	18.19
<b>23 05 29 00-0241</b>			<b>Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) (23 05 29 00-0219)</b> Note: Type 12.		
23 05 29 00-0242	EA		1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	25.42 6.50	10.61
23 05 29 00-0243	EA		3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	26.76 6.79	11.37
23 05 29 00-0244	EA		1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	29.54 7.58	12.89
23 05 29 00-0245	EA		1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	31.91 7.98	13.65
23 05 29 00-0246	EA		1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	35.13 8.27	13.65
23 05 29 00-0247	EA		2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	40.61 9.10	15.16
23 05 29 00-0248	EA		2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	52.11 9.48	15.92
23 05 29 00-0249	EA		3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)..... <i>For Work In Restricted Working Space, Add</i>	57.43 9.89	16.68
<b>23 05 29 00-0250</b>			<b>Pipe Straps (23 05 29 00-0001)</b>		
<b>23 05 29 00-0251</b>			<b>Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) (23 05 29 00-0250)</b>		
23 05 29 00-0252	EA		1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	17.38 4.55	7.58
23 05 29 00-0253	EA		3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	18.19 4.79	9.10
23 05 29 00-0254	EA		1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	19.07 5.06	9.10
23 05 29 00-0255	EA		1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	20.17 5.35	9.10
23 05 29 00-0256	EA		1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	21.36 5.69	10.61
23 05 29 00-0257	EA		2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	24.17 6.07	10.61
23 05 29 00-0258	EA		2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	28.80 6.50	10.61
23 05 29 00-0259	EA		3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	35.83 7.00	10.61
23 05 29 00-0260	EA		4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	42.35 8.19	13.65
23 05 29 00-0261	EA		6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	51.08 9.10	15.16
23 05 29 00-0262	EA		8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180) ..... <i>For Work In Restricted Working Space, Add</i>	62.59 10.01	16.68
<b>23 05 29 00-0263</b>			<b>Two Hole Copper-Clad Pipe Straps (23 05 29 00-0250)</b>		
23 05 29 00-0264	EA		1/2" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	8.22 2.27	
23 05 29 00-0265	EA		3/4" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	8.71 2.39	
23 05 29 00-0266	EA		1" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	9.65 2.50	
23 05 29 00-0267	EA		1-1/4" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	10.62 2.62	
23 05 29 00-0268	EA		1-1/2" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	11.36 2.73	
23 05 29 00-0269	EA		2" Two Hole Copper-Clad Pipe Strap ..... <i>For Work In Restricted Working Space, Add</i>	12.33 2.96	
<b>23 05 29 00-0270</b>			<b>One Hole Galvanized Steel Pipe Straps (23 05 29 00-0250)</b>		
23 05 29 00-0271	EA		1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	3.52 0.76	
23 05 29 00-0272	EA		3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	4.11 0.81	
23 05 29 00-0273	EA		1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)..... <i>For Work In Restricted Working Space, Add</i>	4.41 0.87	
23 05 29 00-0274	EA		1-1/4" Galvanized Steel Strap, 1 Hole ..... <i>For Work In Restricted Working Space, Add</i>	4.75 0.95	
23 05 29 00-0275	EA		1-1/2" Galvanized Steel Strap, 1 Hole ..... <i>For Work In Restricted Working Space, Add</i>	5.12 1.04	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-0276	EA	2" Galvanized Steel Strap, 1 Hole.....	5.70	
		<i>For Work In Restricted Working Space, Add</i>	1.14	
<b>23 05 29 00-0277</b>		<b>Pipe and Equipment Support Brackets</b> (23 05 29 00-0001)		
<b>23 05 29 00-0278</b>		<b>Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068)</b> (23 05 29 00-0277) Note: Up to 750# load.		
23 05 29 00-0279	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) .....	133.10	16.76
		<i>For Galvanized, Add</i>	19.92	
		<i>For Work In Restricted Working Space, Add</i>	10.05	
23 05 29 00-0280	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) .....	134.92	16.76
		<i>For Galvanized, Add</i>	20.28	
		<i>For Work In Restricted Working Space, Add</i>	10.05	
23 05 29 00-0281	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068) .....	142.13	16.76
		<i>For Galvanized, Add</i>	21.72	
		<i>For Work In Restricted Working Space, Add</i>	10.05	
<b>23 05 29 00-0282</b>		<b>Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066)</b> (23 05 29 00-0277) Note: Up to 1500# load.		
23 05 29 00-0283	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	309.08	16.76
		<i>For Galvanized, Add</i>	55.11	
		<i>For Work In Restricted Working Space, Add</i>	10.05	
23 05 29 00-0284	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	360.88	16.76
		<i>For Galvanized, Add</i>	65.47	
		<i>For Work In Restricted Working Space, Add</i>	10.05	
23 05 29 00-0285	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066).....	466.52	16.76
		<i>For Galvanized, Add</i>	86.60	
		<i>For Work In Restricted Working Space, Add</i>	10.05	
<b>23 05 29 00-0286</b>		<b>Pipe Alignment Guide</b> (23 05 29 00-0001)		
<b>23 05 29 00-0287</b>		<b>Pipe Alignment Guide, 1" Insulation</b> (23 05 29 00-0286)		
23 05 29 00-0288	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2) .....	569.97	26.53
23 05 29 00-0289	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4) .....	571.38	27.23
23 05 29 00-0290	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1) .....	572.77	27.92
23 05 29 00-0291	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4).....	574.16	28.63
23 05 29 00-0292	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2).....	625.91	29.33
23 05 29 00-0293	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2).....	639.33	32.12
23 05 29 00-0294	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2).....	641.43	33.17
23 05 29 00-0295	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3).....	643.51	34.22
23 05 29 00-0296	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4).....	681.11	36.30
23 05 29 00-0297	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5).....	795.46	46.09
23 05 29 00-0298	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6).....	815.02	55.86
23 05 29 00-0299	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8).....	920.77	69.83
23 05 29 00-0300	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10).....	1,688.09	83.78
23 05 29 00-0301	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12).....	2,564.11	111.72
23 05 29 00-0302	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14).....	3,155.99	139.64
23 05 29 00-0303	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16).....	3,793.68	156.40
23 05 29 00-0304	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18).....	4,093.67	174.55
23 05 29 00-0305	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20).....	4,355.12	199.69
23 05 29 00-0306	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24).....	5,473.91	209.47
<b>23 05 29 00-0307</b>		<b>Pipe Alignment Guide, 1-1/2" Insulation</b> (23 05 29 00-0286)		
23 05 29 00-0308	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2).....	571.38	27.23
23 05 29 00-0309	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4).....	623.12	27.92
23 05 29 00-0310	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1).....	624.51	28.63
23 05 29 00-0311	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4).....	625.91	29.33
23 05 29 00-0312	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2).....	627.30	30.02
23 05 29 00-0313	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2).....	640.72	32.82
23 05 29 00-0314	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2).....	642.82	33.86
23 05 29 00-0315	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3).....	678.32	34.91
23 05 29 00-0316	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4).....	682.50	37.01
23 05 29 00-0317	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5).....	797.56	47.14
23 05 29 00-0318	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6).....	817.81	57.25
23 05 29 00-0319	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8).....	924.27	71.57
23 05 29 00-0320	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10).....	1,692.28	85.88
23 05 29 00-0321	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12).....	2,569.70	114.51
23 05 29 00-0322	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14).....	3,162.97	143.14
23 05 29 00-0323	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16).....	3,802.06	160.60
23 05 29 00-0324	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18).....	4,102.05	178.75
23 05 29 00-0325	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20).....	4,364.89	204.59
23 05 29 00-0326	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24).....	5,484.39	214.70
<b>23 05 29 00-0327</b>		<b>Pipe Alignment Guide, 2" Insulation</b> (23 05 29 00-0286)		
23 05 29 00-0328	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2) .....	623.12	27.92
23 05 29 00-0329	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4) .....	632.34	28.63
23 05 29 00-0330	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1) .....	633.74	29.33
23 05 29 00-0331	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4).....	635.13	30.02
23 05 29 00-0332	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2).....	636.54	30.72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0333	EA		2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2).....	675.52	33.51
23 05 29 00-0334	EA		2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2).....	678.32	34.91
23 05 29 00-0335	EA		3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3).....	680.06	35.78
23 05 29 00-0336	EA		4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4).....	778.71	37.71
23 05 29 00-0337	EA		5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5).....	799.66	48.17
23 05 29 00-0338	EA		6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6).....	898.43	58.65
23 05 29 00-0339	EA		8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8).....	1,013.95	73.31
23 05 29 00-0340	EA		10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10).....	1,696.48	87.98
23 05 29 00-0341	EA		12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12).....	2,575.29	117.30
23 05 29 00-0342	EA		14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14).....	3,169.96	146.63
23 05 29 00-0343	EA		16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16).....	3,810.13	164.62
23 05 29 00-0344	EA		18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18).....	4,111.12	183.29
23 05 29 00-0345	EA		20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20).....	4,374.66	209.47
23 05 29 00-0346	EA		24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24).....	5,494.87	219.94
<b>23 05 29 00-0347</b>			<b>Pipe Alignment Guide, 2-1/2" Insulation (23 05 29 00-0286)</b>		
23 05 29 00-0348	EA		1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2).....	632.34	28.63
23 05 29 00-0349	EA		3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4).....	667.14	29.33
23 05 29 00-0350	EA		1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1).....	668.53	30.02
23 05 29 00-0351	EA		1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4).....	669.94	30.72
23 05 29 00-0352	EA		1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2).....	671.33	31.42
23 05 29 00-0353	EA		2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2).....	676.91	34.22
23 05 29 00-0354	EA		2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2).....	680.06	35.78
23 05 29 00-0355	EA		3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3).....	776.61	36.66
23 05 29 00-0356	EA		4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4).....	780.10	38.40
23 05 29 00-0357	EA		5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5).....	878.88	48.88
23 05 29 00-0358	EA		6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6).....	901.23	60.04
23 05 29 00-0359	EA		8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8).....	1,670.64	75.06
23 05 29 00-0360	EA		10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10).....	2,520.82	90.08
23 05 29 00-0361	EA		12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12).....	3,116.89	120.10
23 05 29 00-0362	EA		14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14).....	3,177.47	150.12
23 05 29 00-0363	EA		16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16).....	3,818.82	168.97
23 05 29 00-0364	EA		18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18).....	4,120.20	187.82
23 05 29 00-0365	EA		20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20).....	4,385.14	214.70
23 05 29 00-0366	EA		24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24).....	5,506.03	225.53
<b>23 05 29 00-0367</b>			<b>Pipe Alignment Guide, 3" Insulation (23 05 29 00-0286)</b>		
23 05 29 00-0368	EA		1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2).....	667.14	29.33
23 05 29 00-0369	EA		3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4).....	668.53	30.02
23 05 29 00-0370	EA		1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1).....	669.94	30.72
23 05 29 00-0371	EA		1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4).....	671.33	31.42
23 05 29 00-0372	EA		1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2).....	672.73	32.12
23 05 29 00-0373	EA		2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2).....	773.13	34.91
23 05 29 00-0374	EA		2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2).....	776.61	36.66
23 05 29 00-0375	EA		3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3).....	778.71	37.71
23 05 29 00-0376	EA		4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4).....	859.89	39.38
23 05 29 00-0377	EA		5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5).....	881.67	50.27
23 05 29 00-0378	EA		6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6).....	990.21	61.45
23 05 29 00-0379	EA		8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8).....	1,674.13	76.80
23 05 29 00-0380	EA		10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10).....	2,525.02	92.16
23 05 29 00-0381	EA		12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12).....	3,122.48	122.89
23 05 29 00-0382	EA		14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14).....	3,184.45	153.61
23 05 29 00-0383	EA		16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16).....	3,827.20	173.16
23 05 29 00-0384	EA		18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18).....	4,128.58	192.01
23 05 29 00-0385	EA		20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20).....	4,395.62	219.94
23 05 29 00-0386	EA		24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24).....	5,517.21	231.12
<b>23 05 29 00-0387</b>			<b>Pipe Alignment Guide, 3-1/2" Insulation (23 05 29 00-0286)</b>		
23 05 29 00-0388	EA		1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2).....	668.53	30.02
23 05 29 00-0389	EA		3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4).....	764.75	30.72
23 05 29 00-0390	EA		1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1).....	766.14	31.42
23 05 29 00-0391	EA		1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4).....	767.54	32.12
23 05 29 00-0392	EA		1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2).....	768.93	32.82
23 05 29 00-0393	EA		2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2).....	774.87	35.78
23 05 29 00-0394	EA		2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2).....	778.43	37.56
23 05 29 00-0395	EA		3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3).....	858.43	38.64
23 05 29 00-0396	EA		4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4).....	862.13	40.50
23 05 29 00-0397	EA		5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5).....	970.66	51.67
23 05 29 00-0398	EA		6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6).....	1,646.20	62.84
23 05 29 00-0399	EA		8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8).....	2,497.78	78.55
23 05 29 00-0400	EA		10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10).....	3,066.17	94.47
23 05 29 00-0401	EA		12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12).....	3,732.24	125.68
23 05 29 00-0402	EA		14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14).....	3,795.78	157.45
23 05 29 00-0403	EA		16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16).....	4,111.68	177.35
23 05 29 00-0404	EA		18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18).....	4,349.53	196.90
23 05 29 00-0405	EA		20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20).....	5,504.64	224.82
<b>23 05 29 00-0406</b>			<b>Pipe Alignment Guide, 4" Insulation (23 05 29 00-0286)</b>		
23 05 29 00-0407	EA		1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2).....	764.75	30.72
23 05 29 00-0408	EA		3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4).....	766.14	31.42
23 05 29 00-0409	EA		1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1).....	767.54	32.12

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0410	EA		1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4).....	768.93	32.82
23 05 29 00-0411	EA		1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2).....	770.33	33.51
23 05 29 00-0412	EA		2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2).....	854.44	36.66
23 05 29 00-0413	EA		2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2).....	857.93	38.40
23 05 29 00-0414	EA		3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3).....	860.31	39.59
23 05 29 00-0415	EA		4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4).....	950.41	41.55
23 05 29 00-0416	EA		5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5).....	1,626.65	53.06
23 05 29 00-0417	EA		6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6).....	1,649.00	64.24
23 05 29 00-0418	EA		8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8).....	2,501.28	80.29
23 05 29 00-0419	EA		10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10).....	3,071.34	97.05
23 05 29 00-0420	EA		12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12).....	3,738.53	128.82
23 05 29 00-0421	EA		14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14).....	4,065.73	160.60
23 05 29 00-0422	EA		16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16).....	4,318.80	181.54
23 05 29 00-0423	EA		18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18).....	5,459.96	202.49
<b>23 05 29 00-0424 Sway Bracing For No Hub Pipe (23 05 29 00-0001)</b>					
23 05 29 00-0425	EA		1-1/2" Sway Bracing.....	163.55	18.43
			<i>For Work In Restricted Working Space, Add</i>	11.03	
23 05 29 00-0426	EA		2" Sway Bracing.....	168.62	19.41
			<i>For Work In Restricted Working Space, Add</i>	11.64	
23 05 29 00-0427	EA		3" Sway Bracing.....	174.74	20.53
			<i>For Work In Restricted Working Space, Add</i>	12.32	
23 05 29 00-0428	EA		4" Sway Bracing.....	198.34	23.33
			<i>For Work In Restricted Working Space, Add</i>	13.97	
23 05 29 00-0429	EA		6" Sway Bracing.....	291.18	34.91
			<i>For Work In Restricted Working Space, Add</i>	20.95	
23 05 29 00-0430	EA		8" Sway Bracing.....	323.66	43.57
			<i>For Work In Restricted Working Space, Add</i>	26.18	
23 05 29 00-0431	EA		10" Sway Bracing.....	366.90	58.23
			<i>For Work In Restricted Working Space, Add</i>	34.91	
<b>23 05 29 00-0432 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) (23 05 29 00-0001)</b>					
Note: Heights listed is total for base and adjustable saddle					
23 05 29 00-0433	EA		23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	358.47	13.97
			<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0434	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	366.64	15.36
			<i>For Work In Restricted Working Space, Add</i>	9.22	
23 05 29 00-0435	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	710.66	17.46
			<i>For Work In Restricted Working Space, Add</i>	10.47	
23 05 29 00-0436	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	873.72	19.55
			<i>For Work In Restricted Working Space, Add</i>	11.73	
23 05 29 00-0437	EA		24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	885.27	21.64
			<i>For Work In Restricted Working Space, Add</i>	12.99	
23 05 29 00-0438	EA		25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	971.75	24.43
			<i>For Work In Restricted Working Space, Add</i>	14.66	
23 05 29 00-0439	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,161.20	26.53
			<i>For Work In Restricted Working Space, Add</i>	15.92	
23 05 29 00-0440	EA		25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,175.09	28.63
			<i>For Work In Restricted Working Space, Add</i>	17.18	
23 05 29 00-0441	EA		26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,192.89	31.42
			<i>For Work In Restricted Working Space, Add</i>	18.85	
23 05 29 00-0442	EA		28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,241.56	34.22
			<i>For Work In Restricted Working Space, Add</i>	20.53	
23 05 29 00-0443	EA		29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,328.46	37.71
			<i>For Work In Restricted Working Space, Add</i>	22.62	
23 05 29 00-0444	EA		30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,368.25	41.89
			<i>For Work In Restricted Working Space, Add</i>	25.13	
23 05 29 00-0445	EA		32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,667.29	46.09
			<i>For Work In Restricted Working Space, Add</i>	27.65	
23 05 29 00-0446	EA		33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	1,816.02	51.67
			<i>For Work In Restricted Working Space, Add</i>	31.00	
23 05 29 00-0447	EA		35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	2,566.95	57.25
			<i>For Work In Restricted Working Space, Add</i>	34.35	
23 05 29 00-0448	EA		36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,147.86	62.84
			<i>For Work In Restricted Working Space, Add</i>	37.70	
23 05 29 00-0449	EA		39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle).....	3,765.95	68.42
			<i>For Work In Restricted Working Space, Add</i>	41.06	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 05 29 00-0450</b> Rooftop Pipe Supports <small>(23 05 29 00-0001)</small> Note: Excludes pipe/conduit clamps and straps.		
<b>23 05 29 00-0451</b> Rooftop Support Base <small>(23 05 29 00-0450)</small>		
23 05 29 00-0452 EA 4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM) .....	48.01	11.37
23 05 29 00-0453 EA 4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP) .....	66.77	15.16
<b>23 05 29 00-0454</b> Rooftop Support Base With 14 Gauge Galvanized Channel <small>(23 05 29 00-0450)</small>		
23 05 29 00-0455 EA 5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5) .....	54.30	11.37
23 05 29 00-0456 EA 5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10) .....	76.99	15.16
23 05 29 00-0457 EA 5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20) .....	140.68	18.96
23 05 29 00-0458 EA 5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30) .....	193.87	22.75
23 05 29 00-0459 EA 5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40) .....	267.67	26.54
23 05 29 00-0460 EA 5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48) .....	282.67	30.33
<b>23 05 29 00-0461</b> Rooftop Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0450)</small>		
23 05 29 00-0462 EA 6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610) .....	93.69	15.16
23 05 29 00-0463 EA 6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620) .....	148.13	18.96
23 05 29 00-0464 EA 6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630) .....	196.85	22.75
23 05 29 00-0465 EA 6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640) .....	267.83	26.54
23 05 29 00-0466 EA 6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648) .....	300.14	22.75
<b>23 05 29 00-0467</b> Rooftop Bridge Support Base With 12 Gauge Galvanized Channel <small>(23 05 29 00-0450)</small>		
23 05 29 00-0468 EA 5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28) .....	156.48	22.75
23 05 29 00-0469 EA 5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36) .....	178.33	26.54
23 05 29 00-0470 EA 5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42) .....	185.85	30.33
23 05 29 00-0471 EA 5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50) .....	203.57	34.12
23 05 29 00-0472 EA 5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60) .....	259.59	37.91
<b>23 05 29 00-0473</b> Rooftop Pipe Support Base And Rod <small>(23 05 29 00-0450)</small>		
23 05 29 00-0474 EA 9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT) .....	113.46	15.16
23 05 29 00-0475 EA 9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT) .....	113.46	15.16
23 05 29 00-0476 EA 9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT) .....	114.09	15.16
23 05 29 00-0477 EA 10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT) .....	122.31	18.96
23 05 29 00-0478 EA 10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT) .....	117.74	18.96
23 05 29 00-0479 EA 10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT) .....	123.60	18.96
<b>23 05 29 00-0480</b> Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly <small>(23 05 29 00-0450)</small>		
23 05 29 00-0481 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2) .....	143.38	15.16
23 05 29 00-0482 EA 7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6) .....	159.79	15.16
23 05 29 00-0483 EA 8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10) .....	209.31	18.96
23 05 29 00-0484 EA 9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14) .....	276.37	18.96
23 05 29 00-0485 EA 9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20) .....	375.97	18.96
<b>23 05 29 00-0486</b> Rooftop Support Base And Adjustable Height Roller Assembly <small>(23 05 29 00-0450)</small> Note: Includes base, two zinc all threaded rod risers and pipe roller.		
23 05 29 00-0487 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12) .....	179.21	22.75
<b>23 05 29 00-0488</b> Rooftop Support Base And Adjustable Height Channel Assembly <small>(23 05 29 00-0450)</small> Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.		
23 05 29 00-0489 EA Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8) .....	118.04	18.96
23 05 29 00-0490 EA Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12) .....	160.46	22.75
23 05 29 00-0491 EA Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16) .....	179.10	26.54
<b>23 05 29 00-0492</b> Rooftop Support Bases With Channel Support And Risers Assembly <small>(23 05 29 00-0450)</small> Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).		
23 05 29 00-0493 EA 23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS) .....	427.89	30.33



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0494	EA		29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS) .....	432.61	30.33
23 05 29 00-0495	EA		41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS) .....	449.17	30.33
23 05 29 00-0496	EA		53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS) .....	487.18	30.33
23 05 29 00-0497	EA		23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS) .....	419.47	30.33
23 05 29 00-0498	EA		29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS) .....	435.31	30.33
23 05 29 00-0499	EA		41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS) .....	451.87	30.33
23 05 29 00-0500	EA		53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS) .....	489.86	30.33
23 05 29 00-0501	EA		23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS) .....	438.30	30.33
23 05 29 00-0502	EA		29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS) .....	443.83	30.33
23 05 29 00-0503	EA		41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS) .....	460.06	30.33
23 05 29 00-0504	EA		53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS) .....	498.23	30.33
23 05 29 00-0505	EA		23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS) .....	457.54	30.33
23 05 29 00-0506	EA		29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS) .....	462.58	30.33
23 05 29 00-0507	EA		41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS) .....	478.82	30.33
23 05 29 00-0508	EA		53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS) .....	516.98	30.33
<b>23 05 29 00-0509</b>			<b>Threaded Rod, Accessories And Attachments</b> (23 05 29)		
<b>23 05 29 00-0510</b>			<b>Threaded Rod And Rod Accessories</b> (23 05 29 00-0509)		
<b>23 05 29 00-0511</b>			<b>Threaded Rod</b> (23 05 29 00-0510) Note: Fully threaded.		
23 05 29 00-0512	LF		3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	4.89	0.96
			For Galvanized, Add	1.20	
			For Zinc Plated, Add	0.86	
			For Work In Restricted Working Space, Add	0.57	
23 05 29 00-0513	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	6.79	1.02
			For Galvanized, Add	1.91	
			For Zinc Plated, Add	1.36	
			For Work In Restricted Working Space, Add	0.61	
23 05 29 00-0514	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	9.48	1.04
			For Galvanized, Add	2.96	
			For Zinc Plated, Add	2.11	
			For Work In Restricted Working Space, Add	0.63	
23 05 29 00-0515	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	15.58	1.07
			For Galvanized, Add	5.37	
			For Zinc Plated, Add	3.83	
			For Work In Restricted Working Space, Add	0.65	
23 05 29 00-0516	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	16.98	1.11
			For Galvanized, Add	5.90	
			For Zinc Plated, Add	4.21	
			For Work In Restricted Working Space, Add	0.67	
23 05 29 00-0517	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	23.24	1.25
			For Galvanized, Add	8.29	
			For Zinc Plated, Add	5.91	
			For Work In Restricted Working Space, Add	0.76	
23 05 29 00-0518	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod .....	28.93	1.40
			For Galvanized, Add	10.46	
			For Zinc Plated, Add	7.45	
			For Work In Restricted Working Space, Add	0.84	
<b>23 05 29 00-0519</b>			<b>Rod Couplings</b> (23 05 29 00-0510)		
23 05 29 00-0520	EA		3/8" Diameter, Threaded Rod Coupling Nut .....	11.13	
			For Work In Restricted Working Space, Add	2.79	
23 05 29 00-0521	EA		1/2" Diameter, Threaded Rod Coupling Nut .....	12.61	
			For Work In Restricted Working Space, Add	3.10	
23 05 29 00-0522	EA		5/8" Diameter, Threaded Rod Coupling Nut .....	15.63	
			For Work In Restricted Working Space, Add	3.48	
23 05 29 00-0523	EA		3/4" Diameter, Threaded Rod Coupling Nut .....	18.95	
			For Work In Restricted Working Space, Add	3.80	
23 05 29 00-0524	EA		7/8" Diameter, Threaded Rod Coupling Nut .....	27.47	
			For Work In Restricted Working Space, Add	4.18	
23 05 29 00-0525	EA		1" Diameter, Threaded Rod Coupling Nut .....	32.58	
			For Work In Restricted Working Space, Add	4.91	
23 05 29 00-0526	EA		1-1/8" Diameter, Threaded Rod Coupling Nut .....	61.46	
			For Work In Restricted Working Space, Add	5.57	
<b>23 05 29 00-0527</b>			<b>Flat Washers</b> (23 05 29 00-0510) Note: Zinc plated.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0528	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	0.79	0.30
			<i>For Galvanized, Add</i>	0.04	
			<i>For Work In Restricted Working Space, Add</i>	0.19	
23 05 29 00-0529	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.06	0.30
			<i>For Galvanized, Add</i>	0.09	
			<i>For Work In Restricted Working Space, Add</i>	0.22	
23 05 29 00-0530	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	1.50	0.45
			<i>For Galvanized, Add</i>	0.17	
			<i>For Work In Restricted Working Space, Add</i>	0.25	
23 05 29 00-0531	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.03	0.45
			<i>For Galvanized, Add</i>	0.24	
			<i>For Work In Restricted Working Space, Add</i>	0.32	
23 05 29 00-0532	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.39	0.60
			<i>For Galvanized, Add</i>	0.28	
			<i>For Work In Restricted Working Space, Add</i>	0.38	
23 05 29 00-0533	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	2.79	0.60
			<i>For Galvanized, Add</i>	0.35	
			<i>For Work In Restricted Working Space, Add</i>	0.42	
23 05 29 00-0534	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer.....	3.14	0.76
			<i>For Galvanized, Add</i>	0.39	
			<i>For Work In Restricted Working Space, Add</i>	0.47	
<b>23 05 29 00-0535</b>			<b>Hex Nuts</b> <small>(23 05 29 00-0510)</small>		
			Note: Grade 2 and zinc plated.		
23 05 29 00-0536	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	0.99	0.38
			<i>For Galvanized, Add</i>	0.03	
			<i>For Work In Restricted Working Space, Add</i>	0.26	
23 05 29 00-0537	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.24	0.37
			<i>For Galvanized, Add</i>	0.07	
			<i>For Work In Restricted Working Space, Add</i>	0.29	
23 05 29 00-0538	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.66	0.37
			<i>For Galvanized, Add</i>	0.17	
			<i>For Work In Restricted Working Space, Add</i>	0.30	
23 05 29 00-0539	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	1.94	0.76
			<i>For Galvanized, Add</i>	0.22	
			<i>For Work In Restricted Working Space, Add</i>	0.32	
23 05 29 00-0540	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	2.79	0.76
			<i>For Galvanized, Add</i>	0.42	
			<i>For Work In Restricted Working Space, Add</i>	0.33	
23 05 29 00-0541	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	3.53	0.76
			<i>For Galvanized, Add</i>	0.57	
			<i>For Work In Restricted Working Space, Add</i>	0.38	
23 05 29 00-0542	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut.....	5.70	0.76
			<i>For Galvanized, Add</i>	1.08	
			<i>For Work In Restricted Working Space, Add</i>	0.42	
<b>23 05 29 00-0543</b>			<b>Turnbuckle (Cooper B-Line B3202)</b> <small>(23 05 29 00-0510)</small>		
			Note: Type 13.		
23 05 29 00-0544	EA		3/8" Turnbuckle (Cooper B-Line B3202).....	31.37	7.58
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 05 29 00-0545	EA		1/2" Turnbuckle (Cooper B-Line B3202).....	37.01	8.34
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0546	EA		5/8" Turnbuckle (Cooper B-Line B3202).....	39.96	9.07
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 05 29 00-0547	EA		3/4" Turnbuckle (Cooper B-Line B3202).....	49.81	10.58
			<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 29 00-0548	EA		7/8" Turnbuckle (Cooper B-Line B3202).....	63.87	11.33
			<i>For Work In Restricted Working Space, Add</i>	7.56	
23 05 29 00-0549	EA		1" Turnbuckle (Cooper B-Line B3202).....	79.06	12.09
			<i>For Work In Restricted Working Space, Add</i>	9.07	
23 05 29 00-0550	EA		1-1/8" Turnbuckle (Cooper B-Line B3202).....	108.76	13.60
			<i>For Work In Restricted Working Space, Add</i>	11.33	
<b>23 05 29 00-0551</b>			<b>Swivel Turnbuckle (Cooper B-Line B3224)</b> <small>(23 05 29 00-0510)</small>		
			Note: Type 15.		
23 05 29 00-0552	EA		3/8" Swivel Turnbuckle (Cooper B-Line B3224).....	21.13	7.58
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 05 29 00-0553	EA		1/2" Swivel Turnbuckle (Cooper B-Line B3224).....	24.29	8.49
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0554	EA		5/8" Swivel Turnbuckle (Cooper B-Line B3224).....	31.38	9.37
			<i>For Work In Restricted Working Space, Add</i>	5.67	
23 05 29 00-0555	EA		3/4" Swivel Turnbuckle (Cooper B-Line B3224).....	37.65	10.73
			<i>For Work In Restricted Working Space, Add</i>	6.48	
<b>23 05 29 00-0556</b>			<b>Forged Steel Clevis (Cooper B-Line B3201)</b> <small>(23 05 29 00-0510)</small>		
			Note: Type 14.		
23 05 29 00-0557	EA		3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201).....	99.47	13.97
			<i>For Work In Restricted Working Space, Add</i>	8.38	
23 05 29 00-0558	EA		4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201).....	144.09	14.66
			<i>For Work In Restricted Working Space, Add</i>	8.82	
23 05 29 00-0559	EA		5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201).....	155.67	15.36
			<i>For Work In Restricted Working Space, Add</i>	9.31	
23 05 29 00-0560	EA		5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201).....	162.23	16.76
			<i>For Work In Restricted Working Space, Add</i>	9.86	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 29 00-0561	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201) .....	171.34	18.85
		<i>For Work In Restricted Working Space, Add</i>	11.17	
23 05 29 00-0562	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201) .....	282.56	24.43
		<i>For Work In Restricted Working Space, Add</i>	14.66	
23 05 29 00-0563	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201) .....	307.31	27.92
		<i>For Work In Restricted Working Space, Add</i>	16.76	
23 05 29 00-0564	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201).....	363.17	34.91
		<i>For Work In Restricted Working Space, Add</i>	20.95	

**23 05 29 00-0565 Welded Eye Rod (Cooper B-Line B3211) (23 05 29 00-0510)**

23 05 29 00-0566	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod .....	31.50	8.18
		<i>For Work In Restricted Working Space, Add</i>	4.93	
23 05 29 00-0567	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod .....	32.47	8.34
		<i>For Work In Restricted Working Space, Add</i>	5.02	
23 05 29 00-0568	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod .....	33.43	8.49
		<i>For Work In Restricted Working Space, Add</i>	5.12	
23 05 29 00-0569	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod .....	33.75	8.65
		<i>For Work In Restricted Working Space, Add</i>	5.21	
23 05 29 00-0570	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod .....	35.68	8.95
		<i>For Work In Restricted Working Space, Add</i>	5.40	
23 05 29 00-0571	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod .....	37.96	9.55
		<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0572	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod .....	39.55	10.01
		<i>For Work In Restricted Working Space, Add</i>	5.97	
23 05 29 00-0573	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod .....	42.47	10.46
		<i>For Work In Restricted Working Space, Add</i>	6.26	
23 05 29 00-0574	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod .....	44.72	10.92
		<i>For Work In Restricted Working Space, Add</i>	6.54	
23 05 29 00-0575	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod .....	46.99	11.37
		<i>For Work In Restricted Working Space, Add</i>	6.83	
23 05 29 00-0576	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod .....	41.04	9.07
		<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0577	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod .....	42.01	9.22
		<i>For Work In Restricted Working Space, Add</i>	5.54	
23 05 29 00-0578	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod .....	43.03	9.37
		<i>For Work In Restricted Working Space, Add</i>	5.64	
23 05 29 00-0579	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod .....	44.01	9.52
		<i>For Work In Restricted Working Space, Add</i>	5.74	
23 05 29 00-0580	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod .....	45.98	9.82
		<i>For Work In Restricted Working Space, Add</i>	5.94	
23 05 29 00-0581	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod .....	49.60	10.43
		<i>For Work In Restricted Working Space, Add</i>	6.24	
23 05 29 00-0582	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod .....	52.59	10.88
		<i>For Work In Restricted Working Space, Add</i>	6.54	
23 05 29 00-0583	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod .....	56.21	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.84	
23 05 29 00-0584	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod .....	59.16	11.94
		<i>For Work In Restricted Working Space, Add</i>	7.15	
23 05 29 00-0585	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod .....	62.15	12.39
		<i>For Work In Restricted Working Space, Add</i>	7.45	
23 05 29 00-0586	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod .....	54.33	10.12
		<i>For Work In Restricted Working Space, Add</i>	6.08	
23 05 29 00-0587	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod .....	55.97	10.28
		<i>For Work In Restricted Working Space, Add</i>	6.19	
23 05 29 00-0588	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod .....	57.64	10.43
		<i>For Work In Restricted Working Space, Add</i>	6.29	
23 05 29 00-0589	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod .....	58.66	10.73
		<i>For Work In Restricted Working Space, Add</i>	6.40	
23 05 29 00-0590	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod .....	61.31	11.03
		<i>For Work In Restricted Working Space, Add</i>	6.61	
23 05 29 00-0591	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod .....	65.62	11.49
		<i>For Work In Restricted Working Space, Add</i>	6.92	
23 05 29 00-0592	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod .....	69.94	12.09
		<i>For Work In Restricted Working Space, Add</i>	7.23	
23 05 29 00-0593	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod .....	73.59	12.54
		<i>For Work In Restricted Working Space, Add</i>	7.55	
23 05 29 00-0594	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod .....	77.91	13.15
		<i>For Work In Restricted Working Space, Add</i>	7.86	
23 05 29 00-0595	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod .....	82.22	13.60
		<i>For Work In Restricted Working Space, Add</i>	8.17	
23 05 29 00-0596	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod .....	66.25	11.49
		<i>For Work In Restricted Working Space, Add</i>	6.92	
23 05 29 00-0597	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod .....	68.57	11.64
		<i>For Work In Restricted Working Space, Add</i>	7.02	
23 05 29 00-0598	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod .....	70.24	11.94
		<i>For Work In Restricted Working Space, Add</i>	7.13	
23 05 29 00-0599	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod .....	72.56	12.09
		<i>For Work In Restricted Working Space, Add</i>	7.24	
23 05 29 00-0600	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod .....	76.55	12.39
		<i>For Work In Restricted Working Space, Add</i>	7.45	
23 05 29 00-0601	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod .....	82.20	13.00
		<i>For Work In Restricted Working Space, Add</i>	7.77	
23 05 29 00-0602	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod .....	87.84	13.45
		<i>For Work In Restricted Working Space, Add</i>	8.09	
23 05 29 00-0603	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod .....	94.17	14.06
		<i>For Work In Restricted Working Space, Add</i>	8.42	
23 05 29 00-0604	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod .....	100.45	14.51
		<i>For Work In Restricted Working Space, Add</i>	8.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0605	EA		3/4" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	106.12 9.06	15.12
23 05 29 00-0606	EA		7/8" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	79.09 8.02	13.30
23 05 29 00-0607	EA		7/8" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.08 8.13	13.60
23 05 29 00-0608	EA		7/8" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	84.43 8.24	13.75
23 05 29 00-0609	EA		7/8" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	86.76 8.36	13.91
23 05 29 00-0610	EA		7/8" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	91.45 8.58	14.36
23 05 29 00-0611	EA		7/8" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	99.11 8.92	14.81
23 05 29 00-0612	EA		7/8" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	106.10 9.25	15.42
23 05 29 00-0613	EA		7/8" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	113.76 9.59	16.02
23 05 29 00-0614	EA		7/8" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	120.78 9.92	16.48
23 05 29 00-0615	EA		7/8" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	127.78 10.25	17.08
23 05 29 00-0616	EA		1" Diameter x 8" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	98.68 9.57	16.02
23 05 29 00-0617	EA		1" Diameter x 10" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	101.72 9.70	16.17
23 05 29 00-0618	EA		1" Diameter x 12" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	104.76 9.83	16.33
23 05 29 00-0619	EA		1" Diameter x 14" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	107.79 9.95	16.63
23 05 29 00-0620	EA		1" Diameter x 18" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	113.84 10.20	17.08
23 05 29 00-0621	EA		1" Diameter x 24" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	122.97 10.58	17.69
23 05 29 00-0622	EA		1" Diameter x 30" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	132.10 10.96	18.28
23 05 29 00-0623	EA		1" Diameter x 36" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	141.83 11.33	18.89
23 05 29 00-0624	EA		1" Diameter x 42" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	150.94 11.71	19.49
23 05 29 00-0625	EA		1" Diameter x 48" Length Shank, Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	160.09 12.09	20.10
<b>23 05 29 00-0626</b>			<b>Welded Linked Eye Rod (Cooper B-Line B3211X)</b> <small>(23 05 29 00-0510)</small>		
23 05 29 00-0627	EA		3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	62.78 6.67	11.07
23 05 29 00-0628	EA		3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	64.49 6.86	11.37
23 05 29 00-0629	EA		3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	66.20 7.05	11.82
23 05 29 00-0630	EA		3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	67.16 7.34	12.29
23 05 29 00-0631	EA		3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	70.26 7.62	12.74
23 05 29 00-0632	EA		3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	74.37 8.19	13.65
23 05 29 00-0633	EA		3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	77.34 8.76	14.55
23 05 29 00-0634	EA		3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	82.52 9.32	15.62
23 05 29 00-0635	EA		1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	79.99 7.34	12.24
23 05 29 00-0636	EA		1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	81.74 7.55	12.54
23 05 29 00-0637	EA		1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	83.55 7.75	12.85
23 05 29 00-0638	EA		1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	85.64 8.05	13.45
23 05 29 00-0639	EA		1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	88.80 8.35	13.91
23 05 29 00-0640	EA		1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	95.18 8.96	14.96
23 05 29 00-0641	EA		1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	100.48 9.56	15.87
23 05 29 00-0642	EA		1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	106.86 10.16	16.93
23 05 29 00-0643	EA		5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	105.72 8.20	13.60
23 05 29 00-0644	EA		5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	108.56 8.41	14.06
23 05 29 00-0645	EA		5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	111.47 8.62	14.36
23 05 29 00-0646	EA		5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	113.61 8.93	14.96
23 05 29 00-0647	EA		5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	117.92 9.25	15.42
23 05 29 00-0648	EA		5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod <i>For Work In Restricted Working Space, Add</i>	125.46 9.87	16.48

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23 05 29 00-0649	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	132.99	17.54
		<i>For Work In Restricted Working Space, Add</i>	10.50	
23 05 29 00-0650	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	139.43	18.58
		<i>For Work In Restricted Working Space, Add</i>	11.12	
23 05 29 00-0651	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	132.76	15.42
		<i>For Work In Restricted Working Space, Add</i>	9.29	
23 05 29 00-0652	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	136.79	15.87
		<i>For Work In Restricted Working Space, Add</i>	9.50	
23 05 29 00-0653	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	139.67	16.17
		<i>For Work In Restricted Working Space, Add</i>	9.72	
23 05 29 00-0654	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	144.01	16.78
		<i>For Work In Restricted Working Space, Add</i>	10.04	
23 05 29 00-0655	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	150.55	17.23
		<i>For Work In Restricted Working Space, Add</i>	10.36	
23 05 29 00-0656	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	160.30	18.28
		<i>For Work In Restricted Working Space, Add</i>	11.00	
23 05 29 00-0657	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	170.08	19.34
		<i>For Work In Restricted Working Space, Add</i>	11.65	
23 05 29 00-0658	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	180.97	20.55
		<i>For Work In Restricted Working Space, Add</i>	12.29	
23 05 29 00-0659	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	159.13	17.84
		<i>For Work In Restricted Working Space, Add</i>	10.74	
23 05 29 00-0660	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	164.24	18.28
		<i>For Work In Restricted Working Space, Add</i>	10.96	
23 05 29 00-0661	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	168.26	18.58
		<i>For Work In Restricted Working Space, Add</i>	11.18	
23 05 29 00-0662	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	172.64	19.19
		<i>For Work In Restricted Working Space, Add</i>	11.52	
23 05 29 00-0663	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	180.34	19.79
		<i>For Work In Restricted Working Space, Add</i>	11.86	
23 05 29 00-0664	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	193.47	20.85
		<i>For Work In Restricted Working Space, Add</i>	12.53	
23 05 29 00-0665	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	205.52	22.06
		<i>For Work In Restricted Working Space, Add</i>	13.20	
23 05 29 00-0666	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	218.65	23.12
		<i>For Work In Restricted Working Space, Add</i>	13.87	
23 05 29 00-0667	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod.....	201.96	21.31
		<i>For Work In Restricted Working Space, Add</i>	12.80	
23 05 29 00-0668	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod.....	207.17	21.76
		<i>For Work In Restricted Working Space, Add</i>	13.05	
23 05 29 00-0669	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod.....	212.38	22.21
		<i>For Work In Restricted Working Space, Add</i>	13.30	
23 05 29 00-0670	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod.....	218.02	22.82
		<i>For Work In Restricted Working Space, Add</i>	13.68	
23 05 29 00-0671	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod.....	227.95	23.43
		<i>For Work In Restricted Working Space, Add</i>	14.06	
23 05 29 00-0672	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod.....	243.59	24.64
		<i>For Work In Restricted Working Space, Add</i>	14.81	
23 05 29 00-0673	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod.....	259.23	26.00
		<i>For Work In Restricted Working Space, Add</i>	15.57	
23 05 29 00-0674	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod.....	275.86	27.21
		<i>For Work In Restricted Working Space, Add</i>	16.32	

23 05 29 00-0675 Attachments (23 05 29 00-0509)23 05 29 00-0676 Welded Beam Attachments (B-Line B-3083) (23 05 29 00-0675)

Note: Type 22.

23 05 29 00-0677	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	62.86	14.10
		<i>For Work In Restricted Working Space, Add</i>	8.46	
23 05 29 00-0678	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	66.97	14.75
		<i>For Work In Restricted Working Space, Add</i>	8.87	
23 05 29 00-0679	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	71.31	15.59
		<i>For Work In Restricted Working Space, Add</i>	9.37	
23 05 29 00-0680	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	91.12	16.58
		<i>For Work In Restricted Working Space, Add</i>	9.92	
23 05 29 00-0681	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	109.42	17.56
		<i>For Work In Restricted Working Space, Add</i>	10.54	
23 05 29 00-0682	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	153.56	20.10
		<i>For Work In Restricted Working Space, Add</i>	12.04	
23 05 29 00-0683	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083).....	217.76	21.07
		<i>For Work In Restricted Working Space, Add</i>	12.65	

23 05 29 00-0684 C-Clamp Style Beam Clamps (B-Line B-3034) (23 05 29 00-0675)

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0685	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	23.20	7.73
		<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0686	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	27.49	9.82
		<i>For Work In Restricted Working Space, Add</i>	6.05	
23 05 29 00-0687	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	31.13	10.58
		<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 29 00-0688	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	39.81	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 05 29 00-0689	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034).....	57.36	12.09
		<i>For Work In Restricted Working Space, Add</i>	7.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0690			<b>Bottom Mount I-Beam Clamps (B-Line B-3055)</b> (23 05 29 00-0675) Note: Type 21. For attaching threaded rod centered under beam flanges.		
23 05 29 00-0691	EA		3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	62.50	10.61
			<i>For Work In Restricted Working Space, Add</i>	7.58	
23 05 29 00-0692	EA		1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	91.27	13.60
			<i>For Work In Restricted Working Space, Add</i>	8.24	
23 05 29 00-0693	EA		5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	129.97	15.12
			<i>For Work In Restricted Working Space, Add</i>	9.07	
23 05 29 00-0694	EA		3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	155.44	16.63
			<i>For Work In Restricted Working Space, Add</i>	10.08	
23 05 29 00-0695	EA		1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055).....	374.24	18.13
			<i>For Work In Restricted Working Space, Add</i>	11.33	
23 05 29 00-0696			<b>Steel U-Bolts (B-Line B-3188)</b> (23 05 29 00-0675) Note: Type 24. Includes plate and nuts.		
23 05 29 00-0697	EA		1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	18.89	3.79
			<i>For Work In Restricted Working Space, Add</i>	4.55	
23 05 29 00-0698	EA		3/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	20.48	4.55
			<i>For Work In Restricted Working Space, Add</i>	4.79	
23 05 29 00-0699	EA		1" Pipe Size, Steel U-Bolt (B-Line B-3188).....	22.02	4.55
			<i>For Work In Restricted Working Space, Add</i>	5.06	
23 05 29 00-0700	EA		1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	24.96	4.55
			<i>For Work In Restricted Working Space, Add</i>	5.35	
23 05 29 00-0701	EA		1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	25.81	5.31
			<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0702	EA		2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	27.62	5.31
			<i>For Work In Restricted Working Space, Add</i>	6.07	
23 05 29 00-0703	EA		2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188).....	39.39	5.31
			<i>For Work In Restricted Working Space, Add</i>	6.50	
23 05 29 00-0704	EA		3" Pipe Size, Steel U-Bolt (B-Line B-3188).....	43.40	6.07
			<i>For Work In Restricted Working Space, Add</i>	7.00	
23 05 29 00-0705	EA		4" Pipe Size, Steel U-Bolt (B-Line B-3188).....	52.27	6.82
			<i>For Work In Restricted Working Space, Add</i>	7.58	
23 05 29 00-0706			<b>Copper Standoff Brackets With Flange</b> (23 05 29 00-0675) Note: Installed in wood, concrete, concrete block or steel.		
23 05 29 00-0707	EA		Clamp Size 1/2", Copper Standoff Brackets With Flange.....	45.04	21.61
			<i>For Work In Restricted Working Space, Add</i>	12.95	
23 05 29 00-0708	EA		Clamp Size 3/4", Copper Standoff Brackets With Flange.....	45.15	21.61
			<i>For Work In Restricted Working Space, Add</i>	12.95	
23 05 29 00-0709	EA		Clamp Size 1", Copper Standoff Brackets With Flange.....	45.26	21.61
			<i>For Work In Restricted Working Space, Add</i>	12.95	
23 05 29 00-0710	EA		Clamp Size 1 1/4", Copper Standoff Brackets With Flange.....	48.11	22.97
			<i>For Work In Restricted Working Space, Add</i>	13.74	
23 05 29 00-0711	EA		Clamp Size 1 1/2", Copper Standoff Brackets With Flange.....	48.33	22.97
			<i>For Work In Restricted Working Space, Add</i>	13.74	
23 05 29 00-0712			<b>Malleable Iron Eye Sockets (B-Line B-3222)</b> (23 05 29 00-0675) Note: Type 16.		
23 05 29 00-0713	EA		3/8" Rod Size, Malleable Iron Eye Socket.....	13.96	2.27
			<i>For Work In Restricted Working Space, Add</i>	1.37	
23 05 29 00-0714	EA		1/2" Rod Size, Malleable Iron Eye Socket.....	17.82	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.82	
23 05 29 00-0715	EA		5/8" Rod Size, Malleable Iron Eye Socket.....	30.28	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.83	
23 05 29 00-0716	EA		3/4" Rod Size, Malleable Iron Eye Socket.....	42.49	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.82	
23 05 29 00-0717	EA		7/8" Rod Size, Malleable Iron Eye Socket.....	45.95	3.78
			<i>For Work In Restricted Working Space, Add</i>	2.27	
23 05 29 00-0718			<b>Steel Weldless Eye Nuts (B-Line B-3200)</b> (23 05 29 00-0675) Note: Type 17.		
23 05 29 00-0719	EA		3/8" Rod Size, Steel Weldless Eye Nut.....	44.66	2.27
			<i>For Work In Restricted Working Space, Add</i>	1.37	
23 05 29 00-0720	EA		1/2" Rod Size, Steel Weldless Eye Nut.....	46.13	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.82	
23 05 29 00-0721	EA		5/8" Rod Size, Steel Weldless Eye Nut.....	46.19	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.83	
23 05 29 00-0722	EA		3/4" Rod Size, Steel Weldless Eye Nut.....	46.13	3.03
			<i>For Work In Restricted Working Space, Add</i>	1.82	
23 05 29 00-0723	EA		7/8" Rod Size, Steel Weldless Eye Nut.....	89.52	3.33
			<i>For Work In Restricted Working Space, Add</i>	2.04	
23 05 29 00-0724	EA		1" Rod Size, Steel Weldless Eye Nut.....	90.27	3.78
			<i>For Work In Restricted Working Space, Add</i>	2.27	
23 05 29 00-0725			<b>Top Mount I-Beam Clamps (B-Line B-3042)</b> (23 05 29 00-0675) Note: For attaching threaded rod to either side of an I-beam.		
23 05 29 00-0726	EA		3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp.....	31.12	7.04
			<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0727	EA		1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp.....	37.27	7.73
			<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-0728	EA		5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp.....	45.04	8.43
			<i>For Work In Restricted Working Space, Add</i>	5.11	



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23 05 29 00-0729	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	61.50	9.14
		<i>For Work In Restricted Working Space, Add</i>	5.37	
23 05 29 00-0730	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	93.92	10.54
		<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0731	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	32.70	7.04
		<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0732	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	39.50	7.73
		<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-0733	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	45.04	8.43
		<i>For Work In Restricted Working Space, Add</i>	5.11	
23 05 29 00-0734	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	67.37	9.14
		<i>For Work In Restricted Working Space, Add</i>	5.37	
23 05 29 00-0735	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	103.95	10.54
		<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0736	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	36.37	7.04
		<i>For Work In Restricted Working Space, Add</i>	4.23	
23 05 29 00-0737	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	43.63	7.73
		<i>For Work In Restricted Working Space, Add</i>	4.65	
23 05 29 00-0738	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	54.72	8.43
		<i>For Work In Restricted Working Space, Add</i>	5.11	
23 05 29 00-0739	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	78.36	9.14
		<i>For Work In Restricted Working Space, Add</i>	5.37	
23 05 29 00-0740	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	125.44	10.54
		<i>For Work In Restricted Working Space, Add</i>	6.32	
<b>23 05 29 00-0741</b>		<b>Side Beam Brackets (B-Line B-3062)</b> (23 05 29 00-0675)		
		Note: Type 34.		
23 05 29 00-0742	EA	3/8" Rod Size, Side Beam Bracket	25.81	9.86
		<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0743	EA	1/2" Rod Size, Side Beam Bracket	30.32	9.82
		<i>For Work In Restricted Working Space, Add</i>	6.05	
23 05 29 00-0744	EA	5/8" Rod Size, Side Beam Bracket	38.94	10.58
		<i>For Work In Restricted Working Space, Add</i>	6.48	
23 05 29 00-0745	EA	3/4" Rod Size, Side Beam Bracket	68.12	11.33
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 05 29 00-0746	EA	7/8" Rod Size, Side Beam Bracket	79.60	12.85
		<i>For Work In Restricted Working Space, Add</i>	7.56	
<b>23 05 29 00-0747</b>		<b>Hex Lag Bolts</b> (23 05 29 00-0675)		
		Note: Also known as coach screws.		
23 05 29 00-0748	EA	3/8" x 3-1/2" Long, Hex Lag Bolt	4.16	
		<i>For Work In Restricted Working Space, Add</i>	0.95	
23 05 29 00-0749	EA	3/8" x 4" Long, Hex Lag Bolt	4.11	
		<i>For Work In Restricted Working Space, Add</i>	0.98	
23 05 29 00-0750	EA	3/8" x 6" Long, Hex Lag Bolt	4.61	
		<i>For Work In Restricted Working Space, Add</i>	1.02	
23 05 29 00-0751	EA	3/8" x 8" Long, Hex Lag Bolt	5.50	
		<i>For Work In Restricted Working Space, Add</i>	1.05	
23 05 29 00-0752	EA	3/8" x 10" Long, Hex Lag Bolt	5.86	
		<i>For Work In Restricted Working Space, Add</i>	1.10	
23 05 29 00-0753	EA	3/8" x 12" Long, Hex Lag Bolt	7.86	
		<i>For Work In Restricted Working Space, Add</i>	1.14	
23 05 29 00-0754	EA	1/2" x 3-1/2" Long, Hex Lag Bolt	5.74	
		<i>For Work In Restricted Working Space, Add</i>	1.14	
23 05 29 00-0755	EA	1/2" x 4" Long, Hex Lag Bolt	5.58	
		<i>For Work In Restricted Working Space, Add</i>	1.19	
23 05 29 00-0756	EA	1/2" x 6" Long, Hex Lag Bolt	6.46	
		<i>For Work In Restricted Working Space, Add</i>	1.24	
23 05 29 00-0757	EA	1/2" x 8" Long, Hex Lag Bolt	7.44	
		<i>For Work In Restricted Working Space, Add</i>	1.29	
23 05 29 00-0758	EA	1/2" x 10" Long, Hex Lag Bolt	8.75	
		<i>For Work In Restricted Working Space, Add</i>	1.36	
23 05 29 00-0759	EA	1/2" x 12" Long, Hex Lag Bolt	9.36	
		<i>For Work In Restricted Working Space, Add</i>	1.42	
23 05 29 00-0760	EA	5/8" x 4" Long, Hex Lag Bolt	8.00	
		<i>For Work In Restricted Working Space, Add</i>	1.26	
23 05 29 00-0761	EA	3/4" x 5" Long, Hex Lag Bolt	9.41	
		<i>For Work In Restricted Working Space, Add</i>	1.29	
<b>23 05 29 00-0762</b>		<b>Hanger Strap</b> (23 05 29 00-0509)		
23 05 29 00-0763	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	7.26	
<b>23 05 29 00-0764</b>		<b>Shields And Saddles</b> (23 05 29)		
<b>23 05 29 00-0765</b>		<b>Insulation Protection Shield</b> (23 05 29 00-0764)		
		Note: Type 40.		
<b>23 05 29 00-0766</b>		<b>Insulation Protection Shield (Cooper B-Line B3151)</b> (23 05 29 00-0765)		
23 05 29 00-0767	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	18.82	3.63
		<i>For Work In Restricted Working Space, Add</i>	3.63	
23 05 29 00-0768	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.09	3.67
		<i>For Work In Restricted Working Space, Add</i>	3.67	
23 05 29 00-0769	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.52	3.72
		<i>For Work In Restricted Working Space, Add</i>	3.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0770	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	20.32 3.76	3.76
23 05 29 00-0771	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	22.22 3.86	3.85
23 05 29 00-0772	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	26.44 3.95	3.94
23 05 29 00-0773	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	30.26 4.04	4.03
23 05 29 00-0774	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	36.27 4.13	4.12
23 05 29 00-0775	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	45.59 4.17	4.17
23 05 29 00-0776	EA		14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	49.37 4.22	4.22
23 05 29 00-0777	EA		16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	66.59 4.26	4.27
23 05 29 00-0778	EA		18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	74.39 4.31	4.31
23 05 29 00-0779	EA		20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	134.79 4.35	4.36
23 05 29 00-0780	EA		24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	146.26 4.44	4.45
23 05 29 00-0781	EA		30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)..... <i>For Work In Restricted Working Space, Add</i>	176.04 4.54	4.54
<b>23 05 29 00-0782</b>			<b>Insulation Protection Shield (Cooper B-Line B3154) (23 05 29 00-0765)</b>		
23 05 29 00-0783	EA		1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	16.97 3.63	3.63
23 05 29 00-0784	EA		2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	17.21 3.67	3.67
23 05 29 00-0785	EA		2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	17.56 3.72	3.72
23 05 29 00-0786	EA		3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	18.18 3.76	3.76
23 05 29 00-0787	EA		4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	19.64 3.86	3.85
23 05 29 00-0788	EA		6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	22.79 3.95	3.94
23 05 29 00-0789	EA		8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	24.31 4.04	4.03
23 05 29 00-0790	EA		10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	30.08 4.13	4.12
23 05 29 00-0791	EA		12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)..... <i>For Work In Restricted Working Space, Add</i>	35.42 4.17	4.17
<b>23 05 29 00-0792</b>			<b>Pipe Covering Protection Saddle (23 05 29 00-0764)</b>		
			Note: Sizes are pipe sizes.		
<b>23 05 29 00-0793</b>			<b>Saddle, For 1" Insulation (Cooper B-Line B3160) (23 05 29 00-0792)</b>		
23 05 29 00-0794	EA		3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	28.34 4.97	4.97
23 05 29 00-0795	EA		1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	28.49 5.02	5.01
23 05 29 00-0796	EA		1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	28.62 5.06	5.06
23 05 29 00-0797	EA		1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	29.90 5.14	5.14
23 05 29 00-0798	EA		2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	30.05 5.19	5.18
23 05 29 00-0799	EA		2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	30.96 5.27	5.27
23 05 29 00-0800	EA		3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	34.03 5.36	5.36
23 05 29 00-0801	EA		4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	37.73 5.44	5.44
23 05 29 00-0802	EA		6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	42.01 5.61	5.60
23 05 29 00-0803	EA		8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	50.32 5.82	5.82
23 05 29 00-0804	EA		10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	55.75 5.90	5.90
23 05 29 00-0805	EA		12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	65.31 6.03	5.90
23 05 29 00-0806	EA		14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160) ..... <i>For Work In Restricted Working Space, Add</i>	70.92 6.11	6.11
<b>23 05 29 00-0807</b>			<b>Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) (23 05 29 00-0792)</b>		
23 05 29 00-0808	EA		3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	31.47 4.97	4.97
23 05 29 00-0809	EA		1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	31.62 5.02	5.01
23 05 29 00-0810	EA		1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	31.75 5.06	5.06
23 05 29 00-0811	EA		1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) ..... <i>For Work In Restricted Working Space, Add</i>	32.82 5.14	5.14

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0812	EA		2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	35.14	5.18
			<i>For Work In Restricted Working Space, Add</i>	5.19	
23 05 29 00-0813	EA		2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	37.59	5.27
			<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0814	EA		3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	38.23	5.36
			<i>For Work In Restricted Working Space, Add</i>	5.36	
23 05 29 00-0815	EA		4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	42.90	5.36
			<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0816	EA		6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	47.86	5.60
			<i>For Work In Restricted Working Space, Add</i>	5.61	
23 05 29 00-0817	EA		8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	56.06	5.82
			<i>For Work In Restricted Working Space, Add</i>	5.82	
23 05 29 00-0818	EA		10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	62.54	5.90
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0819	EA		12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	73.68	6.03
			<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0820	EA		14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) .....	80.31	6.11
			<i>For Work In Restricted Working Space, Add</i>	6.11	
<b>23 05 29 00-0821</b>			<b>Saddle, For 2" Insulation (Cooper B-Line B3162) (23 05 29 00-0792)</b>		
23 05 29 00-0822	EA		3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	33.61	5.23
			<i>For Work In Restricted Working Space, Add</i>	5.23	
23 05 29 00-0823	EA		1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	33.74	5.27
			<i>For Work In Restricted Working Space, Add</i>	5.27	
23 05 29 00-0824	EA		1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	35.35	5.31
			<i>For Work In Restricted Working Space, Add</i>	5.31	
23 05 29 00-0825	EA		1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	36.37	5.40
			<i>For Work In Restricted Working Space, Add</i>	5.40	
23 05 29 00-0826	EA		2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	37.24	5.44
			<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0827	EA		2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	37.52	5.54
			<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0828	EA		3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	39.49	5.62
			<i>For Work In Restricted Working Space, Add</i>	5.61	
23 05 29 00-0829	EA		4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	41.45	5.70
			<i>For Work In Restricted Working Space, Add</i>	5.69	
23 05 29 00-0830	EA		6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	51.84	5.89
			<i>For Work In Restricted Working Space, Add</i>	5.90	
23 05 29 00-0831	EA		8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	58.34	6.11
			<i>For Work In Restricted Working Space, Add</i>	6.11	
23 05 29 00-0832	EA		10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	61.09	6.19
			<i>For Work In Restricted Working Space, Add</i>	6.20	
23 05 29 00-0833	EA		12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	80.92	6.33
			<i>For Work In Restricted Working Space, Add</i>	6.32	
23 05 29 00-0834	EA		14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	89.18	6.42
			<i>For Work In Restricted Working Space, Add</i>	6.41	
23 05 29 00-0835	EA		16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	97.72	6.58
			<i>For Work In Restricted Working Space, Add</i>	6.58	
23 05 29 00-0836	EA		18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	106.25	6.74
			<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0837	EA		20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	116.17	6.92
			<i>For Work In Restricted Working Space, Add</i>	6.91	
23 05 29 00-0838	EA		24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162) .....	132.44	7.08
			<i>For Work In Restricted Working Space, Add</i>	7.08	
<b>23 05 29 00-0839</b>			<b>Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) (23 05 29 00-0792)</b>		
23 05 29 00-0840	EA		1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	37.35	5.44
			<i>For Work In Restricted Working Space, Add</i>	5.44	
23 05 29 00-0841	EA		1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	39.27	5.52
			<i>For Work In Restricted Working Space, Add</i>	5.52	
23 05 29 00-0842	EA		2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	40.24	5.58
			<i>For Work In Restricted Working Space, Add</i>	5.57	
23 05 29 00-0843	EA		2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	41.34	5.66
			<i>For Work In Restricted Working Space, Add</i>	5.65	
23 05 29 00-0844	EA		3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	41.76	5.77
			<i>For Work In Restricted Working Space, Add</i>	5.78	
23 05 29 00-0845	EA		4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	47.93	5.85
			<i>For Work In Restricted Working Space, Add</i>	5.86	
23 05 29 00-0846	EA		6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	54.40	6.03
			<i>For Work In Restricted Working Space, Add</i>	6.03	
23 05 29 00-0847	EA		8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	62.80	6.25
			<i>For Work In Restricted Working Space, Add</i>	6.24	
23 05 29 00-0848	EA		10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	67.09	6.36
			<i>For Work In Restricted Working Space, Add</i>	6.37	
23 05 29 00-0849	EA		12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	83.03	6.48
			<i>For Work In Restricted Working Space, Add</i>	6.49	
23 05 29 00-0850	EA		14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	97.79	6.58
			<i>For Work In Restricted Working Space, Add</i>	6.58	
23 05 29 00-0851	EA		16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	112.83	6.73
			<i>For Work In Restricted Working Space, Add</i>	6.74	
23 05 29 00-0852	EA		18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	119.68	6.90
			<i>For Work In Restricted Working Space, Add</i>	6.91	
23 05 29 00-0853	EA		20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	127.31	7.08
			<i>For Work In Restricted Working Space, Add</i>	7.08	
23 05 29 00-0854	EA		24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) .....	134.92	7.25
			<i>For Work In Restricted Working Space, Add</i>	7.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0855			<b>Saddle, For 3" Insulation (Cooper B-Line B3164)</b> <small>(23 05 29 00-0792)</small>		
23 05 29 00-0856	EA		2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	41.57 5.69	5.70
23 05 29 00-0857	EA		2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	45.11 5.82	5.81
23 05 29 00-0858	EA		3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	46.94 5.90	5.89
23 05 29 00-0859	EA		4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	48.77 5.99	5.99
23 05 29 00-0860	EA		6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	55.56 6.15	6.17
23 05 29 00-0861	EA		8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	68.85 6.41	6.40
23 05 29 00-0862	EA		10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	74.33 6.49	6.49
23 05 29 00-0863	EA		12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	95.58 6.62	6.63
23 05 29 00-0864	EA		14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	113.39 6.74	6.73
23 05 29 00-0865	EA		16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	131.23 6.87	6.89
23 05 29 00-0866	EA		18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	133.80 7.08	7.07
23 05 29 00-0867	EA		20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	136.23 7.25	7.23
23 05 29 00-0868	EA		24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164) ..... <i>For Work In Restricted Working Space, Add</i>	171.82 7.42	7.42
23 05 29 00-0869			<b>Saddle, For 4" Insulation (Cooper B-Line B3165)</b> <small>(23 05 29 00-0792)</small>		
23 05 29 00-0870	EA		2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	46.51 5.82	5.83
23 05 29 00-0871	EA		2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	50.66 5.94	5.93
23 05 29 00-0872	EA		3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	52.82 6.03	6.03
23 05 29 00-0873	EA		4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	55.05 6.11	6.11
23 05 29 00-0874	EA		6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	66.50 6.32	6.31
23 05 29 00-0875	EA		8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	77.95 6.53	6.55
23 05 29 00-0876	EA		10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	80.54 6.66	6.64
23 05 29 00-0877	EA		12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	101.92 6.79	6.78
23 05 29 00-0878	EA		14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	122.93 6.87	6.88
23 05 29 00-0879	EA		16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	144.20 7.04	7.05
23 05 29 00-0880	EA		18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	175.53 7.21	7.22
23 05 29 00-0881	EA		20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	206.73 7.42	7.41
23 05 29 00-0882	EA		24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	220.95 7.59	7.59
23 05 29 00-0883	EA		30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	232.42 7.80	7.78
23 05 29 00-0884	EA		36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165) ..... <i>For Work In Restricted Working Space, Add</i>	240.91 7.97	7.99
23 05 29 00-0885			<b>Adjustable Pipe Saddle Support (Cooper B-Line B3096)</b> <small>(23 05 29 00-0764)</small>		
23 05 29 00-0886	EA		2" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	103.87	18.89
23 05 29 00-0887	EA		3" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	110.82	21.91
23 05 29 00-0888	EA		4" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	134.20	24.94
23 05 29 00-0889	EA		5" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	140.37	27.21
23 05 29 00-0890	EA		6" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	155.76	30.23
23 05 29 00-0891	EA		8" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	178.69	37.78
23 05 29 00-0892	EA		10" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	234.13	50.63
23 05 29 00-0893	EA		12" Adjustable Pipe Saddle Support (Cooper B-Line B3096) .....	295.56	75.57
23 05 29 00-0894			<b>Pipe Stanchion Support (Cooper B-Line B3090)</b> <small>(23 05 29 00-0764)</small>		
23 05 29 00-0895	EA		2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	126.46	18.89
23 05 29 00-0896	EA		3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	131.86	21.91
23 05 29 00-0897	EA		3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	141.43	23.43
23 05 29 00-0898	EA		4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	144.96	24.94
23 05 29 00-0899	EA		5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	152.74	27.21
23 05 29 00-0900	EA		6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	162.58	30.23
23 05 29 00-0901	EA		8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	206.18	37.78
23 05 29 00-0902	EA		10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	277.86	50.63
23 05 29 00-0903	EA		12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090) .....	367.96	75.57



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0904			<b>Pipe Saddle Support (Cooper B-Line B3095)</b> (23 05 29 00-0764)		
23 05 29 00-0905	EA		2-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	69.21	18.89
23 05 29 00-0906	EA		3" Pipe Saddle Support (Cooper B-Line B3095).....	74.61	21.91
23 05 29 00-0907	EA		3-1/2" Pipe Saddle Support (Cooper B-Line B3095).....	108.23	23.43
23 05 29 00-0908	EA		4" Pipe Saddle Support (Cooper B-Line B3095).....	111.76	24.94
23 05 29 00-0909	EA		5" Pipe Saddle Support (Cooper B-Line B3095).....	122.64	27.21
23 05 29 00-0910	EA		6" Pipe Saddle Support (Cooper B-Line B3095).....	135.98	30.23
23 05 29 00-0911	EA		8" Pipe Saddle Support (Cooper B-Line B3095).....	157.43	37.78
23 05 29 00-0912	EA		10" Pipe Saddle Support (Cooper B-Line B3095).....	186.60	50.63
23 05 29 00-0913	EA		12" Pipe Saddle Support (Cooper B-Line B3095).....	241.30	75.57
23 05 29 00-0914			<b>360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> (23 05 29 00-0764)		
			Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0915			<b>1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> (23 05 29 00-0914)		
23 05 29 00-0916	EA		1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.95	8.97
23 05 29 00-0917	EA		3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.27	8.97
23 05 29 00-0918	EA		1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.36	8.97
23 05 29 00-0919	EA		1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.68	8.97
23 05 29 00-0920	EA		1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.10	9.52
23 05 29 00-0921	EA		2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.08	9.79
23 05 29 00-0922	EA		2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.19	10.22
23 05 29 00-0923	EA		3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.40	10.63
23 05 29 00-0924	EA		4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.47	11.05
23 05 29 00-0925	EA		6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.55	9.52
23 05 29 00-0926	EA		8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.38	12.42
23 05 29 00-0927	EA		10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	51.26	14.63
23 05 29 00-0928	EA		12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	58.53	16.98
23 05 29 00-0929	EA		14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.45	17.53
23 05 29 00-0930			<b>1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> (23 05 29 00-0914)		
23 05 29 00-0931	EA		1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	16.91	6.76
23 05 29 00-0932	EA		3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.51	6.76
23 05 29 00-0933	EA		1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	18.90	6.90
23 05 29 00-0934	EA		1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	19.51	7.04
23 05 29 00-0935	EA		1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	20.07	7.04
23 05 29 00-0936	EA		2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	21.08	7.31
23 05 29 00-0937	EA		2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.25	7.60
23 05 29 00-0938	EA		3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	22.87	7.73
23 05 29 00-0939	EA		4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.13	8.42
23 05 29 00-0940	EA		6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.98	14.49
23 05 29 00-0941	EA		8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.77	10.90
23 05 29 00-0942	EA		10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	40.81	12.83
23 05 29 00-0943	EA		12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	46.40	14.77
23 05 29 00-0944	EA		14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	54.88	17.80
23 05 29 00-0945			<b>2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> (23 05 29 00-0914)		
23 05 29 00-0946	EA		1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.05	7.73
23 05 29 00-0947	EA		3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	23.31	7.73
23 05 29 00-0948	EA		1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.07	7.87
23 05 29 00-0949	EA		1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	24.72	8.01
23 05 29 00-0950	EA		1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	25.41	8.14
23 05 29 00-0951	EA		2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.38	8.42
23 05 29 00-0952	EA		2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.75	8.69
23 05 29 00-0953	EA		3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	29.04	8.97
23 05 29 00-0954	EA		4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.85	9.52
23 05 29 00-0955	EA		6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.41	10.76
23 05 29 00-0956	EA		8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	57.06	18.36
23 05 29 00-0957	EA		10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.72	21.25
23 05 29 00-0958	EA		12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	72.53	25.12
23 05 29 00-0959	EA		14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	81.33	28.15
23 05 29 00-0960	EA		16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	90.93	31.74
23 05 29 00-0961	EA		18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	104.42	37.26
23 05 29 00-0962	EA		20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	115.95	41.41
23 05 29 00-0963	EA		24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	131.05	46.92
23 05 29 00-0964			<b>2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> (23 05 29 00-0914)		
23 05 29 00-0965	EA		1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.42	8.97
23 05 29 00-0966	EA		3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.71	8.97
23 05 29 00-0967	EA		1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	27.64	9.11
23 05 29 00-0968	EA		1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.30	9.25
23 05 29 00-0969	EA		1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	28.99	9.25
23 05 29 00-0970	EA		2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	30.19	9.66
23 05 29 00-0971	EA		2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.74	9.94
23 05 29 00-0972	EA		3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.21	10.35



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0973 EA 4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.39	10.90
23 05 29 00-0974 EA 6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.65	12.42
23 05 29 00-0975 EA 8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	53.89	13.80
23 05 29 00-0976 EA 10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	63.99	15.88
23 05 29 00-0977 EA 12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	73.80	19.74
23 05 29 00-0978 EA 14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	82.96	21.67
23 05 29 00-0979 EA 16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.04	27.61
23 05 29 00-0980 EA 18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	106.05	28.98
23 05 29 00-0981 EA 20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	120.51	33.13
23 05 29 00-0982 EA 24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	142.42	40.02
<b>23 05 29 00-0983 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <i>(23 05 29 00-0914)</i>		
23 05 29 00-0984 EA 1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	52.84	9.25
23 05 29 00-0985 EA 3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	62.78	9.66
23 05 29 00-0986 EA 1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	65.18	9.66
23 05 29 00-0987 EA 1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	66.73	9.94
23 05 29 00-0988 EA 1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	68.55	10.22
23 05 29 00-0989 EA 2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	70.61	10.35
23 05 29 00-0990 EA 2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	74.29	10.63
23 05 29 00-0991 EA 3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	77.54	11.32
23 05 29 00-0992 EA 4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	85.36	11.73
23 05 29 00-0993 EA 6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	97.64	14.35
23 05 29 00-0994 EA 8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	125.72	15.74
23 05 29 00-0995 EA 10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	149.45	16.56
23 05 29 00-0996 EA 12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	171.82	21.39
23 05 29 00-0997 EA 14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	193.31	22.78
23 05 29 00-0998 EA 16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	232.07	30.36
23 05 29 00-0999 EA 18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	249.79	33.13
23 05 29 00-1000 EA 20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	282.82	35.89
23 05 29 00-1001 EA 24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	332.32	44.16
<b>23 05 29 00-1002 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <i>(23 05 29 00-0914)</i>		
23 05 29 00-1003 EA 1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	26.42	8.97
23 05 29 00-1004 EA 3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	31.93	10.90
23 05 29 00-1005 EA 1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.20	10.90
23 05 29 00-1006 EA 1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	33.95	11.05
23 05 29 00-1007 EA 1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	34.90	11.18
23 05 29 00-1008 EA 2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.17	11.59
23 05 29 00-1009 EA 2-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.06	12.00
23 05 29 00-1010 EA 3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.71	12.42
23 05 29 00-1011 EA 4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	43.71	13.11
23 05 29 00-1012 EA 6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.96	14.91
23 05 29 00-1013 EA 8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	64.61	16.56
23 05 29 00-1014 EA 10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	76.79	19.04
23 05 29 00-1015 EA 12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	88.56	23.73
23 05 29 00-1016 EA 14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.57	25.94
23 05 29 00-1017 EA 16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	118.86	33.13
23 05 29 00-1018 EA 18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	127.27	34.78
23 05 29 00-1019 EA 20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	144.68	39.75
23 05 29 00-1020 EA 24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	170.92	48.03
<b>23 05 29 00-1021 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate</b> <i>(23 05 29 00-0914)</i>		
23 05 29 00-1022 EA 1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	35.60	12.14
23 05 29 00-1023 EA 3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	36.01	12.14
23 05 29 00-1024 EA 1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	37.27	12.29
23 05 29 00-1025 EA 1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	38.27	12.42
23 05 29 00-1026 EA 1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	39.00	12.42
23 05 29 00-1027 EA 2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	41.20	13.25
23 05 29 00-1028 EA 2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	42.79	13.39
23 05 29 00-1029 EA 3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	44.83	13.94
23 05 29 00-1030 EA 4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	49.12	14.77
23 05 29 00-1031 EA 6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	56.19	16.70
23 05 29 00-1032 EA 8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	71.65	18.08
23 05 29 00-1033 EA 10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	86.41	21.54
23 05 29 00-1034 EA 12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	99.65	26.77
23 05 29 00-1035 EA 14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	112.06	29.12
23 05 29 00-1036 EA 16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	133.78	37.26
23 05 29 00-1037 EA 18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	143.10	39.06
23 05 29 00-1038 EA 20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	161.05	44.71
23 05 29 00-1039 EA 24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	192.31	54.11
23 05 29 00-1040 EA 26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	220.00	63.63
23 05 29 00-1041 EA 28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	251.20	75.08
23 05 29 00-1042 EA 30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	285.43	88.74
23 05 29 00-1043 EA 42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	411.61	137.05
23 05 29 00-1044 EA 44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	444.35	150.85
23 05 29 00-1045 EA 46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate.....	474.13	162.86

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 29 Hangers and Supports for HVAC Piping and Equipment**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 05 29 00-1046		<b>Equipment Housekeeping Pads</b> (23 05 29)		
23 05 29 00-1047		<b>Molded Plastic Condenser Pad</b> (23 05 29 00-1046)		
23 05 29 00-1048	EA	30" Round Molded Plastic Pad .....	173.43	18.96
23 05 29 00-1049	EA	30" Octagon Molded Plastic Pad .....	182.34	18.96
23 05 29 00-1050	EA	30" x 30" Molded Plastic Pad .....	173.43	18.96
23 05 29 00-1051	EA	36" x 36" Molded Plastic Pad .....	226.84	18.96
23 05 29 00-1052	EA	36" x 48" Molded Plastic Pad .....	326.76	18.96
23 05 29 00-1053		<b>Inertia Base</b> (23 05 29 00-1046)		
		Note: Includes spring isolators.		
23 05 29 00-1054	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base .....	4,264.69	
23 05 29 00-1055	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base .....	5,158.36	
23 05 29 00-1056	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base .....	5,908.89	
23 05 29 00-1057	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base .....	6,754.85	
23 05 29 00-1058		<b>Hanger Assemblies</b> (23 05 29)		
		Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.		
23 05 29 00-1059	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly .....	66.37	23.59
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	15.18	
23 05 29 00-1060	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly .....	69.17	24.98
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	16.02	
23 05 29 00-1061	EA	1" Standard Duty Clevis Pipe Hanger Assembly .....	71.21	26.37
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	16.61	
23 05 29 00-1062	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly .....	72.35	26.41
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	16.86	
23 05 29 00-1063	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly .....	72.60	26.41
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	16.86	
23 05 29 00-1064	EA	2" Standard Duty Clevis Pipe Hanger Assembly .....	73.93	26.63
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	17.10	
23 05 29 00-1065	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly .....	85.61	28.32
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	17.30	
23 05 29 00-1066	EA	3" Standard Duty Clevis Pipe Hanger Assembly .....	87.80	29.13
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	17.57	
23 05 29 00-1067	EA	4" Standard Duty Clevis Pipe Hanger Assembly .....	106.64	32.88
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	19.40	
23 05 29 00-1068	EA	6" Standard Duty Clevis Pipe Hanger Assembly .....	158.47	42.49
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	25.49	
23 05 29 00-1069	EA	8" Standard Duty Clevis Pipe Hanger Assembly .....	180.59	49.30
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	29.57	
23 05 29 00-1070	EA	10" Standard Duty Clevis Pipe Hanger Assembly .....	244.01	62.61
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	37.10	
23 05 29 00-1071	EA	12" Standard Duty Clevis Pipe Hanger Assembly .....	265.29	67.38
		Note: Includes hanger, rod, nuts, washers and clamp.		
		<i>For Work In Restricted Working Space, Add</i>	40.50	
23 05 29 00-1072		<b>Steel Shapes For Hanger Devices</b> (23 05 29)		
23 05 29 00-1073		<b>Angle Iron For Hanger Devices</b> (23 05 29 00-1072)		
23 05 29 00-1074	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices .....	3.49	2.20
23 05 29 00-1075	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices .....	4.54	2.74
23 05 29 00-1076	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices .....	5.58	3.29
23 05 29 00-1077	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices .....	7.66	4.10
23 05 29 00-1078	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices .....	8.51	4.39
23 05 29 00-1079	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices .....	11.32	4.92
23 05 29 00-1080	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices .....	14.08	6.00
23 05 29 00-1081	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices .....	18.15	7.04
23 05 29 00-1082	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices .....	21.66	8.22
23 05 29 00-1083		<b>Channels For Hanger Devices</b> (23 05 29 00-1072)		
23 05 29 00-1084	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices .....	9.97	5.52
23 05 29 00-1085	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices .....	16.69	7.93
23 05 29 00-1086	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices .....	20.75	9.53
23 05 29 00-1087	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices .....	24.80	11.11
23 05 29 00-1088	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices .....	30.00	13.35
23 05 29 00-1089	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices .....	35.77	15.88
23 05 29 00-1090	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices .....	40.42	17.48
23 05 29 00-1091		<b>Structural Bar Tees For Hanger Devices</b> (23 05 29 00-1072)		
23 05 29 00-1092	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices .....	11.54	7.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1093	LF		1" x 1" x 1/8" Structural Bar Tee For Hanger Devices.....	13.89	9.18
23 05 29 00-1094	LF		1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices .....	19.25	10.59
23 05 29 00-1095	LF		2" x 2" x 1/4" Structural Bar Tee For Hanger Devices.....	24.79	14.12
23 05 29 00-1096	LF		2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices .....	33.43	16.95
23 05 29 00-1097	LF		3" x 3" x 3/8" Structural Bar Tee For Hanger Devices.....	42.01	21.89
<b>23 05 29 00-1098</b>			<b>Structural Zees For Hanger Devices (23 05 29 00-1072)</b>		
23 05 29 00-1099	LF		1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices.....	19.27	10.59
23 05 29 00-1100	LF		2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices.....	22.61	10.59
23 05 29 00-1101	LF		3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices.....	32.72	10.59
23 05 29 00-1102	LF		3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices.....	40.93	10.59
23 05 29 00-1103	LF		3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices.....	49.30	10.59
<b>23 05 29 00-1104</b>			<b>Junior I-beams For Hanger Devices (23 05 29 00-1072)</b>		
23 05 29 00-1105	LF		3" I-beam (Junior) For Hanger Devices .....	24.47	15.54
23 05 29 00-1106	LF		4" I-beam (Junior) For Hanger Devices .....	27.95	16.95
23 05 29 00-1107	LF		5" I-beam (Junior) For Hanger Devices .....	31.99	18.36
23 05 29 00-1108	LF		6" I-beam (Junior) For Hanger Devices .....	34.93	20.48
23 05 29 00-1109	LF		7" I-beam (Junior) For Hanger Devices .....	40.96	21.89
23 05 29 00-1110	LF		8" I-beam (Junior) For Hanger Devices .....	44.28	23.30
<b>23 05 33</b>			<b>Heat Tracing for HVAC Piping (23 05)</b>		
			See CSI section 23 83 13 00-0000 for heat tracing cables.		
<b>23 05 48</b>			<b>Vibration and Seismic Controls for HVAC (23 05)</b>		
<b>23 05 48 13</b>			<b>Vibration Controls for HVAC (23 05 48)</b>		
<b>23 05 48 13-0001</b>			<b>Unhoused Stable Steel Spring Isolators (23 05 48 13)</b>		
			Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA		60 LB Unhoused Steel Spring Isolator.....	126.47	42.45
23 05 48 13-0003	EA		115 LB Unhoused Steel Spring Isolator.....	133.22	42.45
23 05 48 13-0004	EA		1,130 LB Unhoused Steel Spring Isolator.....	155.65	42.45
<b>23 05 48 13-0005</b>			<b>Vibration Isolators (23 05 48 13)</b>		
<b>23 05 48 13-0006</b>			<b>Spring And Rubber Hanger For 1" Deflection (23 05 48 13-0005)</b>		
23 05 48 13-0007	EA		50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size .....	153.63	27.21
23 05 48 13-0008	EA		600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size .....	310.66	30.23
<b>23 05 48 13-0009</b>			<b>Rubber-In-Shear Isolator Hanger (23 05 48 13-0005)</b>		
23 05 48 13-0010	EA		45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size .....	88.91	22.67
23 05 48 13-0011	EA		130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size .....	114.19	27.21
<b>23 05 48 13-0012</b>			<b>Spring Hanger For 1" Deflection (23 05 48 13-0005)</b>		
23 05 48 13-0013	EA		50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size.....	101.50	27.21
<b>23 05 48 13-0014</b>			<b>Rubber-In-Shear Vibration Isolator (23 05 48 13-0005)</b>		
23 05 48 13-0015	EA		45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection .....	187.10	51.39
23 05 48 13-0016	EA		130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection .....	246.93	51.39
23 05 48 13-0017	EA		550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection .....	452.27	51.39
<b>23 05 48 13-0018</b>			<b>Two-Piece Spring Type Vibration Isolator (23 05 48 13-0005)</b>		
			Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0019	EA		50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	161.88	51.39
23 05 48 13-0020	EA		>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator.....	166.34	51.39
<b>23 05 48 13-0021</b>			<b>Open Double Spring Type Vibration Isolator (23 05 48 13-0005)</b>		
			Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0022	EA		150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	119.25	25.69
23 05 48 13-0023	EA		500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator .....	119.25	25.69
23 05 48 13-0024	EA		1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	134.12	25.69
23 05 48 13-0025	EA		1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	134.12	25.69
23 05 48 13-0026	EA		2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator.....	201.34	25.69
<b>23 05 48 13-0027</b>			<b>Isolation Pads (23 05 48 13-0005)</b>		
<b>23 05 48 13-0028</b>			<b>Laminated Neoprene And Cork Isolation Pad (23 05 48 13-0027)</b>		
23 05 48 13-0029	EA		2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	8.85	3.78
23 05 48 13-0030	EA		3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	11.00	3.93
23 05 48 13-0031	EA		4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	13.45	4.08
23 05 48 13-0032	EA		12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	48.75	4.69
23 05 48 13-0033	EA		18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad.....	91.83	5.29

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

<b>23 05 48 13-0034</b>	<b>Neoprene And Steel Plate Isolation Pad</b> (23 05 48 13-0027)		
23 05 48 13-0035	EA 6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad .....	210.03	3.78
23 05 48 13-0036	EA 6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad .....	232.45	3.78
<b>23 05 48 13-0037</b>	<b>Neoprene Isolation Pad</b> (23 05 48 13-0027)		
23 05 48 13-0038	EA 2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad .....	8.35	3.78
23 05 48 13-0039	EA 3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad .....	9.39	3.78
23 05 48 13-0040	EA 4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad .....	10.99	3.78
23 05 48 13-0041	EA 12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad .....	47.99	4.54
23 05 48 13-0042	EA 18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad .....	86.42	5.29
<b>23 05 48 13-0043</b>	<b>Threaded Flexible Bronze Hose Connectors</b> (23 05 48 13)		
	Note: Includes hex threaded nipple ends.		
23 05 48 13-0044	EA 3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	87.16	24.18
23 05 48 13-0045	EA 1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	104.11	33.25
23 05 48 13-0046	EA 3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	127.54	40.81
23 05 48 13-0047	EA 1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	148.86	48.36
23 05 48 13-0048	EA 1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	171.15	63.48
23 05 48 13-0049	EA 1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	193.15	67.55
23 05 48 13-0050	EA 2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	256.77	80.10
23 05 48 13-0051	EA 2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends .....	350.28	124.84
<b>23 05 48 13-0052</b>	<b>Flanged Flexible Hose Connectors</b> (23 05 48 13)		
<b>23 05 48 13-0053</b>	<b>Flanged Flexible Molded Rubber Hose Connectors</b> (23 05 48 13-0052)		
	Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0054	EA 1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	265.14	113.35
23 05 48 13-0055	EA 2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	287.86	125.90
23 05 48 13-0056	EA 2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	482.70	251.48
23 05 48 13-0057	EA 3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	677.42	374.05
23 05 48 13-0058	EA 4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	880.14	482.87
23 05 48 13-0059	EA 6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	1,084.42	502.25
23 05 48 13-0060	EA 8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	1,307.00	573.64
23 05 48 13-0061	EA 10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	1,674.00	682.65
23 05 48 13-0062	EA 12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI .....	4,282.26	853.82
<b>23 05 48 13-0063</b>	<b>Flanged Flexible Corrugated Stainless Steel Hose Connectors</b> (23 05 48 13-0052)		
	Note: With braided metal wire.		
23 05 48 13-0064	EA 1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	210.99	103.07
23 05 48 13-0065	EA 1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	217.71	141.76
23 05 48 13-0066	EA 1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	392.68	188.91
23 05 48 13-0067	EA 2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	521.39	283.38
23 05 48 13-0068	EA 2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	562.90	311.79
23 05 48 13-0069	EA 3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	658.69	377.53
23 05 48 13-0070	EA 4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	843.47	483.32
23 05 48 13-0071	EA 4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,464.98	666.80
23 05 48 13-0072	EA 4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,682.26	781.66
23 05 48 13-0073	EA 6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,147.66	601.49
23 05 48 13-0074	EA 6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	2,142.24	753.37
23 05 48 13-0075	EA 8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	1,813.25	803.60
23 05 48 13-0076	EA 10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	2,129.03	929.22
23 05 48 13-0077	EA 12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation .....	2,680.71	1,004.49
<b>23 05 48 13-0078</b>	<b>Flanged Flexible Molded Teflon Hose Connectors</b> (23 05 48 13-0052)		
	Note: 150 PSI.		
23 05 48 13-0079	EA 2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,067.02	219.14
23 05 48 13-0080	EA 3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,199.84	256.93
23 05 48 13-0081	EA 4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	1,830.47	431.80
23 05 48 13-0082	EA 6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	2,227.43	502.25
23 05 48 13-0083	EA 8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation .....	2,901.69	616.09
<b>23 05 48 13-0084</b>	<b>Flexible Hose Connectors Braided Metal Hose Type</b> (23 05 48 13)		
<b>23 05 48 13-0085</b>	<b>Braided Metal Hose Type Flexible Bronze Hose Connectors</b> (23 05 48 13-0084)		
	Note: MPT connection.		
23 05 48 13-0086	EA 1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	41.24	3.03
23 05 48 13-0087	EA 1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	49.00	3.03
23 05 48 13-0088	EA 1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	54.86	3.94
23 05 48 13-0089	EA 1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection .....	66.29	3.94





MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0090 EA 3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	55.03	3.64
23 05 48 13-0091 EA 3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	66.10	3.64
23 05 48 13-0092 EA 3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	75.96	4.70
23 05 48 13-0093 EA 3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	93.20	4.70
23 05 48 13-0094 EA 1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	74.75	4.24
23 05 48 13-0095 EA 1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	81.55	4.24
23 05 48 13-0096 EA 1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	97.22	5.61
23 05 48 13-0097 EA 1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	122.44	5.61
23 05 48 13-0098 EA 1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	147.47	5.61
23 05 48 13-0099 EA 1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	172.58	5.61
23 05 48 13-0100 EA 1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	106.18	5.45
23 05 48 13-0101 EA 1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	116.76	5.45
23 05 48 13-0102 EA 1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	149.03	5.45
23 05 48 13-0103 EA 1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	207.05	7.26
23 05 48 13-0104 EA 1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	239.56	7.26
23 05 48 13-0105 EA 1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	282.82	7.26
23 05 48 13-0106 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	144.92	6.57
23 05 48 13-0107 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	167.05	6.57
23 05 48 13-0108 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	209.90	6.57
23 05 48 13-0109 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	279.93	8.79
23 05 48 13-0110 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	345.23	8.79
23 05 48 13-0111 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	410.48	8.79
23 05 48 13-0112 EA 2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	200.57	8.24
23 05 48 13-0113 EA 2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	227.82	7.82
23 05 48 13-0114 EA 2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	255.35	7.82
23 05 48 13-0115 EA 2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	315.29	10.48
23 05 48 13-0116 EA 2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	370.64	10.48
23 05 48 13-0117 EA 2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	424.26	10.48
23 05 48 13-0118 EA 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	315.31	10.48
23 05 48 13-0119 EA 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	352.08	10.48
23 05 48 13-0120 EA 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	1,675.67	10.48
23 05 48 13-0121 EA 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	2,016.33	13.97
23 05 48 13-0122 EA 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	544.09	13.97
23 05 48 13-0123 EA 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	616.44	13.97
23 05 48 13-0124 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	573.33	12.16
23 05 48 13-0125 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	616.29	12.16
23 05 48 13-0126 EA 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	659.25	12.16
23 05 48 13-0127 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	754.88	16.21
23 05 48 13-0128 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	840.47	16.21
23 05 48 13-0129 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection.....	927.90	16.21
<b>23 05 48 13-0130 Braided Stainless Steel Flexible Hose Connectors (23 05 48 13-0094)</b>		
Note: Over braided carbon steel connection.		
23 05 48 13-0131 EA 2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	171.96	6.60
23 05 48 13-0132 EA 2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	207.11	6.60
23 05 48 13-0133 EA 2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	241.60	6.60
23 05 48 13-0134 EA 2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	316.29	8.85
23 05 48 13-0135 EA 2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	386.20	8.85
23 05 48 13-0136 EA 2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	456.03	8.85
23 05 48 13-0137 EA 2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	195.20	7.82
23 05 48 13-0138 EA 2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	231.93	7.82
23 05 48 13-0139 EA 2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	268.84	7.82
23 05 48 13-0140 EA 2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	348.43	10.48
23 05 48 13-0141 EA 2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	421.93	10.48
23 05 48 13-0142 EA 2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	494.42	10.48
23 05 48 13-0143 EA 4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	208.20	10.48
23 05 48 13-0144 EA 4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	250.28	10.75
23 05 48 13-0145 LF 4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	292.97	10.48
23 05 48 13-0146 EA 4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	388.04	13.97
23 05 48 13-0147 EA 4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	472.94	13.97
23 05 48 13-0148 EA 4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	560.26	13.97
23 05 48 13-0149 EA 6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	419.17	20.23
23 05 48 13-0150 EA 6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	613.80	20.37
23 05 48 13-0151 EA 6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded.....	822.93	26.84



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 48 Vibration and Seismic Controls for HVAC**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 05 48 13-0152	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,017.64	26.84
23 05 48 13-0153	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,212.29	26.84
23 05 48 13-0154	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	721.17	24.39
23 05 48 13-0155	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	868.42	24.39
23 05 48 13-0156	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,176.71	31.70
23 05 48 13-0157	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,468.83	31.70
23 05 48 13-0158	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,760.86	31.70
23 05 48 13-0159	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	774.61	30.48
23 05 48 13-0160	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,142.75	30.48
23 05 48 13-0161	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,530.03	39.70
23 05 48 13-0162	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,899.46	39.70
23 05 48 13-0163	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,267.32	39.70
23 05 48 13-0164	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,525.56	36.86
23 05 48 13-0165	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	1,984.99	36.86
23 05 48 13-0166	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,484.95	49.59
23 05 48 13-0167	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	2,948.42	49.59
23 05 48 13-0168	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded .....	3,414.04	49.59

**23 05 48 13-0169 Braided Metal Hose Type Flexible Bronze Hose Connectors** (23 05 48 13-0084)

Note: Flanged end connection (carbon steel ends).

23 05 48 13-0170	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	743.82	6.57
23 05 48 13-0171	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,277.06	186.15
23 05 48 13-0172	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,592.74	186.15
23 05 48 13-0173	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,908.43	186.15
23 05 48 13-0174	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,224.24	186.15
23 05 48 13-0175	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,123.63	237.40
23 05 48 13-0176	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,456.29	237.40
23 05 48 13-0177	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,789.07	237.40
23 05 48 13-0178	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,121.98	237.40
23 05 48 13-0179	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,449.06	237.40
23 05 48 13-0180	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,516.90	397.99
23 05 48 13-0181	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	1,905.19	398.98
23 05 48 13-0182	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,299.80	397.99
23 05 48 13-0183	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,740.99	397.99
23 05 48 13-0184	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,078.11	397.99
23 05 48 13-0185	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	2,423.64	505.86
23 05 48 13-0186	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	3,303.42	505.86
23 05 48 13-0187	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	4,183.70	507.67
23 05 48 13-0188	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	5,063.61	505.86
23 05 48 13-0189	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	5,943.39	505.86
23 05 48 13-0190	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	4,172.24	623.29
23 05 48 13-0191	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	4,837.80	623.29
23 05 48 13-0192	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	6,157.41	623.29
23 05 48 13-0193	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	7,477.52	623.29
23 05 48 13-0194	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends) .....	8,797.01	623.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0195	EA		10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	7,004.50	758.79
23 05 48 13-0196	EA		10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	8,662.72	758.79
23 05 48 13-0197	EA		10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	10,332.09	758.79
23 05 48 13-0198	EA		10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	11,997.86	758.79
23 05 48 13-0199	EA		10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	13,344.11	758.79
23 05 48 13-0200	EA		12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	9,585.60	921.39
23 05 48 13-0201	EA		12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	11,689.84	921.39
23 05 48 13-0202	EA		12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	13,793.96	921.39
23 05 48 13-0203	EA		12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	15,898.07	921.39
23 05 48 13-0204	EA		12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends).....	18,002.31	921.39

**23 05 53 Identification for HVAC Piping and Equipment (23 05)**

23 05 53 00-0001 Systems Identification (23 05 53)

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic (23 05 53 00-0001)

Note: Outside diameters of insulation where necessary.

23 05 53 00-0003	EA		1/2" Outside Diameter Snap-On Plastic Marker.....	24.79	
23 05 53 00-0004	EA		3/4" Outside Diameter Snap-On Plastic Marker.....	25.18	
23 05 53 00-0005	EA		1" Outside Diameter Snap-On Plastic Marker.....	25.38	
23 05 53 00-0006	EA		1-1/4" Outside Diameter Snap-On Plastic Marker.....	25.76	
23 05 53 00-0007	EA		1-1/2" Outside Diameter Snap-On Plastic Marker.....	29.74	
23 05 53 00-0008	EA		2" Outside Diameter Snap-On Plastic Marker.....	30.43	
23 05 53 00-0009	EA		2-1/2" Outside Diameter Snap-On Plastic Marker.....	47.61	
23 05 53 00-0010	EA		3" Outside Diameter Snap-On Plastic Marker.....	48.15	
23 05 53 00-0011	EA		3-1/2" Outside Diameter Snap-On Plastic Marker.....	48.73	
23 05 53 00-0012	EA		4" Outside Diameter Snap-On Plastic Marker.....	49.04	
23 05 53 00-0013	EA		4-1/2" Outside Diameter Snap-On Plastic Marker.....	49.37	
23 05 53 00-0014	EA		5" Outside Diameter Snap-On Plastic Marker.....	49.70	
23 05 53 00-0015	EA		6" Outside Diameter Snap-On Plastic Marker.....	52.02	
23 05 53 00-0016	EA		7" Outside Diameter Snap-On Plastic Marker.....	52.39	
23 05 53 00-0017	EA		8" Outside Diameter Snap-On Plastic Marker.....	64.20	
23 05 53 00-0018	EA		10" Outside Diameter Snap-On Plastic Marker.....	66.49	
23 05 53 00-0019	EA		12" Outside Diameter Snap-On Plastic Marker.....	76.68	
23 05 53 00-0020	EA		14" Outside Diameter Snap-On Plastic Marker.....	87.91	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive (23 05 53 00-0001)

Note: Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA		1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	16.59	
23 05 53 00-0023	EA		3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	17.36	
23 05 53 00-0024	EA		1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	18.88	
23 05 53 00-0025	EA		1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	19.18	
23 05 53 00-0026	EA		1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.33	
23 05 53 00-0027	EA		2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	20.80	
23 05 53 00-0028	EA		2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	23.14	
23 05 53 00-0029	EA		3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	23.75	
23 05 53 00-0030	EA		3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	24.20	
23 05 53 00-0031	EA		4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	24.65	
23 05 53 00-0032	EA		4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	25.61	
23 05 53 00-0033	EA		5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	26.63	
23 05 53 00-0034	EA		6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	27.52	
23 05 53 00-0035	EA		7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	28.41	
23 05 53 00-0036	EA		8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	31.05	
23 05 53 00-0037	EA		10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	32.71	
23 05 53 00-0038	EA		12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation.....	38.01	

23 05 53 00-0039 Valve Identification Tag (23 05 53 00-0001)

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA		2" Diameter Identification Tag, Brass.....	14.96	
23 05 53 00-0041	EA		1-1/2" Diameter Identification Tag, Plastic.....	14.19	
23 05 53 00-0042	EA		1-1/2" Diameter Identification Tag, Brass.....	13.95	

**23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment (23 05)**

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)

23 05 66 00-0002	EA		18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO).....	1,069.02	102.82
			Note: Includes tube.		
23 05 66 00-0003	EA		24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO).....	1,116.11	107.90
			Note: Includes tube.		
23 05 66 00-0004	EA		30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO).....	1,120.30	112.52
			Note: Includes tube.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0005	EA		36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO)..... Note: Includes tube.	1,172.59	118.23
23 05 66 00-0006	EA		42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO)..... Note: Includes tube.	1,267.92	123.31
23 05 66 00-0007	EA		62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO)..... Note: Includes tube.	1,187.58	127.17
<b>23 05 66 00-0008</b>			<b>Single Ended Ultraviolet HVAC Microbial Control Fixtures (23 05 66)</b>		
23 05 66 00-0009	EA		12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) ..... Note: Includes tube.	890.14	71.22
23 05 66 00-0010	EA		16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) ..... Note: Includes tube.	903.10	77.07
23 05 66 00-0011	EA		20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) ..... Note: Includes tube.	926.55	81.69
23 05 66 00-0012	EA		24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) ..... Note: Includes tube.	938.76	87.86
23 05 66 00-0013	EA		30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) ..... Note: Includes tube.	962.97	92.49
23 05 66 00-0014	EA		36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) ..... Note: Includes tube.	981.18	97.11
23 05 66 00-0015	EA		42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) ..... Note: Includes tube.	1,004.63	103.28
23 05 66 00-0016	EA		12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) ..... Note: Includes tube.	1,012.42	71.22
23 05 66 00-0017	EA		16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) ..... Note: Includes tube.	1,025.38	77.07
23 05 66 00-0018	EA		20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) ..... Note: Includes tube.	1,048.83	81.69
23 05 66 00-0019	EA		24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) ..... Note: Includes tube.	1,061.04	87.86
23 05 66 00-0020	EA		30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) ..... Note: Includes tube.	1,085.25	92.49
23 05 66 00-0021	EA		36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) ..... Note: Includes tube.	1,103.46	97.11
23 05 66 00-0022	EA		42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) ..... Note: Includes tube.	1,126.91	103.28
23 05 66 00-0023	EA		16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) ..... Note: Includes tube.	711.69	77.07
23 05 66 00-0024	EA		20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) ..... Note: Includes tube.	735.14	81.69
23 05 66 00-0025	EA		24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) ..... Note: Includes tube.	747.35	87.86
23 05 66 00-0026	EA		30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) ..... Note: Includes tube.	771.56	92.49
23 05 66 00-0027	EA		36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) ..... Note: Includes tube.	789.77	97.11
23 05 66 00-0028	EA		42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) ..... Note: Includes tube.	813.22	103.28
<b>23 05 66 00-0029</b>			<b>Fan Coil Unit Ultraviolet Microbial Control Fixtures (23 05 66)</b>		
23 05 66 00-0030	EA		16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	665.69	98.66
23 05 66 00-0031	EA		20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	680.99	103.28
23 05 66 00-0032	EA		24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	696.29	107.90
23 05 66 00-0033	EA		30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	716.52	112.52
23 05 66 00-0034	EA		36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	742.36	118.23
23 05 66 00-0035	EA		42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) ..... Note: Includes tube.	765.26	123.31
<b>23 05 66 00-0036</b>			<b>Ultraviolet HVAC Microbial Control Replacement Parts (23 05 66)</b>		
23 05 66 00-0037	EA		18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO).....	175.95	
23 05 66 00-0038	EA		24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO).....	184.93	
23 05 66 00-0039	EA		30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO).....	209.69	
23 05 66 00-0040	EA		36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO).....	241.47	
23 05 66 00-0041	EA		42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO).....	273.96	
23 05 66 00-0042	EA		62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO).....	275.53	
23 05 66 00-0043	EA		12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO).....	128.41	
23 05 66 00-0044	EA		16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO).....	135.20	
23 05 66 00-0045	EA		20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO).....	152.50	
23 05 66 00-0046	EA		24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO).....	158.54	
23 05 66 00-0047	EA		30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO).....	176.57	
23 05 66 00-0048	EA		36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO).....	188.62	
23 05 66 00-0049	EA		42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO).....	205.91	
23 05 66 00-0050	EA		Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire) .....	510.25	
<b>23 05 66 00-0051</b>			<b>Ultraviolet HVAC Microbial Control Mounting Accessories (23 05 66)</b>		
23 05 66 00-0052	EA		Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610)..... Note: Includes 61" emitter, power supply, wires and connectors.	752.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 05 66 00-0053	EA		Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620).....	953.64	
Note: Includes 61" emitter, power supply, wires and connectors.					
23 05 66 00-0054	EA		Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1).....	446.46	
Note: Includes power supply, wires and connectors. Excludes emitter.					
23 05 66 00-0055	EA		Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2).....	471.11	
Note: Includes power supply, wires and connectors. Excludes emitter.					
23 05 66 00-0056	EA		Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3).....	589.30	
Note: Includes power supply, wires and connectors. Excludes emitter.					
23 05 66 00-0057	EA		Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4).....	372.88	
Note: Includes power supply, wires and connectors. Excludes emitter.					
23 05 66 00-0058	EA		Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5).....	403.20	
Note: Includes power supply, wires and connectors. Excludes emitter.					
23 05 66 00-0059	EA		16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6).....	530.30	
Note: Includes power supply, wires and connectors. Excludes emitter.					
23 05 66 00-0060	EA		12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7).....	523.30	
Note: Includes power supply, wires and connectors. Excludes emitter.					
23 05 66 00-0061	LF		30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101).....	19.81	
23 05 66 00-0062	EA		Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111).....	67.47	
23 05 66 00-0063	EA		Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112).....	23.85	
23 05 66 00-0064	EA		Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113).....	22.63	
23 05 66 00-0065	EA		Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104).....	62.48	
23 05 66 00-0066	EA		Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114).....	71.48	
23 05 66 00-0067	EA		Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108).....	63.71	
23 05 66 00-0068	EA		Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115).....	52.05	
23 05 66 00-0069	EA		ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109).....	49.28	
23 05 66 00-0070	EA		DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223).....	27.51	
23 05 66 00-0071	EA		DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603).....	55.16	
23 05 66 00-0072	EA		Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100).....	27.62	
23 05 66 00-0073	EA		480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503).....	105.56	
23 05 66 00-0074	EA		Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120).....	110.78	

**23 05 66 00-0075 Ultraviolet Duct Disinfection Unit (eLEDLights) (23 05 66)**

23 05 66 00-0076	EA		Two 12" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V12-P1).....	1,515.11	142.58
23 05 66 00-0077	EA		Two 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V18-P1).....	1,691.70	150.29
23 05 66 00-0078	EA		Two 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V24-P1).....	1,757.23	161.85
23 05 66 00-0079	EA		Two 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V30-P1).....	1,839.73	173.41
23 05 66 00-0080	EA		Two 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V36-P1).....	1,896.78	184.97
23 05 66 00-0081	EA		Two 48" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD2L120V48-P1).....	2,276.94	192.68
23 05 66 00-0082	EA		Four 18" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V18-P1).....	2,266.81	150.29
23 05 66 00-0083	EA		Four 24" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V24-P1).....	2,357.79	161.85
23 05 66 00-0084	EA		Four 30" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V30-P1).....	2,720.20	173.41
23 05 66 00-0085	EA		Four 36" Lamps, Duct Mounted, UVC Air Duct Disinfection Unit (eLEDLights UVAD4L120V36-P1).....	2,828.15	184.97

**23 05 66 00-0086 Ultraviolet Germicidal Airborne Duct System (Fresh-Aire UV) (23 05 66)**

Note: Includes 2 Year Warranty

23 05 66 00-0087	EA		Two 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218D-HO).....	1,426.52	150.29
23 05 66 00-0088	EA		Four 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218Q-HO).....	2,424.81	150.29
23 05 66 00-0089	EA		Six 18" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-218H-HO).....	3,424.45	150.29
23 05 66 00-0090	EA		Two 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224D-HO).....	1,465.76	161.85
23 05 66 00-0091	EA		Four 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224Q-HO).....	2,477.49	161.85
23 05 66 00-0092	EA		Six 24" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-224H-HO).....	3,490.57	161.85
23 05 66 00-0093	EA		Two 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232D-HO).....	1,502.32	173.41
23 05 66 00-0094	EA		Four 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232Q-HO).....	2,530.17	173.41
23 05 66 00-0095	EA		Six 32" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-232H-HO).....	3,556.68	173.41
23 05 66 00-0096	EA		Two 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246D-HO).....	1,663.12	192.68
23 05 66 00-0097	EA		Four 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246Q-HO).....	2,789.06	192.68
23 05 66 00-0098	EA		Six 46" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-246H-HO).....	3,915.00	192.68
23 05 66 00-0099	EA		Two 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260D-HO).....	1,947.54	211.95
23 05 66 00-0100	EA		Four 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260Q-HO).....	3,320.70	211.95
23 05 66 00-0101	EA		Six 60" Lamps, Duct Mounted, High Output Airborne Disinfection System (Fresh-Aire UV TUVC-ADS-260H-HO).....	4,692.52	211.95

**23 05 93 Testing, Adjusting, and Balancing for HVAC (23 05)**

Note: Includes all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

**23 05 93 00-0001 Heating And Ventilating Equipment (23 05 93)**

23 05 93 00-0002	EA		Balancing Centrifugal Fans.....	550.13	
For Testing Of Unit Without Balancing, Deduct				-275.07	
23 05 93 00-0003	EA		Balancing Heating And Ventilating Units.....	687.39	
For Testing Of Unit Without Balancing, Deduct				-343.70	
23 05 93 00-0004	EA		Balancing In Line Fan.....	618.90	
For Testing Of Unit Without Balancing, Deduct				-309.45	
23 05 93 00-0005	EA		Balancing Propeller And Wall Fan.....	137.53	
For Testing Of Unit Without Balancing, Deduct				-68.77	
23 05 93 00-0006	EA		Balancing Roof Exhaust Fan.....	412.56	
For Testing Of Unit Without Balancing, Deduct				-206.28	
23 05 93 00-0007	EA		Balancing Wall Fan.....	103.13	
For Testing Of Unit Without Balancing, Deduct				-51.57	
23 05 93 00-0008	EA		Balancing Fan Section Exhaust.....	549.26	
For Testing Of Unit Without Balancing, Deduct				-274.63	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 05 Common Work Results for HVAC****23 05 93 Testing, Adjusting, and Balancing for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0009			<b>Air Conditioning Equipment</b> (23 05 93)		
23 05 93 00-0010	EA		Balancing Constant Volume Air Handling Unit.....	1,113.65	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-556.83	
23 05 93 00-0011	EA		Balancing Package A/C Unit.....	417.62	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-208.81	
23 05 93 00-0012	EA		Balancing Rooftop Heat And Cool Unit.....	556.83	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-278.42	
23 05 93 00-0013	EA		Balancing Variable Volume Air Handling Unit.....	1,948.90	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-974.45	
23 05 93 00-0014			<b>Registers, Diffusers, Terminal Air Units And Dampers</b> (23 05 93)		
23 05 93 00-0015	EA		Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser.....	103.15	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-51.58	
23 05 93 00-0016	EA		Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser.....	171.92	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-85.96	
23 05 93 00-0017	EA		Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser.....	89.39	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-44.70	
23 05 93 00-0018	EA		Balance Variable Air Volume Box.....	96.86	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.43	
23 05 93 00-0019	EA		Balance Constant Volume Box.....	96.86	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.43	
23 05 93 00-0020	EA		Balance Fan Powered Box.....	110.03	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-55.02	
23 05 93 00-0021	EA		Balance Lab Fume Hood.....	447.00	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-223.50	
23 05 93 00-0022	EA		Balance General Hood.....	343.83	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-171.92	
23 05 93 00-0023	EA		Balance Induction Unit.....	206.30	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-103.15	
23 05 93 00-0024	EA		Balance Moduline - Master.....	82.49	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-41.25	
23 05 93 00-0025	EA		Balance Moduline - Slave.....	41.26	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-20.63	
23 05 93 00-0026	EA		Balance Dampers.....	38.31	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-19.16	
23 05 93 00-0027	EA		Balance Regenerators.....	549.26	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-274.63	
23 05 93 00-0028			<b>Water Balancing Of Components</b> (23 05 93)		
23 05 93 00-0029	EA		Water Balance, Air Cool Condenser.....	765.72	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-382.86	
23 05 93 00-0030	EA		Water Balance, Cabinet Heater.....	97.45	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.73	
23 05 93 00-0031	EA		Water Balance, Chiller, Air Cooled.....	835.18	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-417.59	
23 05 93 00-0032	EA		Water Balance, Chiller, Water Cooled.....	1,113.65	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-556.83	
23 05 93 00-0033	EA		Water Balance, Cooling Tower.....	556.83	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-278.42	
23 05 93 00-0034	EA		Water Balance, Fan Coil And Vent.....	139.29	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-69.65	
23 05 93 00-0035	EA		Water Balance, Fin Tube And Radiant Panel.....	139.21	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-69.61	
23 05 93 00-0036	EA		Water Balance, Main And Duct Re-Heat Coil.....	153.13	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-76.57	
23 05 93 00-0037	EA		Water Balance, Pumps.....	417.63	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-208.82	
23 05 93 00-0038	EA		Water Balance, Unit Heater.....	97.44	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-48.72	
23 05 93 00-0039	EA		Water Balancing, Converter.....	417.79	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-208.90	
23 05 93 00-0040	EA		Water Balancing, Cocks And Valves.....	69.59	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-34.80	
23 05 93 00-0041	EA		Water Balance, Convactor.....	83.51	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-41.76	
23 05 93 00-0042	EA		Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves.....	104.40	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-52.20	
23 05 93 00-0043	EA		Water Balance, Boiler, Up To 500 MBH.....	904.85	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-452.43	
23 05 93 00-0044	EA		>500 To 1,000 MBH, Water Balance, Boiler.....	1,670.49	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-835.25	
23 05 93 00-0045	EA		>1,000 MBH, Water Balance, Boiler.....	3,062.57	
			<i>For Testing Of Unit Without Balancing, Deduct</i>	-1,531.29	
23 05 93 00-0046			<b>Non-Destructive Testing</b> (23 05 93)		
23 05 93 00-0047			<b>X-Ray Welds, Non-Destructive Testing</b> (23 05 93 00-0046)		
23 05 93 00-0048			<b>Minimum Charge For X-Ray Welds</b> (23 05 93 00-0047)		
23 05 93 00-0049	EA		X-Ray Welds Minimum Set-Up Charge.....	1,099.50	
			Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 05 93 00-0050 Piping, X-Ray Welds, Non-Destructive Testing (23 05 93 00-0047)**

23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non-Destructive Testing.....	114.70
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non-Destructive Testing .....	130.57
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non-Destructive Testing.....	146.42
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non-Destructive Testing .....	154.72
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non-Destructive Testing .....	163.03
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non-Destructive Testing .....	172.06
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non-Destructive Testing .....	188.67
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non-Destructive Testing .....	205.25
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non-Destructive Testing .....	214.31
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non-Destructive Testing .....	223.35

**23 05 93 00-0061 Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0046)**

**23 05 93 00-0062 Piping, Liquid Penetration Of Welds, Non-Destructive Testing (23 05 93 00-0061)**

23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	137.26
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	144.81
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	152.37
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	156.15
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	161.81
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	167.48
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	178.82
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	190.15
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	201.48
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non-Destructive Testing.....	212.83

**23 05 93 00-0073 Hydrostatic Testing (23 05 93 00-0046)**

Note: Includes flushing and restoring of system.

**23 05 93 00-0074 Piping, Hydrostatic Testing (23 05 93 00-0073)**

23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing.....	994.30
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing .....	1,420.42
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing .....	1,701.95
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing .....	2,267.01
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing.....	3,434.84
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,322.01
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing.....	1,889.17
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,249.01
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	2,947.08
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing.....	4,458.42
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing .....	1,722.92
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing .....	2,455.91
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing.....	2,591.59
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing.....	3,395.19
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing.....	5,136.30
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing .....	2,236.78
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing.....	3,188.90
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing.....	3,369.74
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing.....	4,419.76
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing.....	6,696.62

**23 05 93 00-0095 Pneumatic Testing (23 05 93 00-0046)**

Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

**23 05 93 00-0096 Piping, Pneumatic Testing (23 05 93 00-0095)**

23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing.....	1,130.91
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing .....	1,613.62
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing .....	1,743.48
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing .....	2,233.38
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing .....	3,493.73
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing.....	1,475.66
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,095.29
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,266.34
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	2,903.96
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing.....	4,541.12
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing.....	1,777.43
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing.....	2,508.26
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing.....	2,837.71
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing.....	3,626.27

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 05 Common Work Results for HVAC**

**23 05 93 Testing, Adjusting, and Balancing for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0111	EA		>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	5,678.88	
23 05 93 00-0112	EA		Up To 100', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	2,314.38	
23 05 93 00-0113	EA		>100' To 250', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	3,260.98	
23 05 93 00-0114	EA		>250' To 500', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	3,690.20	
23 05 93 00-0115	EA		>500' To 1,000', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	4,715.18	
23 05 93 00-0116	EA		>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing ..... Note: Includes soaping joints.	7,394.62	
<b>23 05 93 00-0117 EPA Testing Of Sludge (23 05 93)</b>					
23 05 93 00-0118	EA		Flashpoint And Lead Test For Lead.....	1,108.57	
23 05 93 00-0119	EA		Air Test/Combustion Gas Level.....	117.08	
23 05 93 00-0120	EA		Toxicity Test For Heavy Metals.....	1,699.96	
23 05 93 00-0121	EA		Aboveground Tank Water Settlement Test Including Water.....	1,290.78	

**23 07 HVAC Insulation (23)**

**23 07 13 Duct Insulation (23 07)**

Note: Based on SF surface area of duct to receive insulation.

<b>23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation (23 07 13)</b>					
Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.					
<b>23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)</b>					
23 07 13 00-0003	SF	1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	4.66	2.76	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.39		
		<i>For Work In Restricted Working Space, Add</i>	1.10		
23 07 13 00-0004	SF	1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.45	2.76	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.45		
		<i>For Work In Restricted Working Space, Add</i>	1.30		
23 07 13 00-0005	SF	2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	6.16	4.14	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.49		
		<i>For Work In Restricted Working Space, Add</i>	1.48		
23 07 13 00-0006	SF	3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	7.28	4.83	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.61		
		<i>For Work In Restricted Working Space, Add</i>	1.73		
23 07 13 00-0007	SF	4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	8.62	5.25	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.96		
		<i>For Work In Restricted Working Space, Add</i>	1.86		
<b>23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)</b>					
23 07 13 00-0009	SF	1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	5.73	4.14	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.45		
		<i>For Work In Restricted Working Space, Add</i>	1.38		
23 07 13 00-0010	SF	1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	6.69	4.83	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.55		
		<i>For Work In Restricted Working Space, Add</i>	1.59		
23 07 13 00-0011	SF	2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation.....	7.89	5.52	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.65		
		<i>For Work In Restricted Working Space, Add</i>	1.88		
<b>23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation (23 07 13 00-0001)</b>					
23 07 13 00-0013	SF	1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	7.47	5.52	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-0.77		
		<i>For Work In Restricted Working Space, Add</i>	1.67		
23 07 13 00-0014	SF	1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	9.66	6.21	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-1.34		
		<i>For Work In Restricted Working Space, Add</i>	1.90		
23 07 13 00-0015	SF	2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation.....	11.28	6.90	
		<i>For Plain Blanket, With No Facing, Deduct</i>	-1.57		
		<i>For Work In Restricted Working Space, Add</i>	2.21		
<b>23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)</b>					
Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.					
23 07 13 00-0017	SF	1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	12.96	6.75	
		<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	29.91		
		<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	22.16		
		<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	18.27		
		<i>For Work In Restricted Working Space, Add</i>	3.68		
23 07 13 00-0018	SF	1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	16.53	8.21	
		<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	36.92		
		<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	27.71		
		<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	22.75		
		<i>For Work In Restricted Working Space, Add</i>	4.47		
23 07 13 00-0019	SF	2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation.....	20.54	9.91	
		<i>For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add</i>	44.96		
		<i>For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add</i>	34.03		
		<i>For Non-Metallic Weatherproof Paste, 2 LB, Add</i>	27.87		
		<i>For Work In Restricted Working Space, Add</i>	5.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 07 13 00-0020</b>			<b>4.253 LB/CF FSK Rigid Fiber Glass Board Insulation (23 07 13)</b> Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.		
23 07 13 00-0021	SF		1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	14.51	7.43
			<i>For Work In Restricted Working Space, Add</i>	4.05	
23 07 13 00-0022	SF		1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation .....	18.71	9.04
			<i>For Work In Restricted Working Space, Add</i>	4.92	
23 07 13 00-0023	SF		2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation.....	23.83	10.90
			<i>For Work In Restricted Working Space, Add</i>	5.94	

<b>23 07 13 00-0024</b>			<b>Sheet Flexible Elastomeric Insulation (23 07 13)</b>		
23 07 13 00-0025	SF		3/8" Thick, Sheet Flexible Elastomeric Insulation .....	10.53	3.72
23 07 13 00-0026	SF		1/2" Thick, Sheet Flexible Elastomeric Insulation .....	11.25	3.93
23 07 13 00-0027	SF		3/4" Thick, Sheet Flexible Elastomeric Insulation .....	14.63	4.14
23 07 13 00-0028	SF		1" Thick, Sheet Flexible Elastomeric Insulation .....	16.81	4.35
23 07 13 00-0029	SF		1-1/2" Thick, Sheet Flexible Elastomeric Insulation .....	23.10	4.76
23 07 13 00-0030	SF		2" Thick, Sheet Flexible Elastomeric Insulation .....	27.27	5.17

<b>23 07 13 00-0031</b>			<b>Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)</b> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0032	SF		1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	15.39	3.93
23 07 13 00-0033	SF		3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	16.91	4.14
23 07 13 00-0034	SF		1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	18.80	4.35
23 07 13 00-0035	SF		1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	29.06	4.76
23 07 13 00-0036	SF		2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	34.38	5.17

<b>23 07 13 00-0037</b>			<b>Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation (23 07 13)</b> Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.		
23 07 13 00-0038	SF		1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	18.34	3.93
23 07 13 00-0039	SF		3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	19.85	4.14
23 07 13 00-0040	SF		1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	22.27	4.35
23 07 13 00-0041	SF		1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation .....	32.49	4.76

**23 07 16 HVAC Equipment Insulation (23 07)**

<b>23 07 16 00-0001</b>			<b>Calcium Silicate Block Insulation (23 07 16)</b>		
23 07 16 00-0002	SF		1" Thick, Calcium Silicate Block Insulation .....	19.88	8.11
			<i>For Work In Restricted Working Space, Add</i>	4.86	
23 07 16 00-0003	SF		1-1/2" Thick, Calcium Silicate Block Insulation .....	23.75	9.13
			<i>For Work In Restricted Working Space, Add</i>	5.47	
23 07 16 00-0004	SF		2" Thick, Calcium Silicate Block Insulation .....	28.47	10.52
			<i>For Work In Restricted Working Space, Add</i>	6.34	
23 07 16 00-0005	SF		2-1/2" Thick, Calcium Silicate Block Insulation .....	33.89	12.36
			<i>For Work In Restricted Working Space, Add</i>	7.41	
23 07 16 00-0006	SF		3" Thick, Calcium Silicate Block Insulation .....	41.43	15.20
			<i>For Work In Restricted Working Space, Add</i>	9.12	

**23 07 19 HVAC Piping Insulation (23 07)**

See CSI section 22 07 19 00-0000 for pipe insulation.

<b>23 07 19 00-0001</b>			<b>Calcium Silicate Pipe Insulation (23 07 19)</b> Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0535 for protective jacketing.		
<b>23 07 19 00-0002</b>			<b>1" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0003	LF		1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	15.24	4.54
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 07 19 00-0004	LF		3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	15.24	4.54
			<i>For Work In Restricted Working Space, Add</i>	3.40	
23 07 19 00-0005	LF		1" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	15.23	4.60
			<i>For Work In Restricted Working Space, Add</i>	3.45	
23 07 19 00-0006	LF		1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	15.47	4.67
			<i>For Work In Restricted Working Space, Add</i>	3.50	
23 07 19 00-0007	LF		1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	15.66	4.73
			<i>For Work In Restricted Working Space, Add</i>	3.55	
23 07 19 00-0008	LF		2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	16.57	4.86
			<i>For Work In Restricted Working Space, Add</i>	3.65	
23 07 19 00-0009	LF		2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	17.32	5.06
			<i>For Work In Restricted Working Space, Add</i>	3.80	
23 07 19 00-0010	LF		3" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	18.00	5.19
			<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0011	LF		4" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	20.24	5.59
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 07 19 00-0012	LF		6" Diameter Pipe, 1" Thick Calcium Silicate Insulation .....	22.62	6.30
			<i>For Work In Restricted Working Space, Add</i>	4.73	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0013			<b>1-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0014	LF		1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.93 3.54	4.72
23 07 19 00-0015	LF		3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	15.99 3.54	4.72
23 07 19 00-0016	LF		1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.09 3.76	5.00
23 07 19 00-0017	LF		1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	17.67 3.83	5.10
23 07 19 00-0018	LF		1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	18.28 3.90	5.19
23 07 19 00-0019	LF		2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.53 4.11	5.48
23 07 19 00-0020	LF		2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.30 4.18	5.58
23 07 19 00-0021	LF		3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.04 4.32	5.76
23 07 19 00-0022	LF		4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.27 4.67	6.23
23 07 19 00-0023	LF		6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.04 5.46	7.27
23 07 19 00-0024	LF		8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	30.93 5.76	7.68
23 07 19 00-0025	LF		10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	38.50 6.89	9.19
23 07 19 00-0026	LF		12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	45.18 8.03	10.70
23 07 19 00-0027	LF		14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	50.14 8.80	11.73
23 07 19 00-0028	LF		16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	60.63 11.20	14.93
23 07 19 00-0029	LF		18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	64.96 11.76	15.68
23 07 19 00-0030			<b>2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0031	LF		1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.49 3.89	5.19
23 07 19 00-0032	LF		3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	19.84 3.89	5.19
23 07 19 00-0033	LF		1" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	20.37 3.94	5.26
23 07 19 00-0034	LF		1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.04 3.99	5.33
23 07 19 00-0035	LF		1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	21.56 4.04	5.39
23 07 19 00-0036	LF		2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	22.45 4.19	5.59
23 07 19 00-0037	LF		2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.65 4.34	5.78
23 07 19 00-0038	LF		3" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	25.19 4.49	5.98
23 07 19 00-0039	LF		4" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	27.62 4.73	6.31
23 07 19 00-0040	LF		6" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	33.69 5.68	7.57
23 07 19 00-0041	LF		8" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	37.57 5.99	7.99
23 07 19 00-0042	LF		10" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	46.01 7.17	9.56
23 07 19 00-0043	LF		12" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	53.19 8.59	11.45
23 07 19 00-0044	LF		14" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	66.94 11.98	15.98
23 07 19 00-0045	LF		16" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	69.70 11.98	15.98
23 07 19 00-0046	LF		18" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	74.40 12.58	16.77
23 07 19 00-0047	LF		20" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	87.91 14.38	19.18
23 07 19 00-0048	LF		24" Diameter Pipe, 2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	103.16 17.37	23.17
23 07 19 00-0049			<b>2-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0050	LF		1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.15 4.49	5.99
23 07 19 00-0051	LF		3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.52 4.49	5.99
23 07 19 00-0052	LF		1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	23.93 4.56	6.08
23 07 19 00-0053	LF		1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.14 4.60	6.13
23 07 19 00-0054	LF		1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	24.66 4.63	6.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0055	LF		2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	25.70 4.82	6.44
23 07 19 00-0056	LF		2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.36 4.99	6.65
23 07 19 00-0057	LF		3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.95 5.17	6.89
23 07 19 00-0058	LF		4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	32.80 5.45	7.26
23 07 19 00-0059	LF		6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	40.10 6.19	8.25
23 07 19 00-0060	LF		8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.57 6.90	9.20
23 07 19 00-0061	LF		10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	54.08 7.96	10.61
23 07 19 00-0062	LF		12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	63.70 9.89	13.18
23 07 19 00-0063	LF		14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	70.29 10.80	14.39
23 07 19 00-0064	LF		16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	86.19 13.80	18.40
23 07 19 00-0065	LF		18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	90.90 14.49	19.32
23 07 19 00-0066	LF		20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	105.16 16.56	22.08
23 07 19 00-0067	LF		24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	124.23 20.01	26.68
<b>23 07 19 00-0068</b>			<b>3" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0069	LF		1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.35 4.97	6.63
23 07 19 00-0070	LF		3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.44 4.97	6.63
23 07 19 00-0071	LF		1" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.70 5.02	6.70
23 07 19 00-0072	LF		1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	28.99 5.06	6.74
23 07 19 00-0073	LF		1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	29.26 5.11	6.81
23 07 19 00-0074	LF		2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	30.27 5.30	7.07
23 07 19 00-0075	LF		2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.12 5.48	7.31
23 07 19 00-0076	LF		3" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	33.87 5.68	7.57
23 07 19 00-0077	LF		4" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.08 5.99	8.00
23 07 19 00-0078	LF		6" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	45.99 6.81	9.08
23 07 19 00-0079	LF		8" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	53.04 7.59	10.12
23 07 19 00-0080	LF		10" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	62.69 8.75	11.67
23 07 19 00-0081	LF		12" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	73.34 10.88	14.50
23 07 19 00-0082	LF		14" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	81.17 11.88	15.84
23 07 19 00-0083	LF		16" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	96.53 15.18	20.23
23 07 19 00-0084	LF		18" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	103.57 15.94	21.25
23 07 19 00-0085	LF		20" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	120.73 18.23	24.30
23 07 19 00-0086	LF		24" Diameter Pipe, 3" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	143.37 22.01	29.35
<b>23 07 19 00-0087</b>			<b>3-1/2" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0088	LF		1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	35.07 5.45	7.26
23 07 19 00-0089	LF		3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.14 5.45	7.26
23 07 19 00-0090	LF		1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.26 5.48	7.31
23 07 19 00-0091	LF		1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	36.37 5.52	7.35
23 07 19 00-0092	LF		1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	37.39 5.59	7.45
23 07 19 00-0093	LF		2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	39.49 5.78	7.70
23 07 19 00-0094	LF		2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	42.53 5.98	7.97
23 07 19 00-0095	LF		3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	44.04 6.19	8.25
23 07 19 00-0096	LF		4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	49.54 6.54	8.73
23 07 19 00-0097	LF		6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation <i>For Work In Restricted Working Space, Add</i>	55.44 7.43	9.91



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 07 HVAC Insulation****23 07 19 HVAC Piping Insulation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0098	LF		8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	66.57 8.27	11.04
23 07 19 00-0099	LF		10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	80.29 9.55	12.73
23 07 19 00-0100	LF		12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	97.57 11.87	15.83
23 07 19 00-0101	LF		14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	103.34 12.96	17.28
23 07 19 00-0102	LF		16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	122.27 16.56	22.08
23 07 19 00-0103	LF		18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	138.48 17.39	23.19
23 07 19 00-0104	LF		20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	150.79 19.89	26.52
<b>23 07 19 00-0105</b>			<b>4" Thick, Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0106	LF		1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	42.88 6.05	8.06
23 07 19 00-0107	LF		3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	42.91 6.05	8.06
23 07 19 00-0108	LF		1" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	43.27 6.16	8.20
23 07 19 00-0109	LF		1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	44.34 6.23	8.30
23 07 19 00-0110	LF		1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	46.74 6.42	8.56
23 07 19 00-0111	LF		2" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	47.79 6.62	8.83
23 07 19 00-0112	LF		2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	51.57 6.72	8.97
23 07 19 00-0113	LF		3" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	53.14 6.97	9.29
23 07 19 00-0114	LF		4" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	59.65 7.36	9.80
23 07 19 00-0115	LF		6" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	68.80 8.35	11.13
23 07 19 00-0116	LF		8" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	81.21 9.31	12.41
23 07 19 00-0117	LF		10" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	93.55 10.75	14.33
23 07 19 00-0118	LF		12" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	107.87 13.35	17.80
23 07 19 00-0119	LF		14" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	115.20 14.59	19.45
23 07 19 00-0120	LF		16" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	138.08 18.65	24.86
23 07 19 00-0121	LF		18" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	146.50 19.55	26.06
23 07 19 00-0122	LF		20" Diameter Pipe, 4" Thick Calcium Silicate Insulation ..... <i>For Work In Restricted Working Space, Add</i>	163.02 22.37	29.83
<b>23 07 19 00-0123</b>			<b>Weather-Protective Coating For Calcium Silicate Pipe Insulation (23 07 19 00-0001)</b>		
23 07 19 00-0124	SF		1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulokote ET) ..... <i>For Work In Restricted Working Space, Add</i>	6.69 1.28	
<b>23 07 19 00-0125</b>			<b>Mineral Wool Pipe Insulation (23 07 19)</b>		
			Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0535 for protective jacketing.		
<b>23 07 19 00-0126</b>			<b>1" Thick Mineral Wool Pipe Insulation (23 07 19 00-0125)</b>		
23 07 19 00-0127	LF		1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	20.58 3.40	4.14
23 07 19 00-0128	LF		3/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	20.92 3.40	4.14
23 07 19 00-0129	LF		1" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	21.43 3.45	4.14
23 07 19 00-0130	LF		1-1/4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	21.87 3.50	4.28
23 07 19 00-0131	LF		1-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	22.44 3.55	4.28
23 07 19 00-0132	LF		2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	25.17 3.65	4.42
23 07 19 00-0133	LF		2-1/2" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	26.46 3.80	4.69
23 07 19 00-0134	LF		3" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	27.30 3.89	4.83
23 07 19 00-0135	LF		4" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	31.52 4.19	5.10
23 07 19 00-0136	LF		5" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	34.79 4.46	5.52
23 07 19 00-0137	LF		6" Diameter Pipe, 1" Thick, Mineral Wool Insulation With Cloth Covering ..... <i>For Work In Restricted Working Space, Add</i>	36.99 4.73	5.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 07 19 00-0138</b>			<b>1-1/2" Thick Mineral Wool Pipe Insulation (23 07 19 00-0125)</b>		
23 07 19 00-0139	LF		1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	27.61	4.27
			<i>For Work In Restricted Working Space, Add</i>	3.54	
23 07 19 00-0140	LF		3/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	27.99	4.27
			<i>For Work In Restricted Working Space, Add</i>	3.54	
23 07 19 00-0141	LF		1" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	28.97	4.51
			<i>For Work In Restricted Working Space, Add</i>	3.76	
23 07 19 00-0142	LF		1-1/4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	29.51	4.61
			<i>For Work In Restricted Working Space, Add</i>	3.83	
23 07 19 00-0143	LF		1-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	30.64	4.69
			<i>For Work In Restricted Working Space, Add</i>	3.90	
23 07 19 00-0144	LF		2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	32.29	4.94
			<i>For Work In Restricted Working Space, Add</i>	4.11	
23 07 19 00-0145	LF		2-1/2" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	34.24	5.02
			<i>For Work In Restricted Working Space, Add</i>	4.18	
23 07 19 00-0146	LF		3" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	35.56	5.20
			<i>For Work In Restricted Working Space, Add</i>	4.32	
23 07 19 00-0147	LF		4" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	41.00	5.63
			<i>For Work In Restricted Working Space, Add</i>	4.67	
23 07 19 00-0148	LF		5" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	44.07	6.10
			<i>For Work In Restricted Working Space, Add</i>	5.07	
23 07 19 00-0149	LF		6" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	46.18	6.57
			<i>For Work In Restricted Working Space, Add</i>	5.46	
23 07 19 00-0150	LF		8" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	55.85	6.93
			<i>For Work In Restricted Working Space, Add</i>	5.76	
23 07 19 00-0151	LF		10" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	69.38	8.29
			<i>For Work In Restricted Working Space, Add</i>	6.89	
23 07 19 00-0152	LF		12" Diameter Pipe, 1-1/2" Thick, Mineral Wool Insulation With Cloth Covering	79.69	9.66
			<i>For Work In Restricted Working Space, Add</i>	8.03	

<b>23 07 19 00-0153</b>			<b>2" Thick Mineral Wool Pipe Insulation (23 07 19 00-0125)</b>		
23 07 19 00-0154	LF		1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	33.42	4.69
			<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0155	LF		3/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	34.17	4.69
			<i>For Work In Restricted Working Space, Add</i>	3.89	
23 07 19 00-0156	LF		1" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	35.60	4.83
			<i>For Work In Restricted Working Space, Add</i>	3.94	
23 07 19 00-0157	LF		1-1/4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	37.41	4.83
			<i>For Work In Restricted Working Space, Add</i>	3.99	
23 07 19 00-0158	LF		1-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	38.59	4.97
			<i>For Work In Restricted Working Space, Add</i>	4.04	
23 07 19 00-0159	LF		2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	40.28	5.10
			<i>For Work In Restricted Working Space, Add</i>	4.19	
23 07 19 00-0160	LF		2-1/2" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	44.26	5.25
			<i>For Work In Restricted Working Space, Add</i>	4.34	
23 07 19 00-0161	LF		3" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	46.79	5.52
			<i>For Work In Restricted Working Space, Add</i>	4.49	
23 07 19 00-0162	LF		4" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	52.87	5.80
			<i>For Work In Restricted Working Space, Add</i>	4.73	
23 07 19 00-0163	LF		5" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	58.53	6.30
			<i>For Work In Restricted Working Space, Add</i>	5.21	
23 07 19 00-0164	LF		6" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	61.75	6.81
			<i>For Work In Restricted Working Space, Add</i>	5.68	
23 07 19 00-0165	LF		8" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	71.93	7.19
			<i>For Work In Restricted Working Space, Add</i>	5.99	
23 07 19 00-0166	LF		10" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	87.45	8.59
			<i>For Work In Restricted Working Space, Add</i>	7.17	
23 07 19 00-0167	LF		12" Diameter Pipe, 2" Thick, Mineral Wool Insulation With Cloth Covering	99.14	9.66
			<i>For Work In Restricted Working Space, Add</i>	8.59	

**23 08 Commissioning of HVAC (23)**

See CSI section 23 05 93 00-0000 for testing and balancing.

**23 09 Instrumentation and Control for HVAC (23)**

**23 09 23 Direct-Digital Control System for HVAC (23 09)**

**23 09 23 11 Control Valves (23 09 23)**

<b>23 09 23 11-0001</b>			<b>Valves With Actuator (23 09 23 11)</b>		
23 09 23 11-0002	EA		1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	845.95	19.50
23 09 23 11-0003	EA		3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	875.97	26.28
23 09 23 11-0004	EA		1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	959.27	31.81
23 09 23 11-0005	EA		1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	1,047.81	40.31
23 09 23 11-0006	EA		1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	1,193.66	46.51
23 09 23 11-0007	EA		2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	1,349.50	54.96
23 09 23 11-0008	EA		2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	2,525.17	109.92
23 09 23 11-0009	EA		3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	2,739.22	128.62
23 09 23 11-0010	EA		4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	3,700.16	188.91
23 09 23 11-0011	EA		5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	5,441.79	273.01
23 09 23 11-0012	EA		6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	6,027.58	302.27
23 09 23 11-0013	EA		1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	911.60	29.25
23 09 23 11-0014	EA		3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	941.38	39.43
23 09 23 11-0015	EA		1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	1,020.78	47.73

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0016	EA		1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US) .....	1,132.99	60.45
23 09 23 11-0017	EA		1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US) .....	1,453.81	69.75
23 09 23 11-0018	EA		2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US) .....	1,613.66	82.44
23 09 23 11-0019	EA		2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1) .....	2,853.71	164.87
23 09 23 11-0020	EA		3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1) .....	3,138.94	192.94
23 09 23 11-0021	EA		4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2"GMX24-MFTX1) .....	4,568.32	283.38
23 09 23 11-0022	EA		5" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1) .....	6,625.91	409.52
23 09 23 11-0023	EA		6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2"GMX24-MFTX1) .....	7,365.54	453.40
23 09 23 11-0024	EA		1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC) .....	151.28	19.50
23 09 23 11-0025	EA		3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC) .....	179.74	26.28
23 09 23 11-0026	EA		1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC) .....	225.92	31.81
23 09 23 11-0027	EA		1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC) .....	187.16	29.25
23 09 23 11-0028	EA		3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC) .....	220.82	39.43
23 09 23 11-0029	EA		1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC) .....	275.55	47.73
23 09 23 11-0030	EA		1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3) .....	246.64	19.50
23 09 23 11-0031	EA		3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3) .....	293.63	26.28
23 09 23 11-0032	EA		1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3) .....	334.76	31.81
23 09 23 11-0033	EA		1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3) .....	435.12	40.31
23 09 23 11-0034	EA		1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3) .....	451.98	46.51
23 09 23 11-0035	EA		2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3) .....	574.11	54.96
23 09 23 11-0036	EA		2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3) .....	1,230.11	109.92
23 09 23 11-0037	EA		3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3) .....	1,444.08	128.62
23 09 23 11-0038	EA		1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3) .....	301.05	29.25
23 09 23 11-0039	EA		3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3) .....	350.36	39.43
23 09 23 11-0040	EA		1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3) .....	450.95	47.73
23 09 23 11-0041	EA		1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3) .....	636.99	60.45
23 09 23 11-0042	EA		1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3) .....	673.87	69.75
23 09 23 11-0043	EA		2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3) .....	889.15	82.44
23 09 23 11-0044	EA		2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1) .....	739.11	100.76
23 09 23 11-0045	EA		2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1) .....	777.71	109.92
23 09 23 11-0046	EA		3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1) .....	1,016.23	128.62
23 09 23 11-0047	EA		4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2"GMB24-3X1) .....	1,559.24	215.91
23 09 23 11-0048	EA		5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24) .....	3,076.30	273.01
23 09 23 11-0049	EA		6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24) .....	3,251.11	302.27
23 09 23 11-0050	EA		8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24) .....	4,396.96	345.45
23 09 23 11-0051	EA		10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24) .....	5,394.42	423.17
23 09 23 11-0052	EA		12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24) .....	6,662.86	512.94
23 09 23 11-0053	EA		14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24) .....	7,417.28	604.53
23 09 23 11-0054	EA		16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110) .....	9,757.45	664.99
23 09 23 11-0055	EA		18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110) .....	11,799.92	738.74
23 09 23 11-0056	EA		2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1) .....	1,352.28	151.14
23 09 23 11-0057	EA		2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1) .....	1,587.90	164.87
23 09 23 11-0058	EA		3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2"GMB24-3X1) .....	1,956.27	192.94
23 09 23 11-0059	EA		4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2"GMB24-3X1) .....	2,538.78	323.86
23 09 23 11-0060	EA		5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24) .....	5,103.03	409.52
23 09 23 11-0061	EA		6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24) .....	5,294.62	453.40
23 09 23 11-0062	EA		8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24) .....	6,654.21	518.22
23 09 23 11-0063	EA		10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24) .....	8,788.66	634.76
23 09 23 11-0064	EA		12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24) .....	10,681.77	769.40
23 09 23 11-0065	EA		14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110) .....	16,557.93	906.81
23 09 23 11-0066	EA		16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110) .....	18,457.79	997.47
23 09 23 11-0067	EA		18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110) .....	28,246.66	1,108.11

**23 09 23 11-0068 Valve Actuators (23 09 23 11)**

23 09 23 11-0069	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T) .....	558.17	124.87
23 09 23 11-0070	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3) .....	565.65	124.87
23 09 23 11-0071	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T) .....	680.32	124.87
23 09 23 11-0072	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S) .....	627.76	124.87
23 09 23 11-0073	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR) .....	638.67	124.87
23 09 23 11-0074	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT) .....	710.33	124.87
23 09 23 11-0075	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1) .....	843.09	124.87
23 09 23 11-0076	EA		24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95) .....	859.69	124.87
23 09 23 11-0077	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT) .....	899.73	124.87
23 09 23 11-0078	EA		120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3) .....	663.36	124.87
23 09 23 11-0079	EA		120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR) .....	747.37	124.87
23 09 23 11-0080	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T) .....	674.83	124.87
23 09 23 11-0081	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3) .....	685.77	124.87
23 09 23 11-0082	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14) .....	689.86	124.87
23 09 23 11-0083	EA		24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S) .....	764.23	124.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0084	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T).....	796.30	124.87
23 09 23 11-0085	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR).....	813.35	124.87
23 09 23 11-0086	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT).....	809.96	124.87
23 09 23 11-0087	EA		24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC).....	820.87	124.87
23 09 23 11-0088	EA		24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95).....	820.18	124.87
23 09 23 11-0089	EA		24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4).....	890.95	124.87
23 09 23 11-0090	EA		24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4).....	1,069.94	124.87
23 09 23 11-0091	EA		100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3).....	727.37	124.87
23 09 23 11-0092	EA		100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR).....	858.41	124.87
23 09 23 11-0093	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24).....	1,886.05	124.87
23 09 23 11-0094	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24).....	2,109.86	124.87
23 09 23 11-0095	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24).....	2,524.06	124.87
23 09 23 11-0096	EA		24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24).....	2,853.64	124.87
23 09 23 11-0097	EA		120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110).....	3,370.20	124.87
23 09 23 11-0098	EA		120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110).....	3,962.51	124.87
23 09 23 11-0099	EA		120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110).....	5,324.52	124.87
23 09 23 11-0100	EA		120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110).....	6,490.68	124.87

**23 09 23 12 Control Dampers (23 09 23)**

**23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers (23 09 23 12)**

Note: Excludes actuators.

23 09 23 12-0002	EA		8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008).....	223.17	42.64
23 09 23 12-0003	EA		10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010).....	251.55	46.76
23 09 23 12-0004	EA		12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012).....	281.28	51.58
23 09 23 12-0005	EA		14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014).....	325.21	60.51
23 09 23 12-0006	EA		16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016).....	367.77	68.76
23 09 23 12-0007	EA		18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018).....	371.94	77.36
23 09 23 12-0008	EA		20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020).....	456.49	85.96
23 09 23 12-0009	EA		24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024).....	545.17	103.15
23 09 23 12-0010	EA		32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032).....	700.10	120.34
23 09 23 12-0011	EA		48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048).....	1,039.66	137.53
23 09 23 12-0012	EA		60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060).....	1,907.07	154.73
23 09 23 12-0013	EA		72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072).....	2,422.60	171.92

**23 09 23 12-0014 Round Galvanized Control Dampers (23 09 23 12)**

Note: Excludes actuators.

23 09 23 12-0015	EA		6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06).....	216.83	48.14
23 09 23 12-0016	EA		8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08).....	223.81	51.58
23 09 23 12-0017	EA		10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10).....	233.48	51.58
23 09 23 12-0018	EA		12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12).....	259.18	58.45
23 09 23 12-0019	EA		14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14).....	295.00	58.45
23 09 23 12-0020	EA		16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16).....	319.99	68.76
23 09 23 12-0021	EA		18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18).....	429.92	72.38
23 09 23 12-0022	EA		20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20).....	449.49	75.03
23 09 23 12-0023	EA		22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22).....	476.99	80.88
23 09 23 12-0024	EA		24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24).....	505.03	86.74

**23 09 23 12-0025 Control Damper Actuators (23 09 23 12)**

23 09 23 12-0026	EA		44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR).....	581.43	113.63
23 09 23 12-0027	EA		90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR).....	628.50	113.63
23 09 23 12-0028	EA		90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP).....	705.61	113.63
23 09 23 12-0029	EA		175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR).....	742.46	113.63
23 09 23 12-0030	EA		90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR).....	764.32	113.63
23 09 23 12-0031	EA		360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR).....	850.29	113.63

**23 09 23 12-0032 Remote Damper Control (23 09 23 12)**

23 09 23 12-0033	EA		Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B).....	323.21	
			<i>For Each 10' Flexible Casing And Wire, Add</i>	42.22	
23 09 23 12-0034	EA		Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B).....	314.58	
			<i>For Each 10' Flexible Casing And Wire, Add</i>	42.22	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**23 09 23 14 Flow Instruments (23 09 23)****23 09 23 14-0001 Water Flow Meters (23 09 23 14)**

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) .....	5,486.34	134.06
Note: Excludes pipe fittings.				

**23 09 23 14-0003 Air Flow Monitoring Stations (23 09 23 14)**

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebron GTA116) .....	4,282.41	132.03
Note: 10' cable, 36" x 24" typical duct size.				
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebron GTA116) .....	6,140.41	132.03
Note: 10' cable, 48" x 36" typical duct size.				
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebron GTA116) .....	7,637.42	132.03
Note: 10' cable, 60" x 48" typical duct size.				

**23 09 23 16 Gas Instruments (23 09 23)****23 09 23 16-0001 Gas Sensors (23 09 23 16)**

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B).....	2,283.85	74.14
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD) .....	1,015.56	49.42
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2).....	1,821.22	74.14
Note: Solid state sensor.				
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD) .....	1,008.52	88.96

**23 09 23 19 Moisture Instruments (23 09 23)****23 09 23 19-0001 Relative Humidity Sensors (23 09 23 19)**

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K).....	641.73	88.96
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3) .....	658.25	88.96
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K).....	754.54	123.55
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K) .....	568.12	49.42

**23 09 23 21 Motion Instruments (23 09 23)****23 09 23 21-0001 Peco Motion Sensors (23 09 23 21)**

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001).....	211.54	34.75
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001).....	207.59	34.75
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001) .....	273.74	34.75
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002) .....	244.55	34.75
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001).....	84.14	34.75
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002).....	78.71	34.75
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001).....	134.64	34.75

**23 09 23 23 Pressure Instruments (23 09 23)****23 09 23 23-0001 Pressure Sensors (23 09 23 23)**

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005).....	850.04	104.34
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050).....	761.25	104.34
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222).....	331.65	104.34
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262) .....	341.97	104.34
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460) .....	362.16	104.34
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145) .....	338.98	104.34
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) .....	3,012.36	104.34
Note: Excludes pipe fittings.				
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) .....	3,012.36	104.34
Note: Excludes pipe fittings.				
23 09 23 23-0010	EA	Magnahelic Gauge.....	849.49	63.79

**23 09 23 23-0011 Room Pressure Monitoring (23 09 23 23)**

23 09 23 23-0012	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM) .....	3,539.79	68.76
23 09 23 23-0013	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC).....	5,700.95	68.76
Note: Excludes dampers and actuators.				
23 09 23 23-0014	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4).....	450.38	41.26
23 09 23 23-0015	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7).....	519.35	41.26

**23 09 23 27 Temperature Instruments (23 09 23)****23 09 23 27-0001 Air Temperature Sensors (23 09 23 27)**

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24).....	260.99	88.96
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO) .....	349.77	88.96
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG).....	271.20	88.96
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH) .....	281.68	88.96
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18).....	285.16	88.96
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6).....	281.71	88.96
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non-Metallic Handibox Housing (Kele ST-D24-XHP) .....	283.57	88.96



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0009	EA		10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4).....	301.21	88.96
23 09 23 27-0010	EA		10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW).....	316.62	88.96
23 09 23 27-0011	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24).....	390.51	123.55
23 09 23 27-0012	EA		10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25).....	402.37	123.55
23 09 23 27-0013	EA		Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF).....	173.71	49.42
23 09 23 27-0014	EA		Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R).....	178.07	49.42
23 09 23 27-0015	EA		Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP).....	166.61	49.42
<b>23 09 23 27-0016</b>			<b>Water Temperature Sensors (23 09 23 27)</b>		
23 09 23 27-0017	EA		5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001).....	206.92	95.60
23 09 23 27-0018	EA		Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005).....	482.44	95.60
<b>23 09 23 27-0019</b>			<b>Peco Thermostats (23 09 23 27)</b>		
23 09 23 27-0020	EA		3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ).....	444.78	23.16
23 09 23 27-0021	EA		3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001).....	399.54	23.16
<b>23 09 23 53</b>			<b>Proprietary Control Systems (23 09 23)</b>		
<b>23 09 23 53-0001</b>			<b>EMCS General Costs (23 09 23 53)</b>		
<b>23 09 23 53-0002</b>			<b>EMCS System Design Services (23 09 23 53-0001)</b>		
			Note: Hourly labor rates for use with Site Inspection, Project Management, Engineering, Design, Programming, Training and Technical Support.		
23 09 23 53-0003	HR		EMCS Site Inspection Of Existing Facilities.....	382.24	
23 09 23 53-0004	HR		EMCS Engineering Project Management.....	382.24	
23 09 23 53-0005	HR		EMCS System Engineering, Schematic Design And Layout.....	405.41	
23 09 23 53-0006	HR		EMCS System Software Programming And Graphics Programming.....	405.41	
23 09 23 53-0007	HR		EMCS Graphics Picture Creation.....	260.70	
23 09 23 53-0008	HR		EMCS System Controls Training.....	382.24	
23 09 23 53-0009	HR		EMCS On Site System Diagnostics Field Technician.....	382.24	
23 09 23 53-0010	HR		EMCS Remote Technical Support Using Phone Or Internet.....	318.61	
23 09 23 53-0011	HR		EMCS Travel Time (All Personnel).....	330.19	
<b>23 09 23 53-0012</b>			<b>Field Tests, Checkout And Commissioning (23 09 23 53-0001)</b>		
			Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0013	PNT		EMCS Field Test.....	202.78	
			Note: Priced per point.		
23 09 23 53-0014	PNT		EMCS Field Checkout And Startup.....	202.78	
			Note: Priced per point.		
23 09 23 53-0015	PNT		EMCS Field Commissioning.....	202.78	
			Note: Priced per point.		
23 09 23 53-0016	EA		EMCS Field Balance Support.....	173.75	
			Note: Priced per controller.		
<b>23 09 23 53-0017</b>			<b>EMCS System Engineering/Submittal Design And Layout (23 09 23 53-0001)</b>		
			Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.		
23 09 23 53-0018	PNT		EMCS System Engineering/Submittal Design And Layout.....	67.65	
			Note: Priced per point.		
<b>23 09 23 53-0019</b>			<b>Alerton Controls (23 09 23 53)</b>		
23 09 23 53-0020	EA		50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL).....	10,565.27	
23 09 23 53-0021	EA		150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM).....	13,360.77	
23 09 23 53-0022	EA		Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM).....	32,669.10	
23 09 23 53-0023	EA		Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE).....	24,693.92	
23 09 23 53-0024	EA		Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE).....	62,471.07	
23 09 23 53-0025	EA		Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE).....	49,424.52	
23 09 23 53-0026	EA		Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE).....	75,063.44	
23 09 23 53-0027	EA		Alerton Building Suite Tech License (Alerton ABS-3-TECH).....	2,160.53	
23 09 23 53-0028	EA		Enterprise Edition With SQL Server Support, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-ENT1).....	28,941.75	
23 09 23 53-0029	EA		Unlimited Controllers, Unlimited Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-LRG).....	21,373.72	
23 09 23 53-0030	EA		150 Controllers, 3 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-MED).....	13,302.02	
23 09 23 53-0031	EA		50 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-SM).....	8,504.30	
23 09 23 53-0032	EA		10 Controllers, 1 Workstation, Envision for BACTalk v2.6 (Alerton ENV-BT-2.6-XS).....	3,368.58	
23 09 23 53-0033	EA		1 Ethernet, 1 MS/TP, BACTalk Control Module (Alerton 715000100).....	5,714.97	370.66
23 09 23 53-0034	EA		Foreign Protocol Converter For P1 Systems, BACTalk Control Module (Alerton BCM-FPCS).....	8,382.76	494.22
23 09 23 53-0035	EA		Modbus Gateway, BACTalk Control Module (Alerton BCM-MDBS).....	8,280.34	494.22
23 09 23 53-0036	EA		V.90/56K Modem, BACTalk Control Module (Alerton BCM-MDM).....	3,238.46	370.66
23 09 23 53-0037	EA		1 MS/TP, BACTalk Control Module (Alerton 715000300).....	3,838.70	370.66
23 09 23 53-0038	EA		Power Supply, BACTalk Control Module (Alerton BCM-PWS).....	3,053.76	370.66
23 09 23 53-0039	EA		1 TUX Trunk, BACTalk Control Module (Alerton BCM-TUX).....	3,701.03	370.66
23 09 23 53-0040	EA		Web Server And Configurator CD, BACTalk Control Module (Alerton BCM-WEB).....	8,208.26	370.66
23 09 23 53-0041	EA		BACTalk Field Level Gateway For Modbus (Alerton FLG-MODBUS).....	4,112.26	494.22
23 09 23 53-0042	EA		EXP BACnet Controller (Alerton VLX).....	8,933.92	988.42

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 09 23 53-0043	EA		VLX BACnet High Performance Controller (Alerton VLX-PLATINUM).....	10,247.74	988.42
23 09 23 53-0044	EA		Multiple Segment MS/TP Repeater (Alerton MSTP-REP).....	1,330.17	110.06
23 09 23 53-0045	EA		4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD).....	2,713.78	370.66
23 09 23 53-0046	EA		4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7).....	2,852.30	370.66
23 09 23 53-0047	EA		4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD).....	2,373.79	370.66
23 09 23 53-0048	EA		4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A).....	2,566.88	370.66
23 09 23 53-0049	EA		5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAVIH-SD).....	2,558.48	370.66
23 09 23 53-0050	EA		11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188).....	3,666.61	370.66
23 09 23 53-0051	EA		16 Inputs, BACtalk Field Controller (Alerton VLC-1600).....	2,903.51	370.66
23 09 23 53-0052	EA		16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160).....	4,292.77	494.22
23 09 23 53-0053	EA		4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444).....	1,929.80	247.11
23 09 23 53-0054	EA		5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550).....	1,874.38	247.11
23 09 23 53-0055	EA		6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R).....	2,579.46	370.66
23 09 23 53-0056	EA		6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R).....	2,579.46	370.66
23 09 23 53-0057	EA		8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853).....	3,026.91	370.66
23 09 23 53-0058	EA		16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688).....	5,762.72	494.22
23 09 23 53-0059	EA		2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362).....	2,659.21	370.66
23 09 23 53-0060	EA		Wireless Door Contact Sensor (Alerton AL-OC-DS).....	169.05	13.90
23 09 23 53-0061	EA		One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT).....	266.77	13.90
23 09 23 53-0062	EA		One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT).....	663.00	13.90
23 09 23 53-0063	EA		Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT).....	663.00	13.90
23 09 23 53-0064	EA		Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT).....	518.63	13.90
23 09 23 53-0065	EA		BACnet-Compliant Wall Sensor (Alerton TS-1050-BT).....	182.83	13.90
23 09 23 53-0066	EA		Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT).....	699.11	13.90
23 09 23 53-0067	EA		Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT).....	783.07	13.90
23 09 23 53-0068	EA		10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0).....	3,658.22	370.66
23 09 23 53-0069	EA		10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8).....	3,864.72	370.66
23 09 23 53-0070	EA		22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0).....	3,686.76	370.66
23 09 23 53-0071	EA		50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM).....	11,544.04	
23 09 23 53-0072	EA		Global Controller Base Unit (Alerton ACM).....	6,261.85	370.66
23 09 23 53-0073	EA		External Battery Pack For ACM (Alerton ACM-BATT).....	1,362.21	206.18
23 09 23 53-0074	EA		Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032).....	1,061.79	
23 09 23 53-0075	EA		Microset 4 Wall Sensor (Alerton MS4-THC).....	1,228.20	13.90

**23 09 23 53-0076 Automated Logic Controls (23 09 23 53)**

23 09 23 53-0077	EA		0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100).....	4,075.16	370.66
23 09 23 53-0078	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320).....	9,405.42	1,111.98
23 09 23 53-0079	EA		2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx).....	2,930.05	370.66
23 09 23 53-0080	EA		4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx).....	5,889.30	494.22
23 09 23 53-0081	EA		8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx).....	5,803.84	494.22
23 09 23 53-0082	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160).....	9,556.76	988.42
23 09 23 53-0083	EA		8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx).....	5,248.38	494.22
23 09 23 53-0084	EA		0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320).....	5,134.81	370.66
23 09 23 53-0085	EA		16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160).....	9,044.03	988.42
23 09 23 53-0086	EA		No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642).....	2,200.83	247.11
23 09 23 53-0087	EA		With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D).....	2,336.87	247.11
23 09 23 53-0088	EA		3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+).....	3,040.79	247.11
23 09 23 53-0089	EA		1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+).....	2,944.65	247.11
23 09 23 53-0090	EA		Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF).....	2,707.86	370.66
23 09 23 53-0091	EA		Unlimited Points, Front End Software For Building Control (Automated Logic WC).....	14,901.35	
23 09 23 53-0092	EA		500 Point, Front End Software For Building Control (Automated Logic WC500).....	9,688.53	
23 09 23 53-0093	EA		Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE).....	11,917.53	

**23 09 23 53-0094 Cypress Envirosystems Controls (23 09 23 53)****23 09 23 53-0095 Wireless Pneumatic Thermostat (23 09 23 53-0094)**

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA		Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP).....	572.52	15.44
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-28.97	
			For >200, Deduct	-57.89	
23 09 23 53-0097	EA		Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP).....	572.52	15.44
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-28.97	
			For >200, Deduct	-57.89	
23 09 23 53-0098	EA		Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1DP).....	572.52	15.44
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-28.97	
			For >200, Deduct	-57.89	
23 09 23 53-0099	EA		Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP).....	572.52	15.44
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-28.97	
			For >200, Deduct	-57.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0100	EA		Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2DP-DB).....	650.12	15.44
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-33.29	
			For >200, Deduct	-66.51	
23 09 23 53-0101	EA		Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T2RP-DB).....	650.12	15.44
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-33.29	
			For >200, Deduct	-66.51	
23 09 23 53-0102	EA		Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB).....	650.12	15.44
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-33.29	
			For >200, Deduct	-66.51	
23 09 23 53-0103	EA		Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-LoRa-T1RP-DB).....	650.12	15.44
			Note: One for every thermostat to be retrofitted.		
			For >50 To 200, Deduct	-33.29	
			For >200, Deduct	-66.51	
23 09 23 53-0104	EA		Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV).....	48.71	15.44
			Note: Optional cover.		
			For >50 To 200, Deduct	-1.85	
			For >200, Deduct	-3.70	
23 09 23 53-0105	EA		Green Box Controller (Cypress Envirosystems GBC-830-COM).....	5,182.04	15.44
			Note: One unit for up to 100 thermostats.		
			For 2, Deduct	-253.77	
			For >2, Deduct	-507.09	
23 09 23 53-0106	EA		WPT USB Hub (Cypress Envirosystems WPT-800-HUSB).....	491.68	15.44
			Note: One unit for up to 100 thermostats.		
			For 2, Deduct	-26.48	
			For >2, Deduct	-52.91	
23 09 23 53-0107	EA		WPT Repeater (Cypress Envirosystems WPT-800-RWAL).....	863.86	15.44
			Note: One unit for up to 15 thermostats.		
			For >5 To 10, Deduct	-43.74	
			For >10, Deduct	-87.40	
23 09 23 53-0108	EA		24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V).....	1,069.20	15.44
			Note: One unit for up to 15 thermostats.		
			For >5 To 10, Deduct	-50.86	
			For >10, Deduct	-101.63	
<b>23 09 23 53-0109</b>			<b>Delta Controls</b> (23 09 23 53)		
<b>23 09 23 53-0110</b>			<b>Software</b> (23 09 23 53-0109)		
			Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0111	EA		Orca Software Unlimited Points License (Delta Controls DOW333-USB).....	2,638.67	
23 09 23 53-0112	EA		Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB).....	4,314.24	
23 09 23 53-0113	EA		Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB).....	9,347.52	
23 09 23 53-0114	EA		Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB).....	14,862.35	
23 09 23 53-0115	EA		Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB).....	7,671.95	
23 09 23 53-0116	EA		Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB).....	2,638.67	
23 09 23 53-0117	EA		100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01).....	6,233.87	
23 09 23 53-0118	EA		1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02).....	7,671.95	
23 09 23 53-0119	EA		KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB).....	2,789.27	154.44
23 09 23 53-0120	EA		Delta Controls Touch Screen (Delta Controls DHMI-7-I).....	2,937.94	
<b>23 09 23 53-0121</b>			<b>EMCS Central Equipment And Controllers</b> (23 09 23 53-0109)		
23 09 23 53-0122	EA		Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616).....	10,094.06	617.77
			Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		
23 09 23 53-0123	EA		Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E).....	7,793.13	617.77
23 09 23 53-0124	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	5,876.89	617.77
23 09 23 53-0125	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180).....	5,876.89	617.77
23 09 23 53-0126	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146).....	5,876.89	617.77
23 09 23 53-0127	EA		Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	5,526.47	617.77
23 09 23 53-0128	EA		VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF).....	1,871.88	308.89

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240) .....	1,717.29		308.89
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3).....	1,819.86		308.89
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240) .....	1,717.29		308.89
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616) .....	3,845.35		386.11
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440) .....	994.73		154.44
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404) .....	1,059.91		154.44
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600).....	1,228.95		154.44
<b>23 09 23 53-0136</b>		<b>Network, VAV And Special Sensors</b> <small>(23 09 23 53-0109)</small>			
23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24) .....	317.59		49.42
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24).....	426.62		55.60
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B).....	816.70		23.16
<b>23 09 23 53-0140</b>		<b>Honeywell Controls</b> <small>(23 09 23 53)</small>			
<b>23 09 23 53-0141</b>		<b>EMCS Central Equipment And Controllers</b> <small>(23 09 23 53-0140)</small>			
<b>23 09 23 53-0142</b>		<b>EMCS Network Area Controllers (BACnet Or Lon)</b> <small>(23 09 23 53-0141)</small>			
		Note: Includes loading software, software license, loading data base and mounting on wall.			
23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) .....	13,704.68		752.91
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.			
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) .....	9,594.19		752.91
		Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).			
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201).....	7,510.39		752.91
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.			
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) .....	9,168.61		752.91
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.			
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN).....	7,453.30		752.91
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.			
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) .....	7,453.30		752.91
		Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.			
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B).....	8,026.80		752.91
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.			
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU).....	8,628.84		752.91
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.			
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	8,026.80		752.91
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.			
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	8,628.84		752.91
		Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.			
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B).....	8,634.03		752.91
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.			
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU).....	9,236.08		752.91
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.			
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N).....	8,634.03		752.91
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.			
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU).....	9,236.08		752.91
		Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0157 EA Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX).....	9,140.06	752.91
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0158 EA Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only).....	11,151.19	752.91
Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0159 EA Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) .....	11,771.40	752.91
Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0160 EA Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ).....	13,782.53	752.91
Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0161 EA Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX).....	11,799.95	752.91
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.		
23 09 23 53-0162 EA Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) .....	15,632.78	752.91
Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACES, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.		
<b>23 09 23 53-0163 EMCS Network Interfaces (23 09 23 53-0141)</b>		
Note: Includes installation, start-up and tech labor.		
23 09 23 53-0164 EA Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) .....	1,927.05	208.49
Note: For desktop computer.		
23 09 23 53-0165 EA Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009).....	1,648.08	139.00
Note: For laptop computer.		
23 09 23 53-0166 EA FTT-10 To FTT-10 Router (Honeywell Q7751A2010) .....	2,113.77	260.70
23 09 23 53-0167 EA 4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002) .....	3,192.00	376.52
23 09 23 53-0168 EA Two Way Lon Repeater (Honeywell Q7740A1008).....	1,689.49	376.52
23 09 23 53-0169 EA FTT Termination Module For Network Bus (Honeywell 209541B).....	129.77	46.33
<b>23 09 23 53-0170 DDC Application Specific Controller Assemblies (23 09 23 53-0141)</b>		
Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.		
23 09 23 53-0171 EA Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	3,200.13	851.40
23 09 23 53-0172 EA >10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	2,620.97	503.91
23 09 23 53-0173 EA Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	3,443.37	997.35
23 09 23 53-0174 EA >10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies .....	2,864.22	649.86
23 09 23 53-0175 EA Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	3,790.04	1,042.58
23 09 23 53-0176 EA >10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	3,355.60	781.17
23 09 23 53-0177 EA Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	4,050.63	1,198.95
23 09 23 53-0178 EA >10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies .....	3,581.39	917.54
23 09 23 53-0179 EA Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	2,858.06	851.28
23 09 23 53-0180 EA >10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	2,278.90	503.91
23 09 23 53-0181 EA Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	3,176.67	1,042.58
23 09 23 53-0182 EA >10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies .....	2,597.36	694.99
23 09 23 53-0183 EA Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies .....	3,744.66	865.31
23 09 23 53-0184 EA >10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies .....	3,153.91	707.34
23 09 23 53-0185 EA Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies .....	4,063.26	1,198.94
23 09 23 53-0186 EA >10 Field Installed Application Specific Fan Coil Unit Controller Assemblies .....	3,472.37	796.92
23 09 23 53-0187 EA Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies.....	4,674.93	1,198.94
23 09 23 53-0188 EA >10 Factory Installed Application Specific Unit Ventilator Controller Assemblies .....	4,147.97	766.03
23 09 23 53-0189 EA Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies.....	5,312.16	1,198.94
23 09 23 53-0190 EA >10 Field Installed Application Specific Unit Ventilator Controller Assemblies .....	4,785.04	897.31
<b>23 09 23 53-0191 DDC Programmable Controller Assemblies (23 09 23 53-0141)</b>		
Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.		
23 09 23 53-0192 EA 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,288.50	920.94
23 09 23 53-0193 EA Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies.....	3,780.54	920.94
23 09 23 53-0194 EA 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....	5,010.20	1,083.10
23 09 23 53-0195 EA Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies .....	5,502.23	1,083.10
23 09 23 53-0196 EA 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	8,980.53	1,268.43
23 09 23 53-0197 EA Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies.....	9,549.31	1,268.43
<b>23 09 23 53-0198 EMCS Optional DDC Controller Hardware (23 09 23 53-0141)</b>		
Note: Used to expand the capacity of DDC programmable controller assemblies.		
23 09 23 53-0199 EA 6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) .....	591.66	
Note: For constant volume single zone and heat pump AHUs.		



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011).....	683.79	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001).....	716.22	
		Note: For constant volume single zone and heat pump AHUs.		
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010).....	676.00	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016).....	686.38	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011).....	670.81	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025).....	577.39	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004).....	502.13	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002).....	735.69	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000).....	657.84	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002).....	726.60	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011).....	1,542.73	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017).....	1,919.01	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002).....	958.86	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010).....	944.58	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027).....	463.21	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016).....	526.79	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001).....	973.13	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001).....	1,040.60	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B).....	651.35	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B).....	651.35	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B).....	651.35	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B).....	651.35	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511).....	115.48	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513).....	217.98	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514).....	214.09	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI).....	655.24	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB).....	97.31	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO).....	655.24	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI).....	603.34	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO).....	603.34	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC).....	635.78	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000).....	635.78	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI).....	914.74	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16).....	1,079.52	
		Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.		
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005).....	2,293.99	
		Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.		

**23 09 23 53-0235 EMCS Software** (23 09 23 53-0140)**23 09 23 53-0236 Software Packages And License** (23 09 23 53-0235)

Note: Includes installation on equipment.

23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB).....	731.79	
		Note: Requires UI services to be installed on NAC.		
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX).....	2,841.79	
		Note: Upgrade existing network area controller. As with other WEBS controllers, capacity is limited by the characteristics of the application including size and complexity.		
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX).....	8,174.28	
		Note: Includes Archon database. WEBS controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).		
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS).....	4,865.64	
		Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.		
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software.....	5,566.55	
		Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.		
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W).....	3,930.75	
		Note: One copy is included with WEB-S-AX and WEBStation-AX.		
23 09 23 53-0243	EA	WEBS Energy Suite (WES) Base Software (Honeywell WES-BASE-AX).....	6,973.40	
		Note: Includes license for 10 points of E <sup>2</sup> Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E <sup>2</sup> Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E <sup>2</sup> Profiler Points (Honeywell WES-CP-AX).....	946.49	
		Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0245	EA	Perpetual License For One Point Of E <sup>2</sup> Profiler (Honeywell WES-E2-AX).....	641.57	
		Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters.....	37,599.71	
		Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBS-AX Energy Suite (Honeywell WES-M1-ENT-AX).....	34,314.29	
		Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX).....	13,034.74	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS).....	9,726.10	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500).....	2,811.69	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500).....	2,811.69	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL).....	19,462.58	
		Note: Excludes Oracle.		
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500).....	2,595.01	
		Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchased with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500).....	2,811.69	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0255 EA WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003).....	7,352.96	
Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0256 EA WEBStation Additional Node (Honeywell ZW2000B1002) .....	2,811.69	
23 09 23 53-0257 EA WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001).....	47,143.55	
23 09 23 53-0258 EA WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000).....	86,500.77	
23 09 23 53-0259 EA WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009).....	151,376.02	
23 09 23 53-0260 EA Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008) .....	7,785.03	
23 09 23 53-0261 EA Additional Master WEBStation Software Licenses (Honeywell ZW200G1007) .....	3,892.52	
23 09 23 53-0262 EA Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001).....	3,131.49	
23 09 23 53-0263 EA Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055).....	3,425.67	
Note: As with other WEBS, capacity is limited by the characteristics of the application including size and complexity.		
<b>23 09 23 53-0264 Initial Database Generation (23 09 23 53-0235)</b>		
23 09 23 53-0265 PNT Database Generation For Central Plant.....	103.63	
23 09 23 53-0266 PNT Database Generation For Programmable Controller .....	103.63	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0267 EA Database Generation For Application Specific Controller.....	103.63	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0268 EA Replication Of Database Generation For Application Specific Controller .....	72.13	
Note: Price per copy made.		
23 09 23 53-0269 EA Database Generation For Remote IO Modules, Sensors, Etcetera .....	72.13	
<b>23 09 23 53-0270 Application Software Programs (23 09 23 53-0235)</b>		
23 09 23 53-0271 EA Basic Application Program Package.....	4,324.35	
Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 53-0272 EA Optimum Start/Stop Program.....	144.55	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0273 EA Duty Cycling Program.....	68.26	
23 09 23 53-0274 EA Hot Deck/Cold Deck Reset Application Program .....	7,429.08	
23 09 23 53-0275 EA Boiler Optimization Program .....	9,735.36	
23 09 23 53-0276 EA Chiller Optimization Program.....	13,187.52	
23 09 23 53-0277 EA Lighting Control Program.....	6,363.80	
23 09 23 53-0278 EA Demand Limiting Program .....	126.79	
Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0279 EA Email Alarm Server Configuration.....	4,909.40	
<b>23 09 23 53-0280 Color Graphics Generation (23 09 23 53-0235)</b>		
Note: Priced per page.		
23 09 23 53-0281 EA Single Site Home Page Graphics Page With HTML Navigation Code.....	2,591.24	
23 09 23 53-0282 EA Multi Site Home Page Graphics Page With HTML Navigation Code .....	4,600.64	
23 09 23 53-0283 EA Color Graphics Page For Central Plant .....	1,177.31	
23 09 23 53-0284 EA Color Graphics Page For Building Floor Plan .....	1,087.12	
23 09 23 53-0285 EA Replication Of Color Graphics Page For Central Plant.....	590.58	
23 09 23 53-0286 EA Color Graphics Page For Programmable Controller .....	1,324.48	
Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0287 EA Replication Of Color Graphics Page For Programmable Controller.....	283.24	
Note: Priced per copy made.		
23 09 23 53-0288 EA Color Graphics Page For Application Specific Controller.....	1,225.02	
Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0289 EA Replication Of Color Graphics Page For Application Specific Cont .....	122.47	
Note: Priced per copy made.		
<b>23 09 23 53-0290 Sensors, Actuators And Control Devices (23 09 23 53-0140)</b>		
Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.		
<b>23 09 23 53-0291 Special Sensors (23 09 23 53-0290)</b>		
23 09 23 53-0292 EA Dewpoint Sensor (Honeywell C7232B1014).....	2,356.29	95.60
23 09 23 53-0293 EA Enthalpy Sensor -25 To 125 F .....	2,456.55	95.60
23 09 23 53-0294 EA Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002) .....	1,174.18	191.20
23 09 23 53-0295 EA Freezestat (Honeywell L482A1004).....	822.94	318.61
23 09 23 53-0296 EA Wall Mounted Occupancy Sensor.....	574.52	95.60
23 09 23 53-0297 EA Ceiling Mounted Occupancy Sensor.....	463.99	95.60
23 09 23 53-0298 EA I/P Positioner With Gauge .....	545.32	95.60
23 09 23 53-0299 EA Non-Communicating Duct Mounted Smoke Detector With Sampling Tube .....	653.71	95.60
23 09 23 53-0300 EA EP Transducer.....	545.32	63.79
23 09 23 53-0301 EA Electric Heat Sequencer .....	872.61	127.42
<b>23 09 23 53-0302 Meters (23 09 23 53-0290)</b>		
23 09 23 53-0303 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer .....	5,555.02	764.49
23 09 23 53-0304 EA 208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface .....	8,104.58	891.90
23 09 23 53-0305 EA 1 To 300 Amperes, Current Transformer For KW Meter.....	1,977.14	318.61
23 09 23 53-0306 EA 300 To 800 Amperes, Current Transformer For KW Meter.....	2,235.46	318.61
23 09 23 53-0307 EA 800 To 2,400 Amperes, Current Transformer For KW Meter.....	2,730.87	318.61

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 09 23 53-0308</b>		<b>Direct Coupled Actuators</b> (23 09 23 53-0290)					
23 09 23 53-0309	EA	44	IN-LB,	2	Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002).....	713.80	113.46
23 09 23 53-0310	EA	88	IN-LB,	2	Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200).....	786.58	113.46
23 09 23 53-0311	EA	175	IN-LB,	2	Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209).....	911.71	113.46
23 09 23 53-0312	EA	44	IN-LB,	2	Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008).....	671.22	113.46
23 09 23 53-0313	EA	88	IN-LB,	2	Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206).....	749.48	113.46
23 09 23 53-0314	EA	175	IN-LB,	2	Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205).....	826.99	113.46
23 09 23 53-0315	EA	44	IN-LB,	24	Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator.....	753.76	113.46
23 09 23 53-0316	EA	88	IN-LB,	24	Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206).....	865.36	113.46
23 09 23 53-0317	EA	175	IN-LB,	24	Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205).....	985.82	113.46
23 09 23 53-0318	EA	44	IN-LB,	24	Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209).....	613.15	113.46
23 09 23 53-0319	EA	88	IN-LB,	24	Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209).....	672.58	113.46
23 09 23 53-0320	EA	175	IN-LB,	24	Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200).....	791.96	113.46
23 09 23 53-0321	EA	175	IN-LB,	24	Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007).....	848.16	113.46
23 09 23 53-0322	EA	300	IN-LB,	24	Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030).....	847.46	113.46
23 09 23 53-0323	EA	300	IN-LB,	24	Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008).....	1,001.56	113.46
23 09 23 53-0324	EA				Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018).....	637.51	113.46
23 09 23 53-0325	EA				Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368).....	1,114.81	113.46
23 09 23 53-0326	EA				Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator.....	480.53	113.46
23 09 23 53-0327	EA				Direct Coupled Damper Actuator Enclosure For Outdoor Use.....	731.13	113.46
<b>23 09 23 53-0328</b>		<b>Thermostats</b> (23 09 23 53-0140)					
<b>23 09 23 53-0329</b>		<b>Electric And Electronic Thermostats</b> (23 09 23 53-0328)					
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.							
23 09 23 53-0330	EA				Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018).....	258.84	23.16
23 09 23 53-0331	EA				Electronic Non-Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320).....	277.28	23.16
23 09 23 53-0332	EA				Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110).....	256.79	23.16
23 09 23 53-0333	EA				Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220).....	284.87	23.16
23 09 23 53-0334	EA				Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320).....	305.97	23.16
23 09 23 53-0335	EA				Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321).....	441.21	23.16
23 09 23 53-0336	EA				Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F).....	633.83	23.16
23 09 23 53-0337	EA				Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H).....	1,014.69	23.16
23 09 23 53-0338	EA				Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M).....	1,080.86	23.16
<b>23 09 23 53-0339</b>		<b>Pneumatic Thermostats</b> (23 09 23 53-0328)					
Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.							
23 09 23 53-0340	EA				Pneumatic Thermostat (Honeywell TP970B2182).....	346.85	23.16
<b>23 09 23 53-0341</b>		<b>Thermostats Guards</b> (23 09 23 53-0328)					
23 09 23 53-0342	EA				9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009).....	86.19	23.16
23 09 23 53-0343	EA				7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511).....	101.55	23.16
23 09 23 53-0344	EA				5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510).....	96.02	23.16
<b>23 09 23 53-0345</b>		<b>Johnson Controls</b> (23 09 23 53)					
<b>23 09 23 53-0346</b>		<b>Software</b> (23 09 23 53-0345)					
Note: Excludes programming, set-up and commissioning of application.							
23 09 23 53-0347	EA	5	Concurrent	User	Application And Data Server (Johnson Controls MS-ADS05U-0).....	20,922.56	
23 09 23 53-0348	EA	10	Concurrent	User	External Application And Data Server (Johnson Controls MS-ADX10U-0).....	24,731.30	
23 09 23 53-0349	EA				N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0).....	1,286.83	
23 09 23 53-0350	EA				N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2).....	1,914.52	
23 09 23 53-0351	EA				BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0).....	3,338.44	
23 09 23 53-0352	EA				BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCTV-0).....	1,297.46	
23 09 23 53-0353	EA				New User FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0).....	1,290.38	
23 09 23 53-0354	EA				Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Express, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6).....	513.97	
<b>23 09 23 53-0355</b>		<b>Supervisory Controllers</b> (23 09 23 53-0345)					
23 09 23 53-0356	EA				NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2).....	9,855.53	617.77
23 09 23 53-0357	EA				NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2).....	14,878.60	617.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0358	EA		NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1).....	19,912.81	617.77
23 09 23 53-0359	EA		NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0).....	7,920.66	617.77
<b>23 09 23 53-0360      Controllers (23 09 23 53-0345)</b>					
23 09 23 53-0361	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0).....	1,151.55	154.44
23 09 23 53-0362	EA		10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0).....	1,486.48	308.89
23 09 23 53-0363	EA		17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0).....	2,004.19	308.89
23 09 23 53-0364	EA		17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0).....	2,339.12	308.89
23 09 23 53-0365	EA		BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0).....	959.40	154.44
23 09 23 53-0366	EA		BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0).....	1,044.80	154.44
23 09 23 53-0367	EA		BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0).....	1,172.91	154.44
23 09 23 53-0368	EA		17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0).....	1,189.98	154.44
23 09 23 53-0369	EA		BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2).....	2,426.26	308.89
23 09 23 53-0370	EA		32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0).....	1,167.09	154.44
23 09 23 53-0371	EA		32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0).....	1,654.15	154.44
			Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
<b>23 09 23 53-0372      Master FX Controllers (23 09 23 53-0345)</b>					
23 09 23 53-0373	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C).....	3,013.81	308.89
23 09 23 53-0374	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C).....	3,216.20	308.89
23 09 23 53-0375	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C).....	3,316.77	308.89
23 09 23 53-0376	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C).....	3,255.65	308.89
23 09 23 53-0377	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C).....	3,160.13	308.89
23 09 23 53-0378	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C).....	3,175.44	308.89
23 09 23 53-0379	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C).....	3,160.13	308.89
23 09 23 53-0380	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C).....	3,216.42	308.89
23 09 23 53-0381	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C).....	3,391.21	308.89
23 09 23 53-0382	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C).....	3,507.73	308.89
23 09 23 53-0383	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C).....	3,449.46	308.89
23 09 23 53-0384	EA		6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C).....	3,330.20	308.89
23 09 23 53-0385	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C).....	3,216.42	308.89
23 09 23 53-0386	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C).....	3,391.21	308.89
23 09 23 53-0387	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C).....	3,507.73	308.89
23 09 23 53-0388	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C).....	3,449.46	308.89
23 09 23 53-0389	EA		6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C).....	3,330.20	308.89
23 09 23 53-0390	EA		N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C).....	360.88	77.22
23 09 23 53-0391	EA		LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C).....	504.27	77.22
23 09 23 53-0392	EA		RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C).....	401.13	77.22
23 09 23 53-0393	EA		BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C).....	360.88	77.22
23 09 23 53-0394	EA		Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C).....	992.55	77.22
23 09 23 53-0395	EA		Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C).....	918.79	77.22
23 09 23 53-0396	EA		5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C).....	936.06	77.22
23 09 23 53-0397	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C).....	936.06	77.22
23 09 23 53-0398	EA		5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C).....	1,022.33	77.22
23 09 23 53-0399	EA		5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C).....	1,022.33	77.22
23 09 23 53-0400	EA		6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C).....	1,270.34	77.22
23 09 23 53-0401	EA		6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C).....	1,270.34	77.22
23 09 23 53-0402	EA		6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C).....	1,410.53	77.22
23 09 23 53-0403	EA		6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C).....	1,410.53	77.22



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 53-0404		<b>VAV, Network And Special Sensors</b> (23 09 23 53-0345)			
23 09 23 53-0405	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0).....	655.80		49.42
23 09 23 53-0406	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0).....	232.29		49.42
23 09 23 53-0407	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0).....	511.92		49.42
23 09 23 53-0408	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0).....	756.13		49.42
23 09 23 53-0409	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0).....	264.00		49.42
23 09 23 53-0410	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0).....	687.28		49.42
23 09 23 53-0411		<b>Sensors - Hard Wired Type</b> (23 09 23 53-0345)			
23 09 23 53-0412	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00).....	241.53		88.96
23 09 23 53-0413	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0).....	196.03		49.42
23 09 23 53-0414	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2).....	514.73		23.16
		Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.			
23 09 23 53-0415	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2).....	690.01		23.16
		Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.			
23 09 23 53-0416	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2).....	515.69		23.16
		Note: For VVT systems.			
23 09 23 53-0417	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2).....	671.63		49.42
23 09 23 53-0418	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR).....	823.33		49.42
23 09 23 53-0419		<b>Siemens Controls</b> (23 09 23 53)			
23 09 23 53-0420	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083).....	496.99		23.16
23 09 23 53-0421	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085).....	356.58		23.16
23 09 23 53-0422	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575).....	389.29		104.34
23 09 23 53-0423	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591).....	568.86		104.34
23 09 23 53-0424	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685).....	83.24		15.44
23 09 23 53-0425	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001).....	280.13		154.44
23 09 23 53-0426	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012).....	449.80		26.28
23 09 23 53-0427	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079).....	793.86		47.73
23 09 23 53-0428	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203).....	1,581.22		47.73
23 09 23 53-0429	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006).....	1,344.44		60.45
23 09 23 53-0430	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36).....	383.56		88.96
23 09 23 53-0431	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768).....	312.09		49.42
23 09 23 53-0432	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C).....	666.59		72.90
23 09 23 53-0433	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143).....	121.09		7.72
23 09 23 53-0434	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800).....	1,090.86		148.26
23 09 23 53-0435	EA	MMI Extension Cable (Siemens 545-712).....	189.12		7.72
23 09 23 53-0436	EA	Remote Pressure Transmitter (Siemens 547-003).....	1,552.04		49.42
23 09 23 53-0437	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400).....	968.35		37.07
23 09 23 53-0438	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433).....	856.70		98.85
23 09 23 53-0439	EA	Door Lock And Key Assembly (Siemens 567-225).....	50.15		30.89
23 09 23 53-0440	EA	Insight Advanced Software Package (Siemens 571-010-381-USB).....	15,617.40		
		Note: Includes one user license and one sentinel key.			
23 09 23 53-0441	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188).....	632.73		
23 09 23 53-0442	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620).....	3,503.06		
23 09 23 53-0443	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059).....	528.64		15.87
23 09 23 53-0444	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03062).....	1,108.35		27.51
23 09 23 53-0445	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C).....	10,227.35		61.78
23 09 23 53-0446	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F).....	12,045.16		61.78
23 09 23 53-0447	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U).....	194.76		23.16
23 09 23 53-0448	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxillary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U).....	475.18		55.02
23 09 23 53-0449	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U).....	506.70		55.02
23 09 23 53-0450	EA	License To Enable 4 TX-I/O Modules On The Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A).....	4,512.22		
23 09 23 53-0451	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN).....	911.13		
23 09 23 53-0452	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A).....	2,932.41		
23 09 23 53-0453	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB).....	2,099.20		
23 09 23 53-0454	EA	License To Enable 4 TX-I/O Modules On The Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A).....	1,804.58		
23 09 23 53-0455	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP).....	5,335.13		
23 09 23 53-0456	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M).....	854.02		3.08
23 09 23 53-0457	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR).....	952.47		12.36
23 09 23 53-0458	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M).....	485.37		3.08



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 09 23 53-0459	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18).....	512.36	86.49
23 09 23 53-0460	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19).....	866.19	86.49
23 09 23 53-0461	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34).....	1,204.73	98.85
23 09 23 53-0462	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5).....	47.94	15.44
23 09 23 53-0463	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA).....	850.08	38.61
23 09 23 53-0464	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA).....	1,356.42	38.61
23 09 23 53-0465	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA).....	1,036.63	38.61
23 09 23 53-0466	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA).....	1,569.64	38.61
23 09 23 53-0467	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A).....	4,580.96	77.22
23 09 23 53-0468	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A).....	5,917.60	77.22
23 09 23 53-0469	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A).....	6,738.23	77.22
23 09 23 53-0470	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A).....	1,872.18	77.22
23 09 23 53-0471	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A).....	2,233.64	77.22
23 09 23 53-0472	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A).....	1,994.14	77.22
23 09 23 53-0473	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A).....	2,718.26	77.22
23 09 23 53-0474	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A).....	2,967.84	77.22
23 09 23 53-0475	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A).....	2,905.92	77.22
23 09 23 53-0476	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A).....	3,129.55	77.22
23 09 23 53-0477	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A).....	2,900.28	77.22
23 09 23 53-0478	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A).....	3,128.02	77.22
23 09 23 53-0479	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A).....	4,024.54	77.22
23 09 23 53-0480	EA	36 Point, BACnet/IP Or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A).....	8,005.19	77.22
23 09 23 53-0481	EA	License To Enable The Island Bus On PXC00-E96.A And PXC00-PE96.A (Siemens PXF-TXIO.A).....	1,353.70	
23 09 23 53-0482	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S).....	552.28	38.61
23 09 23 53-0483	EA	Controller Mounted Operator Display Module (Siemens PXM10T).....	406.11	38.61
23 09 23 53-0484	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3).....	921.50	30.89
Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported				
23 09 23 53-0485	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN).....	316.77	38.61
23 09 23 53-0486	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC).....	317.47	49.42
23 09 23 53-0487	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010).....	160.84	38.61
23 09 23 53-0488	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020).....	123.46	38.61
23 09 23 53-0489	EA	24" Flexible Averaging Probe (Siemens QAM2012.750).....	351.21	77.22
23 09 23 53-0490	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200).....	227.57	57.91
23 09 23 53-0491	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X).....	3,783.14	497.61
23 09 23 53-0492	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12).....	44.12	15.44
23 09 23 53-0493	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100).....	0.89	
23 09 23 53-0494	EA	16 Digital Input Module (Siemens TXM1.16D).....	677.68	15.44
23 09 23 53-0495	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M).....	1,022.56	15.44
23 09 23 53-0496	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML).....	1,638.01	30.89
23 09 23 53-0497	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4).....	501.85	9.26
23 09 23 53-0498	<b>Trane Controls (23 09 23 53)</b>			
23 09 23 53-0499	<b>Software (23 09 23 53-0498)</b>			
Note: Excludes programming, set-up and commissioning of application.				
23 09 23 53-0500	EA	Summit + Building Management Package (Trane 40201152).....	7,797.85	
23 09 23 53-0501	EA	Summit Current Version Software (Trane 40201111).....	4,440.26	
23 09 23 53-0502	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113).....	1,052.42	
23 09 23 53-0503	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001).....	4,413.97	
23 09 23 53-0504	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000).....	12,050.75	
23 09 23 53-0505	<b>EMCS Central Equipment And Controllers (23 09 23 53-0498)</b>			
23 09 23 53-0506	EA	Summit BTMX Operator Display Upgrade (Trane 40201224).....	7,530.31	617.77
23 09 23 53-0507	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531).....	16,071.63	617.77
23 09 23 53-0508	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532).....	16,071.63	617.77
23 09 23 53-0509	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00).....	14,217.01	617.77
23 09 23 53-0510	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10).....	16,373.36	617.77
23 09 23 53-0511	EA	Summit CCP Upgrade ROM Kit (Trane 40201095).....	261.80	38.61
23 09 23 53-0512	EA	Summit Comm5 Repeater (Trane 49500457).....	2,026.98	308.89
23 09 23 53-0513	EA	AHU Controller MP580/581 E Board Only (Trane 40201157).....	3,352.45	386.11
23 09 23 53-0514	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01).....	4,280.35	463.33
23 09 23 53-0515	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00).....	3,423.35	463.33
23 09 23 53-0516	EA	AHU Controller MP581 Operator Door Display (Trane 40201156).....	2,939.84	463.33
23 09 23 53-0517	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491).....	2,937.13	463.33
23 09 23 53-0518	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590).....	1,289.13	154.44
23 09 23 53-0519	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490).....	1,182.60	154.44
23 09 23 53-0520	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500).....	2,152.23	308.89
23 09 23 53-0521	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499).....	2,063.89	308.89
23 09 23 53-0522	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569).....	1,143.58	154.44
23 09 23 53-0523	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469).....	1,015.31	154.44
23 09 23 53-0524	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596).....	1,459.22	154.44
23 09 23 53-0525	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496).....	1,331.65	154.44
23 09 23 53-0526	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049).....	1,155.00	154.44
23 09 23 53-0527	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496).....	1,106.00	154.44
23 09 23 53-0528	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570).....	1,256.44	154.44
23 09 23 53-0529	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470).....	1,155.00	154.44

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 23 Direct-Digital Control System for HVAC**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 09 23 53-0530	EA	DDC VAV Retrofit Kit (Trane VRTODD01) .....		1,669.53	308.89
23 09 23 53-0531	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO) .....		1,795.69	308.89
<b>23 09 23 53-0532 Network, VAV And Special Sensors (23 09 23 53-0498)</b>					
23 09 23 53-0533	EA	Digital Display Zone Sensor (Trane X13790464010) .....		268.90	49.42
23 09 23 53-0534	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010) .....		186.27	49.42
23 09 23 53-0535	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010) .....		172.33	49.42
23 09 23 53-0536	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01) .....		329.15	55.60
23 09 23 53-0537	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121) .....		205.32	49.42
23 09 23 53-0538	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120) .....		205.32	49.42
23 09 23 53-0539	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010) .....		681.35	88.96
23 09 23 53-0540	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010) .....		610.37	49.42
23 09 23 53-0541	EA	Transformer 120/24 40 VA (Trane X13550284010) .....		165.36	49.42
23 09 23 53-0542	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005) .....		160.39	49.42
23 09 23 53-0543	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022) .....		152.42	49.42
23 09 23 53-0544	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010) .....		1,846.17	308.89
23 09 23 53-0545	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010) .....		1,778.11	308.89
23 09 23 53-0546	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010) .....		1,636.09	308.89
23 09 23 53-0547	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010) .....		2,859.05	463.33
23 09 23 53-0548	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010) .....		1,636.09	308.89
23 09 23 53-0549	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011) .....		1,708.13	308.89
23 09 23 53-0550	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011) .....		1,713.74	308.89
23 09 23 53-0551	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898) .....		649.68	307.57
23 09 23 53-0552	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801) .....		889.45	307.57
23 09 23 53-0553	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011) .....		3,160.70	463.33
23 09 23 53-0554	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010) .....		3,051.19	463.33
23 09 23 53-0555	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010) .....		190.25	61.55
23 09 23 53-0556	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010) .....		646.95	61.55
23 09 23 53-0557	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010) .....		3,228.40	463.33
23 09 23 53-0558	EA	BACnet Term (2 Pack) (Trane X1365152401) .....		306.47	110.73
23 09 23 53-0559	EA	Tracer ES Add License (Trane X40250125010) .....		3,918.59	
23 09 23 53-0560	EA	Kit - Tracer TU For Controls (Trane X4509151201) .....		5,760.36	617.77
23 09 23 53-0561	EA	Kit - Tracer TU Complete (Trane X4509151301) .....		7,428.90	617.77
23 09 23 53-0562	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010) .....		728.58	110.73
23 09 23 53-0563	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010) .....		434.89	110.73
23 09 23 53-0564	EA	Sensor Wireless Display Sensor (Trane X13790822010) .....		486.66	110.73
23 09 23 53-0565	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010) .....		439.87	110.73
23 09 23 53-0566	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010) .....		583.09	110.73
23 09 23 53-0567	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010) .....		631.86	110.73
<b>23 09 23 53-0568 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators (23 09 23 53)</b>					
<b>23 09 23 53-0569 Current Switches And Current Sensors (23 09 23 53-0568)</b>					
23 09 23 53-0570	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203) .....		175.32	49.42
23 09 23 53-0571	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205) .....		181.29	49.42
23 09 23 53-0572	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L) .....		268.90	49.42
23 09 23 53-0573	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24) .....		167.35	49.42
23 09 23 53-0574	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA) .....		471.99	49.42
23 09 23 53-0575	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC) .....		308.46	49.42
23 09 23 53-0576	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709) .....		240.21	49.42
23 09 23 53-0577	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721) .....		240.21	49.42
23 09 23 53-0578	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC) .....		5,996.53	247.11
23 09 23 53-0579	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2) .....		1,518.71	49.42
23 09 23 53-0580	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3) .....		2,297.83	49.42
23 09 23 53-0581	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV) .....		256.24	49.42
23 09 23 53-0582	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800) .....		406.91	131.27
23 09 23 53-0583	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900) .....		407.38	131.27
23 09 23 53-0584	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708) .....		431.28	131.27
23 09 23 53-0585	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908) .....		437.25	131.27
23 09 23 53-0586	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904) .....		471.10	131.27
23 09 23 53-0587	EA	Toggle Switch .....		169.58	61.78
23 09 23 53-0588	EA	Maintained Pushbutton Switch .....		179.33	61.78
23 09 23 53-0589	EA	Manual Time Switch .....		271.29	61.78
23 09 23 53-0590	EA	Emergency Stop Switch .....		435.74	61.78
23 09 23 53-0591	EA	Float Switch .....		447.38	61.78
23 09 23 53-0592	EA	Break Glass Switch .....		1,372.23	61.78
23 09 23 53-0593	EA	Boiler E-Stop Switch .....		899.07	61.78
<b>23 09 23 53-0594 Relays (23 09 23 53-0568)</b>					
23 09 23 53-0595	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V) .....		148.44	49.42
23 09 23 53-0596	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1) .....		160.68	49.42
23 09 23 53-0597	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B) .....		223.85	61.78
Note: Box type.					
23 09 23 53-0598	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2) .....		270.53	49.42
23 09 23 53-0599	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05) .....		139.56	49.42
23 09 23 53-0600	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05) .....		137.77	49.42
23 09 23 53-0601	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V) .....		148.44	49.42
23 09 23 53-0602	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V) .....		154.03	49.42
23 09 23 53-0603	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V) .....		155.57	49.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0604	EA		SPDT Pilot Relay, Universal (Kele RIBU1C) ..... Note: Box type.	172.26	61.78
23 09 23 53-0605	EA		SPST Pilot Relay With HOA Switch (Kele RIBU1S) ..... Note: Box type.	222.24	61.78
23 09 23 53-0606	EA		SPDT 3 Phase Line Voltage Monitor, . 1-5 Minute Delay On Break Timer (ICM400).....	376.37	61.78
23 09 23 53-0607	EA		SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450).....	374.16	61.78
<b>23 09 23 53-0608 Surge Protectors (23 09 23 53-0568)</b>					
23 09 23 53-0609	EA		Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255).....	368.11	12.36
23 09 23 53-0610	EA		Surge Protector, 1AC Outlet (Transtector TR2251).....	279.13	12.36
23 09 23 53-0611	EA		Surge Protector, 2 AC Outlets (Transtector TR2254).....	432.23	12.36
23 09 23 53-0612	EA		Surge Protector, DB-15 Connection (Transtector TR2259-DLP15).....	235.69	12.36
23 09 23 53-0613	EA		Surge Protector, DB-25 Connection (Transtector TR2259-DLP25).....	235.69	12.36
23 09 23 53-0614	EA		Surge Protector, DB-9 Connection (Transtector TR2259-DLP9).....	235.69	12.36
23 09 23 53-0615	EA		Surge Protector, Individual Wire Connection (Transtector TR2258).....	339.15	12.36
23 09 23 53-0616	EA		Surge Protector, Trane Communication Links (Transtector TR2257).....	210.86	12.36
<b>23 09 23 53-0617 Transformers (23 09 23 53-0568)</b>					
23 09 23 53-0618	EA		50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA).....	174.00	49.42
23 09 23 53-0619	EA		75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB).....	187.90	49.42
23 09 23 53-0620	EA		75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA).....	187.90	49.42
23 09 23 53-0621	EA		100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB).....	200.49	49.42
23 09 23 53-0622	EA		100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA).....	208.23	49.42
<b>23 09 23 53-0623 Power Supplies (23 09 23 53-0568)</b>					
23 09 23 53-0624	EA		Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA).....	252.19	49.42
23 09 23 53-0625	EA		AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2).....	290.76	49.42
23 09 23 53-0626	EA		DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524).....	273.38	49.42
23 09 23 53-0627	EA		DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D).....	281.60	49.42
23 09 23 53-0628	EA		DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H).....	274.28	49.42
23 09 23 53-0629	EA		DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P).....	286.54	49.42
23 09 23 53-0630	EA		DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C).....	219.04	49.42
<b>23 09 43 Pneumatic Control System For HVAC (23 09)</b>					
<b>23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices (23 09 43)</b>					
<b>23 09 43 00-0002 Polyurethane Pneumatic Tubing (23 09 43 00-0001)</b>					
23 09 43 00-0003	LF		1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing.....	3.07	1.25
23 09 43 00-0004	LF		5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	3.79	1.29
23 09 43 00-0005	LF		3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	4.81	1.33
23 09 43 00-0006	LF		1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing.....	5.99	1.36
<b>23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing (23 09 43 00-0001)</b>					
23 09 43 00-0008	LF		1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.80	1.25
23 09 43 00-0009	LF		5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	2.99	1.29
23 09 43 00-0010	LF		3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	3.36	1.33
23 09 43 00-0011	LF		1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing.....	4.08	1.36
<b>23 09 43 00-0012 Nylon Pneumatic Tubing (23 09 43 00-0001)</b>					
23 09 43 00-0013	LF		1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing.....	3.21	1.21
23 09 43 00-0014	LF		1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing.....	4.11	1.25
23 09 43 00-0015	LF		3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing.....	6.00	1.33
23 09 43 00-0016	LF		1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing.....	7.57	1.36
<b>23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing (23 09 43 00-0001)</b>					
23 09 43 00-0018	LF		1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	3.16	1.25
23 09 43 00-0019	LF		3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	4.85	1.33
23 09 43 00-0020	LF		1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	5.76	1.36
23 09 43 00-0021	LF		5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	6.91	1.40
23 09 43 00-0022	LF		3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	7.75	1.44
23 09 43 00-0023	LF		1" Outside Diameter Flexible Vinyl Pneumatic Tubing.....	10.43	1.48
<b>23 09 43 00-0024 Braided Vinyl Pneumatic Tubing (23 09 43 00-0001)</b>					
23 09 43 00-0025	LF		5/8" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.17	1.40
23 09 43 00-0026	LF		3/4" Outside Diameter Braided Vinyl Pneumatic Tubing.....	4.77	1.44
23 09 43 00-0027	LF		1" Outside Diameter Braided Vinyl Pneumatic Tubing.....	5.84	1.48
<b>23 09 43 00-0028 Copper Pneumatic Tubing (23 09 43 00-0001)</b>					
23 09 43 00-0029	LF		1/4" Outside Diameter Copper Pneumatic Tubing.....	6.41	2.71
23 09 43 00-0030	LF		3/8" Outside Diameter Copper Pneumatic Tubing.....	7.69	3.10
23 09 43 00-0031	LF		1/2" Outside Diameter Copper Pneumatic Tubing.....	8.90	3.58
23 09 43 00-0032	LF		5/8" Outside Diameter Copper Pneumatic Tubing.....	10.78	4.12
23 09 43 00-0033	LF		3/4" Outside Diameter Copper Pneumatic Tubing.....	12.27	4.72

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 09 Instrumentation and Control for HVAC****23 09 43 Pneumatic Control System For HVAC**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 09 43 00-0034	Brass Couplings (23 09 43 00-0001)		
23 09 43 00-0035	Straight Brass Couplings (23 09 43 00-0034)		
	Note: Barb x Barb		
23 09 43 00-0036	EA 1/4" x 1/4" Straight Brass Coupling .....	14.47	6.82
23 09 43 00-0037	EA 3/8" x 1/4" Straight Brass Coupling .....	14.61	6.82
23 09 43 00-0038	EA 3/8" x 3/8" Straight Brass Coupling .....	14.74	6.82
23 09 43 00-0039	Elbow Brass Couplings (23 09 43 00-0034)		
	Note: Barb x Barb		
23 09 43 00-0040	EA 1/4" x 1/4" Elbow Brass Coupling .....	15.22	6.82
23 09 43 00-0041	EA 3/8" x 3/8" Elbow Brass Coupling .....	15.67	6.82
23 09 43 00-0042	Tee Brass Couplings (23 09 43 00-0034)		
	Note: Barb x Barb		
23 09 43 00-0043	EA 1/4" x 1/4" x 1/4" Tee Brass Coupling .....	23.30	10.61
23 09 43 00-0044	EA 3/8" x 3/8" x 1/4" Tee Brass Coupling .....	26.44	11.37
23 09 43 00-0045	EA 3/8" x 3/8" x 3/8" Tee Brass Coupling .....	25.96	11.37

**23 10 Facility Fuel Systems (23)****23 11 Facility Fuel Piping (23 10)****23 11 23 Facility Natural-Gas Piping (23 11)**

See CSI section 23 21 13 23-0001 for threaded black steel pipe, 33 52 16 00-0000 for underground MDPE and HDPE pipe.

23 11 23 00-0001	Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping (23 11 23)		
23 11 23 00-0002	Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
	Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF 3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	7.25	2.66
23 11 23 00-0004	LF 1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	7.97	2.87
23 11 23 00-0005	LF 3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	9.43	3.12
23 11 23 00-0006	LF 1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	11.68	3.30
23 11 23 00-0007	LF 1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	13.64	3.46
23 11 23 00-0008	LF 1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	20.19	3.60
23 11 23 00-0009	LF 2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	27.00	3.84
23 11 23 00-0010	Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0001)		
23 11 23 00-0011	Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0012	EA 3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	34.99	
23 11 23 00-0013	EA 3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	34.99	
23 11 23 00-0014	EA 1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	37.49	
23 11 23 00-0015	EA 1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	37.49	
23 11 23 00-0016	EA 3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	44.38	
23 11 23 00-0017	EA 1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	59.41	
23 11 23 00-0018	EA 1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	59.41	
23 11 23 00-0019	EA 1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	97.33	
23 11 23 00-0020	EA 1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	173.55	
23 11 23 00-0021	EA 2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	277.52	
23 11 23 00-0022	Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0023	EA 3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	34.03	
23 11 23 00-0024	EA 1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	37.49	
23 11 23 00-0025	EA 1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	37.49	
23 11 23 00-0026	EA 3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	44.38	
23 11 23 00-0027	EA 3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	44.38	
23 11 23 00-0028	EA 1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	57.05	
23 11 23 00-0029	EA 1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	57.05	
23 11 23 00-0030	Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe (23 11 23 00-0010)		
23 11 23 00-0031	EA 3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	44.95	
23 11 23 00-0032	EA 1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	57.91	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0010)

23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.44
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	50.22
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	62.09
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	87.03
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	158.39
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	303.88
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	500.85

**23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0010)

23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.20
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	97.94
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	151.35
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	255.45
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	274.39
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	314.19

**23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0010)

23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	41.26
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	42.81
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.44
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	60.98
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	61.79

**23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0010)

23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	45.00
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	46.40
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	54.06
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.11
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	63.11

**23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0010)

23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	75.46
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	77.36
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	80.85
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	121.44
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	125.91
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	176.11
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	216.07

**23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0010)

23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	79.09
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	80.93
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	88.33
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	150.03
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	154.73
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	208.25
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	259.60

**23 11 23 00-0076 Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** (23 11 23 00-0010)

23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	44.33
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe.....	47.73



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	69.86		
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	104.62		
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	197.55		
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	310.89		
<b>23 11 23 00-0083</b>		<b>Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas</b>			
		<b>Pipe</b> <small>(23 11 23 00-0010)</small>			
		Note: Includes mounting plate.			
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	38.39		
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	41.71		
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	38.43		
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	38.54		
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	40.26		
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	47.21		
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	56.01		
<b>23 11 23 00-0091</b>		<b>Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing</b>			
		<b>(CSST), Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>			
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.			
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	106.91	27.92	
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	119.85	29.33	
<b>23 11 23 00-0094</b>		<b>Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible</b>			
		<b>Gas Pipe</b> <small>(23 11 23 00-0010)</small>			
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	78.52	24.43	
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	91.62	29.04	
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	112.11	34.91	
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	141.43	46.64	
<b>23 11 23 00-0099</b>		<b>Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas</b>			
		<b>Pipe</b> <small>(23 11 23 00-0010)</small>			
		Note: Includes mounting hardware.			
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	96.05	29.04	
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	109.79	34.91	
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	102.03	29.04	
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	113.67	34.91	
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	225.27	87.28	
<b>23 11 23 00-0105</b>		<b>Pressure Regulators For Corrugated Stainless Steel Tubing (CSST),</b>			
		<b>Flexible Gas Pipe</b> <small>(23 11 23 00-0010)</small>			
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	100.88	29.04	
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	100.88	29.04	
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	136.66	29.04	
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	148.30	34.91	
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	148.30	34.91	
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	171.57	46.64	
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	249.49	52.37	
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	130.33	29.04	
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	310.31	34.91	
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe .....	741.21	52.37	
<b>23 11 23 00-0116</b>		<b>Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass</b>			
		<b>Craft)</b> <small>(23 11 23)</small>			
<b>23 11 23 00-0117</b>		<b>3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel,</b>			
		<b>Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12) .....	55.84	20.95	
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18) .....	60.59	22.35	
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24) .....	65.15	22.35	
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30) .....	68.17	23.74	
23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36) .....	71.90	23.74	
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48) .....	79.86	25.14	
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60) .....	87.10	25.14	
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72) .....	94.28	26.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 23 00-0126			<b>3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0127	EA		12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12).....	55.84	20.95
23 11 23 00-0128	EA		18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18).....	60.59	22.35
23 11 23 00-0129	EA		24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24).....	65.15	22.35
23 11 23 00-0130	EA		30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30).....	68.17	23.74
23 11 23 00-0131	EA		36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36).....	71.90	23.74
23 11 23 00-0132	EA		48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48).....	79.86	25.14
23 11 23 00-0133	EA		60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60).....	87.10	25.14
23 11 23 00-0134	EA		72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72).....	94.28	26.53
23 11 23 00-0135			<b>3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0136	EA		12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12).....	55.84	20.95
23 11 23 00-0137	EA		18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18).....	60.59	22.35
23 11 23 00-0138	EA		24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24).....	65.15	22.35
23 11 23 00-0139	EA		30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30).....	68.17	23.74
23 11 23 00-0140	EA		36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36).....	71.90	23.74
23 11 23 00-0141	EA		48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48).....	79.86	25.14
23 11 23 00-0142	EA		60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60).....	87.10	25.14
23 11 23 00-0143	EA		72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72).....	94.28	26.53
23 11 23 00-0144			<b>3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0145	EA		12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12).....	55.84	20.95
23 11 23 00-0146	EA		18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18).....	60.59	22.35
23 11 23 00-0147	EA		24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24).....	75.74	22.35
23 11 23 00-0148	EA		30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30).....	68.17	23.74
23 11 23 00-0149	EA		36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36).....	71.90	23.74
23 11 23 00-0150	EA		48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48).....	79.86	25.14
23 11 23 00-0151	EA		60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60).....	87.10	25.14
23 11 23 00-0152	EA		72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72).....	94.28	26.53
23 11 23 00-0153			<b>3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0154	EA		12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12).....	59.92	20.95
23 11 23 00-0155	EA		18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18).....	65.66	22.35
23 11 23 00-0156	EA		24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24).....	65.15	22.35
23 11 23 00-0157	EA		30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30).....	74.64	23.74
23 11 23 00-0158	EA		36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36).....	71.90	23.74
23 11 23 00-0159	EA		48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48).....	79.86	25.14
23 11 23 00-0160	EA		60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60).....	87.10	25.14
23 11 23 00-0161	EA		72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72).....	94.28	26.53
23 11 23 00-0162			<b>3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0163	EA		12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12).....	55.84	20.95

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24).....	71.15		22.35
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30).....	68.17		23.74
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36).....	71.90		23.74
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48).....	79.86		25.14
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60).....	97.90		25.14
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72).....	94.28		26.53
<b>23 11 23 00-0170</b>		<b>3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>			
23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12).....	55.84		20.95
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18).....	60.59		22.35
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24).....	65.15		22.35
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30).....	68.17		23.74
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36).....	71.90		23.74
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48).....	79.86		25.14
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60).....	87.10		25.14
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72).....	94.28		26.53
<b>23 11 23 00-0179</b>		<b>3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>			
23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12).....	55.84		20.95
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18).....	60.59		22.35
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24).....	65.15		22.35
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30).....	68.17		23.74
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36).....	71.90		23.74
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48).....	79.86		25.14
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60).....	87.10		25.14
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72).....	94.28		26.53
<b>23 11 23 00-0188</b>		<b>3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>			
23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18).....	65.66		22.35
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24).....	65.15		22.35
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30).....	74.64		23.74
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36).....	79.06		23.74
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48).....	88.95		25.14
<b>23 11 23 00-0194</b>		<b>1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) (23 11 23 00-0116)</b>			
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12).....	55.84		20.95
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18).....	60.59		22.35
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24).....	60.91		22.35
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30).....	68.17		23.74
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36).....	66.83		23.74
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48).....	81.40		25.14
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60).....	87.10		25.14
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72).....	94.28		26.53

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 23 00-0203			<b>1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0204	EA		12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12).....	55.84	20.95
23 11 23 00-0205	EA		18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18).....	57.13	22.35
23 11 23 00-0206	EA		24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24).....	58.57	22.35
23 11 23 00-0207	EA		30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30).....	68.17	23.74
23 11 23 00-0208	EA		36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36).....	71.90	23.74
23 11 23 00-0209	EA		48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48).....	73.24	25.14
23 11 23 00-0210	EA		60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60).....	87.10	25.14
23 11 23 00-0211	EA		72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72).....	94.28	26.53
23 11 23 00-0212			<b>1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0213	EA		12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12).....	55.84	20.95
23 11 23 00-0214	EA		18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18).....	60.59	22.35
23 11 23 00-0215	EA		24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24).....	65.15	22.35
23 11 23 00-0216	EA		30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30).....	68.17	23.74
23 11 23 00-0217	EA		36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36).....	63.30	23.74
23 11 23 00-0218	EA		48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48).....	79.86	25.14
23 11 23 00-0219	EA		60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60).....	87.10	25.14
23 11 23 00-0220	EA		72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72).....	94.28	26.53
23 11 23 00-0221			<b>3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0222	EA		12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12).....	70.38	20.95
23 11 23 00-0223	EA		18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18).....	75.11	22.35
23 11 23 00-0224	EA		24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24).....	79.66	22.35
23 11 23 00-0225	EA		30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30).....	82.67	23.74
23 11 23 00-0226	EA		36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36).....	86.53	23.74
23 11 23 00-0227	EA		48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48).....	94.04	25.14
23 11 23 00-0228	EA		60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60).....	101.87	25.14
23 11 23 00-0229	EA		72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72).....	109.06	26.53
23 11 23 00-0230			<b>3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0231	EA		12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12).....	84.35	27.92
23 11 23 00-0232	EA		18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18).....	89.07	29.33
23 11 23 00-0233	EA		24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24).....	93.63	29.33
23 11 23 00-0234	EA		30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30).....	96.62	30.72
23 11 23 00-0235	EA		36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36).....	100.50	30.72
23 11 23 00-0236	EA		48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48).....	108.00	32.12
23 11 23 00-0237	EA		60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60).....	115.84	32.12
23 11 23 00-0238	EA		72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72).....	123.02	33.51
23 11 23 00-0239			<b>3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0240	EA		12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12).....	84.35	27.92



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	89.07		29.33
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	93.63		29.33
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	96.62		30.72
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	100.50		30.72
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	108.00		32.12
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	115.84		32.12
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	123.02		33.51
<b>23 11 23 00-0248</b>		<b>3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	96.18		27.92
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	100.89		29.33
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	105.46		29.33
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	108.44		30.72
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	112.34		30.72
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	119.83		32.12
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	127.67		32.12
<b>23 11 23 00-0256</b>		<b>3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	96.18		27.92
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	100.89		29.33
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	105.46		29.33
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	112.34		30.72
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	119.83		32.12
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	127.67		32.12
<b>23 11 23 00-0263</b>		<b>1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	96.18		27.92
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	100.89		29.33
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	105.46		29.33
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	108.44		30.72
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	112.34		30.72
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	119.83		32.12
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	127.67		32.12
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	134.85		33.51
<b>23 11 23 00-0272</b>		<b>1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>			
23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	81.23		27.92
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	85.97		29.33
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	90.55		29.33
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	93.51		30.72
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	97.40		30.72
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	104.88		32.12
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	119.87		33.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 23 00-0280			<b>1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)</b> <small>(23 11 23 00-0116)</small>		
23 11 23 00-0281	EA		18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18).....	94.38	29.33
23 11 23 00-0282	EA		24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24).....	99.89	29.33

23 11 23 00-0283			<b>Quarter-Turn, Gas Ball Valve</b> <small>(23 11 23)</small>		
23 11 23 00-0284	EA		3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102).....	52.95	14.86
23 11 23 00-0285	EA		1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103).....	53.92	15.16
23 11 23 00-0286	EA		3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104).....	76.35	16.68
23 11 23 00-0287	EA		3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112).....	52.59	14.86
23 11 23 00-0288	EA		1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113).....	55.62	15.16
23 11 23 00-0289	EA		1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118).....	60.62	15.16
23 11 23 00-0290	EA		5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121).....	66.94	15.92
23 11 23 00-0291	EA		5/8" (7/8" -14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114).....	69.49	15.92
23 11 23 00-0292	EA		5/8" (15/16" -16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115).....	69.49	15.92
23 11 23 00-0293	EA		3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312).....	54.49	14.86
23 11 23 00-0294	EA		1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313).....	57.52	15.16
23 11 23 00-0295	EA		5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314).....	70.84	15.92
23 11 23 00-0296	EA		1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413).....	57.77	15.16
23 11 23 00-0297	EA		3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414).....	77.79	16.68
23 11 23 00-0298	EA		3/8" (9/16" -24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119).....	54.40	14.86
23 11 23 00-0299	EA		3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612).....	52.34	14.86
23 11 23 00-0300	EA		1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613).....	53.91	15.16
23 11 23 00-0301	EA		3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614).....	73.60	16.68
23 11 23 00-0302	EA		1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615).....	97.70	18.96
23 11 23 00-0303	EA		1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616).....	136.36	19.71
23 11 23 00-0304	EA		1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617).....	160.97	22.75
23 11 23 00-0305	EA		2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618).....	197.06	27.29
23 11 23 00-0306	EA		1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713).....	55.01	15.16
23 11 23 00-0307	EA		3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714).....	73.27	16.68

23 11 23 00-0308			<b>Gas Stops</b> <small>(23 11 23)</small>		
23 11 23 00-0309			<b>Brass/Bronze Gas Stops</b> <small>(23 11 23 00-0308)</small>		
			Note: Flat or square head		
23 11 23 00-0310	EA		3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	65.31	15.16
23 11 23 00-0311	EA		1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	65.77	15.16
23 11 23 00-0312	EA		3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	86.63	16.68
23 11 23 00-0313	EA		1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	119.67	18.96
23 11 23 00-0314	EA		1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	158.36	20.17
23 11 23 00-0315	EA		1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	197.76	23.35
23 11 23 00-0316	EA		2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596).....	270.34	27.60

23 11 23 00-0317			<b>Iron Body Gas Stops</b> <small>(23 11 23 00-0308)</small>		
23 11 23 00-0318	EA		1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	85.85	15.16
23 11 23 00-0319	EA		3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	106.38	16.68
23 11 23 00-0320	EA		1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	131.58	18.96
23 11 23 00-0321	EA		1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	169.93	20.17
23 11 23 00-0322	EA		1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	212.30	23.35
23 11 23 00-0323	EA		2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	273.64	27.60
23 11 23 00-0324	EA		2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	517.54	37.28
23 11 23 00-0325	EA		3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B).....	688.84	43.29

23 11 23 00-0326			<b>Bronze Body Solenoid Valves, 150 PSI Gas</b> <small>(23 11 23)</small>		
23 11 23 00-0327	EA		1/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	206.50	15.16
23 11 23 00-0328	EA		1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	240.33	15.16
23 11 23 00-0329	EA		3/4" Solenoid Valve, Bronze, 150 PSI, Gas.....	306.65	16.68
23 11 23 00-0330	EA		1" Solenoid Valve, Bronze, 150 PSI, Gas.....	456.85	18.96
23 11 23 00-0331	EA		1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	812.71	23.35
23 11 23 00-0332	EA		2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,373.26	27.60
23 11 23 00-0333	EA		2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas.....	1,703.86	37.28
23 11 23 00-0334	EA		3" Solenoid Valve, Bronze, 150 PSI, Gas.....	2,556.57	43.29

**23 11 26 Facility Liquefied-Petroleum Gas Piping** (23 11)

23 11 26 00-0001			<b>Fiberglass Reinforced Plastic Pipe And Fittings</b> <small>(23 11 26)</small>		
23 11 26 00-0002			<b>Fiberglass Reinforced Plastic Pipe</b> <small>(23 11 26 00-0001)</small>		
			Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (add modifier for use as inner pipe).		
23 11 26 00-0003	LF		2" Fiberglass Reinforced Plastic Pipe.....	25.33	10.05
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-11.27	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0004	LF		3" Fiberglass Reinforced Plastic Pipe .....	30.35	12.01
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-13.52	
23 11 26 00-0005	LF		4" Fiberglass Reinforced Plastic Pipe .....	40.70	17.74
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-19.90	
23 11 26 00-0006	LF		5" Fiberglass Reinforced Plastic Pipe .....	47.55	20.39
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-22.41	
23 11 26 00-0007	LF		6" Fiberglass Reinforced Plastic Pipe .....	55.37	22.76
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-25.65	
23 11 26 00-0008	LF		8" Fiberglass Reinforced Plastic Pipe .....	74.55	27.16
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-30.51	
23 11 26 00-0009	LF		10" Fiberglass Reinforced Plastic Pipe .....	97.92	32.29
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-36.38	
23 11 26 00-0010	LF		12" Fiberglass Reinforced Plastic Pipe .....	270.28	40.67
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-45.77	
<b>23 11 26 00-0011</b>			<b>Fiberglass Reinforced Plastic Fittings (23 11 26 00-0001)</b>		
<b>23 11 26 00-0012</b>			<b>Fiberglass Reinforced Plastic Flanged 90 Degree Elbows (23 11 26 00-0011)</b>		
23 11 26 00-0013	EA		2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow .....	201.42	100.13
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-112.62	
23 11 26 00-0014	EA		3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow .....	238.29	120.24
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-135.14	
23 11 26 00-0015	EA		4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow .....	284.04	139.64
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-156.99	
23 11 26 00-0016	EA		5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow .....	344.94	160.66
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-177.22	
23 11 26 00-0017	EA		6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow .....	412.79	180.25
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-202.67	
23 11 26 00-0018	EA		8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow .....	581.71	225.24
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-253.34	
23 11 26 00-0019	EA		10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow .....	742.14	271.31
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-305.11	
23 11 26 00-0020	EA		12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow .....	1,997.06	336.44
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-378.33	
<b>23 11 26 00-0021</b>			<b>Fiberglass Reinforced Plastic Flanged 45 Degree Elbows (23 11 26 00-0011)</b>		
23 11 26 00-0022	EA		2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow .....	201.81	100.13
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-112.62	
23 11 26 00-0023	EA		3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow .....	238.40	120.24
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-135.14	
23 11 26 00-0024	EA		4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow .....	284.45	139.78
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-157.11	
23 11 26 00-0025	EA		5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow .....	353.07	166.04
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-183.29	
23 11 26 00-0026	EA		6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow .....	412.65	180.25
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-202.67	
23 11 26 00-0027	EA		8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow .....	581.71	225.24
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-253.34	
23 11 26 00-0028	EA		10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow .....	1,511.91	271.31
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-305.11	
23 11 26 00-0029	EA		12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow .....	1,997.06	336.44
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-378.33	
<b>23 11 26 00-0030</b>			<b>Fiberglass Reinforced Plastic Flanged Tees (23 11 26 00-0011)</b>		
23 11 26 00-0031	EA		2" Fiberglass Reinforced Plastic Flanged Tee .....	454.96	150.26
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-168.93	
23 11 26 00-0032	EA		3" Fiberglass Reinforced Plastic Flanged Tee .....	563.56	180.98
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.45	
23 11 26 00-0033	EA		4" Fiberglass Reinforced Plastic Flanged Tee .....	640.83	209.61
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-235.67	
23 11 26 00-0034	EA		5" Fiberglass Reinforced Plastic Flanged Tee .....	816.55	248.99
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-275.03	
23 11 26 00-0035	EA		6" Fiberglass Reinforced Plastic Flanged Tee .....	979.77	271.31
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-305.11	
23 11 26 00-0036	EA		8" Fiberglass Reinforced Plastic Flanged Tee .....	1,233.15	336.44
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-378.33	
23 11 26 00-0037	EA		10" Fiberglass Reinforced Plastic Flanged Tee .....	1,992.03	406.98
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-457.66	
23 11 26 00-0038	EA		12" Fiberglass Reinforced Plastic Flanged Tee .....	2,669.72	494.80
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-556.37	
<b>23 11 26 00-0039</b>			<b>Fiberglass Reinforced Plastic Flanged Wyes (23 11 26 00-0011)</b>		
23 11 26 00-0040	EA		2" Fiberglass Reinforced Plastic Flanged Wye .....	610.46	150.26
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-168.93	
23 11 26 00-0041	EA		3" Fiberglass Reinforced Plastic Flanged Wye .....	785.78	180.70
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-203.19	
23 11 26 00-0042	EA		4" Fiberglass Reinforced Plastic Flanged Wye .....	923.51	209.61
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-235.65	
23 11 26 00-0043	EA		5" Fiberglass Reinforced Plastic Flanged Wye .....	1,057.25	248.99
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-275.03	
23 11 26 00-0044	EA		6" Fiberglass Reinforced Plastic Flanged Wye .....	1,178.52	271.31
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-305.11	
23 11 26 00-0045	EA		8" Fiberglass Reinforced Plastic Flanged Wye .....	1,547.47	336.44
			<i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	-378.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0046	EA		10" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	2,388.48 -457.66	406.98
23 11 26 00-0047	EA		12" Fiberglass Reinforced Plastic Flanged Wye ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	3,101.88 -556.37	494.80
<b>23 11 26 00-0048</b>			<b>Fiberglass Reinforced Plastic Flanged Concentric Reducers (23 11 26 00-0011)</b>		
23 11 26 00-0049	EA		2" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	344.82 -112.62	100.13
23 11 26 00-0050	EA		3" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	448.56 -135.14	120.24
23 11 26 00-0051	EA		4" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	490.52 -157.11	139.78
23 11 26 00-0052	EA		5" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	569.16 -183.29	166.04
23 11 26 00-0053	EA		6" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	638.68 -202.67	180.25
23 11 26 00-0054	EA		8" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	851.37 -253.34	225.24
23 11 26 00-0055	EA		10" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,090.47 -305.11	271.31
23 11 26 00-0056	EA		12" Fiberglass Reinforced Plastic Flanged Concentric Reducer..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,494.87 -378.33	336.44
<b>23 11 26 00-0057</b>			<b>Fiberglass Reinforced Plastic Bell x Male Or Female Adapters (23 11 26 00-0011)</b>		
23 11 26 00-0058	EA		2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	275.32 -112.62	100.13
23 11 26 00-0059	EA		3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	315.85 -135.14	120.24
23 11 26 00-0060	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	357.94 -157.11	139.78
23 11 26 00-0061	EA		4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	439.29 -183.29	166.04
23 11 26 00-0062	EA		6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	511.60 -202.67	180.25
23 11 26 00-0063	EA		8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	501.22 -253.34	225.24
23 11 26 00-0064	EA		10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	641.65 -305.11	271.31
23 11 26 00-0065	EA		12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	1,015.08 -378.33	336.44
<b>23 11 26 00-0066</b>			<b>Fiberglass Reinforced Plastic Nipples (23 11 26 00-0011)</b>		
23 11 26 00-0067	EA		2" x 6" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	52.57 -13.52	12.01
23 11 26 00-0068	EA		2" x 12" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	105.05 -26.96	24.02
23 11 26 00-0069	EA		3" x 8" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	178.67 -20.74	18.43
23 11 26 00-0070	EA		3" x 12" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	206.80 -28.40	25.27
23 11 26 00-0071	EA		4" x 8" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	193.39 -20.27	17.97
23 11 26 00-0072	EA		4" x 12" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	232.50 -30.40	27.02
23 11 26 00-0073	EA		6" x 12" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	289.07 -33.44	30.26
23 11 26 00-0074	EA		6" x 12" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	345.60 -36.52	32.43
23 11 26 00-0075	EA		8" x 18" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	181.15 -42.56	37.83
23 11 26 00-0076	EA		8" x 24" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	246.88 -60.77	54.04
23 11 26 00-0077	EA		10" x 18" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	306.08 -43.25	38.51
23 11 26 00-0078	EA		10" x 24" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	459.44 -64.79	57.56
23 11 26 00-0079	EA		12" x 18" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	357.81 -44.62	39.72
23 11 26 00-0080	EA		12" x 24" Fiberglass Reinforced Plastic Nipple ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	467.66 -66.92	59.45
<b>23 11 26 00-0081</b>			<b>Fiberglass Reinforced Plastic Sleeve Couplings (23 11 26 00-0011)</b>		
23 11 26 00-0082	EA		2" Fiberglass Reinforced Plastic Sleeve Coupling ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	181.90 -112.62	100.13
23 11 26 00-0083	EA		3" Fiberglass Reinforced Plastic Sleeve Coupling ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	218.84 -135.14	120.24
23 11 26 00-0084	EA		4" Fiberglass Reinforced Plastic Sleeve Coupling ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	252.99 -157.11	139.78
23 11 26 00-0085	EA		5" Fiberglass Reinforced Plastic Sleeve Coupling ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	304.54 -183.29	166.04
23 11 26 00-0086	EA		6" Fiberglass Reinforced Plastic Sleeve Coupling ..... <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	347.02 -202.67	180.25

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 11 Facility Fuel Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0087	EA		8" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	450.41 -253.34	225.24
23 11 26 00-0088	EA		10" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	578.30 -305.11	271.31
23 11 26 00-0089	EA		12" Fiberglass Reinforced Plastic Sleeve Coupling <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	706.65 -378.33	336.44
<b>23 11 26 00-0090</b>			<b>Fiberglass Reinforced Plastic Flanges</b> <small>(23 11 26 00-0011)</small>		
23 11 26 00-0091	EA		2" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	185.87 -112.62	100.13
23 11 26 00-0092	EA		3" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	224.09 -135.14	120.24
23 11 26 00-0093	EA		4" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	261.70 -151.74	134.98
23 11 26 00-0094	EA		5" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	316.07 -177.35	160.66
23 11 26 00-0095	EA		6" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	370.05 -202.67	180.25
23 11 26 00-0096	EA		8" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	459.02 -242.52	215.65
23 11 26 00-0097	EA		10" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	614.14 -305.11	271.31
23 11 26 00-0098	EA		12" Fiberglass Reinforced Plastic Flange <i>For Use As Inner Pipe In Double Wall Pipe System, Deduct</i>	849.98 -378.33	336.44
<b>23 11 26 00-0099</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings</b> <small>(23 11 26)</small>		
<b>23 11 26 00-0100</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing</b> <small>(23 11 26 00-0099)</small>		
23 11 26 00-0101	LF		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	164.06	43.15
23 11 26 00-0102	LF		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	195.56	51.11
23 11 26 00-0103	LF		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	249.82	75.41
23 11 26 00-0104	LF		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	350.83	97.75
23 11 26 00-0105	LF		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	501.04	116.20
23 11 26 00-0106	LF		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	683.45	137.82
23 11 26 00-0107	LF		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	873.30	173.89
<b>23 11 26 00-0108</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings</b> <small>(23 11 26 00-0099)</small>		
<b>23 11 26 00-0109</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0110	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,909.41	534.01
23 11 26 00-0111	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,351.01	640.97
23 11 26 00-0112	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	4,190.65	744.86
23 11 26 00-0113	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	7,305.84	961.10
23 11 26 00-0114	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	11,836.33	1,201.60
23 11 26 00-0115	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	15,962.92	1,445.63
23 11 26 00-0116	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	21,317.18	1,790.17
<b>23 11 26 00-0117</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0118	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,913.99	534.01
23 11 26 00-0119	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,342.96	640.97
23 11 26 00-0120	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	4,184.34	744.86
23 11 26 00-0121	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	7,268.67	961.10
23 11 26 00-0122	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	11,782.51	1,201.60
23 11 26 00-0123	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	15,889.94	1,446.30
23 11 26 00-0124	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	21,223.37	1,794.23
<b>23 11 26 00-0125</b>			<b>Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees</b> <small>(23 11 26 00-0108)</small>		
23 11 26 00-0126	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,053.32	801.01
23 11 26 00-0127	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,076.83	965.37
23 11 26 00-0128	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	5,731.31	1,117.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 11 26 00-0129	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	9,283.58	1,446.98
23 11 26 00-0130	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	11,738.22	1,794.23
23 11 26 00-0131	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	20,407.75	2,167.97
23 11 26 00-0132	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee .....	27,879.00	2,628.58

**23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes** (23 11 26 00-0108)

23 11 26 00-0134	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	5,984.04	801.01
23 11 26 00-0135	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	7,838.43	964.25
23 11 26 00-0136	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	9,241.57	1,117.86
23 11 26 00-0137	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	11,751.41	1,446.98
23 11 26 00-0138	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	15,640.98	1,794.23
23 11 26 00-0139	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	25,330.38	2,167.97
23 11 26 00-0140	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye .....	33,244.95	2,628.58

**23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers** (23 11 26 00-0108)

23 11 26 00-0142	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	3,217.51	534.01
23 11 26 00-0143	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	4,293.23	640.97
23 11 26 00-0144	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	4,606.40	744.86
23 11 26 00-0145	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	6,015.85	961.10
23 11 26 00-0146	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	8,178.51	1,201.60
23 11 26 00-0147	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	10,656.15	1,445.63
23 11 26 00-0148	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer .....	14,981.74	1,790.17

**23 11 26 00-0149 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters** (23 11 26 00-0108)

23 11 26 00-0150	EA		2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	2,354.64	534.01
23 11 26 00-0151	EA		3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	2,645.36	640.97
23 11 26 00-0152	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	2,960.12	744.86
23 11 26 00-0153	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	4,437.91	961.10
23 11 26 00-0154	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	3,830.81	1,201.60
23 11 26 00-0155	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	5,083.27	1,445.63
23 11 26 00-0156	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter .....	9,024.33	1,790.17

**23 11 26 00-0157 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples** (23 11 26 00-0108)

23 11 26 00-0158	EA		2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	525.15	64.10
23 11 26 00-0159	EA		2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,049.81	127.91
23 11 26 00-0160	EA		3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,022.58	98.31
23 11 26 00-0161	EA		3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,299.54	134.72
23 11 26 00-0162	EA		4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,209.91	96.07
23 11 26 00-0163	EA		4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,599.75	144.18
23 11 26 00-0164	EA		6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	3,946.32	173.22
23 11 26 00-0165	EA		8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	1,847.26	201.86
23 11 26 00-0166	EA		8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	2,491.51	288.21
23 11 26 00-0167	EA		10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	3,391.99	205.11
23 11 26 00-0168	EA		10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	5,092.70	307.26
23 11 26 00-0169	EA		12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	4,021.30	211.59
23 11 26 00-0170	EA		12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple .....	5,174.81	317.39

**23 11 26 00-0171 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges** (23 11 26 00-0108)

23 11 26 00-0172	EA		4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	1,816.30	719.63
23 11 26 00-0173	EA		6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	2,680.39	961.10
23 11 26 00-0174	EA		8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	3,409.11	1,150.39
23 11 26 00-0175	EA		10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	4,741.64	1,445.63
23 11 26 00-0176	EA		12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange .....	6,974.45	1,790.17

**23 12 Facility Fuel Pumps** (23 10)

**23 12 13 Facility Fuel-Oil Pumps** (23 12)



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 12 Facility Fuel Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 12 13 00-0001		<b>Cast Iron Internal Gear Rotary Pump</b> (23 12 13) Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.		
23 12 13 00-0002		<b>10 GPM 1" Discharge</b> (23 12 13 00-0001)		
23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge .....	1,588.61	403.70
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge .....	1,687.28	488.62
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge .....	1,862.23	580.50
23 12 13 00-0006		<b>25 GPM 1-1/4" Discharge</b> (23 12 13 00-0001)		
23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge .....	1,767.13	403.70
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge .....	1,869.42	488.62
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge .....	1,971.45	580.50
23 12 13 00-0010		<b>Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI</b> (23 12 13)		
23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel .....	1,217.27	226.21
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel .....	1,423.37	253.36
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel .....	1,560.56	283.99
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel .....	1,708.92	320.17
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel .....	2,345.65	356.37
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel .....	2,845.99	398.82
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel .....	3,156.95	446.86
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel .....	3,821.34	499.76
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel .....	4,486.67	560.31
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel .....	5,024.16	628.52
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel .....	5,632.78	704.53
23 12 23		<b>Facility Natural-Gas Pumps</b> (23 12)		
23 12 23 00-0001		<b>Natural Gas Booster Pump</b> (23 12 23)		
23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size .....	1,323.97	208.81
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size .....	1,565.88	233.17
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size .....	1,750.14	243.61
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size .....	1,978.99	254.06
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size .....	2,230.67	261.01
23 13		<b>Facility Fuel-Storage Tanks</b> (23 10)		
23 13 13		<b>Facility Underground Fuel-Oil, Storage Tanks</b> (23 13)		
23 13 13 13		<b>Double-Wall Steel, Underground Fuel-Oil, Storage Tanks</b> (23 13 13)		
23 13 13 13-0001		<b>Coated Underground Double Wall Storage Tanks</b> (23 13 13 13) Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.		
23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	17,060.99	947.70
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	18,416.26	947.70
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	26,572.45	1,184.55
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	36,540.47	2,313.71
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	58,028.95	2,974.60
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	64,668.21	3,416.42
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	69,987.77	4,517.22
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	72,411.82	4,850.01
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	88,335.77	5,729.68
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	102,299.35	6,608.77
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	130,607.62	7,267.60
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	154,877.43	8,824.03
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	160,031.78	9,364.59
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	197,084.66	14,854.19
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	242,425.94	19,262.24
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	285,491.92	22,039.50
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	366,179.65	23,692.47
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars .....	494,396.89	24,300.03
23 13 13 23		<b>Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks</b> (23 13 13)		
23 13 13 23-0001		<b>Underground Fiberglass Storage Tanks</b> (23 13 13 23)		
23 13 13 23-0002		<b>Single Wall Fiberglass Underground Storage Tanks</b> (23 13 13 23-0001) Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.		
23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	4,591.71	947.70
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	5,766.06	1,184.55
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	7,495.31	1,465.63
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	8,541.89	1,785.20
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	9,580.58	2,093.75
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	11,703.86	2,754.94
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	14,169.91	4,187.50
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	16,156.99	5,289.48
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	19,279.96	5,950.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 13 23-0012	EA		10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	21,801.49	7,052.64
23 13 13 23-0013	EA		12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	27,892.96	8,375.02
23 13 13 23-0014	EA		15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	34,371.09	10,468.77
23 13 13 23-0015	EA		20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	43,542.23	13,995.09
23 13 13 23-0016	EA		25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	64,238.15	17,411.21
23 13 13 23-0017	EA		30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	78,544.78	20,937.53
23 13 13 23-0018	EA		40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	112,375.67	30,304.32
23 13 13 23-0019	EA		50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps .....	158,857.65	38,569.13

**23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks (23 13 13 23-0001)**

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA		550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	8,665.79	947.70
23 13 13 23-0022	EA		1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	11,405.94	1,184.55
23 13 13 23-0023	EA		2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	13,678.17	1,432.57
23 13 13 23-0024	EA		3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	17,841.93	2,093.90
23 13 13 23-0025	EA		4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	20,137.32	2,754.94
23 13 13 23-0026	EA		5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	23,440.99	4,187.50
23 13 13 23-0027	EA		6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	26,254.19	5,289.48
23 13 13 23-0028	EA		8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	32,130.95	5,950.66
23 13 13 23-0029	EA		10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	34,652.49	7,052.64
23 13 13 23-0030	EA		12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	41,891.36	8,375.02
23 13 13 23-0031	EA		15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	57,376.66	10,468.77
23 13 13 23-0032	EA		20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	71,309.55	13,995.09
23 13 13 23-0033	EA		30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps.....	109,983.82	20,937.53

**23 13 13 23-0034 Underground Storage Tank Pump Enclosures (23 13 13 23)**

23 13 13 23-0035	EA		Secondary Containment Collar .....	4,219.37	
23 13 13 23-0036	EA		Turbine Enclosure With Lid 4' Long x 42" Diameter.....	4,219.37	
23 13 13 23-0037	EA		Fitting Kit For Turbine Enclosure .....	843.87	
23 13 13 23-0038	EA		Grommet Kits For Plumbing And Electrical.....	1,687.75	
23 13 13 23-0039	EA		Turbine Electrical Coupling Kit.....	2,109.68	

**23 13 13 23-0040 Rehabilitation Of Fiberglass Reinforced Polyester (FRP) Lining Tanks (23 13 13 23)**

Note: Fiberglass Reinforced Plastic Tanks (Sodium Hypochlorite Storage Tanks).

23 13 13 23-0041	DAY		Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Inspection, Two Man Crew With Confined Space Certification, Maximum Of Two Tanks Per Day, 10 Hour Day .....	1,300.00	
23 13 13 23-0042	SF		Fiberglass Reinforced Polyester (FRP) Storage Tank, Interior Lining Repairs, Inner Surface And Interior Layer Repair .....	109.95	
23 13 13 23-0043	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 24" Diameter Manway.....	9,702.27	
23 13 13 23-0044	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, Side Manway Installation, 30" Diameter Manway.....	14,427.12	
23 13 13 23-0045	SF		Fiberglass Reinforced Polyester (FRP) Storage Tank, Lining Replacement .....	133.72	
23 13 13 23-0046	LF		Fiberglass Reinforced Polyester (FRP) Storage Tank, Seam Repair .....	285.27	
23 13 13 23-0047	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Non-Gusseted Flange Installation.....	4,285.05	
23 13 13 23-0048	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Non-Gusseted Flange Installation.....	4,317.73	
23 13 13 23-0049	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Non-Gusseted Flange Installation.....	4,386.08	
23 13 13 23-0050	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Non-Gusseted Flange Installation.....	4,564.38	
23 13 13 23-0051	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Non-Gusseted Flange Installation.....	4,629.75	
23 13 13 23-0052	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Non-Gusseted Flange Installation.....	4,974.46	
23 13 13 23-0053	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Gusseted Flange Installation .....	4,597.07	
23 13 13 23-0054	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Gusseted Flange Installation .....	4,644.61	
23 13 13 23-0055	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Flange Installation .....	4,787.25	
23 13 13 23-0056	EA		Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Gusseted Flange Installation .....	5,084.41	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 10 Facility Fuel Systems**

**23 13 Facility Fuel-Storage Tanks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13	23-0057	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Gusseted Flange Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add</i> <i>For Blade Gusseted Outlet, Add</i>	5,268.65 215.00 790.30	
23 13 13	23-0058	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 6" Gusseted Flange Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For Additional Flange Installation During The Same Day, Add</i> <i>For Blade Gusseted Outlet, Add</i>	5,747.07 260.00 862.06	
23 13 13	23-0059	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Gusseted Full Bottom Drain Flange Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For Blade Gusseted Outlet, Add</i>	8,573.07 1,285.96	
23 13 13	23-0060	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/8" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,145.38 100.00 200.00 300.00	
23 13 13	23-0061	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1/2" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,145.38 100.00 200.00 300.00	
23 13 13	23-0062	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3/4" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,145.38 100.00 200.00 300.00	
23 13 13	23-0063	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,145.38 100.00 200.00 300.00	
23 13 13	23-0064	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 1-1/2" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,145.38 100.00 200.00 300.00	
23 13 13	23-0065	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,145.38 100.00 200.00 300.00	
23 13 13	23-0066	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 2-1/2" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,293.96 145.00 270.00 435.00	
23 13 13	23-0067	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 3" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,293.96 145.00 270.00 435.00	
23 13 13	23-0068	EA	Fiberglass Reinforced Polyester (FRP) Storage Tank, 4" Female Threaded Coupling Installation..... Note: Includes Labor, Material And Removal Of Old Flange <i>For One Additional Coupling Installation During The Same Day, (Total Of Two Couplings), Add</i> <i>For Two Additional Coupling Installation During The Same Day, (Total Of Three Couplings), Add</i> <i>For Three Additional Coupling Installation During The Same Day, (Total Of Four Couplings), Add</i>	4,293.96 145.00 270.00 435.00	

**23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks (23 13)**

**23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

23 13 23 13-0001	<b>Vertical Rectangular Double Wall Steel Fuel Day Tank (23 13 23 13)</b> Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.				
23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX).....	1,250.29	181.36	
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,340.83	190.43	
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,454.36	204.03	
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,663.89	217.63	
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,848.73	226.70	
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,181.43	272.04	
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,915.29	317.38	
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,673.16	362.72	
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,688.18	408.06	
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,224.90	453.40	
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,989.76	544.08	
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,720.34	634.76	
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,471.47	725.44	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,277.34	770.78
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,088.35	816.12
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,007.36	861.46
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,813.23	906.80
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,075.52	1,088.16
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,027.25	1,178.84
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,325.53	1,360.20
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,628.96	1,541.56
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,500.58	181.36
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,592.83	190.43
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,706.36	204.03
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,914.18	217.63
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,099.02	226.70
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,433.44	272.04
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,191.30	317.38
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,949.17	362.72
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,964.19	408.06
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,500.91	453.40
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,265.76	544.08
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,996.34	634.76
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,747.48	725.44
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,553.35	770.78
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,364.36	816.12
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,285.08	861.46
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,090.95	906.80
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,351.52	1,088.16
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,303.25	1,178.84
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,601.53	1,360.20
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX)..... Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,904.97	1,541.56
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,448.60	181.36
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,530.57	190.43
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,606.38	204.03
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,882.77	217.63
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,988.75	226.70
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,311.17	272.04
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,981.60	317.38
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,010.33	362.72
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,634.48	408.06
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,333.52	453.40
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,300.66	544.08
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,897.53	634.76
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,696.66	725.44
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,466.53	770.78
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE)..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,476.40	816.12



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,906.83	861.46
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,294.40	906.80
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,082.99	1,088.16
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,783.87	1,178.84
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,675.31	1,360.20
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,595.90	1,541.56
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,580.05	181.36
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,662.02	190.43
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,737.83	204.03
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,014.22	217.63
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,120.20	226.70
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,442.62	272.04
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,113.05	317.38
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,141.78	362.72
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,841.37	408.06
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,070.67	453.40
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,037.82	544.08
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,636.40	634.76
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,433.82	725.44
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,205.40	770.78
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,213.56	816.12
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,643.98	861.46
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,031.56	906.80
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,820.15	1,088.16
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,522.75	1,178.84
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,412.47	1,360.20
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump (Tramont UTRE) ..... Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	20,333.05	1,541.56
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,212.63	181.36
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,303.17	190.43
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,380.70	204.03
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,665.66	217.63
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,819.64	226.70
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,114.64	272.04
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,810.78	317.38
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,887.51	362.72
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,533.95	408.06
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,298.13	453.40
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,313.27	544.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0097	EA		350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,856.99	634.76
23 13 23 13-0098	EA		400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,758.99	725.44
23 13 23 13-0099	EA		450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,686.57	770.78
23 13 23 13-0100	EA		500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,619.30	816.12
23 13 23 13-0101	EA		550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,099.44	861.46
23 13 23 13-0102	EA		600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,461.30	906.80
23 13 23 13-0103	EA		700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,327.03	1,088.16
23 13 23 13-0104	EA		800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,108.49	1,178.84
23 13 23 13-0105	EA		900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,080.50	1,360.20
23 13 23 13-0106	EA		1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont TRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,078.23	1,541.56
23 13 23 13-0107	EA		10 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,344.09	181.36
23 13 23 13-0108	EA		15 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,434.63	190.43
23 13 23 13-0109	EA		25 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,512.15	204.03
23 13 23 13-0110	EA		50 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,797.11	217.63
23 13 23 13-0111	EA		60 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,951.09	226.70
23 13 23 13-0112	EA		75 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,242.66	272.04
23 13 23 13-0113	EA		100 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,942.23	317.38
23 13 23 13-0114	EA		150 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,018.96	362.72
23 13 23 13-0115	EA		200 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,665.40	408.06
23 13 23 13-0116	EA		275 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,035.28	453.40
23 13 23 13-0117	EA		300 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,050.43	544.08
23 13 23 13-0118	EA		350 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,765.58	634.76
23 13 23 13-0119	EA		400 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,496.14	725.44
23 13 23 13-0120	EA		450 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,423.73	770.78
23 13 23 13-0121	EA		500 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,356.46	816.12
23 13 23 13-0122	EA		550 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,836.60	861.46
23 13 23 13-0123	EA		600 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,200.18	906.80
23 13 23 13-0124	EA		700 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,064.19	1,088.16
23 13 23 13-0125	EA		800 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,845.65	1,178.84
23 13 23 13-0126	EA		900 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS)..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,817.66	1,360.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 10 Facility Fuel Systems**

**23 13 Facility Fuel-Storage Tanks**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) ..... Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	22,815.39	1,541.56
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,239.11	181.36
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,340.21	190.43
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,453.40	204.03
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,654.84	217.63
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,174.58	226.70
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,250.14	272.04
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	2,819.02	317.38
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,476.15	362.72
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,538.35	408.06
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	5,677.48	453.40
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	6,815.24	544.08
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,344.28	634.76
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	7,875.57	725.44
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	8,636.80	770.78
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,400.29	816.12
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,066.49	861.46
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	10,739.45	906.80
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,177.69	1,088.16
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	13,505.54	1,178.84
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	15,020.72	1,360.20
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	16,486.12	1,541.56
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank.....	1,306.27	190.43
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank.....	1,419.71	204.03
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank.....	1,537.92	217.63
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank.....	1,741.74	226.70
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank.....	2,349.96	272.04
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank.....	2,425.52	317.38
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank.....	3,021.81	362.72
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank.....	3,711.26	408.06
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank.....	4,828.27	453.40
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank.....	6,026.48	498.74
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank.....	7,219.05	589.42
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank.....	7,769.08	680.10
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank.....	8,321.50	770.78
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank.....	9,120.82	816.12
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank.....	9,922.52	861.46
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank.....	10,621.54	906.80
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank.....	11,403.26	997.48
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank.....	12,904.62	1,178.84
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank.....	14,448.96	1,360.20
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank.....	16,031.53	1,541.56
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank.....	17,561.54	1,722.92
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,417.88	181.36
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,541.61	190.43
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,668.37	204.03
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	1,915.07	217.63
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,532.12	226.70
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,607.68	272.04
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,258.02	317.38
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,021.51	362.72
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,268.65	408.06
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	6,664.11	453.40
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,003.26	544.08
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	8,602.46	634.76
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,206.16	725.44
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,109.95	770.78
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,016.00	816.12
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	11,788.54	861.46
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	12,579.19	906.80
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	14,255.04	1,088.16
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	15,822.75	1,178.84
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	17,575.53	1,360.20
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank.....	19,278.54	1,541.56
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank.....	1,494.97	190.43
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank.....	1,632.29	204.03
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank.....	1,764.84	217.63
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank.....	2,016.43	226.70
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank.....	2,727.37	272.04
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank.....	2,802.93	317.38
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank.....	3,485.20	362.72
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank.....	4,286.92	408.06
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank.....	5,599.14	453.40
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank.....	7,067.91	498.74
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank.....	8,473.08	589.42
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank.....	9,097.16	680.10
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank.....	9,726.01	770.78
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank.....	10,675.81	816.12
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank.....	11,628.00	861.46
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank.....	12,439.26	906.80
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank.....	13,345.21	997.48
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank.....	15,097.37	1,178.84
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank.....	16,894.90	1,360.20
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank.....	18,728.28	1,541.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 13 23	13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank .....	20,509.09	1,722.92
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**23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

**23 13 23 16-0001 Single Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23	16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	5,396.56	985.70
23 13 23	16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	6,489.70	1,193.19
23 13 23	16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	8,769.68	1,647.81
23 13 23	16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	11,319.31	2,059.76
23 13 23	16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	13,616.68	2,707.77
23 13 23	16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	20,226.01	2,787.41
23 13 23	16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	29,261.94	3,446.24
23 13 23	16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	39,998.44	3,948.74
23 13 23	16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	47,578.57	4,307.69
23 13 23	16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	55,168.13	4,738.49
23 13 23	16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	61,076.06	5,264.94
23 13 23	16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	76,335.18	6,769.21
23 13 23	16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	103,957.38	7,897.49

**23 13 23 16-0015 Double Wall Aboveground Storage Tanks (23 13 23 16)**

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, pad, foundation excavation and backfill.

23 13 23	16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	8,476.16	1,229.92
23 13 23	16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings ...	10,187.92	1,488.36
23 13 23	16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	13,588.32	2,059.76
23 13 23	16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	17,789.07	2,574.71
23 13 23	16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	22,845.66	3,384.68
23 13 23	16-0021	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings .....	32,218.83	3,484.15
23 13 23	16-0022	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings.....	46,938.17	4,292.12
23 13 23	16-0023	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	64,641.39	4,935.97
23 13 23	16-0024	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	77,122.29	5,384.70
23 13 23	16-0025	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	89,576.43	5,923.05
23 13 23	16-0026	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	99,157.85	6,581.29
23 13 23	16-0027	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings.....	123,819.33	8,461.55
23 13 23	16-0028	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings .....	169,406.64	9,871.79

**23 13 23 16-0029 Horizontal Rectangular Double Wall Aboveground Fuel Day Tanks (23 13 23 16)**

Note: Includes solenoid valve. Excludes piping and concrete pad.

23 13 23	16-0030	EA	550 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank .....	16,256.61	1,488.36
23 13 23	16-0031	EA	750 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank .....	17,216.89	1,699.30
23 13 23	16-0032	EA	1,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank .....	19,386.99	2,059.76
23 13 23	16-0033	EA	1,500 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank .....	23,225.91	2,574.71
23 13 23	16-0034	EA	2,000 Gallon, Double Wall, Aboveground Horizontal Fuel Storage Tank .....	29,714.22	3,384.68

Note: Includes 2" solenoid valve.

**23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

**23 13 23 19-0001 Secondary Containment For Above Ground Tanks (23 13 23 19)**

23 13 23	19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated .....	6,863.10	
23 13 23	19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated .....	8,293.02	
23 13 23	19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated .....	18,108.26	
23 13 23	19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated .....	19,824.63	
23 13 23	19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated .....	28,169.70	
23 13 23	19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated .....	31,559.82	
23 13 23	19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated .....	41,661.48	
23 13 23	19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated .....	48,891.64	
23 13 23	19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated .....	55,548.71	
23 13 23	19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated .....	67,639.02	
23 13 23	19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated .....	86,590.23	

**23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks (23 13 23)**

**23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks (23 13 23 26)**

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overflow containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23	26-0002	EA	500 Gallon Concrete Vaulted Storage Tank .....	38,073.50	2,049.53
			<i>For Low Profile Tanks, Add</i>	<i>14,085.48</i>	
23 13 23	26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank .....	47,962.12	2,313.71
			<i>For Low Profile Tanks, Add</i>	<i>17,893.47</i>	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 10 Facility Fuel Systems****23 13 Facility Fuel-Storage Tanks**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank .....	85,148.50		2,754.94
		<i>For Low Profile Tanks, Add</i>	32,521.76		
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank .....	134,843.18		6,059.54
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank .....	154,065.06		6,618.03
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank .....	173,404.17		7,146.97
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank .....	192,713.06		7,755.41
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank .....	212,012.35		8,255.26
<b>23 13 23 26-0010</b>		<b>Aboveground Concrete Vaulted Storage Tanks</b> (23 13 23 26)			
<b>23 13 23 26-0011</b>		<b>Aboveground Concrete Vaulted Storage Tank</b> (23 13 23 26-0010)			
		Note: Convault tank with 20 year warranty Includes vents, clock gauge, fill limited, 7 gallon overfills, slick port, and complete sign package.			
23 13 23 26-0012	EA	500 Gallon Concrete Vaulted Tank .....	23,587.27		
23 13 23 26-0013	EA	1000 Gallon Concrete Vaulted Tank .....	31,404.06		
23 13 23 26-0014	EA	2000 Gallon Concrete Vaulted Tank .....	51,068.67		
23 13 23 26-0015	EA	Dual 500 Gallon Concrete Vaulted Tank .....	40,691.32		
23 13 23 26-0016	EA	Split 1,000 Gallon Concrete Vaulted Tank .....	40,691.32		
23 13 23 26-0017	EA	Dual 1,000 Gallon Concrete Vaulted Tank .....	56,746.10		
23 13 23 26-0018	EA	Split 2,000 Gallon Concrete Vaulted Tank .....	56,746.10		
<b>23 13 23 26-0019</b>		<b>Accessories For Aboveground Concrete Vaulted Storage Tank</b> (23 13 23 26-0010)			
<b>23 13 23 26-0020</b>		<b>Pumps</b> (23 13 23 26-0019)			
23 13 23 26-0021	EA	Astra 3/4 HP Suction Pump For Gas With Hose, Nozzle Swivel, Breakaway And Ball Valve .....	12,497.71		
23 13 23 26-0022	EA	Astra 3/4 HP Suction Pump For Diesel With Hose, Nozzle Swivel, Breakaway And Ball Valve .....	12,958.54		
23 13 23 26-0023	EA	Astra 3/4 HP Suction Pump For Vapor With Hose, Nozzle Swivel, Breakaway And Ball Valve .....	14,129.05		
<b>23 13 23 26-0024</b>		<b>Monitor</b> (23 13 23 26-0019)			
23 13 23 26-0025	EA	Electronic High Level / Leak Monitoring System For Single Compartment Tank .....	3,864.83		
23 13 23 26-0026	EA	Electronic High Level / Leak Monitoring System For Dual/Split Compartment Tank .....	5,379.42		
23 13 23 26-0027	EA	Electronic Gauging Including High/Leak Monitoring For Single Compartment Tank .....	11,612.92		
23 13 23 26-0028	EA	Electronic Gauging Including High/Leak Monitoring For Dual/Split Compartment Tank .....	16,098.33		
<b>23 13 23 26-0029</b>		<b>Heaters</b> (23 13 23 26-0019)			
23 13 23 26-0030	EA	Bung Heater For 500 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1 .....	6,626.74		
23 13 23 26-0031	EA	Bung Heater For 1,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1 .....	6,725.05		
23 13 23 26-0032	EA	Bung Heater For 2,000 Gallon Tank, 240 Volt, Single Phase, High Limit Control NEMA 1 .....	6,838.72		
<b>23 13 23 26-0033</b>		<b>Fuel Management</b> (23 13 23 26-0019)			
23 13 23 26-0034	EA	TopKat Fuel Management Key System (50) Keys Direct Connection With Windows Software .....	19,969.30		
23 13 23 26-0035	EA	TopKat Fuel Management Key System (50) Keys Modem Connection With Windows Software .....	21,198.18		
<b>23 13 33 Facility Fuel-Oil, Storage Tank Accessories</b> (23 13)					
<b>23 13 33 00-0001</b>		<b>EPA Requirements</b> (23 13 33)			
23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon) .....	2,510.32		
23 13 33 00-0003	EA	Over-Fill Prevention Valve .....	1,420.20		
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass .....	5,416.01		
23 13 33 00-0005	EA	Tank Manway With Cover, Steel .....	6,702.72		
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent) .....	255.31		
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level .....	796.40		
23 13 33 00-0008	EA	Manhole Spill Containment .....	2,944.96		352.39
23 13 33 00-0009	EA	Fill Adapter, 4" .....	548.09		234.97
23 13 33 00-0010	EA	Fill Cap, 4" .....	382.75		88.10
23 13 33 00-0011	EA	2" Vent Cap .....	222.34		58.77
23 13 33 00-0012	EA	4" x 2" Extractor Fitting .....	898.28		88.10
23 13 33 00-0013	EA	Float Vent Valve .....	492.63		176.19
23 13 33 00-0014	EA	Vapor Hose Adapter .....	816.68		117.41
23 13 33 00-0015	EA	Dust Cap .....	334.70		64.14
23 13 33 00-0016	EA	1" Double Poppet Foot Valve .....	514.75		100.64
23 13 33 00-0017	EA	10' Wood Gage Stick .....	43.31		
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT .....	325.00		
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet .....	452.38		
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent .....	104.90		
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent .....	140.66		
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent .....	219.29		
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent .....	2,135.31		
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set .....	2,023.76		
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set .....	2,390.90		
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set .....	2,607.60		
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set .....	2,859.69		
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set .....	4,069.88		
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set .....	5,017.61		
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set .....	5,556.28		
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set .....	6,818.17		
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set .....	8,064.53		
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set .....	9,027.50		
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set .....	10,421.97		



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 13 33 00-0035		Tank Bulkhead Fittings <small>(23 13 33)</small>	
23 13 33 00-0036		Tank Bulkhead Fittings <small>(23 13 33 00-0035)</small>	
23 13 33 00-0037		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0035)</small>	
23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	73.53
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	82.30
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	90.51
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	110.76
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	113.79
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	152.71
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	248.80
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread.....	445.87
23 13 33 00-0046		Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0035)</small>	
23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	87.10
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	95.81
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	104.57
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	132.59
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	141.36
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	177.69
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	282.11
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread.....	493.18
23 13 33 00-0055		Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection <small>(23 13 33 00-0035)</small>	
23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	90.19
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	104.69
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	118.63
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	154.87
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	205.76
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	327.38
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread.....	521.31
23 13 33 00-0063		Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection <small>(23 13 33 00-0035)</small>	
23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	107.39
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	127.57
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread.....	158.67
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread.....	195.02
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread.....	198.05
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread.....	288.48
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread.....	527.11
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread.....	953.09
23 13 33 00-0072		Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection <small>(23 13 33 00-0035)</small>	
23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	92.17
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread.....	121.06
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread.....	124.10
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread.....	127.13
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread.....	181.83
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread.....	232.32
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection <small>(23 13 33 00-0035)</small>	
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	435.89
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	498.36
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread.....	614.24
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	709.23
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread.....	817.64
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,031.76
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,341.79
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread.....	1,482.90
23 13 33 00-0088		Self-Aligning Bulkhead Fittings <small>(23 13 33 00-0035)</small>	
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	443.43
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	442.99
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	649.95
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	662.74
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting.....	898.32

**23 20 HVAC Piping and Pumps** (23)



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



WE FINANCE, BUILD AND DELIVER.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**23 21 Hydronic Piping and Pumps** (23 20)

**23 21 13 Hydronic Piping** (23 21)

**23 21 13 23 Aboveground Hydronic Piping** (23 21 13)

**23 21 13 23-0001 Threaded Black Steel Pipe** (23 21 13 23)

**23 21 13 23-0002 Threaded Black Steel Pipe Assemblies** (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. Includes cutting and threading to length where necessary.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	27.38	5.59
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	6.78	
		<i>For Work In Restricted Working Space, Add</i>	5.77	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	30.12	6.00
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	7.63	
		<i>For Work In Restricted Working Space, Add</i>	6.03	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	33.64	6.57
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	8.72	
		<i>For Work In Restricted Working Space, Add</i>	6.37	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	40.33	6.85
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	10.86	
		<i>For Work In Restricted Working Space, Add</i>	6.86	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	43.18	8.10
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	11.83	
		<i>For Work In Restricted Working Space, Add</i>	6.96	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	51.72	9.77
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	14.44	
		<i>For Work In Restricted Working Space, Add</i>	7.84	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	74.39	11.59
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	21.59	
		<i>For Work In Restricted Working Space, Add</i>	9.73	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	94.68	15.50
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	27.73	
		<i>For Work In Restricted Working Space, Add</i>	11.92	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	130.90	17.97
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	40.20	
		<i>For Work In Restricted Working Space, Add</i>	12.98	
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	194.72	22.97
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	61.85	
		<i>For Work In Restricted Working Space, Add</i>	15.47	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly .....	236.56	27.16
		Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		<i>For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add</i>	75.82	
		<i>For Work In Restricted Working Space, Add</i>	17.52	

**23 21 13 23-0014 Threaded Black Steel Pipe And Fittings** (23 21 13 23-0001)

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

**23 21 13 23-0015 Threaded And Coupled, Black Steel Piping** (23 21 13 23-0014)

Note: ASTM A-53. Includes coupling. Includes cutting and threading to length where necessary.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	10.41	3.49
		<i>For Schedule 80 Pipe, Add</i>	2.22	
		<i>For Work In Restricted Working Space, Add</i>	2.12	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	14.07	5.59
		<i>For Schedule 80 Pipe, Add</i>	3.37	
		<i>For Work In Restricted Working Space, Add</i>	2.54	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	16.27	6.00
		<i>For Schedule 80 Pipe, Add</i>	4.17	
		<i>For Work In Restricted Working Space, Add</i>	2.70	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	19.45	6.57
		<i>For Schedule 80 Pipe, Add</i>	5.34	
		<i>For Work In Restricted Working Space, Add</i>	2.93	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe.....	23.31	6.85
		<i>For Schedule 80 Pipe, Add</i>	6.87	
		<i>For Work In Restricted Working Space, Add</i>	3.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0021	LF		1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.65 8.19 3.64	8.10
23 21 13 23-0022	LF		2" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.01 10.61 4.41	9.77
23 21 13 23-0023	LF		2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.53 16.18 5.24	11.59
23 21 13 23-0024	LF		3" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.30 21.24 6.98	15.50
23 21 13 23-0025	LF		4" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.81 30.96 8.11	17.97
23 21 13 23-0026	LF		5" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	117.83 40.99 10.32	22.97
23 21 13 23-0027	LF		6" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	150.72 53.59 12.20	27.16
23 21 13 23-0028	LF		8" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	212.36 78.36 14.74	32.84
23 21 13 23-0029	LF		10" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	291.07 109.96 18.02	39.99
23 21 13 23-0030	LF		12" Schedule 40, Threaded And Coupled, Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	389.44 147.66 23.65	52.56
<b>23 21 13 23-0031</b>			<b>Black Malleable Iron 90 Degree Elbows</b> (23 21 13 23-0014)		
23 21 13 23-0032	EA		3/8", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.78 15.66 0.09 9.31	20.66
23 21 13 23-0033	EA		1/2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.23 11.81 0.06 11.17	24.86
23 21 13 23-0034	EA		3/4", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.50 14.05 0.08 12.51	27.79
23 21 13 23-0035	EA		1", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	54.90 22.83 0.13 13.97	31.00
23 21 13 23-0036	EA		1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	66.47 36.23 0.22 15.81	35.20
23 21 13 23-0037	EA		1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.56 47.08 0.29 17.83	39.66
23 21 13 23-0038	EA		2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.75 79.58 0.50 22.64	50.41
23 21 13 23-0039	EA		2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	181.37 173.86 1.11 33.52	74.58
23 21 13 23-0040	EA		3", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	248.90 253.40 1.63 44.10	98.03
23 21 13 23-0041	EA		4", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	376.55 534.84 3.50 47.29	105.12
23 21 13 23-0042	EA		5", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	804.15 1,545.05 10.23 49.35	109.71
23 21 13 23-0043	EA		6", 150 LB, Black Malleable Iron 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	910.86 1,783.68 11.82 51.59	114.71
<b>23 21 13 23-0044</b>			<b>Black Malleable Iron Reducing 90 Degree Elbows</b> (23 21 13 23-0014)		
23 21 13 23-0045	EA		1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	41.72 20.26 0.12 10.24	22.76

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	47.28	26.25
		<i>For 300 LB Rating, Add</i>	21.14	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.13	
		<i>For Work In Restricted Working Space, Add</i>	11.84	
23 21 13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	47.29	24.29
		<i>For 300 LB Rating, Add</i>	28.41	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
		<i>For Work In Restricted Working Space, Add</i>	10.91	
23 21 13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	54.15	29.47
		<i>For 300 LB Rating, Add</i>	26.74	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.16	
		<i>For Work In Restricted Working Space, Add</i>	13.23	
23 21 13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	52.73	27.92
		<i>For 300 LB Rating, Add</i>	28.53	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.17	
		<i>For Work In Restricted Working Space, Add</i>	12.57	
23 21 13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	60.13	25.84
		<i>For 300 LB Rating, Add</i>	53.52	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.34	
		<i>For Work In Restricted Working Space, Add</i>	11.64	
23 21 13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	66.49	33.10
		<i>For 300 LB Rating, Add</i>	43.47	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.27	
		<i>For Work In Restricted Working Space, Add</i>	14.89	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	66.02	31.42
		<i>For 300 LB Rating, Add</i>	48.02	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.30	
		<i>For Work In Restricted Working Space, Add</i>	14.16	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	66.97	30.02
		<i>For 300 LB Rating, Add</i>	55.50	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.35	
		<i>For Work In Restricted Working Space, Add</i>	13.49	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	79.86	37.42
		<i>For 300 LB Rating, Add</i>	60.51	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.38	
		<i>For Work In Restricted Working Space, Add</i>	16.82	
23 21 13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	76.79	35.33
		<i>For 300 LB Rating, Add</i>	60.32	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.38	
		<i>For Work In Restricted Working Space, Add</i>	15.89	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	77.80	33.65
		<i>For 300 LB Rating, Add</i>	68.43	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.44	
		<i>For Work In Restricted Working Space, Add</i>	15.17	
23 21 13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	101.94	44.97
		<i>For 300 LB Rating, Add</i>	86.82	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.55	
		<i>For Work In Restricted Working Space, Add</i>	20.24	
23 21 13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	103.29	42.73
		<i>For 300 LB Rating, Add</i>	97.93	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.63	
		<i>For Work In Restricted Working Space, Add</i>	19.23	
23 21 13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	100.21	40.64
		<i>For 300 LB Rating, Add</i>	97.74	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.63	
		<i>For Work In Restricted Working Space, Add</i>	18.30	
23 21 13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	100.14	39.10
		<i>For 300 LB Rating, Add</i>	103.26	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.66	
		<i>For Work In Restricted Working Space, Add</i>	17.57	
23 21 13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	188.26	62.42
		<i>For 300 LB Rating, Add</i>	232.80	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	1.51	
		<i>For Work In Restricted Working Space, Add</i>	28.08	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	185.82	57.12
		<i>For 300 LB Rating, Add</i>	245.71	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	1.60	
		<i>For Work In Restricted Working Space, Add</i>	25.67	
23 21 13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	306.51	86.30
		<i>For 300 LB Rating, Add</i>	432.95	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	2.83	
		<i>For Work In Restricted Working Space, Add</i>	38.81	
23 21 13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	264.28	74.15
		<i>For 300 LB Rating, Add</i>	373.97	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	2.45	
		<i>For Work In Restricted Working Space, Add</i>	33.37	
23 21 13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	452.72	99.98
		<i>For 300 LB Rating, Add</i>	735.67	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	4.84	
		<i>For Work In Restricted Working Space, Add</i>	44.98	
23 21 13 23-0066		<b>Black Malleable Iron 45 Degree Elbows</b> (23 21 13 23-0014)		
23 21 13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	39.70	20.66
		<i>For 300 LB Rating, Add</i>	22.67	
		<i>For Standard Weight Cast Iron Fittings, Add</i>	0.14	
		<i>For Work In Restricted Working Space, Add</i>	9.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0068	EA		1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.83 18.05 0.11 11.17	24.86
23 21 13 23-0069	EA		3/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.84 22.06 0.13 12.51	27.79
23 21 13 23-0070	EA		1", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.80 27.39 0.16 13.97	31.00
23 21 13 23-0071	EA		1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	70.83 46.70 0.29 15.81	35.20
23 21 13 23-0072	EA		1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	81.88 57.45 0.36 17.83	39.66
23 21 13 23-0073	EA		2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.42 85.98 0.54 22.64	50.41
23 21 13 23-0074	EA		2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	209.93 242.41 1.57 33.52	74.58
23 21 13 23-0075	EA		3", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	274.55 314.96 2.04 44.10	98.03
23 21 13 23-0076	EA		4", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	407.78 609.79 4.00 47.29	105.12
23 21 13 23-0077	EA		5", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,152.56 2,381.24 15.81 49.35	109.71
23 21 13 23-0078	EA		6", 150 LB, Black Malleable Iron 45 Degree Elbow <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,182.87 2,436.50 16.17 51.59	114.71
<b>23 21 13 23-0079</b>			<b>Black Malleable Iron Tees</b> <small>(23 21 13 23-0014)</small>		
23 21 13 23-0080	EA		3/8", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.15 22.37 0.13 11.64	25.55
23 21 13 23-0081	EA		1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.89 15.61 0.09 13.97	31.00
23 21 13 23-0082	EA		3/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.36 21.58 0.12 16.11	35.89
23 21 13 23-0083	EA		1", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.58 35.27 0.21 19.04	42.31
23 21 13 23-0084	EA		1-1/4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	96.70 55.46 0.34 22.64	50.41
23 21 13 23-0085	EA		1-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	116.49 68.74 0.42 27.03	60.04
23 21 13 23-0086	EA		2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	156.71 114.68 0.72 33.52	74.58
23 21 13 23-0087	EA		2-1/2", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	243.97 241.57 1.55 44.10	98.03
23 21 13 23-0088	EA		3", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	317.40 353.31 2.29 52.37	116.47
23 21 13 23-0089	EA		4", 150 LB, Black Malleable Iron Tee <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	544.39 840.60 5.52 59.74	132.82

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0090	EA 5", 150 LB, Black Malleable Iron Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,282.74 2,525.26 16.74 70.94	157.68
23 21 13 23-0091	EA 6", 150 LB, Black Malleable Iron Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,393.08 2,711.05 17.97 81.07	180.25
<b>23 21 13 23-0092 Black Malleable Iron Reducing Tees (23 21 13 23-0014)</b>			
23 21 13 23-0093	EA 1/2", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.62 24.56 0.15 13.97	31.00
23 21 13 23-0094	EA 3/4", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.55 31.64 0.19 16.11	35.89
23 21 13 23-0095	EA 1", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	78.40 39.64 0.24 19.04	42.31
23 21 13 23-0096	EA 1-1/4", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	104.83 74.97 0.47 22.64	50.41
23 21 13 23-0097	EA 1-1/2", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	122.62 83.45 0.52 27.03	60.04
23 21 13 23-0098	EA 2", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	158.93 120.01 0.76 33.52	74.58
23 21 13 23-0099	EA 2-1/2", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	294.10 361.88 2.35 44.10	98.03
23 21 13 23-0100	EA 3", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	343.04 414.85 2.70 52.37	116.47
23 21 13 23-0101	EA 4", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	607.76 992.68 6.54 59.74	132.82
23 21 13 23-0102	EA 5", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,184.28 2,288.96 15.17 70.94	157.68
23 21 13 23-0103	EA 6", 150 LB, Black Malleable Iron Reducing Tee ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,345.28 2,596.33 17.20 81.07	180.25
<b>23 21 13 23-0104 Black Malleable Iron Couplings (23 21 13 23-0014)</b>			
23 21 13 23-0105	EA 3/8", 150 LB, Black Malleable Iron Coupling ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.19 19.05 0.11 9.31	20.66
23 21 13 23-0106	EA 1/2", 150 LB, Black Malleable Iron Coupling ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.75 15.46 0.09 11.17	24.86
23 21 13 23-0107	EA 3/4", 150 LB, Black Malleable Iron Coupling ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.15 18.01 0.10 12.51	27.79
23 21 13 23-0108	EA 1", 150 LB, Black Malleable Iron Coupling ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.22 26.00 0.15 13.97	31.00
23 21 13 23-0109	EA 1-1/4", 150 LB, Black Malleable Iron Coupling ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	65.21 33.21 0.20 15.81	35.20
23 21 13 23-0110	EA 1-1/2", 150 LB, Black Malleable Iron Coupling ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	76.35 44.17 0.27 17.83	39.66
23 21 13 23-0111	EA 2", 150 LB, Black Malleable Iron Coupling ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	100.56 64.72 0.40 22.64	50.41
23 21 13 23-0112	EA 2-1/2", 150 LB, Black Malleable Iron Coupling ..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	180.92 172.78 1.11 33.52	74.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0113	EA		3", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	240.55 233.36 1.50 44.10	98.03
23 21 13 23-0114	EA		4", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	346.06 461.67 3.01 47.29	105.12
23 21 13 23-0115	EA		5", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	695.04 1,283.19 8.49 49.35	109.71
23 21 13 23-0116	EA		6", 150 LB, Black Malleable Iron Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	776.38 1,460.93 9.67 51.59	114.71
<b>23 21 13 23-0117 Black Malleable Iron Reducing Couplings (23 21 13 23-0014)</b>					
23 21 13 23-0118	EA		1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	44.08 18.65 0.11 11.17	24.86
23 21 13 23-0119	EA		3/4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	48.94 19.90 0.12 12.51	27.79
23 21 13 23-0120	EA		1", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	57.83 29.87 0.18 13.97	31.00
23 21 13 23-0121	EA		1-1/4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	67.20 37.99 0.23 15.81	35.20
23 21 13 23-0122	EA		1-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	77.77 47.58 0.29 17.83	39.66
23 21 13 23-0123	EA		2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	102.05 68.30 0.43 22.64	50.41
23 21 13 23-0124	EA		2-1/2", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	190.26 195.20 1.26 33.52	74.58
23 21 13 23-0125	EA		3", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	242.46 237.95 1.53 44.10	98.03
23 21 13 23-0126	EA		4", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	349.00 468.72 3.06 47.29	105.12
23 21 13 23-0127	EA		5", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	594.60 1,042.13 6.88 49.35	109.71
23 21 13 23-0128	EA		6", 150 LB, Black Malleable Iron Reducing Coupling..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	724.40 1,336.17 8.84 51.59	114.71
<b>23 21 13 23-0129 Black Malleable Iron Caps (23 21 13 23-0014)</b>					
23 21 13 23-0130	EA		1/2", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	20.80 10.70 0.06 5.03	11.03
23 21 13 23-0131	EA		3/4", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.22 14.23 0.09 5.63	12.42
23 21 13 23-0132	EA		1", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.56 17.12 0.11 6.29	13.83
23 21 13 23-0133	EA		1-1/4", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	32.41 22.30 0.14 7.11	15.64
23 21 13 23-0134	EA		1-1/2", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.70 30.31 0.19 8.02	17.60
23 21 13 23-0135	EA		2", 150 LB, Black Malleable Iron Cap..... <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	51.42 43.94 0.28 10.19	22.48

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 13 23-0136	EA 2-1/2", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	90.32 99.14 0.64 15.08	33.24
23 21 13 23-0137	EA 3", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	125.21 145.71 0.94 19.85	43.71
23 21 13 23-0138	EA 4", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	172.22 247.33 1.62 21.28	46.89
23 21 13 23-0139	EA 5", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	315.42 583.80 3.86 22.21	48.92
23 21 13 23-0140	EA 6", 150 LB, Black Malleable Iron Cap <i>For 300 LB Rating, Add</i> <i>For Standard Weight Cast Iron Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	519.88 1,066.64 7.08 23.21	51.08
<b>23 21 13 23-0141 Black Malleable Iron Unions (23 21 13 23-0014)</b>			
23 21 13 23-0142	EA 3/8", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	50.37 9.31	20.66
23 21 13 23-0143	EA 1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	64.05 13.97	31.00
23 21 13 23-0144	EA 3/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	73.83 16.11	35.89
23 21 13 23-0145	EA 1", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	89.70 19.04	42.31
23 21 13 23-0146	EA 1-1/4", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	113.10 22.64	50.41
23 21 13 23-0147	EA 1-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	137.00 27.03	60.04
23 21 13 23-0148	EA 2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	166.26 33.52	74.58
23 21 13 23-0149	EA 2-1/2", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	327.38 49.47	109.90
23 21 13 23-0150	EA 3", 150 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	412.59 65.10	144.53
23 21 13 23-0151	EA 3/8", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	56.59 9.31	20.66
23 21 13 23-0152	EA 1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	75.86 13.96	31.00
23 21 13 23-0153	EA 3/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	82.55 16.11	35.89
23 21 13 23-0154	EA 1", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	98.86 19.04	42.31
23 21 13 23-0155	EA 1-1/4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	134.86 22.64	50.41
23 21 13 23-0156	EA 1-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	158.46 27.03	60.04
23 21 13 23-0157	EA 2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	199.42 33.52	74.58
23 21 13 23-0158	EA 2-1/2", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	439.81 49.48	109.90
23 21 13 23-0159	EA 3", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	538.71 65.10	144.53
23 21 13 23-0160	EA 4", 250 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	802.94 69.81	155.12
23 21 13 23-0161	EA 3/8", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	72.50 9.31	20.66
23 21 13 23-0162	EA 1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	80.09 13.96	31.00
23 21 13 23-0163	EA 3/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	90.86 16.11	35.89
23 21 13 23-0164	EA 1", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	111.98 19.04	42.31
23 21 13 23-0165	EA 1-1/4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	154.60 22.64	50.41
23 21 13 23-0166	EA 1-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	172.96 27.03	60.04
23 21 13 23-0167	EA 2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	214.35 33.52	74.58
23 21 13 23-0168	EA 2-1/2", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	495.81 49.48	109.90
23 21 13 23-0169	EA 3", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	645.07 65.10	144.53
23 21 13 23-0170	EA 4", 300 LB, Black Malleable Iron Union <i>For Work In Restricted Working Space, Add</i>	1,591.34 69.81	155.12
<b>23 21 13 23-0171 Black Steel Nipples (23 21 13 23-0014)</b>			
23 21 13 23-0172	EA 3/8" x Close, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.46 2.76 5.99	13.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-0173	EA 1/2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.60 2.33 5.99	13.27
23 21	13	23-0174	EA 3/4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.29 2.67 5.99	13.27
23 21	13	23-0175	EA 1" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.23 3.88 6.44	14.38
23 21	13	23-0176	EA 1-1/4" x Close, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.10 4.91 6.98	15.50
23 21	13	23-0177	EA 1-1/2" x Close, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.51 6.12 6.98	15.50
23 21	13	23-0178	EA 2" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.68 8.33 9.01	19.97
23 21	13	23-0179	EA 2-1/2" x Close, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	89.38 26.07 11.17	24.86
23 21	13	23-0180	EA 3" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	107.01 30.98 13.52	30.02
23 21	13	23-0181	EA 4" x Close, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	147.36 46.66 16.21	36.08
23 21	13	23-0182	EA 3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.21 3.13 5.99	13.27
23 21	13	23-0183	EA 1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.60 2.33 5.99	13.27
23 21	13	23-0184	EA 3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.69 2.87 5.99	13.27
23 21	13	23-0185	EA 3/8" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.21 3.13 5.99	13.27
23 21	13	23-0186	EA 1/2" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	24.60 2.33 5.99	13.27
23 21	13	23-0187	EA 3/4" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.69 2.87 5.99	13.27
23 21	13	23-0188	EA 1" x 2" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.98 4.25 6.44	14.38
23 21	13	23-0189	EA 1-1/4" x 2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.42 5.57 6.98	15.50
23 21	13	23-0190	EA 1-1/2" x 2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.49 6.61 6.98	15.50
23 21	13	23-0191	EA 3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.99 4.02 5.99	13.27
23 21	13	23-0192	EA 1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.46 2.76 5.99	13.27
23 21	13	23-0193	EA 3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.44 3.25 5.99	13.27
23 21	13	23-0194	EA 1" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.50 4.51 6.44	14.38
23 21	13	23-0195	EA 1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.11 5.92 6.98	15.50
23 21	13	23-0196	EA 1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	38.04 7.38 6.98	15.50
23 21	13	23-0197	EA 2" x 2-1/2" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.15 9.56 9.01	19.97
23 21	13	23-0198	EA 3/8" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.99 4.02 5.99	13.27
23 21	13	23-0199	EA 1/2" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	25.46 2.76 5.99	13.27
23 21	13	23-0200	EA 3/4" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	26.44 3.25 5.99	13.27
23 21	13	23-0201	EA 1" x 3" Long, Schedule 40 Black Steel Nipple..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.50 4.51 6.44	14.38
23 21	13	23-0202	EA 1-1/4" x 3" Long, Schedule 40 Black Steel Nipple ..... <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.11 5.92 6.98	15.50

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	38.04	15.50
		<i>For Schedule 80 Nipples, Add</i>	7.38	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	49.15	19.97
		<i>For Schedule 80 Nipples, Add</i>	9.56	
		<i>For Work In Restricted Working Space, Add</i>	9.01	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	90.76	24.86
		<i>For Schedule 80 Nipples, Add</i>	26.76	
		<i>For Work In Restricted Working Space, Add</i>	11.17	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	112.41	30.02
		<i>For Schedule 80 Nipples, Add</i>	33.68	
		<i>For Work In Restricted Working Space, Add</i>	13.52	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	29.43	13.27
		<i>For Schedule 80 Nipples, Add</i>	4.74	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	26.55	13.27
		<i>For Schedule 80 Nipples, Add</i>	3.30	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	27.99	13.27
		<i>For Schedule 80 Nipples, Add</i>	4.02	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	32.62	14.38
		<i>For Schedule 80 Nipples, Add</i>	5.57	
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	37.29	15.50
		<i>For Schedule 80 Nipples, Add</i>	7.01	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	39.82	15.50
		<i>For Schedule 80 Nipples, Add</i>	8.27	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	53.17	19.97
		<i>For Schedule 80 Nipples, Add</i>	11.57	
		<i>For Work In Restricted Working Space, Add</i>	9.01	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	100.18	24.86
		<i>For Schedule 80 Nipples, Add</i>	31.47	
		<i>For Work In Restricted Working Space, Add</i>	11.17	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	124.81	30.02
		<i>For Schedule 80 Nipples, Add</i>	39.88	
		<i>For Work In Restricted Working Space, Add</i>	13.52	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	29.43	13.27
		<i>For Schedule 80 Nipples, Add</i>	4.74	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	26.55	13.27
		<i>For Schedule 80 Nipples, Add</i>	3.30	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	27.99	13.27
		<i>For Schedule 80 Nipples, Add</i>	4.02	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	32.62	14.38
		<i>For Schedule 80 Nipples, Add</i>	5.57	
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	37.29	15.50
		<i>For Schedule 80 Nipples, Add</i>	7.01	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	39.82	15.50
		<i>For Schedule 80 Nipples, Add</i>	8.27	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	53.17	19.97
		<i>For Schedule 80 Nipples, Add</i>	11.57	
		<i>For Work In Restricted Working Space, Add</i>	9.01	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	100.18	24.86
		<i>For Schedule 80 Nipples, Add</i>	31.47	
		<i>For Work In Restricted Working Space, Add</i>	11.17	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	124.81	30.02
		<i>For Schedule 80 Nipples, Add</i>	39.88	
		<i>For Work In Restricted Working Space, Add</i>	13.52	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	162.00	36.08
		<i>For Schedule 80 Nipples, Add</i>	53.98	
		<i>For Work In Restricted Working Space, Add</i>	16.21	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	33.62	13.27
		<i>For Schedule 80 Nipples, Add</i>	6.84	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	27.70	13.27
		<i>For Schedule 80 Nipples, Add</i>	3.88	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	30.06	13.27
		<i>For Schedule 80 Nipples, Add</i>	5.06	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	34.69	14.38
		<i>For Schedule 80 Nipples, Add</i>	6.61	
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	40.05	15.50
		<i>For Schedule 80 Nipples, Add</i>	8.39	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	43.49	15.50
		<i>For Schedule 80 Nipples, Add</i>	10.11	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	56.68	19.97
		<i>For Schedule 80 Nipples, Add</i>	13.33	
		<i>For Work In Restricted Working Space, Add</i>	9.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0233	EA		2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.38 34.57 11.17	24.86
23 21 13 23-0234	EA		3" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.02 43.99 13.52	30.02
23 21 13 23-0235	EA		4" x 4-1/2" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.39 61.68 16.21	36.08
23 21 13 23-0236	EA		3/8" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	33.62 6.84 5.99	13.27
23 21 13 23-0237	EA		1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	27.70 3.88 5.99	13.27
23 21 13 23-0238	EA		3/4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	30.06 5.06 5.99	13.27
23 21 13 23-0239	EA		1" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	34.69 6.61 6.44	14.38
23 21 13 23-0240	EA		1-1/4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	40.05 8.39 6.98	15.50
23 21 13 23-0241	EA		1-1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.49 10.11 6.98	15.50
23 21 13 23-0242	EA		2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	56.68 13.33 9.01	19.97
23 21 13 23-0243	EA		2-1/2" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	106.38 34.57 11.17	24.86
23 21 13 23-0244	EA		3" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	133.02 43.99 13.52	30.02
23 21 13 23-0245	EA		4" x 5" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	177.39 61.68 16.21	36.08
23 21 13 23-0246	EA		3/8" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.17 7.61 5.99	13.27
23 21 13 23-0247	EA		1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	28.62 4.34 5.99	13.27
23 21 13 23-0248	EA		3/4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	31.43 5.74 5.99	13.27
23 21 13 23-0249	EA		1" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	37.10 7.81 6.44	14.38
23 21 13 23-0250	EA		1-1/4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	43.15 9.94 6.98	15.50
23 21 13 23-0251	EA		1-1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.48 11.60 6.98	15.50
23 21 13 23-0252	EA		2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	61.27 15.62 9.01	19.97
23 21 13 23-0253	EA		2-1/2" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	109.31 36.04 11.17	24.86
23 21 13 23-0254	EA		3" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	140.66 47.81 13.52	30.02
23 21 13 23-0255	EA		4" x 6" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.89 65.93 16.21	36.08
23 21 13 23-0256	EA		3/8" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	46.65 13.35 5.99	13.27
23 21 13 23-0257	EA		1/2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	35.57 7.81 5.99	13.27
23 21 13 23-0258	EA		3/4" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	39.07 9.56 5.99	13.27
23 21 13 23-0259	EA		1" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	47.03 12.78 6.44	14.38
23 21 13 23-0260	EA		1-1/4" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	55.38 16.05 6.98	15.50
23 21 13 23-0261	EA		1-1/2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	60.09 18.41 6.98	15.50
23 21 13 23-0262	EA		2" x 8" Long, Schedule 40 Black Steel Nipple <i>For Schedule 80 Nipples, Add</i> <i>For Work In Restricted Working Space, Add</i>	82.40 26.19 9.01	19.97



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	128.95	24.86
		<i>For Schedule 80 Nipples, Add</i>	45.86	
		<i>For Work In Restricted Working Space, Add</i>	11.17	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	174.03	30.02
		<i>For Schedule 80 Nipples, Add</i>	64.49	
		<i>For Work In Restricted Working Space, Add</i>	13.52	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	206.22	36.08
		<i>For Schedule 80 Nipples, Add</i>	76.09	
		<i>For Work In Restricted Working Space, Add</i>	16.21	
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	49.93	13.27
		<i>For Schedule 80 Nipples, Add</i>	14.99	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	38.73	13.27
		<i>For Schedule 80 Nipples, Add</i>	9.39	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	42.17	13.27
		<i>For Schedule 80 Nipples, Add</i>	11.11	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	51.34	14.38
		<i>For Schedule 80 Nipples, Add</i>	14.93	
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	61.75	15.50
		<i>For Schedule 80 Nipples, Add</i>	19.24	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	66.35	15.50
		<i>For Schedule 80 Nipples, Add</i>	21.54	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	91.59	19.97
		<i>For Schedule 80 Nipples, Add</i>	30.78	
		<i>For Work In Restricted Working Space, Add</i>	9.01	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	140.26	24.86
		<i>For Schedule 80 Nipples, Add</i>	51.51	
		<i>For Work In Restricted Working Space, Add</i>	11.17	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	189.93	30.02
		<i>For Schedule 80 Nipples, Add</i>	72.44	
		<i>For Work In Restricted Working Space, Add</i>	13.52	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	227.35	36.08
		<i>For Schedule 80 Nipples, Add</i>	86.66	
		<i>For Work In Restricted Working Space, Add</i>	16.21	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	54.06	13.27
		<i>For Schedule 80 Nipples, Add</i>	17.06	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	42.23	13.27
		<i>For Schedule 80 Nipples, Add</i>	11.14	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	44.64	13.27
		<i>For Schedule 80 Nipples, Add</i>	12.35	
		<i>For Work In Restricted Working Space, Add</i>	5.99	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	55.76	14.38
		<i>For Schedule 80 Nipples, Add</i>	17.14	
		<i>For Work In Restricted Working Space, Add</i>	6.44	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	66.92	15.50
		<i>For Schedule 80 Nipples, Add</i>	21.82	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	72.90	15.50
		<i>For Schedule 80 Nipples, Add</i>	24.81	
		<i>For Work In Restricted Working Space, Add</i>	6.98	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	100.89	19.97
		<i>For Schedule 80 Nipples, Add</i>	35.43	
		<i>For Work In Restricted Working Space, Add</i>	9.01	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	151.86	24.86
		<i>For Schedule 80 Nipples, Add</i>	57.31	
		<i>For Work In Restricted Working Space, Add</i>	11.17	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	205.84	30.02
		<i>For Schedule 80 Nipples, Add</i>	80.40	
		<i>For Work In Restricted Working Space, Add</i>	13.52	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	257.21	36.08
		<i>For Schedule 80 Nipples, Add</i>	101.59	
		<i>For Work In Restricted Working Space, Add</i>	16.21	

**23 21 13 23-0286 Black Malleable Iron Bushing (23 21 13 23-0014)**

23 21 13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	40.26	22.76
		<i>For Work In Restricted Working Space, Add</i>	10.24	
23 21 13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing	45.50	24.43
		<i>For Work In Restricted Working Space, Add</i>	11.00	
23 21 13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing	48.29	26.25
		<i>For Work In Restricted Working Space, Add</i>	11.84	
23 21 13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing	51.28	26.11
		<i>For Work In Restricted Working Space, Add</i>	11.73	
23 21 13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing	50.99	27.92
		<i>For Work In Restricted Working Space, Add</i>	12.57	
23 21 13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing	53.21	29.47
		<i>For Work In Restricted Working Space, Add</i>	13.23	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing	55.83	28.07
		<i>For Work In Restricted Working Space, Add</i>	12.65	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing	58.02	30.02
		<i>For Work In Restricted Working Space, Add</i>	13.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0295	EA		1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	58.94 14.16	31.42
23 21 13 23-0296	EA		1-1/4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	61.37 14.89	33.10
23 21 13 23-0297	EA		1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	63.56 13.66	30.45
23 21 13 23-0298	EA		1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	63.20 14.50	32.26
23 21 13 23-0299	EA		1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	65.41 15.17	33.65
23 21 13 23-0300	EA		1-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	66.03 15.89	35.33
23 21 13 23-0301	EA		1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	70.95 16.82	37.42
23 21 13 23-0302	EA		2" x 3/8", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	79.02 16.07	35.75
23 21 13 23-0303	EA		2" x 1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	78.79 16.91	37.56
23 21 13 23-0304	EA		2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	77.56 17.57	39.10
23 21 13 23-0305	EA		2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	78.79 18.30	40.64
23 21 13 23-0306	EA		2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	81.87 19.23	42.73
23 21 13 23-0307	EA		2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	87.24 20.24	44.97
23 21 13 23-0308	EA		2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	109.01 23.01	51.11
23 21 13 23-0309	EA		2-1/2" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	111.44 23.74	52.78
23 21 13 23-0310	EA		2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	114.52 24.66	54.74
23 21 13 23-0311	EA		2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	115.68 25.67	57.12
23 21 13 23-0312	EA		2-1/2" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	123.46 28.08	62.42
23 21 13 23-0313	EA		3" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	139.03 28.30	62.84
23 21 13 23-0314	EA		3" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	141.46 29.03	64.52
23 21 13 23-0315	EA		3" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	144.54 29.96	66.61
23 21 13 23-0316	EA		3" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	147.04 30.97	68.85
23 21 13 23-0317	EA		3" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	152.19 33.37	74.15
23 21 13 23-0318	EA		3" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	170.91 38.81	86.30
23 21 13 23-0319	EA		4" x 3/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	184.69 29.69	65.94
23 21 13 23-0320	EA		4" x 1", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	187.05 30.40	67.56
23 21 13 23-0321	EA		4" x 1-1/4", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	190.02 31.29	69.59
23 21 13 23-0322	EA		4" x 1-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	193.27 32.27	71.75
23 21 13 23-0323	EA		4" x 2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	196.45 34.60	76.88
23 21 13 23-0324	EA		4" x 2-1/2", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	213.97 39.86	88.64
23 21 13 23-0325	EA		4" x 3", 150 LB, Black Malleable Iron Bushing..... <i>For Work In Restricted Working Space, Add</i>	231.05 44.98	99.98
<b>23 21 13 23-0326</b>			<b>Black Malleable Iron Square Head Plugs (23 21 13 23-0014)</b>		
23 21 13 23-0327	EA		3/8", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	17.09 3.72	8.24
23 21 13 23-0328	EA		1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	19.89 4.47	9.91
23 21 13 23-0329	EA		3/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	21.66 5.00	11.17
23 21 13 23-0330	EA		1", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	24.90 5.99	12.42
23 21 13 23-0331	EA		1-1/4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	28.99 6.32	14.11
23 21 13 23-0332	EA		1-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	34.80 7.13	15.78
23 21 13 23-0333	EA		2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	45.87 9.06	20.11
23 21 13 23-0334	EA		2-1/2", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	73.21 13.40	29.75
23 21 13 23-0335	EA		3", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	97.97 17.64	39.24
23 21 13 23-0336	EA		4", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	145.23 18.92	42.02
23 21 13 23-0337	EA		5", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	242.29 19.74	43.91
23 21 13 23-0338	EA		6", 150 LB, Black Malleable Iron Square Head Plug..... <i>For Work In Restricted Working Space, Add</i>	287.40 20.64	45.81

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-0339		<b>125 LB Black Cast Iron Screwed Flanges</b> <small>(23 21 13 23-0014)</small>		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340	EA		3/4", 125 LB, Black Cast Iron Flange.....	173.24	55.86
			<i>For Work In Restricted Working Space, Add</i>	25.13	
23 21 13 23-0341	EA		1", 125 LB, Black Cast Iron Flange.....	151.57	63.12
			<i>For Work In Restricted Working Space, Add</i>	28.40	
23 21 13 23-0342	EA		1-1/4", 125 LB, Black Cast Iron Flange.....	166.06	65.36
			<i>For Work In Restricted Working Space, Add</i>	29.39	
23 21 13 23-0343	EA		1-1/2", 125 LB, Black Cast Iron Flange.....	169.51	71.08
			<i>For Work In Restricted Working Space, Add</i>	31.98	
23 21 13 23-0344	EA		2", 125 LB, Black Cast Iron Flange.....	174.04	74.15
			<i>For Work In Restricted Working Space, Add</i>	33.38	
23 21 13 23-0345	EA		2-1/2", 125 LB, Black Cast Iron Flange.....	202.12	85.88
			<i>For Work In Restricted Working Space, Add</i>	38.60	
23 21 13 23-0346	EA		3", 125 LB, Black Cast Iron Flange.....	257.93	108.92
			<i>For Work In Restricted Working Space, Add</i>	49.00	
23 21 13 23-0347	EA		4", 125 LB, Black Cast Iron Flange.....	343.69	144.18
			<i>For Work In Restricted Working Space, Add</i>	64.86	
23 21 13 23-0348	EA		5", 125 LB, Black Cast Iron Flange.....	437.48	171.73
			<i>For Work In Restricted Working Space, Add</i>	77.21	
23 21 13 23-0349	EA		6", 125 LB, Black Cast Iron Flange.....	499.35	197.14
			<i>For Work In Restricted Working Space, Add</i>	88.67	
23 21 13	23-0350		<b>150 LB, Black Malleable Iron Flanges</b> <small>(23 21 13 23-0014)</small>		
			Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.		
23 21 13 23-0351	EA		1/2", 150 LB, Black Malleable Iron Flange.....	96.30	50.97
			<i>For Work In Restricted Working Space, Add</i>	22.95	
23 21 13 23-0352	EA		3/4", 150 LB, Black Malleable Iron Flange.....	105.11	55.86
			<i>For Work In Restricted Working Space, Add</i>	25.13	
23 21 13 23-0353	EA		1", 150 LB, Black Malleable Iron Flange.....	122.37	63.12
			<i>For Work In Restricted Working Space, Add</i>	28.40	
23 21 13 23-0354	EA		1-1/4", 150 LB, Black Malleable Iron Flange.....	127.60	65.36
			<i>For Work In Restricted Working Space, Add</i>	29.39	
23 21 13 23-0355	EA		1-1/2", 150 LB, Black Malleable Iron Flange.....	138.91	71.08
			<i>For Work In Restricted Working Space, Add</i>	31.98	
23 21 13 23-0356	EA		2", 150 LB, Black Malleable Iron Flange.....	153.40	74.15
			<i>For Work In Restricted Working Space, Add</i>	33.38	
23 21 13 23-0357	EA		2-1/2", 150 LB, Black Malleable Iron Flange.....	194.77	85.88
			<i>For Work In Restricted Working Space, Add</i>	38.60	
23 21 13 23-0358	EA		3", 150 LB, Black Malleable Iron Flange.....	246.82	108.92
			<i>For Work In Restricted Working Space, Add</i>	48.99	
23 21 13 23-0359	EA		4", 150 LB, Black Malleable Iron Flange.....	358.02	144.18
			<i>For Work In Restricted Working Space, Add</i>	64.84	
23 21 13	23-0360		<b>Cut And Thread Existing In-Place Black Steel Pipe</b> <small>(23 21 13 23-0014)</small>		
			Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361	EA		1/2", Cut And Thread Existing In Place Black Steel Pipe.....	45.49	
			<i>For Work In Restricted Working Space, Add</i>	13.65	
23 21 13 23-0362	EA		3/4", Cut And Thread Existing In Place Black Steel Pipe.....	50.04	
			<i>For Work In Restricted Working Space, Add</i>	15.01	
23 21 13 23-0363	EA		1", Cut And Thread Existing In Place Black Steel Pipe.....	54.59	
			<i>For Work In Restricted Working Space, Add</i>	16.38	
23 21 13 23-0364	EA		1-1/4", Cut And Thread Existing In Place Black Steel Pipe.....	59.13	
			<i>For Work In Restricted Working Space, Add</i>	17.74	
23 21 13 23-0365	EA		1-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	62.17	
			<i>For Work In Restricted Working Space, Add</i>	18.65	
23 21 13 23-0366	EA		2", Cut And Thread Existing In Place Black Steel Pipe.....	65.20	
			<i>For Work In Restricted Working Space, Add</i>	19.56	
23 21 13 23-0367	EA		2-1/2", Cut And Thread Existing In Place Black Steel Pipe.....	68.23	
			<i>For Work In Restricted Working Space, Add</i>	20.47	
23 21 13 23-0368	EA		3", Cut And Thread Existing In Place Black Steel Pipe.....	71.27	
			<i>For Work In Restricted Working Space, Add</i>	21.38	
23 21 13 23-0369	EA		4", Cut And Thread Existing In Place Black Steel Pipe.....	74.30	
			<i>For Work In Restricted Working Space, Add</i>	22.29	
23 21 13 23-0370	EA		6", Cut And Thread Existing In Place Black Steel Pipe.....	80.36	
			<i>For Work In Restricted Working Space, Add</i>	24.11	
23 21 13 23-0371	EA		8", Cut And Thread Existing In Place Black Steel Pipe.....	86.43	
			<i>For Work In Restricted Working Space, Add</i>	25.93	
23 21 13 23-0372	EA		10", Cut And Thread Existing In Place Black Steel Pipe.....	94.01	
			<i>For Work In Restricted Working Space, Add</i>	28.20	
23 21 13 23-0373	EA		12", Cut And Thread Existing In Place Black Steel Pipe.....	100.07	
			<i>For Work In Restricted Working Space, Add</i>	30.02	
23 21 13	23-0374		<b>Welded Black Steel Pipe</b> <small>(23 21 13 23)</small>		
23 21 13	23-0375		<b>Welded Plain End Black Steel Pipe Assemblies</b> <small>(23 21 13 23-0374)</small>		
			Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
23 21 13 23-0376	LF		3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly.....	36.14	10.54
			Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
			<i>For Work In Restricted Working Space, Add</i>	7.70	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0377	LF		1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	41.04 8.63	11.25
23 21 13 23-0378	LF		1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	50.54 9.90	11.95
23 21 13 23-0379	LF		1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	55.79 10.35	11.95
23 21 13 23-0380	LF		2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	64.31 11.98	11.95
23 21 13 23-0381	LF		2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly ..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	74.50 13.90	11.95
23 21 13 23-0382	LF		3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	91.76 14.66	11.66
23 21 13 23-0383	LF		4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	126.87 18.16	14.63
23 21 13 23-0384	LF		6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	180.42 20.91	21.82
23 21 13 23-0385	LF		8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	272.33 31.03	27.09
23 21 13 23-0386	LF		10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	367.02 37.00	33.87
23 21 13 23-0387	LF		12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	466.86 42.75	40.92
23 21 13 23-0388	LF		14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	483.54 47.69	53.39
23 21 13 23-0389	LF		16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	554.15 53.30	67.75
23 21 13 23-0390	LF		18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	715.12 58.48	83.87
23 21 13 23-0391	LF		20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	880.69 66.94	103.66
23 21 13 23-0392	LF		24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly..... Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	1,094.35 73.60	117.48
23 21 13 23-0393			<b>Welded Black Steel Pipe And Fittings</b> (23 21 13 23-0374) Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.		
23 21 13 23-0394			<b>Welded Plain End (A-53) Black Steel Piping</b> (23 21 13 23-0393)		
23 21 13 23-0395	LF		3/4" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	17.59 2.96 3.38	5.62
23 21 13 23-0396	LF		1" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	22.48 3.79 4.22	7.03
23 21 13 23-0397	LF		1-1/4" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	29.23 5.00 5.06	8.43
23 21 13 23-0398	LF		1-1/2" Schedule 40, Welded Plain End Black Steel Pipe..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	36.10 6.24 5.90	9.84
23 21 13 23-0399	LF		2" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	42.99 7.43 7.00	11.66
23 21 13 23-0400	LF		2-1/2" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	49.34 12.65 7.92	13.21
23 21 13 23-0401	LF		3" Schedule 40, Welded Plain End Black Steel Pipe ..... <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	64.79 17.71 8.52	14.19

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	93.47 26.57 10.54	17.56
23 21	13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.34 41.85 13.07	28.45
23 21	13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	205.69 61.79 -35.31 17.48	29.13
23 21	13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	278.86 85.32 -48.75 21.06	35.09
23 21	13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	360.78 111.43 -63.67 25.45	42.41
23 21	13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	341.06 103.72 -59.27 -105.96 26.83	44.71
23 21	13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	377.46 115.28 -65.87 -117.68 28.86	48.10
23 21	13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Schedule 30 Pipe, Deduct</i> <i>For Schedule 20 Pipe, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	493.88 154.65 -88.37 -157.25 31.22	52.03
23 21	13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	582.35 182.01 37.40	62.33
23 21	13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe <i>For Schedule 80 Pipe, Add</i> <i>For Work In Restricted Working Space, Add</i>	734.63 232.03 43.01	71.67
23 21	13 23-0412		<b>Welded Plain End (A-106) Seamless Carbon Steel Piping</b> <small>(23 21 13 23-0393)</small>		
23 21	13 23-0413	LF	1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	12.82 2.36 3.01	3.93
23 21	13 23-0414	LF	1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	13.11 2.57 2.97	4.36
23 21	13 23-0415	LF	3/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	16.66 3.38 3.69	5.62
23 21	13 23-0416	LF	1" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	20.48 4.22 4.49	7.03
23 21	13 23-0417	LF	1-1/4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	25.67 5.06 5.79	8.43
23 21	13 23-0418	LF	1-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	29.97 5.90 6.76	9.84
23 21	13 23-0419	LF	2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	35.61 7.00 8.04	11.66
23 21	13 23-0420	LF	2-1/2" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	46.05 7.92 14.96	13.21
23 21	13 23-0421	LF	3" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	52.43 8.52 17.72	14.19
23 21	13 23-0422	LF	4" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	65.13 10.54 22.07	17.56
23 21	13 23-0423	LF	6" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	99.44 13.07 37.83	28.52
23 21	13 23-0424	LF	8" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	142.37 17.48 55.84	29.13
23 21	13 23-0425	LF	10" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	190.13 21.06 77.69	35.09
23 21	13 23-0426	LF	12" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	231.68 25.45 94.96	42.41
23 21	13 23-0427	LF	14" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	270.03 26.83 114.55	44.71
23 21	13 23-0428	LF	16" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	310.53 28.86 134.45	48.10



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0429	LF		18" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	374.47 31.22 167.03	52.03
23 21 13 23-0430	LF		20" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	451.12 37.40 201.52	62.33
23 21 13 23-0431	LF		24" Schedule 40, Welded Plain End (A-106) Seamless, Carbon Steel Pipe..... <i>For Work In Restricted Working Space, Add</i> <i>For Schedule 80 (A-106) Carbon Steel Pipe, Add</i>	566.31 43.01 258.36	71.67
<b>23 21 13 23-0432 Welded Plain End Black Steel 90 Degree Elbows (23 21 13 23-0393)</b>					
23 21 13 23-0433	EA		3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	151.17 31.83 38.62	85.90
23 21 13 23-0434	EA		1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.91 33.15 40.64	90.38
23 21 13 23-0435	EA		1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.89 36.85 46.34	102.98
23 21 13 23-0436	EA		1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.07 39.22 49.99	111.11
23 21 13 23-0437	EA		2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	239.20 49.00 65.03	144.58
23 21 13 23-0438	EA		2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	300.87 61.81 81.29	180.75
23 21 13 23-0439	EA		3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	320.48 66.25 85.42	189.98
23 21 13 23-0440	EA		4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	551.27 113.71 147.64	328.24
23 21 13 23-0441	EA		6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	957.62 202.00 243.67	541.68
23 21 13 23-0442	EA		8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,370.77 295.63 330.28	734.27
23 21 13 23-0443	EA		10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,753.65 393.98 377.46	839.28
23 21 13 23-0444	EA		12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,364.67 536.54 493.88	1,098.08
23 21 13 23-0445	EA		14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,918.34 671.18 583.79	1,297.94
23 21 13 23-0446	EA		16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,603.29 842.40 681.69	1,515.69
23 21 13 23-0447	EA		18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,246.82 1,008.00 760.13	1,690.08
23 21 13 23-0448	EA		20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,358.90 1,309.35 852.33	1,894.94
23 21 13 23-0449	EA		24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,226.31 1,559.63 880.74	1,958.23
<b>23 21 13 23-0450 Welded Plain End Black Steel Reducing 90 Degree Elbows (23 21 13 23-0393)</b>					
23 21 13 23-0451	EA		4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	736.28 169.12 147.91	328.80
23 21 13 23-0452	EA		6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,278.76 299.32 240.88	535.50
23 21 13 23-0453	EA		6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,360.34 323.79 240.88	535.50
23 21 13 23-0454	EA		8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,104.64 515.80 330.28	734.27
23 21 13 23-0455	EA		8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,299.16 574.15 330.28	734.27
23 21 13 23-0456	EA		10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,862.57 726.66 377.46	839.28
23 21 13 23-0457	EA		10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,862.57 726.66 377.46	839.28

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0458	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,656.34 1,220.75 503.28	1,118.95
23 21	13 23-0459	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,656.34 1,220.75 503.28	1,118.95
23 21	13 23-0460	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,185.45 1,379.49 503.28	1,118.95
<b>23 21 13 23-0461 Welded Plain End Black Steel 45 Degree Elbows (23 21 13 23-0393)</b>					
23 21	13 23-0462	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	137.25 28.63 35.83	79.68
23 21	13 23-0463	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	141.47 29.46 37.10	82.49
23 21	13 23-0464	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	159.73 33.02 42.58	94.71
23 21	13 23-0465	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	170.97 35.21 45.95	102.16
23 21	13 23-0466	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	215.94 43.98 59.44	132.08
23 21	13 23-0467	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	269.45 54.72 74.62	165.95
23 21	13 23-0468	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	310.79 63.35 85.40	189.84
23 21	13 23-0469	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	535.18 108.89 147.60	328.10
23 21	13 23-0470	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	917.45 190.05 243.39	541.12
23 21	13 23-0471	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,297.94 273.79 330.28	734.27
23 21	13 23-0472	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,619.96 353.88 377.46	839.28
23 21	13 23-0473	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,167.74 477.79 492.95	1,096.05
23 21	13 23-0474	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,658.53 592.96 584.56	1,299.70
23 21	13 23-0475	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,241.77 734.19 680.99	1,514.06
23 21	13 23-0476	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,781.63 868.75 759.26	1,688.04
23 21	13 23-0477	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,679.47 1,105.53 852.33	1,894.94
23 21	13 23-0478	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,338.36 1,293.25 880.74	1,958.23
<b>23 21 13 23-0479 Welded Plain End Black Steel Tee (23 21 13 23-0393)</b>					
23 21	13 23-0480	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.62 59.98 67.45	149.93
23 21	13 23-0481	EA	1" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.54 59.96 67.43	149.93
23 21	13 23-0482	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.87 68.21 75.01	166.80
23 21	13 23-0483	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	345.87 74.25 84.31	187.44
23 21	13 23-0484	EA	2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	432.54 90.37 112.56	250.26
23 21	13 23-0485	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	492.81 103.58 126.47	281.18
23 21	13 23-0486	EA	3" Standard Weight, Welded Plain End Black Steel Tee <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	590.35 123.40 153.44	341.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-0487	EA 4" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	849.28 177.13 221.87	493.35
23 21	13	23-0488	EA 6" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,421.57 298.17 366.56	814.99
23 21	13	23-0489	EA 8" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,047.36 438.06 503.28	1,118.95
23 21	13	23-0490	EA 10" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,577.18 567.65 587.16	1,305.39
23 21	13	23-0491	EA 12" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,459.35 773.58 754.92	1,678.42
23 21	13	23-0492	EA 14" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,451.84 1,027.29 880.74	1,958.23
23 21	13	23-0493	EA 16" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,355.77 1,236.82 1,056.89	2,349.81
23 21	13	23-0494	EA 18" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,908.23 1,661.46 1,174.32	2,610.93
23 21	13	23-0495	EA 20" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,025.77 2,245.34 1,321.11	2,937.33
23 21	13	23-0496	EA 24" Standard Weight, Welded Plain End Black Steel Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,380.13 2,616.08 1,422.74	3,163.28
<b>23 21 13 23-0497 Welded Plain End Black Steel Reducing Tees (23 21 13 23-0393)</b>					
23 21	13	23-0498	EA 3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	271.59 58.61 65.34	145.29
23 21	13	23-0499	EA 1" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.54 59.96 67.43	149.93
23 21	13	23-0500	EA 1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	311.43 67.18 75.01	166.80
23 21	13	23-0501	EA 1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	342.43 73.22 84.31	187.44
23 21	13	23-0502	EA 2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	440.28 92.68 112.59	250.26
23 21	13	23-0503	EA 2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	492.96 103.61 126.51	281.31
23 21	13	23-0504	EA 3" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	590.71 123.51 153.44	341.46
23 21	13	23-0505	EA 4" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	849.79 177.28 221.87	493.35
23 21	13	23-0506	EA 6" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,422.44 298.44 366.56	814.99
23 21	13	23-0507	EA 8" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,049.03 438.56 503.28	1,118.95
23 21	13	23-0508	EA 10" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,580.01 568.50 587.16	1,305.39
23 21	13	23-0509	EA 12" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,463.63 774.87 754.92	1,678.42
23 21	13	23-0510	EA 14" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,458.73 1,029.36 880.74	1,958.23
23 21	13	23-0511	EA 16" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,364.11 1,239.32 1,056.89	2,349.81
23 21	13	23-0512	EA 18" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,921.87 1,665.55 1,174.32	2,610.93
23 21	13	23-0513	EA 20" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,158.25 2,285.09 1,321.11	2,937.33
23 21	13	23-0514	EA 24" Standard Weight, Welded Plain End Black Steel Reducing Tee ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	10,971.93 2,793.62 1,422.74	3,163.28

**23 21 13 23-0515 Welded Plain End Black Steel Eccentric Reducers (23 21 13 23-0393)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0516	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	176.17 38.47 41.10	91.38
23 21	13 23-0517	EA	1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	189.51 41.07 45.10	100.27
23 21	13 23-0518	EA	1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	186.00 40.38 44.05	97.94
23 21	13 23-0519	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	205.66 44.22 49.94	111.05
23 21	13 23-0520	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.83 42.30 47.00	104.49
23 21	13 23-0521	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	192.33 41.62 45.95	102.16
23 21	13 23-0522	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.54 45.89 59.64	132.59
23 21	13 23-0523	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	230.92 49.07 57.74	128.37
23 21	13 23-0524	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.09 47.15 54.80	121.82
23 21	13 23-0525	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	280.42 57.57 75.87	168.67
23 21	13 23-0526	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	259.17 53.93 68.07	151.33
23 21	13 23-0527	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	278.96 60.53 66.17	147.12
23 21	13 23-0528	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	314.00 64.39 85.16	189.28
23 21	13 23-0529	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	316.14 65.04 85.16	189.28
23 21	13 23-0530	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	320.65 66.39 85.16	189.28
23 21	13 23-0531	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	532.44 107.96 147.91	328.80
23 21	13 23-0532	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	534.57 108.60 147.91	328.80
23 21	13 23-0533	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	540.99 110.53 147.91	328.80
23 21	13 23-0534	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	884.11 180.92 240.88	535.50
23 21	13 23-0535	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	930.16 194.74 240.88	535.50
23 21	13 23-0536	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,325.36 269.31 366.56	814.99
23 21	13 23-0537	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,411.03 295.01 366.56	814.99
23 21	13 23-0538	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,540.67 314.66 421.55	937.24
23 21	13 23-0539	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,643.68 345.56 421.55	937.24
23 21	13 23-0540	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,779.21 386.22 -119.70 421.55	937.24
23 21	13 23-0541	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,885.88 389.95 502.32	1,116.78
23 21	13 23-0542	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,006.22 426.05 502.32	1,116.78
23 21	13 23-0543	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,209.62 487.07 -171.27 502.32	1,116.78
23 21	13 23-0544	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	1,882.47 388.93 -66.58 502.32	1,116.78



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0545	EA		14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,328.40 493.02 587.16	1,305.39
23 21 13 23-0546	EA		14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,391.77 512.03 587.16	1,305.39
23 21 13 23-0547	EA		14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,023.55 701.56 587.16	1,305.39
23 21 13 23-0548	EA		16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,769.58 599.68 660.56	1,468.67
23 21 13 23-0549	EA		16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,956.14 655.65 660.56	1,468.67
23 21 13 23-0550	EA		16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,028.76 677.43 -264.61 660.56	1,468.67
23 21 13 23-0551	EA		16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,846.89 922.87 660.56	1,468.67
23 21 13 23-0552	EA		16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,253.99 1,045.00 660.56	1,468.67
23 21 13 23-0553	EA		18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,539.11 797.51 754.92	1,678.42
23 21 13 23-0554	EA		18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	2,699.79 545.71 -58.68 754.92	1,678.42
23 21 13 23-0555	EA		18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	3,637.14 826.92 -358.63 754.92	1,678.42
23 21 13 23-0556	EA		18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,781.67 870.28 754.92	1,678.42
23 21 13 23-0557	EA		18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,003.63 1,236.87 754.92	1,678.42
23 21 13 23-0558	EA		20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,125.60 939.36 -411.04 852.33	1,894.94
23 21 13 23-0559	EA		20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,122.28 938.37 -409.98 852.33	1,894.94
23 21 13 23-0560	EA		20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,738.83 1,423.33 -927.27 852.33	1,894.94
23 21 13 23-0561	EA		20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,387.23 1,617.85 852.33	1,894.94
23 21 13 23-0562	EA		20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,359.88 1,909.65 852.33	1,894.94
23 21 13 23-0563	EA		24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,619.99 1,077.74 -538.94 880.74	1,958.23
23 21 13 23-0564	EA		24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	4,815.96 1,136.53 -601.65 880.74	1,958.23
23 21 13 23-0565	EA		24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Concentric Reducers, Deduct</i> <i>For Work In Restricted Working Space, Add</i>	5,726.48 1,409.69 -893.02 880.74	1,958.23
23 21 13 23-0566	EA		24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	7,420.87 1,918.00 880.74	1,958.23
23 21 13 23-0567	EA		24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,691.36 2,299.15 880.74	1,958.23
<b>23 21 13 23-0568</b>	<b>Welded Plain End Black Steel Concentric Reducers (23 21 13 23-0393)</b>				
23 21 13 23-0569	EA		1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	165.92 35.39 41.10	91.38
23 21 13 23-0570	EA		1-1/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	179.26 37.99 45.10	100.27
23 21 13 23-0571	EA		1-1/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer ..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	175.75 37.31 44.05	97.94



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0572	EA	1-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	195.41 41.14 49.94	111.05
23 21	13 23-0573	EA	1-1/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	185.58 39.23 47.00	104.49
23 21	13 23-0574	EA	1-1/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.08 38.54 45.95	102.16
23 21	13 23-0575	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	217.31 44.32 59.64	132.59
23 21	13 23-0576	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	210.99 43.09 57.74	128.37
23 21	13 23-0577	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	208.28 43.31 54.80	121.82
23 21	13 23-0578	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	276.63 56.44 75.87	168.67
23 21	13 23-0579	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	257.03 53.29 68.07	151.33
23 21	13 23-0580	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	260.92 55.12 66.17	147.12
23 21	13 23-0581	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	303.09 61.12 85.16	189.28
23 21	13 23-0582	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	304.51 61.55 85.16	189.28
23 21	13 23-0583	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	307.60 62.47 85.16	189.28
23 21	13 23-0584	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	517.73 103.55 147.91	328.80
23 21	13 23-0585	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	523.18 105.18 147.91	328.80
23 21	13 23-0586	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	523.18 105.18 147.91	328.80
23 21	13 23-0587	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	854.69 172.10 240.88	535.50
23 21	13 23-0588	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	865.60 175.37 240.88	535.50
23 21	13 23-0589	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,289.75 258.63 366.56	814.99
23 21	13 23-0590	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,309.22 264.47 366.56	814.99
23 21	13 23-0591	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,536.88 313.52 421.55	937.24
23 21	13 23-0592	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,528.81 311.10 421.55	937.24
23 21	13 23-0593	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,630.39 341.58 421.55	937.24
23 21	13 23-0594	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,837.23 375.36 502.32	1,116.78
23 21	13 23-0595	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,861.62 382.67 502.32	1,116.78
23 21	13 23-0596	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,870.45 385.32 502.32	1,116.78
23 21	13 23-0597	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,129.40 463.01 502.32	1,116.78
23 21	13 23-0598	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,202.13 455.13 587.16	1,305.39
23 21	13 23-0599	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,292.55 482.26 587.16	1,305.39
23 21	13 23-0600	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,371.11 505.83 587.16	1,305.39
23 21	13 23-0601	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer..... <i>For Schedule 80 Or Extra Heavy Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,674.73 596.91 587.16	1,305.39

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0602	EA		16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,630.50 557.95 660.56	1,468.67
23 21 13 23-0603	EA		16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,630.50 557.95 660.56	1,468.67
23 21 13 23-0604	EA		16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,675.60 571.48 660.56	1,468.67
23 21 13 23-0605	EA		16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,825.36 616.41 660.56	1,468.67
23 21 13 23-0606	EA		16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,445.59 802.48 660.56	1,468.67
23 21 13 23-0607	EA		18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	2,984.68 631.18 754.92	1,678.42
23 21 13 23-0608	EA		18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,100.27 665.86 754.92	1,678.42
23 21 13 23-0609	EA		18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,148.68 680.38 754.92	1,678.42
23 21 13 23-0610	EA		18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,280.40 719.90 754.92	1,678.42
23 21 13 23-0611	EA		18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,794.13 1,174.02 754.92	1,678.42
23 21 13 23-0612	EA		20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,644.73 795.10 852.33	1,894.94
23 21 13 23-0613	EA		20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,644.73 795.10 852.33	1,894.94
23 21 13 23-0614	EA		20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,677.73 805.00 852.33	1,894.94
23 21 13 23-0615	EA		20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,873.06 863.60 852.33	1,894.94
23 21 13 23-0616	EA		20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,212.93 965.56 852.33	1,894.94
23 21 13 23-0617	EA		24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,844.83 845.19 880.74	1,958.23
23 21 13 23-0618	EA		24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,865.47 851.38 880.74	1,958.23
23 21 13 23-0619	EA		24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	3,905.82 863.49 880.74	1,958.23
23 21 13 23-0620	EA		24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	4,840.00 1,143.74 880.74	1,958.23
23 21 13 23-0621	EA		24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer <i>For Schedule 80 Or Extra Heavy Fittings, Add For Work In Restricted Working Space, Add</i>	5,024.42 1,199.07 880.74	1,958.23
<b>23 21 13 23-0622</b>	<b>Welded Plain End Black Steel Caps (23 21 13 23-0393)</b>				
23 21 13 23-0623	EA		1" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	81.65 15.71 21.08	46.94
23 21 13 23-0624	EA		1-1/4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	89.39 17.16 23.18	51.57
23 21 13 23-0625	EA		1-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	92.91 17.86 24.03	53.40
23 21 13 23-0626	EA		2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	116.06 21.99 30.78	68.43
23 21 13 23-0627	EA		2-1/2" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	137.77 25.87 37.10	82.49
23 21 13 23-0628	EA		3" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	161.18 30.52 42.80	95.13
23 21 13 23-0629	EA		4" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	271.17 50.54 73.96	164.40
23 21 13 23-0630	EA		6" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	454.10 85.32 122.19	271.62
23 21 13 23-0631	EA		8" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add For Work In Restricted Working Space, Add</i>	641.10 120.97 171.26	380.79

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0632	EA	10" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	843.86 163.08 216.18	480.70
23 21	13 23-0633	EA	12" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	973.42 189.61 245.79	546.46
23 21	13 23-0634	EA	14" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,268.31 258.17 293.58	652.70
23 21	13 23-0635	EA	16" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,472.96 299.83 340.93	757.98
23 21	13 23-0636	EA	18" Standard Weight, Welded Plain End Black Steel Cap <i>For Schedule 80 Fittings, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,645.24 336.30 377.46	839.28
<b>23 21 13 23-0637 150 LB, Welded Plain End Black Steel Neck Flanges (23 21 13 23-0393)</b>					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.					
23 21	13 23-0638	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	197.44 43.70 47.65	105.94
23 21	13 23-0639	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	236.81 47.83 59.46	132.22
23 21	13 23-0640	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	265.28 50.85 67.99	151.19
23 21	13 23-0641	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	348.21 65.86 89.69	199.39
23 21	13 23-0642	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	529.04 100.63 135.98	302.39
23 21	13 23-0643	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	594.71 133.04 142.82	317.61
23 21	13 23-0644	EA	10", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	770.45 184.03 179.13	398.23
23 21	13 23-0645	EA	12", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	930.24 248.06 203.25	451.89
23 21	13 23-0646	EA	14", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,203.00 354.62 245.79	546.46
23 21	13 23-0647	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,551.63 519.61 285.65	635.08
23 21	13 23-0648	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,899.81 694.66 320.27	712.05
23 21	13 23-0649	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,409.06 880.12 406.50	903.78
23 21	13 23-0650	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,719.58 1,030.31 440.37	979.11
<b>23 21 13 23-0651 150 LB, Welded Black Steel Slip-On Flanges (23 21 13 23-0393)</b>					
Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.					
23 21	13 23-0652	EA	2", 150 LB, Welded Black Steel Slip-On Flanges <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	153.03 37.19 37.94	105.94
23 21	13 23-0653	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	188.68 46.94 46.37	132.22
23 21	13 23-0654	EA	3", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	222.83 55.32 54.80	151.19
23 21	13 23-0655	EA	4", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	293.66 74.39 71.66	199.39
23 21	13 23-0656	EA	6", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	435.61 112.77 105.39	302.39
23 21	13 23-0657	EA	8", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	561.88 160.98 130.08	317.61
23 21	13 23-0658	EA	10", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	763.45 256.22 162.60	398.23
23 21	13 23-0659	EA	12", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	999.80 382.75 195.12	451.89
23 21	13 23-0660	EA	14", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,269.27 539.10 227.64	546.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0661	EA	16", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,527.41 706.80 252.03	635.08
23 21	13 23-0662	EA	18", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,692.04 790.33 276.42	712.05
23 21	13 23-0663	EA	20", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,878.65 893.65 300.81	903.78
23 21	13 23-0664	EA	24", 150 LB, Welded Black Steel Slip-On Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,149.51 1,008.15 349.59	979.11
<b>23 21</b>	<b>13 23-0665</b>		<b>150 LB, Forged Steel Blind Flanges (23 21 13 23-0393)</b>		
23 21	13 23-0666	EA	2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	97.35 25.36 63.61 22.67	37.78
23 21	13 23-0667	EA	2-1/2", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	126.00 37.78 98.37 27.20	45.34
23 21	13 23-0668	EA	3", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	157.45 41.93 105.83 36.27	60.45
23 21	13 23-0669	EA	4", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	201.50 56.16 143.54 45.34	75.57
23 21	13 23-0670	EA	6", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	272.80 81.69 212.64 58.94	98.24
23 21	13 23-0671	EA	8", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	347.76 120.65 324.55 68.01	113.35
23 21	13 23-0672	EA	10", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	508.44 217.68 608.17 81.61	136.02
23 21	13 23-0673	EA	12", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For 600 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	651.98 301.00 850.65 95.21	158.69
23 21	13 23-0674	EA	14", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,051.63 589.21 108.82	181.36
23 21	13 23-0675	EA	16", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,134.22 623.77 122.42	204.03
23 21	13 23-0676	EA	18", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,287.44 683.33 149.62	249.37
23 21	13 23-0677	EA	20", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,623.95 921.02 163.22	272.04
23 21	13 23-0678	EA	24", 150 LB, Forged Steel Blind Flange <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,180.78 1,303.47 190.43	317.38
<b>23 21</b>	<b>13 23-0679</b>		<b>3,000 LB, Forge Steel Thread-O-Lets (23 21 13 23-0393)</b>		
23 21	13 23-0680	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	95.44 26.56	
23 21	13 23-0681	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	100.85 27.82	
23 21	13 23-0682	EA	1", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	107.46 29.51	
23 21	13 23-0683	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	118.28 31.61	
23 21	13 23-0684	EA	1-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	132.99 35.83	
23 21	13 23-0685	EA	2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	172.26 46.84	
23 21	13 23-0686	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	259.29 60.22	
23 21	13 23-0687	EA	3", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	358.48 84.31	
23 21	13 23-0688	EA	4", 3,000 LB, Forge Steel Thread-O-Let <i>For Work In Restricted Working Space, Add</i>	472.33 105.39	
<b>23 21</b>	<b>13 23-0689</b>		<b>3,000 LB, Forge Steel Weld-O-Lets (23 21 13 23-0393)</b>		
23 21	13 23-0690	EA	1/2", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	119.43 30.65	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0691	EA	3/4", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	127.36 32.12	
23 21	13 23-0692	EA	1", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	135.15 33.72	
23 21	13 23-0693	EA	1-1/4", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	157.17 37.48	
23 21	13 23-0694	EA	1-1/2", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	174.38 42.16	
23 21	13 23-0695	EA	2", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	232.99 56.19	
23 21	13 23-0696	EA	2-1/2", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	371.15 67.45	
23 21	13 23-0697	EA	3", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	488.65 88.52	
23 21	13 23-0698	EA	4", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	677.28 112.43	
23 21	13 23-0699	EA	6", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	963.34 168.62	
23 21	13 23-0700	EA	8", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	1,508.66 224.81	
23 21	13 23-0701	EA	10", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	1,944.27 259.42	
23 21	13 23-0702	EA	12", 3,000 LB, Forge Steel Weld-O-Let <i>For Work In Restricted Working Space, Add</i>	3,072.45 306.59	
<b>23 21 13 23-0703 3,000 LB, Forge Steel Sock-O-Lets (23 21 13 23-0393)</b>					
23 21	13 23-0704	EA	1/2", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	138.58 36.63	
23 21	13 23-0705	EA	3/4", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	147.35 38.40	
23 21	13 23-0706	EA	1", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	157.42 40.72	
23 21	13 23-0707	EA	1-1/4", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	176.19 43.63	
23 21	13 23-0708	EA	1-1/2", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	197.10 49.45	
23 21	13 23-0709	EA	2", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	255.72 64.62	
23 21	13 23-0710	EA	2-1/2", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	416.46 83.09	
23 21	13 23-0711	EA	3", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	572.38 116.35	
23 21	13 23-0712	EA	4", 3,000 LB, Forge Steel Sock-O-Let <i>For Work In Restricted Working Space, Add</i>	773.21 145.43	
<b>23 21 13 23-0713 Class 150 Flange, Steel Bolt And Gasket Sets (23 21 13 23-0393)</b>					
Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.					
23 21	13 23-0714	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	16.04	
			<i>For Zinc Plated, Add</i>	4.49	
			<i>For Hot Dip Galvanized, Add</i>	6.42	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	11.23	
23 21	13 23-0715	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	20.36	
			<i>For Zinc Plated, Add</i>	5.70	
			<i>For Hot Dip Galvanized, Add</i>	8.14	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	14.25	
23 21	13 23-0716	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	20.59	
			<i>For Zinc Plated, Add</i>	5.77	
			<i>For Hot Dip Galvanized, Add</i>	8.24	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	14.41	
23 21	13 23-0717	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	20.69	
			<i>For Zinc Plated, Add</i>	5.79	
			<i>For Hot Dip Galvanized, Add</i>	8.28	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	14.48	
23 21	13 23-0718	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	47.10	
			<i>For Zinc Plated, Add</i>	13.19	
			<i>For Hot Dip Galvanized, Add</i>	18.84	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	32.97	
23 21	13 23-0719	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	65.95	
			<i>For Zinc Plated, Add</i>	18.47	
			<i>For Hot Dip Galvanized, Add</i>	26.38	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	46.17	
23 21	13 23-0720	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	72.75	
			<i>For Zinc Plated, Add</i>	20.37	
			<i>For Hot Dip Galvanized, Add</i>	29.10	
			<i>For Advanced Fluoropolymer (Blue Coating), Add</i>	50.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-0721	EA 8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	80.11	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	22.43	
			For Hot Dip Galvanized, Add	32.04	
			For Advanced Fluoropolymer (Blue Coating), Add	56.08	
23 21	13	23-0722	EA 10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	175.74	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	49.21	
			For Hot Dip Galvanized, Add	70.30	
			For Advanced Fluoropolymer (Blue Coating), Add	123.02	
23 21	13	23-0723	EA 12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	180.03	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	50.41	
			For Hot Dip Galvanized, Add	72.01	
			For Advanced Fluoropolymer (Blue Coating), Add	126.02	
23 21	13	23-0724	EA 14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	202.02	
			Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	56.57	
			For Hot Dip Galvanized, Add	80.81	
			For Advanced Fluoropolymer (Blue Coating), Add	141.41	
23 21	13	23-0725	EA 16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	333.60	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	93.41	
			For Hot Dip Galvanized, Add	133.44	
			For Advanced Fluoropolymer (Blue Coating), Add	233.52	
23 21	13	23-0726	EA 18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	479.19	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	134.17	
			For Hot Dip Galvanized, Add	191.68	
			For Advanced Fluoropolymer (Blue Coating), Add	335.43	
23 21	13	23-0727	EA 20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	605.60	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	169.57	
			For Hot Dip Galvanized, Add	242.24	
			For Advanced Fluoropolymer (Blue Coating), Add	423.92	
23 21	13	23-0728	EA 24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	861.40	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	241.19	
			For Hot Dip Galvanized, Add	344.56	
			For Advanced Fluoropolymer (Blue Coating), Add	602.98	
23 21	13	23-0729	EA 30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,359.20	
			Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	380.58	
			For Hot Dip Galvanized, Add	543.68	
			For Advanced Fluoropolymer (Blue Coating), Add	951.44	
23 21	13	23-0730	EA 36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set.....	1,912.71	
			Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	535.56	
			For Hot Dip Galvanized, Add	765.08	
			For Advanced Fluoropolymer (Blue Coating), Add	1,338.90	
23 21	13	23-0731	<b>Class 300 Flange, Steel Bolt And Gasket Sets</b> <small>(23 21 13 23-0393)</small>		
			Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.		
23 21	13	23-0732	EA 3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	25.82	
			Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	7.23	
			For Hot Dip Galvanized, Add	10.33	
			For Advanced Fluoropolymer (Blue Coating), Add	18.07	
23 21	13	23-0733	EA 2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	47.23	
			Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	13.22	
			For Hot Dip Galvanized, Add	18.89	
			For Advanced Fluoropolymer (Blue Coating), Add	33.06	
23 21	13	23-0734	EA 2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	73.42	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	20.56	
			For Hot Dip Galvanized, Add	29.37	
			For Advanced Fluoropolymer (Blue Coating), Add	51.39	
23 21	13	23-0735	EA 3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	79.77	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	22.34	
			For Hot Dip Galvanized, Add	31.91	
			For Advanced Fluoropolymer (Blue Coating), Add	55.84	
23 21	13	23-0736	EA 4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	84.22	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	23.58	
			For Hot Dip Galvanized, Add	33.69	
			For Advanced Fluoropolymer (Blue Coating), Add	58.95	
23 21	13	23-0737	EA 5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	93.04	
			Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	26.05	
			For Hot Dip Galvanized, Add	37.22	
			For Advanced Fluoropolymer (Blue Coating), Add	65.13	
23 21	13	23-0738	EA 6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	131.39	
			Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	36.79	
			For Hot Dip Galvanized, Add	52.56	
			For Advanced Fluoropolymer (Blue Coating), Add	91.97	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0739	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	203.05	
			Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	56.85	
			For Hot Dip Galvanized, Add	81.22	
			For Advanced Fluoropolymer (Blue Coating), Add	142.14	
23 21	13 23-0740	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	366.86	
			Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
			For Zinc Plated, Add	102.72	
			For Hot Dip Galvanized, Add	146.74	
			For Advanced Fluoropolymer (Blue Coating), Add	256.80	
23 21	13 23-0741	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	526.79	
			Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	147.50	
			For Hot Dip Galvanized, Add	210.72	
			For Advanced Fluoropolymer (Blue Coating), Add	368.75	
23 21	13 23-0742	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	719.29	
			Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
			For Zinc Plated, Add	201.40	
			For Hot Dip Galvanized, Add	287.72	
			For Advanced Fluoropolymer (Blue Coating), Add	503.50	
23 21	13 23-0743	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	989.84	
			Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	277.16	
			For Hot Dip Galvanized, Add	395.94	
			For Advanced Fluoropolymer (Blue Coating), Add	692.89	
23 21	13 23-0744	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,273.06	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	356.46	
			For Hot Dip Galvanized, Add	509.22	
			For Advanced Fluoropolymer (Blue Coating), Add	891.14	
23 21	13 23-0745	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,352.81	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	378.79	
			For Hot Dip Galvanized, Add	541.12	
			For Advanced Fluoropolymer (Blue Coating), Add	946.97	
23 21	13 23-0746	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	1,718.72	
			Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	481.24	
			For Hot Dip Galvanized, Add	687.49	
			For Advanced Fluoropolymer (Blue Coating), Add	1,203.10	
23 21	13 23-0747	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	2,707.37	
			Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
			For Zinc Plated, Add	758.06	
			For Hot Dip Galvanized, Add	1,082.95	
			For Advanced Fluoropolymer (Blue Coating), Add	1,895.16	
23 21	13 23-0748	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set.....	4,005.58	
			Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
			For Zinc Plated, Add	1,121.56	
			For Hot Dip Galvanized, Add	1,602.23	
			For Advanced Fluoropolymer (Blue Coating), Add	2,803.91	
23 21	13 23-0749		<b>150 LB, Rubber Flange Gasket Replacement</b> (23 21 13 23-0993)		
			Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.		
23 21	13 23-0750	EA	1/2", 150 LB, Rubber Flange Gasket Replacement .....	42.46	
			For 300 LB Rating Gasket Set, Add	0.25	
			For 150 LB Rating Teflon Gasket Set, Add	5.41	
			For 300 LB Rating Teflon Gasket Set, Add	6.23	
			For Work In Restricted Working Space, Add	12.53	
23 21	13 23-0751	EA	3/4", 150 LB, Rubber Flange Gasket Replacement .....	45.48	
			For 300 LB Rating Gasket Set, Add	0.33	
			For 150 LB Rating Teflon Gasket Set, Add	7.27	
			For 300 LB Rating Teflon Gasket Set, Add	8.37	
			For Work In Restricted Working Space, Add	13.36	
23 21	13 23-0752	EA	1", 150 LB, Rubber Flange Gasket Replacement .....	50.36	
			For 300 LB Rating Gasket Set, Add	0.57	
			For 150 LB Rating Teflon Gasket Set, Add	12.68	
			For 300 LB Rating Teflon Gasket Set, Add	14.60	
			For Work In Restricted Working Space, Add	14.62	
23 21	13 23-0753	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement .....	54.78	
			For 300 LB Rating Gasket Set, Add	0.66	
			For 150 LB Rating Teflon Gasket Set, Add	14.53	
			For 300 LB Rating Teflon Gasket Set, Add	16.73	
			For Work In Restricted Working Space, Add	15.87	
23 21	13 23-0754	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement .....	60.82	
			For 300 LB Rating Gasket Set, Add	0.82	
			For 150 LB Rating Teflon Gasket Set, Add	18.17	
			For 300 LB Rating Teflon Gasket Set, Add	20.92	
			For Work In Restricted Working Space, Add	17.54	
23 21	13 23-0755	EA	2", 150 LB, Rubber Flange Gasket Replacement .....	67.32	
			For 300 LB Rating Gasket Set, Add	1.15	
			For 150 LB Rating Teflon Gasket Set, Add	25.35	
			For 300 LB Rating Teflon Gasket Set, Add	29.19	
			For Work In Restricted Working Space, Add	19.21	
23 21	13 23-0756	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement .....	79.63	
			For 300 LB Rating Gasket Set, Add	1.56	
			For 150 LB Rating Teflon Gasket Set, Add	34.48	
			For 300 LB Rating Teflon Gasket Set, Add	39.69	
			For Work In Restricted Working Space, Add	22.55	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21	13	23-0757	EA 3", 150 LB, Rubber Flange Gasket Replacement .....	84.51	
			For 300 LB Rating Gasket Set, Add	1.81	
			For 150 LB Rating Teflon Gasket Set, Add	39.89	
			For 300 LB Rating Teflon Gasket Set, Add	45.92	
			For Work In Restricted Working Space, Add	23.81	
23 21	13	23-0758	EA 4", 150 LB, Rubber Flange Gasket Replacement .....	112.84	
			For 300 LB Rating Gasket Set, Add	2.95	
			For 150 LB Rating Teflon Gasket Set, Add	65.24	
			For 300 LB Rating Teflon Gasket Set, Add	75.12	
			For Work In Restricted Working Space, Add	31.32	
23 21	13	23-0759	EA 5", 150 LB, Rubber Flange Gasket Replacement .....	130.49	
			For 300 LB Rating Gasket Set, Add	3.28	
			For 150 LB Rating Teflon Gasket Set, Add	72.51	
			For 300 LB Rating Teflon Gasket Set, Add	83.48	
			For Work In Restricted Working Space, Add	36.33	
23 21	13	23-0760	EA 6", 150 LB, Rubber Flange Gasket Replacement .....	150.01	
			For 300 LB Rating Gasket Set, Add	4.27	
			For 150 LB Rating Teflon Gasket Set, Add	94.23	
			For 300 LB Rating Teflon Gasket Set, Add	108.49	
			For Work In Restricted Working Space, Add	41.35	
23 21	13	23-0761	EA 8", 150 LB, Rubber Flange Gasket Replacement .....	184.87	
			For 300 LB Rating Gasket Set, Add	6.24	
			For 150 LB Rating Teflon Gasket Set, Add	137.75	
			For 300 LB Rating Teflon Gasket Set, Add	158.60	
			For Work In Restricted Working Space, Add	50.12	
23 21	13	23-0762	EA 10", 150 LB, Rubber Flange Gasket Replacement .....	203.51	
			For 300 LB Rating Gasket Set, Add	8.86	
			For 150 LB Rating Teflon Gasket Set, Add	195.72	
			For 300 LB Rating Teflon Gasket Set, Add	225.35	
			For Work In Restricted Working Space, Add	53.46	
23 21	13	23-0763	EA 12", 150 LB, Rubber Flange Gasket Replacement .....	234.21	
			For 300 LB Rating Gasket Set, Add	11.33	
			For 150 LB Rating Teflon Gasket Set, Add	250.14	
			For 300 LB Rating Teflon Gasket Set, Add	288.00	
			For Work In Restricted Working Space, Add	60.56	
23 21	13	23-0764	EA 14", 150 LB, Rubber Flange Gasket Replacement .....	247.51	
			For 300 LB Rating Gasket Set, Add	13.54	
			For 150 LB Rating Teflon Gasket Set, Add	299.07	
			For 300 LB Rating Teflon Gasket Set, Add	344.34	
			For Work In Restricted Working Space, Add	62.65	
23 21	13	23-0765	EA 16", 150 LB, Rubber Flange Gasket Replacement .....	321.56	
			For 300 LB Rating Gasket Set, Add	15.10	
			For 150 LB Rating Teflon Gasket Set, Add	333.47	
			For 300 LB Rating Teflon Gasket Set, Add	383.95	
			For Work In Restricted Working Space, Add	83.53	
23 21	13	23-0766	EA 18", 150 LB, Rubber Flange Gasket Replacement .....	349.88	
			For 300 LB Rating Gasket Set, Add	15.76	
			For 150 LB Rating Teflon Gasket Set, Add	348.00	
			For 300 LB Rating Teflon Gasket Set, Add	400.68	
			For Work In Restricted Working Space, Add	91.46	
23 21	13	23-0767	EA 20", 150 LB, Rubber Flange Gasket Replacement .....	419.96	
			For 300 LB Rating Gasket Set, Add	16.91	
			For 150 LB Rating Teflon Gasket Set, Add	373.36	
			For 300 LB Rating Teflon Gasket Set, Add	429.87	
			For Work In Restricted Working Space, Add	111.50	

**23 21 13 23-0768 Cut And Prepare For Welding Existing In-Place Black Steel Pipe** (23 21 13 23-0393)

Note: For use when connecting pipe to an existing in-place system.

23 21	13	23-0769	EA 1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	30.33	
			For Work In Restricted Working Space, Add	9.10	
23 21	13	23-0770	EA 3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	32.76	
			For Work In Restricted Working Space, Add	9.83	
23 21	13	23-0771	EA 1", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	36.85	
			For Work In Restricted Working Space, Add	11.06	
23 21	13	23-0772	EA 1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	38.66	
			For Work In Restricted Working Space, Add	11.60	
23 21	13	23-0773	EA 1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	40.94	
			For Work In Restricted Working Space, Add	12.28	
23 21	13	23-0774	EA 2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	43.96	
			For Work In Restricted Working Space, Add	13.19	
23 21	13	23-0775	EA 2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	47.01	
			For Work In Restricted Working Space, Add	14.10	
23 21	13	23-0776	EA 3", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	51.55	
			For Work In Restricted Working Space, Add	15.47	
23 21	13	23-0777	EA 4", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	56.10	
			For Work In Restricted Working Space, Add	16.83	
23 21	13	23-0778	EA 6", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	60.65	
			For Work In Restricted Working Space, Add	18.20	
23 21	13	23-0779	EA 8", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	65.20	
			For Work In Restricted Working Space, Add	19.56	
23 21	13	23-0780	EA 10", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	71.27	
			For Work In Restricted Working Space, Add	21.38	
23 21	13	23-0781	EA 12", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	77.34	
			For Work In Restricted Working Space, Add	23.20	
23 21	13	23-0782	EA 14", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	83.39	
			For Work In Restricted Working Space, Add	25.02	
23 21	13	23-0783	EA 16", Cut And Prepare For Welding Existing In Place Black Steel Pipe .....	89.46	
			For Work In Restricted Working Space, Add	26.84	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0784	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	94.02 28.21	
23 21	13 23-0785	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	98.56 29.57	
23 21	13 23-0786	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe ..... <i>For Work In Restricted Working Space, Add</i>	104.63 31.39	
<b>23 21 13 23-0787 Welded Plain End Electric Resistance Black Steel Pipe (23 21 13 23-0393)</b>					
Note: ASTM A-135.					
23 21	13 23-0788	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	38.65 7.59	15.45
23 21	13 23-0789	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	45.80 7.59	16.86
23 21	13 23-0790	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	50.08 7.44	16.58
23 21	13 23-0791	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	62.12 9.48	21.07
23 21	13 23-0792	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	105.90 14.02	31.19
23 21	13 23-0793	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	139.04 16.67	36.99
23 21	13 23-0794	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	193.15 20.73	46.07
23 21	13 23-0795	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	234.99 24.98	55.55
23 21	13 23-0796	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings..... <i>For Work In Restricted Working Space, Add</i>	298.47 32.43	72.08
<b>23 21 13 23-0797 Flanged Steel Fittings (23 21 13 23)</b>					
See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0637 for welded neck flange ends.					
<b>23 21 13 23-0798 Flanged Steel Fittings, Standard Weight (23 21 13 23-0797)</b>					
Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0713 for Class 150 steel bolt and gasket set.					
<b>23 21 13 23-0799 Flanged Steel, 90 Degree Elbows (23 21 13 23-0798)</b>					
23 21	13 23-0800	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	357.89 208.11 312.17	65.22
23 21	13 23-0801	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	399.12 232.16 348.24	72.62
23 21	13 23-0802	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	402.46 225.89 338.83	80.15
23 21	13 23-0803	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	504.36 291.78 437.66	93.14
23 21	13 23-0804	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	685.83 423.54 635.32	104.31
23 21	13 23-0805	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	733.18 441.32 661.98	121.08
23 21	13 23-0806	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	915.74 571.72 857.58	134.06
<b>23 21 13 23-0807 Flanged Steel, Reducing 90 Degree Elbows (23 21 13 23-0798)</b>					
23 21	13 23-0808	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	628.85 420.41 630.61	68.99
23 21	13 23-0809	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	658.32 435.05 652.57	76.39
23 21	13 23-0810	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	813.55 546.94 820.42	86.58
23 21	13 23-0811	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	995.79 686.03 1,029.05	92.16
23 21	13 23-0812	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,135.79 780.15 1,170.23	107.11
23 21	13 23-0813	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,567.82 1,101.21 1,651.81	127.64
<b>23 21 13 23-0814 Flanged Steel, 45 Degree Elbows (23 21 13 23-0798)</b>					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0815	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	452.01 283.41 425.11	65.22
23 21	13 23-0816	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	474.94 292.82 439.22	72.62
23 21	13 23-0817	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	496.58 301.18 451.78	80.15
23 21	13 23-0818	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	614.16 379.62 569.42	93.14
23 21	13 23-0819	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	863.61 565.77 848.65	104.31
23 21	13 23-0820	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	856.06 539.62 809.44	121.08
23 21	13 23-0821	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,003.25 641.73 962.59	134.06
<b>23 21 13 23-0822 Flanged Steel, Tees (23 21 13 23-0798)</b>					
23 21	13 23-0823	EA	2" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	469.52 258.31 387.47	97.75
23 21	13 23-0824	EA	2-1/2" Standard Weight, Flanged Steel, Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	593.46 344.06 516.10	108.92
23 21	13 23-0825	EA	3" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	556.63 301.19 451.79	120.10
23 21	13 23-0826	EA	4" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	771.57 449.68 674.52	139.78
23 21	13 23-0827	EA	5" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,108.32 698.97 1,048.45	156.54
23 21	13 23-0828	EA	6" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,345.71 858.73 1,288.09	181.68
23 21	13 23-0829	EA	8" Standard Weight, Flanged Steel, Tee..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,496.96 945.09 1,417.63	210.44
<b>23 21 13 23-0830 Flanged Steel, Reducing Tees (23 21 13 23-0798)</b>					
23 21	13 23-0831	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	705.53 438.18 657.28	105.29
23 21	13 23-0832	EA	3" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	811.17 509.30 763.94	116.47
23 21	13 23-0833	EA	4" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,346.04 917.09 1,375.63	133.22
23 21	13 23-0834	EA	5" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,460.10 987.10 1,480.64	150.96
23 21	13 23-0835	EA	6" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,823.22 1,250.78 1,876.18	173.30
23 21	13 23-0836	EA	8" Standard Weight, Flanged Steel, Reducing Tee ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	2,260.55 1,574.95 2,362.43	194.66
<b>23 21 13 23-0837 Flanged Steel, Concentric Reducers (23 21 13 23-0798)</b>					
23 21	13 23-0838	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	650.48 428.78 643.16	76.39
23 21	13 23-0839	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	739.04 487.34 731.00	86.58
23 21	13 23-0840	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,074.85 741.46 1,112.20	98.73
23 21	13 23-0841	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,184.16 818.85 1,228.27	107.11
23 21	13 23-0842	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer ..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	1,388.73 957.94 1,436.90	127.64
<b>23 21 13 23-0843 Flanged Steel, Eccentric Reducers (23 21 13 23-0798)</b>					



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0844	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	706.10 460.98 691.48	86.58
23 21	13 23-0845	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer..... <i>For Galvanized Fittings, Add</i> <i>For Extra Heavy Weight Fittings, Add</i>	945.95 638.34 957.52	98.73
23 21	13 23-0846		<b>Plain End Couplings And Fittings</b> (23 21 13 23) Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.		
23 21	13 23-0847		<b>Plain End Piping System Couplings</b> (23 21 13 23-0846)		
23 21	13 23-0848		<b>Plainlock Plain End Piping System Couplings</b> (23 21 13 23-0847) Note: Ductile iron body with gasket, bolts and nuts.		
23 21	13 23-0849	EA	1" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	186.92 34.87	8.38
23 21	13 23-0850	EA	1-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	191.80 34.87	11.59
23 21	13 23-0851	EA	2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	197.46 34.87	15.36
23 21	13 23-0852	EA	2-1/2" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	202.28 34.87	18.58
23 21	13 23-0853	EA	3" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	239.28 41.15	22.35
23 21	13 23-0854	EA	4" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	329.76 57.02	29.75
23 21	13 23-0855	EA	6" Plainlock Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	554.00 96.28	48.46
23 21	13 23-0856		<b>Roust-A-Bout Plain End Piping System Couplings</b> (23 21 13 23-0847) Note: Ductile iron body with gasket, bolts and nuts.		
23 21	13 23-0857	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	225.67 52.05	11.59
23 21	13 23-0858	EA	2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	231.33 52.05	15.36
23 21	13 23-0859	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	236.16 52.05	18.72
23 21	13 23-0860	EA	3" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	341.92 77.11	22.35
23 21	13 23-0861	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	396.06 89.23	26.11
23 21	13 23-0862	EA	4" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	401.58 89.23	29.75
23 21	13 23-0863	EA	5" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	565.82 127.48	37.28
23 21	13 23-0864	EA	6" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	695.42 155.70	48.46
23 21	13 23-0865	EA	8" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,190.99 276.08	57.81
23 21	13 23-0866	EA	10" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,539.38 359.18	68.42
23 21	13 23-0867	EA	12" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	1,924.28 450.70	81.00
23 21	13 23-0868	EA	14" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	2,694.22 639.99	89.51
23 21	13 23-0869	EA	16" Roust-A-Bout Plain End Piping System Coupling..... <i>For Galvanized Fittings, Add</i>	3,657.43 876.41	101.24
23 21	13 23-0870		<b>Plain End Piping System Fittings</b> (23 21 13 23-0846) Note: Cast ductile iron bodies.		
23 21	13 23-0871		<b>Plain End Piping System, 90 Degree Elbows</b> (23 21 13 23-0870)		
23 21	13 23-0872	EA	1" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	187.40 32.92	15.22
23 21	13 23-0873	EA	1-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	199.15 32.92	23.04
23 21	13 23-0874	EA	2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	210.21 32.92	30.45
23 21	13 23-0875	EA	2-1/2" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	220.18 32.92	37.14
23 21	13 23-0876	EA	3" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	265.07 39.54	44.97
23 21	13 23-0877	EA	4" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	377.12 57.66	59.21
23 21	13 23-0878	EA	5" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,109.04 199.57	74.15
23 21	13 23-0879	EA	6" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	938.93 158.69	97.05
23 21	13 23-0880	EA	8" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	1,848.70 335.17	115.21
23 21	13 23-0881	EA	10" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,308.11 421.26	134.62
23 21	13 23-0882	EA	12" Plain End Piping System, 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	2,924.26 536.36	161.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 21 13 23-0883 Plain End Piping System, 45 Degree Elbows (23 21 13 23-0870)</b>					
23 21 13 23-0884	EA		1" Plain End Piping System, 45 Degree Elbow	187.40	15.22
			<i>For Galvanized Fittings, Add</i>	32.92	
23 21 13 23-0885	EA		1-1/2" Plain End Piping System, 45 Degree Elbow	199.15	23.04
			<i>For Galvanized Fittings, Add</i>	32.92	
23 21 13 23-0886	EA		2" Plain End Piping System, 45 Degree Elbow	210.21	30.45
			<i>For Galvanized Fittings, Add</i>	32.92	
23 21 13 23-0887	EA		2-1/2" Plain End Piping System, 45 Degree Elbow	220.18	37.14
			<i>For Galvanized Fittings, Add</i>	32.92	
23 21 13 23-0888	EA		3" Plain End Piping System, 45 Degree Elbow	265.07	44.97
			<i>For Galvanized Fittings, Add</i>	39.54	
23 21 13 23-0889	EA		4" Plain End Piping System, 45 Degree Elbow	377.12	59.21
			<i>For Galvanized Fittings, Add</i>	57.66	
23 21 13 23-0890	EA		5" Plain End Piping System, 45 Degree Elbow	1,109.04	74.15
			<i>For Galvanized Fittings, Add</i>	199.57	
23 21 13 23-0891	EA		6" Plain End Piping System, 45 Degree Elbow	941.98	97.05
			<i>For Galvanized Fittings, Add</i>	159.30	
23 21 13 23-0892	EA		8" Plain End Piping System, 45 Degree Elbow	1,093.67	115.21
			<i>For Galvanized Fittings, Add</i>	184.17	
23 21 13 23-0893	EA		10" Plain End Piping System, 45 Degree Elbow	1,486.88	134.62
			<i>For Galvanized Fittings, Add</i>	257.02	
23 21 13 23-0894	EA		12" Plain End Piping System, 45 Degree Elbow	1,902.60	161.71
			<i>For Galvanized Fittings, Add</i>	332.03	
<b>23 21 13 23-0895 Plain End Piping System, Tees (23 21 13 23-0870)</b>					
23 21 13 23-0896	EA		1" Plain End Piping System, Tee	256.20	23.04
			<i>For Galvanized Fittings, Add</i>	44.33	
23 21 13 23-0897	EA		1-1/2" Plain End Piping System, Tee	273.50	34.63
			<i>For Galvanized Fittings, Add</i>	44.33	
23 21 13 23-0898	EA		2" Plain End Piping System, Tee	288.76	44.83
			<i>For Galvanized Fittings, Add</i>	44.33	
23 21 13 23-0899	EA		2-1/2" Plain End Piping System, Tee	303.97	54.88
			<i>For Galvanized Fittings, Add</i>	44.33	
23 21 13 23-0900	EA		3" Plain End Piping System, Tee	420.13	67.45
			<i>For Galvanized Fittings, Add</i>	63.79	
23 21 13 23-0901	EA		4" Plain End Piping System, Tee	574.32	87.28
			<i>For Galvanized Fittings, Add</i>	88.71	
23 21 13 23-0902	EA		5" Plain End Piping System, Tee	1,145.50	114.09
			<i>For Galvanized Fittings, Add</i>	194.87	
23 21 13 23-0903	EA		6" Plain End Piping System, Tee	1,416.74	142.86
			<i>For Galvanized Fittings, Add</i>	240.51	
23 21 13 23-0904	EA		8" Plain End Piping System, Tee	1,926.79	173.72
			<i>For Galvanized Fittings, Add</i>	333.25	
23 21 13 23-0905	EA		10" Plain End Piping System, Tee	2,848.11	202.49
			<i>For Galvanized Fittings, Add</i>	508.91	
23 21 13 23-0906	EA		12" Plain End Piping System, Tee	3,805.85	242.56
			<i>For Galvanized Fittings, Add</i>	688.44	
<b>23 21 13 23-0907 Plain End Piping System, Reducing Tees (23 21 13 23-0870)</b>					
23 21 13 23-0908	EA		1-1/2" Plain End Piping System, Reducing Tee	493.73	37.14
			<i>For Galvanized Fittings, Add</i>	87.61	
23 21 13 23-0909	EA		2" Plain End Piping System, Reducing Tee	505.20	44.83
			<i>For Galvanized Fittings, Add</i>	87.61	
23 21 13 23-0910	EA		2-1/2" Plain End Piping System, Reducing Tee	520.41	54.88
			<i>For Galvanized Fittings, Add</i>	87.61	
23 21 13 23-0911	EA		3" Plain End Piping System, Reducing Tee	539.26	67.45
			<i>For Galvanized Fittings, Add</i>	87.61	
23 21 13 23-0912	EA		4" Plain End Piping System, Reducing Tee	777.50	87.28
			<i>For Galvanized Fittings, Add</i>	129.35	
23 21 13 23-0913	EA		6" Plain End Piping System, Reducing Tee	1,312.41	142.86
			<i>For Galvanized Fittings, Add</i>	219.65	
23 21 13 23-0914	EA		8" Plain End Piping System, Reducing Tee	1,706.84	173.72
			<i>For Galvanized Fittings, Add</i>	289.26	
23 21 13 23-0915	EA		10" Plain End Piping System, Reducing Tee	2,533.28	202.49
			<i>For Galvanized Fittings, Add</i>	445.94	
23 21 13 23-0916	EA		12" Plain End Piping System, Reducing Tee	3,715.76	242.56
			<i>For Galvanized Fittings, Add</i>	670.42	
<b>23 21 13 23-0917 Plain End Piping System, Wyes (23 21 13 23-0870)</b>					
23 21 13 23-0918	EA		2" Plain End Piping System, Wye	716.31	44.83
			<i>For Galvanized Fittings, Add</i>	129.84	
23 21 13 23-0919	EA		2-1/2" Plain End Piping System, Wye	731.52	54.88
			<i>For Galvanized Fittings, Add</i>	129.84	
23 21 13 23-0920	EA		3" Plain End Piping System, Wye	830.90	67.45
			<i>For Galvanized Fittings, Add</i>	145.94	
23 21 13 23-0921	EA		4" Plain End Piping System, Wye	1,213.89	87.28
			<i>For Galvanized Fittings, Add</i>	216.63	
23 21 13 23-0922	EA		5" Plain End Piping System, Wye	1,489.16	114.09
			<i>For Galvanized Fittings, Add</i>	263.61	
23 21 13 23-0923	EA		6" Plain End Piping System, Wye	2,029.16	142.86
			<i>For Galvanized Fittings, Add</i>	363.00	
23 21 13 23-0924	EA		8" Plain End Piping System, Wye	2,611.05	173.72
			<i>For Galvanized Fittings, Add</i>	470.10	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0925	EA	10" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	3,769.71 693.23	202.49
23 21	13 23-0926	EA	12" Plain End Piping System, Wye <i>For Galvanized Fittings, Add</i>	5,707.01 1,068.67	242.56
<b>23 21 13 23-0927 Plain End Piping System, Laterals (23 21 13 23-0870)</b>					
23 21	13 23-0928	EA	2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	762.22 139.02	44.83
23 21	13 23-0929	EA	2-1/2" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	777.43 139.02	54.88
23 21	13 23-0930	EA	3" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	876.51 155.06	67.45
23 21	13 23-0931	EA	4" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,300.99 234.05	87.28
23 21	13 23-0932	EA	5" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	1,696.60 305.09	114.09
23 21	13 23-0933	EA	6" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	2,162.62 389.69	142.86
23 21	13 23-0934	EA	8" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	3,101.29 568.15	173.72
23 21	13 23-0935	EA	10" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	4,313.64 802.01	202.49
23 21	13 23-0936	EA	12" Plain End Piping System, Lateral <i>For Galvanized Fittings, Add</i>	5,787.85 1,084.84	242.56
<b>23 21 13 23-0937 Plain End Piping System, Crosses (23 21 13 23-0870)</b>					
23 21	13 23-0938	EA	2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	855.34 94.34	67.17
23 21	13 23-0939	EA	2-1/2" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	878.09 94.34	82.25
23 21	13 23-0940	EA	3" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,027.17 109.42	101.24
23 21	13 23-0941	EA	4" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,398.69 150.32	130.85
23 21	13 23-0942	EA	5" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	1,964.75 213.51	171.21
23 21	13 23-0943	EA	6" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	2,575.63 281.92	213.66
23 21	13 23-0944	EA	8" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	3,281.28 361.67	258.76
23 21	13 23-0945	EA	10" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	4,675.02 527.70	302.48
23 21	13 23-0946	EA	12" Plain End Piping System, Cross <i>For Galvanized Fittings, Add</i>	6,632.74 760.91	363.91
<b>23 21 13 23-0947 Plain End Piping System, Adapter Nipples (23 21 13 23-0870)</b>					
Note: Plain to threaded, plain to beveled or plain to grooved.					
23 21	13 23-0948	EA	1" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	81.84 17.32	8.38
23 21	13 23-0949	EA	1-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	88.64 17.80	11.59
23 21	13 23-0950	EA	2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	94.15 17.80	15.36
23 21	13 23-0951	EA	2-1/2" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	111.31 20.85	18.58
23 21	13 23-0952	EA	3" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	136.56 25.76	22.35
23 21	13 23-0953	EA	4" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	217.00 43.08	29.75
23 21	13 23-0954	EA	6" Plain End Piping System, Adapter Nipple <i>For Galvanized Fittings, Add</i>	521.88 116.51	37.28
<b>23 21 13 23-0955 Plain End Piping System, Reducing (Swaged) Nipples (23 21 13 23-0870)</b>					
23 21	13 23-0956	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	262.84 58.21	19.97
23 21	13 23-0957	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	268.45 58.21	23.74
23 21	13 23-0958	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	274.09 58.21	27.51
23 21	13 23-0959	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	272.71 58.21	26.67
23 21	13 23-0960	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	278.22 58.21	30.30
23 21	13 23-0961	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	283.79 58.21	33.93
23 21	13 23-0962	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	329.55 70.89	30.72
23 21	13 23-0963	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	334.52 70.89	33.93
23 21	13 23-0964	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	274.66 54.52	37.71
23 21	13 23-0965	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple <i>For Galvanized Fittings, Add</i>	285.47 54.52	44.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-0966	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	333.35 65.19	48.46
23 21	13 23-0967	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	455.96 99.68	38.12
23 21	13 23-0968	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	460.85 99.68	41.48
23 21	13 23-0969	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	369.72 75.48	45.25
23 21	13 23-0970	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	374.51 75.48	48.46
23 21	13 23-0971	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	380.21 75.48	52.23
23 21	13 23-0972	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	385.65 75.48	55.86
23 21	13 23-0973	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,189.29 277.58	52.64
23 21	13 23-0974	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	946.29 214.25	59.49
23 21	13 23-0975	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	805.84 176.31	67.17
23 21	13 23-0976	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	2,200.76 528.90	56.84
23 21	13 23-0977	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	2,205.58 528.90	60.04
23 21	13 23-0978	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,660.42 391.19	63.82
23 21	13 23-0979	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,665.38 391.19	67.17
23 21	13 23-0980	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,120.21 253.53	70.80
23 21	13 23-0981	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,125.28 253.53	74.15
23 21	13 23-0982	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	886.24 192.27	78.21
23 21	13 23-0983	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,010.16 220.45	85.60
23 21	13 23-0984	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,342.98 305.75	80.02
23 21	13 23-0985	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,354.26 305.75	87.55
23 21	13 23-0986	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,533.81 347.83	95.10
23 21	13 23-0987	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple..... <i>For Galvanized Fittings, Add</i>	1,718.99 389.89	106.27
<b>23 21 13 23-0988 Plain End Piping System, Bull Plugs (23 21 13 23-0870)</b>					
23 21	13 23-0989	EA	1" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	370.41 107.35	8.38
23 21	13 23-0990	EA	1-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	375.30 107.35	11.59
23 21	13 23-0991	EA	2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	380.81 107.35	15.36
23 21	13 23-0992	EA	2-1/2" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	385.76 107.35	18.58
23 21	13 23-0993	EA	3" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	558.07 157.37	22.35
23 21	13 23-0994	EA	4" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	722.23 203.27	29.75
23 21	13 23-0995	EA	5" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,253.23 359.21	37.28
23 21	13 23-0996	EA	6" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	1,669.61 479.10	48.46
23 21	13 23-0997	EA	8" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	3,089.01 900.73	57.67
23 21	13 23-0998	EA	10" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	5,551.62 1,635.13	67.45
23 21	13 23-0999	EA	12" Plain End Piping System, Bull Plug..... <i>For Galvanized Fittings, Add</i>	8,503.26 2,514.54	81.00
<b>23 21 13 23-1000 Carbon Steel Piping Systems (23 21 13 23-23)</b>					
<b>23 21 13 23-1001 Class 3,000 LB Carbon Steel Socket Weld Fittings (23 21 13 23-1000)</b>					
Note: ASTM A105					
<b>23 21 13 23-1002 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1001)</b>					
23 21	13 23-1003	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	60.34	27.65
23 21	13 23-1004	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	67.99	30.86
23 21	13 23-1005	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	91.67	34.49
23 21	13 23-1006	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	133.04	39.10
23 21	13 23-1007	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	152.70	43.99
23 21	13 23-1008	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	211.18	56.00
23 21	13 23-1009	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	447.13	82.81
23 21	13 23-1010	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	645.46	108.92
23 21	13 23-1011	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	1,199.01	116.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
						UNIT COST	UNIT COST	
<b>23 21 13 23-1012</b>		<b>45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1001)</b>						
23 21	13 23-1013	EA			1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	68.70	27.65	
23 21	13 23-1014	EA			3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	80.63	30.86	
23 21	13 23-1015	EA			1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	95.56	34.49	
23 21	13 23-1016	EA			1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	137.97	39.10	
23 21	13 23-1017	EA			1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	164.49	43.99	
23 21	13 23-1018	EA			2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	210.93	56.00	
23 21	13 23-1019	EA			2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	519.29	82.81	
23 21	13 23-1020	EA			3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	706.52	108.92	
23 21	13 23-1021	EA			4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB.....	1,172.59	116.88	
<b>23 21 13 23-1022</b>		<b>Straight Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1001)</b>						
23 21	13 23-1023	EA			1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	73.27	34.49	
23 21	13 23-1024	EA			3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	90.80	39.80	
23 21	13 23-1025	EA			1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	125.58	47.06	
23 21	13 23-1026	EA			1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	173.63	56.00	
23 21	13 23-1027	EA			1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	211.40	66.75	
23 21	13 23-1028	EA			2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	285.70	82.81	
23 21	13 23-1029	EA			2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	552.30	108.92	
23 21	13 23-1030	EA			3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	778.00	129.31	
23 21	13 23-1031	EA			4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	1,593.38	147.55	
<b>23 21 13 23-1032</b>		<b>Reducing Tees, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1001)</b>						
23 21	13 23-1033	EA			1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	75.56	34.49	
23 21	13 23-1034	EA			3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	93.16	39.80	
23 21	13 23-1035	EA			1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	128.41	47.06	
23 21	13 23-1036	EA			1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	180.34	56.00	
23 21	13 23-1037	EA			1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	219.27	66.75	
23 21	13 23-1038	EA			2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	297.77	82.81	
23 21	13 23-1039	EA			2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	580.98	108.92	
23 21	13 23-1040	EA			3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	819.31	129.31	
23 21	13 23-1041	EA			4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	1,446.39	147.55	
<b>23 21 13 23-1042</b>		<b>Straight Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1001)</b>						
23 21	13 23-1043	EA			1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	50.04	27.65	
23 21	13 23-1044	EA			3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	56.58	30.86	
23 21	13 23-1045	EA			1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	67.45	34.49	
23 21	13 23-1046	EA			1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	78.38	39.10	
23 21	13 23-1047	EA			1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	92.69	43.99	
23 21	13 23-1048	EA			2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	122.85	56.00	
23 21	13 23-1049	EA			2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	222.16	82.81	
23 21	13 23-1050	EA			3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	298.51	108.92	
23 21	13 23-1051	EA			4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB.....	444.83	116.88	
<b>23 21 13 23-1052</b>		<b>Reducing Couplings, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1001)</b>						
23 21	13 23-1053	EA			1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	54.71	27.65	
23 21	13 23-1054	EA			3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	61.69	30.86	
23 21	13 23-1055	EA			1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	75.64	34.49	
23 21	13 23-1056	EA			1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	88.27	39.10	
23 21	13 23-1057	EA			1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	107.36	43.99	
23 21	13 23-1058	EA			2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	138.53	56.00	
23 21	13 23-1059	EA			2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	256.69	82.81	
23 21	13 23-1060	EA			3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	367.97	108.92	
23 21	13 23-1061	EA			4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB.....	589.21	116.88	
<b>23 21 13 23-1062</b>		<b>Caps, 3,000 LB Carbon Steel Socket Weld (23 21 13 23-1001)</b>						
23 21	13 23-1063	EA			1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	33.08	12.99	
23 21	13 23-1064	EA			3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	38.62	13.83	
23 21	13 23-1065	EA			1" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	45.59	15.92	
23 21	13 23-1066	EA			1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	54.19	17.32	
23 21	13 23-1067	EA			1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	64.58	17.32	
23 21	13 23-1068	EA			2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	83.89	22.21	
23 21	13 23-1069	EA			2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	160.36	27.65	
23 21	13 23-1070	EA			3" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	237.49	33.38	
23 21	13 23-1071	EA			4" Cap, Carbon Steel, Socket Weld, 3,000 LB.....	352.30	39.99	
<b>23 21 13 23-1072</b>		<b>Black Cast Iron Square Head Plug (23 21 13 23-1001)</b>						
23 21	13 23-1073	EA			1/2" Square Head Plug, Black, Cast Iron.....	19.43	11.03	
23 21	13 23-1074	EA			3/4" Square Head Plug, Black, Cast Iron.....	23.87	11.03	
23 21	13 23-1075	EA			1" Square Head Plug, Black, Cast Iron.....	33.28	16.76	
23 21	13 23-1076	EA			1-1/4" Square Head Plug, Black, Cast Iron.....	34.17	16.76	
23 21	13 23-1077	EA			1-1/2" Square Head Plug, Black, Cast Iron.....	37.85	16.76	
23 21	13 23-1078	EA			2" Square Head Plug, Black, Cast Iron.....	49.99	22.21	
23 21	13 23-1079	EA			2-1/2" Square Head Plug, Black, Cast Iron.....	65.49	27.65	
23 21	13 23-1080	EA			3" Square Head Plug, Black, Cast Iron.....	88.75	33.38	
23 21	13 23-1081	EA			4" Square Head Plug, Black, Cast Iron.....	105.47	39.99	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 21 13 23-1082</b>			<b>Unions, 3,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1001)</small>		
23 21 13 23-1083	EA		1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	100.26	34.49
23 21 13 23-1084	EA		3/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	109.49	39.80
23 21 13 23-1085	EA		1" Union, Carbon Steel, Socket Weld, 3,000 LB.....	143.33	47.06
23 21 13 23-1086	EA		1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB.....	184.35	56.00
23 21 13 23-1087	EA		1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	222.72	66.75
23 21 13 23-1088	EA		2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	279.10	82.81
23 21 13 23-1089	EA		2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB.....	531.72	89.93
23 21 13 23-1090	EA		3" Union, Carbon Steel, Socket Weld, 3,000 LB.....	725.74	108.92

**23 21 13 23-1091 Class 6,000 LB Carbon Steel Socket Weld Fittings** (23 21 13 23-1000)  
 Note: ASTM A105

<b>23 21 13 23-1092</b>			<b>90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld</b> <small>(23 21 13 23-1091)</small>		
23 21 13 23-1093	EA		1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	70.41	27.65
23 21 13 23-1094	EA		3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	79.49	30.86
23 21 13 23-1095	EA		1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	112.89	34.49
23 21 13 23-1096	EA		1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	172.60	39.10
23 21 13 23-1097	EA		1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	198.73	43.99
23 21 13 23-1098	EA		2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	278.79	56.00
23 21 13 23-1099	EA		2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	618.68	82.81
23 21 13 23-1100	EA		3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	901.52	108.92
23 21 13 23-1101	EA		4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,742.78	116.88

**23 21 13 23-1102 45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** (23 21 13 23-1091)

23 21 13 23-1103	EA		1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	84.16	27.65
23 21 13 23-1104	EA		3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	100.05	30.86
23 21 13 23-1105	EA		1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	120.38	34.49
23 21 13 23-1106	EA		1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	182.93	39.10
23 21 13 23-1107	EA		1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	220.25	43.99
23 21 13 23-1108	EA		2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	282.87	56.00
23 21 13 23-1109	EA		2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	743.04	82.81
23 21 13 23-1110	EA		3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,014.07	108.92
23 21 13 23-1111	EA		4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB.....	1,737.34	116.88

**23 21 13 23-1112 Straight Tees, 6,000 LB Carbon Steel Socket Weld** (23 21 13 23-1091)

23 21 13 23-1113	EA		1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	93.22	34.49
23 21 13 23-1114	EA		3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	119.62	39.80
23 21 13 23-1115	EA		1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	176.57	47.06
23 21 13 23-1116	EA		1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	256.77	56.00
23 21 13 23-1117	EA		1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	314.49	66.75
23 21 13 23-1118	EA		2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	435.35	82.81
23 21 13 23-1119	EA		2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	912.55	108.92
23 21 13 23-1120	EA		3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	1,318.94	129.31
23 21 13 23-1121	EA		4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	2,864.26	147.55

**23 21 13 23-1122 Reducing Tees, 6,000 LB Carbon Steel Socket Weld** (23 21 13 23-1091)

23 21 13 23-1123	EA		1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	75.56	34.49
23 21 13 23-1124	EA		3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	93.16	39.80
23 21 13 23-1125	EA		1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	128.41	47.06
23 21 13 23-1126	EA		1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	180.34	56.00
23 21 13 23-1127	EA		1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	219.27	66.75
23 21 13 23-1128	EA		2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	297.77	82.81
23 21 13 23-1129	EA		2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	580.98	108.92
23 21 13 23-1130	EA		3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	819.31	129.31
23 21 13 23-1131	EA		4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	1,446.39	147.55

**23 21 13 23-1132 Straight Couplings, 6,000 LB Carbon Steel Socket Weld** (23 21 13 23-1091)

23 21 13 23-1133	EA		1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	54.23	27.65
23 21 13 23-1134	EA		3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	61.54	30.86
23 21 13 23-1135	EA		1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	75.06	34.49
23 21 13 23-1136	EA		1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	87.97	39.10
23 21 13 23-1137	EA		1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	105.59	43.99
23 21 13 23-1138	EA		2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	141.70	56.00
23 21 13 23-1139	EA		2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	269.56	82.81
23 21 13 23-1140	EA		3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	363.89	108.92
23 21 13 23-1141	EA		4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB.....	575.25	116.88

**23 21 13 23-1142 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld** (23 21 13 23-1091)

23 21 13 23-1143	EA		1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	61.10	27.65
23 21 13 23-1144	EA		3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	69.07	30.86
23 21 13 23-1145	EA		1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	87.12	34.49
23 21 13 23-1146	EA		1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	102.54	39.10
23 21 13 23-1147	EA		1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	127.20	43.99
23 21 13 23-1148	EA		2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	164.77	56.00
23 21 13 23-1149	EA		2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	320.31	82.81
23 21 13 23-1150	EA		3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	466.20	108.92
23 21 13 23-1151	EA		4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB.....	787.96	116.88

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST	
<b>23 21 13 23-1152</b>		<b>Caps, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1091)						
23 21	13 23-1153	EA			1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	42.27	12.99	
23 21	13 23-1154	EA			3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	50.66	13.83	
23 21	13 23-1155	EA			1" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	60.16	15.92	
23 21	13 23-1156	EA			1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	73.20	17.32	
23 21	13 23-1157	EA			1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	90.56	17.32	
23 21	13 23-1158	EA			2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	117.79	22.21	
23 21	13 23-1159	EA			2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	240.20	27.65	
23 21	13 23-1160	EA			3" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	363.28	33.38	
23 21	13 23-1161	EA			4" Cap, Carbon Steel, Socket Weld, 6,000 LB.....	548.44	39.99	
<b>23 21 13 23-1162</b>		<b>Black Cast Iron Square Head Plug</b> (23 21 13 23-1091)						
23 21	13 23-1163	EA			1/2" Square Head Plug, Black Cast Iron.....	19.44	11.03	
23 21	13 23-1164	EA			3/4" Square Head Plug, Black Cast Iron.....	23.90	11.03	
23 21	13 23-1165	EA			1" Square Head Plug, Black Cast Iron.....	33.32	16.76	
23 21	13 23-1166	EA			1-1/4" Square Head Plug, Black Cast Iron.....	34.21	16.76	
23 21	13 23-1167	EA			1-1/2" Square Head Plug, Black Cast Iron.....	37.91	16.76	
23 21	13 23-1168	EA			2" Square Head Plug, Black Cast Iron.....	50.07	22.21	
23 21	13 23-1169	EA			2-1/2" Square Head Plug, Black Cast Iron.....	65.61	27.65	
23 21	13 23-1170	EA			3" Square Head Plug, Black Cast Iron.....	88.94	33.38	
23 21	13 23-1171	EA			4" Square Head Plug, Black Cast Iron.....	105.70	39.99	
<b>23 21 13 23-1172</b>		<b>Unions, 6,000 LB Carbon Steel Socket Weld</b> (23 21 13 23-1091)						
23 21	13 23-1173	EA			1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	129.94	34.49	
23 21	13 23-1174	EA			3/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	139.95	39.80	
23 21	13 23-1175	EA			1" Union, Carbon Steel, Socket Weld, 6,000 LB.....	187.85	47.06	
23 21	13 23-1176	EA			1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB.....	245.79	56.00	
23 21	13 23-1177	EA			1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	297.70	66.75	
23 21	13 23-1178	EA			2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	373.87	82.81	
23 21	13 23-1179	EA			2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB.....	774.36	89.93	
23 21	13 23-1180	EA			3" Union, Carbon Steel, Socket Weld, 6,000 LB.....	1,069.66	108.92	
<b>23 21 13 23-1181</b>		<b>Carbon Steel, Seamless Piping System</b> (23 21 13 23-1000)						
Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.								
<b>23 21 13 23-1182</b>		<b>Schedule 40, Carbon Steel, Seamless Piping</b> (23 21 13 23-1181)						
Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.								
23 21	13 23-1183	LF			1/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	14.32	5.16	
For Schedule 80, Add						2.37		
23 21	13 23-1184	LF			1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	14.47	5.59	
For Schedule 80, Add						2.16		
For Schedule 160, Add						9.02		
23 21	13 23-1185	LF			3/4" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	16.37	6.00	
For Schedule 80, Add						2.65		
For Schedule 160, Add						11.04		
23 21	13 23-1186	LF			1" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	17.34	6.57	
For Schedule 80, Add						2.73		
For Schedule 160, Add						11.37		
23 21	13 23-1187	LF			1-1/2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	24.43	8.10	
For Schedule 80, Add						4.42		
For Schedule 160, Add						18.44		
23 21	13 23-1188	LF			2" Schedule 40, Threaded (A-106) Seamless, Carbon Steel Pipe.....	29.41	9.77	
For Schedule 80, Add						5.30		
For Schedule 160, Add						22.07		
<b>23 21 13 23-1189</b>		<b>90 Degree Elbows, Screwed Carbon Steel</b> (23 21 13 23-1181)						
23 21	13 23-1190	EA			1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	43.84	21.23	
23 21	13 23-1191	EA			1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	53.65	24.86	
23 21	13 23-1192	EA			3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	59.91	27.79	
23 21	13 23-1193	EA			1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	69.50	31.00	
23 21	13 23-1194	EA			1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	118.69	39.66	
23 21	13 23-1195	EA			2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	150.27	50.41	
23 21	13 23-1196	EA			1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	47.65	21.23	
23 21	13 23-1197	EA			1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	55.08	24.86	
23 21	13 23-1198	EA			3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	64.61	27.79	
23 21	13 23-1199	EA			1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	79.75	31.00	
23 21	13 23-1200	EA			1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	143.16	39.66	
23 21	13 23-1201	EA			2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	177.31	50.41	
23 21	13 23-1202	EA			1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	68.39	24.86	
23 21	13 23-1203	EA			3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	81.38	27.79	
23 21	13 23-1204	EA			1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	97.37	31.00	
23 21	13 23-1205	EA			1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	192.67	39.66	
23 21	13 23-1206	EA			2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	308.62	50.41	
<b>23 21 13 23-1207</b>		<b>45 Degree Elbows, Screwed Carbon Steel</b> (23 21 13 23-1181)						
23 21	13 23-1208	EA			1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	51.60	21.23	
23 21	13 23-1209	EA			1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	56.72	24.86	
23 21	13 23-1210	EA			3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	63.88	27.79	
23 21	13 23-1211	EA			1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	72.52	31.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 21	13 23-1212	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	108.92	39.66
23 21	13 23-1213	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel.....	165.34	50.41
23 21	13 23-1214	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	52.21	21.23
23 21	13 23-1215	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	60.21	24.86
23 21	13 23-1216	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	67.90	27.79
23 21	13 23-1217	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	82.98	31.00
23 21	13 23-1218	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	139.38	39.66
23 21	13 23-1219	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel.....	185.75	50.41
23 21	13 23-1220	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	77.59	24.86
23 21	13 23-1221	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	97.98	27.79
23 21	13 23-1222	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	103.60	31.00
23 21	13 23-1223	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	227.98	39.66
23 21	13 23-1224	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel.....	310.95	50.41

**23 21 13 23-1225 Straight Tees, Screwed Carbon Steel** (23 21 13 23-1181)

23 21	13 23-1226	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	58.74	29.47
23 21	13 23-1227	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	67.81	31.00
23 21	13 23-1228	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	82.70	35.89
23 21	13 23-1229	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	103.11	42.31
23 21	13 23-1230	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	173.47	60.04
23 21	13 23-1231	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel.....	215.07	74.58
23 21	13 23-1232	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	61.99	29.47
23 21	13 23-1233	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	69.93	31.00
23 21	13 23-1234	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	89.78	35.89
23 21	13 23-1235	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	109.17	42.31
23 21	13 23-1236	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	194.47	60.04
23 21	13 23-1237	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel.....	249.81	74.58
23 21	13 23-1238	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	85.91	31.00
23 21	13 23-1239	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	106.95	35.89
23 21	13 23-1240	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	151.62	42.31
23 21	13 23-1241	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	242.70	60.04
23 21	13 23-1242	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel.....	403.55	74.58

**23 21 13 23-1243 Crosses, Screwed Carbon Steel** (23 21 13 23-1181)

23 21	13 23-1244	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel.....	93.00	37.28
23 21	13 23-1245	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	112.11	41.89
23 21	13 23-1246	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel.....	120.92	44.68
23 21	13 23-1247	EA	1" Cross, 2,000 LB, Screwed Carbon Steel.....	150.97	53.90
23 21	13 23-1248	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel.....	282.05	75.41
23 21	13 23-1249	EA	2" Cross, 2,000 LB, Screwed Carbon Steel.....	368.62	93.14
23 21	13 23-1250	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	116.11	41.89
23 21	13 23-1251	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel.....	143.89	44.68
23 21	13 23-1252	EA	1" Cross, 3,000 LB, Screwed Carbon Steel.....	171.06	53.90
23 21	13 23-1253	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel.....	311.03	75.41
23 21	13 23-1254	EA	2" Cross, 3,000 LB, Screwed Carbon Steel.....	421.53	93.14
23 21	13 23-1255	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	190.89	41.89
23 21	13 23-1256	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel.....	348.01	44.68
23 21	13 23-1257	EA	1" Cross, 6,000 LB, Screwed Carbon Steel.....	485.60	53.90
23 21	13 23-1258	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel.....	778.75	75.41
23 21	13 23-1259	EA	2" Cross, 6,000 LB, Screwed Carbon Steel.....	842.10	93.14

**23 21 13 23-1260 Straight Couplings, Screwed Carbon Steel** (23 21 13 23-1181)

23 21	13 23-1261	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	38.75	21.23
23 21	13 23-1262	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	43.87	24.86
23 21	13 23-1263	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	50.82	27.79
23 21	13 23-1264	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	60.29	31.00
23 21	13 23-1265	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	94.01	39.66
23 21	13 23-1266	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel.....	119.26	50.41
23 21	13 23-1267	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	48.34	21.23
23 21	13 23-1268	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	49.94	24.86
23 21	13 23-1269	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	55.48	27.79
23 21	13 23-1270	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	66.50	31.00
23 21	13 23-1271	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	103.49	39.66
23 21	13 23-1272	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel.....	153.91	50.41

**23 21 13 23-1273 Reducing Couplings, Screwed Carbon Steel** (23 21 13 23-1181)

23 21	13 23-1274	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	40.09	22.62
23 21	13 23-1275	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	47.01	24.86
23 21	13 23-1276	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	55.63	27.79
23 21	13 23-1277	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	66.95	31.00
23 21	13 23-1278	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	95.74	39.66
23 21	13 23-1279	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel.....	128.60	50.41
23 21	13 23-1280	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	169.77	27.79
23 21	13 23-1281	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	174.22	24.86
23 21	13 23-1282	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	205.19	31.00
23 21	13 23-1283	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	300.20	39.66
23 21	13 23-1284	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel.....	438.08	50.41

**23 21 13 23-1285 Caps, Screwed Carbon Steel** (23 21 13 23-1181)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1286	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel.....	19.93	9.50
23 21	13 23-1287	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	22.87	11.03
23 21	13 23-1288	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel.....	27.32	12.42
23 21	13 23-1289	EA	1" Cap, 3,000 LB, Screwed Carbon Steel.....	34.08	13.83
23 21	13 23-1290	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel.....	47.71	17.60
23 21	13 23-1291	EA	2" Cap, 3,000 LB, Screwed Carbon Steel.....	66.59	22.48
23 21	13 23-1292	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel.....	31.44	9.50
23 21	13 23-1293	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	30.24	11.03
23 21	13 23-1294	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel.....	39.33	12.42
23 21	13 23-1295	EA	1" Cap, 6,000 LB, Screwed Carbon Steel.....	42.85	13.83
23 21	13 23-1296	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel.....	83.46	17.60
23 21	13 23-1297	EA	2" Cap, 6,000 LB, Screwed Carbon Steel.....	101.40	22.48
<b>23 21 13 23-1298 Nipples, Screwed Carbon Steel (23 21 13 23-1181)</b>					
23 21	13 23-1299	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel.....	24.04	12.71
23 21	13 23-1300	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel.....	24.32	13.27
23 21	13 23-1301	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel.....	24.03	13.27
23 21	13 23-1302	EA	1" Nipple, 2" Long, Screwed Carbon Steel.....	27.30	14.38
23 21	13 23-1303	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel.....	32.07	15.50
23 21	13 23-1304	EA	2" Nipple, 2" Long, Screwed Carbon Steel.....	36.65	19.97
23 21	13 23-1305	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel.....	26.24	12.71
23 21	13 23-1306	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel.....	26.06	13.27
23 21	13 23-1307	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel.....	26.00	13.27
23 21	13 23-1308	EA	1" Nipple, 4" Long, Screwed Carbon Steel.....	29.96	14.38
23 21	13 23-1309	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel.....	36.81	15.50
23 21	13 23-1310	EA	2" Nipple, 4" Long, Screwed Carbon Steel.....	43.58	19.97
23 21	13 23-1311	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel.....	31.49	12.71
23 21	13 23-1312	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel.....	28.83	13.27
23 21	13 23-1313	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel.....	29.08	13.27
23 21	13 23-1314	EA	1" Nipple, 6" Long, Screwed Carbon Steel.....	33.78	14.38
23 21	13 23-1315	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel.....	43.28	15.50
23 21	13 23-1316	EA	2" Nipple, 6" Long, Screwed Carbon Steel.....	49.32	19.97
<b>23 21 13 23-1317 Unions, Screwed Carbon Steel (23 21 13 23-1181)</b>					
23 21	13 23-1318	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel.....	49.68	30.86
23 21	13 23-1319	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel.....	50.31	31.00
23 21	13 23-1320	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel.....	57.57	35.89
23 21	13 23-1321	EA	1" Union, 3,000 LB, Screwed Carbon Steel.....	69.11	42.31
23 21	13 23-1322	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel.....	99.59	60.04
23 21	13 23-1323	EA	2" Union, 3,000 LB, Screwed Carbon Steel.....	123.72	74.58
23 21	13 23-1324	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel.....	100.59	30.86
23 21	13 23-1325	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel.....	111.85	31.00
23 21	13 23-1326	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel.....	132.11	35.89
23 21	13 23-1327	EA	1" Union, 6,000 LB, Screwed Carbon Steel.....	160.97	42.31
23 21	13 23-1328	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel.....	287.43	60.04
23 21	13 23-1329	EA	2" Union, 6,000 LB, Screwed Carbon Steel.....	354.89	74.58
<b>23 21 13 23-1330 Weld Neck Flanges, Screwed Carbon Steel (23 21 13 23-1181)</b>					
23 21	13 23-1331	EA	1/2" Flange, 150 LB, Screwed Carbon Steel.....	113.62	57.67
23 21	13 23-1332	EA	3/4" Flange, 150 LB, Screwed Carbon Steel.....	118.67	60.47
23 21	13 23-1333	EA	1" Flange, 150 LB, Screwed Carbon Steel.....	122.60	63.12
23 21	13 23-1334	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel.....	135.51	71.08
23 21	13 23-1335	EA	2" Flange, 150 LB, Screwed Carbon Steel.....	140.16	74.15
23 21	13 23-1336	EA	1/2" Flange, 300 LB, Screwed Carbon Steel.....	115.34	57.67
			<i>For Ring Type Joint, Add</i>	28.79	
			<i>For Blind Flange, Deduct</i>	-40.38	
23 21	13 23-1337	EA	3/4" Flange, 300 LB, Screwed Carbon Steel.....	120.49	60.47
			<i>For Ring Type Joint, Add</i>	29.76	
			<i>For Blind Flange, Deduct</i>	-42.24	
23 21	13 23-1338	EA	1" Flange, 300 LB, Screwed Carbon Steel.....	125.36	63.12
			<i>For Ring Type Joint, Add</i>	30.70	
			<i>For Blind Flange, Deduct</i>	-44.00	
23 21	13 23-1339	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel.....	142.13	71.08
			<i>For Ring Type Joint, Add</i>	35.53	
			<i>For Blind Flange, Deduct</i>	-49.75	
23 21	13 23-1340	EA	2" Flange, 300 LB, Screwed Carbon Steel.....	146.78	74.15
			<i>For Ring Type Joint, Add</i>	35.53	
			<i>For Blind Flange, Deduct</i>	-51.61	
23 21	13 23-1341	EA	1/2" Flange, 600 LB, Screwed Carbon Steel.....	126.67	57.67
			<i>For Ring Type Joint, Add</i>	40.12	
			<i>For Blind Flange, Deduct</i>	-42.64	
23 21	13 23-1342	EA	3/4" Flange, 600 LB, Screwed Carbon Steel.....	130.85	60.47
			<i>For Ring Type Joint, Add</i>	40.12	
			<i>For Blind Flange, Deduct</i>	-44.32	
23 21	13 23-1343	EA	1" Flange, 600 LB, Screwed Carbon Steel.....	136.61	63.12
			<i>For Ring Type Joint, Add</i>	41.95	
			<i>For Blind Flange, Deduct</i>	-46.25	
23 21	13 23-1344	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel.....	156.05	71.08
			<i>For Ring Type Joint, Add</i>	49.45	
			<i>For Blind Flange, Deduct</i>	-52.53	
23 21	13 23-1345	EA	2" Flange, 600 LB, Screwed Carbon Steel.....	157.28	74.15
			<i>For Ring Type Joint, Add</i>	46.03	
			<i>For Blind Flange, Deduct</i>	-53.71	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 21 13 23-1346</b>		<b>Square Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1181)		
23 21 13 23-1347	EA	1/4" Square Head Plug, Screwed Carbon Steel	8.41	3.91
23 21 13 23-1348	EA	1/2" Square Head Plug, Screwed Carbon Steel	10.05	4.61
23 21 13 23-1349	EA	3/4" Square Head Plug, Screwed Carbon Steel	11.79	5.30
23 21 13 23-1350	EA	1" Square Head Plug, Screwed Carbon Steel	17.13	7.82
23 21 13 23-1351	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	23.81	7.82
23 21 13 23-1352	EA	2" Square Head Plug, Screwed Carbon Steel	35.42	10.20

<b>23 21 13 23-1353</b>		<b>Hex Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1181)		
23 21 13 23-1354	EA	1/4" Hex Head Plug, Screwed Carbon Steel	7.75	3.91
23 21 13 23-1355	EA	1/2" Hex Head Plug, Screwed Carbon Steel	9.43	4.61
23 21 13 23-1356	EA	3/4" Hex Head Plug, Screwed Carbon Steel	11.39	5.30
23 21 13 23-1357	EA	1" Hex Head Plug, Screwed Carbon Steel	16.78	7.82
23 21 13 23-1358	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	22.34	7.82
23 21 13 23-1359	EA	2" Hex Head Plug, Screwed Carbon Steel	36.46	10.20

<b>23 21 13 23-1360</b>		<b>Round Head Plugs, Screwed Carbon Steel</b> (23 21 13 23-1181)		
23 21 13 23-1361	EA	1/4" Round Head Plug, Screwed Carbon Steel	9.91	3.91
23 21 13 23-1362	EA	1/2" Round Head Plug, Screwed Carbon Steel	10.14	4.61
23 21 13 23-1363	EA	3/4" Round Head Plug, Screwed Carbon Steel	11.51	5.30
23 21 13 23-1364	EA	1" Round Head Plug, Screwed Carbon Steel	17.37	7.82
23 21 13 23-1365	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	25.67	7.82
23 21 13 23-1366	EA	2" Round Head Plug, Screwed Carbon Steel	36.06	10.20

<b>23 21 13 23-1367</b>		<b>Hexagon Bushings, Screwed Carbon Steel</b> (23 21 13 23-1181)		
23 21 13 23-1368	EA	1/4" Hex Bushing, Screwed Carbon Steel	8.25	3.91
23 21 13 23-1369	EA	1/2" Hex Bushing, Screwed Carbon Steel	9.41	4.61
23 21 13 23-1370	EA	3/4" Hex Bushing, Screwed Carbon Steel	11.22	5.30
23 21 13 23-1371	EA	1" Hex Bushing, Screwed Carbon Steel	17.25	7.82
23 21 13 23-1372	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	22.22	7.82
23 21 13 23-1373	EA	2" Hex Bushing, Screwed Carbon Steel	34.92	10.20

<b>23 21 13 23-1374</b>		<b>90 Degree Street Elbows, Screwed Carbon Steel</b> (23 21 13 23-1181)		
23 21 13 23-1375	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	56.02	21.23
23 21 13 23-1376	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	63.21	24.86
23 21 13 23-1377	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	75.08	27.79
23 21 13 23-1378	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	89.26	31.00
23 21 13 23-1379	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	150.84	39.66
23 21 13 23-1380	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	206.03	50.41
23 21 13 23-1381	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	98.00	24.86
23 21 13 23-1382	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	145.82	27.79
23 21 13 23-1383	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	207.64	31.00
23 21 13 23-1384	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	476.48	39.66

<b>23 21 13 23-1385</b>		<b>Screwed Carbon Steel Laterals</b> (23 21 13 23-1181)		
23 21 13 23-1386	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	286.20	31.00
23 21 13 23-1387	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	345.47	35.89
23 21 13 23-1388	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	424.00	42.31
23 21 13 23-1389	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	540.25	60.04
23 21 13 23-1390	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	674.42	74.58
23 21 13 23-1391	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	367.48	31.00
23 21 13 23-1392	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	466.34	35.89
23 21 13 23-1393	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	553.24	42.31
23 21 13 23-1394	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	777.86	60.04

**23 21 13 23-1395** Grooved-Joint Pipe (23 21 13 23)  
 Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

<b>23 21 13 23-1396</b>		<b>Schedule 10 Black Grooved Pipe</b> (23 21 13 23-1395)		
23 21 13 23-1397	LF	2" Black Schedule 10 Grooved Pipe	44.16	17.74
23 21 13 23-1398	LF	2-1/2" Black Schedule 10 Grooved Pipe	59.34	24.29
23 21 13 23-1399	LF	3" Black Schedule 10 Grooved Pipe	66.81	26.96
23 21 13 23-1400	LF	3-1/2" Black Schedule 10 Grooved Pipe	75.76	27.92
23 21 13 23-1401	LF	4" Black Schedule 10 Grooved Pipe	80.09	30.30
23 21 13 23-1402	LF	5" Black Schedule 10 Grooved Pipe	116.58	37.14
23 21 13 23-1403	LF	6" Black Schedule 10 Grooved Pipe	147.27	52.78
23 21 13 23-1404	LF	8" Black Schedule 10 Grooved Pipe	209.13	59.21
23 21 13 23-1405	LF	10" Black Schedule 10 Grooved Pipe	263.93	71.36
23 21 13 23-1406	LF	12" Black Schedule 10 Grooved Pipe	305.35	80.86

<b>23 21 13 23-1407</b>		<b>Schedule 40 Black Grooved Pipe</b> (23 21 13 23-1395)		
23 21 13 23-1408	LF	3/4" Black Schedule 40 Grooved Pipe	26.41	10.75
23 21 13 23-1409	LF	1" Black Schedule 40 Grooved Pipe	29.86	12.15
23 21 13 23-1410	LF	1-1/4" Black Schedule 40 Grooved Pipe	34.33	13.13
23 21 13 23-1411	LF	1-1/2" Black Schedule 40 Grooved Pipe	39.06	14.95



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-1412	LF	2" Black Schedule 40 Grooved Pipe	49.11	18.99
23 21 13 23-1413	LF	2-1/2" Black Schedule 40 Grooved Pipe	68.68	25.98
23 21 13 23-1414	LF	3" Black Schedule 40 Grooved Pipe	81.70	29.61
23 21 13 23-1415	LF	4" Black Schedule 40 Grooved Pipe	102.34	32.96
23 21 13 23-1416	LF	5" Black Schedule 40 Grooved Pipe	144.14	40.08
23 21 13 23-1417	LF	6" Black Schedule 40 Grooved Pipe	191.58	57.81
23 21 13 23-1418	LF	8" Black Schedule 40 Grooved Pipe	261.15	65.49
23 21 13 23-1419	LF	10" Black Schedule 40 Grooved Pipe	367.43	78.21
23 21 13 23-1420	LF	12" Black Schedule 40 Grooved Pipe	434.26	89.79
23 21 13 23-1421	LF	14" Black Schedule 40 Grooved Pipe	571.56	121.35
23 21 13 23-1422	LF	16" Black Schedule 40 Grooved Pipe	661.80	142.72
23 21 13 23-1423	LF	18" Black Schedule 40 Grooved Pipe	823.99	173.30
23 21 13 23-1424	LF	20" Black Schedule 40 Grooved Pipe	948.71	202.06
23 21 13 23-1425	LF	24" Black Schedule 40 Grooved Pipe	1,253.63	242.56

**23 21 13 23-1426 Schedule 80 Black Grooved Pipe (23 21 13 23-1395)**

23 21 13 23-1427	LF	3/4" Black Schedule 80 Grooved Pipe	28.98	11.73
23 21 13 23-1428	LF	1" Black Schedule 80 Grooved Pipe	32.50	12.42
23 21 13 23-1429	LF	1-1/4" Black Schedule 80 Grooved Pipe	38.63	13.83
23 21 13 23-1430	LF	1-1/2" Black Schedule 80 Grooved Pipe	44.13	15.50
23 21 13 23-1431	LF	2" Black Schedule 80 Grooved Pipe	57.12	19.97
23 21 13 23-1432	LF	2-1/2" Black Schedule 80 Grooved Pipe	80.91	27.51
23 21 13 23-1433	LF	3" Black Schedule 80 Grooved Pipe	97.64	30.86
23 21 13 23-1434	LF	4" Black Schedule 80 Grooved Pipe	125.78	33.65
23 21 13 23-1435	LF	5" Black Schedule 80 Grooved Pipe	197.73	42.31
23 21 13 23-1436	LF	6" Black Schedule 80 Grooved Pipe	254.05	60.61
23 21 13 23-1437	LF	8" Black Schedule 80 Grooved Pipe	393.34	69.26
23 21 13 23-1438	LF	10" Black Schedule 80 Grooved Pipe	491.15	83.65
23 21 13 23-1439	LF	12" Black Schedule 80 Grooved Pipe	509.38	101.11

**23 21 13 23-1440 Schedule 40 Galvanized Grooved Pipe (23 21 13 23-1395)**

23 21 13 23-1441	LF	3/4" Galvanized Schedule 40 Grooved Pipe	24.15	10.75
23 21 13 23-1442	LF	1" Galvanized Schedule 40 Grooved Pipe	28.01	12.15
23 21 13 23-1443	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	31.24	13.13
23 21 13 23-1444	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	35.56	14.95
23 21 13 23-1445	LF	2" Galvanized Schedule 40 Grooved Pipe	44.96	18.99
23 21 13 23-1446	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	63.00	25.98
23 21 13 23-1447	LF	3" Galvanized Schedule 40 Grooved Pipe	74.84	29.61
23 21 13 23-1448	LF	4" Galvanized Schedule 40 Grooved Pipe	92.55	32.96
23 21 13 23-1449	LF	5" Galvanized Schedule 40 Grooved Pipe	130.31	40.08
23 21 13 23-1450	LF	6" Galvanized Schedule 40 Grooved Pipe	175.57	57.81
23 21 13 23-1451	LF	8" Galvanized Schedule 40 Grooved Pipe	233.69	65.49
23 21 13 23-1452	LF	10" Galvanized Schedule 40 Grooved Pipe	330.09	78.21
23 21 13 23-1453	LF	12" Galvanized Schedule 40 Grooved Pipe	390.03	89.79

**23 21 13 23-1454 Schedule 80 Galvanized Grooved Pipe (23 21 13 23-1395)**

23 21 13 23-1455	LF	3/4" Galvanized Schedule 80 Grooved Pipe	25.94	11.73
23 21 13 23-1456	LF	1" Galvanized Schedule 80 Grooved Pipe	33.94	12.42
23 21 13 23-1457	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	34.25	13.83
23 21 13 23-1458	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	44.86	16.48
23 21 13 23-1459	LF	2" Galvanized Schedule 80 Grooved Pipe	50.68	19.97
23 21 13 23-1460	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	71.79	27.51
23 21 13 23-1461	LF	3" Galvanized Schedule 80 Grooved Pipe	86.44	30.86
23 21 13 23-1462	LF	4" Galvanized Schedule 80 Grooved Pipe	109.04	33.65
23 21 13 23-1463	LF	5" Galvanized Schedule 80 Grooved Pipe	164.56	42.31
23 21 13 23-1464	LF	6" Galvanized Schedule 80 Grooved Pipe	213.06	60.61
23 21 13 23-1465	LF	8" Galvanized Schedule 80 Grooved Pipe	319.54	69.26
23 21 13 23-1466	LF	10" Galvanized Schedule 80 Grooved Pipe	380.25	83.65
23 21 13 23-1467	LF	12" Galvanized Schedule 80 Grooved Pipe	416.92	101.11

**23 21 13 23-1468 Painted Grooved-Joint Pipe Fittings (23 21 13 23)**

Note: Couplings are not included with fittings.

**23 21 13 23-1469 Grooved Elbows (23 21 13 23-1468)****23 21 13 23-1470 90 Degree Grooved Elbows (23 21 13 23-1469)**

Note: Victaulic No. 10

23 21 13 23-1471	EA	3/4", Ductile Iron, Grooved 90 Degree Elbow	101.19	15.22
		For Galvanized Fittings, Add	25.86	
23 21 13 23-1472	EA	1", Ductile Iron, Grooved 90 Degree Elbow	101.19	15.22
		For Galvanized Fittings, Add	25.86	
23 21 13 23-1473	EA	1-1/4", Ductile Iron, Grooved 90 Degree Elbow	106.89	18.99
		For Galvanized Fittings, Add	25.86	
23 21 13 23-1474	EA	1-1/2", Ductile Iron, Grooved 90 Degree Elbow	112.94	23.04
		For Galvanized Fittings, Add	25.86	
23 21 13 23-1475	EA	2", Ductile Iron, Grooved 90 Degree Elbow	124.00	30.45
		For Galvanized Fittings, Add	25.86	
23 21 13 23-1476	EA	2-1/2", Ductile Iron, Grooved 90 Degree Elbow	133.97	37.14
		For Galvanized Fittings, Add	25.86	
23 21 13 23-1477	EA	3", Ductile Iron, Grooved 90 Degree Elbow	206.61	44.97
		For Galvanized Fittings, Add	45.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1478	EA	4", Ductile Iron, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	240.60 50.04	59.35
23 21	13 23-1479	EA	5", Ductile Iron, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	480.32 121.82	74.15
23 21	13 23-1480	EA	6", Ductile Iron, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	574.46 141.57	97.05
23 21	13 23-1481	EA	8", Ductile Iron, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,076.07 297.96	115.49
23 21	13 23-1482	EA	10", Ductile Iron, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,608.76 464.22	134.76
23 21	13 23-1483	EA	12", Ductile Iron, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,497.20 744.07	161.71
23 21	13 23-1484	EA	14", Steel, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,962.81 1,547.41	182.52
23 21	13 23-1485	EA	16", Steel, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	6,438.77 2,024.80	202.06
23 21	13 23-1486	EA	18", Steel, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	8,112.87 2,568.04	220.78
23 21	13 23-1487	EA	20", Steel, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	10,570.55 3,374.66	229.57
23 21	13 23-1488	EA	24", Steel, Grooved 90 Degree Elbow <i>For Galvanized Fittings, Add</i>	15,122.72 4,856.22	271.47
<b>23 21 13 23-1489 45 Degree Grooved Elbows (23 21 13 23-1469)</b>					
Note: Victaulic No. 11					
23 21	13 23-1490	EA	3/4", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	101.14 18.80	15.22
23 21	13 23-1491	EA	1", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	101.14 18.80	15.22
23 21	13 23-1492	EA	1-1/4", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	106.84 18.80	18.99
23 21	13 23-1493	EA	1-1/2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	112.89 18.80	23.04
23 21	13 23-1494	EA	2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	123.95 18.80	30.45
23 21	13 23-1495	EA	2-1/2", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	133.92 18.80	37.14
23 21	13 23-1496	EA	3", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	206.56 33.40	44.97
23 21	13 23-1497	EA	4", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	240.60 36.40	59.35
23 21	13 23-1498	EA	5", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	480.32 88.59	74.15
23 21	13 23-1499	EA	6", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	574.46 102.96	97.05
23 21	13 23-1500	EA	8", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,076.07 216.70	115.49
23 21	13 23-1501	EA	10", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,608.76 337.62	134.76
23 21	13 23-1502	EA	12", Ductile Iron, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,497.20 541.14	161.71
23 21	13 23-1503	EA	14", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	4,962.81 1,125.39	182.52
23 21	13 23-1504	EA	16", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	6,438.77 1,472.58	202.06
23 21	13 23-1505	EA	18", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	8,112.87 1,867.66	220.78
23 21	13 23-1506	EA	20", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	10,571.15 2,454.30	230.00
23 21	13 23-1507	EA	24", Steel, Grooved 45 Degree Elbow <i>For Galvanized Fittings, Add</i>	15,122.72 3,531.80	271.47
<b>23 21 13 23-1508 22-1/2 Degree Grooved Elbows (23 21 13 23-1469)</b>					
Note: Victaulic No. 12					
23 21	13 23-1509	EA	1", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	106.30 20.04	15.22
23 21	13 23-1510	EA	1-1/4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	112.00 20.04	18.99
23 21	13 23-1511	EA	1-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	118.05 20.04	23.04
23 21	13 23-1512	EA	2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	129.11 20.04	30.45
23 21	13 23-1513	EA	2-1/2", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	139.08 20.04	37.14
23 21	13 23-1514	EA	3", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	189.47 29.30	44.97
23 21	13 23-1515	EA	4", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	252.66 39.29	59.35
23 21	13 23-1516	EA	5", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	618.87 121.85	74.15
23 21	13 23-1517	EA	6", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	609.25 111.31	97.05
23 21	13 23-1518	EA	8", Ductile Iron, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,143.57 232.90	115.49
23 21	13 23-1519	EA	10", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,534.28 319.74	134.76

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1520	EA	12", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,043.52 432.26	161.71
23 21	13 23-1521	EA	14", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,353.99 499.27	182.52
23 21	13 23-1522	EA	16", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,798.04 598.80	202.06
23 21	13 23-1523	EA	18", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,352.60 725.20	220.78
23 21	13 23-1524	EA	20", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,916.71 857.38	229.57
23 21	13 23-1525	EA	24", Steel, Grooved 22-1/2 Degree Elbow <i>For Galvanized Fittings, Add</i>	5,207.44 1,152.13	271.47
<b>23 21 13 23-1526 11-1/4 Degree Grooved Elbows (23 21 13 23-1469)</b>					
Note: Victaulic No. 13					
23 21	13 23-1527	EA	1", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	106.30 20.04	15.22
23 21	13 23-1528	EA	1-1/4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	112.00 20.04	18.99
23 21	13 23-1529	EA	1-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	118.05 20.04	23.04
23 21	13 23-1530	EA	2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	129.11 20.04	30.45
23 21	13 23-1531	EA	2-1/2", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	139.08 20.04	37.14
23 21	13 23-1532	EA	3", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	189.47 29.30	44.97
23 21	13 23-1533	EA	4", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	252.65 39.29	59.35
23 21	13 23-1534	EA	5", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	618.84 121.84	74.15
23 21	13 23-1535	EA	6", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	609.23 111.30	97.05
23 21	13 23-1536	EA	8", Ductile Iron, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,143.51 232.88	115.49
23 21	13 23-1537	EA	10", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	1,534.20 319.72	134.76
23 21	13 23-1538	EA	12", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,043.42 432.24	161.71
23 21	13 23-1539	EA	14", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,353.89 499.24	182.52
23 21	13 23-1540	EA	16", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	2,797.96 598.77	202.21
23 21	13 23-1541	EA	18", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,352.40 725.16	220.78
23 21	13 23-1542	EA	20", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	3,916.51 857.33	229.57
23 21	13 23-1543	EA	24", Steel, Grooved 11-1/4 Degree Elbow <i>For Galvanized Fittings, Add</i>	5,207.18 1,152.07	271.47
<b>23 21 13 23-1544 90 Degree Grooved Long Radius Elbows (23 21 13 23-1469)</b>					
Note: Victaulic No. 100					
23 21	13 23-1545	EA	2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	224.81 43.00	30.45
23 21	13 23-1546	EA	2-1/2", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	575.51 124.78	37.14
23 21	13 23-1547	EA	3", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	246.56 43.00	44.97
23 21	13 23-1548	EA	4", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	357.36 64.42	59.35
23 21	13 23-1549	EA	5", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	1,486.93 330.18	74.15
23 21	13 23-1550	EA	6", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	930.66 188.45	97.05
23 21	13 23-1551	EA	8", Ductile Iron, Grooved, 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	2,056.60 452.02	115.49
23 21	13 23-1552	EA	10", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	4,107.17 937.23	134.76
23 21	13 23-1553	EA	12", Ductile Iron, Grooved 90 Degree Long Radius Elbow <i>For Galvanized Fittings, Add</i>	4,899.31 1,117.65	161.71
<b>23 21 13 23-1554 Grooved Tees, Wyes And Crosses (23 21 13 23-1468)</b>					
<b>23 21 13 23-1555 Grooved Tees (23 21 13 23-1554)</b>					
Note: Victaulic No. 20					
23 21	13 23-1556	EA	3/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	149.78 35.93	19.97
23 21	13 23-1557	EA	1", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	154.33 35.93	23.04
23 21	13 23-1558	EA	1-1/4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	162.01 35.93	28.21
23 21	13 23-1559	EA	1-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	171.61 35.93	34.63
23 21	13 23-1560	EA	2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	186.87 35.93	44.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-	1561	EA 2-1/2", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	202.12 35.93	54.88
23 21	13 23-	1562	EA 3", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	268.85 50.33	67.45
23 21	13 23-	1563	EA 4", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	388.15 77.20	87.28
23 21	13 23-	1564	EA 5", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	774.81 181.13	114.09
23 21	13 23-	1565	EA 6", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	911.70 209.34	142.72
23 21	13 23-	1566	EA 8", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	1,784.00 457.27	173.30
23 21	13 23-	1567	EA 10", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	3,024.91 816.56	202.06
23 21	13 23-	1568	EA 12", Ductile Iron, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,174.26 1,143.18	242.56
23 21	13 23-	1569	EA 14", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	4,561.09 1,247.11	269.52
23 21	13 23-	1570	EA 16", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	5,701.63 1,588.58	271.05
23 21	13 23-	1571	EA 18", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	7,079.66 1,989.43	298.98
23 21	13 23-	1572	EA 20", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	9,957.06 2,850.53	303.73
23 21	13 23-	1573	EA 24", Steel, Grooved Tee <i>For Galvanized Fittings, Add</i>	15,158.55 4,379.72	373.13
<b>23 21 13 23-1574 Grooved Wyes (90 Degree True Wye) (23 21 13 23-1554)</b>					
Note: Victaulic No. 33					
23 21	13 23-	1575	EA 1", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	539.88 80.85	23.04
23 21	13 23-	1576	EA 1-1/4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	547.56 80.85	28.21
23 21	13 23-	1577	EA 1-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	557.16 80.85	34.63
23 21	13 23-	1578	EA 2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	572.42 80.85	44.83
23 21	13 23-	1579	EA 2-1/2", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	587.67 80.85	54.88
23 21	13 23-	1580	EA 3", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	705.10 96.64	67.45
23 21	13 23-	1581	EA 4", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	921.96 126.58	87.28
23 21	13 23-	1582	EA 5", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,305.06 181.44	114.09
23 21	13 23-	1583	EA 6", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	1,617.00 224.49	142.72
23 21	13 23-	1584	EA 8", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	2,280.60 323.33	173.30
23 21	13 23-	1585	EA 10", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	3,790.99 558.07	202.06
23 21	13 23-	1586	EA 12", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	4,217.02 616.54	242.56
23 21	13 23-	1587	EA 14", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	4,804.18 704.02	269.52
23 21	13 23-	1588	EA 16", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	6,121.12 914.43	270.77
23 21	13 23-	1589	EA 18", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	6,986.21 1,046.00	299.26
23 21	13 23-	1590	EA 20", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	9,936.15 1,517.05	303.17
23 21	13 23-	1591	EA 24", Steel, Grooved Wye <i>For Galvanized Fittings, Add</i>	15,300.68 2,358.59	373.13
<b>23 21 13 23-1592 Grooved Crosses (23 21 13 23-1554)</b>					
Note: Victaulic No. 35					
23 21	13 23-	1593	EA 3/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	372.19 49.07	30.02
23 21	13 23-	1594	EA 1", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	379.00 49.07	34.63
23 21	13 23-	1595	EA 1-1/4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	458.23 59.23	42.31
23 21	13 23-	1596	EA 1-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	503.26 63.82	51.95
23 21	13 23-	1597	EA 2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	341.11 36.07	67.17
23 21	13 23-	1598	EA 2-1/2", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	363.99 36.07	82.39
23 21	13 23-	1599	EA 3", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	583.68 64.81	101.11
23 21	13 23-	1600	EA 4", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	915.43 107.88	130.85
23 21	13 23-	1601	EA 5", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	1,725.91 220.40	171.06
23 21	13 23-	1602	EA 6", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	2,211.34 283.57	214.07

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1603	EA	8", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	2,879.37 373.46	259.88
23 21	13 23-1604	EA	10", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	4,700.94 636.96	303.17
23 21	13 23-1605	EA	12", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	6,673.34 919.18	363.91
23 21	13 23-1606	EA	14", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	6,954.86 952.31	404.27
23 21	13 23-1607	EA	16", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	8,914.79 1,245.78	406.65
23 21	13 23-1608	EA	18", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	10,852.50 1,527.03	448.40
23 21	13 23-1609	EA	20", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	15,105.29 2,163.38	455.39
23 21	13 23-1610	EA	24", Steel, Grooved Cross <i>For Galvanized Fittings, Add</i>	23,104.37 3,339.77	559.70
23 21	13 23-1611		<b>Grooved Reducing Tees</b> (23 21 13 23-1554) Note: Victaulic No. 25		
23 21	13 23-1612	EA	1", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	265.65 46.22	23.04
23 21	13 23-1613	EA	1-1/4", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	280.59 47.67	28.21
23 21	13 23-1614	EA	1-1/2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	296.13 48.86	34.63
23 21	13 23-1615	EA	2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	353.09 57.20	44.83
23 21	13 23-1616	EA	2-1/2", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	397.76 63.08	54.88
23 21	13 23-1617	EA	3", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	446.31 69.05	67.45
23 21	13 23-1618	EA	4", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	596.40 93.12	87.28
23 21	13 23-1619	EA	5", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	785.83 122.96	114.09
23 21	13 23-1620	EA	6", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	1,078.75 172.97	142.72
23 21	13 23-1621	EA	8", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	1,686.74 285.40	173.30
23 21	13 23-1622	EA	10", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	2,406.72 420.73	202.06
23 21	13 23-1623	EA	12", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	3,466.91 620.65	242.56
23 21	13 23-1624	EA	14", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	3,928.70 704.93	269.52
23 21	13 23-1625	EA	16", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	4,984.82 915.68	271.05
23 21	13 23-1626	EA	18", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	6,053.28 1,121.02	298.98
23 21	13 23-1627	EA	20", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	8,471.50 1,603.27	303.59
23 21	13 23-1628	EA	24", Steel, Grooved Reducing Tee <i>For Galvanized Fittings, Add</i>	13,472.12 2,582.53	373.13
23 21	13 23-1629		<b>Grooved 45 Degree Lateral Wyes</b> (23 21 13 23-1554) Note: Victaulic No. 30		
23 21	13 23-1630	EA	3/4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	508.55 86.14	19.97
23 21	13 23-1631	EA	1", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	513.10 86.14	23.04
23 21	13 23-1632	EA	1-1/4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	520.78 86.14	28.21
23 21	13 23-1633	EA	1-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	530.38 86.14	34.63
23 21	13 23-1634	EA	2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	545.64 86.14	44.83
23 21	13 23-1635	EA	2-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	560.89 86.14	54.88
23 21	13 23-1636	EA	3", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	514.49 74.41	67.45
23 21	13 23-1637	EA	3-1/2", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	816.94 126.07	77.78
23 21	13 23-1638	EA	4", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	946.11 146.75	87.28
23 21	13 23-1639	EA	5", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	1,362.58 214.48	114.09
23 21	13 23-1640	EA	6", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	2,133.68 345.56	142.72
23 21	13 23-1641	EA	8", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	3,024.93 497.73	173.30
23 21	13 23-1642	EA	10", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	4,206.03 702.54	202.06
23 21	13 23-1643	EA	12", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	5,082.54 849.40	242.56
23 21	13 23-1644	EA	14", Steel, Grooved, 45 Degree Lateral Wye <i>For Galvanized Fittings, Add</i>	7,291.58 1,239.75	269.52



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1645	EA	16", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	9,010.77 1,548.78	271.05
23 21	13 23-1646	EA	18", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	10,066.78 1,731.35	298.98
23 21	13 23-1647	EA	20", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	15,045.01 2,626.17	303.59
23 21	13 23-1648	EA	24", Steel, Grooved, 45 Degree Lateral Wye..... <i>For Galvanized Fittings, Add</i>	23,231.00 4,080.87	373.13
<b>23 21</b>	<b>13 23-1649</b>		<b>Grooved 45 Degree Lateral Reducing Wyes</b> (23 21 13 23-1554) Note: Victaulic No. 30R		
23 21	13 23-1650	EA	3", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	514.49 53.74	67.45
23 21	13 23-1651	EA	4", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	946.11 105.99	87.28
23 21	13 23-1652	EA	5", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	1,362.58 154.90	114.09
23 21	13 23-1653	EA	6", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	1,753.37 200.13	142.72
23 21	13 23-1654	EA	8", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	2,482.12 288.91	173.30
23 21	13 23-1655	EA	10", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	3,024.81 353.83	202.06
23 21	13 23-1656	EA	12", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	3,671.27 429.99	242.56
23 21	13 23-1657	EA	14", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	4,109.42 481.70	269.52
23 21	13 23-1658	EA	16", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	5,195.92 622.64	271.05
23 21	13 23-1659	EA	18", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	7,802.45 956.06	298.98
23 21	13 23-1660	EA	20", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	11,219.92 1,399.42	303.59
23 21	13 23-1661	EA	24", Steel, Grooved 45 Degree Lateral Reducing Wye..... <i>For Galvanized Fittings, Add</i>	17,988.01 2,265.71	373.13
<b>23 21</b>	<b>13 23-1662</b>		<b>Mechanical-T Outlet</b> (23 21 13 23-1554) Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.		
23 21	13 23-1663	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	180.12 19.74	50.27
23 21	13 23-1664	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	180.12 19.74	50.27
23 21	13 23-1665	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet..... <i>For Galvanized Fittings, Add</i>	192.54 22.82	50.27
23 21	13 23-1666	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	192.54	50.27
23 21	13 23-1667	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	192.69	56.55
23 21	13 23-1668	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	192.69	56.55
23 21	13 23-1669	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	225.49	56.55
23 21	13 23-1670	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	217.32	62.84
23 21	13 23-1671	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	217.32	62.84
23 21	13 23-1672	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	243.73	62.84
23 21	13 23-1673	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet.....	243.73	62.84
23 21	13 23-1674	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet.....	261.81	62.84
23 21	13 23-1675	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet.....	284.41	83.78
23 21	13 23-1676	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet.....	284.41	83.78
23 21	13 23-1677	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet.....	305.03	83.78
23 21	13 23-1678	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	310.82	83.78
23 21	13 23-1679	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	310.82	83.78
23 21	13 23-1680	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	316.60	83.78
23 21	13 23-1681	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	327.70	83.78
23 21	13 23-1682	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	406.33	115.21
23 21	13 23-1683	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	406.33	115.21
23 21	13 23-1684	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	416.34	115.21
23 21	13 23-1685	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	428.88	115.21
23 21	13 23-1686	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	473.28	146.63
23 21	13 23-1687	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	473.28	146.63
23 21	13 23-1688	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	487.99	146.63
23 21	13 23-1689	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	500.41	146.63
23 21	13 23-1690	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	522.48	146.63
23 21	13 23-1691	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	706.78	194.11
23 21	13 23-1692	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	706.78	194.11
23 21	13 23-1693	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	724.50	194.11
23 21	13 23-1694	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet.....	734.99	194.11
<b>23 21</b>	<b>13 23-1695</b>		<b>Installation-Ready™ Grooved Fittings</b> (23 21 13 23-1469)		
<b>23 21</b>	<b>13 23-1696</b>		<b>Installation-Ready™ 90 Degree Grooved Elbows</b> (23 21 13 23-1695) Note: Victaulic No. 101		
23 21	13 23-1697	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	273.62 83.38 64.68	13.83
23 21	13 23-1698	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow..... <i>For Galvanized Fittings, Add</i>	285.24 85.83 66.59	16.59

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1699	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	295.47 86.45 67.06	22.12
23 21	13 23-1700	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	357.73 104.23 80.86	27.65
<b>23 21</b>	<b>13 23-1701</b>		<b>Installation-Ready™ 45 Degree Grooved Elbows</b> (23 21 13 23-1695) Note: Victaulic No. 103		
23 21	13 23-1702	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	273.62 60.64 64.68	13.83
23 21	13 23-1703	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	285.24 62.42 66.59	16.59
23 21	13 23-1704	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	295.47 62.87 67.06	22.12
23 21	13 23-1705	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	357.73 75.80 80.86	27.65
<b>23 21</b>	<b>13 23-1706</b>		<b>Installation-Ready™ Grooved Tees</b> (23 21 13 23-1695) Note: Victaulic No. 102		
23 21	13 23-1707	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	418.07 117.05 99.88	18.43
23 21	13 23-1708	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	436.67 120.95 103.21	22.12
23 21	13 23-1709	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	453.41 122.62 104.63	29.50
23 21	13 23-1710	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee <i>For Galvanized Fittings, Add</i> <i>For Galvanized Fittings, Add</i>	527.76 141.57 120.81	36.87
<b>23 21</b>	<b>13 23-1711</b>		<b>Grooved Fittings</b> (23 21 13 23-1468)		
<b>23 21</b>	<b>13 23-1712</b>		<b>Flanged Adapter Nipple, Grooved</b> (23 21 13 23-1711) Note: Victaulic No. 41 and 45		
23 21	13 23-1713	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	361.91 60.62 50.52	16.76
23 21	13 23-1714	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	364.70 60.62 50.52	18.58
23 21	13 23-1715	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	371.68 60.62 50.52	23.33
23 21	13 23-1716	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	386.38 60.62 50.52	33.10
23 21	13 23-1717	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	396.86 60.62 50.52	40.08
23 21	13 23-1718	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	502.65 77.57 64.64	47.90
23 21	13 23-1719	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	610.59 92.50 77.09	64.52
23 21	13 23-1720	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	851.38 132.18 110.15	78.06
23 21	13 23-1721	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	995.97 150.81 125.68	105.43
23 21	13 23-1722	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	1,370.42 208.17 173.48	142.72
23 21	13 23-1723	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,147.02 339.71 283.09	173.30
23 21	13 23-1724	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	2,883.53 464.49 387.07	202.06
23 21	13 23-1725	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	3,406.74 547.75 456.46	242.56
23 21	13 23-1726	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	5,090.47 843.55 702.96	269.52
23 21	13 23-1727	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150 <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	6,110.66 990.82 825.68	404.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1728	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	6,464.86 1,032.76 860.63	485.13
23 21	13 23-1729	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i>	10,706.11 1,781.63 1,484.70	539.03
<b>23 21 13 23-1730 Grooved Concentric Reducers (23 21 13 23-1711)</b>					
Note: Victaulic No. 50					
23 21	13 23-1731	EA	1-1/4" x 3/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	384.34 15.80	16.76
23 21	13 23-1732	EA	1-1/4" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	401.92 16.52	17.74
23 21	13 23-1733	EA	1-1/2" x 3/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	452.59 50.96	19.13
23 21	13 23-1734	EA	1-1/2" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	120.81 10.91	19.97
23 21	13 23-1735	EA	1-1/2" x 1-1/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	382.82 42.24	20.95
23 21	13 23-1736	EA	2" x 3/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	125.01 10.91	22.76
23 21	13 23-1737	EA	2" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	126.40 10.91	23.74
23 21	13 23-1738	EA	2" x 1-1/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	136.91 12.01	24.72
23 21	13 23-1739	EA	2" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	132.07 10.91	27.51
23 21	13 23-1740	EA	2-1/2" x 3/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	777.43 88.82	25.70
23 21	13 23-1741	EA	2-1/2" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	619.54 69.67	26.67
23 21	13 23-1742	EA	2-1/2" x 1-1/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	565.99 63.07	27.51
23 21	13 23-1743	EA	2-1/2" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	136.17 10.91	30.30
23 21	13 23-1744	EA	2-1/2" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	141.76 10.91	33.93
23 21	13 23-1745	EA	3" x 3/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	788.45 113.04	29.88
23 21	13 23-1746	EA	3" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	146.28 15.24	30.72
23 21	13 23-1747	EA	3" x 1-1/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	623.48 87.56	31.70
23 21	13 23-1748	EA	3" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	586.23 81.36	33.93
23 21	13 23-1749	EA	3" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	136.19 12.11	37.71
23 21	13 23-1750	EA	3" x 2-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	177.12 16.68	44.97
23 21	13 23-1751	EA	3-1/2" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	189.54 17.77	48.46
23 21	13 23-1752	EA	4" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	177.79 20.67	38.12
23 21	13 23-1753	EA	4" x 1-1/4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,011.52 163.42	39.10
23 21	13 23-1754	EA	4" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	790.62 124.93	41.48
23 21	13 23-1755	EA	4" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	173.76 18.18	45.25
23 21	13 23-1756	EA	4" x 2-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	205.52 22.79	48.46
23 21	13 23-1757	EA	4" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	211.10 22.79	52.23
23 21	13 23-1758	EA	4" x 3-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	216.69 22.79	55.86
23 21	13 23-1759	EA	5" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,419.88 229.98	52.64
23 21	13 23-1760	EA	5" x 2-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,124.22 178.43	55.86
23 21	13 23-1761	EA	5" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	244.93 26.68	59.63
23 21	13 23-1762	EA	5" x 4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	286.33 31.86	67.03
23 21	13 23-1763	EA	6" x 1", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	332.25 46.10	56.84
23 21	13 23-1764	EA	6" x 1-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,500.01 263.09	60.04
23 21	13 23-1765	EA	6" x 2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	342.71 46.10	63.82
23 21	13 23-1766	EA	6" x 2-1/2", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	1,518.52 264.59	67.03
23 21	13 23-1767	EA	6" x 3", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	353.21 46.10	70.80
23 21	13 23-1768	EA	6" x 4", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	332.47 40.15	78.21
23 21	13 23-1769	EA	6" x 5", Grooved Concentric Reducer..... <i>For Galvanized Fittings, Add</i>	446.80 59.39	85.74

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-1770	EA 8" x 3", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	561.57 82.38	80.15
23 21 13 23-1771	EA 8" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	572.72 82.38	87.55
23 21 13 23-1772	EA 8" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	583.90 82.38	94.96
23 21 13 23-1773	EA 8" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	722.15 105.05	106.13
23 21 13 23-1774	EA 10" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,197.04 196.13	97.34
23 21 13 23-1775	EA 10" x 5", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,474.10 432.35	104.74
23 21 13 23-1776	EA 10" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,323.30 214.49	115.90
23 21 13 23-1777	EA 10" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,337.23 214.49	125.26
23 21 13 23-1778	EA 12" x 4", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,645.65 521.92	110.88
23 21 13 23-1779	EA 12" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	1,565.01 205.64	129.46
23 21 13 23-1780	EA 12" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,267.42 308.91	138.80
23 21 13 23-1781	EA 12" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	2,282.16 308.91	148.59
23 21 13 23-1782	EA 14" x 6", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,196.58 214.51	139.51
23 21 13 23-1783	EA 14" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	4,324.57 125.91	148.86
23 21 13 23-1784	EA 14" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,700.75 106.31	158.64
23 21 13 23-1785	EA 14" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	3,720.97 106.31	172.04
23 21 13 23-1786	EA 16" x 8", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,557.29 194.00	158.78
23 21 13 23-1787	EA 16" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	6,095.21 179.36	168.55
23 21 13 23-1788	EA 16" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,648.11 165.02	182.10
23 21 13 23-1789	EA 16" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	5,663.19 165.02	192.15
23 21 13 23-1790	EA 18" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,516.65 253.27	177.91
23 21 13 23-1791	EA 18" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,725.46 228.37	191.31
23 21 13 23-1792	EA 18" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,036.11 206.74	201.37
23 21 13 23-1793	EA 18" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,051.20 206.74	211.56
23 21 13 23-1794	EA 20" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	9,367.75 279.19	182.52
23 21 13 23-1795	EA 20" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,047.28 238.03	196.06
23 21 13 23-1796	EA 20" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	8,062.37 238.03	206.12
23 21 13 23-1797	EA 20" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,202.49 211.17	216.03
23 21 13 23-1798	EA 20" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	7,673.18 225.19	225.39
23 21 13 23-1799	EA 24" x 10", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	20,569.43 622.14	203.04
23 21 13 23-1800	EA 24" x 12", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	20,100.37 607.11	216.59
23 21 13 23-1801	EA 24" x 14", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	17,533.07 527.84	226.51
23 21 13 23-1802	EA 24" x 16", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	17,548.25 527.84	236.69
23 21 13 23-1803	EA 24" x 18", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	15,044.24 450.54	245.91
23 21 13 23-1804	EA 24" x 20", Grooved Concentric Reducer <i>For Galvanized Fittings, Add</i>	13,751.43 410.63	250.66

**23 21 13 23-1805 Grooved Eccentric Reducers (23 21 13 23-1771)**

Note: Victaulic No. 51

23 21 13 23-1806	EA 1-1/2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	467.22 52.72	19.13
23 21 13 23-1807	EA 1-1/2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	425.92 47.59	19.97
23 21 13 23-1808	EA 1-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	418.68 46.55	20.95
23 21 13 23-1809	EA 2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	886.46 102.44	22.76
23 21 13 23-1810	EA 2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	472.77 52.55	23.74
23 21 13 23-1811	EA 2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	516.26 57.61	24.72
23 21 13 23-1812	EA 2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	442.46 48.22	27.51

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1813	EA	2-1/2" x 3/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,151.02 133.72	25.70
23 21	13 23-1814	EA	2-1/2" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,076.35 124.58	26.67
23 21	13 23-1815	EA	2-1/2" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	643.22 72.35	27.51
23 21	13 23-1816	EA	2-1/2" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	522.35 57.33	30.30
23 21	13 23-1817	EA	2-1/2" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	243.10 23.09	33.93
23 21	13 23-1818	EA	3" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,157.80 133.64	30.72
23 21	13 23-1819	EA	3" x 1-1/4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,053.92 120.98	31.70
23 21	13 23-1820	EA	3" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	602.66 66.31	33.93
23 21	13 23-1821	EA	3" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	277.35 26.54	37.71
23 21	13 23-1822	EA	3" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	288.18 26.54	44.97
23 21	13 23-1823	EA	3-1/2" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,294.13 146.83	48.46
23 21	13 23-1824	EA	4" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,310.80 386.48	38.12
23 21	13 23-1825	EA	4" x 1-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,425.07 233.74	41.48
23 21	13 23-1826	EA	4" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	337.71 46.30	45.25
23 21	13 23-1827	EA	4" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	342.60 46.30	48.46
23 21	13 23-1828	EA	4" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	348.18 46.30	52.23
23 21	13 23-1829	EA	5" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,581.79 257.74	52.64
23 21	13 23-1830	EA	5" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,364.20 219.59	55.86
23 21	13 23-1831	EA	5" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,326.13 212.10	59.63
23 21	13 23-1832	EA	5" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	468.26 63.06	67.03
23 21	13 23-1833	EA	6" x 1", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,421.48 435.95	56.84
23 21	13 23-1834	EA	6" x 2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,226.26 397.57	63.82
23 21	13 23-1835	EA	6" x 2-1/2", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,637.61 473.42	67.03
23 21	13 23-1836	EA	6" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	595.72 91.35	70.80
23 21	13 23-1837	EA	6" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	545.83 79.96	78.21
23 21	13 23-1838	EA	6" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	642.53 95.92	85.74
23 21	13 23-1839	EA	8" x 3", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,595.64 461.94	80.15
23 21	13 23-1840	EA	8" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,294.72 403.70	87.55
23 21	13 23-1841	EA	8" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,156.70 375.86	94.96
23 21	13 23-1842	EA	8" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	1,028.10 162.14	106.13
23 21	13 23-1843	EA	10" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,115.97 740.81	97.34
23 21	13 23-1844	EA	10" x 5", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,897.47 697.95	104.74
23 21	13 23-1845	EA	10" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,994.44 526.32	115.90
23 21	13 23-1846	EA	10" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	2,575.05 445.46	125.26
23 21	13 23-1847	EA	12" x 4", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	4,202.98 609.16	110.88
23 21	13 23-1848	EA	12" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,962.11 568.60	129.46
23 21	13 23-1849	EA	12" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,879.68 554.05	138.80
23 21	13 23-1850	EA	12" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	3,511.47 496.26	148.59
23 21	13 23-1851	EA	14" x 6", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	9,716.61 291.88	139.51
23 21	13 23-1852	EA	14" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	6,301.54 186.60	148.86
23 21	13 23-1853	EA	14" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	6,023.97 177.64	158.64
23 21	13 23-1854	EA	14" x 12", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	6,044.19 177.64	172.04
23 21	13 23-1855	EA	16" x 8", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	10,737.91 322.34	158.78
23 21	13 23-1856	EA	16" x 10", Grooved Eccentric Reducer <i>For Galvanized Fittings, Add</i>	9,955.37 297.87	168.55



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1857	EA	16" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	9,389.90 279.89	182.10
23 21	13 23-1858	EA	16" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	9,404.98 279.89	192.15
23 21	13 23-1859	EA	18" x 10", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	13,463.17 405.13	177.91
23 21	13 23-1860	EA	18" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	12,678.33 380.42	191.31
23 21	13 23-1861	EA	18" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	11,560.22 345.63	201.37
23 21	13 23-1862	EA	18" x 16", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	11,575.31 345.63	211.56
23 21	13 23-1863	EA	20" x 10", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	17,663.39 533.87	182.52
23 21	13 23-1864	EA	20" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	13,156.90 394.90	196.06
23 21	13 23-1865	EA	20" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	12,367.84 370.21	206.12
23 21	13 23-1866	EA	20" x 16", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	12,187.62 364.22	216.03
23 21	13 23-1867	EA	20" x 18", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	11,747.18 350.26	225.39
23 21	13 23-1868	EA	24" x 12", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	25,498.67 772.84	216.59
23 21	13 23-1869	EA	24" x 14", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	21,795.01 658.68	226.51
23 21	13 23-1870	EA	24" x 16", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	21,810.19 658.68	236.69
23 21	13 23-1871	EA	24" x 18", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	20,606.13 621.29	245.91
23 21	13 23-1872	EA	24" x 20", Grooved Eccentric Reducer..... <i>For Galvanized Fittings, Add</i>	18,843.54 566.96	250.66
<b>23 21 13 23-1873 Grooved, Close Nipple (23 21 13 23-1711)</b>					
Note: Victaulic No. 143					
23 21	13 23-1874	EA	1-1/4" Ductile Iron, Grooved, Close Nipple ..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	69.41 7.47 6.22 10.62	18.43
23 21	13 23-1875	EA	1-1/2" Ductile Iron, Grooved, Close Nipple ..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	80.12 8.14 6.78 11.57	23.04
23 21	13 23-1876	EA	2" Ductile Iron, Grooved, Close Nipple ..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	100.59 9.81 8.18 13.95	30.42
23 21	13 23-1877	EA	2-1/2" Ductile Iron, Grooved, Close Nipple ..... <i>For Galvanized Fittings, Add</i> <i>For 300 LB Rating, Add</i> <i>For Galvanized Fittings, Add</i>	120.27 11.59 9.66 16.49	36.87
<b>23 21 13 23-1878 Grooved Caps (23 21 13 23-1711)</b>					
Note: Victaulic No. 60					
23 21	13 23-1879	EA	1" Carbon Steel Grooved Cap .....	154.40	5.73
23 21	13 23-1880	EA	1-1/4" Carbon Steel Grooved Cap .....	157.19	7.12
23 21	13 23-1881	EA	1-1/2" Carbon Steel Grooved Cap .....	160.27	8.66
23 21	13 23-1882	EA	2" Carbon Steel Grooved Cap .....	165.71	11.45
23 21	13 23-1883	EA	2-1/2" Carbon Steel Grooved Cap .....	170.74	13.97
23 21	13 23-1884	EA	3" Carbon Steel Grooved Cap .....	176.60	16.90
23 21	13 23-1885	EA	4" Carbon Steel Grooved Cap .....	196.83	22.35
23 21	13 23-1886	EA	5" Carbon Steel Grooved Cap .....	405.56	27.79
23 21	13 23-1887	EA	6" Carbon Steel Grooved Cap .....	422.26	36.45
23 21	13 23-1888	EA	8" Carbon Steel Grooved Cap .....	751.15	43.29
23 21	13 23-1889	EA	10" Carbon Steel Grooved Cap .....	1,259.97	50.55
23 21	13 23-1890	EA	12" Carbon Steel Grooved Cap .....	2,147.65	60.61
<b>23 21 13 23-1891 Grooved Couplings (23 21 13 23-1468)</b>					
<b>23 21 13 23-1892 Flexible Grooved Coupling (23 21 13 23-1891)</b>					
Note: Victaulic Style 77					
23 21	13 23-1893	EA	3/4" Grooved Standard Coupling .....	25.80	7.54
			<i>For Galvanized Fittings, Add</i>	4.03	
23 21	13 23-1894	EA	1" Grooved Standard Coupling .....	25.80	7.54
			<i>For Galvanized Fittings, Add</i>	4.03	
23 21	13 23-1895	EA	1-1/4" Grooved Standard Coupling .....	33.40	9.50
			<i>For Galvanized Fittings, Add</i>	5.36	
23 21	13 23-1896	EA	1-1/2" Grooved Standard Coupling .....	37.95	11.31
			<i>For Galvanized Fittings, Add</i>	5.86	
23 21	13 23-1897	EA	2" Grooved Standard Coupling .....	44.92	15.22
			<i>For Galvanized Fittings, Add</i>	6.19	
23 21	13 23-1898	EA	2-1/2" Grooved Standard Coupling .....	54.25	18.58
			<i>For Galvanized Fittings, Add</i>	7.41	
23 21	13 23-1899	EA	3" Grooved Standard Coupling .....	59.65	22.21
			<i>For Galvanized Fittings, Add</i>	7.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-1900	EA	3-1/2" Grooved Standard Coupling..... <i>For Galvanized Fittings, Add</i>	81.63 11.93	25.98
23 21	13 23-1901	EA	4" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	87.09 11.93	29.61
23 21	13 23-1902	EA	5" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	120.95 18.30	37.14
23 21	13 23-1903	EA	6" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	149.98 21.63	48.46
23 21	13 23-1904	EA	8" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	212.51 35.26	57.81
23 21	13 23-1905	EA	10" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	313.18 58.60	69.26
23 21	13 23-1906	EA	12" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	351.92 66.72	75.83
23 21	13 23-1907	EA	14" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	440.99 81.05	101.11
23 21	13 23-1908	EA	16" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	561.53 106.32	121.35
23 21	13 23-1909	EA	18" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	646.71 124.51	134.76
23 21	13 23-1910	EA	20" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	926.84 195.87	151.65
23 21	13 23-1911	EA	24" Grooved Standard Coupling ..... <i>For Galvanized Fittings, Add</i>	1,046.90 214.80	186.56
<b>23 21 13 23-1912 Zero-Flex® Rigid Coupling (23 21 13 23-1891)</b>					
Note: Victaulic Style 07					
23 21	13 23-1913	EA	1" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	31.42 4.90	7.54
23 21	13 23-1914	EA	1-1/4" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	34.27 4.90	9.50
23 21	13 23-1915	EA	1-1/2" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	37.04 4.90	11.31
23 21	13 23-1916	EA	2" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	43.34 5.03	15.22
23 21	13 23-1917	EA	2-1/2" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	51.45 5.80	18.58
23 21	13 23-1918	EA	3" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	56.85 5.80	22.21
23 21	13 23-1919	EA	3-1/2" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	66.65 6.77	25.98
23 21	13 23-1920	EA	4" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	83.65 9.60	29.61
23 21	13 23-1921	EA	5" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	106.48 12.47	37.14
23 21	13 23-1922	EA	6" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	140.74 16.66	48.46
23 21	13 23-1923	EA	8" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	193.73 26.25	57.81
23 21	13 23-1924	EA	10" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	295.88 47.04	69.26
23 21	13 23-1925	EA	12" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	328.47 52.63	75.83
23 21	13 23-1926	EA	14" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	432.20 68.77	101.11
23 21	13 23-1927	EA	16" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	547.90 89.69	121.35
23 21	13 23-1928	EA	18" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	625.21 103.68	134.76
23 21	13 23-1929	EA	20" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	731.12 123.44	151.65
23 21	13 23-1930	EA	24" Grooved Rigid Coupling ..... <i>For Galvanized Fittings, Add</i>	1,021.85 181.82	186.56
<b>23 21 13 23-1931 Large Diameter Grooved Coupling (23 21 13 23-1891)</b>					
Note: Victaulic Style 770					
23 21	13 23-1932	EA	28" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	946.10 124.67	37.14
23 21	13 23-1933	EA	30" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	1,097.98 143.54	48.46
23 21	13 23-1934	EA	32" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	1,621.96 214.95	57.81
23 21	13 23-1935	EA	36" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	2,149.39 286.37	69.26
23 21	13 23-1936	EA	42" Grooved Coupling..... <i>For Galvanized Fittings, Add</i>	4,250.45 579.15	75.83
<b>23 21 13 23-1937 Flexible Coupling (23 21 13 23-1891)</b>					
Note: Victaulic Style 75					
23 21	13 23-1938	EA	1-1/2" Grooved Flexible Coupling ..... <i>For Galvanized Fittings, Add</i>	35.22 4.66	11.31
23 21	13 23-1939	EA	2" Grooved Flexible Coupling ..... <i>For Galvanized Fittings, Add</i>	41.48 4.78	15.22
23 21	13 23-1940	EA	2-1/2" Grooved Flexible Coupling ..... <i>For Galvanized Fittings, Add</i>	49.41 5.53	18.58

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-1941	EA	3" Grooved Flexible Coupling	58.33	22.21
		<i>For Galvanized Fittings, Add</i>	6.44	
23 21 13 23-1942	EA	3-1/2" Grooved Flexible Coupling	74.62	25.98
		<i>For Galvanized Fittings, Add</i>	9.12	
23 21 13 23-1943	EA	4" Grooved Flexible Coupling	80.08	29.61
		<i>For Galvanized Fittings, Add</i>	9.12	
23 21 13 23-1944	EA	5" Grooved Flexible Coupling	106.99	37.14
		<i>For Galvanized Fittings, Add</i>	13.16	
23 21 13 23-1945	EA	6" Grooved Flexible Coupling	134.63	48.46
		<i>For Galvanized Fittings, Add</i>	15.85	
23 21 13 23-1946	EA	8" Grooved Flexible Coupling	183.89	57.81
		<i>For Galvanized Fittings, Add</i>	24.91	

**23 21 13 23-1947 Installation-Ready™ Coupling** (23 21 13 23-1891)

Note: Victaulic Style 009N

23 21 13 23-1948	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	83.78	7.05
		<i>For Galvanized Fittings, Add</i>	18.71	
23 21 13 23-1949	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	87.38	8.43
		<i>For Galvanized Fittings, Add</i>	19.10	
23 21 13 23-1950	EA	2" Ductile Iron, Installation-Ready™ Coupling	101.56	11.34
		<i>For Galvanized Fittings, Add</i>	21.60	
23 21 13 23-1951	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	118.01	13.74
		<i>For Galvanized Fittings, Add</i>	24.89	
23 21 13 23-1952	EA	3" Ductile Iron, Installation-Ready™ Coupling	135.01	16.50
		<i>For Galvanized Fittings, Add</i>	28.16	
23 21 13 23-1953	EA	4" Ductile Iron, Installation-Ready™ Coupling	187.85	22.02
		<i>For Galvanized Fittings, Add</i>	39.54	
23 21 13 23-1954	EA	5" Ductile Iron, Installation-Ready™ Coupling	294.42	27.56
		<i>For Galvanized Fittings, Add</i>	64.68	
23 21 13 23-1955	EA	6" Ductile Iron, Installation-Ready™ Coupling	356.50	36.03
		<i>For Galvanized Fittings, Add</i>	77.29	
23 21 13 23-1956	EA	8" Ductile Iron, Installation-Ready™ Coupling	569.34	42.86
		<i>For Galvanized Fittings, Add</i>	129.13	

**23 21 13 23-1957 Grooved Strainers And Suction Diffusers** (23 21 13 23-1468)**23 21 13 23-1958 Grooved Wye Strainers** (23 21 13 23-1957)

Note: Victaulic Style 732

23 21 13 23-1959	EA	2" Grooved Wye Strainer	2,530.57	30.72
23 21 13 23-1960	EA	2-1/2" Grooved Wye Strainer	2,665.80	37.28
23 21 13 23-1961	EA	3" Grooved Wye Strainer	2,999.07	44.68
23 21 13 23-1962	EA	4" Grooved Wye Strainer	3,407.43	59.63
23 21 13 23-1963	EA	5" Grooved Wye Strainer	4,918.25	74.58
23 21 13 23-1964	EA	6" Grooved Wye Strainer	5,364.13	96.91
23 21 13 23-1965	EA	8" Grooved Wye Strainer	8,173.64	115.49
23 21 13 23-1966	EA	10" Grooved Wye Strainer	13,063.15	135.03
23 21 13 23-1967	EA	12" Grooved Wye Strainer	22,709.76	162.13

**23 21 13 23-1968 Grooved Tee Type Strainers** (23 21 13 23-1957)

Note: Victaulic Style 730

23 21 13 23-1969	EA	1-1/2" Grooved Tee Type Strainer	1,952.16	23.33
23 21 13 23-1970	EA	2" Grooved Tee Type Strainer	2,499.90	30.72
23 21 13 23-1971	EA	2-1/2" Grooved Tee Type Strainer	2,633.92	37.28
23 21 13 23-1972	EA	3" Grooved Tee Type Strainer	2,963.06	44.68
23 21 13 23-1973	EA	4" Grooved Tee Type Strainer	3,366.60	59.63
23 21 13 23-1974	EA	5" Grooved Tee Type Strainer	4,858.81	74.58
23 21 13 23-1975	EA	6" Grooved Tee Type Strainer	5,300.04	96.91
23 21 13 23-1976	EA	8" Grooved Tee Type Strainer	8,074.40	115.49
23 21 13 23-1977	EA	10" Grooved Tee Type Strainer	11,807.15	135.03
23 21 13 23-1978	EA	12" Grooved Tee Type Strainer	15,181.37	162.13
23 21 13 23-1979	EA	14" Grooved Tee Type Strainer	53,521.30	182.52
23 21 13 23-1980	EA	16" Grooved Tee Type Strainer	66,481.94	202.06
23 21 13 23-1981	EA	18" Grooved Tee Type Strainer	87,375.51	220.78

**23 21 13 23-1982 Grooved Suction Diffuser** (23 21 13 23-1957)

Note: Victaulic Style 731

23 21 13 23-1983	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	5,146.97	34.49
23 21 13 23-1984	EA	3" Grooved x 2" Flanged Suction Diffuser	5,464.39	38.12
23 21 13 23-1985	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	3,954.25	44.68
23 21 13 23-1986	EA	3" Grooved x 3" Flanged Suction Diffuser	4,011.16	48.46
23 21 13 23-1987	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	4,343.53	48.46
23 21 13 23-1988	EA	4" Grooved x 3" Flanged Suction Diffuser	4,686.11	52.23
23 21 13 23-1989	EA	4" Grooved x 4" Flanged Suction Diffuser	5,415.08	52.23
23 21 13 23-1990	EA	5" Grooved x 4" Flanged Suction Diffuser	6,049.04	67.03
23 21 13 23-1991	EA	5" Grooved x 5" Flanged Suction Diffuser	6,356.49	70.80
23 21 13 23-1992	EA	6" Grooved x 4" Flanged Suction Diffuser	6,459.65	78.21
23 21 13 23-1993	EA	6" Grooved x 5" Flanged Suction Diffuser	7,715.47	85.74
23 21 13 23-1994	EA	6" Grooved x 6" Flanged Suction Diffuser	8,014.48	91.33
23 21 13 23-1995	EA	8" Grooved x 5" Flanged Suction Diffuser	8,223.87	94.96
23 21 13 23-1996	EA	8" Grooved x 6" Flanged Suction Diffuser	8,681.01	106.13
23 21 13 23-1997	EA	8" Grooved x 8" Flanged Suction Diffuser	14,838.15	115.49
23 21 13 23-1998	EA	10" Grooved x 8" Flanged Suction Diffuser	16,735.40	124.85
23 21 13 23-1999	EA	10" Grooved x 10" Flanged Suction Diffuser	20,134.06	129.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-2000	EA 12" Grooved x 10" Flanged Suction Diffuser.....	23,825.51	149.00
23 21	13	23-2001	EA 12" Grooved x 12" Flanged Suction Diffuser.....	33,067.39	158.36
23 21	13	23-2002	EA 14" Grooved x 10" Flanged Suction Diffuser.....	30,791.57	158.36
23 21	13	23-2003	EA 14" Grooved x 12" Flanged Suction Diffuser.....	34,388.71	172.32
23 21	13	23-2004	EA 14" Grooved x 14" Flanged Suction Diffuser.....	41,720.29	182.52
23 21	13	23-2005	EA 16" Grooved x 14" Flanged Suction Diffuser.....	42,952.25	191.87
<b>23 21</b>	<b>13</b>	<b>23-2006</b>	<b>Grooved Steel Valves (23 21 13 23-1468)</b>		
<b>23 21</b>	<b>13</b>	<b>23-2007</b>	<b>Grooved Butterfly Valves With Standard Trim (23 21 13 23-2006)</b>		
23 21	13	23-2008	EA 1-1/2" Butterfly Valve, Grooved, With Standard Trim.....	295.03	15.22
23 21	13	23-2009	EA 2" Butterfly Valve, Grooved, With Standard Trim.....	302.23	19.97
23 21	13	23-2010	EA 3" Butterfly Valve, Grooved, With Standard Trim.....	494.91	29.61
23 21	13	23-2011	EA 4" Butterfly Valve, Grooved, With Standard Trim.....	664.51	38.96
23 21	13	23-2012	EA 6" Butterfly Valve, Grooved, With Standard Trim.....	1,443.78	63.82
23 21	13	23-2013	EA 8" Butterfly Valve, Grooved, With Standard Trim.....	2,001.26	89.79
23 21	13	23-2014	EA 10" Butterfly Valve, Grooved, With Standard Trim.....	3,001.13	121.35
<b>23 21</b>	<b>13</b>	<b>23-2015</b>	<b>Grooved Butterfly Valves With Stainless Steel Trim (23 21 13 23-2006)</b>		
23 21	13	23-2016	EA 1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	440.85	15.22
23 21	13	23-2017	EA 2" Butterfly Valve, Grooved, With Stainless Steel Trim.....	448.05	19.97
23 21	13	23-2018	EA 3" Butterfly Valve, Grooved, With Stainless Steel Trim.....	692.58	29.61
23 21	13	23-2019	EA 4" Butterfly Valve, Grooved, With Stainless Steel Trim.....	881.63	38.96
23 21	13	23-2020	EA 6" Butterfly Valve, Grooved, With Stainless Steel Trim.....	1,683.58	63.82
23 21	13	23-2021	EA 8" Butterfly Valve, Grooved, With Stainless Steel Trim.....	2,791.96	89.79
23 21	13	23-2022	EA 10" Butterfly Valve, Grooved, With Stainless Steel Trim.....	4,394.57	121.35
<b>23 21</b>	<b>13</b>	<b>23-2023</b>	<b>Grooved Ball Valves With Standard Trim And Handle (23 21 13 23-2006)</b>		
Note: Victaulic No. 721					
23 21	13	23-2024	EA 1-1/2" Ball Valve, Grooved, With Standard Trim.....	249.70	14.95
23 21	13	23-2025	EA 2" Ball Valve, Grooved, With Standard Trim.....	286.87	20.53
23 21	13	23-2026	EA 2-1/2" Ball Valve, Grooved, With Standard Trim.....	648.32	25.14
23 21	13	23-2027	EA 3" Ball Valve, Grooved, With Standard Trim.....	1,059.46	29.75
23 21	13	23-2028	EA 4" Ball Valve, Grooved, With Standard Trim.....	1,647.57	39.10
23 21	13	23-2029	EA 6" Ball Valve, Grooved, With Standard Trim.....	5,104.41	64.24
<b>23 21</b>	<b>13</b>	<b>23-2030</b>	<b>Grooved Ball Valves With Stainless Steel Trim And Handle (23 21 13 23-2006)</b>		
Note: Victaulic No. 721					
23 21	13	23-2031	EA 1-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	265.67	14.95
23 21	13	23-2032	EA 2" Ball Valve, Grooved, With Stainless Steel Trim.....	452.66	20.53
23 21	13	23-2033	EA 2-1/2" Ball Valve, Grooved, With Stainless Steel Trim.....	1,171.09	25.14
23 21	13	23-2034	EA 3" Ball Valve, Grooved, With Stainless Steel Trim.....	1,513.51	29.75
23 21	13	23-2035	EA 4" Ball Valve, Grooved, With Stainless Steel Trim.....	2,067.16	39.10
23 21	13	23-2036	EA 6" Ball Valve, Grooved, With Stainless Steel Trim.....	5,624.34	64.24
<b>23 21</b>	<b>13</b>	<b>23-2037</b>	<b>Grooved Check Valves (23 21 13 23-2006)</b>		
Note: Victaulic No. 712					
23 21	13	23-2038	EA 2" Check Valve, Grooved.....	378.14	20.53
23 21	13	23-2039	EA 2-1/2" Check Valve, Grooved.....	611.46	25.14
23 21	13	23-2040	EA 3" Check Valve, Grooved.....	712.57	29.75
23 21	13	23-2041	EA 4" Check Valve, Grooved.....	1,009.08	39.10
<b>23 21</b>	<b>13</b>	<b>23-2042</b>	<b>Grooved Vic-Check Check Valves (23 21 13 23-2006)</b>		
Note: Victaulic No. 716					
23 21	13	23-2043	EA 2-1/2" "Vic-Check" Check Valve, Grooved.....	490.22	25.14
23 21	13	23-2044	EA 3" "Vic-Check" Check Valve, Grooved.....	497.00	29.75
23 21	13	23-2045	EA 4" "Vic-Check" Check Valve, Grooved.....	623.44	39.10
23 21	13	23-2046	EA 6" "Vic-Check" Check Valve, Grooved.....	1,211.47	64.24
23 21	13	23-2047	EA 8" "Vic-Check" Check Valve, Grooved.....	1,658.14	89.37
23 21	13	23-2048	EA 10" "Vic-Check" Check Valve, Grooved.....	4,593.47	121.08
23 21	13	23-2049	EA 12" "Vic-Check" Check Valve, Grooved.....	5,438.33	139.78
<b>23 21</b>	<b>13</b>	<b>23-2050</b>	<b>Grooved Plug Valves With Lever Operator (23 21 13 23-2006)</b>		
Note: Victaulic No. 377					
23 21	13	23-2051	EA 3" Balancing Plug Valve, Grooved, With Lever Handle.....	1,051.92	29.75
23 21	13	23-2052	EA 4" Balancing Plug Valve, Grooved, With Lever Handle.....	1,167.11	39.10
23 21	13	23-2053	EA 6" Balancing Plug Valve, Grooved, With Lever Handle.....	2,084.00	64.24
<b>23 21</b>	<b>13</b>	<b>23-2054</b>	<b>Grooved Plug Valve With Gear Operator (23 21 13 23-2006)</b>		
Note: Victaulic No. 377					
23 21	13	23-2055	EA 3" Balancing Plug Valve, Grooved, With Gear Operator.....	1,864.41	29.75
23 21	13	23-2056	EA 4" Balancing Plug Valve, Grooved, With Gear Operator.....	1,979.68	39.10
23 21	13	23-2057	EA 6" Balancing Plug Valve, Grooved, With Gear Operator.....	2,896.57	64.24
23 21	13	23-2058	EA 8" Balancing Plug Valve, Grooved, With Gear Operator.....	3,874.49	89.37
23 21	13	23-2059	EA 10" Balancing Plug Valve, Grooved, With Gear Operator.....	6,080.43	121.08
23 21	13	23-2060	EA 12" Balancing Plug Valve, Grooved, With Gear Operator.....	8,802.00	139.78

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13	23-2061		<b>Prepare Pipe For Groove</b> (23 21 13 23-1468)		
23 21 13	23-2062		<b>Cut Grooved Pipe</b> (23 21 13 23-2061) Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13	23-2063	EA	Cut 3/4" Groove Pipe .....	14.63	
23 21 13	23-2064	EA	Cut 1" Groove Pipe .....	15.88	
23 21 13	23-2065	EA	Cut 1-1/4" Groove Pipe .....	17.93	
23 21 13	23-2066	EA	Cut 1-1/2" Groove Pipe .....	19.50	
23 21 13	23-2067	EA	Cut 2" Groove Pipe .....	21.38	
23 21 13	23-2068	EA	Cut 2-1/2" Groove Pipe .....	23.16	
23 21 13	23-2069	EA	Cut 3" Groove Pipe .....	25.27	
23 21 13	23-2070	EA	Cut 3-1/2" Groove Pipe .....	26.79	
23 21 13	23-2071	EA	Cut 4" Groove Pipe .....	28.51	
23 21 13	23-2072	EA	Cut 5" Groove Pipe .....	30.89	
23 21 13	23-2073	EA	Cut 6" Groove Pipe .....	31.77	
23 21 13	23-2074	EA	Cut 8" Groove Pipe .....	41.18	
23 21 13	23-2075	EA	Cut 10" Groove Pipe .....	58.52	
23 21 13	23-2076	EA	Cut 12" Groove Pipe .....	74.12	
23 21 13	23-2077	EA	Cut 14" Groove Pipe .....	111.18	
23 21 13	23-2078	EA	Cut 16" Groove Pipe .....	117.03	
23 21 13	23-2079	EA	Cut 18" Groove Pipe .....	123.54	
23 21 13	23-2080	EA	Cut 20" Groove Pipe .....	130.81	
23 21 13	23-2081	EA	Cut 24" Groove Pipe .....	148.24	
23 21 13	23-2082		<b>Roll Grooved Pipe</b> (23 21 13 23-2061) Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.		
23 21 13	23-2083	EA	Roll 3/4" Groove .....	8.36	
23 21 13	23-2084	EA	Roll 1" Groove .....	9.75	
23 21 13	23-2085	EA	Roll 1-1/4" Groove .....	11.12	
23 21 13	23-2086	EA	Roll 1-1/2" Groove .....	12.49	
23 21 13	23-2087	EA	Roll 2" Groove .....	19.17	
23 21 13	23-2088	EA	Roll 2-1/2" Groove .....	20.22	
23 21 13	23-2089	EA	Roll 3" Groove .....	22.24	
23 21 13	23-2090	EA	Roll 3-1/2" Groove .....	23.66	
23 21 13	23-2091	EA	Roll 4" Groove .....	25.86	
23 21 13	23-2092	EA	Roll 5" Groove .....	26.47	
23 21 13	23-2093	EA	Roll 6" Groove .....	27.79	
23 21 13	23-2094	EA	Roll 8" Groove .....	33.69	
23 21 13	23-2095	EA	Roll 10" Groove .....	38.34	
23 21 13	23-2096	EA	Roll 12" Groove .....	48.35	
23 21 13	23-2097	EA	Roll 14" Groove .....	74.12	
23 21 13	23-2098	EA	Roll 16" Groove .....	79.42	
23 21 13	23-2099	EA	Roll 18" Groove .....	82.36	
23 21 13	23-2100	EA	Roll 20" Groove .....	88.95	
23 21 13	23-2101	EA	Roll 24" Groove .....	96.68	
23 21 13	23-2102		<b>Standard Gaskets</b> (23 21 13 23-2061) Note: For use on replacement of existing gaskets.		
23 21 13	23-2103	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	16.20	
23 21 13	23-2104	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	17.36	
23 21 13	23-2105	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	18.42	
23 21 13	23-2106	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	20.33	
23 21 13	23-2107	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	21.17	
23 21 13	23-2108	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	24.09	
23 21 13	23-2109	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	26.61	
23 21 13	23-2110	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	31.83	
23 21 13	23-2111	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	32.51	
23 21 13	23-2112	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	38.88	
23 21 13	23-2113	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	41.61	
23 21 13	23-2114	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	55.63	
23 21 13	23-2115	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	68.33	
23 21 13	23-2116	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	81.80	
23 21 13	23-2117	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	115.35	
23 21 13	23-2118	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	148.57	
23 21 13	23-2119	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	172.60	
23 21 13	23-2120	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	245.99	
23 21 13	23-2121	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T" .....	331.13	
23 21 13	23-2122		<b>Copper Grooved-Joint Pipe Fittings</b> (23 21 13 23) Note: Couplings are not included with fittings.		
23 21 13	23-2123		<b>Grooved Fittings</b> (23 21 13 23-2122)		
23 21 13	23-2124		<b>Grooved 90 Degree Elbows</b> (23 21 13 23-2123)		
23 21 13	23-2125	EA	2" Copper 90 Degree Elbow, Grooved .....	164.60	22.76
23 21 13	23-2126	EA	2-1/2" Copper 90 Degree Elbow, Grooved .....	184.36	27.79
23 21 13	23-2127	EA	3" Copper 90 Degree Elbow, Grooved .....	247.76	33.65
23 21 13	23-2128	EA	4" Copper 90 Degree Elbow, Grooved .....	502.96	44.40
23 21 13	23-2129	EA	5" Copper 90 Degree Elbow, Grooved .....	1,284.70	55.58
23 21 13	23-2130	EA	6" Copper 90 Degree Elbow, Grooved .....	2,018.22	72.76
23 21 13	23-2131	EA	8" Copper 90 Degree Elbow, Grooved .....	3,688.90	86.58



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2132			<b>Grooved 45 Degree Elbows (23 21 13 23-2123)</b>		
23 21 13 23-2133	EA		2" Copper 45 Degree Elbow, Grooved.....	164.60	22.76
23 21 13 23-2134	EA		2-1/2" Copper 45 Degree Elbow, Grooved.....	184.36	27.79
23 21 13 23-2135	EA		3" Copper 45 Degree Elbow, Grooved.....	247.76	33.65
23 21 13 23-2136	EA		4" Copper 45 Degree Elbow, Grooved.....	502.96	44.40
23 21 13 23-2137	EA		5" Copper 45 Degree Elbow, Grooved.....	1,284.70	55.58
23 21 13 23-2138	EA		6" Copper 45 Degree Elbow, Grooved.....	2,018.22	72.76
23 21 13 23-2139	EA		8" Copper 45 Degree Elbow, Grooved.....	3,688.90	86.58
23 21 13 23-2140			<b>Grooved Tees (23 21 13 23-2123)</b>		
23 21 13 23-2141	EA		2" Copper Tee, Grooved.....	262.16	33.51
23 21 13 23-2142	EA		2-1/2" Copper Tee, Grooved.....	289.35	41.20
23 21 13 23-2143	EA		3" Copper Tee, Grooved.....	409.13	50.55
23 21 13 23-2144	EA		4" Copper Tee, Grooved.....	806.14	65.36
23 21 13 23-2145	EA		5" Copper Tee, Grooved.....	3,142.80	85.47
23 21 13 23-2146	EA		6" Copper Tee, Grooved.....	2,548.49	106.97
23 21 13 23-2147	EA		8" Copper Tee, Grooved.....	4,428.52	129.87
23 21 13 23-2148			<b>Grooved Reducing Tees (23 21 13 23-2123)</b>		
23 21 13 23-2149	EA		2-1/2" Copper Tee, Reducing, Grooved.....	390.94	41.20
23 21 13 23-2150	EA		3" Copper Tee, Reducing, Grooved.....	624.83	50.55
23 21 13 23-2151	EA		4" Copper Tee, Reducing, Grooved.....	1,018.03	65.49
23 21 13 23-2152	EA		5" Copper Tee, Reducing, Grooved.....	2,878.88	85.60
23 21 13 23-2153	EA		6" Copper Tee, Reducing, Grooved.....	3,519.91	106.97
23 21 13 23-2154			<b>Grooved X Cup Reducing Tees (23 21 13 23-2123)</b>		
23 21 13 23-2155	EA		2" Copper Tee, Reducing, Grooved X Cup.....	316.49	33.51
23 21 13 23-2156	EA		2-1/2" Copper Tee, Reducing, Grooved X Cup.....	392.05	41.20
23 21 13 23-2157	EA		3" Copper Tee, Reducing, Grooved X Cup.....	673.72	50.55
23 21 13 23-2158	EA		4" Copper Tee, Reducing, Grooved X Cup.....	1,018.03	65.36
23 21 13 23-2159			<b>Grooved Flanged Adapter Nipples (23 21 13 23-2123)</b>		
23 21 13 23-2160	EA		2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	562.92	24.72
23 21 13 23-2161	EA		2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	594.62	30.02
23 21 13 23-2162	EA		3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	631.72	35.89
23 21 13 23-2163	EA		4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	710.58	48.32
23 21 13 23-2164	EA		5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	942.26	58.51
23 21 13 23-2165	EA		6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150.....	1,056.09	79.04
23 21 13 23-2166			<b>Grooved Concentric Reducers (23 21 13 23-2123)</b>		
23 21 13 23-2167	EA		2-1/2" x 2" Copper Concentric Reducer, Grooved.....	221.57	25.41
23 21 13 23-2168	EA		3" x 2" Copper Concentric Reducer, Grooved.....	227.15	28.35
23 21 13 23-2169	EA		3" x 2-1/2" Copper Concentric Reducer, Grooved.....	237.98	33.65
23 21 13 23-2170	EA		4" x 2" Copper Concentric Reducer, Grooved.....	416.56	33.93
23 21 13 23-2171	EA		4" x 2-1/2" Copper Concentric Reducer, Grooved.....	421.45	36.30
23 21 13 23-2172	EA		4" x 3" Copper Concentric Reducer, Grooved.....	427.03	39.10
23 21 13 23-2173	EA		5" x 3" Copper Concentric Reducer, Grooved.....	1,070.58	44.68
23 21 13 23-2174	EA		5" x 4" Copper Concentric Reducer, Grooved.....	1,081.75	50.27
23 21 13 23-2175	EA		6" x 3" Copper Concentric Reducer, Grooved.....	1,168.30	53.06
23 21 13 23-2176	EA		6" x 4" Copper Concentric Reducer, Grooved.....	1,179.46	58.65
23 21 13 23-2177	EA		6" x 5" Copper Concentric Reducer, Grooved.....	1,190.65	64.24
23 21 13 23-2178	EA		8" x 6" Copper Concentric Reducer, Grooved.....	2,023.27	79.60
23 21 13 23-2179			<b>Grooved X Cup Concentric Reducers (23 21 13 23-2123)</b>		
23 21 13 23-2180	EA		2" x 1" Copper Concentric Reducer, Grooved X Cup.....	176.88	17.87
23 21 13 23-2181	EA		2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	178.28	18.58
23 21 13 23-2182	EA		2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	182.55	20.66
23 21 13 23-2183	EA		2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup.....	212.67	19.97
23 21 13 23-2184	EA		2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup.....	214.06	20.66
23 21 13 23-2185	EA		2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	218.16	22.76
23 21 13 23-2186	EA		2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup.....	223.75	25.41
23 21 13 23-2187	EA		3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup.....	265.56	25.41
23 21 13 23-2188	EA		3" x 2" Copper Concentric Reducer, Grooved X Cup.....	271.14	28.35
23 21 13 23-2189	EA		4" x 2" Copper Concentric Reducer, Grooved X Cup.....	466.00	33.79
23 21 13 23-2190			<b>Grooved Standard Couplings (23 21 13 23-2123)</b>		
23 21 13 23-2191	EA		2" Copper Standard Coupling, Grooved.....	63.84	11.45
23 21 13 23-2192	EA		2-1/2" Copper Standard Coupling, Grooved.....	74.81	13.97
23 21 13 23-2193	EA		3" Copper Standard Coupling, Grooved.....	84.94	16.62
23 21 13 23-2194	EA		4" Copper Standard Coupling, Grooved.....	123.68	22.35
23 21 13 23-2195	EA		5" Copper Standard Coupling, Grooved.....	190.35	27.79
23 21 13 23-2196	EA		6" Copper Standard Coupling, Grooved.....	250.71	36.30
23 21 13 23-2197	EA		8" Copper Standard Coupling, Grooved.....	363.67	43.29

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2198			<b>Grooved Caps</b> (23 21 13 23-2123)		
23 21 13 23-2199	EA		2" Copper Cap, Grooved .....	104.84	11.45
23 21 13 23-2200	EA		2-1/2" Copper Cap, Grooved .....	149.50	13.97
23 21 13 23-2201	EA		3" Copper Cap, Grooved .....	184.22	16.62
23 21 13 23-2202	EA		4" Copper Cap, Grooved .....	271.03	22.21
23 21 13 23-2203	EA		5" Copper Cap, Grooved .....	457.30	27.79
23 21 13 23-2204	EA		6" Copper Cap, Grooved .....	535.08	36.30
23 21 13 23-2205			<b>Grooved Valves</b> (23 21 13 23-2122)		
23 21 13 23-2206			<b>Grooved Butterfly Valves, Standard Trim, Without Operator</b> (23 21 13 23-2205)		
			Note: Copper body.		
23 21 13 23-2207	EA		2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	485.52	14.95
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2208	EA		3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	554.66	22.21
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2209	EA		4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	733.14	29.18
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2210	EA		6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	982.43	47.90
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2211	EA		8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body .....	1,089.91	67.30
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2212			<b>Grooved Butterfly Valves, Standard Trim, With Operator</b> (23 21 13 23-2205)		
			Note: Copper body.		
23 21 13 23-2213	EA		2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	591.58	14.95
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2214	EA		3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	660.79	22.21
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2215	EA		4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	839.27	29.18
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2216	EA		6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	1,088.63	47.90
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2217	EA		8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body .....	1,196.04	67.30
			For Chain Wheel, Add	43.45	
			For Valve Bracket Insulation, Add	38.20	
23 21 13 23-2218			<b>Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> (23 21 13 23)		
			Note: Socket or back weld.		
23 21 13 23-2219			<b>Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> (23 21 13 23-2218)		
			Note: ASTM D1785 with D2466 fittings.		
23 21 13 23-2220			<b>Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe</b> (23 21 13 23-2219)		
23 21 13 23-2221	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	6.76	3.99
			For Work In Restricted Working Space, Add	1.80	
23 21 13 23-2222	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	8.47	4.98
			For Work In Restricted Working Space, Add	2.24	
23 21 13 23-2223	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	9.41	5.32
			For Work In Restricted Working Space, Add	2.39	
23 21 13 23-2224	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	10.46	5.73
			For Work In Restricted Working Space, Add	2.58	
23 21 13 23-2225	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	10.87	5.82
			For Work In Restricted Working Space, Add	2.62	
23 21 13 23-2226	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	13.38	6.97
			For Work In Restricted Working Space, Add	3.14	
23 21 13 23-2227	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	17.04	8.28
			For Work In Restricted Working Space, Add	3.72	
23 21 13 23-2228	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	21.03	10.01
			For Work In Restricted Working Space, Add	4.51	
23 21 13 23-2229	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	31.18	15.02
			For Work In Restricted Working Space, Add	6.76	
23 21 13 23-2230	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	45.14	20.03
			For Work In Restricted Working Space, Add	9.01	
23 21 13 23-2231	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	58.75	23.87
			For Work In Restricted Working Space, Add	10.74	
23 21 13 23-2232	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe .....	110.18	26.65
			For Work In Restricted Working Space, Add	11.98	
23 21 13 23-2233			<b>Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> (23 21 13 23-2219)		
23 21 13 23-2234	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	23.35	15.09
			For Work In Restricted Working Space, Add	6.76	
23 21 13 23-2235	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows .....	31.20	19.97
			For Work In Restricted Working Space, Add	9.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2236	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	39.32 11.17	24.86
23 21	13 23-2237	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	56.52 15.81	35.20
23 21	13 23-2238	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	63.51 17.83	39.66
23 21	13 23-2239	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	81.89 22.64	50.41
23 21	13 23-2240	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	131.20 33.52	74.58
23 21	13 23-2241	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	170.38 44.10	98.03
23 21	13 23-2242	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	216.34 52.37	116.47
23 21	13 23-2243	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	299.56 59.85	133.09
23 21	13 23-2244	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	490.41 69.82	155.28
23 21	13 23-2245	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	733.16 104.11	231.53
<b>23 21 13 23-2246 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2219)</b>					
23 21	13 23-2247	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	23.77 6.76	15.09
23 21	13 23-2248	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	32.03 9.01	19.97
23 21	13 23-2249	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	40.49 11.17	24.86
23 21	13 23-2250	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	57.27 15.81	35.20
23 21	13 23-2251	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	65.17 17.83	39.66
23 21	13 23-2252	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	82.97 22.64	50.41
23 21	13 23-2253	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	131.20 33.52	74.58
23 21	13 23-2254	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	177.38 44.10	98.03
23 21	13 23-2255	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	229.08 52.37	116.47
23 21	13 23-2256	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	300.73 59.85	133.09
23 21	13 23-2257	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	476.34 69.82	155.28
23 21	13 23-2258	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i>	733.16 104.11	231.53
<b>23 21 13 23-2259 Schedule 40 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2219)</b>					
23 21	13 23-2260	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	38.24 11.17	24.86
23 21	13 23-2261	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	46.13 13.52	30.02
23 21	13 23-2262	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	61.51 17.83	39.66
23 21	13 23-2263	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	78.81 22.64	50.41
23 21	13 23-2264	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	94.18 27.03	60.04
23 21	13 23-2265	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	117.63 33.52	74.58
23 21	13 23-2266	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	166.64 44.10	98.03
23 21	13 23-2267	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	200.28 52.37	116.47
23 21	13 23-2268	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	279.36 69.82	155.28
23 21	13 23-2269	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	457.50 90.10	200.25
23 21	13 23-2270	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	737.04 111.72	248.43
23 21	13 23-2271	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i>	1,983.40 166.96	371.18
<b>23 21 13 23-2272 Schedule 40 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2219)</b>					
23 21	13 23-2273	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	48.12 13.97	31.00
23 21	13 23-2274	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	58.01 16.89	37.56
23 21	13 23-2275	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	77.55 22.28	49.58
23 21	13 23-2276	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	99.57 28.31	62.98
23 21	13 23-2277	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	119.00 33.78	75.13

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2278	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	148.91 41.89	93.14
23 21	13 23-2279	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	214.54 55.12	122.61
23 21	13 23-2280	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	258.52 65.46	145.51
23 21	13 23-2281	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	364.02 87.28	194.11
23 21	13 23-2282	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	621.63 112.57	250.25
23 21	13 23-2283	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	1,036.86 139.57	310.29
23 21	13 23-2284	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i>	2,932.75 208.80	464.18
<b>23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2219)</b>					
23 21	13 23-2286	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	24.12 7.01	15.36
23 21	13 23-2287	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	31.48 8.97	19.69
23 21	13 23-2288	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.05 11.99	26.39
23 21	13 23-2289	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	51.99 14.95	32.82
23 21	13 23-2290	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	63.62 17.99	39.52
23 21	13 23-2291	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	89.03 24.96	54.88
23 21	13 23-2292	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	123.72 34.49	75.83
23 21	13 23-2293	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	162.65 42.88	94.26
23 21	13 23-2294	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	215.27 49.87	109.76
23 21	13 23-2295	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	474.05 57.63	126.80
23 21	13 23-2296	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	570.66 77.30	170.09
<b>23 21 13 23-2297 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2219)</b>					
23 21	13 23-2298	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	24.27 6.76	15.09
23 21	13 23-2299	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	31.78 9.01	19.97
23 21	13 23-2300	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	39.40 11.17	24.86
23 21	13 23-2301	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	56.02 15.81	35.20
23 21	13 23-2302	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	63.26 17.83	39.66
23 21	13 23-2303	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	80.72 22.64	50.41
23 21	13 23-2304	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	119.30 33.52	74.58
23 21	13 23-2305	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	155.73 44.10	98.03
23 21	13 23-2306	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	194.28 52.37	116.47
<b>23 21 13 23-2307 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2219)</b>					
23 21	13 23-2308	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	24.85 6.76	15.09
23 21	13 23-2309	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	32.36 9.01	19.97
23 21	13 23-2310	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	40.57 11.17	24.86
23 21	13 23-2311	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	56.69 15.81	35.20
23 21	13 23-2312	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	64.76 17.83	39.66
23 21	13 23-2313	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	82.06 22.64	50.41
23 21	13 23-2314	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	120.79 33.52	74.58
23 21	13 23-2315	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	160.31 44.10	98.03
23 21	13 23-2316	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	191.62 52.37	116.47
<b>23 21 13 23-2317 Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2219)</b>					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2318	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	23.35 6.76	15.09
23 21	13 23-2319	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	31.11 9.01	19.97
23 21	13 23-2320	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	38.49 11.17	24.86
23 21	13 23-2321	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	54.69 15.81	35.20
23 21	13 23-2322	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	61.76 17.83	39.66
23 21	13 23-2323	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	78.64 22.64	50.41
23 21	13 23-2324	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	125.45 33.52	74.58
23 21	13 23-2325	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	165.47 44.10	98.03
23 21	13 23-2326	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	205.10 52.37	116.47
<b>23 21</b>	<b>13 23-2327</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) P-Traps (23 21 13 23-2219)</b>		
23 21	13 23-2328	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps <i>For Work In Restricted Working Space, Add</i>	36.80 9.22	20.53
<b>23 21</b>	<b>13 23-2329</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2219)</b>		
23 21	13 23-2330	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	23.02 6.76	15.09
23 21	13 23-2331	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	30.70 9.01	19.97
23 21	13 23-2332	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	38.49 11.17	24.86
23 21	13 23-2333	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	54.36 15.81	35.20
23 21	13 23-2334	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	61.26 17.83	39.66
23 21	13 23-2335	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	78.31 22.64	50.41
23 21	13 23-2336	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	118.05 33.52	74.58
23 21	13 23-2337	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	156.90 44.10	98.03
23 21	13 23-2338	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	188.95 52.37	116.47
23 21	13 23-2339	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	245.11 59.85	133.09
23 21	13 23-2340	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	317.99 69.82	155.28
23 21	13 23-2341	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i>	640.75 74.84	166.46
<b>23 21</b>	<b>13 23-2342</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Unions (23 21 13 23-2219)</b>		
23 21	13 23-2343	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	46.28 11.17	24.86
23 21	13 23-2344	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	59.12 13.52	30.02
23 21	13 23-2345	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	75.16 17.83	39.66
23 21	13 23-2346	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	113.78 22.64	50.41
23 21	13 23-2347	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	130.06 27.03	60.04
23 21	13 23-2348	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	165.58 33.52	74.58
23 21	13 23-2349	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	244.73 44.10	98.03
23 21	13 23-2350	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	278.12 52.37	116.47
23 21	13 23-2351	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	438.12 69.82	155.28
23 21	13 23-2352	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	575.50 90.06	200.25
23 21	13 23-2353	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	826.40 111.66	248.29
23 21	13 23-2354	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions <i>For Work In Restricted Working Space, Add</i>	1,210.82 138.65	308.19
<b>23 21</b>	<b>13 23-2355</b>		<b>Schedule 40 Polyvinyl Chloride (PVC) Caps (23 21 13 23-2219)</b>		
23 21	13 23-2356	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	10.90 3.07	6.77
23 21	13 23-2357	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	14.34 4.05	8.93
23 21	13 23-2358	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	18.09 5.03	11.03



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2359	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	25.76 7.18	15.79
23 21	13 23-2360	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	28.74 8.02	17.60
23 21	13 23-2361	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	36.37 10.19	22.48
23 21	13 23-2362	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	58.18 15.08	33.24
23 21	13 23-2363	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	74.72 19.85	43.71
23 21	13 23-2364	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	98.20 23.57	51.80
23 21	13 23-2365	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	136.82 26.93	59.21
23 21	13 23-2366	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	262.09 31.42	69.12
23 21	13 23-2367	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps <i>For Work In Restricted Working Space, Add</i>	738.36 46.85	103.05
23 21	13 23-2368		<b>Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges</b> (23 21 13 23-2219)		
23 21	13 23-2369	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges <i>For Work In Restricted Working Space, Add</i>	53.97 11.17	24.86
23 21	13 23-2370	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	70.69 13.52	30.02
23 21	13 23-2371	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	87.98 17.83	39.66
23 21	13 23-2372	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	104.87 22.64	50.41
23 21	13 23-2373	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	120.15 27.03	60.04
23 21	13 23-2374	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	151.68 33.52	74.58
23 21	13 23-2375	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	208.68 44.10	98.03
23 21	13 23-2376	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	242.65 52.37	116.47
23 21	13 23-2377	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	318.99 69.82	155.28
23 21	13 23-2378	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	435.80 90.06	200.25
23 21	13 23-2379	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	678.13 111.66	248.29
23 21	13 23-2380	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges <i>For Work In Restricted Working Space, Add</i>	1,150.99 138.43	307.78
23 21	13 23-2381		<b>Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings</b> (23 21 13 23-2218)		
			Note: ASTM D1785 with D2467 fittings.		
23 21	13 23-2382		<b>Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe</b> (23 21 13 23-2381)		
23 21	13 23-2383	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	6.98 1.80	4.05
23 21	13 23-2384	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	8.75 2.24	5.03
23 21	13 23-2385	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	10.86 2.70	6.00
23 21	13 23-2386	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	13.04 3.15	6.98
23 21	13 23-2387	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	15.02 3.60	7.96
23 21	13 23-2388	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	19.43 4.51	10.05
23 21	13 23-2389	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	23.09 4.96	11.03
23 21	13 23-2390	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	26.73 5.41	12.01
23 21	13 23-2391	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	35.31 6.76	15.09
23 21	13 23-2392	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	54.35 9.01	19.97
23 21	13 23-2393	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	72.87 10.74	23.88
23 21	13 23-2394	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe <i>For Work In Restricted Working Space, Add</i>	152.71 11.57	25.70
23 21	13 23-2395		<b>Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows</b> (23 21 13 23-2381)		
23 21	13 23-2396	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	25.52 6.76 3.38	15.09
23 21	13 23-2397	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	33.94 9.01 4.50	19.97
23 21	13 23-2398	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.57 11.17 5.59	24.86

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2399	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	61.10 15.81 7.90	35.20
23 21 13 23-2400	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	68.42 17.83 8.91	39.66
23 21 13 23-2401	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	86.39 22.64 11.32	50.41
23 21 13 23-2402	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	137.28 33.52 16.76	74.58
23 21 13 23-2403	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	175.71 44.10 22.05	98.03
23 21 13 23-2404	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	218.17 52.37 26.18	116.47
23 21 13 23-2405	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	357.09 59.85 29.92	133.09
23 21 13 23-2406	EA		8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	575.33 69.82 34.91	155.28
23 21 13 23-2407	EA		10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	733.16 104.11 52.05	231.53
<b>23 21 13 23-2408</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (23 21 13 23-2381)</b>		
23 21 13 23-2409	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.26 6.76 3.38	15.09
23 21 13 23-2410	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	38.77 9.01 4.50	19.97
23 21 13 23-2411	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	50.39 11.17 5.59	24.86
23 21 13 23-2412	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	69.51 15.81 7.90	35.20
23 21 13 23-2413	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	79.24 17.83 8.91	39.66
23 21 13 23-2414	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	101.21 22.64 11.32	50.41
23 21 13 23-2415	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	165.84 33.52 16.76	74.58
23 21 13 23-2416	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	212.85 44.10 22.05	98.03
23 21 13 23-2417	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	293.19 52.37 26.18	116.47
23 21 13 23-2418	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	348.86 59.85 29.92	133.09
23 21 13 23-2419	EA		8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	556.61 69.82 34.91	155.28
23 21 13 23-2420	EA		10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	712.12 104.11 52.05	231.53
<b>23 21 13 23-2421</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Tees (23 21 13 23-2381)</b>		
23 21 13 23-2422	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	43.94 10.61 5.30	23.60
23 21 13 23-2423	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	54.04 13.52 6.76	30.02
23 21 13 23-2424	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	70.67 17.83 8.91	39.66
23 21 13 23-2425	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	106.54 22.64 11.32	50.41
23 21 13 23-2426	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	121.16 27.03 13.52	60.04
23 21 13 23-2427	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	150.60 33.52 16.76	74.58

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2428	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	189.29 44.10 22.05	98.03
23 21	13 23-2429	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	227.34 52.37 26.18	116.47
23 21	13 23-2430	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	293.93 69.82 34.91	155.28
23 21	13 23-2431	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	509.38 90.10 45.05	200.25
23 21	13 23-2432	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	857.29 111.72 55.86	248.43
23 21	13 23-2433	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,983.50 166.96 83.48	371.18
<b>23 21 13 23-2434 Schedule 80 Polyvinyl Chloride (PVC) Crosses (23 21 13 23-2381)</b>					
23 21	13 23-2435	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	57.63 13.26 6.63	29.47
23 21	13 23-2436	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	70.40 16.89 8.45	37.56
23 21	13 23-2437	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	91.90 22.28 11.14	49.58
23 21	13 23-2438	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	143.03 28.31 14.15	62.98
23 21	13 23-2439	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	161.29 33.78 16.89	75.13
23 21	13 23-2440	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	200.59 41.89 20.95	93.14
23 21	13 23-2441	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	250.05 55.12 27.56	122.61
23 21	13 23-2442	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	300.95 65.46 32.73	145.51
23 21	13 23-2443	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	386.86 87.28 43.64	194.11
23 21	13 23-2444	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	702.96 112.57 56.28	250.25
23 21	13 23-2445	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	1,225.36 139.57 69.79	310.29
23 21	13 23-2446	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	2,932.90 208.80 104.40	464.18
<b>23 21 13 23-2447 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts (23 21 13 23-2381)</b>					
23 21	13 23-2448	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	31.78 9.01	19.97
23 21	13 23-2449	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.32 11.17	24.86
23 21	13 23-2450	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	60.68 15.81	35.20
23 21	13 23-2451	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	70.34 17.83	39.66
23 21	13 23-2452	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	91.05 22.64	50.41
23 21	13 23-2453	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	138.69 33.52	74.58
23 21	13 23-2454	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	189.86 44.10	98.03
23 21	13 23-2455	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	233.99 52.37	116.47
23 21	13 23-2456	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	265.42 59.85	133.09
23 21	13 23-2457	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	379.09 69.82	155.28
23 21	13 23-2458	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	583.40 81.11	180.28
<b>23 21 13 23-2459 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts (23 21 13 23-2381)</b>					
23 21	13 23-2460	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	23.10 6.76	15.09
23 21	13 23-2461	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	33.28 9.01	19.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13	23-2462	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	42.32 11.17	24.86
23 21	13	23-2463	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	63.01 15.81	35.20
23 21	13	23-2464	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	72.42 17.83	39.66
23 21	13	23-2465	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	91.38 22.64	50.41
23 21	13	23-2466	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	145.35 33.52	74.58
23 21	13	23-2467	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	209.26 44.10	98.03
23 21	13	23-2468	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts <i>For Work In Restricted Working Space, Add</i>	270.29 52.37	116.47
<b>23 21 13 23-2469 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters (23 21 13 23-2381)</b>					
23 21	13	23-2470	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	29.60 6.76	15.09
23 21	13	23-2471	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	37.86 9.01	19.97
23 21	13	23-2472	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	50.89 11.17	24.86
23 21	13	23-2473	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	68.68 15.81	35.20
23 21	13	23-2474	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	82.41 17.83	39.66
23 21	13	23-2475	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	105.45 22.64	50.41
23 21	13	23-2476	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	145.85 33.52	74.58
23 21	13	23-2477	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	184.87 44.10	98.03
23 21	13	23-2478	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters <i>For Work In Restricted Working Space, Add</i>	241.90 52.37	116.47
<b>23 21 13 23-2479 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters (23 21 13 23-2381)</b>					
23 21	13	23-2480	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	27.68 6.76	15.09
23 21	13	23-2481	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	37.69 9.01	19.97
23 21	13	23-2482	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	48.56 11.17	24.86
23 21	13	23-2483	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	71.09 15.81	35.20
23 21	13	23-2484	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	81.99 17.83	39.66
23 21	13	23-2485	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	114.77 22.64	50.41
23 21	13	23-2486	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	173.83 33.52	74.58
23 21	13	23-2487	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	216.92 44.10	98.03
23 21	13	23-2488	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters <i>For Work In Restricted Working Space, Add</i>	294.76 52.37	116.47
<b>23 21 13 23-2489 Schedule 80 Polyvinyl Chloride (PVC) Couplings (23 21 13 23-2381)</b>					
23 21	13	23-2490	EA 1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	28.01 6.76 3.38	15.09
23 21	13	23-2491	EA 3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	37.44 9.01 4.50	19.97
23 21	13	23-2492	EA 1" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.90 11.17 5.59	24.86
23 21	13	23-2493	EA 1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	64.43 15.81 7.90	35.20
23 21	13	23-2494	EA 1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	72.08 17.83 8.91	39.66
23 21	13	23-2495	EA 2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	88.97 22.64 11.32	50.41
23 21	13	23-2496	EA 2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	145.10 33.52 16.76	74.58
23 21	13	23-2497	EA 3" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	185.37 44.10 22.05	98.03
23 21	13	23-2498	EA 4" Schedule 80 Polyvinyl Chloride (PVC) Couplings <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	222.67 52.37 26.18	116.47

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2499	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	302.97 59.85 29.92	133.09
23 21	13 23-2500	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	373.60 69.82 34.91	155.28
23 21	13 23-2501	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	665.72 74.84 37.42	166.46
<b>23 21</b>	<b>13 23-2502</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) Unions</b> (23 21 13 23-2381)		
23 21	13 23-2503	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	49.56 11.17	24.86
23 21	13 23-2504	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	59.29 13.52	30.02
23 21	13 23-2505	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	75.66 17.83	39.66
23 21	13 23-2506	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	116.11 22.64	50.41
23 21	13 23-2507	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	142.38 27.03	60.04
23 21	13 23-2508	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	182.57 33.52	74.58
23 21	13 23-2509	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	278.90 44.10	98.03
23 21	13 23-2510	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	344.58 52.37	116.47
23 21	13 23-2511	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	438.62 69.82	155.28
23 21	13 23-2512	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	575.50 90.06	200.25
23 21	13 23-2513	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	826.40 111.66	248.29
23 21	13 23-2514	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions ..... <i>For Work In Restricted Working Space, Add</i>	1,210.10 138.43	307.78
<b>23 21</b>	<b>13 23-2515</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) Threaded</b> (23 21 13 23-2381)		
23 21	13 23-2516	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	54.17	31.03
23 21	13 23-2517	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	64.43	35.89
23 21	13 23-2518	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	77.82	42.31
23 21	13 23-2519	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	102.75	50.41
23 21	13 23-2520	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	123.70	60.04
23 21	13 23-2521	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	163.03	74.58
23 21	13 23-2522	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	346.72	144.53
23 21	13 23-2523	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union.....	376.70	160.31
<b>23 21</b>	<b>13 23-2524</b>		<b>Schedule 80 Polyvinyl Chloride (PVC) Caps</b> (23 21 13 23-2381)		
23 21	13 23-2525	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	17.87 3.04 1.52	6.71
23 21	13 23-2526	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	21.67 4.05 2.03	8.93
23 21	13 23-2527	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	31.25 5.03 2.51	11.03
23 21	13 23-2528	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	41.19 7.11 3.56	15.64
23 21	13 23-2529	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	44.22 8.02 4.01	17.60
23 21	13 23-2530	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	60.18 10.19 5.09	22.48
23 21	13 23-2531	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	104.13 15.08 7.54	33.24
23 21	13 23-2532	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	132.00 19.85 9.92	43.71
23 21	13 23-2533	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	184.45 23.57 11.78	51.80
23 21	13 23-2534	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	352.86 26.93 13.47	59.21
23 21	13 23-2535	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	466.14 31.42 15.71	69.12
23 21	13 23-2536	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps ..... <i>For Work In Restricted Working Space, Add</i> <i>For Threaded Fittings, Add</i>	821.61 46.85 23.43	103.05



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2537			<b>Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges</b> (23 21 13 23-2381)		
23 21 13 23-2538	EA		1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 61.13		24.86
			For Work In Restricted Working Space, Add	11.17	
			For Threaded Fittings, Add	5.59	
23 21 13 23-2539	EA		3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 70.69		30.02
			For Work In Restricted Working Space, Add	13.52	
			For Threaded Fittings, Add	6.76	
23 21 13 23-2540	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 87.99		39.66
			For Work In Restricted Working Space, Add	17.83	
			For Threaded Fittings, Add	8.91	
23 21 13 23-2541	EA		1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 104.87		50.41
			For Work In Restricted Working Space, Add	22.64	
			For Threaded Fittings, Add	11.32	
23 21 13 23-2542	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 120.15		60.04
			For Work In Restricted Working Space, Add	27.03	
			For Threaded Fittings, Add	13.52	
23 21 13 23-2543	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 151.68		74.58
			For Work In Restricted Working Space, Add	33.52	
			For Threaded Fittings, Add	16.76	
23 21 13 23-2544	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 208.68		98.03
			For Work In Restricted Working Space, Add	44.10	
			For Threaded Fittings, Add	22.05	
23 21 13 23-2545	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 242.65		116.47
			For Work In Restricted Working Space, Add	52.37	
			For Threaded Fittings, Add	26.18	
23 21 13 23-2546	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 318.99		155.28
			For Work In Restricted Working Space, Add	69.82	
			For Threaded Fittings, Add	34.91	
23 21 13 23-2547	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 435.81		200.25
			For Work In Restricted Working Space, Add	90.06	
			For Threaded Fittings, Add	45.03	
23 21 13 23-2548	EA		8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 678.14		248.29
			For Work In Restricted Working Space, Add	111.66	
			For Threaded Fittings, Add	55.83	
23 21 13 23-2549	EA		10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges ..... 1,150.99		307.78
			For Work In Restricted Working Space, Add	138.43	
			For Threaded Fittings, Add	69.21	
23 21 13 23-2550			<b>Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe</b> (23 21 13 23-2218)		
			Note: In place pipe.		
23 21 13 23-2551	EA		1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 7.58		
			For Work In Restricted Working Space, Add	2.27	
23 21 13 23-2552	EA		3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 8.18		
			For Work In Restricted Working Space, Add	2.45	
23 21 13 23-2553	EA		1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 9.21		
			For Work In Restricted Working Space, Add	2.76	
23 21 13 23-2554	EA		1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 9.67		
			For Work In Restricted Working Space, Add	2.90	
23 21 13 23-2555	EA		1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 10.23		
			For Work In Restricted Working Space, Add	3.07	
23 21 13 23-2556	EA		2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 11.26		
			For Work In Restricted Working Space, Add	3.38	
23 21 13 23-2557	EA		2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 12.14		
			For Work In Restricted Working Space, Add	3.64	
23 21 13 23-2558	EA		3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 14.33		
			For Work In Restricted Working Space, Add	4.30	
23 21 13 23-2559	EA		4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 19.33		
			For Work In Restricted Working Space, Add	5.80	
23 21 13 23-2560	EA		6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 27.63		
			For Work In Restricted Working Space, Add	8.29	
23 21 13 23-2561	EA		8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 36.85		
			For Work In Restricted Working Space, Add	11.06	
23 21 13 23-2562	EA		10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe ..... 45.04		
			For Work In Restricted Working Space, Add	13.51	
23 21 13 23-2563			<b>Polyethylene Pipe And Fittings</b> (23 21 13 23)		
23 21 13 23-2564			<b>Small Diameter Tubing</b> (23 21 13 23-2563)		
23 21 13 23-2565			<b>Tubing</b> (23 21 13 23-2564)		
23 21 13 23-2566	LF		1/4" Polyethylene Tubing ..... 4.51		
			For Work In Restricted Working Space, Add	1.26	
23 21 13 23-2567	LF		5/16" Polyethylene Tubing ..... 4.85		
			For Work In Restricted Working Space, Add	1.29	
23 21 13 23-2568	LF		3/8" Polyethylene Tubing ..... 5.10		
			For Work In Restricted Working Space, Add	1.31	
23 21 13 23-2569	LF		1/2" Polyethylene Tubing ..... 5.29		
			For Work In Restricted Working Space, Add	1.43	
23 21 13 23-2570			<b>Chrome Plated Pipe</b> (23 21 13 23)		
23 21 13 23-2571			<b>Chrome Plated Nipples</b> (23 21 13 23-2570)		
23 21 13 23-2572			<b>Close</b> (23 21 13 23-2571)		
23 21 13 23-2573	EA		1/4" Diameter Chrome Plated Nipple, Close ..... 25.05		12.14
23 21 13 23-2574	EA		3/8" Diameter Chrome Plated Nipple, Close ..... 24.61		13.19

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 21 13 23-2575	EA	1/2" Diameter Chrome Plated Nipple, Close	30.09	15.16
23 21 13 23-2576	EA	3/4" Diameter Chrome Plated Nipple, Close	39.18	19.26
23 21 13 23-2577	EA	1" Diameter Chrome Plated Nipple, Close	52.29	25.32
23 21 13 23-2578	EA	1-1/4" Diameter Chrome Plated Nipple, Close	73.88	35.33
23 21 13 23-2579	EA	1-1/2" Diameter Chrome Plated Nipple, Close	89.44	41.39
23 21 13 23-2580	EA	2" Diameter Chrome Plated Nipple, Close	114.50	51.55
<b>23 21 13 23-2581</b>		<b>1-1/2" Nipples (23 21 13 23-2571)</b>		
23 21 13 23-2582	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	26.62	12.59
23 21 13 23-2583	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	25.88	13.65
23 21 13 23-2584	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	30.89	15.62
23 21 13 23-2585	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	40.51	19.71
<b>23 21 13 23-2586</b>		<b>2" Nipples (23 21 13 23-2571)</b>		
23 21 13 23-2587	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	27.69	13.19
23 21 13 23-2588	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	26.79	14.10
23 21 13 23-2589	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	32.98	16.23
23 21 13 23-2590	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	42.31	20.17
23 21 13 23-2591	EA	1" Diameter, 2" Length, Chrome Plated Nipple	55.12	26.24
23 21 13 23-2592	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	78.24	36.40
23 21 13 23-2593	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	94.41	42.45
<b>23 21 13 23-2594</b>		<b>2-1/2" Nipples (23 21 13 23-2571)</b>		
23 21 13 23-2595	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	29.18	13.65
23 21 13 23-2596	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	27.76	14.71
23 21 13 23-2597	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	34.32	16.68
23 21 13 23-2598	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	43.34	20.77
23 21 13 23-2599	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	56.59	26.84
23 21 13 23-2600	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	82.24	36.85
23 21 13 23-2601	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	99.69	42.92
23 21 13 23-2602	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	126.16	53.08
<b>23 21 13 23-2603</b>		<b>3" Nipples (23 21 13 23-2571)</b>		
23 21 13 23-2604	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	30.37	14.10
23 21 13 23-2605	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	29.25	15.16
23 21 13 23-2606	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	33.76	16.23
23 21 13 23-2607	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	46.32	21.23
23 21 13 23-2608	EA	1" Diameter, 3" Length, Chrome Plated Nipple	62.43	27.29
23 21 13 23-2609	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	86.61	37.45
23 21 13 23-2610	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	111.83	43.52
23 21 13 23-2611	EA	2" Diameter, 3" Length, Chrome Plated Nipple	135.70	53.68
<b>23 21 13 23-2612</b>		<b>3-1/2" Nipples (23 21 13 23-2571)</b>		
23 21 13 23-2613	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	31.69	14.71
23 21 13 23-2614	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	31.67	15.62
23 21 13 23-2615	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	37.14	17.74
23 21 13 23-2616	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	50.61	21.68
23 21 13 23-2617	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	64.83	27.75
23 21 13 23-2618	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	94.93	37.91
23 21 13 23-2619	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	115.59	43.97
23 21 13 23-2620	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	143.36	54.13
<b>23 21 13 23-2621</b>		<b>4" Nipples (23 21 13 23-2571)</b>		
23 21 13 23-2622	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	33.01	15.16
23 21 13 23-2623	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	32.50	16.23
23 21 13 23-2624	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	37.22	17.13
23 21 13 23-2625	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	52.44	22.29
23 21 13 23-2626	EA	1" Diameter, 4" Length, Chrome Plated Nipple	67.11	28.35
23 21 13 23-2627	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	101.35	38.36
23 21 13 23-2628	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	123.17	44.43
23 21 13 23-2629	EA	2" Diameter, 4" Length, Chrome Plated Nipple	152.64	54.59
<b>23 21 13 23-2630</b>		<b>4-1/2" Nipples (23 21 13 23-2571)</b>		
23 21 13 23-2631	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	34.21	15.62
23 21 13 23-2632	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	34.92	16.68
23 21 13 23-2633	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	40.75	18.65
23 21 13 23-2634	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	54.50	22.75
23 21 13 23-2635	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	74.48	28.81
23 21 13 23-2636	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	107.48	38.97
23 21 13 23-2637	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	126.63	45.03
23 21 13 23-2638	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	161.20	55.19
<b>23 21 13 23-2639</b>		<b>5" Nipples (23 21 13 23-2571)</b>		
23 21 13 23-2640	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	37.81	16.23
23 21 13 23-2641	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	36.52	17.13
23 21 13 23-2642	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	42.15	19.26

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2643	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple.....	56.48	23.20
23 21	13 23-2644	EA	1" Diameter, 5" Length, Chrome Plated Nipple.....	79.04	29.27
23 21	13 23-2645	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple.....	113.10	39.43
23 21	13 23-2646	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple.....	134.23	45.49
23 21	13 23-2647	EA	2" Diameter, 5" Length, Chrome Plated Nipple.....	166.81	55.65
<b>23 21</b>	<b>13 23-2648</b>		<b>5-1/2" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2649	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	39.03	16.68
23 21	13 23-2650	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	37.79	17.74
23 21	13 23-2651	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	45.74	19.71
23 21	13 23-2652	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	58.46	23.81
23 21	13 23-2653	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	81.53	29.87
23 21	13 23-2654	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	119.85	39.88
23 21	13 23-2655	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	140.30	45.95
23 21	13 23-2656	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple.....	173.90	56.11
<b>23 21</b>	<b>13 23-2657</b>		<b>6" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2658	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple.....	40.45	17.13
23 21	13 23-2659	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple.....	38.61	18.19
23 21	13 23-2660	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple.....	47.04	20.17
23 21	13 23-2661	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple.....	60.11	24.26
23 21	13 23-2662	EA	1" Diameter, 6" Length, Chrome Plated Nipple.....	88.69	30.33
23 21	13 23-2663	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple.....	124.08	40.49
23 21	13 23-2664	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple.....	149.57	46.55
23 21	13 23-2665	EA	2" Diameter, 6" Length, Chrome Plated Nipple.....	180.39	56.71
<b>23 21</b>	<b>13 23-2666</b>		<b>8" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2667	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple.....	45.17	19.26
23 21	13 23-2668	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple.....	64.25	21.23
23 21	13 23-2669	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple.....	77.94	25.32
23 21	13 23-2670	EA	1" Diameter, 8" Length, Chrome Plated Nipple.....	102.80	31.39
23 21	13 23-2671	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple.....	146.26	41.39
23 21	13 23-2672	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple.....	178.47	47.46
23 21	13 23-2673	EA	2" Diameter, 8" Length, Chrome Plated Nipple.....	219.58	57.62
<b>23 21</b>	<b>13 23-2674</b>		<b>10" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2675	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple.....	51.09	19.26
23 21	13 23-2676	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple.....	71.71	21.23
23 21	13 23-2677	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple.....	86.56	25.32
23 21	13 23-2678	EA	1" Diameter, 10" Length, Chrome Plated Nipple.....	115.85	31.39
23 21	13 23-2679	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple.....	174.19	41.39
23 21	13 23-2680	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple.....	199.74	47.46
23 21	13 23-2681	EA	2" Diameter, 10" Length, Chrome Plated Nipple.....	253.59	57.62
<b>23 21</b>	<b>13 23-2682</b>		<b>12" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2683	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple.....	56.93	21.23
23 21	13 23-2684	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple.....	75.06	22.29
23 21	13 23-2685	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple.....	95.04	26.24
23 21	13 23-2686	EA	1" Diameter, 12" Length, Chrome Plated Nipple.....	134.80	33.36
23 21	13 23-2687	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple.....	194.39	43.52
23 21	13 23-2688	EA	2" Diameter, 12" Length, Chrome Plated Nipple.....	283.89	59.75
<b>23 21</b>	<b>13 23-2689</b>		<b>18" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2690	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple.....	70.91	22.29
<b>23 21</b>	<b>13 23-2691</b>		<b>24" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2692	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple.....	84.31	23.20
<b>23 21</b>	<b>13 23-2693</b>		<b>30" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2694	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple.....	92.99	24.26
<b>23 21</b>	<b>13 23-2695</b>		<b>36" Nipples (23 21 13 23-2571)</b>		
23 21	13 23-2696	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple.....	101.68	25.32
<b>23 21</b>	<b>13 23-2697</b>		<b>Chrome Plated Fittings (23 21 13 23-2570)</b>		
<b>23 21</b>	<b>13 23-2698</b>		<b>Chrome Plated 90 Degree Elbows (23 21 13 23-2697)</b>		
23 21	13 23-2699	EA	1/4" 90 Degree Elbow, Chrome Plated.....	31.17	14.10
23 21	13 23-2700	EA	3/8" 90 Degree Elbow, Chrome Plated.....	32.05	15.16
23 21	13 23-2701	EA	1/2" 90 Degree Elbow, Chrome Plated.....	35.75	16.23
23 21	13 23-2702	EA	3/4" 90 Degree Elbow, Chrome Plated.....	45.83	21.23
23 21	13 23-2703	EA	1" 90 Degree Elbow, Chrome Plated.....	61.71	27.29
23 21	13 23-2704	EA	1-1/4" 90 Degree Elbow, Chrome Plated.....	93.34	37.45

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	13 23-2705	EA	1-1/2" 90 Degree Elbow, Chrome Plated.....	111.62	43.52
23 21	13 23-2706	EA	2" 90 Degree Elbow, Chrome Plated.....	150.77	53.68
<b>23 21</b>	<b>13 23-2707</b>		<b>Chrome Plated Street 90 Degree Elbows (23 21 13 23-2697)</b>		
23 21	13 23-2708	EA	1/4" Street 90 Degree Elbow, Chrome Plated.....	35.34	14.10
23 21	13 23-2709	EA	3/8" Street 90 Degree Elbow, Chrome Plated.....	36.62	15.16
23 21	13 23-2710	EA	1/2" Street 90 Degree Elbow, Chrome Plated.....	38.93	16.23
23 21	13 23-2711	EA	3/4" Street 90 Degree Elbow, Chrome Plated.....	50.52	21.23
23 21	13 23-2712	EA	1" Street 90 Degree Elbow, Chrome Plated.....	70.36	27.29
23 21	13 23-2713	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated.....	102.20	37.45
23 21	13 23-2714	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated.....	124.04	43.52
23 21	13 23-2715	EA	2" Street 90 Degree Elbow, Chrome Plated.....	179.98	53.68
<b>23 21</b>	<b>13 23-2716</b>		<b>Chrome Plated 45 Degree Elbows (23 21 13 23-2697)</b>		
23 21	13 23-2717	EA	1/4" 45 Degree Elbow, Chrome Plated.....	32.09	14.10
23 21	13 23-2718	EA	3/8" 45 Degree Elbow, Chrome Plated.....	33.37	15.16
23 21	13 23-2719	EA	1/2" 45 Degree Elbow, Chrome Plated.....	36.70	16.23
23 21	13 23-2720	EA	3/4" 45 Degree Elbow, Chrome Plated.....	49.41	21.23
23 21	13 23-2721	EA	1" 45 Degree Elbow, Chrome Plated.....	65.72	27.29
23 21	13 23-2722	EA	1-1/4" 45 Degree Elbow, Chrome Plated.....	98.15	37.45
23 21	13 23-2723	EA	1-1/2" 45 Degree Elbow, Chrome Plated.....	118.05	43.52
23 21	13 23-2724	EA	2" 45 Degree Elbow, Chrome Plated.....	168.44	53.68
<b>23 21</b>	<b>13 23-2725</b>		<b>Chrome Plated Street 45 Degree Elbows (23 21 13 23-2697)</b>		
23 21	13 23-2726	EA	1/2" Street 45 Degree Elbow, Chrome Plated.....	42.42	16.23
<b>23 21</b>	<b>13 23-2727</b>		<b>Chrome Plated Couplings (23 21 13 23-2697)</b>		
23 21	13 23-2728	EA	1/4" Coupling, Chrome Plated.....	30.60	14.10
23 21	13 23-2729	EA	3/8" Coupling, Chrome Plated.....	32.12	15.16
23 21	13 23-2730	EA	1/2" Coupling, Chrome Plated.....	35.99	16.23
23 21	13 23-2731	EA	3/4" Coupling, Chrome Plated.....	45.92	21.23
23 21	13 23-2732	EA	1" Coupling, Chrome Plated.....	59.74	27.29
23 21	13 23-2733	EA	1-1/4" Coupling, Chrome Plated.....	86.14	37.45
23 21	13 23-2734	EA	1-1/2" Coupling, Chrome Plated.....	105.59	43.52
23 21	13 23-2735	EA	2" Coupling, Chrome Plated.....	143.40	53.68
<b>23 21</b>	<b>13 23-2736</b>		<b>Chrome Plated Unions (23 21 13 23-2697)</b>		
23 21	13 23-2737	EA	1/4" Union, Chrome Plated.....	46.89	16.23
23 21	13 23-2738	EA	3/8" Union, Chrome Plated.....	48.44	17.13
23 21	13 23-2739	EA	1/2" Union, Chrome Plated.....	58.02	19.26
23 21	13 23-2740	EA	3/4" Union, Chrome Plated.....	72.44	25.32
23 21	13 23-2741	EA	1" Union, Chrome Plated.....	91.74	32.30
23 21	13 23-2742	EA	1-1/4" Union, Chrome Plated.....	145.69	43.52
23 21	13 23-2743	EA	1-1/2" Union, Chrome Plated.....	180.53	51.55
23 21	13 23-2744	EA	2" Union, Chrome Plated.....	234.00	62.77
<b>23 21</b>	<b>13 23-2745</b>		<b>Chrome Plated Caps (23 21 13 23-2697)</b>		
23 21	13 23-2746	EA	1/4" Cap, Chrome Plated.....	19.75	7.13
23 21	13 23-2747	EA	3/8" Cap, Chrome Plated.....	20.51	7.58
23 21	13 23-2748	EA	1/2" Cap, Chrome Plated.....	23.22	8.03
23 21	13 23-2749	EA	3/4" Cap, Chrome Plated.....	29.15	10.61
23 21	13 23-2750	EA	1" Cap, Chrome Plated.....	34.99	13.65
23 21	13 23-2751	EA	1-1/4" Cap, Chrome Plated.....	51.17	18.65
23 21	13 23-2752	EA	1-1/2" Cap, Chrome Plated.....	66.43	21.68
23 21	13 23-2753	EA	2" Cap, Chrome Plated.....	95.95	28.35
<b>23 21</b>	<b>13 23-2754</b>		<b>Chrome Plated Plugs (23 21 13 23-2697)</b>		
23 21	13 23-2755	EA	1/4" Plug, Chrome Plated.....	16.57	7.13
23 21	13 23-2756	EA	3/8" Plug, Chrome Plated.....	17.33	7.58
23 21	13 23-2757	EA	1/2" Plug, Chrome Plated.....	19.88	8.03
23 21	13 23-2758	EA	3/4" Plug, Chrome Plated.....	26.77	10.61
23 21	13 23-2759	EA	1" Plug, Chrome Plated.....	33.18	13.65
23 21	13 23-2760	EA	1-1/4" Plug, Chrome Plated.....	44.90	18.65
23 21	13 23-2761	EA	1-1/2" Plug, Chrome Plated.....	54.96	21.68
23 21	13 23-2762	EA	2" Plug, Chrome Plated.....	76.00	28.35
<b>23 21</b>	<b>13 23-2763</b>		<b>Chrome Plated Tees (23 21 13 23-2697)</b>		
23 21	13 23-2764	EA	1/4" Chrome Plated Tee.....	43.83	21.23
23 21	13 23-2765	EA	3/8" Chrome Plated Tee.....	46.86	23.20
23 21	13 23-2766	EA	1/2" Chrome Plated Tee.....	52.02	25.32
23 21	13 23-2767	EA	3/4" Chrome Plated Tee.....	64.74	31.39
23 21	13 23-2768	EA	1" Chrome Plated Tee.....	90.66	40.49
23 21	13 23-2769	EA	1-1/4" Chrome Plated Tee.....	124.92	55.65
23 21	13 23-2770	EA	1-1/2" Chrome Plated Tee.....	157.75	64.75
23 21	13 23-2771	EA	2" Chrome Plated Tee.....	213.39	79.92

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2772		<b>Chrome Plated Reducing 90 Degree Elbows</b> (23 21 13 23-2697)		
23 21 13 23-2773	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	49.90	25.32
23 21 13 23-2774	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	59.00	31.39
23 21 13 23-2775		<b>Chrome Plated Bell Reducers</b> (23 21 13 23-2697)		
23 21 13 23-2776	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	53.74	25.32
23 21 13 23-2777	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	65.61	31.39
23 21 13 23-2778	EA	1" x 1/2" Bell Reducer, Chrome Plated	83.58	40.49
23 21 13 23-2779		<b>Chrome Plated Reducing Tees</b> (23 21 13 23-2697)		
23 21 13 23-2780	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	70.48	31.39
23 21 13 23-2781		<b>Chrome Plated Bushings</b> (23 21 13 23-2697)		
23 21 13 23-2782	EA	3/8" x 1/4" Bushing, Chrome Plated	16.47	7.13
23 21 13 23-2783	EA	1/2" x 1/4" Bushing, Chrome Plated	17.73	7.58
23 21 13 23-2784	EA	1/2" x 3/8" Bushing, Chrome Plated	18.49	8.03
23 21 13 23-2785	EA	3/4" x 1/2" Bushing, Chrome Plated	23.61	10.61
23 21 13 23-2786	EA	1" x 3/4" Bushing, Chrome Plated	33.79	13.65
23 21 13 23-2787	EA	1-1/4" x 1" Bushing, Chrome Plated	49.02	18.65
<b>23 21 16</b>		<b>Hydronic Piping Specialties</b> (23 21)		
23 21 16 00-0001		<b>Vent Valves</b> (23 21 16)		
23 21 16 00-0002	EA	1/8", 1.5 PSIG Operating Pressure, Non-Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	93.16	22.67
23 21 16 00-0003	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	214.02	24.37
23 21 16 00-0004	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non-Vacuum Main Steam Air Vent Valve (Hoffman 75)	204.43	24.37
23 21 16 00-0005	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	211.14	24.37
23 21 16 00-0006	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	269.86	24.37
23 21 16 00-0007	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	201.80	24.37
23 21 16 00-0008		<b>Threaded Inlet, Drip-Pan Elbow</b> (23 21 16)		
23 21 16 00-0009		<b>Cast Iron, Threaded Inlet, Drip-Pan Elbow</b> (23 21 16 00-0008)		
23 21 16 00-0010	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	321.38	37.94
		<i>For Flanged Inlet, Add</i>	116.35	
23 21 16 00-0011	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	364.99	44.96
		<i>For Flanged Inlet, Add</i>	124.90	
23 21 16 00-0012	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	457.52	51.99
		<i>For Flanged Inlet, Add</i>	168.50	
23 21 16 00-0013	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	674.15	59.02
		<i>For Flanged Inlet, Add</i>	296.47	
23 21 16 00-0014	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	762.99	70.25
		<i>For Flanged Inlet, Add</i>	327.73	
23 21 16 00-0015	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,055.62	88.53
		<i>For Flanged Inlet, Add</i>	478.94	
23 21 16 00-0016	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	2,342.58	116.63
		<i>For Flanged Inlet, Add</i>	1,274.46	
23 21 16 00-0017		<b>Cast Steel, Threaded Inlet, Drip-Pan Elbow</b> (23 21 16 00-0008)		
23 21 16 00-0018	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,376.39	37.94
		<i>For Flanged Inlet, Add</i>	833.75	
23 21 16 00-0019	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,667.03	44.96
		<i>For Flanged Inlet, Add</i>	1,010.29	
23 21 16 00-0020	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,423.93	51.99
		<i>For Flanged Inlet, Add</i>	1,505.66	
23 21 16 00-0021	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	2,452.37	59.02
		<i>For Flanged Inlet, Add</i>	1,505.66	
23 21 16 00-0022	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,584.67	70.25
		<i>For Flanged Inlet, Add</i>	2,246.48	
23 21 16 00-0023	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	3,654.93	88.53
		<i>For Flanged Inlet, Add</i>	2,246.48	
23 21 16 00-0024	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	6,141.54	116.63
		<i>For Flanged Inlet, Add</i>	3,857.75	
23 21 16 00-0025		<b>Y-Type Strainers</b> (23 21 16)		
23 21 16 00-0026		<b>Screwed Ends, 250 LB, Iron Body, Y-Type Strainers</b> (23 21 16 00-0025)		
23 21 16 00-0027	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	91.89	16.93
		<i>For Galvanized Body, Add</i>	21.77	
		<i>For Work In Restricted Working Space, Add</i>	14.51	
23 21 16 00-0028	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	92.65	17.23
		<i>For Galvanized Body, Add</i>	21.77	
		<i>For Work In Restricted Working Space, Add</i>	14.74	
23 21 16 00-0029	EA	3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	118.46	23.27
		<i>For Galvanized Body, Add</i>	25.98	
		<i>For Work In Restricted Working Space, Add</i>	19.95	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0030	EA		1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	149.55 35.11 23.80	27.81
23 21 16 00-0031	EA		1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	194.43 48.10 29.47	34.39
23 21 16 00-0032	EA		1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	221.64 57.93 31.74	37.03
23 21 16 00-0033	EA		2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	299.25 89.17 36.27	42.32
23 21 16 00-0034	EA		2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	552.06 200.46 45.34	52.90
23 21 16 00-0035	EA		3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	712.71 261.90 56.67	66.20
<b>23 21 16 00-0036</b>			<b>Flanged, 125 LB, Iron Body, Y-Type Strainers (23 21 16 00-0025)</b>		
23 21 16 00-0037	EA		1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	459.58 130.36 59.66	158.69
23 21 16 00-0038	EA		2" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	534.03 141.07 75.57	201.46
23 21 16 00-0039	EA		3" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	994.17 336.31 96.47	256.93
23 21 16 00-0040	EA		4" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,303.04 381.64 161.93	430.73
23 21 16 00-0041	EA		5" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,395.52 426.97 162.48	433.94
23 21 16 00-0042	EA		6" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,665.39 530.27 181.46	482.15
23 21 16 00-0043	EA		8" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,854.06 1,044.37 229.60	616.09
23 21 16 00-0044	EA		10" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,592.94 2,327.71 281.26	750.02
23 21 16 00-0045	EA		12" Flanged, 125 LB, Iron Body, Y-Type Strainer..... <i>For Galvanized Body, Add</i> <i>For Work In Restricted Working Space, Add</i>	6,179.91 2,420.30 401.80	669.67
<b>23 21 16 00-0046</b>			<b>Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025)</b> Note: With screwed cap (4" size has bolted cap).		
23 21 16 00-0047	EA		1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	83.22 57.97 14.74	17.23
23 21 16 00-0048	EA		3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	110.83 75.36 19.95	23.27
23 21 16 00-0049	EA		1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	135.18 94.93 23.80	27.81
23 21 16 00-0050	EA		1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	182.13 142.61 29.47	34.39
23 21 16 00-0051	EA		1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	214.75 185.23 31.74	37.03
23 21 16 00-0052	EA		2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	283.15 275.81 36.27	42.32
23 21 16 00-0053	EA		2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	394.55 413.80 45.34	52.90
23 21 16 00-0054	EA		3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	693.58 857.94 56.67	66.20
23 21 16 00-0055	EA		4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,184.49 1,628.24 68.01	79.34
<b>23 21 16 00-0056</b>			<b>Flanged, 150 LB, Bronze Body, Y-Type Strainers (23 21 16 00-0025)</b> Note: With bolted cap.		
23 21 16 00-0057	EA		2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	675.53 254.18 75.57	201.46
23 21 16 00-0058	EA		2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	706.41 258.97 82.44	219.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0059	EA		3" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	815.81 296.55 96.47	256.93
23 21 16 00-0060	EA		4" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,740.70 720.56 161.93	430.73
23 21 16 00-0061	EA		6" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,425.27 1,092.25 181.46	482.15
23 21 16 00-0062	EA		8" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,872.02 1,864.01 229.60	616.09
23 21 16 00-0063	EA		10" Flanged, 150 LB, Bronze Body, Y-Type Strainer..... <i>For 300 LB Rating, Add</i> <i>For Work In Restricted Working Space, Add</i>	12,087.86 6,690.20 281.26	750.02
<b>23 21 16 00-0064</b>			<b>Class 125, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0025)</b> Note: Nibco®		
23 21 16 00-0065	EA		1/2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	186.83 10.24	15.16
23 21 16 00-0066	EA		3/4" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	216.34 11.66	16.68
23 21 16 00-0067	EA		1" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	306.97 13.93	18.96
23 21 16 00-0068	EA		1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	410.32 15.35	20.17
23 21 16 00-0069	EA		1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	493.48 17.06	23.35
23 21 16 00-0070	EA		2" Class 125, Crimped Bronze Body, Y-Type Strainer..... <i>For Work In Restricted Working Space, Add</i>	728.98 20.47	27.60
<b>23 21 16 00-0071</b>			<b>250 PSI, Crimped Bronze Body, Y-Type Strainers (23 21 16 00-0025)</b>		
23 21 16 00-0072	EA		1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	83.48	15.16
23 21 16 00-0073	EA		3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	101.08	16.68
23 21 16 00-0074	EA		1" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	145.14	18.96
23 21 16 00-0075	EA		1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	175.82	20.17
23 21 16 00-0076	EA		1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	208.61	23.35
23 21 16 00-0077	EA		2" 250 PSI, Crimped Bronze Body, Y-Type Strainer.....	272.10	27.60
<b>23 21 16 00-0078</b>			<b>Cast Iron Body, Suction Diffusers (23 21 16)</b> Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.		
23 21 16 00-0079	EA		2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	561.08 29.15	59.55
23 21 16 00-0080	EA		2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	590.40 32.39	66.05
23 21 16 00-0081	EA		2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	600.48 34.02	69.37
23 21 16 00-0082	EA		2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,146.91 82.44	219.14
23 21 16 00-0083	EA		3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	623.43 39.51	80.70
23 21 16 00-0084	EA		3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	702.29 39.51	80.70
23 21 16 00-0085	EA		3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,202.77 89.45	238.54
23 21 16 00-0086	EA		3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,230.80 96.47	256.93
23 21 16 00-0087	EA		4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,502.26 129.20	344.53
23 21 16 00-0088	EA		4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	1,773.72 161.93	430.73
23 21 16 00-0089	EA		6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,016.78 162.48	433.27
23 21 16 00-0090	EA		6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,427.96 181.46	482.15
23 21 16 00-0091	EA		8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	2,760.08 229.60	616.09
23 21 16 00-0092	EA		8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,193.52 229.60	616.09
23 21 16 00-0093	EA		10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	4,801.78 281.26	750.02
23 21 16 00-0094	EA		10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser..... <i>For Work In Restricted Working Space, Add</i>	5,585.77 281.26	750.02
<b>23 21 16 00-0095</b>			<b>Duplex Strainers (23 21 16)</b>		
<b>23 21 16 00-0096</b>			<b>Iron Body, Duplex Strainers (23 21 16 00-0095)</b>		
<b>23 21 16 00-0097</b>			<b>Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0096)</b> Note: With brass or stainless steel basket.		
23 21 16 00-0098	EA		3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	944.92 22.59	37.63
23 21 16 00-0099	EA		1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,055.46 25.86	43.07

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16 00-0100	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,428.26 30.36	50.63
23 21	16 00-0101	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,795.20 33.10	55.16
23 21	16 00-0102	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,404.08 40.48	67.25
23 21	16 00-0103	EA	2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,025.65 51.67	86.15
<b>23 21 16 00-0104 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers (23 21 16 00-0096)</b>					
Note: With brass or stainless steel basket.					
23 21	16 00-0105	EA	2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,286.47 75.57	201.46
23 21	16 00-0106	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,399.96 82.44	219.14
23 21	16 00-0107	EA	3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,352.57 96.47	256.93
23 21	16 00-0108	EA	4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,819.25 143.50	381.71
23 21	16 00-0109	EA	6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	13,286.68 181.46	482.15
23 21	16 00-0110	EA	8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	25,223.15 229.60	616.09
23 21	16 00-0111	EA	10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	34,816.13 281.26	750.02
23 21	16 00-0112	EA	12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	39,574.86 567.51	945.56
23 21	16 00-0113	EA	14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	46,993.91 401.80	1,071.46
23 21	16 00-0114	EA	16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	58,722.65 441.98	1,178.60
<b>23 21 16 00-0115 Bronze Body, Duplex Strainers (23 21 16 00-0095)</b>					
<b>23 21 16 00-0116 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers (23 21 16 00-0115)</b>					
Note: With brass or stainless steel basket.					
23 21	16 00-0117	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,751.12 22.59	37.78
23 21	16 00-0118	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	1,943.19 25.86	43.07
23 21	16 00-0119	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,841.38 30.36	50.63
23 21	16 00-0120	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,733.71 33.10	55.16
23 21	16 00-0121	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	4,822.69 40.48	67.25
23 21	16 00-0122	EA	2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	5,924.36 51.67	86.15
<b>23 21 16 00-0123 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers (23 21 16 00-0115)</b>					
Note: With brass or stainless steel basket.					
23 21	16 00-0124	EA	2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,773.97 75.57	201.46
23 21	16 00-0125	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,978.04 82.44	219.14
23 21	16 00-0126	EA	3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,561.18 96.47	256.93
23 21	16 00-0127	EA	4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	15,062.43 143.50	381.71
23 21	16 00-0128	EA	6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	32,671.76 181.46	482.15
<b>23 21 16 00-0129 Cast Steel Body, Duplex Strainers (23 21 16 00-0095)</b>					
<b>23 21 16 00-0130 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129)</b>					
Note: With brass or stainless steel basket.					
23 21	16 00-0131	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	2,723.84 25.87	43.07
23 21	16 00-0132	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,354.23 30.35	50.63
23 21	16 00-0133	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	3,978.84 33.11	55.16
23 21	16 00-0134	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,728.96 40.48	67.25
<b>23 21 16 00-0135 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers (23 21 16 00-0129)</b>					
Note: With brass or stainless steel basket.					
23 21	16 00-0136	EA	2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,889.87 75.57	201.46
23 21	16 00-0137	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	7,572.17 82.44	219.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0138	EA		3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,948.83 96.47	256.93
23 21 16 00-0139	EA		4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	14,589.53 143.50	381.71
23 21 16 00-0140	EA		6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	24,870.84 181.46	482.15
23 21 16 00-0141	EA		8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	48,418.11 229.60	616.09
23 21 16 00-0142			<b>Stainless Steel Body, Duplex Strainers</b> (23 21 16 00-0095)		
23 21 16 00-0143			<b>Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> (23 21 16 00-0142) Note: With stainless steel basket.		
23 21 16 00-0144	EA		1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	6,510.12 25.87	43.07
23 21 16 00-0145	EA		1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	8,226.21 30.35	50.63
23 21 16 00-0146	EA		1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	9,924.62 33.11	55.16
23 21 16 00-0147	EA		2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	15,897.26 40.48	67.25
23 21 16 00-0148			<b>Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers</b> (23 21 16 00-0142) Note: With stainless steel basket.		
23 21 16 00-0149	EA		2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	16,668.49 75.57	201.46
23 21 16 00-0150	EA		2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	17,524.12 82.44	219.14
23 21 16 00-0151	EA		3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	27,444.64 96.47	256.93
23 21 16 00-0152	EA		4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	33,549.45 143.50	381.71
23 21 16 00-0153	EA		6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	58,895.68 181.46	482.15
23 21 16 00-0154	EA		8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer <i>For Work In Restricted Working Space, Add</i>	108,781.80 229.60	616.09
23 21 16 00-0155			<b>Pressure Regulating Valve</b> (23 21 16)		
23 21 16 00-0156			<b>Screwed Ends, Iron Body, Water Pressure Reducing Valves</b> (23 21 16 00-0155) Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0157	EA		1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	245.73 22.74	18.96
23 21 16 00-0158	EA		3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	300.81 25.27	21.23
23 21 16 00-0159	EA		1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	391.14 26.76	22.75
23 21 16 00-0160	EA		1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	659.21 30.33	25.48
23 21 16 00-0161	EA		1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	891.22 36.39	30.33
23 21 16 00-0162	EA		2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,279.89 55.86	46.50
23 21 16 00-0163	EA		2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,393.81 62.84	52.37
23 21 16 00-0164	EA		3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve <i>For Work In Restricted Working Space, Add</i>	1,532.07 69.82	151.51
23 21 16 00-0165			<b>Cast Iron Body, Steam Pressure Regulator And Reducer</b> (23 21 16 00-0155) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0166			<b>Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer</b> (23 21 16 00-0165)		
23 21 16 00-0167	EA		1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	407.45 30.43	25.39
23 21 16 00-0168	EA		3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	514.14 43.18	35.97
23 21 16 00-0169	EA		1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	658.71 52.72	43.82
23 21 16 00-0170	EA		1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	874.23 61.27	53.20
23 21 16 00-0171	EA		1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,163.95 69.76	60.45
23 21 16 00-0172	EA		2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	1,362.56 84.31	84.31
23 21 16 00-0173			<b>Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer</b> (23 21 16 00-0165) Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0174	EA		2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer <i>For Work In Restricted Working Space, Add</i>	3,051.23 76.65	203.75

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 21 16 00-0175	EA 3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	3,789.71 89.69	238.87
23 21 16 00-0176	EA 4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	4,901.43 150.55	400.47
23 21 16 00-0177	EA 6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer ..... <i>For Work In Restricted Working Space, Add</i>	12,068.64 183.06	486.43
23 21 16 00-0178	Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0155)</small>		
23 21 16 00-0179	Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0178)</small>		
23 21 16 00-0180	EA 1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,190.18 27.66	18.43
23 21 16 00-0181	EA 3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,235.68 27.66	18.43
23 21 16 00-0182	EA 1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,386.25 34.91	23.27
23 21 16 00-0183	EA 1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	2,807.25 44.43	29.63
23 21 16 00-0184	EA 1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	3,214.14 51.23	34.15
23 21 16 00-0185	EA 2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	3,982.46 60.30	40.20
23 21 16 00-0186	Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves <small>(23 21 16 00-0178)</small>		
23 21 16 00-0187	EA 2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	4,921.63 76.65	203.75
23 21 16 00-0188	EA 3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	6,067.19 89.69	238.87
23 21 16 00-0189	EA 4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	9,202.20 150.55	400.47
23 21 16 00-0190	EA 6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve ..... <i>For Work In Restricted Working Space, Add</i>	20,129.14 183.06	486.43
23 21 16 00-0191	Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves <small>(23 21 16 00-0155)</small>		
23 21 16 00-0192	EA 1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve ..... 273.67	273.67	19.71
23 21 16 00-0193	EA 3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve ..... 336.42	336.42	21.83
23 21 16 00-0194	EA 1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve ..... 440.79	440.79	23.20
23 21 16 00-0195	EA 1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve ..... 750.98	750.98	26.39
23 21 16 00-0196	EA 1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve ..... 1,017.77	1,017.77	31.54
23 21 16 00-0197	EA 2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve ..... 1,459.72	1,459.72	48.32
23 21 16 00-0198	EA 2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve ..... 1,581.56	1,581.56	52.64
23 21 16 00-0199	EA 3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve ..... 1,745.72	1,745.72	60.61
23 21 16 00-0200	Screwed Ends, Bronze Body, Water Pressure Reducing Valves <small>(23 21 16 00-0155)</small> Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0201	EA 1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve ..... 226.71	226.71	18.96
23 21 16 00-0202	EA 3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve ..... 249.30	249.30	21.23
23 21 16 00-0203	EA 1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve ..... 307.37	307.37	23.50
23 21 16 00-0204	EA 1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve ..... 711.27	711.27	25.48
23 21 16 00-0205	EA 1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve ..... 772.75	772.75	30.33
23 21 16 00-0206	EA 2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve ..... 1,213.61	1,213.61	46.50
23 21 16 00-0207	Dual Unit Reducing And Relief Valve <small>(23 21 16)</small>		
23 21 16 00-0208	EA 1/2" Dual Unit Reducing And Relief Valve ..... 256.69	256.69	46.09
23 21 16 00-0209	Safety Relief Valve <small>(23 21 16)</small> Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0210	Threaded Inlet, Bronze Body Safety Valves <small>(23 21 16 00-0209)</small> Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0211	EA 1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve ..... 101.93	101.93	18.96
23 21 16 00-0212	EA 3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve ..... 138.40	138.40	20.85
23 21 16 00-0213	EA 1" x 1" Threaded Inlet, Bronze Body Safety Valve ..... 197.46	197.46	25.40
23 21 16 00-0214	EA 1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve ..... 252.23	252.23	26.91
23 21 16 00-0215	EA 1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve ..... 346.76	346.76	36.01
23 21 16 00-0216	EA 2" x 2" Threaded Inlet, Bronze Body Safety Valve ..... 462.11	462.11	42.45
23 21 16 00-0217	EA 2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve ..... 526.56	526.56	53.08
23 21 16 00-0218	Threaded, Bronze Body, Temperature And Pressure Relief Valves <small>(23 21 16)</small>		
23 21 16 00-0219	EA 1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve ..... 111.54 <i>For Cast Iron Body, Add</i>	111.54 60.44	38.66
23 21 16 00-0220	EA 3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve ..... 143.16 <i>For Cast Iron Body, Add</i>	143.16 84.19	46.40
23 21 16 00-0221	EA 1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve ..... 208.36 <i>For Cast Iron Body, Add</i>	208.36 134.09	61.86



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21	16	00-0222	EA 1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	336.29 284.98	66.27
23 21	16	00-0223	EA 1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	557.38 545.14	74.30
23 21	16	00-0224	EA 2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve <i>For Cast Iron Body, Add</i>	649.43 593.60	106.83
<b>23 21 16 00-0225 Thermostatic Radiator Valves (23 21 16)</b>					
Note: For hot water or two pipe low pressure steam.					
23 21	16	00-0226	EA 1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	105.21	24.37
23 21	16	00-0227	EA 3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	129.08	32.85
23 21	16	00-0228	EA 1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	170.55	39.78
23 21	16	00-0229	EA 1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	260.89	50.39
23 21	16	00-0230	EA 1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	105.21	24.37
23 21	16	00-0231	EA 3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	129.08	32.85
23 21	16	00-0232	EA 1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	170.55	39.78
23 21	16	00-0233	EA 1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	260.89	50.39
23 21	16	00-0234	EA Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	105.52	18.89
23 21	16	00-0235	EA Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	175.78	26.45
<b>23 21 16 00-0236 Radiator Trap Repair Kits (23 21 16)</b>					
Note: For hot water or two pipe low pressure steam.					
23 21	16	00-0237	EA 1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	162.52	
23 21	16	00-0238	EA 3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	202.73	
23 21	16	00-0239	EA 1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	204.09	
23 21	16	00-0240	EA 3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	232.44	
23 21	16	00-0241	EA 1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	539.95	
<b>23 21 16 00-0242 Horizontal Steel Expansion Tanks (23 21 16)</b>					
Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.					
23 21	16	00-0243	EA 10 Gallon Horizontal Steel Expansion Tank	924.57	151.14
23 21	16	00-0244	EA 15 Gallon Horizontal Steel Expansion Tank	1,311.29	188.91
23 21	16	00-0245	EA 30 Gallon Horizontal Steel Expansion Tank	1,721.39	226.70
23 21	16	00-0246	EA 40 Gallon Horizontal Steel Expansion Tank	1,980.99	264.48
23 21	16	00-0247	EA 60 Gallon Horizontal Steel Expansion Tank	2,283.98	267.87
<b>23 21 16 00-0248 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)</b>					
(23 21 16)					
Note: ASME. Precharged with working pressure 125 psi					
23 21	16	00-0249	EA 8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,866.06	113.35
23 21	16	00-0250	EA 11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,932.89	132.24
23 21	16	00-0251	EA 22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,750.41	151.14
23 21	16	00-0252	EA 34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,940.74	170.03
23 21	16	00-0253	EA 44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,726.77	188.91
23 21	16	00-0254	EA 56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,924.37	207.81
23 21	16	00-0255	EA 67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,773.36	226.70
23 21	16	00-0256	EA 77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,159.83	245.59
23 21	16	00-0257	EA 91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,703.71	264.48
23 21	16	00-0258	EA 111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,859.19	302.27
23 21	16	00-0259	EA 132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,193.94	340.05
23 21	16	00-0260	EA 158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,339.81	377.84
23 21	16	00-0261	EA 211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	9,614.51	453.40
<b>23 21 16 00-0262 Diaphragm Type (Residential Style) Steel Expansion Tanks (23 21 16)</b>					
23 21	16	00-0263	EA 2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	111.78	13.97
23 21	16	00-0264	EA 4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	158.01	13.97
<b>23 21 16 00-0265 Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks (23 21 16)</b>					
23 21	16	00-0266	EA 15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,427.21	453.56
23 21	16	00-0267	EA 20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,480.12	453.56
23 21	16	00-0268	EA 30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,533.03	453.56
23 21	16	00-0269	EA 40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,670.57	453.56
23 21	16	00-0270	EA 47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,019.90	604.38
23 21	16	00-0271	EA 60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,336.79	604.68
23 21	16	00-0272	EA 80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,399.63	604.68
23 21	16	00-0273	EA 87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,462.48	604.68
23 21	16	00-0274	EA 120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	3,128.06	755.67
23 21	16	00-0275	EA 187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	8,456.23	755.67
23 21	16	00-0276	EA 264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	10,734.58	906.50
<b>23 21 16 00-0277 ASME Construction Compression Tanks (23 21 16)</b>					
Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.					
23 21	16	00-0278	EA 15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank <i>For Galvanized Steel Tanks, Add</i>	1,276.41 436.70	265.99
23 21	16	00-0279	EA 24 Gallon, 13" x 51" ASME Construction Compression Tank <i>For Galvanized Steel Tanks, Add</i>	1,301.87 443.13	273.55
23 21	16	00-0280	EA 30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank <i>For Galvanized Steel Tanks, Add</i>	1,418.23 494.51	282.62

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 21 16 00-0281	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,550.42	293.20
		<i>For Galvanized Steel Tanks, Add</i>	552.29	
23 21 16 00-0282	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	1,804.28	309.82
		<i>For Galvanized Steel Tanks, Add</i>	667.89	
23 21 16 00-0283	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	1,874.68	321.91
		<i>For Galvanized Steel Tanks, Add</i>	693.58	
23 21 16 00-0284	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	2,315.62	350.63
		<i>For Galvanized Steel Tanks, Add</i>	892.67	
23 21 16 00-0285	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	2,522.59	376.32
		<i>For Galvanized Steel Tanks, Add</i>	976.14	
23 21 16 00-0286	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	3,133.73	424.69
		<i>For Galvanized Steel Tanks, Add</i>	1,245.31	
23 21 16 00-0287	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	3,973.93	486.65
		<i>For Galvanized Steel Tanks, Add</i>	1,618.35	
23 21 16 00-0288	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	4,755.23	539.54
		<i>For Galvanized Steel Tanks, Add</i>	1,969.15	
23 21 16 00-0289	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	5,199.79	586.40
		<i>For Galvanized Steel Tanks, Add</i>	2,155.39	
23 21 16 00-0290	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	6,557.38	643.83
		<i>For Galvanized Steel Tanks, Add</i>	2,791.16	
23 21 16 00-0291	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	6,768.16	687.65
		<i>For Galvanized Steel Tanks, Add</i>	2,862.93	
23 21 16 00-0292	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	8,704.65	739.04
		<i>For Galvanized Steel Tanks, Add</i>	3,792.57	
23 21 16 00-0293	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	14,455.87	867.50
		<i>For Galvanized Steel Tanks, Add</i>	6,570.84	
<b>23 21 16 00-0294</b>		<b>Compression Tank Air Fittings</b> <sup>(23 21 16)</sup>		
23 21 16 00-0295	EA	9" To 24" Diameter Compression Tank Air Fittings	476.61	42.32
23 21 16 00-0296	EA	>100 Gallon Compression Tank Air Fittings	1,640.68	49.88
<b>23 21 16 00-0297</b>		<b>Vortex Air Separators With Strainer</b> <sup>(23 21 16)</sup>		
		Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0298	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	2,023.98	321.91
		<i>For 300 PSIG, Add</i>	230.47	
23 21 16 00-0299	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	2,505.32	368.77
		<i>For 300 PSIG, Add</i>	291.84	
23 21 16 00-0300	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	3,857.29	433.75
		<i>For 300 PSIG, Add</i>	480.03	
23 21 16 00-0301	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	4,123.51	459.38
		<i>For 300 PSIG, Add</i>	514.12	
23 21 16 00-0302	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	5,319.22	612.52
		<i>For 300 PSIG, Add</i>	658.68	
23 21 16 00-0303	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	6,712.40	728.60
		<i>For 300 PSIG, Add</i>	841.41	
23 21 16 00-0304	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	7,968.61	825.02
		<i>For 300 PSIG, Add</i>	1,007.79	
23 21 16 00-0305	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	11,482.45	989.76
		<i>For 300 PSIG, Add</i>	1,497.36	
23 21 16 00-0306	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	17,723.72	1,125.03
		<i>For 300 PSIG, Add</i>	2,402.87	
23 21 16 00-0307	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	23,915.18	1,455.85
		<i>For 300 PSIG, Add</i>	3,256.38	
<b>23 21 16 00-0308</b>		<b>Vortex Air Separators</b> <sup>(23 21 16)</sup>		
		Note: Without system strainer.		
23 21 16 00-0309	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,723.97	321.91
		<i>For 300 PSIG, Add</i>	185.47	
23 21 16 00-0310	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	2,178.03	368.77
		<i>For 300 PSIG, Add</i>	242.74	
23 21 16 00-0311	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	3,775.46	433.75
		<i>For 300 PSIG, Add</i>	467.75	
23 21 16 00-0312	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	3,405.29	459.38
		<i>For 300 PSIG, Add</i>	406.39	
23 21 16 00-0313	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	4,564.63	612.52
		<i>For 300 PSIG, Add</i>	545.49	
23 21 16 00-0314	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	5,921.44	728.60
		<i>For 300 PSIG, Add</i>	722.77	
23 21 16 00-0315	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	6,895.82	825.02
		<i>For 300 PSIG, Add</i>	846.87	
23 21 16 00-0316	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	9,191.41	989.76
		<i>For 300 PSIG, Add</i>	1,153.70	
23 21 16 00-0317	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	12,823.43	1,125.03
		<i>For 300 PSIG, Add</i>	1,667.82	
23 21 16 00-0318	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	19,797.89	1,455.85
		<i>For 300 PSIG, Add</i>	2,638.79	
<b>23 21 16 00-0319</b>		<b>Grooved, With Strainer, Vortex Air Separators</b> <sup>(23 21 16)</sup>		
23 21 16 00-0320	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	3,620.65	367.51
23 21 16 00-0321	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	5,133.15	489.71
23 21 16 00-0322	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	6,491.77	582.34
23 21 16 00-0323	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	7,718.51	660.02
23 21 16 00-0324	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	11,164.25	792.02
23 21 16 00-0325	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	18,091.90	900.03

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0326	EA		12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G) .....	27,570.47	1,164.81
<b>23 21 16 00-0327</b>			<b>Grooved Vortex Air Separators (23 21 16)</b>		
			Note: Without system strainer.		
23 21 16 00-0328	EA		3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G) .....	2,875.15	367.51
23 21 16 00-0329	EA		4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G) .....	4,378.56	489.71
23 21 16 00-0330	EA		5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G) .....	5,700.81	582.34
23 21 16 00-0331	EA		6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G) .....	6,645.72	660.02
23 21 16 00-0332	EA		8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G) .....	8,891.39	792.02
23 21 16 00-0333	EA		10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G) .....	13,118.88	900.03
23 21 16 00-0334	EA		12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G) .....	21,835.46	1,164.81
<b>23 21 16 00-0335</b>			<b>Swivel Joints (23 21 16)</b>		
<b>23 21 16 00-0336</b>			<b>Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) (23 21 16 00-0335)</b>		
			Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.		
23 21 16 00-0337	EA		1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	378.04	39.75
23 21 16 00-0338	EA		1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	543.65	58.18
23 21 16 00-0339	EA		2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	756.43	68.01
23 21 16 00-0340	EA		3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	1,134.45	116.37
23 21 16 00-0341	EA		3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	1,438.34	160.73
23 21 16 00-0342	EA		4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	1,860.58	430.73
23 21 16 00-0343	EA		6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) .....	3,381.56	544.08
<b>23 21 16 00-0344</b>			<b>Basket Strainers (23 21 16)</b>		
<b>23 21 16 00-0345</b>			<b>Bronze Body Basket Strainers (23 21 16 00-0344)</b>		
<b>23 21 16 00-0346</b>			<b>Screwed Ends, Bronze Body Basket Strainers (23 21 16 00-0345)</b>		
23 21 16 00-0347	EA		1/2" Screwed Ends, Bronze Body Basket Strainer .....	337.16	30.23
			For Work In Restricted Working Space, Add	17.99	
23 21 16 00-0348	EA		3/4" Screwed Ends, Bronze Body Basket Strainer .....	398.39	35.52
			For Work In Restricted Working Space, Add	21.14	
23 21 16 00-0349	EA		1" Screwed Ends, Bronze Body Basket Strainer .....	462.60	42.32
			For Work In Restricted Working Space, Add	25.19	
23 21 16 00-0350	EA		1-1/4" Screwed Ends, Bronze Body Basket Strainer .....	573.71	46.85
			For Work In Restricted Working Space, Add	28.08	
23 21 16 00-0351	EA		1-1/2" Screwed Ends, Bronze Body Basket Strainer .....	676.37	52.90
			For Work In Restricted Working Space, Add	31.71	
23 21 16 00-0352	EA		2" Screwed Ends, Bronze Body Basket Strainer .....	999.70	60.45
			For Work In Restricted Working Space, Add	36.31	
23 21 16 00-0353	EA		2-1/2" Screwed Ends, Bronze Body Basket Strainer .....	1,412.19	80.85
			For Work In Restricted Working Space, Add	48.64	
23 21 16 00-0354	EA		3" Screwed Ends, Bronze Body Basket Strainer .....	1,974.57	86.15
			For Work In Restricted Working Space, Add	51.58	
<b>23 21 16 00-0355</b>			<b>Flanged, Bronze Body Basket Strainers (23 21 16 00-0345)</b>		
23 21 16 00-0356	EA		2" Flanged, Bronze Body Basket Strainer .....	1,583.48	201.46
			For Work In Restricted Working Space, Add	75.57	
23 21 16 00-0357	EA		2-1/2" Flanged, Bronze Body Basket Strainer .....	2,358.23	219.14
			For Work In Restricted Working Space, Add	82.44	
23 21 16 00-0358	EA		3" Flanged, Bronze Body Basket Strainer .....	2,676.76	256.93
			For Work In Restricted Working Space, Add	96.47	
23 21 16 00-0359	EA		4" Flanged, Bronze Body Basket Strainer .....	4,525.48	430.73
			For Work In Restricted Working Space, Add	161.93	
23 21 16 00-0360	EA		6" Flanged, Bronze Body Basket Strainer .....	8,485.70	482.15
			For Work In Restricted Working Space, Add	181.46	
23 21 16 00-0361	EA		8" Flanged, Bronze Body Basket Strainer .....	15,394.73	616.09
			For Work In Restricted Working Space, Add	229.60	
<b>23 21 16 00-0362</b>			<b>Iron Body Basket Strainers (23 21 16 00-0344)</b>		
<b>23 21 16 00-0363</b>			<b>Screwed Ends, Iron Body Basket Strainers (23 21 16 00-0362)</b>		
23 21 16 00-0364	EA		1/2" Screwed Ends, Iron Body Basket Strainer .....	385.24	30.23
			For Work In Restricted Working Space, Add	17.99	
23 21 16 00-0365	EA		3/4" Screwed Ends, Iron Body Basket Strainer .....	434.53	35.52
			For Work In Restricted Working Space, Add	21.14	
23 21 16 00-0366	EA		1" Screwed Ends, Iron Body Basket Strainer .....	513.67	42.32
			For Work In Restricted Working Space, Add	25.19	
23 21 16 00-0367	EA		1-1/4" Screwed Ends, Iron Body Basket Strainer .....	669.54	46.85
			For Work In Restricted Working Space, Add	28.08	
23 21 16 00-0368	EA		1-1/2" Screwed Ends, Iron Body Basket Strainer .....	735.33	52.90
			For Work In Restricted Working Space, Add	31.71	
23 21 16 00-0369	EA		2" Screwed Ends, Iron Body Basket Strainer .....	873.02	60.45
			For Work In Restricted Working Space, Add	36.31	
23 21 16 00-0370	EA		2-1/2" Screwed Ends, Iron Body Basket Strainer .....	1,236.39	80.85
			For Work In Restricted Working Space, Add	48.64	
23 21 16 00-0371	EA		3" Screwed Ends, Iron Body Basket Strainer .....	1,395.42	86.15
			For Work In Restricted Working Space, Add	51.58	
<b>23 21 16 00-0372</b>			<b>Flanged, Iron Body Basket Strainers (23 21 16 00-0362)</b>		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0373	EA		2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,377.24 75.57	201.46
23 21 16 00-0374	EA		2-1/2" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,791.56 82.44	219.14
23 21 16 00-0375	EA		3" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,936.19 96.47	256.93
23 21 16 00-0376	EA		4" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,969.86 161.93	430.73
23 21 16 00-0377	EA		6" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,334.57 181.46	482.15
23 21 16 00-0378	EA		8" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,490.85 229.60	616.09
23 21 16 00-0379	EA		10" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	14,066.58 281.26	750.02
23 21 16 00-0380	EA		12" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	17,466.39 567.28	945.56
23 21 16 00-0381	EA		14" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	20,992.12 401.80	1,071.46
23 21 16 00-0382	EA		16" Flanged, Iron Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	22,023.06 441.98	1,178.60
<b>23 21 16 00-0383</b>			<b>Cast Steel Body Basket Strainers (23 21 16 00-0344)</b>		
<b>23 21 16 00-0384</b>			<b>Screwed Ends, Cast Steel Body Basket Strainers (23 21 16 00-0383)</b>		
23 21 16 00-0385	EA		1" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,998.02 25.19	42.32
23 21 16 00-0386	EA		1-1/4" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,648.41 28.09	46.85
23 21 16 00-0387	EA		1-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,984.87 31.70	52.90
23 21 16 00-0388	EA		2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	4,216.80 36.31	60.45
23 21 16 00-0389	EA		2-1/2" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,920.51 48.63	80.85
23 21 16 00-0390	EA		3" Screwed Ends, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	7,714.69 51.59	86.15
<b>23 21 16 00-0391</b>			<b>Flanged, Cast Steel Body Basket Strainers (23 21 16 00-0383)</b>		
23 21 16 00-0392	EA		2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	6,213.07 75.57	201.46
23 21 16 00-0393	EA		2-1/2" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,993.52 82.44	219.14
23 21 16 00-0394	EA		3" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	9,851.33 96.47	256.93
23 21 16 00-0395	EA		4" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	13,921.99 161.93	430.73
23 21 16 00-0396	EA		6" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	24,733.42 181.46	482.15
23 21 16 00-0397	EA		8" Flanged, Cast Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	40,303.75 229.60	616.09
<b>23 21 16 00-0398</b>			<b>Stainless Steel Body Basket Strainers (23 21 16 00-0344)</b>		
<b>23 21 16 00-0399</b>			<b>Screwed Ends, Stainless Steel Body Basket Strainers (23 21 16 00-0398)</b>		
23 21 16 00-0400	EA		1" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	597.16 25.19	42.32
23 21 16 00-0401	EA		1-1/4" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	853.25 28.09	46.85
23 21 16 00-0402	EA		1-1/2" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	883.08 31.70	52.90
23 21 16 00-0403	EA		2" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,297.32 36.31	60.45
23 21 16 00-0404	EA		2-1/2" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	1,831.25 48.63	80.85
23 21 16 00-0405	EA		3" Screwed Ends, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,572.83 51.59	86.15
<b>23 21 16 00-0406</b>			<b>Flanged, Stainless Steel Body Basket Strainers (23 21 16 00-0398)</b>		
23 21 16 00-0407	EA		2" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	2,002.35 75.57	201.46
23 21 16 00-0408	EA		2-1/2" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,000.83 82.44	219.14
23 21 16 00-0409	EA		3" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	3,400.74 96.47	256.93
23 21 16 00-0410	EA		4" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	5,747.95 161.93	430.73
23 21 16 00-0411	EA		6" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	8,734.71 181.46	482.15
23 21 16 00-0412	EA		8" Flanged, Stainless Steel Body Basket Strainer..... <i>For Work In Restricted Working Space, Add</i>	15,094.20 229.60	616.09
<b>23 21 16 00-0413</b>			<b>Air Vents (23 21 16)</b>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 21 16 00-0414</b>			<b>Screwed Ends, Cast Iron, Automatic Air Vents</b> <small>(23 21 16 00-0413)</small>		
			Note: With guided free floating lever.		
23 21 16 00-0415	EA		1/2" NPT, Cast Iron, Automatic Air Vent .....	405.47	43.82
23 21 16 00-0416	EA		3/4" NPT, Cast Iron, Automatic Air Vent .....	496.63	58.18
23 21 16 00-0417	EA		1" NPT, Cast Iron, Automatic Air Vent .....	1,127.74	60.45
23 21 16 00-0418	EA		1-1/4" NPT, Cast Iron, Automatic Air Vent .....	1,672.45	93.40
23 21 16 00-0419	EA		1-1/2" NPT, Cast Iron, Automatic Air Vent .....	2,785.24	100.51
23 21 16 00-0420	EA		2" NPT, Cast Iron, Automatic Air Vent .....	3,199.19	132.54

<b>23 21 16 00-0421</b>			<b>Forged Steel, Stainless Steel Internals, Automatic Air Vents</b> <small>(23 21 16 00-0413)</small>		
			Note: With guided free floating lever.		
23 21 16 00-0422	EA		1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	2,793.76	50.63
23 21 16 00-0423	EA		3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	3,502.07	58.18
23 21 16 00-0424	EA		1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	4,179.96	60.45
23 21 16 00-0425	EA		1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	6,859.11	93.70
23 21 16 00-0426	EA		1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	7,922.99	100.51
23 21 16 00-0427	EA		2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent .....	11,649.99	132.24

<b>23 21 16 00-0428</b>			<b>Manual Air Vent</b> <small>(23 21 16 00-0413)</small>		
23 21 16 00-0429	EA		Manual Air Vent .....	100.64	54.55

<b>23 21 16 00-0430</b>			<b>Air Release Valves</b> <small>(23 21 16 00-0413)</small>		
<b>23 21 16 00-0431</b>			<b>Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)</b> <small>(23 21 16 00-0430)</small>		
			Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0432	EA		1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	208.34	22.67
23 21 16 00-0433	EA		3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	214.39	25.69
23 21 16 00-0434	EA		1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50) .....	226.48	31.73

<b>23 21 16 00-0435</b>			<b>Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)</b> <small>(23 21 16 00-0430)</small>		
			Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0436	EA		1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A) .....	825.18	31.73
23 21 16 00-0437	EA		2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) .....	997.77	55.16
23 21 16 00-0438	EA		3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200) .....	1,312.13	128.62

<b>23 21 16 00-0439</b>			<b>Cast Iron, Air/Vacuum Valves</b> <small>(23 21 16 00-0430)</small>		
			Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0440	EA		1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141) .....	402.39	22.67
23 21 16 00-0441	EA		1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142) .....	498.15	31.73
23 21 16 00-0442	EA		2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144) .....	860.65	55.16
23 21 16 00-0443	EA		3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146) .....	1,250.03	128.62
23 21 16 00-0444	EA		4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152) .....	1,959.39	215.91
23 21 16 00-0445	EA		6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153) .....	2,967.38	273.01

<b>23 21 16 00-0446</b>			<b>Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice</b> <small>(23 21 16 00-0430)</small>		
			Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0447	EA		1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C) .....	715.48	31.73
23 21 16 00-0448	EA		2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C) .....	1,101.27	55.16
23 21 16 00-0449	EA		3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C) .....	2,013.29	128.62
23 21 16 00-0450	EA		4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C) .....	2,624.32	215.91

**23 21 23 Hydronic Pumps** (23 21)

**23 21 23 13 In-Line Centrifugal Hydronic Pumps** (23 21 23)

<b>23 21 23 13-0001</b>			<b>Cast Iron Single Stage In-Line Centrifugal Pump</b> <small>(23 21 23 13)</small>		
			Note: For general service, 125 LB flanged, 3550 RPM TEFC motor. Includes packed stuffing boxes and ductile iron case.		
23 21 23 13-0002	EA		3 HP, 50 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump .....	6,792.11	403.70
			For Mechanical Seal, Add	446.53	
			For Cast Steel Case, Add	1,004.69	
23 21 23 13-0003	EA		5 HP, 75 GPM At 100' Head, Single Stage Cast Iron In-Line Circulating Pump .....	7,448.95	488.62
			For Mechanical Seal, Add	478.69	
			For Cast Steel Case, Add	1,077.05	
23 21 23 13-0004	EA		7-1/2 HP, 100 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump .....	8,620.47	580.50
			For Mechanical Seal, Add	550.43	
			For Cast Steel Case, Add	1,238.47	
23 21 23 13-0005	EA		10 HP, 125 GPM At 150' Head, Single Stage Cast Iron In-Line Circulating Pump .....	9,739.34	773.99
			For Mechanical Seal, Add	593.54	
			For Cast Steel Case, Add	1,335.46	
23 21 23 13-0006	EA		15 HP, 150 GPM At 200' Head, Single Stage Cast Iron In-Line Circulating Pump .....	11,136.03	843.59
			For Mechanical Seal, Add	688.40	
			For Cast Steel Case, Add	1,548.90	
23 21 23 13-0007	EA		30 HP, 200 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump .....	16,421.21	928.51
			For Mechanical Seal, Add	1,090.97	
			For Cast Steel Case, Add	2,454.67	



23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 20 HVAC Piping and Pumps

23 21 Hydronic Piping and Pumps

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include various pump specifications like '40 HP, 250 GPM At 300' Head, Single Stage Cast Iron In-Line Circulating Pump'.

23 21 23 13-0014 Cast Iron, Single Stage, Vertical In-Line, Close Coupled, Pump (23 21 23 13)

Note: For general service, 125 LB flanged, 1,800 RPM TEFC motor.

Table listing various pump models and specifications under section 23 21 23 13-0014, including '1/2 HP, 1-1/2" Suction And Discharge, Single Stage Cast Iron Vertical In-Line Pump'.

23 21 23 16 Base-Mounted, Centrifugal Hydronic Pumps (23 21 23)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

23 21 23 16-0001 Single Stage, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 1800 RPM, welded steel baseplate, internally flushed mechanical seal, bronze wear ring, galvanized drip pan, and 3 phase 230/460V premium efficiency motor. Bell & Gossett 1510 Series.

Table listing various pump models and specifications under section 23 21 23 16-0001, including '5 HP, 50 GPM At 100' Head Single Stage Cast Iron Centrifugal Pump (B&G 1510, 1-1/2 BC, BF, 184T)'.

23 21 23 16-0015 Single Stage, Vertical Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)

Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.

Table listing various pump models and specifications under section 23 21 23 16-0015, including '1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case'.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 23 16-0027	EA		25 HP, 600 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	20,987.23 4,870.98	811.57
23 21 23 16-0028	EA		30 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	23,245.49 5,347.35	1,031.52
23 21 23 16-0029	EA		40 HP, 1,050 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	26,365.38 6,069.32	1,159.60
23 21 23 16-0030	EA		60 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	41,518.21 9,057.44	2,742.64
23 21 23 16-0031	EA		75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	49,392.77 10,761.66	3,290.58
23 21 23 16-0032	EA		100 HP, 3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Vertical Split Case <i>For 300 LB Flanges, Add</i>	60,284.33 13,087.92	4,113.23
<b>23 21 23 16-0033 Single Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)</b>					
Note: 125 LB flanged, 1750 RPM drip-proof motor, common base plate 100' head. Standard seal and motor. For general service.					
23 21 23 16-0034	EA		1-1/2 HP, 40 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	6,770.22 1,546.33	324.35
23 21 23 16-0035	EA		2 HP, 50 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	6,957.44 1,582.74	348.02
23 21 23 16-0036	EA		3 HP, 90 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	7,144.82 1,619.16	371.68
23 21 23 16-0037	EA		5 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	7,749.27 1,766.16	380.03
23 21 23 16-0038	EA		7-1/2 HP, 100 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	12,550.46 2,938.75	441.29
23 21 23 16-0039	EA		10 HP, 250 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	15,186.46 3,570.92	580.50
23 21 23 16-0040	EA		15 HP, 350 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	17,084.80 4,010.19	626.43
23 21 23 16-0041	EA		20 HP, 500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	18,119.30 4,208.58	696.04
23 21 23 16-0042	EA		25 HP, 750 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	20,127.26 4,719.31	695.11
23 21 23 16-0043	EA		40 HP, 1,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	22,608.81 5,250.41	893.33
23 21 23 16-0044	EA		50 HP, 1,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	28,705.14 6,647.44	1,097.35
23 21 23 16-0045	EA		75 HP, 2,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	36,624.45 8,495.06	1,370.59
23 21 23 16-0046	EA		3,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case, 100 HP <i>For 300 LB Flanges, Add</i>	46,023.65 10,712.65	1,645.29
23 21 23 16-0047	EA		150 HP, 3,500 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	54,490.25 12,741.16	1,827.45
23 21 23 16-0048	EA		200 HP, 4,000 GPM Cast Iron Centrifugal Pump, Single Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	62,821.72 14,572.19	2,350.42
<b>23 21 23 16-0049 Two Stage, Horizontal Split Case, Cast Iron, Horizontal End Suction, Base Mounted Centrifugal Pump (23 21 23 16)</b>					
Note: 3500 RPM drip-proof motor, common base plate 500' head. Packed stuffing box and boiler feed water service.					
23 21 23 16-0050	EA		40 HP, 100 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	42,360.86 10,268.97	714.13
23 21 23 16-0051	EA		50 HP, 200 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	45,731.32 11,084.81	773.99
23 21 23 16-0052	EA		75 HP, 300 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	60,983.50 14,780.59	1,016.14
23 21 23 16-0053	EA		100 HP, 400 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	71,297.11 17,184.51	1,396.26
23 21 23 16-0054	EA		200 HP, 800 GPM Cast Iron Centrifugal Pump, Two Stage, Horizontal Split Case <i>For 300 LB Flanges, Add</i>	98,893.21 23,870.28	1,861.68
<b>23 21 23 16-0055 Cast Iron Close Coupling Pumps (23 21 23 16)</b>					
<b>23 21 23 16-0056 Foot Mounted Cast Iron Close Coupled Pumps (23 21 23 16-0055)</b>					
23 21 23 16-0057	EA		3 HP, 90 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 1-1/2 AC, BF, 182JM)	6,029.91	417.62
23 21 23 16-0058	EA		3 HP, 150 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 AB, BF, 182JM)	6,541.03	417.62
23 21 23 16-0059	EA		5 HP, 225 GPM At 50' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 2-1/2 BB, BF, 184JM)	7,259.37	440.82
23 21 23 16-0060	EA		5 HP, 350 GPM At 25' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 184JM)	7,711.52	440.82
23 21 23 16-0061	EA		7.5 HP, 350 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 4 AC, BF, 213JM)	8,837.07	463.56
23 21 23 16-0062	EA		10 HP, 600 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 5 A, BF, 215JM)	10,478.42	558.05
23 21 23 16-0063	EA		15 HP, 1,000 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 254JP)	13,728.55	687.47
23 21 23 16-0064	EA		20 HP, 1,350 GPM At 30' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 256JP)	14,701.43	744.08
23 21 23 16-0065	EA		25 HP, 1,550 GPM At 40' Head, Foot Mounted, Close Coupled Cast Iron Centrifugal Pump (B&G 1531, 6 BC, BF, 284JP)	16,991.86	803.60

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 21 Hydronic Piping and Pumps**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 21 23 16-0066		Pumps, Polypropylene Body, Housing And Impeller, 115/230 Volt <small>(23 21 23 16)</small>			
23 21 23 16-0067	EA	1/3 HP, Centrifugal Pump, Polypropylene Body .....	1,543.44		215.67
23 21 23 16-0068	EA	1/2 HP, Centrifugal Pump, Polypropylene Body .....	1,645.93		228.66
23 21 23 16-0069	EA	3/4 HP, Centrifugal Pump, Polypropylene Body .....	1,909.06		243.48
<b>23 21 23 23</b>		<b>Vertical-Turbine Hydronic Pumps <small>(23 21 23)</small></b>			
		See CSI section 26 29 23 00-0000 for variable frequency motor controllers.			
23 21 23 23-0001		<b>Cast Iron, Bronze Fitted Vertical Turbine Wet Sump Pumps <small>(23 21 23 23)</small></b>			
		Note: For water supply, cooling towers and process liquids. Multi-stage 1750 RPM drip-proof motor. For 1' to 5' sump depth.			
23 21 23 23-0002	EA	2 HP, 50 GPM Cast Iron Turbine Pump, 3" Discharge 100' Head, 10 Stage .....	13,917.87		1,031.52
		For Each Extra Column Assembly <60", Add	1,175.30		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	494.84		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	355.67		
23 21 23 23-0003	EA	3 HP, 100 GPM Cast Iron Turbine Pump, 4" Discharge 100' Head, 7 Stage .....	15,991.71		1,159.60
		For Each Extra Column Assembly <60", Add	1,341.71		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	577.30		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	417.38		
23 21 23 23-0004	EA	15 HP, 250 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 5 Stage .....	19,243.59		1,097.35
		For Each Extra Column Assembly <60", Add	1,618.18		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	691.05		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	498.61		
23 21 23 23-0005	EA	25 HP, 500 GPM Cast Iron Turbine Pump, 6" Discharge 150' Head, 3 Stage .....	22,624.09		1,266.29
		For Each Extra Column Assembly <60", Add	1,891.29		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	823.60		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	597.36		
23 21 23 23-0006	EA	50 HP, 1,000 GPM Cast Iron Turbine Pump, 8" Discharge 150' Head, 2 Stage .....	27,795.41		1,370.59
		For Each Extra Column Assembly <60", Add	2,311.77		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	1,023.68		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	745.72		
23 21 23 23-0007	EA	100 HP, 2,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 3 Stage .....	36,490.11		1,645.29
		For Each Extra Column Assembly <60", Add	3,024.98		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	1,353.84		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	988.93		
23 21 23 23-0008	EA	150 HP, 3,000 GPM Cast Iron Turbine Pump, 10" Discharge 150' Head, 2 Stage .....	43,708.64		2,056.61
		For Each Extra Column Assembly <60", Add	3,628.90		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	1,616.13		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	1,179.05		
23 21 23 23-0009	EA	200 HP, 4,000 GPM Cast Iron Turbine Pump, 12" Discharge 150' Head, 2 Stage .....	69,638.48		2,350.42
		For Each Extra Column Assembly <60", Add	5,722.18		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	2,634.44		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	1,938.06		
23 21 23 23-0010	EA	250 HP, 6,000 GPM Cast Iron Turbine Pump, 14" Discharge 150' Head, 2 Stage .....	91,181.66		2,742.64
		For Each Extra Column Assembly <60", Add	7,470.81		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	3,470.99		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	2,559.17		
23 21 23 23-0011	EA	300 HP, 10,000 GPM Cast Iron Turbine Pump, 18" Discharge 100' Head, 2 Stage .....	127,436.59		3,290.58
		For Each Extra Column Assembly <60", Add	10,406.46		
		For Basket Strainer, Galvanized, Steel Pipe Sizes 3" To 8", Add	4,885.93		
		For Basket Strainer, Galvanized Steel Pipe Sizes 10" And Larger, Add	3,611.56		
<b>23 21 29</b>		<b>Automatic Condensate Pump Units <small>(23 21 29)</small></b>			
23 21 29 00-0001		<b>Automatic Shallow Pan Condensate Pump <small>(23 21 29)</small></b>			
23 21 29 00-0002	EA	1/150 HP, 205 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 1-ABS) .....	244.55		45.24
23 21 29 00-0003	EA	1/40 HP, 300 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 2-ABS) .....	263.82		45.24
23 21 29 00-0004	EA	1/12 HP, 310 GPH (Max) Automatic Shallow Pan Condensate Pump (Little Giant 3-ABS) .....	404.55		52.20
23 21 29 00-0005		<b>Automatic Condensate Pump With Tank <small>(23 21 29)</small></b>			
23 21 29 00-0006	EA	1/20 HP Automatic Condensate Pump With Tank (Hartell KT-15-1UL) .....	137.83		34.80
23 21 29 00-0007	EA	1/30 HP Automatic Condensate Pump With Tank (Little Giant VCMX-20) .....	146.06		34.80
23 21 29 00-0008	EA	1/50 HP, 200 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-14ULS) .....	238.25		45.24
23 21 29 00-0009	EA	1/18 HP, 270 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-24ULS) .....	258.46		52.20
23 21 29 00-0010	EA	1/5 HP, 450 GPH (Max) Automatic Condensate Removal Pump With Safety Switch (Little Giant VCL-45ULS) .....	463.33		59.16
<b>23 22</b>		<b>Steam and Condensate Piping and Pumps <small>(23 22)</small></b>			
<b>23 22 16</b>		<b>Steam and Condensate Heating Piping Specialties <small>(23 22)</small></b>			
23 22 16 00-0001		<b>Steam Temperature Regulator, Iron Body <small>(23 22 16)</small></b>			
23 22 16 00-0002		<b>Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body <small>(23 22 16 00-0001)</small></b>			
		Note: Up to 150 PSI.			
23 22 16 00-0003	EA	1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,357.84		21.83
23 22 16 00-0004	EA	3/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,431.90		29.42
23 22 16 00-0005	EA	1" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	1,898.89		36.24
23 22 16 00-0006	EA	1-1/4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,099.52		45.79
23 22 16 00-0007	EA	1-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,157.25		52.61
23 22 16 00-0008	EA	2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body .....	2,546.67		57.25

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0009	EA		2-1/2" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,258.23	104.87
23 22 16 00-0010	EA		3" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,226.16	114.37
23 22 16 00-0011	EA		4" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	6,241.65	267.70
23 22 16 00-0012	EA		6" Single Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	10,318.65	314.20
<b>23 22 16 00-0013</b>			<b>Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)</b>		
23 22 16 00-0014	EA		1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,007.67	21.83
23 22 16 00-0015	EA		3/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,082.73	29.42
23 22 16 00-0016	EA		1" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,178.36	36.24
23 22 16 00-0017	EA		1-1/4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,608.69	45.79
23 22 16 00-0018	EA		1-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,796.60	52.61
23 22 16 00-0019	EA		2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,174.50	57.25
23 22 16 00-0020	EA		2-1/2" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,873.82	104.87
23 22 16 00-0021	EA		3" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	5,828.92	114.37
23 22 16 00-0022	EA		4" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,120.59	267.70
23 22 16 00-0023	EA		6" Single Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	13,060.20	314.20
<b>23 22 16 00-0024</b>			<b>Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)</b>		
23 22 16 00-0025	EA		1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,732.21	21.83
23 22 16 00-0026	EA		3/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	2,775.65	29.42
23 22 16 00-0027	EA		1" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,039.75	36.24
23 22 16 00-0028	EA		1-1/4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,313.13	45.79
23 22 16 00-0029	EA		1-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,435.95	52.61
23 22 16 00-0030	EA		2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,875.13	57.25
23 22 16 00-0031	EA		2-1/2" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,170.86	104.87
23 22 16 00-0032	EA		3" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,230.96	114.37
23 22 16 00-0033	EA		4" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	10,472.44	267.70
23 22 16 00-0034	EA		6" Double Seated Spring Loaded Direct Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	14,658.75	314.20
<b>23 22 16 00-0035</b>			<b>Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body (23 22 16 00-0001)</b>		
23 22 16 00-0036	EA		1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,497.90	21.83
23 22 16 00-0037	EA		3/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,537.52	29.42
23 22 16 00-0038	EA		1" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	3,843.71	36.24
23 22 16 00-0039	EA		1-1/4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,009.87	45.79
23 22 16 00-0040	EA		1-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,167.16	52.61
23 22 16 00-0041	EA		2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	4,537.44	57.25
23 22 16 00-0042	EA		2-1/2" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	7,553.70	104.87
23 22 16 00-0043	EA		3" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	8,649.43	114.37
23 22 16 00-0044	EA		4" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	10,890.92	267.70
23 22 16 00-0045	EA		6" Double Seated Spring Loaded Reverse Acting Diaphragm Valve, Steam Temperature Regulator, Iron Body.....	15,077.23	314.20
<b>23 22 16 00-0046</b>			<b>High Temperature Safety Relief Valve (23 22 16)</b>		
Note: Used in steam or water boiler, heating systems and unfired pressure vessel applications.					
<b>23 22 16 00-0047</b>			<b>Cast Iron Body Safety Valve, Steam Or Water (23 22 16 00-0046)</b>		
Note: Variable set points to 500 psig pressure, 400 Degree F temperature range.					
<b>23 22 16 00-0048</b>			<b>Threaded (23 22 16 00-0047)</b>		
23 22 16 00-0049	EA		3/4" x 1" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	522.27	22.75
23 22 16 00-0050	EA		1" x 1-1/4" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	549.48	26.91
23 22 16 00-0051	EA		1-1/4" x 1-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	610.24	34.12
23 22 16 00-0052	EA		1-1/2" x 2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	748.81	37.91
23 22 16 00-0053	EA		2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	956.90	46.63
23 22 16 00-0054	EA		2-1/2" x 2-1/2" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,466.86	53.08
23 22 16 00-0055	EA		3" x 3" Threaded Cast Iron Body Safety Relief Valve, Steam or Water.....	1,592.54	61.03
<b>23 22 16 00-0056</b>			<b>Flanged (23 22 16 00-0047)</b>		
23 22 16 00-0057	EA		1-1/2" x 2-1/2" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	3,576.32	159.22
23 22 16 00-0058	EA		2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,178.83	239.34
23 22 16 00-0059	EA		2-1/2" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	4,604.27	220.41
23 22 16 00-0060	EA		2-1/2" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,606.79	318.34
23 22 16 00-0061	EA		3" x 3" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	5,955.03	237.40
23 22 16 00-0062	EA		3" x 4" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	7,007.81	318.34
23 22 16 00-0063	EA		4" x 6" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	11,704.32	451.76
23 22 16 00-0064	EA		6" x 8" Flanged Cast Iron Body Safety Relief Valve, Steam or Water.....	23,169.00	504.53
<b>23 22 16 00-0065</b>			<b>Bronze Body Safety Valve, Threaded, Steam (23 22 16 00-0046)</b>		
Note: Variable set points to 250 psig pressure, 400 Degree F temperature range. Valve also can be set for Air or Gas with variable set points to 300 psig pressure.					
23 22 16 00-0066	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Steam.....	564.75	20.85
23 22 16 00-0067	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	579.74	22.75
23 22 16 00-0068	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Steam.....	677.12	25.02
23 22 16 00-0069	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	747.10	26.91
23 22 16 00-0070	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Steam.....	863.68	30.33
23 22 16 00-0071	EA		1-1/4" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	871.26	34.12
23 22 16 00-0072	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Steam.....	977.84	36.01



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 20 HVAC Piping and Pumps**

**23 22 Steam and Condensate Piping and Pumps**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0073	EA		1-1/2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,064.44	37.91
23 22 16 00-0074	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,468.89	42.45
23 22 16 00-0075	EA		2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,605.53	46.63
23 22 16 00-0076	EA		2-1/2" x 2-1/2" Threaded Bronze Body Safety Relief Valve, Steam .....	1,913.42	53.08
<b>23 22 16 00-0077 Bronze Body Safety Valve, Threaded, Water (23 22 16 00-0046)</b>					
Note: Variable set points to 160 psig pressure, 250 Degree F temperature range.					
23 22 16 00-0078	EA		3/4" x 3/4" Threaded Bronze Body Safety Relief Valve, Water .....	275.51	20.85
23 22 16 00-0079	EA		3/4" x 1" Threaded Bronze Body Safety Relief Valve, Water .....	313.07	22.75
23 22 16 00-0080	EA		1" x 1" Threaded Bronze Body Safety Relief Valve, Water .....	427.97	25.02
23 22 16 00-0081	EA		1" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water .....	470.67	26.91
23 22 16 00-0082	EA		1-1/4" x 1-1/4" Threaded Bronze Body Safety Relief Valve, Water .....	673.26	30.33
23 22 16 00-0083	EA		1-1/2" x 1-1/2" Threaded Bronze Body Safety Relief Valve, Water .....	903.91	36.01
23 22 16 00-0084	EA		2" x 2" Threaded Bronze Body Safety Relief Valve, Water .....	1,309.65	42.45
<b>23 22 16 00-0085 Steam Traps (23 22 16)</b>					
<b>23 22 16 00-0086 Inverted Bucket Steam Traps (23 22 16 00-0085)</b>					
23 22 16 00-0087	EA		1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap .....	349.60	45.34
			<i>For Work In Restricted Working Space, Add</i>	27.20	
23 22 16 00-0088	EA		3/4" 250 PSI Inverted Bucket Cast Iron Steam Trap .....	353.38	47.23
			<i>For Work In Restricted Working Space, Add</i>	28.34	
23 22 16 00-0089	EA		1" 250 PSI Inverted Bucket Cast Iron Steam Trap .....	517.56	50.33
			<i>For Work In Restricted Working Space, Add</i>	30.23	
23 22 16 00-0090	EA		1-1/4" 250 PSI Inverted Bucket Cast Iron Steam Trap .....	832.05	68.69
			<i>For Work In Restricted Working Space, Add</i>	41.22	
23 22 16 00-0091	EA		1-1/2" 250 PSI Inverted Bucket Cast Iron Steam Trap .....	1,231.39	84.63
			<i>For Work In Restricted Working Space, Add</i>	50.37	
23 22 16 00-0092	EA		2" 250 PSI Inverted Bucket Cast Iron Steam Trap .....	1,578.86	125.95
			<i>For Work In Restricted Working Space, Add</i>	75.57	
<b>23 22 16 00-0093 Float And Thermostatic Steam Traps (23 22 16 00-0085)</b>					
23 22 16 00-0094	EA		3/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	369.27	47.23
			<i>For Work In Restricted Working Space, Add</i>	28.34	
23 22 16 00-0095	EA		1" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	481.76	50.37
			<i>For Work In Restricted Working Space, Add</i>	30.23	
23 22 16 00-0096	EA		1-1/4" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	598.39	68.69
			<i>For Work In Restricted Working Space, Add</i>	41.22	
23 22 16 00-0097	EA		1-1/2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	869.53	83.96
			<i>For Work In Restricted Working Space, Add</i>	50.38	
23 22 16 00-0098	EA		2" 15 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,462.27	125.90
			<i>For Work In Restricted Working Space, Add</i>	75.57	
23 22 16 00-0099	EA		3/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	464.94	47.23
			<i>For Work In Restricted Working Space, Add</i>	28.34	
23 22 16 00-0100	EA		1" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	504.92	50.33
			<i>For Work In Restricted Working Space, Add</i>	30.23	
23 22 16 00-0101	EA		1-1/4" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	661.53	68.69
			<i>For Work In Restricted Working Space, Add</i>	41.22	
23 22 16 00-0102	EA		1-1/2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,022.35	83.88
			<i>For Work In Restricted Working Space, Add</i>	50.38	
23 22 16 00-0103	EA		2" 30 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,603.31	125.94
			<i>For Work In Restricted Working Space, Add</i>	75.57	
23 22 16 00-0104	EA		3/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	597.56	47.23
			<i>For Work In Restricted Working Space, Add</i>	28.34	
23 22 16 00-0105	EA		1" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	664.90	50.37
			<i>For Work In Restricted Working Space, Add</i>	30.23	
23 22 16 00-0106	EA		1-1/4" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,008.87	68.69
			<i>For Work In Restricted Working Space, Add</i>	41.22	
23 22 16 00-0107	EA		1-1/2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	1,213.71	83.88
			<i>For Work In Restricted Working Space, Add</i>	50.38	
23 22 16 00-0108	EA		2" 75 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	2,001.15	125.95
			<i>For Work In Restricted Working Space, Add</i>	75.57	
23 22 16 00-0109	EA		3/4" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	605.98	47.23
			<i>For Work In Restricted Working Space, Add</i>	28.34	
23 22 16 00-0110	EA		1" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	664.90	50.37
			<i>For Work In Restricted Working Space, Add</i>	30.23	
23 22 16 00-0111	EA		1-1/4" 150 PSI Max Pressure Float And Thermostatic Steam Trap .....	1,008.87	68.69
			<i>For Work In Restricted Working Space, Add</i>	41.22	
23 22 16 00-0112	EA		1-1/2" 150 PSI Max Pressure Float And Thermostatic Steam Trap .....	1,213.71	83.88
			<i>For Work In Restricted Working Space, Add</i>	50.38	
23 22 16 00-0113	EA		2" 150 PSI Maximum Pressure Float And Thermostatic Steam Trap .....	2,001.15	125.94
			<i>For Work In Restricted Working Space, Add</i>	75.57	
<b>23 22 16 00-0114 Thermostatic Steam Traps (23 22 16 00-0085)</b>					
23 22 16 00-0115	EA		1/2" 25 PSI Maximum Pressure Thermostatic Steam Trap .....	188.34	45.34
			<i>For Work In Restricted Working Space, Add</i>	27.20	
23 22 16 00-0116	EA		3/4" 25 PSI Maximum Pressure Thermostatic Steam Trap .....	302.84	47.23
			<i>For Work In Restricted Working Space, Add</i>	28.34	
23 22 16 00-0117	EA		1" 25 PSI Maximum Pressure Thermostatic Steam Trap .....	370.68	50.33
			<i>For Work In Restricted Working Space, Add</i>	30.23	
<b>23 22 16 00-0118 Thermodynamic Steam Traps (23 22 16 00-0085)</b>					



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 16 00-0119	EA		3/8" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	392.12	40.81
23 22 16 00-0120	EA		1/2" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	549.58	45.34
23 22 16 00-0121	EA		3/4" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	677.54	47.23
23 22 16 00-0122	EA		1" 600 PSI Maximum Pressure Thermodynamic Steam Trap.....	902.76	50.33
<b>23 22 16 00-0123</b>			<b>Steam Moisture Separator (23 22 16 00-0085)</b>		
23 22 16 00-0124	EA		1" Steam Moisture Separator, Threaded (Spirax Sarco S1).....	1,068.91	114.87
23 22 16 00-0125	EA		1-1/2" Steam Moisture Separator, Threaded (Spirax Sarco S2).....	1,672.78	131.48
23 22 16 00-0126	EA		2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	2,063.28	201.46
23 22 16 00-0127	EA		2-1/2" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,085.14	219.14
23 22 16 00-0128	EA		3" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	3,543.16	256.93
23 22 16 00-0129	EA		4" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	4,877.01	430.73
23 22 16 00-0130	EA		6" Steam Moisture Separator, Flanged (Spirax Sarco S3).....	9,436.99	544.08
<b>23 22 16 00-0131</b>			<b>Steam/Condensate Meter (23 22 16)</b>		
Note: Meter shall be of the rotary volumetric type and sized on the maximum estimated steam demand.					
23 22 16 00-0132	EA		1" Steam/Condensate Meter.....	9,724.48	125.68
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0133	EA		2" Steam/Condensate Meter.....	10,969.53	147.68
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0134	EA		2-1/2" Steam/Condensate Meter.....	11,624.88	183.29
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0135	EA		3" Steam/Condensate Meter.....	12,309.55	240.89
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0136	EA		4" Steam/Condensate Meter.....	13,837.68	374.25
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0137	EA		6" Steam/Condensate Meter.....	23,763.65	473.40
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0138	EA		8" Steam/Condensate Meter.....	24,571.45	597.68
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0139	EA		10" Steam/Condensate Meter.....	25,663.39	733.14
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0140	EA		12" Steam/Condensate Meter.....	26,852.18	890.24
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0141	EA		14" Steam/Condensate Meter.....	28,547.54	1,047.34
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	
23 22 16 00-0142	EA		16" Steam/Condensate Meter.....	29,531.43	1,152.08
			For Steam Meter Pressure-Compensated Counter, Add	1,220.00	
			For Contactor Used For Dial Counter, Add	567.00	
			For Wall Or Panel Mounted Remote Totalizer With Contactor, Add	905.00	
			For Direct Reading Pressure Gauge, Add	79.82	
			For Direct Reading Thermometer, Stainless Steel Case With Trim, Add	64.52	

**23 22 23 Steam Condensate Pumps (23 22)**

**23 22 23 13 Electric-Driven Steam Condensate Pumps (23 22 23)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 22 Steam and Condensate Piping and Pumps**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 22 23 13-0001	Simplex Condensate Pumps And Motors <small>(23 22 23 13)</small>			
		Note: Cast iron receiver, float switch.		
23 22 23 13-0002	20 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>			
23 22 23 13-0003	EA	3 To 6 GPM Simplex Condensate Pump And 1/3 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,240.22	708.56
23 22 23 13-0004	EA	9 To 12 GPM Simplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,793.25	728.05
23 22 23 13-0005	EA	15 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	2,928.36	776.78
23 22 23 13-0006	EA	22.5 GPM Simplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	3,192.17	785.13
23 22 23 13-0007	EA	30 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	3,556.11	854.73
23 22 23 13-0008	EA	37.5 GPM Simplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	5,041.36	854.73
23 22 23 13-0009	EA	45 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	5,146.00	913.20
23 22 23 13-0010	EA	60 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	6,203.12	954.96
23 22 23 13-0011	EA	75 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	6,281.11	996.73
23 22 23 13-0012	30 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>			
23 22 23 13-0013	EA	3 To 6 GPM Simplex Condensate Pump And 1/2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	2,545.22	757.28
23 22 23 13-0014	EA	9 To 12 GPM Simplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	3,218.57	776.78
23 22 23 13-0015	EA	15 GPM Simplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	3,351.77	828.29
23 22 23 13-0016	EA	22.5 GPM Simplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	3,847.63	895.10
23 22 23 13-0017	EA	30 To 37.5 GPM Simplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	5,146.00	914.60
23 22 23 13-0018	EA	45 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	5,291.46	946.60
23 22 23 13-0019	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	5,462.40	996.73
23 22 23 13-0020	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure .....	6,292.43	1,060.76
23 22 23 13-0021	40 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>			
23 22 23 13-0022	EA	3 To 6 GPM Simplex Condensate Pump And 1 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	2,847.94	868.65
23 22 23 13-0023	EA	9 To 15 GPM Simplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	3,503.59	938.26
23 22 23 13-0024	EA	22.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	4,052.07	927.12
23 22 23 13-0025	EA	30 To 37.5 GPM Simplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	5,267.86	946.60
23 22 23 13-0026	EA	45 GPM Simplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	5,389.48	986.98
23 22 23 13-0027	EA	60 GPM Simplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	6,281.11	996.73
23 22 23 13-0028	EA	75 GPM Simplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure .....	6,392.70	1,060.76
23 22 23 13-0029	50 PSI Discharge Pressure <small>(23 22 23 13-0001)</small>			
23 22 23 13-0030	EA	3 To 6 GPM Simplex Condensate Pump And 2 HP Motor With 6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	5,042.66	941.04
23 22 23 13-0031	EA	9 To 15 GPM Simplex Condensate Pump And 2 HP Motor With 13.6 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	3,782.48	960.53
23 22 23 13-0032	EA	22.5 GPM Simplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	4,283.39	967.49
23 22 23 13-0033	EA	30 To 45 GPM Simplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	5,499.91	1,052.41
23 22 23 13-0034	EA	60 To 75 GPM Simplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure .....	8,431.70	1,134.54
23 22 23 13-0035	Duplex Condensate Pumps And Motors <small>(23 22 23 13)</small>			
		Note: Cast iron receiver, float switch, alternator assembly.		
23 22 23 13-0036	20 PSI Discharge Pressure <small>(23 22 23 13-0035)</small>			
23 22 23 13-0037	EA	9 To 12 GPM Duplex Condensate Pump And 1/3 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	3,593.74	950.78
23 22 23 13-0038	EA	15 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	3,825.19	1,044.06
23 22 23 13-0039	EA	22.5 GPM Duplex Condensate Pump And 1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	4,138.53	1,052.41
23 22 23 13-0040	EA	30 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	4,611.05	1,147.07
23 22 23 13-0041	EA	37.5 GPM Duplex Condensate Pump And 3/4 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure .....	6,214.26	1,147.07

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 22 23 13-0042 EA 45 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	6,364.63	1,236.16
23 22 23 13-0043 EA 60 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,457.99	1,290.45
23 22 23 13-0044 EA 75 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 20 PSI Discharge Pressure.....	7,658.05	1,354.49
<b>23 22 23 13-0045 30 PSI Discharge Pressure (23 22 23 13-0035)</b>		
23 22 23 13-0046 EA 9 To 12 GPM Duplex Condensate Pump And 1/2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,559.23	1,024.57
23 22 23 13-0047 EA 15 GPM Duplex Condensate Pump And 3/4 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	4,796.01	1,119.23
23 22 23 13-0048 EA 22.5 GPM Duplex Condensate Pump And 1 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	5,297.48	1,091.38
23 22 23 13-0049 EA 30 To 37.5 GPM Duplex Condensate Pump And 1 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,364.63	1,236.16
23 22 23 13-0050 EA 45 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	6,551.04	1,282.10
23 22 23 13-0051 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,422.11	1,354.49
23 22 23 13-0052 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 30 PSI Discharge Pressure.....	7,804.23	1,451.93
<b>23 22 23 13-0053 40 PSI Discharge Pressure (23 22 23 13-0035)</b>		
23 22 23 13-0054 EA 9 To 15 GPM Duplex Condensate Pump And 1 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	4,993.57	1,208.32
23 22 23 13-0055 EA 22.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	5,481.51	1,262.61
23 22 23 13-0056 EA 30 To 37.5 GPM Duplex Condensate Pump And 1-1/2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,565.19	1,282.10
23 22 23 13-0057 EA 45 GPM Duplex Condensate Pump And 2 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	6,766.45	1,346.14
23 22 23 13-0058 EA 60 GPM Duplex Condensate Pump And 2 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,659.23	1,354.49
23 22 23 13-0059 EA 75 GPM Duplex Condensate Pump And 3 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 40 PSI Discharge Pressure.....	7,832.55	1,451.93
<b>23 22 23 13-0060 50 PSI Discharge Pressure (23 22 23 13-0035)</b>		
23 22 23 13-0061 EA 9 To 15 GPM Duplex Condensate Pump And 2 HP Motor With 13.5 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,189.40	1,208.32
23 22 23 13-0062 EA 22.5 GPM Duplex Condensate Pump And 2 HP Motor With 21 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	5,611.99	1,328.04
23 22 23 13-0063 EA 30 To 45 GPM Duplex Condensate Pump And 3 HP Motor With 36 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	6,940.92	1,442.18
23 22 23 13-0064 EA 60 To 75 GPM Duplex Condensate Pump And 5 HP Motor With 50 Gallon Cast Iron Receiver, Float Switch, 50 PSI Discharge Pressure.....	11,622.45	1,561.91
<b>23 23 Refrigerant Piping (23 20)</b>		
<b>23 23 13 Refrigerant Piping Valves (23 23)</b>		
<b>23 23 13 00-0001 Ball Valves (23 23 13)</b>		
<b>23 23 13 00-0002 Refrigeration Ball Valves, Sweat, 1400 Series (23 23 13 00-0001)</b>		
23 23 13 00-0003 EA 3/8" Refrigeration Ball Valve, Sweated.....	58.29	15.16
23 23 13 00-0004 EA 1/2" Refrigeration Ball Valve, Sweated.....	60.73	15.16
23 23 13 00-0005 EA 5/8" Refrigeration Ball Valve, Sweated.....	78.02	15.16
23 23 13 00-0006 EA 7/8" Refrigeration Ball Valve, Sweated.....	104.57	16.68
23 23 13 00-0007 EA 1-1/8" Refrigeration Ball Valve, Sweated.....	143.88	18.96
23 23 13 00-0008 EA 1-5/8" Refrigeration Ball Valve, Sweated.....	231.58	23.35
<b>23 23 13 00-0009 Shut-Off Valves (23 23 13)</b>		
<b>23 23 13 00-0010 Packless (23 23 13 00-0009)</b>		
23 23 13 00-0011 EA 1/2" Refrigeration Valve, Packless.....	71.30	15.72
23 23 13 00-0012 EA 5/8" Refrigeration Valve, Packless.....	88.13	17.23
23 23 13 00-0013 EA 7/8" Refrigeration Valve, Packless.....	175.95	23.58
<b>23 23 13 00-0014 Packed (23 23 13 00-0009)</b>		
23 23 13 00-0015 EA 1-1/8" Refrigeration Valve, Packed.....	309.50	34.31
23 23 13 00-0016 EA 1 3/8" Refrigeration Valve, Packed.....	412.15	42.02
23 23 13 00-0017 EA 1-5/8" Refrigeration Valve, Packed.....	500.48	47.30
23 23 13 00-0018 EA 2-1/8" Refrigeration Valve, Packed.....	709.57	53.96
23 23 13 00-0019 EA 2-5/8" Refrigeration Valve, Packed.....	1,202.49	151.14
23 23 13 00-0020 EA 3-1/8" Refrigeration Valve, Packed.....	1,574.10	188.91
23 23 13 00-0021 EA 4-1/8" Refrigeration Valve, Packed.....	2,231.54	251.94
<b>23 23 13 00-0022 Check Valves (23 23 13)</b>		
23 23 13 00-0023 EA 5/8" Check Valve, Refrigeration.....	91.97	15.12

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 23 13 00-0024	EA	7/8" Check Valve, Refrigeration	272.28	16.63
23 23 13 00-0025	EA	1-1/8" Check Valve, Refrigeration	316.47	18.89
23 23 13 00-0026	EA	1 3/8" Check Valve, Refrigeration	424.90	20.10
23 23 13 00-0027	EA	1-5/8" Check Valve, Refrigeration	556.04	23.27
23 23 13 00-0028	EA	2-1/8" Check Valve, Refrigeration	817.32	27.51
23 23 13 00-0029	EA	2-5/8" Check Valve, Refrigeration	1,144.84	40.36
23 23 13 00-0030	EA	3-1/8" Check Valve, Refrigeration	1,507.74	52.90

**23 23 13 00-0031 Solenoid Valves (23 23 13)****23 23 13 00-0032 Solenoid Valve, 24 Volt Coil (23 23 13 00-0031)**

23 23 13 00-0033	EA	1/2" Solenoid Valve, Refrigeration	230.67	15.12
23 23 13 00-0034	EA	5/8" Solenoid Valve, Refrigeration	235.96	15.12
23 23 13 00-0035	EA	3/4" Solenoid Valve, Refrigeration	292.92	16.63
23 23 13 00-0036	EA	7/8" Solenoid Valve, Refrigeration	292.92	16.63
23 23 13 00-0037	EA	1-1/8" Solenoid Valve, Refrigeration	407.36	18.89
23 23 13 00-0038	EA	1 3/8" Solenoid Valve, Refrigeration	648.00	20.10
23 23 13 00-0039	EA	1-5/8" Solenoid Valve, Refrigeration	1,177.68	23.27
23 23 13 00-0040	EA	2-1/8" Solenoid Valve, Refrigeration	1,198.81	27.51

**23 23 16 Refrigerant Piping Specialties (23 23)****23 23 16 00-0001 Soft Refrigeration Copper Tubing (23 23 16)**

Note: Based on outside diameter. Nitrogenized. Lengths up to 100' See CSI section 22 07 19 00-0313 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0002	LF	1/8" Outside Diameter Soft Refrigeration Copper Tubing	6.17	3.60
23 23 16 00-0003	LF	3/16" Outside Diameter Soft Refrigeration Copper Tubing	6.45	3.69
23 23 16 00-0004	LF	1/4" Outside Diameter Soft Refrigeration Copper Tubing	6.72	3.79
23 23 16 00-0005	LF	5/16" Outside Diameter Soft Refrigeration Copper Tubing	7.15	3.85
23 23 16 00-0006	LF	3/8" Outside Diameter Soft Refrigeration Copper Tubing	7.35	3.91
23 23 16 00-0007	LF	1/2" Outside Diameter Soft Refrigeration Copper Tubing	8.18	4.11
23 23 16 00-0008	LF	5/8" Outside Diameter Soft Refrigeration Copper Tubing	8.90	4.15
23 23 16 00-0009	LF	3/4" Outside Diameter Soft Refrigeration Copper Tubing	9.67	4.31
23 23 16 00-0010	LF	7/8" Outside Diameter Soft Refrigeration Copper Tubing	12.36	5.05
23 23 16 00-0011	LF	1-1/8" Outside Diameter Soft Refrigeration Copper Tubing	15.55	5.79
23 23 16 00-0012	LF	1-3/8" Outside Diameter Soft Refrigeration Copper Tubing	22.08	6.85
23 23 16 00-0013	LF	1-5/8" Outside Diameter Soft Refrigeration Copper Tubing	26.48	7.66

**23 23 16 00-0014 Type L Drawn, ACR Copper Tubing (23 23 16)**

Note: Nitrogenized. Lengths up to 20'. See CSI section 22 07 19 00-0313 for flexible elastomeric insulation (insulation on suction line only).

23 23 16 00-0015	LF	3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	8.13	4.24
		For Medical Applications "Oxygen Clean", Add	0.73	
23 23 16 00-0016	LF	1/2" Outside Diameter Type L Drawn, ACR Copper Tubing	9.00	4.24
		For Medical Applications "Oxygen Clean", Add	0.77	
23 23 16 00-0017	LF	5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	9.54	4.24
		For Medical Applications "Oxygen Clean", Add	0.80	
23 23 16 00-0018	LF	3/4" Outside Diameter Type L Drawn, ACR Copper Tubing	13.78	6.34
		For Medical Applications "Oxygen Clean", Add	1.16	
23 23 16 00-0019	LF	7/8" Outside Diameter Type L Drawn, ACR Copper Tubing	15.02	6.80
		For Medical Applications "Oxygen Clean", Add	1.26	
23 23 16 00-0020	LF	1-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	17.19	6.80
		For Medical Applications "Oxygen Clean", Add	1.37	
23 23 16 00-0021	LF	1-3/8" Outside Diameter Type L Drawn, ACR Copper Tubing	21.26	7.86
		For Medical Applications "Oxygen Clean", Add	1.66	
23 23 16 00-0022	LF	1-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	25.60	9.07
		For Medical Applications "Oxygen Clean", Add	1.96	
23 23 16 00-0023	LF	2-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	35.84	11.33
		For Medical Applications "Oxygen Clean", Add	2.64	
23 23 16 00-0024	LF	2-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	53.80	17.08
		For Medical Applications "Oxygen Clean", Add	3.97	
23 23 16 00-0025	LF	3-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	69.33	21.16
		For Medical Applications "Oxygen Clean", Add	5.05	
23 23 16 00-0026	LF	3-5/8" Outside Diameter Type L Drawn, ACR Copper Tubing	87.00	25.17
		For Medical Applications "Oxygen Clean", Add	6.24	
23 23 16 00-0027	LF	4-1/8" Outside Diameter Type L Drawn, ACR Copper Tubing	107.16	30.23
		For Medical Applications "Oxygen Clean", Add	7.63	

**23 23 16 00-0028 Refrigeration Fittings (23 23 16)****23 23 16 00-0029 Brass Flare Fittings (23 23 16 00-0028)****23 23 16 00-0030 Brass Flare Unions (23 23 16 00-0029)**

23 23 16 00-0031	EA	3/8" Brass Flare Union	32.95	16.38
23 23 16 00-0032	EA	1/2" Brass Flare Union	32.95	16.38
23 23 16 00-0033	EA	5/8" Brass Flare Union	35.13	16.38

**23 23 16 00-0034 90 Degree Elbow Brass Flare Unions (23 23 16 00-0029)**

23 23 16 00-0035	EA	3/8" 90 Degree Brass Flare Elbow Union	34.27	16.38
23 23 16 00-0036	EA	1/2" 90 Degree Brass Flare Elbow Union	34.27	16.38
23 23 16 00-0037	EA	5/8" 90 Degree Brass Flare Elbow Union	41.59	16.38

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 23 16 00-0038 Brass Flare Tees (23 23 16 00-0029)</b>		
23 23 16 00-0039 EA 3/8" Brass Flare Tee.....	53.44	27.29
23 23 16 00-0040 EA 1/2" Brass Flare Tee.....	56.70	27.29
23 23 16 00-0041 EA 5/8" Brass Flare Tee.....	74.45	27.29
<b>23 23 16 00-0042 Male Connector, Half Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0043 EA 3/8" Brass Flare Male Connector, Half Union.....	26.95	16.38
23 23 16 00-0044 EA 1/2" Brass Flare Male Connector, Half Union.....	29.13	16.38
23 23 16 00-0045 EA 5/8" Brass Flare Male Connector, Half Union.....	32.24	16.38
<b>23 23 16 00-0046 Female Connector, Half Brass Flare Unions (23 23 16 00-0029)</b>		
23 23 16 00-0047 EA 3/8" Brass Flare Female Connector, Half Union.....	29.76	16.38
23 23 16 00-0048 EA 1/2" Brass Flare Female Connector, Half Union.....	32.72	16.38
23 23 16 00-0049 EA 5/8" Brass Flare Female Connector, Half Union.....	32.72	16.38
<b>23 23 16 00-0050 Long Forged Nuts (23 23 16 00-0029)</b>		
23 23 16 00-0051 EA 3/8" Brass Long Forged Nut.....	28.28	16.38
23 23 16 00-0052 EA 1/2" Brass Long Forged Nut.....	29.13	16.38
23 23 16 00-0053 EA 5/8" Brass Long Forged Nut.....	38.62	16.38
<b>23 23 16 00-0054 Short Forged Nuts (23 23 16 00-0029)</b>		
23 23 16 00-0055 EA 3/8" Brass Short Forged Nut.....	27.04	16.38
23 23 16 00-0056 EA 1/2" Brass Short Forged Nut.....	29.01	16.38
23 23 16 00-0057 EA 5/8" Brass Short Forged Nut.....	29.42	16.38
<b>23 23 16 00-0058 ACR Wrought Copper Fittings (23 23 16 00-0028)</b>		
Note: Soldered.		
<b>23 23 16 00-0059 ACR Wrought Copper Coupling (23 23 16 00-0058)</b>		
Note: C x C		
23 23 16 00-0060 EA 1/4" ACR Wrought Copper Coupling.....	26.44	16.38
23 23 16 00-0061 EA 3/8" ACR Wrought Copper Coupling.....	26.09	16.38
23 23 16 00-0062 EA 1/2" ACR Wrought Copper Coupling.....	26.61	16.38
23 23 16 00-0063 EA 5/8" ACR Wrought Copper Coupling.....	27.42	17.08
23 23 16 00-0064 EA 3/4" ACR Wrought Copper Coupling.....	38.54	22.52
23 23 16 00-0065 EA 7/8" ACR Wrought Copper Coupling.....	38.20	23.12
23 23 16 00-0066 EA 1-1/8" ACR Wrought Copper Coupling.....	50.13	28.72
23 23 16 00-0067 EA 1-3/8" ACR Wrought Copper Coupling.....	71.44	39.30
23 23 16 00-0068 EA 1-5/8" ACR Wrought Copper Coupling.....	85.72	46.09
23 23 16 00-0069 EA 2-1/8" ACR Wrought Copper Coupling.....	111.38	55.92
23 23 16 00-0070 EA 2-5/8" ACR Wrought Copper Coupling.....	189.47	84.94
23 23 16 00-0071 EA 3-1/8" ACR Wrought Copper Coupling.....	252.21	111.69
23 23 16 00-0072 EA 4-1/8" ACR Wrought Copper Coupling.....	391.57	132.69
<b>23 23 16 00-0073 ACR Wrought Copper Short Radius 90 Degree Elbows (23 23 16 00-0058)</b>		
Note: C x C		
23 23 16 00-0074 EA 1/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	31.13	16.38
23 23 16 00-0075 EA 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	31.48	16.38
23 23 16 00-0076 EA 1/2" ACR Wrought Copper Short Radius 90 Degree Elbow.....	31.13	16.38
23 23 16 00-0077 EA 5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	33.51	17.08
23 23 16 00-0078 EA 3/4" ACR Wrought Copper Short Radius 90 Degree Elbow.....	48.11	22.52
23 23 16 00-0079 EA 7/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	48.81	23.12
23 23 16 00-0080 EA 1-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	61.97	28.72
23 23 16 00-0081 EA 1 3/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	78.27	39.30
23 23 16 00-0082 EA 1-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	99.34	46.09
23 23 16 00-0083 EA 2-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	138.71	55.92
23 23 16 00-0084 EA 2-5/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	237.25	84.94
23 23 16 00-0085 EA 3-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	305.66	111.69
23 23 16 00-0086 EA 4-1/8" ACR Wrought Copper Short Radius 90 Degree Elbow.....	552.57	132.69
<b>23 23 16 00-0087 ACR Wrought Copper Long Radius 90 Degree Elbows (23 23 16 00-0058)</b>		
Note: C x C		
23 23 16 00-0088 EA 1/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	36.99	16.38
23 23 16 00-0089 EA 3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	33.89	16.38
23 23 16 00-0090 EA 1/2" ACR Wrought Copper Long Radius 90 Degree Elbow.....	36.35	16.38
23 23 16 00-0091 EA 5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	36.33	17.08
23 23 16 00-0092 EA 3/4" ACR Wrought Copper Long Radius 90 Degree Elbow.....	44.66	22.52
23 23 16 00-0093 EA 7/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	48.44	23.12
23 23 16 00-0094 EA 1-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	65.22	28.72
23 23 16 00-0095 EA 1-3/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	94.98	39.30
23 23 16 00-0096 EA 1-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	117.58	46.09
23 23 16 00-0097 EA 2-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	211.09	55.92
23 23 16 00-0098 EA 2-5/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	328.87	84.94
23 23 16 00-0099 EA 3-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	434.40	111.69
23 23 16 00-0100 EA 4-1/8" ACR Wrought Copper Long Radius 90 Degree Elbow.....	913.92	132.69



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0101			<b>ACR Wrought Copper 45 Degree Elbow</b> (23 23 16 00-0058) Note: C x C		
23 23 16 00-0102	EA		1/4" ACR Wrought Copper 45 Degree Elbow .....	41.25	16.38
23 23 16 00-0103	EA		3/8" ACR Wrought Copper 45 Degree Elbow .....	36.99	16.38
23 23 16 00-0104	EA		1/2" ACR Wrought Copper 45 Degree Elbow .....	35.18	16.38
23 23 16 00-0105	EA		5/8" ACR Wrought Copper 45 Degree Elbow .....	29.97	17.08
23 23 16 00-0106	EA		3/4" ACR Wrought Copper 45 Degree Elbow .....	52.64	22.52
23 23 16 00-0107	EA		7/8" ACR Wrought Copper 45 Degree Elbow .....	42.17	23.12
23 23 16 00-0108	EA		1-1/8" ACR Wrought Copper 45 Degree Elbow .....	61.93	28.72
23 23 16 00-0109	EA		1-3/8" ACR Wrought Copper 45 Degree Elbow .....	84.28	39.30
23 23 16 00-0110	EA		1-5/8" ACR Wrought Copper 45 Degree Elbow .....	99.72	46.09
23 23 16 00-0111	EA		2-1/8" ACR Wrought Copper 45 Degree Elbow .....	134.74	55.92
23 23 16 00-0112	EA		2-5/8" ACR Wrought Copper 45 Degree Elbow .....	235.92	84.94
23 23 16 00-0113	EA		3-1/8" ACR Wrought Copper 45 Degree Elbow .....	319.08	111.69
23 23 16 00-0114	EA		4-1/8" ACR Wrought Copper 45 Degree Elbow .....	521.89	132.69
23 23 16 00-0115			<b>ACR Wrought Copper Tee</b> (23 23 16 00-0058) Note: C x C x C		
23 23 16 00-0116	EA		1/4" ACR Wrought Copper Tee .....	54.27	27.29
23 23 16 00-0117	EA		3/8" ACR Wrought Copper Tee .....	55.02	27.29
23 23 16 00-0118	EA		1/2" ACR Wrought Copper Tee .....	52.24	27.29
23 23 16 00-0119	EA		5/8" ACR Wrought Copper Tee .....	55.32	34.31
23 23 16 00-0120	EA		3/4" ACR Wrought Copper Tee .....	77.12	34.31
23 23 16 00-0121	EA		7/8" ACR Wrought Copper Tee .....	61.77	34.76
23 23 16 00-0122	EA		1-1/8" ACR Wrought Copper Tee .....	99.04	46.09
23 23 16 00-0123	EA		1-3/8" ACR Wrought Copper Tee .....	124.16	55.92
23 23 16 00-0124	EA		1-5/8" ACR Wrought Copper Tee .....	161.74	66.35
23 23 16 00-0125	EA		2-1/8" ACR Wrought Copper Tee .....	229.73	88.42
23 23 16 00-0126	EA		2-5/8" ACR Wrought Copper Tee .....	485.30	193.00
23 23 16 00-0127	EA		3-1/8" ACR Wrought Copper Tee .....	599.43	212.19
23 23 16 00-0128	EA		4-1/8" ACR Wrought Copper Tee .....	1,034.22	235.77
23 23 16 00-0129			<b>ACR Wrought Copper Male Adapter</b> (23 23 16 00-0058) Note: C x M		
23 23 16 00-0130	EA		1/4" ACR Wrought Copper Male Adapter .....	45.48	16.38
23 23 16 00-0131	EA		3/8" ACR Wrought Copper Male Adapter .....	52.29	16.38
23 23 16 00-0132	EA		1/2" ACR Wrought Copper Male Adapter .....	40.98	16.38
23 23 16 00-0133			<b>ACR Wrought Copper Female Adapter</b> (23 23 16 00-0058) Note: C x F		
23 23 16 00-0134	EA		1/4" ACR Wrought Copper Female Adapter .....	42.81	16.38
23 23 16 00-0135	EA		3/8" ACR Wrought Copper Female Adapter .....	38.90	16.38
23 23 16 00-0136	EA		1/2" ACR Wrought Copper Female Adapter .....	40.38	16.38
23 23 16 00-0137			<b>ACR Wrought Copper Cap</b> (23 23 16 00-0058) Note: C		
23 23 16 00-0138	EA		1/4" ACR Wrought Copper Cap .....	19.59	10.92
23 23 16 00-0139	EA		3/8" ACR Wrought Copper Cap .....	18.36	10.92
23 23 16 00-0140	EA		1/2" ACR Wrought Copper Cap .....	19.56	10.92
23 23 16 00-0141			<b>ACR Wrought Copper P-Trap</b> (23 23 16 00-0058)		
23 23 16 00-0142	EA		5/8" ACR Wrought Copper P-Trap .....	122.31	13.92
23 23 16 00-0143	EA		3/4" ACR Wrought Copper P-Trap .....	165.99	15.31
23 23 16 00-0144	EA		7/8" ACR Wrought Copper P-Trap .....	145.01	15.31
23 23 16 00-0145	EA		1-1/8" ACR Wrought Copper P-Trap .....	196.96	16.70
23 23 16 00-0146	EA		1-3/8" ACR Wrought Copper P-Trap .....	341.85	16.70
23 23 16 00-0147	EA		1-5/8" ACR Wrought Copper P-Trap .....	481.56	18.09
23 23 16 00-0148	EA		2-1/8" ACR Wrought Copper P-Trap .....	868.04	19.49
23 23 16 00-0149			<b>Sight Glass With Moisture And Liquid Indicator, Solder Connection</b> (23 23 16)		
23 23 16 00-0150	EA		1/4" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	70.47	20.88
23 23 16 00-0151	EA		3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	85.29	25.06
23 23 16 00-0152	EA		1/2" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	102.72	30.63
23 23 16 00-0153	EA		5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	113.49	34.80
23 23 16 00-0154	EA		7/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	151.83	44.54
23 23 16 00-0155	EA		1-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	176.77	54.29
23 23 16 00-0156	EA		1-3/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	265.82	64.04
23 23 16 00-0157	EA		1-5/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	331.05	87.70
23 23 16 00-0158	EA		2-1/8" Outside Diameter Sight Glass With Moisture And Liquid Indicator, Solder Connection .....	407.13	108.58
23 23 16 00-0159			<b>Filter Driers, Solder Connections</b> (23 23 16)		
23 23 16 00-0160			<b>Replaceable Core Type Filter Driers, Solder Connections</b> (23 23 16 00-0159)		
23 23 16 00-0161	EA		5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	583.18	12.53
23 23 16 00-0162	EA		7/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	595.53	15.31
23 23 16 00-0163	EA		1-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	762.67	15.31
23 23 16 00-0164	EA		1-3/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	768.89	16.70
23 23 16 00-0165	EA		1-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	863.87	18.09

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 23 16 00-0166	EA		2-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	986.21	19.49
23 23 16 00-0167	EA		2-5/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	1,155.16	20.88
23 23 16 00-0168	EA		3-1/8" Outside Diameter Replaceable Core Type Filter Drier, Solder Connections .....	1,442.32	20.88
<b>23 23 16 00-0169</b>			<b>Sealed In-Line Filter Driers, Solder Connections (23 23 16 00-0159)</b>		
23 23 16 00-0170	EA		1/4" Outside Diameter, 1/4 To 1 Ton, Sealed In-Line Filter Drier, Solder Connections.....	107.42	12.53
23 23 16 00-0171	EA		3/8" Outside Diameter, 1/2 To 2 Ton, Sealed In-Line Filter Drier, Solder Connections.....	137.28	12.53
23 23 16 00-0172	EA		1/2" Outside Diameter, 1 To 7 Ton, Sealed In-Line Filter Drier, Solder Connections .....	174.64	13.92
23 23 16 00-0173	EA		1/2" Outside Diameter, 2 To 7-1/2 Ton, Sealed In-Line Filter Drier, Solder Connections .....	200.89	13.92
23 23 16 00-0174	EA		5/8" Outside Diameter, 2 To 10 Ton, Sealed In-Line Filter Drier, Solder Connections.....	221.70	13.92
23 23 16 00-0175	EA		5/8" Outside Diameter, 4 To 8 Ton, Sealed In-Line Filter Drier, Solder Connections .....	250.68	13.92
23 23 16 00-0176	EA		7/8" Outside Diameter, 5 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections.....	282.73	15.31
23 23 16 00-0177	EA		7/8" Outside Diameter, 7-1/2 To 20 Ton, Sealed In-Line Filter Drier, Solder Connections .....	397.57	15.31
23 23 16 00-0178	EA		1-1/8" Outside Diameter, 15 To 25 Ton, Sealed In-Line Filter Drier, Solder Connections .....	435.80	15.31
<b>23 23 16 00-0179</b>			<b>Bi-Flow Filter Driers, Solder Connections (23 23 16 00-0159)</b>		
23 23 16 00-0180	EA		1/4" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	143.37	12.53
23 23 16 00-0181	EA		3/8" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	162.87	12.53
23 23 16 00-0182	EA		1/2" Outside Diameter, 1 To 3-1/2 Ton, Bi-Flow Filter Drier, Solder Connections .....	195.57	13.92
23 23 16 00-0183	EA		3/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	173.02	12.53
23 23 16 00-0184	EA		1/2" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	216.51	13.92
23 23 16 00-0185	EA		5/8" Outside Diameter, 1 To 8 Ton, Bi-Flow Filter Drier, Solder Connections.....	254.27	13.92
<b>23 23 16 00-0186</b>			<b>Refrigerant Compressor Discharge Mufflers (23 23 16)</b>		
23 23 16 00-0187	EA		3/8" Outside Diameter, 2 Ton, Refrigerant Compressor Discharge Muffler .....	133.02	12.53
23 23 16 00-0188	EA		1/2" Outside Diameter, 3 Ton, Refrigerant Compressor Discharge Muffler .....	147.01	12.53
23 23 16 00-0189	EA		5/8" Outside Diameter, 5 Ton, Refrigerant Compressor Discharge Muffler .....	176.71	12.53
23 23 16 00-0190	EA		7/8" Outside Diameter, 7-1/2 To 10 Ton, Refrigerant Compressor Discharge Muffler.....	237.76	15.31
23 23 16 00-0191	EA		1-1/8" Outside Diameter, 10 To 15 Ton, Refrigerant Compressor Discharge Muffler .....	311.25	15.31
23 23 16 00-0192	EA		1-3/8" Outside Diameter, 15 To 25 Ton, Refrigerant Compressor Discharge Muffler .....	370.36	16.70
23 23 16 00-0193	EA		1-5/8" Outside Diameter, 25 To 50 Ton, Refrigerant Compressor Discharge Muffler .....	468.36	18.09
23 23 16 00-0194	EA		2-1/8" Outside Diameter, 50 To 75 Ton, Refrigerant Compressor Discharge Muffler .....	827.28	19.49
23 23 16 00-0195	EA		2-5/8" Outside Diameter, 75 To 100 Ton, Refrigerant Compressor Discharge Muffler .....	932.39	20.88
23 23 16 00-0196	EA		3-1/8" Outside Diameter, 100 To 125 Ton, Refrigerant Compressor Discharge Muffler .....	1,155.31	20.88
<b>23 23 16 00-0197</b>			<b>Expansion Valves And Vibration Absorbers (23 23 16)</b>		
<b>23 23 16 00-0198</b>			<b>Thermostatic Expansion Valves (23 23 16 00-0197)</b>		
			Note: Outside diameter pipe sizes. Sporlan TP-S.		
23 23 16 00-0199	EA		3/8" In x 5/8" Out, 1/2 To 3 Ton, Thermostatic Expansion Valve .....	268.57	12.53
23 23 16 00-0200	EA		1/2" In x 7/8" Out, 4 To 5 Ton, Thermostatic Expansion Valve .....	373.56	13.92
23 23 16 00-0201	EA		5/8" In x 7/8" Out, 6 To 8 Ton, Thermostatic Expansion Valve .....	623.19	13.92
23 23 16 00-0202	EA		7/8" In x 1-1/8" Out, 7 To 12 Ton, Thermostatic Expansion Valve .....	739.38	15.31
23 23 16 00-0203	EA		7/8" In x 1-3/8" Out, 15 To 20 Ton, Thermostatic Expansion Valve .....	808.98	15.31
<b>23 23 16 00-0204</b>			<b>Electric Expansion Valves (23 23 16 00-0197)</b>		
			Note: Sporlan SEI or SEH.		
23 23 16 00-0205	EA		1/2 To 11 Ton Electric Expansion Valve .....	629.76	17.40
			Note: Sporlan SEI.		
23 23 16 00-0206	EA		25 Ton Electric Expansion Valve .....	726.06	18.09
			Note: Sporlan SEI.		
23 23 16 00-0207	EA		50 Ton Electric Expansion Valve .....	822.88	18.79
			Note: Sporlan SEI.		
23 23 16 00-0208	EA		100 Ton Electric Expansion Valve .....	972.96	18.79
			Note: Sporlan SEH.		
23 23 16 00-0209	EA		175 Ton Electric Expansion Valve .....	1,093.74	19.49
			Note: Sporlan SEH.		
<b>23 23 16 00-0210</b>			<b>Braided Stainless Steel Over Copper Vibration Absorber (23 23 16 00-0197)</b>		
23 23 16 00-0211	EA		1/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	71.50	18.09
23 23 16 00-0212	EA		3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	73.64	20.88
23 23 16 00-0213	EA		1/2" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	94.89	26.45
23 23 16 00-0214	EA		5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	103.35	32.02
23 23 16 00-0215	EA		3/4" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	122.28	38.98
23 23 16 00-0216	EA		7/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber.....	141.05	44.54
23 23 16 00-0217	EA		1-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	200.89	16.70
23 23 16 00-0218	EA		1-3/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	278.51	18.09
23 23 16 00-0219	EA		1-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	344.80	18.09
23 23 16 00-0220	EA		2-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	464.20	19.49
23 23 16 00-0221	EA		2-5/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	779.57	20.88
23 23 16 00-0222	EA		3-1/8" Outside Diameter Braided Stainless Steel Over Copper Vibration Absorber .....	1,018.37	20.88
<b>23 23 16 00-0223</b>			<b>Accumulator, Refrigerant Suction Line (23 23 16)</b>		
23 23 16 00-0224	EA		3/4" Accumulator, Refrigeration Suction Line .....	230.73	63.34
23 23 16 00-0225	EA		7/8" Accumulator, Refrigeration Suction Line .....	313.16	87.01
23 23 16 00-0226	EA		1-1/8" Accumulator, Refrigeration Suction Line .....	377.66	115.96
23 23 16 00-0227	EA		1 3/8" Accumulator, Refrigeration Suction Line .....	523.80	139.21
23 23 16 00-0228	EA		1-5/8" Accumulator, Refrigeration Suction Line .....	715.80	174.01

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 20 HVAC Piping and Pumps****23 23 Refrigerant Piping**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 23 16 00-0229	EA		2-1/8" Accumulator, Refrigeration Suction Line .....	1,077.33	232.06
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**23 23 16 00-0230 Special Chemicals/Component** (23 23 16)

23 23 16 00-0231	GAL		Special Chemical, Inhibited Propylene Glycol, 100%.....	37.67	
23 23 16 00-0232	GAL		Removal And Storage For Reuse Of Inhibited Propylene Glycol.....	10.80	
23 23 16 00-0233	GAL		Special Chemical, Inhibited Ethylene Glycol, 100%.....	25.96	
23 23 16 00-0234	EA		Internal Coil/Refrigerant Piping Flush .....	383.89	

Note: Up to 10 ton AC system.

**23 23 23 Refrigerants** (23 23)**23 23 23 00-0001 Refrigerant** (23 23 23)

23 23 23 00-0002	LB		R-113 Refrigerant .....	58.19	
23 23 23 00-0003	LB		R-123 Refrigerant .....	42.68	
23 23 23 00-0004	LB		R-134A Refrigerant.....	15.21	
23 23 23 00-0005	LB		R-410A Refrigerant.....	26.39	

**23 25 HVAC Water Treatment** (23 20)**23 25 13 Water Treatment for Closed-Loop Hydronic Systems** (23 25)**23 25 13 00-0001 Polyethylene Chemical Storage Tanks** (23 25 13)

23 25 13 00-0002	EA		15 Gallon Chemical Storage Tank, Polyethylene.....	587.10	116.22
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**23 25 13 00-0003 Bypass Shot Feeders** (23 25 13)

Note: Includes up to 4 ports (in, out, fill and drain). Excludes valves.

**23 25 13 00-0004 In Line Mount, 125 PSIG** (23 25 13 00-0003)

23 25 13 00-0005	EA		1.7 Gallon Bypass Shot Chemical Feeder In Line Mount, 125 PSIG.....	1,339.75	393.96
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**23 25 13 00-0006 Floor Mount, 175 PSIG** (23 25 13 00-0003)

23 25 13 00-0007	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	1,980.13	593.02
23 25 13 00-0008	EA		12 Gallon Bypass Shot Chemical Feeder, Floor Mount, 175 PSIG.....	2,613.56	785.13

**23 25 13 00-0009 Floor Mount, 150 LB ASME Code** (23 25 13 00-0003)

23 25 13 00-0010	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	1,980.13	593.02
23 25 13 00-0011	EA		10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 150 LB ASME Code.....	2,613.56	785.13

**23 25 13 00-0012 Floor Mount, 300 LB ASME Code** (23 25 13 00-0003)

23 25 13 00-0013	EA		5 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	2,364.84	593.02
23 25 13 00-0014	EA		10 Gallon Bypass Shot Chemical Feeder, Floor Mount, 300 LB ASME Code.....	3,013.03	785.13

**23 25 13 00-0015 Gas Chlorinator** (23 25 13)

23 25 13 00-0016	EA		Gas Chlorinator, Wall Or Cylinder Mounted (10 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,411.58	530.72
			<i>For Booster Pump, Add</i>	579.68	
23 25 13 00-0017	EA		Gas Chlorinator, Wall Or Cylinder Mounted (25 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	1,612.93	606.54
			<i>For Booster Pump, Add</i>	662.66	
23 25 13 00-0018	EA		Gas Chlorinator, Wall Or Cylinder Mounted (50 PPD) With Metering Tube And Rate Valve Metering Tube Supply Indicator, Rate Valve, And Diffuser-Ejector Unit.....	2,151.61	459.45
			<i>For Booster Pump, Add</i>	797.48	

**23 30 HVAC Air Distribution** (23)**23 31 HVAC Ducts and Casings** (23 30)

Note: Excludes angle iron, threaded rod, anchor bolts or other external supporting devices other than normal sheet metal straps. See CSI section 05 12 23 00-0393 for angle iron, 23 05 29 00-0001 for threaded rod.

**23 31 13 Metal Ducts** (23 31)**23 31 13 13 Rectangular Metal Ducts** (23 31 13)**23 31 13 13-0001 Steel Sheet Metal Duct** (23 31 13 13)

Note: Includes all fittings, transitions, collars, straps, support straps, fabrication, installation and sealing the joints by tape, mastic, or spray on sealer. Duct Sealing: Class-C requires sealing transverse joints; Class-B requires sealing all transverse joint and longitudinal seams; Class-A requires sealing all transverse joints longitudinal seams and duct wall penetrations.

**23 31 13 13-0002 Galvanized Steel Sheet Metal Ductwork And Sealant** (23 31 13 13-0001)

Note: SMACNA weight for galvanized steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.906 LB/SF; 24 gauge - 1.156 LB/SF; 22 gauge - 1.406 LB/SF; 20 gauge - 1.656 LB/SF; 18 gauge - 2.156 LB/SF; 16 gauge - 2.656 LB/SF

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 13-0003	LB		Seal Class C, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork .....	14.05	3.78
			For Polyvinyl Chloride (PVC) Coated, Add	0.48	
			For Up To 200, Add	4.94	
			For >200 To 500, Add	3.13	
			For >500 To 1,000, Add	2.14	
			For >1,000 To 2,000, Add	1.20	
			For >2,000 To 5,000, Add	0.54	
			For Work In Restricted Working Space, Add	3.49	
			For Elevated Installation >10' To 15', Add	0.70	
			For Elevated Installation >15' To 20', Add	1.40	
			For Elevated Installation >20' To 25', Add	1.74	
			For Elevated Installation >25' To 30', Add	2.44	
			For Elevated Installation >30' To 35', Add	2.79	
			For Elevated Installation >35' To 40', Add	3.49	
			For Elevated Installation >40', Add	3.84	
23 31 13 13-0004	LB		Seal Class B, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	16.04	3.78
			For Polyvinyl Chloride (PVC) Coated, Add	0.53	
			For Up To 200, Add	5.61	
			For >200 To 500, Add	3.55	
			For >500 To 1,000, Add	2.43	
			For >1,000 To 2,000, Add	1.36	
			For >2,000 To 5,000, Add	0.62	
			For Work In Restricted Working Space, Add	4.01	
			For Elevated Installation >10' To 15', Add	0.80	
			For Elevated Installation >15' To 20', Add	1.61	
			For Elevated Installation >20' To 25', Add	2.01	
			For Elevated Installation >25' To 30', Add	2.81	
			For Elevated Installation >30' To 35', Add	3.21	
			For Elevated Installation >35' To 40', Add	4.01	
			For Elevated Installation >40', Add	4.42	
23 31 13 13-0005	LB		Seal Class A, Rectangular Or Square, Galvanized Steel Sheet Metal Ductwork.....	19.20	3.78
			For Polyvinyl Chloride (PVC) Coated, Add	0.58	
			For Up To 200, Add	6.63	
			For >200 To 500, Add	4.18	
			For >500 To 1,000, Add	2.89	
			For >1,000 To 2,000, Add	1.62	
			For >2,000 To 5,000, Add	0.74	
			For Work In Restricted Working Space, Add	4.89	
			For Elevated Installation >10' To 15', Add	0.98	
			For Elevated Installation >15' To 20', Add	1.95	
			For Elevated Installation >20' To 25', Add	2.44	
			For Elevated Installation >25' To 30', Add	3.42	
			For Elevated Installation >30' To 35', Add	3.91	
			For Elevated Installation >35' To 40', Add	4.89	
			For Elevated Installation >40', Add	5.38	
23 31 13 13-0006			<b>Alloy 3003-H14, Aluminum Sheet Metal Ductwork</b> <small>(23 31 13 13-0001)</small>		
			Note: SMACNA weight for aluminum ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.224 LB/SF; 24 gauge - 0.282 LB/SF; 22 gauge - 0.352 LB/SF; 20 gauge - 0.451 LB/SF; 18 gauge - 0.563 LB/SF; 16 gauge - 0.718 LB/SF; 14 gauge - 0.901 LB/SF; 12 gauge - 0.141 LB/SF		
23 31 13 13-0007	LB		Seal Class C, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	27.39	3.78
			For Work In Restricted Working Space, Add	6.89	
			For Up To 200, Add	9.54	
			For >200 To 500, Add	6.03	
			For >500 To 1,000, Add	4.14	
			For >1,000 To 2,000, Add	2.32	
			For >2,000 To 5,000, Add	1.05	
			For Elevated Installation >10' To 15', Add	1.38	
			For Elevated Installation >15' To 20', Add	2.76	
			For Elevated Installation >20' To 25', Add	3.45	
			For Elevated Installation >25' To 30', Add	4.83	
			For Elevated Installation >30' To 35', Add	5.52	
			For Elevated Installation >35' To 40', Add	6.89	
			For Elevated Installation >40', Add	7.58	
23 31 13 13-0008	LB		Seal Class B, Alloy 3003-H14, Aluminum Sheet Metal Ductwork.....	31.08	3.78
			For Work In Restricted Working Space, Add	7.93	
			For Up To 200, Add	10.72	
			For >200 To 500, Add	6.76	
			For >500 To 1,000, Add	4.68	
			For >1,000 To 2,000, Add	2.63	
			For >2,000 To 5,000, Add	1.20	
			For Elevated Installation >10' To 15', Add	1.59	
			For Elevated Installation >15' To 20', Add	3.17	
			For Elevated Installation >20' To 25', Add	3.96	
			For Elevated Installation >25' To 30', Add	5.55	
			For Elevated Installation >30' To 35', Add	6.34	
			For Elevated Installation >35' To 40', Add	7.93	
			For Elevated Installation >40', Add	8.72	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 13-0009	LB Seal Class A, Alloy 3003-H14, Aluminum Sheet Metal Ductwork .....	37.08	3.78
	<i>For Work In Restricted Working Space, Add</i>	9.65	
	<i>For Up To 200, Add</i>	12.59	
	<i>For &gt;200 To 500, Add</i>	7.90	
	<i>For &gt;500 To 1,000, Add</i>	5.53	
	<i>For &gt;1,000 To 2,000, Add</i>	3.11	
	<i>For &gt;2,000 To 5,000, Add</i>	1.43	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.93	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.86	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.83	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.76	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.72	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.65	
	<i>For Elevated Installation &gt;40', Add</i>	10.62	

**23 31 13 13-0010 Type 304, Stainless Steel Sheet Metal Ductwork** (23 31 13 13-0001)

Note: SMACNA weight for stainless steel ductwork LB/SF (surface areas) by gauge: 26 gauge - 0.748 LB/SF; 24 gauge - 0.987 LB/SF; 22 gauge - 1.231 LB/SF; 20 gauge - 1.491 LB/SF; 18 gauge - 2.016 LB/SF; 16 gauge - 2.499 LB/SF; 14 gauge - 3.154 LB/SF; 12 gauge - 4.427 LB/SF

23 31 13 13-0011	LB Seal Class C, Type 304, Stainless Steel Sheet Metal Ductwork.....	20.02	5.03
	<i>For Work In Restricted Working Space, Add</i>	4.24	
	<i>For Welded Seams, Add</i>	7.36	
	<i>For Up To 200, Add</i>	7.78	
	<i>For &gt;200 To 500, Add</i>	5.08	
	<i>For &gt;500 To 1,000, Add</i>	3.22	
	<i>For &gt;1,000 To 2,000, Add</i>	1.78	
	<i>For &gt;2,000 To 5,000, Add</i>	0.74	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.12	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	2.97	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.39	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.24	
	<i>For Elevated Installation &gt;40', Add</i>	4.66	
23 31 13 13-0012	LB Seal Class B, Type 304, Stainless Steel Sheet Metal Ductwork.....	23.18	5.03
	<i>For Work In Restricted Working Space, Add</i>	5.11	
	<i>For Welded Seams, Add</i>	8.82	
	<i>For Up To 200, Add</i>	8.80	
	<i>For &gt;200 To 500, Add</i>	5.71	
	<i>For &gt;500 To 1,000, Add</i>	3.68	
	<i>For &gt;1,000 To 2,000, Add</i>	2.04	
	<i>For &gt;2,000 To 5,000, Add</i>	0.87	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.02	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.04	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.55	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.58	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.09	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.11	
	<i>For Elevated Installation &gt;40', Add</i>	5.62	
23 31 13 13-0013	LB Seal Class A, Type 304, Stainless Steel Sheet Metal Ductwork.....	26.16	5.03
	<i>For Work In Restricted Working Space, Add</i>	5.93	
	<i>For Welded Seams, Add</i>	10.20	
	<i>For Up To 200, Add</i>	9.77	
	<i>For &gt;200 To 500, Add</i>	6.31	
	<i>For &gt;500 To 1,000, Add</i>	4.11	
	<i>For &gt;1,000 To 2,000, Add</i>	2.28	
	<i>For &gt;2,000 To 5,000, Add</i>	0.98	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.19	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.37	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.97	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.15	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.74	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.93	
	<i>For Elevated Installation &gt;40', Add</i>	6.52	

**23 31 13 16 Round and Flat-Oval Spiral Ducts** (23 31 13)**23 31 13 16-0001 Low Pressure Round And Flat-Oval Duct** (23 31 13 16)

Note: 7" diameter round = 4" x 11.85" flat oval. 8" diameter round = 4" x 15" flat oval. 10" diameter round = 4" x 25.99" or 6" x 15.42" or 8" x 11.14" flat oval. 12" diameter round = 6" x 23.28" or 8" x 15.85" flat oval. 14" diameter round = 6" x 32.70" or 8" x 22.14" or 10" x 17.85" or 12" x 15.14" flat oval. 16" diameter round = 6" x 43.70" or 8" x 29.99" or 10" x 24.14" or 12" x 19.85" or 14" x 17.14" flat oval. 18" diameter round = 6" x 59.41" or 8" x 39.42" or 10" x 30.42" or 12" x 24.57" or 14" x 21.85" or 16" x 19.14" flat oval. 20" diameter round = 8" x 51.98" or 10" x 38.27" or 12" x 30.85" or 14" x 26.57" or 16" x 23.85" or 18" x 21.14" flat oval. Includes sealing the joints by tape, mastic, or spray on sealer.

**23 31 13 16-0002 Galvanized Sheet Metal Round And Flat-Oval Ducts** (23 31 13 16-0001)

Note: Includes straps and supports.



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0003	LF	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	8.49	3.02
		For Seal Class B, Add	0.93	
		For Seal Class A, Add	2.47	
		For Up To 20', Add	0.69	
		For >20' To 50', Add	0.28	
		For >200' To 500', Deduct	-0.17	
		For >500', Deduct	-0.29	
		For 28 Gauge, Deduct	-0.32	
		For 24 Gauge, Add	0.32	
		For 22 Gauge, Add	0.64	
		For 20 Gauge, Add	0.96	
		For 18 Gauge, Add	1.27	
		For 16 Gauge, Add	1.56	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	1.71	
		For Work In Restricted Working Space, Add	1.85	
		For Elevated Installation >10' To 15', Add	0.62	
		For Elevated Installation >15' To 20', Add	1.24	
		For Elevated Installation >20' To 25', Add	1.55	
		For Elevated Installation >25' To 30', Add	2.16	
		For Elevated Installation >30' To 35', Add	2.47	
		For Elevated Installation >35' To 40', Add	3.09	
		For Elevated Installation >40', Add	3.40	
23 31 13 16-0004	LF	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	9.78	3.43
		For Seal Class B, Add	1.03	
		For Seal Class A, Add	2.74	
		For Up To 20', Add	0.88	
		For >20' To 50', Add	0.35	
		For >200' To 500', Deduct	-0.22	
		For >500', Deduct	-0.37	
		For 28 Gauge, Deduct	-0.40	
		For 24 Gauge, Add	0.40	
		For 22 Gauge, Add	0.80	
		For 20 Gauge, Add	1.21	
		For 18 Gauge, Add	1.61	
		For 16 Gauge, Add	1.97	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.16	
		For Work In Restricted Working Space, Add	2.06	
		For Elevated Installation >10' To 15', Add	0.69	
		For Elevated Installation >15' To 20', Add	1.37	
		For Elevated Installation >20' To 25', Add	1.72	
		For Elevated Installation >25' To 30', Add	2.40	
		For Elevated Installation >30' To 35', Add	2.74	
		For Elevated Installation >35' To 40', Add	3.43	
		For Elevated Installation >40', Add	3.77	
23 31 13 16-0005	LF	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	11.09	4.12
		For Seal Class B, Add	1.16	
		For Seal Class A, Add	3.09	
		For Up To 20', Add	1.01	
		For >20' To 50', Add	0.40	
		For >200' To 500', Deduct	-0.25	
		For >500', Deduct	-0.42	
		For 28 Gauge, Deduct	-0.47	
		For 24 Gauge, Add	0.47	
		For 22 Gauge, Add	0.93	
		For 20 Gauge, Add	1.40	
		For 18 Gauge, Add	1.85	
		For 16 Gauge, Add	2.27	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.49	
		For Work In Restricted Working Space, Add	2.32	
		For Elevated Installation >10' To 15', Add	0.77	
		For Elevated Installation >15' To 20', Add	1.54	
		For Elevated Installation >20' To 25', Add	1.93	
		For Elevated Installation >25' To 30', Add	2.70	
		For Elevated Installation >30' To 35', Add	3.09	
		For Elevated Installation >35' To 40', Add	3.86	
		For Elevated Installation >40', Add	4.25	
23 31 13 16-0006	LF	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	12.46	4.80
		For Seal Class B, Add	1.32	
		For Seal Class A, Add	3.53	
		For Up To 20', Add	1.09	
		For >20' To 50', Add	0.44	
		For >200' To 500', Deduct	-0.27	
		For >500', Deduct	-0.46	
		For 28 Gauge, Deduct	-0.50	
		For 24 Gauge, Add	0.50	
		For 22 Gauge, Add	1.00	
		For 20 Gauge, Add	1.51	
		For 18 Gauge, Add	2.00	
		For 16 Gauge, Add	2.46	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.69	
		For Work In Restricted Working Space, Add	2.65	
		For Elevated Installation >10' To 15', Add	0.88	
		For Elevated Installation >15' To 20', Add	1.76	
		For Elevated Installation >20' To 25', Add	2.21	
		For Elevated Installation >25' To 30', Add	3.09	
		For Elevated Installation >30' To 35', Add	3.53	
		For Elevated Installation >35' To 40', Add	4.41	
		For Elevated Installation >40', Add	4.85	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0007	LF 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	14.19	5.49
	For Seal Class B, Add	1.54	
	For Seal Class A, Add	4.12	
	For Up To 20', Add	1.17	
	For >20' To 50', Add	0.47	
	For >200' To 500', Deduct	-0.29	
	For >500', Deduct	-0.49	
	For 28 Gauge, Deduct	-0.54	
	For 24 Gauge, Add	0.54	
	For 22 Gauge, Add	1.07	
	For 20 Gauge, Add	1.61	
	For 18 Gauge, Add	2.15	
	For 16 Gauge, Add	2.63	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	2.89	
	For Work In Restricted Working Space, Add	3.09	
	For Elevated Installation >10' To 15', Add	1.03	
	For Elevated Installation >15' To 20', Add	2.06	
	For Elevated Installation >20' To 25', Add	2.57	
	For Elevated Installation >25' To 30', Add	3.60	
	For Elevated Installation >30' To 35', Add	4.12	
	For Elevated Installation >35' To 40', Add	5.15	
	For Elevated Installation >40', Add	5.66	
23 31 13 16-0008	LF 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	18.03	6.86
	For Seal Class B, Add	1.85	
	For Seal Class A, Add	4.94	
	For Up To 20', Add	1.70	
	For >20' To 50', Add	0.68	
	For >200' To 500', Deduct	-0.43	
	For >500', Deduct	-0.71	
	For 28 Gauge, Deduct	-0.79	
	For 24 Gauge, Add	0.78	
	For 22 Gauge, Add	1.56	
	For 20 Gauge, Add	2.35	
	For 18 Gauge, Add	3.12	
	For 16 Gauge, Add	3.83	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.20	
	For Work In Restricted Working Space, Add	3.71	
	For Elevated Installation >10' To 15', Add	1.24	
	For Elevated Installation >15' To 20', Add	2.47	
	For Elevated Installation >20' To 25', Add	3.09	
	For Elevated Installation >25' To 30', Add	4.32	
	For Elevated Installation >30' To 35', Add	4.94	
	For Elevated Installation >35' To 40', Add	6.18	
	For Elevated Installation >40', Add	6.79	
23 31 13 16-0009	LF 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	22.08	9.19
	For Seal Class B, Add	2.32	
	For Seal Class A, Add	6.18	
	For Up To 20', Add	1.99	
	For >20' To 50', Add	0.80	
	For >200' To 500', Deduct	-0.50	
	For >500', Deduct	-0.83	
	For 28 Gauge, Deduct	-0.92	
	For 24 Gauge, Add	0.92	
	For 22 Gauge, Add	1.83	
	For 20 Gauge, Add	2.75	
	For 18 Gauge, Add	3.65	
	For 16 Gauge, Add	4.48	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.91	
	For Work In Restricted Working Space, Add	4.63	
	For Elevated Installation >10' To 15', Add	1.54	
	For Elevated Installation >15' To 20', Add	3.09	
	For Elevated Installation >20' To 25', Add	3.86	
	For Elevated Installation >25' To 30', Add	5.40	
	For Elevated Installation >30' To 35', Add	6.18	
	For Elevated Installation >35' To 40', Add	7.72	
	For Elevated Installation >40', Add	8.49	
23 31 13 16-0010	LF 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	26.83	13.72
	For Seal Class B, Add	2.89	
	For Seal Class A, Add	7.72	
	For Up To 20', Add	2.26	
	For >20' To 50', Add	0.90	
	For >200' To 500', Deduct	-0.57	
	For >500', Deduct	-0.94	
	For 28 Gauge, Deduct	-1.04	
	For 24 Gauge, Add	1.04	
	For 22 Gauge, Add	2.08	
	For 20 Gauge, Add	3.12	
	For 18 Gauge, Add	4.15	
	For 16 Gauge, Add	5.09	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.58	
	For Work In Restricted Working Space, Add	5.79	
	For Elevated Installation >10' To 15', Add	1.93	
	For Elevated Installation >15' To 20', Add	3.86	
	For Elevated Installation >20' To 25', Add	4.82	
	For Elevated Installation >25' To 30', Add	6.75	
	For Elevated Installation >30' To 35', Add	7.72	
	For Elevated Installation >35' To 40', Add	9.65	
	For Elevated Installation >40', Add	10.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 13 16-0011	LF		16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	36.09	18.39
			For Seal Class B, Add	3.86	
			For Seal Class A, Add	10.29	
			For Up To 20', Add	3.11	
			For >20' To 50', Add	1.24	
			For >200' To 500', Deduct	-0.78	
			For >500', Deduct	-1.30	
			For 28 Gauge, Deduct	-1.43	
			For 24 Gauge, Add	1.43	
			For 22 Gauge, Add	2.85	
			For 20 Gauge, Add	4.29	
			For 18 Gauge, Add	5.70	
			For 16 Gauge, Add	6.99	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.67	
			For Work In Restricted Working Space, Add	7.72	
			For Elevated Installation >10' To 15', Add	2.57	
			For Elevated Installation >15' To 20', Add	5.15	
			For Elevated Installation >20' To 25', Add	6.43	
			For Elevated Installation >25' To 30', Add	9.01	
			For Elevated Installation >30' To 35', Add	10.29	
			For Elevated Installation >35' To 40', Add	12.87	
			For Elevated Installation >40', Add	14.15	
23 31 13 16-0012	LF		18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	50.90	22.09
			For Up To 20', Add	6.01	
			For >20' To 50', Add	2.40	
			For >200' To 500', Deduct	-1.50	
			For >500', Deduct	-2.50	
			For 28 Gauge, Deduct	-2.77	
			For 24 Gauge, Add	2.76	
			For 22 Gauge, Add	5.52	
			For 20 Gauge, Add	8.29	
			For 18 Gauge, Add	11.01	
			For 16 Gauge, Add	13.51	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.81	
			For Work In Restricted Working Space, Add	9.26	
			For Elevated Installation >10' To 15', Add	3.09	
			For Elevated Installation >15' To 20', Add	6.18	
			For Elevated Installation >20' To 25', Add	7.72	
			For Elevated Installation >25' To 30', Add	10.81	
			For Elevated Installation >30' To 35', Add	12.35	
			For Elevated Installation >35' To 40', Add	15.44	
			For Elevated Installation >40', Add	16.98	
23 31 13 16-0013	LF		20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Duct.....	58.03	25.52
			For Up To 20', Add	6.71	
			For >20' To 50', Add	2.68	
			For >200' To 500', Deduct	-1.68	
			For >500', Deduct	-2.79	
			For 28 Gauge, Deduct	-3.10	
			For 24 Gauge, Add	3.08	
			For 22 Gauge, Add	6.16	
			For 20 Gauge, Add	9.25	
			For 18 Gauge, Add	12.29	
			For 16 Gauge, Add	15.09	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.54	
			For Work In Restricted Working Space, Add	10.70	
			For Elevated Installation >10' To 15', Add	3.57	
			For Elevated Installation >15' To 20', Add	7.14	
			For Elevated Installation >20' To 25', Add	8.92	
			For Elevated Installation >25' To 30', Add	12.49	
			For Elevated Installation >30' To 35', Add	14.27	
			For Elevated Installation >35' To 40', Add	17.84	
			For Elevated Installation >40', Add	19.62	

**23 31 13 16-0014 Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbows (23 31 13 16-0001)**

Note: Up to 90 degree.

23 31 13 16-0015	EA		4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow.....	43.24	18.32
			For Seal Class B, Add	5.50	
			For Seal Class A, Add	14.66	
			For 28 Gauge, Deduct	-0.91	
			For 24 Gauge, Add	0.91	
			For 22 Gauge, Add	1.82	
			For 20 Gauge, Add	2.73	
			For 18 Gauge, Add	3.63	
			For 16 Gauge, Add	4.46	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.88	
			For Work In Restricted Working Space, Add	10.99	
			For Elevated Installation >10' To 15', Add	3.66	
			For Elevated Installation >15' To 20', Add	7.33	
			For Elevated Installation >20' To 25', Add	9.16	
			For Elevated Installation >25' To 30', Add	12.82	
			For Elevated Installation >30' To 35', Add	14.66	
			For Elevated Installation >35' To 40', Add	18.32	
			For Elevated Installation >40', Add	20.15	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

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WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0016	EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	49.44	21.13
	For Seal Class B, Add	6.34	
	For Seal Class A, Add	16.90	
	For 28 Gauge, Deduct	-0.99	
	For 24 Gauge, Add	0.99	
	For 22 Gauge, Add	1.98	
	For 20 Gauge, Add	2.97	
	For 18 Gauge, Add	3.95	
	For 16 Gauge, Add	4.85	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.31	
	For Work In Restricted Working Space, Add	12.68	
	For Elevated Installation >10' To 15', Add	4.23	
	For Elevated Installation >15' To 20', Add	8.45	
	For Elevated Installation >20' To 25', Add	10.57	
	For Elevated Installation >25' To 30', Add	14.79	
	For Elevated Installation >30' To 35', Add	16.90	
	For Elevated Installation >35' To 40', Add	21.13	
	For Elevated Installation >40', Add	23.24	
23 31 13 16-0017	EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	58.03	24.98
	For Seal Class B, Add	7.49	
	For Seal Class A, Add	19.98	
	For 28 Gauge, Deduct	-1.12	
	For 24 Gauge, Add	1.12	
	For 22 Gauge, Add	2.23	
	For 20 Gauge, Add	3.35	
	For 18 Gauge, Add	4.44	
	For 16 Gauge, Add	5.45	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.98	
	For Work In Restricted Working Space, Add	14.99	
	For Elevated Installation >10' To 15', Add	5.00	
	For Elevated Installation >15' To 20', Add	9.99	
	For Elevated Installation >20' To 25', Add	12.49	
	For Elevated Installation >25' To 30', Add	17.48	
	For Elevated Installation >30' To 35', Add	19.98	
	For Elevated Installation >35' To 40', Add	24.98	
	For Elevated Installation >40', Add	27.47	
23 31 13 16-0018	EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	74.14	32.11
	For Seal Class B, Add	9.63	
	For Seal Class A, Add	25.69	
	For 28 Gauge, Deduct	-1.37	
	For 24 Gauge, Add	1.37	
	For 22 Gauge, Add	2.73	
	For 20 Gauge, Add	4.11	
	For 18 Gauge, Add	5.46	
	For 16 Gauge, Add	6.70	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.34	
	For Work In Restricted Working Space, Add	19.27	
	For Elevated Installation >10' To 15', Add	6.42	
	For Elevated Installation >15' To 20', Add	12.84	
	For Elevated Installation >20' To 25', Add	16.06	
	For Elevated Installation >25' To 30', Add	22.48	
	For Elevated Installation >30' To 35', Add	25.69	
	For Elevated Installation >35' To 40', Add	32.11	
	For Elevated Installation >40', Add	35.32	
23 31 13 16-0019	EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	88.94	39.11
	For Seal Class B, Add	11.73	
	For Seal Class A, Add	31.29	
	For 28 Gauge, Deduct	-1.48	
	For 24 Gauge, Add	1.48	
	For 22 Gauge, Add	2.95	
	For 20 Gauge, Add	4.44	
	For 18 Gauge, Add	5.90	
	For 16 Gauge, Add	7.24	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.93	
	For Work In Restricted Working Space, Add	23.47	
	For Elevated Installation >10' To 15', Add	7.82	
	For Elevated Installation >15' To 20', Add	15.64	
	For Elevated Installation >20' To 25', Add	19.56	
	For Elevated Installation >25' To 30', Add	27.38	
	For Elevated Installation >30' To 35', Add	31.29	
	For Elevated Installation >35' To 40', Add	39.11	
	For Elevated Installation >40', Add	43.02	
23 31 13 16-0020	EA 10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	136.29	61.07
	For Seal Class B, Add	18.32	
	For Seal Class A, Add	48.86	
	For 28 Gauge, Deduct	-1.96	
	For 24 Gauge, Add	1.95	
	For 22 Gauge, Add	3.90	
	For 20 Gauge, Add	5.86	
	For 18 Gauge, Add	7.78	
	For 16 Gauge, Add	9.55	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.47	
	For Work In Restricted Working Space, Add	36.64	
	For Elevated Installation >10' To 15', Add	12.21	
	For Elevated Installation >15' To 20', Add	24.43	
	For Elevated Installation >20' To 25', Add	30.54	
	For Elevated Installation >25' To 30', Add	42.75	
	For Elevated Installation >30' To 35', Add	48.86	
	For Elevated Installation >35' To 40', Add	61.07	
	For Elevated Installation >40', Add	67.18	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0021	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	187.97	84.39
		For Seal Class B, Add	25.32	
		For Seal Class A, Add	67.52	
		For 28 Gauge, Deduct	-2.66	
		For 24 Gauge, Add	2.65	
		For 22 Gauge, Add	5.28	
		For 20 Gauge, Add	7.94	
		For 18 Gauge, Add	10.54	
		For 16 Gauge, Add	12.94	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.19	
		For Work In Restricted Working Space, Add	50.64	
		For Elevated Installation >10' To 15', Add	16.88	
		For Elevated Installation >15' To 20', Add	33.76	
		For Elevated Installation >20' To 25', Add	42.20	
		For Elevated Installation >25' To 30', Add	59.08	
		For Elevated Installation >30' To 35', Add	67.52	
		For Elevated Installation >35' To 40', Add	84.40	
		For Elevated Installation >40', Add	92.84	
23 31 13 16-0022	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	229.05	99.83
		For Seal Class B, Add	29.95	
		For Seal Class A, Add	79.87	
		For 28 Gauge, Deduct	-4.07	
		For 24 Gauge, Add	4.05	
		For 22 Gauge, Add	8.09	
		For 20 Gauge, Add	12.16	
		For 18 Gauge, Add	16.16	
		For 16 Gauge, Add	19.83	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.74	
		For Work In Restricted Working Space, Add	59.90	
		For Elevated Installation >10' To 15', Add	19.97	
		For Elevated Installation >15' To 20', Add	39.93	
		For Elevated Installation >20' To 25', Add	49.92	
		For Elevated Installation >25' To 30', Add	69.88	
		For Elevated Installation >30' To 35', Add	79.87	
		For Elevated Installation >35' To 40', Add	99.84	
		For Elevated Installation >40', Add	109.82	
23 31 13 16-0023	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	261.68	109.78
		For Seal Class B, Add	32.94	
		For Seal Class A, Add	87.83	
		For 28 Gauge, Deduct	-5.83	
		For 24 Gauge, Add	5.81	
		For 22 Gauge, Add	11.60	
		For 20 Gauge, Add	17.43	
		For 18 Gauge, Add	23.16	
		For 16 Gauge, Add	28.42	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	31.16	
		For Work In Restricted Working Space, Add	65.87	
		For Elevated Installation >10' To 15', Add	21.96	
		For Elevated Installation >15' To 20', Add	43.91	
		For Elevated Installation >20' To 25', Add	54.89	
		For Elevated Installation >25' To 30', Add	76.85	
		For Elevated Installation >30' To 35', Add	87.83	
		For Elevated Installation >35' To 40', Add	109.79	
		For Elevated Installation >40', Add	120.76	
23 31 13 16-0024	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	291.54	114.24
		For Seal Class B, Add	34.27	
		For Seal Class A, Add	91.40	
		For 28 Gauge, Deduct	-8.73	
		For 24 Gauge, Add	8.70	
		For 22 Gauge, Add	17.37	
		For 20 Gauge, Add	26.10	
		For 18 Gauge, Add	34.68	
		For 16 Gauge, Add	42.56	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	46.66	
		For Work In Restricted Working Space, Add	68.55	
		For Elevated Installation >10' To 15', Add	22.85	
		For Elevated Installation >15' To 20', Add	45.70	
		For Elevated Installation >20' To 25', Add	57.12	
		For Elevated Installation >25' To 30', Add	79.97	
		For Elevated Installation >30' To 35', Add	91.40	
		For Elevated Installation >35' To 40', Add	114.25	
		For Elevated Installation >40', Add	125.67	
23 31 13 16-0025	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Adjustable Elbow .....	320.11	118.02
		For Seal Class B, Add	35.41	
		For Seal Class A, Add	94.42	
		For 28 Gauge, Deduct	-11.64	
		For 24 Gauge, Add	11.60	
		For 22 Gauge, Add	23.16	
		For 20 Gauge, Add	34.80	
		For 18 Gauge, Add	46.24	
		For 16 Gauge, Add	56.75	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	62.21	
		For Work In Restricted Working Space, Add	70.81	
		For Elevated Installation >10' To 15', Add	23.60	
		For Elevated Installation >15' To 20', Add	47.21	
		For Elevated Installation >20' To 25', Add	59.01	
		For Elevated Installation >25' To 30', Add	82.61	
		For Elevated Installation >30' To 35', Add	94.42	
		For Elevated Installation >35' To 40', Add	118.02	
		For Elevated Installation >40', Add	129.82	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0026	Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbows <small>(23 31 13 16-0001)</small>		
23 31 13 16-0027	EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	36.43	12.35
	For Seal Class B, Add	4.63	
	For Seal Class A, Add	12.35	
	For 28 Gauge, Deduct	-0.77	
	For 24 Gauge, Add	0.77	
	For 22 Gauge, Add	1.53	
	For 20 Gauge, Add	2.30	
	For 18 Gauge, Add	3.05	
	For 16 Gauge, Add	3.75	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.11	
	For Work In Restricted Working Space, Add	9.26	
	For Elevated Installation >10' To 15', Add	3.09	
	For Elevated Installation >15' To 20', Add	6.18	
	For Elevated Installation >20' To 25', Add	7.72	
	For Elevated Installation >25' To 30', Add	10.81	
	For Elevated Installation >30' To 35', Add	12.35	
	For Elevated Installation >35' To 40', Add	15.44	
	For Elevated Installation >40', Add	16.98	
23 31 13 16-0028	EA 5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	41.61	14.14
	For Seal Class B, Add	5.29	
	For Seal Class A, Add	14.12	
	For 28 Gauge, Deduct	-0.88	
	For 24 Gauge, Add	0.87	
	For 22 Gauge, Add	1.74	
	For 20 Gauge, Add	2.62	
	For 18 Gauge, Add	3.48	
	For 16 Gauge, Add	4.27	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.68	
	For Work In Restricted Working Space, Add	10.59	
	For Elevated Installation >10' To 15', Add	3.53	
	For Elevated Installation >15' To 20', Add	7.06	
	For Elevated Installation >20' To 25', Add	8.82	
	For Elevated Installation >25' To 30', Add	12.35	
	For Elevated Installation >30' To 35', Add	14.12	
	For Elevated Installation >35' To 40', Add	17.65	
	For Elevated Installation >40', Add	19.41	
23 31 13 16-0029	EA 6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	48.37	16.47
	For Seal Class B, Add	6.18	
	For Seal Class A, Add	16.47	
	For 28 Gauge, Deduct	-1.00	
	For 24 Gauge, Add	0.99	
	For 22 Gauge, Add	1.98	
	For 20 Gauge, Add	2.98	
	For 18 Gauge, Add	3.96	
	For 16 Gauge, Add	4.86	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.33	
	For Work In Restricted Working Space, Add	12.35	
	For Elevated Installation >10' To 15', Add	4.12	
	For Elevated Installation >15' To 20', Add	8.23	
	For Elevated Installation >20' To 25', Add	10.29	
	For Elevated Installation >25' To 30', Add	14.41	
	For Elevated Installation >30' To 35', Add	16.47	
	For Elevated Installation >35' To 40', Add	20.59	
	For Elevated Installation >40', Add	22.64	
23 31 13 16-0030	EA 7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	57.04	19.76
	For Seal Class B, Add	7.41	
	For Seal Class A, Add	19.76	
	For 28 Gauge, Deduct	-1.06	
	For 24 Gauge, Add	1.05	
	For 22 Gauge, Add	2.10	
	For 20 Gauge, Add	3.16	
	For 18 Gauge, Add	4.20	
	For 16 Gauge, Add	5.15	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.65	
	For Work In Restricted Working Space, Add	14.82	
	For Elevated Installation >10' To 15', Add	4.94	
	For Elevated Installation >15' To 20', Add	9.88	
	For Elevated Installation >20' To 25', Add	12.35	
	For Elevated Installation >25' To 30', Add	17.29	
	For Elevated Installation >30' To 35', Add	19.76	
	For Elevated Installation >35' To 40', Add	24.71	
	For Elevated Installation >40', Add	27.18	
23 31 13 16-0031	EA 8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	70.60	24.70
	For Seal Class B, Add	9.26	
	For Seal Class A, Add	24.70	
	For 28 Gauge, Deduct	-1.23	
	For 24 Gauge, Add	1.22	
	For 22 Gauge, Add	2.44	
	For 20 Gauge, Add	3.66	
	For 18 Gauge, Add	4.87	
	For 16 Gauge, Add	5.97	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.55	
	For Work In Restricted Working Space, Add	18.53	
	For Elevated Installation >10' To 15', Add	6.18	
	For Elevated Installation >15' To 20', Add	12.35	
	For Elevated Installation >20' To 25', Add	15.44	
	For Elevated Installation >25' To 30', Add	21.61	
	For Elevated Installation >30' To 35', Add	24.70	
	For Elevated Installation >35' To 40', Add	30.88	
	For Elevated Installation >40', Add	33.96	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0032	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	94.99	32.94
		For Seal Class B, Add	12.35	
		For Seal Class A, Add	32.94	
		For 28 Gauge, Deduct	-1.75	
		For 24 Gauge, Add	1.75	
		For 22 Gauge, Add	3.49	
		For 20 Gauge, Add	5.24	
		For 18 Gauge, Add	6.96	
		For 16 Gauge, Add	8.54	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.36	
		For Work In Restricted Working Space, Add	24.70	
		For Elevated Installation >10' To 15', Add	8.23	
		For Elevated Installation >15' To 20', Add	16.47	
		For Elevated Installation >20' To 25', Add	20.59	
		For Elevated Installation >25' To 30', Add	28.82	
		For Elevated Installation >30' To 35', Add	32.94	
		For Elevated Installation >35' To 40', Add	41.17	
		For Elevated Installation >40', Add	45.29	
23 31 13 16-0033	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	140.25	49.41
		For Seal Class B, Add	18.53	
		For Seal Class A, Add	49.40	
		For 28 Gauge, Deduct	-2.32	
		For 24 Gauge, Add	2.31	
		For 22 Gauge, Add	4.61	
		For 20 Gauge, Add	6.93	
		For 18 Gauge, Add	9.21	
		For 16 Gauge, Add	11.30	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.39	
		For Work In Restricted Working Space, Add	37.05	
		For Elevated Installation >10' To 15', Add	12.35	
		For Elevated Installation >15' To 20', Add	24.70	
		For Elevated Installation >20' To 25', Add	30.88	
		For Elevated Installation >25' To 30', Add	43.23	
		For Elevated Installation >30' To 35', Add	49.40	
		For Elevated Installation >35' To 40', Add	61.76	
		For Elevated Installation >40', Add	67.93	
23 31 13 16-0034	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	189.15	63.12
		For Seal Class B, Add	23.67	
		For Seal Class A, Add	63.13	
		For 28 Gauge, Deduct	-4.34	
		For 24 Gauge, Add	4.32	
		For 22 Gauge, Add	8.63	
		For 20 Gauge, Add	12.97	
		For 18 Gauge, Add	17.23	
		For 16 Gauge, Add	21.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.18	
		For Work In Restricted Working Space, Add	47.35	
		For Elevated Installation >10' To 15', Add	15.78	
		For Elevated Installation >15' To 20', Add	31.56	
		For Elevated Installation >20' To 25', Add	39.46	
		For Elevated Installation >25' To 30', Add	55.24	
		For Elevated Installation >30' To 35', Add	63.13	
		For Elevated Installation >35' To 40', Add	78.91	
		For Elevated Installation >40', Add	86.80	
23 31 13 16-0035	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	237.33	79.59
		For Seal Class B, Add	29.85	
		For Seal Class A, Add	79.60	
		For 28 Gauge, Deduct	-5.31	
		For 24 Gauge, Add	5.29	
		For 22 Gauge, Add	10.56	
		For 20 Gauge, Add	15.87	
		For 18 Gauge, Add	21.09	
		For 16 Gauge, Add	25.88	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	28.37	
		For Work In Restricted Working Space, Add	59.70	
		For Elevated Installation >10' To 15', Add	19.90	
		For Elevated Installation >15' To 20', Add	39.80	
		For Elevated Installation >20' To 25', Add	49.75	
		For Elevated Installation >25' To 30', Add	69.65	
		For Elevated Installation >30' To 35', Add	79.60	
		For Elevated Installation >35' To 40', Add	99.50	
		For Elevated Installation >40', Add	109.44	
23 31 13 16-0036	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	266.77	83.02
		For Seal Class B, Add	31.08	
		For Seal Class A, Add	82.89	
		For 28 Gauge, Deduct	-8.25	
		For 24 Gauge, Add	8.22	
		For 22 Gauge, Add	16.41	
		For 20 Gauge, Add	24.65	
		For 18 Gauge, Add	32.75	
		For 16 Gauge, Add	40.20	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	44.07	
		For Work In Restricted Working Space, Add	62.17	
		For Elevated Installation >10' To 15', Add	20.72	
		For Elevated Installation >15' To 20', Add	41.44	
		For Elevated Installation >20' To 25', Add	51.81	
		For Elevated Installation >25' To 30', Add	72.53	
		For Elevated Installation >30' To 35', Add	82.89	
		For Elevated Installation >35' To 40', Add	103.61	
		For Elevated Installation >40', Add	113.97	

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WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0037	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 90 Degree Elbow .....	292.11	85.08
		<i>For Seal Class B, Add</i>	31.91	
		<i>For Seal Class A, Add</i>	85.08	
		<i>For 28 Gauge, Deduct</i>	-11.00	
		<i>For 24 Gauge, Add</i>	10.96	
		<i>For 22 Gauge, Add</i>	21.87	
		<i>For 20 Gauge, Add</i>	32.87	
		<i>For 18 Gauge, Add</i>	43.67	
		<i>For 16 Gauge, Add</i>	53.60	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	58.76	
		<i>For Work In Restricted Working Space, Add</i>	63.81	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	21.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	42.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	53.18	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	74.45	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	85.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	106.36	
		<i>For Elevated Installation &gt;40', Add</i>	116.99	
<b>23 31 13 16-0038</b>		<b>Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbows (23 31 13 16-0001)</b>		
23 31 13 16-0039	EA	4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow .....	34.36	12.35
		<i>For Seal Class B, Add</i>	4.63	
		<i>For Seal Class A, Add</i>	12.35	
		<i>For 28 Gauge, Deduct</i>	-0.48	
		<i>For 24 Gauge, Add</i>	0.48	
		<i>For 22 Gauge, Add</i>	0.96	
		<i>For 20 Gauge, Add</i>	1.44	
		<i>For 18 Gauge, Add</i>	1.91	
		<i>For 16 Gauge, Add</i>	2.35	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.58	
		<i>For Work In Restricted Working Space, Add</i>	9.26	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.09	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.18	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.72	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.81	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.35	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.44	
		<i>For Elevated Installation &gt;40', Add</i>	16.98	
23 31 13 16-0040	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow .....	39.77	14.14
		<i>For Seal Class B, Add</i>	5.29	
		<i>For Seal Class A, Add</i>	14.12	
		<i>For 28 Gauge, Deduct</i>	-0.62	
		<i>For 24 Gauge, Add</i>	0.62	
		<i>For 22 Gauge, Add</i>	1.23	
		<i>For 20 Gauge, Add</i>	1.85	
		<i>For 18 Gauge, Add</i>	2.46	
		<i>For 16 Gauge, Add</i>	3.02	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.32	
		<i>For Work In Restricted Working Space, Add</i>	10.59	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.53	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.35	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.12	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.65	
		<i>For Elevated Installation &gt;40', Add</i>	19.41	
23 31 13 16-0041	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow .....	46.05	16.47
		<i>For Seal Class B, Add</i>	6.18	
		<i>For Seal Class A, Add</i>	16.47	
		<i>For 28 Gauge, Deduct</i>	-0.68	
		<i>For 24 Gauge, Add</i>	0.67	
		<i>For 22 Gauge, Add</i>	1.34	
		<i>For 20 Gauge, Add</i>	2.02	
		<i>For 18 Gauge, Add</i>	2.68	
		<i>For 16 Gauge, Add</i>	3.29	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.61	
		<i>For Work In Restricted Working Space, Add</i>	12.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.12	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.23	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.41	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.47	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	20.59	
		<i>For Elevated Installation &gt;40', Add</i>	22.64	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0042	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	55.07	19.76
		For Seal Class B, Add	7.41	
		For Seal Class A, Add	19.76	
		For 28 Gauge, Deduct	-0.78	
		For 24 Gauge, Add	0.78	
		For 22 Gauge, Add	1.56	
		For 20 Gauge, Add	2.34	
		For 18 Gauge, Add	3.11	
		For 16 Gauge, Add	3.82	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.19	
		For Work In Restricted Working Space, Add	14.82	
		For Elevated Installation >10' To 15', Add	4.94	
		For Elevated Installation >15' To 20', Add	9.88	
		For Elevated Installation >20' To 25', Add	12.35	
		For Elevated Installation >25' To 30', Add	17.29	
		For Elevated Installation >30' To 35', Add	19.76	
		For Elevated Installation >35' To 40', Add	24.71	
		For Elevated Installation >40', Add	27.18	
23 31 13 16-0043	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	68.19	24.70
		For Seal Class B, Add	9.26	
		For Seal Class A, Add	24.70	
		For 28 Gauge, Deduct	-0.89	
		For 24 Gauge, Add	0.89	
		For 22 Gauge, Add	1.77	
		For 20 Gauge, Add	2.67	
		For 18 Gauge, Add	3.54	
		For 16 Gauge, Add	4.35	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.77	
		For Work In Restricted Working Space, Add	18.53	
		For Elevated Installation >10' To 15', Add	6.18	
		For Elevated Installation >15' To 20', Add	12.35	
		For Elevated Installation >20' To 25', Add	15.44	
		For Elevated Installation >25' To 30', Add	21.61	
		For Elevated Installation >30' To 35', Add	24.70	
		For Elevated Installation >35' To 40', Add	30.88	
		For Elevated Installation >40', Add	33.96	
23 31 13 16-0044	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	92.17	32.94
		For Seal Class B, Add	12.35	
		For Seal Class A, Add	32.94	
		For 28 Gauge, Deduct	-1.36	
		For 24 Gauge, Add	1.36	
		For 22 Gauge, Add	2.71	
		For 20 Gauge, Add	4.07	
		For 18 Gauge, Add	5.41	
		For 16 Gauge, Add	6.64	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.27	
		For Work In Restricted Working Space, Add	24.70	
		For Elevated Installation >10' To 15', Add	8.23	
		For Elevated Installation >15' To 20', Add	16.47	
		For Elevated Installation >20' To 25', Add	20.59	
		For Elevated Installation >25' To 30', Add	28.82	
		For Elevated Installation >30' To 35', Add	32.94	
		For Elevated Installation >35' To 40', Add	41.17	
		For Elevated Installation >40', Add	45.29	
23 31 13 16-0045	EA	12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	136.16	49.41
		For Seal Class B, Add	18.53	
		For Seal Class A, Add	49.40	
		For 28 Gauge, Deduct	-1.75	
		For 24 Gauge, Add	1.75	
		For 22 Gauge, Add	3.49	
		For 20 Gauge, Add	5.24	
		For 18 Gauge, Add	6.96	
		For 16 Gauge, Add	8.54	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.36	
		For Work In Restricted Working Space, Add	37.05	
		For Elevated Installation >10' To 15', Add	12.35	
		For Elevated Installation >15' To 20', Add	24.70	
		For Elevated Installation >20' To 25', Add	30.88	
		For Elevated Installation >25' To 30', Add	43.23	
		For Elevated Installation >30' To 35', Add	49.40	
		For Elevated Installation >35' To 40', Add	61.76	
		For Elevated Installation >40', Add	67.93	
23 31 13 16-0046	EA	14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow.....	179.71	63.12
		For Seal Class B, Add	23.67	
		For Seal Class A, Add	63.13	
		For 28 Gauge, Deduct	-3.03	
		For 24 Gauge, Add	3.02	
		For 22 Gauge, Add	6.03	
		For 20 Gauge, Add	9.06	
		For 18 Gauge, Add	12.04	
		For 16 Gauge, Add	14.78	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.20	
		For Work In Restricted Working Space, Add	47.35	
		For Elevated Installation >10' To 15', Add	15.78	
		For Elevated Installation >15' To 20', Add	31.56	
		For Elevated Installation >20' To 25', Add	39.46	
		For Elevated Installation >25' To 30', Add	55.24	
		For Elevated Installation >30' To 35', Add	63.13	
		For Elevated Installation >35' To 40', Add	78.91	
		For Elevated Installation >40', Add	86.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0047	EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow .....	234.89	79.59
	For Seal Class B, Add	29.85	
	For Seal Class A, Add	79.60	
	For 28 Gauge, Deduct	-4.97	
	For 24 Gauge, Add	4.95	
	For 22 Gauge, Add	9.89	
	For 20 Gauge, Add	14.86	
	For 18 Gauge, Add	19.75	
	For 16 Gauge, Add	24.23	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.57	
	For Work In Restricted Working Space, Add	59.70	
	For Elevated Installation >10' To 15', Add	19.90	
	For Elevated Installation >15' To 20', Add	39.80	
	For Elevated Installation >20' To 25', Add	49.75	
	For Elevated Installation >25' To 30', Add	69.65	
	For Elevated Installation >30' To 35', Add	79.60	
	For Elevated Installation >35' To 40', Add	99.50	
	For Elevated Installation >40', Add	109.44	
23 31 13 16-0048	EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow .....	250.62	83.02
	For Seal Class B, Add	31.08	
	For Seal Class A, Add	82.89	
	For 28 Gauge, Deduct	-6.01	
	For 24 Gauge, Add	5.99	
	For 22 Gauge, Add	11.96	
	For 20 Gauge, Add	17.97	
	For 18 Gauge, Add	23.87	
	For 16 Gauge, Add	29.30	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.12	
	For Work In Restricted Working Space, Add	62.17	
	For Elevated Installation >10' To 15', Add	20.72	
	For Elevated Installation >15' To 20', Add	41.44	
	For Elevated Installation >20' To 25', Add	51.81	
	For Elevated Installation >25' To 30', Add	72.53	
	For Elevated Installation >30' To 35', Add	82.89	
	For Elevated Installation >35' To 40', Add	103.61	
	For Elevated Installation >40', Add	113.97	
23 31 13 16-0049	EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval 45 Degree Elbow .....	268.31	85.08
	For Seal Class B, Add	31.91	
	For Seal Class A, Add	85.08	
	For 28 Gauge, Deduct	-7.70	
	For 24 Gauge, Add	7.67	
	For 22 Gauge, Add	15.32	
	For 20 Gauge, Add	23.02	
	For 18 Gauge, Add	30.58	
	For 16 Gauge, Add	37.53	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	41.14	
	For Work In Restricted Working Space, Add	63.81	
	For Elevated Installation >10' To 15', Add	21.27	
	For Elevated Installation >15' To 20', Add	42.54	
	For Elevated Installation >20' To 25', Add	53.18	
	For Elevated Installation >25' To 30', Add	74.45	
	For Elevated Installation >30' To 35', Add	85.08	
	For Elevated Installation >35' To 40', Add	106.36	
	For Elevated Installation >40', Add	116.99	
23 31 13 16-0050	<b>Galvanized Sheet Metal Round And Flat-Oval Tees</b> (23 31 13 16-0001)		
23 31 13 16-0051	EA 4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	54.07	18.53
	For Seal Class B, Add	6.95	
	For Seal Class A, Add	18.52	
	For 28 Gauge, Deduct	-1.07	
	For 24 Gauge, Add	1.07	
	For 22 Gauge, Add	2.14	
	For 20 Gauge, Add	3.21	
	For 18 Gauge, Add	4.27	
	For 16 Gauge, Add	5.24	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.74	
	For Work In Restricted Working Space, Add	13.89	
	For Elevated Installation >10' To 15', Add	4.63	
	For Elevated Installation >15' To 20', Add	9.26	
	For Elevated Installation >20' To 25', Add	11.58	
	For Elevated Installation >25' To 30', Add	16.21	
	For Elevated Installation >30' To 35', Add	18.52	
	For Elevated Installation >35' To 40', Add	23.16	
	For Elevated Installation >40', Add	25.47	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0052	EA	5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	63.25	21.13
		For Seal Class B, Add	7.94	
		For Seal Class A, Add	21.18	
		For 28 Gauge, Deduct	-1.43	
		For 24 Gauge, Add	1.42	
		For 22 Gauge, Add	2.84	
		For 20 Gauge, Add	4.27	
		For 18 Gauge, Add	5.67	
		For 16 Gauge, Add	6.96	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.63	
		For Work In Restricted Working Space, Add	15.88	
		For Elevated Installation >10' To 15', Add	5.29	
		For Elevated Installation >15' To 20', Add	10.59	
		For Elevated Installation >20' To 25', Add	13.24	
		For Elevated Installation >25' To 30', Add	18.53	
		For Elevated Installation >30' To 35', Add	21.18	
		For Elevated Installation >35' To 40', Add	26.47	
		For Elevated Installation >40', Add	29.12	
23 31 13 16-0053	EA	6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	72.94	24.70
		For Seal Class B, Add	9.26	
		For Seal Class A, Add	24.70	
		For 28 Gauge, Deduct	-1.55	
		For 24 Gauge, Add	1.54	
		For 22 Gauge, Add	3.08	
		For 20 Gauge, Add	4.63	
		For 18 Gauge, Add	6.15	
		For 16 Gauge, Add	7.55	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.28	
		For Work In Restricted Working Space, Add	18.53	
		For Elevated Installation >10' To 15', Add	6.18	
		For Elevated Installation >15' To 20', Add	12.35	
		For Elevated Installation >20' To 25', Add	15.44	
		For Elevated Installation >25' To 30', Add	21.61	
		For Elevated Installation >30' To 35', Add	24.70	
		For Elevated Installation >35' To 40', Add	30.88	
		For Elevated Installation >40', Add	33.96	
23 31 13 16-0054	EA	7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	86.98	29.64
		For Seal Class B, Add	11.12	
		For Seal Class A, Add	29.64	
		For 28 Gauge, Deduct	-1.78	
		For 24 Gauge, Add	1.78	
		For 22 Gauge, Add	3.55	
		For 20 Gauge, Add	5.33	
		For 18 Gauge, Add	7.08	
		For 16 Gauge, Add	8.69	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.53	
		For Work In Restricted Working Space, Add	22.23	
		For Elevated Installation >10' To 15', Add	7.41	
		For Elevated Installation >15' To 20', Add	14.82	
		For Elevated Installation >20' To 25', Add	18.53	
		For Elevated Installation >25' To 30', Add	25.94	
		For Elevated Installation >30' To 35', Add	29.64	
		For Elevated Installation >35' To 40', Add	37.05	
		For Elevated Installation >40', Add	40.76	
23 31 13 16-0055	EA	8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	113.46	37.06
		For Seal Class B, Add	13.90	
		For Seal Class A, Add	37.06	
		For 28 Gauge, Deduct	-2.88	
		For 24 Gauge, Add	2.87	
		For 22 Gauge, Add	5.74	
		For 20 Gauge, Add	8.62	
		For 18 Gauge, Add	11.45	
		For 16 Gauge, Add	14.05	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	15.41	
		For Work In Restricted Working Space, Add	27.79	
		For Elevated Installation >10' To 15', Add	9.26	
		For Elevated Installation >15' To 20', Add	18.53	
		For Elevated Installation >20' To 25', Add	23.16	
		For Elevated Installation >25' To 30', Add	32.42	
		For Elevated Installation >30' To 35', Add	37.06	
		For Elevated Installation >35' To 40', Add	46.32	
		For Elevated Installation >40', Add	50.95	
23 31 13 16-0056	EA	10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	150.07	49.41
		For Seal Class B, Add	18.53	
		For Seal Class A, Add	49.40	
		For 28 Gauge, Deduct	-3.68	
		For 24 Gauge, Add	3.67	
		For 22 Gauge, Add	7.32	
		For 20 Gauge, Add	11.00	
		For 18 Gauge, Add	14.61	
		For 16 Gauge, Add	17.93	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.65	
		For Work In Restricted Working Space, Add	37.05	
		For Elevated Installation >10' To 15', Add	12.35	
		For Elevated Installation >15' To 20', Add	24.70	
		For Elevated Installation >20' To 25', Add	30.88	
		For Elevated Installation >25' To 30', Add	43.23	
		For Elevated Installation >30' To 35', Add	49.40	
		For Elevated Installation >35' To 40', Add	61.76	
		For Elevated Installation >40', Add	67.93	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

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WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0057	EA 12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	211.79	74.10
	For Seal Class B, Add	27.78	
	For Seal Class A, Add	74.09	
	For 28 Gauge, Deduct	-3.68	
	For 24 Gauge, Add	3.67	
	For 22 Gauge, Add	7.32	
	For 20 Gauge, Add	11.00	
	For 18 Gauge, Add	14.61	
	For 16 Gauge, Add	17.93	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	19.65	
	For Work In Restricted Working Space, Add	55.57	
	For Elevated Installation >10' To 15', Add	18.52	
	For Elevated Installation >15' To 20', Add	37.05	
	For Elevated Installation >20' To 25', Add	46.31	
	For Elevated Installation >25' To 30', Add	64.83	
	For Elevated Installation >30' To 35', Add	74.09	
	For Elevated Installation >35' To 40', Add	92.62	
	For Elevated Installation >40', Add	101.88	
23 31 13 16-0058	EA 14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	287.20	94.41
	For Seal Class B, Add	35.49	
	For Seal Class A, Add	94.64	
	For 28 Gauge, Deduct	-7.01	
	For 24 Gauge, Add	6.98	
	For 22 Gauge, Add	13.94	
	For 20 Gauge, Add	20.95	
	For 18 Gauge, Add	27.83	
	For 16 Gauge, Add	34.16	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.44	
	For Work In Restricted Working Space, Add	70.98	
	For Elevated Installation >10' To 15', Add	23.66	
	For Elevated Installation >15' To 20', Add	47.32	
	For Elevated Installation >20' To 25', Add	59.15	
	For Elevated Installation >25' To 30', Add	82.81	
	For Elevated Installation >30' To 35', Add	94.64	
	For Elevated Installation >35' To 40', Add	118.30	
	For Elevated Installation >40', Add	130.13	
23 31 13 16-0059	EA 16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	369.36	119.66
	For Seal Class B, Add	44.75	
	For Seal Class A, Add	119.33	
	For 28 Gauge, Deduct	-9.84	
	For 24 Gauge, Add	9.80	
	For 22 Gauge, Add	19.57	
	For 20 Gauge, Add	29.41	
	For 18 Gauge, Add	39.07	
	For 16 Gauge, Add	47.95	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	52.56	
	For Work In Restricted Working Space, Add	89.50	
	For Elevated Installation >10' To 15', Add	29.83	
	For Elevated Installation >15' To 20', Add	59.67	
	For Elevated Installation >20' To 25', Add	74.58	
	For Elevated Installation >25' To 30', Add	104.42	
	For Elevated Installation >30' To 35', Add	119.33	
	For Elevated Installation >35' To 40', Add	149.17	
	For Elevated Installation >40', Add	164.08	
23 31 13 16-0060	EA 18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	423.96	133.12
	For Seal Class B, Add	50.02	
	For Seal Class A, Add	133.39	
	For 28 Gauge, Deduct	-12.53	
	For 24 Gauge, Add	12.49	
	For 22 Gauge, Add	24.93	
	For 20 Gauge, Add	37.46	
	For 18 Gauge, Add	49.77	
	For 16 Gauge, Add	61.08	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.96	
	For Work In Restricted Working Space, Add	100.04	
	For Elevated Installation >10' To 15', Add	33.35	
	For Elevated Installation >15' To 20', Add	66.69	
	For Elevated Installation >20' To 25', Add	83.37	
	For Elevated Installation >25' To 30', Add	116.71	
	For Elevated Installation >30' To 35', Add	133.39	
	For Elevated Installation >35' To 40', Add	166.74	
	For Elevated Installation >40', Add	183.41	
23 31 13 16-0061	EA 20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Tee .....	444.86	137.92
	For Seal Class B, Add	51.67	
	For Seal Class A, Add	137.78	
	For 28 Gauge, Deduct	-13.91	
	For 24 Gauge, Add	13.86	
	For 22 Gauge, Add	27.66	
	For 20 Gauge, Add	41.57	
	For 18 Gauge, Add	55.23	
	For 16 Gauge, Add	67.78	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	74.30	
	For Work In Restricted Working Space, Add	103.34	
	For Elevated Installation >10' To 15', Add	34.45	
	For Elevated Installation >15' To 20', Add	68.89	
	For Elevated Installation >20' To 25', Add	86.11	
	For Elevated Installation >25' To 30', Add	120.56	
	For Elevated Installation >30' To 35', Add	137.78	
	For Elevated Installation >35' To 40', Add	172.23	
	For Elevated Installation >40', Add	189.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 31 13 16-0062 Galvanized Sheet Metal Round And Flat-Oval Connectors (23 31 13 16-0001)</b>					
23 31 13 16-0063	EA		4" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	24.57	
			For Seal Class B, Add	3.29	
			For Seal Class A, Add	8.78	
			For Work In Restricted Working Space, Add	6.59	
			For Elevated Installation >10' To 15', Add	2.20	
			For Elevated Installation >15' To 20', Add	4.39	
			For Elevated Installation >20' To 25', Add	5.49	
			For Elevated Installation >25' To 30', Add	7.69	
			For Elevated Installation >30' To 35', Add	8.78	
			For Elevated Installation >35' To 40', Add	10.98	
			For Elevated Installation >40', Add	12.08	
23 31 13 16-0064	EA		5" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	25.87	
			For Seal Class B, Add	3.46	
			For Seal Class A, Add	9.23	
			For Work In Restricted Working Space, Add	6.92	
			For Elevated Installation >10' To 15', Add	2.31	
			For Elevated Installation >15' To 20', Add	4.61	
			For Elevated Installation >20' To 25', Add	5.77	
			For Elevated Installation >25' To 30', Add	8.07	
			For Elevated Installation >30' To 35', Add	9.23	
			For Elevated Installation >35' To 40', Add	11.54	
			For Elevated Installation >40', Add	12.69	
23 31 13 16-0065	EA		6" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	27.72	
			For Seal Class B, Add	3.71	
			For Seal Class A, Add	9.88	
			For Work In Restricted Working Space, Add	7.41	
			For Elevated Installation >10' To 15', Add	2.47	
			For Elevated Installation >15' To 20', Add	4.94	
			For Elevated Installation >20' To 25', Add	6.18	
			For Elevated Installation >25' To 30', Add	8.65	
			For Elevated Installation >30' To 35', Add	9.88	
			For Elevated Installation >35' To 40', Add	12.35	
			For Elevated Installation >40', Add	13.59	
23 31 13 16-0066	EA		7" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	29.52	
			For Seal Class B, Add	3.91	
			For Seal Class A, Add	10.43	
			For Work In Restricted Working Space, Add	7.82	
			For Elevated Installation >10' To 15', Add	2.61	
			For Elevated Installation >15' To 20', Add	5.22	
			For Elevated Installation >20' To 25', Add	6.52	
			For Elevated Installation >25' To 30', Add	9.13	
			For Elevated Installation >30' To 35', Add	10.43	
			For Elevated Installation >35' To 40', Add	13.04	
			For Elevated Installation >40', Add	14.34	
23 31 13 16-0067	EA		8" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	32.02	
			For Seal Class B, Add	4.22	
			For Seal Class A, Add	11.25	
			For Work In Restricted Working Space, Add	8.44	
			For Elevated Installation >10' To 15', Add	2.81	
			For Elevated Installation >15' To 20', Add	5.63	
			For Elevated Installation >20' To 25', Add	7.03	
			For Elevated Installation >25' To 30', Add	9.85	
			For Elevated Installation >30' To 35', Add	11.25	
			For Elevated Installation >35' To 40', Add	14.07	
			For Elevated Installation >40', Add	15.47	
23 31 13 16-0068	EA		10" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	37.55	
			For Seal Class B, Add	4.71	
			For Seal Class A, Add	12.57	
			For Work In Restricted Working Space, Add	9.43	
			For Elevated Installation >10' To 15', Add	3.14	
			For Elevated Installation >15' To 20', Add	6.28	
			For Elevated Installation >20' To 25', Add	7.86	
			For Elevated Installation >25' To 30', Add	11.00	
			For Elevated Installation >30' To 35', Add	12.57	
			For Elevated Installation >35' To 40', Add	15.71	
			For Elevated Installation >40', Add	17.28	
23 31 13 16-0069	EA		12" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	51.31	
			For Seal Class B, Add	6.59	
			For Seal Class A, Add	17.57	
			For Work In Restricted Working Space, Add	13.18	
			For Elevated Installation >10' To 15', Add	4.39	
			For Elevated Installation >15' To 20', Add	8.78	
			For Elevated Installation >20' To 25', Add	10.98	
			For Elevated Installation >25' To 30', Add	15.37	
			For Elevated Installation >30' To 35', Add	17.57	
			For Elevated Installation >35' To 40', Add	21.96	
			For Elevated Installation >40', Add	24.16	
23 31 13 16-0070	EA		14" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	58.57	
			For Seal Class B, Add	7.50	
			For Seal Class A, Add	19.99	
			For Work In Restricted Working Space, Add	14.99	
			For Elevated Installation >10' To 15', Add	5.00	
			For Elevated Installation >15' To 20', Add	9.99	
			For Elevated Installation >20' To 25', Add	12.49	
			For Elevated Installation >25' To 30', Add	17.49	
			For Elevated Installation >30' To 35', Add	19.99	
			For Elevated Installation >35' To 40', Add	24.99	
			For Elevated Installation >40', Add	27.48	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 31 13 16-0071	EA	16" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	64.40	
		For Seal Class B, Add	8.22	
		For Seal Class A, Add	21.91	
		For Work In Restricted Working Space, Add	16.43	
		For Elevated Installation >10' To 15', Add	5.48	
		For Elevated Installation >15' To 20', Add	10.95	
		For Elevated Installation >20' To 25', Add	13.69	
		For Elevated Installation >25' To 30', Add	19.17	
		For Elevated Installation >30' To 35', Add	21.91	
		For Elevated Installation >35' To 40', Add	27.39	
		For Elevated Installation >40', Add	30.12	
23 31 13 16-0072	EA	18" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	70.05	
		For Seal Class B, Add	8.89	
		For Seal Class A, Add	23.72	
		For Work In Restricted Working Space, Add	17.79	
		For Elevated Installation >10' To 15', Add	5.93	
		For Elevated Installation >15' To 20', Add	11.86	
		For Elevated Installation >20' To 25', Add	14.82	
		For Elevated Installation >25' To 30', Add	20.75	
		For Elevated Installation >30' To 35', Add	23.72	
		For Elevated Installation >35' To 40', Add	29.65	
		For Elevated Installation >40', Add	32.61	
23 31 13 16-0073	EA	20" Diameter, 26 Gauge, Seal Class C, Galvanized Sheet Metal Round And Flat-Oval Connector.....	76.32	
		For Seal Class B, Add	9.70	
		For Seal Class A, Add	25.86	
		For Work In Restricted Working Space, Add	19.39	
		For Elevated Installation >10' To 15', Add	6.46	
		For Elevated Installation >15' To 20', Add	12.93	
		For Elevated Installation >20' To 25', Add	16.16	
		For Elevated Installation >25' To 30', Add	22.62	
		For Elevated Installation >30' To 35', Add	25.86	
		For Elevated Installation >35' To 40', Add	32.32	
		For Elevated Installation >40', Add	35.55	
23 31 13 16-0074		Slip Joint, Galvanized, Spiral Duct And Fittings (23 31 13 16)		
23 31 13 16-0075		Slip Joint, Galvanized, Spiral Duct (23 31 13 16-0074)		
23 31 13 16-0076	LF	4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	11.98	1.27
		For Seal Class B, Add	1.02	
		For Seal Class A, Add	2.72	
		For Up To 20', Add	1.56	
		For >20' To 50', Add	0.62	
		For >200' To 500', Deduct	-0.39	
		For >500', Deduct	-0.65	
		For 24 Gauge, Add	1.04	
		For 22 Gauge, Add	2.39	
		For 20 Gauge, Add	3.89	
		For 18 Gauge, Add	5.97	
		For 16 Gauge, Add	7.27	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	3.84	
		For Work In Restricted Working Space, Add	2.04	
23 31 13 16-0077	LF	6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	15.66	2.53
		For Seal Class B, Add	1.22	
		For Seal Class A, Add	3.26	
		For Up To 20', Add	2.25	
		For >20' To 50', Add	0.90	
		For >200' To 500', Deduct	-0.56	
		For >500', Deduct	-0.94	
		For 24 Gauge, Add	1.50	
		For 22 Gauge, Add	3.45	
		For 20 Gauge, Add	5.63	
		For 18 Gauge, Add	8.64	
		For 16 Gauge, Add	10.51	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.56	
		For Work In Restricted Working Space, Add	2.45	
23 31 13 16-0078	LF	8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	20.01	2.53
		For Seal Class B, Add	1.52	
		For Seal Class A, Add	4.04	
		For Up To 20', Add	2.97	
		For >20' To 50', Add	1.19	
		For >200' To 500', Deduct	-0.74	
		For >500', Deduct	-1.24	
		For 24 Gauge, Add	1.98	
		For 22 Gauge, Add	4.55	
		For 20 Gauge, Add	7.43	
		For 18 Gauge, Add	11.39	
		For 16 Gauge, Add	13.86	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.33	
		For Work In Restricted Working Space, Add	3.03	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0079	LF	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	24.36	2.53
		For Seal Class B, Add	1.82	
		For Seal Class A, Add	4.86	
		For Up To 20', Add	3.67	
		For >20' To 50', Add	1.47	
		For >200' To 500', Deduct	-0.92	
		For >500', Deduct	-1.53	
		For 24 Gauge, Add	2.44	
		For 22 Gauge, Add	5.62	
		For 20 Gauge, Add	9.17	
		For 18 Gauge, Add	14.05	
		For 16 Gauge, Add	17.11	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.04	
		For Work In Restricted Working Space, Add	3.64	
23 31 13 16-0080	LF	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	30.23	3.80
		For Seal Class B, Add	2.28	
		For Seal Class A, Add	6.08	
		For Up To 20', Add	4.51	
		For >20' To 50', Add	1.80	
		For >200' To 500', Deduct	-1.13	
		For >500', Deduct	-1.88	
		For 24 Gauge, Add	3.01	
		For 22 Gauge, Add	6.91	
		For 20 Gauge, Add	11.27	
		For 18 Gauge, Add	17.28	
		For 16 Gauge, Add	21.04	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.12	
		For Work In Restricted Working Space, Add	4.56	
23 31 13 16-0081	LF	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	36.42	3.80
		For Seal Class B, Add	2.85	
		For Seal Class A, Add	7.60	
		For Up To 20', Add	5.22	
		For >20' To 50', Add	2.09	
		For >200' To 500', Deduct	-1.31	
		For >500', Deduct	-2.18	
		For 24 Gauge, Add	3.48	
		For 22 Gauge, Add	8.01	
		For 20 Gauge, Add	13.06	
		For 18 Gauge, Add	20.02	
		For 16 Gauge, Add	24.37	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.88	
		For Work In Restricted Working Space, Add	5.70	
23 31 13 16-0082	LF	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	50.60	3.80
		For Seal Class B, Add	3.80	
		For Seal Class A, Add	10.12	
		For Up To 20', Add	7.59	
		For >20' To 50', Add	3.03	
		For >200' To 500', Deduct	-1.90	
		For >500', Deduct	-3.16	
		For 24 Gauge, Add	5.06	
		For 22 Gauge, Add	11.63	
		For 20 Gauge, Add	18.97	
		For 18 Gauge, Add	29.08	
		For 16 Gauge, Add	35.41	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	18.71	
		For Work In Restricted Working Space, Add	7.59	
23 31 13 16-0083	LF	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	57.54	5.07
		For Seal Class B, Add	4.43	
		For Seal Class A, Add	11.80	
		For Up To 20', Add	8.41	
		For >20' To 50', Add	3.36	
		For >200' To 500', Deduct	-2.10	
		For >500', Deduct	-3.51	
		For 24 Gauge, Add	5.61	
		For 22 Gauge, Add	12.90	
		For 20 Gauge, Add	21.03	
		For 18 Gauge, Add	32.25	
		For 16 Gauge, Add	39.26	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	20.75	
		For Work In Restricted Working Space, Add	8.85	
23 31 13 16-0084	LF	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	64.78	5.07
		For Seal Class B, Add	5.03	
		For Seal Class A, Add	13.40	
		For Up To 20', Add	9.38	
		For >20' To 50', Add	3.75	
		For >200' To 500', Deduct	-2.35	
		For >500', Deduct	-3.91	
		For 24 Gauge, Add	6.26	
		For 22 Gauge, Add	14.39	
		For 20 Gauge, Add	23.46	
		For 18 Gauge, Add	35.97	
		For 16 Gauge, Add	43.79	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	23.15	
		For Work In Restricted Working Space, Add	10.05	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0085	LF 22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	72.30	6.34
	For Seal Class B, Add	5.66	
	For Seal Class A, Add	15.09	
	For Up To 20', Add	10.37	
	For >20' To 50', Add	4.15	
	For >200' To 500', Deduct	-2.59	
	For >500', Deduct	-4.32	
	For 24 Gauge, Add	6.91	
	For 22 Gauge, Add	15.90	
	For 20 Gauge, Add	25.93	
	For 18 Gauge, Add	39.76	
	For 16 Gauge, Add	48.40	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.58	
	For Work In Restricted Working Space, Add	11.32	
23 31 13 16-0086	LF 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct.....	79.79	7.60
	For Seal Class B, Add	6.33	
	For Seal Class A, Add	16.89	
	For Up To 20', Add	11.27	
	For >20' To 50', Add	4.51	
	For >200' To 500', Deduct	-2.82	
	For >500', Deduct	-4.70	
	For 24 Gauge, Add	7.51	
	For 22 Gauge, Add	17.28	
	For 20 Gauge, Add	28.18	
	For 18 Gauge, Add	43.21	
	For 16 Gauge, Add	52.60	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.80	
	For Work In Restricted Working Space, Add	12.67	
<b>23 31 13 16-0087</b>	<b>Slip Joint, Galvanized, Spiral 90 Degree Elbows (23 31 13 16-0074)</b>		
23 31 13 16-0088	EA 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	82.31	17.74
	For Seal Class B, Add	10.27	
	For Seal Class A, Add	27.40	
	For 24 Gauge, Add	2.76	
	For 22 Gauge, Add	6.36	
	For 20 Gauge, Add	10.37	
	For 18 Gauge, Add	15.89	
	For 16 Gauge, Add	19.35	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.23	
	For Work In Restricted Working Space, Add	20.55	
23 31 13 16-0089	EA 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	120.98	25.34
	For Seal Class B, Add	15.20	
	For Seal Class A, Add	40.54	
	For 24 Gauge, Add	3.92	
	For 22 Gauge, Add	9.03	
	For 20 Gauge, Add	14.72	
	For 18 Gauge, Add	22.56	
	For 16 Gauge, Add	27.47	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	14.52	
	For Work In Restricted Working Space, Add	30.41	
23 31 13 16-0090	EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	170.79	32.94
	For Seal Class B, Add	20.01	
	For Seal Class A, Add	53.35	
	For 24 Gauge, Add	7.48	
	For 22 Gauge, Add	17.21	
	For 20 Gauge, Add	28.06	
	For 18 Gauge, Add	43.02	
	For 16 Gauge, Add	52.37	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	27.68	
	For Work In Restricted Working Space, Add	40.01	
23 31 13 16-0091	EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	212.99	41.82
	For Seal Class B, Add	25.34	
	For Seal Class A, Add	67.58	
	For 24 Gauge, Add	8.81	
	For 22 Gauge, Add	20.26	
	For 20 Gauge, Add	33.04	
	For 18 Gauge, Add	50.66	
	For 16 Gauge, Add	61.67	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.60	
	For Work In Restricted Working Space, Add	50.68	
23 31 13 16-0092	EA 12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	262.90	53.22
	For Seal Class B, Add	31.68	
	For Seal Class A, Add	84.47	
	For 24 Gauge, Add	10.34	
	For 22 Gauge, Add	23.79	
	For 20 Gauge, Add	38.79	
	For 18 Gauge, Add	59.48	
	For 16 Gauge, Add	72.41	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.27	
	For Work In Restricted Working Space, Add	63.35	
23 31 13 16-0093	EA 14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow.....	287.95	58.28
	For Seal Class B, Add	34.56	
	For Seal Class A, Add	92.15	
	For 24 Gauge, Add	11.52	
	For 22 Gauge, Add	26.49	
	For 20 Gauge, Add	43.19	
	For 18 Gauge, Add	66.22	
	For 16 Gauge, Add	80.61	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	42.61	
	For Work In Restricted Working Space, Add	69.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0094	EA		16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	339.87	68.42
			For Seal Class B, Add	40.87	
			For Seal Class A, Add	108.99	
			For 24 Gauge, Add	13.48	
			For 22 Gauge, Add	31.00	
			For 20 Gauge, Add	50.54	
			For 18 Gauge, Add	77.50	
			For 16 Gauge, Add	94.35	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	49.87	
			For Work In Restricted Working Space, Add	81.74	
23 31 13 16-0095	EA		18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	415.43	84.90
			For Seal Class B, Add	50.68	
			For Seal Class A, Add	135.16	
			For 24 Gauge, Add	15.51	
			For 22 Gauge, Add	35.67	
			For 20 Gauge, Add	58.16	
			For 18 Gauge, Add	89.17	
			For 16 Gauge, Add	108.56	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	57.38	
			For Work In Restricted Working Space, Add	101.37	
23 31 13 16-0096	EA		20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	500.26	102.64
			For Seal Class B, Add	61.31	
			For Seal Class A, Add	163.49	
			For 24 Gauge, Add	18.31	
			For 22 Gauge, Add	42.10	
			For 20 Gauge, Add	68.65	
			For 18 Gauge, Add	105.26	
			For 16 Gauge, Add	128.14	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	67.73	
			For Work In Restricted Working Space, Add	122.62	
23 31 13 16-0097	EA		22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	582.02	119.10
			For Seal Class B, Add	71.72	
			For Seal Class A, Add	191.26	
			For 24 Gauge, Add	20.78	
			For 22 Gauge, Add	47.78	
			For 20 Gauge, Add	77.91	
			For 18 Gauge, Add	119.46	
			For 16 Gauge, Add	145.43	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	76.87	
			For Work In Restricted Working Space, Add	143.44	
23 31 13 16-0098	EA		24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 90 Degree Elbow .....	667.38	135.58
			For Seal Class B, Add	80.88	
			For Seal Class A, Add	215.67	
			For 24 Gauge, Add	25.64	
			For 22 Gauge, Add	58.97	
			For 20 Gauge, Add	96.15	
			For 18 Gauge, Add	147.43	
			For 16 Gauge, Add	179.48	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	94.87	
			For Work In Restricted Working Space, Add	161.75	
<b>23 31 13 16-0099</b>			<b>Slip Joint, Galvanized, Spiral Duct 45 Degree Elbows (23 31 13 16-0074)</b>		
23 31 13 16-0100	EA		4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	82.96	17.74
			For Seal Class B, Add	10.27	
			For Seal Class A, Add	27.40	
			For 24 Gauge, Add	2.89	
			For 22 Gauge, Add	6.66	
			For 20 Gauge, Add	10.85	
			For 18 Gauge, Add	16.64	
			For 16 Gauge, Add	20.26	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.71	
			For Work In Restricted Working Space, Add	20.55	
23 31 13 16-0101	EA		6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	117.61	25.34
			For Seal Class B, Add	15.20	
			For Seal Class A, Add	40.54	
			For 24 Gauge, Add	3.25	
			For 22 Gauge, Add	7.48	
			For 20 Gauge, Add	12.19	
			For 18 Gauge, Add	18.69	
			For 16 Gauge, Add	22.75	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.03	
			For Work In Restricted Working Space, Add	30.41	
23 31 13 16-0102	EA		8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow .....	155.18	32.94
			For Seal Class B, Add	20.01	
			For Seal Class A, Add	53.35	
			For 24 Gauge, Add	4.36	
			For 22 Gauge, Add	10.03	
			For 20 Gauge, Add	16.35	
			For 18 Gauge, Add	25.07	
			For 16 Gauge, Add	30.52	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	16.13	
			For Work In Restricted Working Space, Add	40.01	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 31 13 16-0103	EA	10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	196.18		41.82
		<i>For Seal Class B, Add</i>	25.34		
		<i>For Seal Class A, Add</i>	67.58		
		<i>For 24 Gauge, Add</i>	5.45		
		<i>For 22 Gauge, Add</i>	12.53		
		<i>For 20 Gauge, Add</i>	20.43		
		<i>For 18 Gauge, Add</i>	31.33		
		<i>For 16 Gauge, Add</i>	38.14		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.16		
		<i>For Work In Restricted Working Space, Add</i>	50.68		
23 31 13 16-0104	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	242.84		53.22
		<i>For Seal Class B, Add</i>	31.68		
		<i>For Seal Class A, Add</i>	84.47		
		<i>For 24 Gauge, Add</i>	6.33		
		<i>For 22 Gauge, Add</i>	14.56		
		<i>For 20 Gauge, Add</i>	23.75		
		<i>For 18 Gauge, Add</i>	36.41		
		<i>For 16 Gauge, Add</i>	44.32		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.43		
		<i>For Work In Restricted Working Space, Add</i>	63.35		
23 31 13 16-0105	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	265.56		58.28
		<i>For Seal Class B, Add</i>	34.56		
		<i>For Seal Class A, Add</i>	92.15		
		<i>For 24 Gauge, Add</i>	7.04		
		<i>For 22 Gauge, Add</i>	16.19		
		<i>For 20 Gauge, Add</i>	26.39		
		<i>For 18 Gauge, Add</i>	40.47		
		<i>For 16 Gauge, Add</i>	49.27		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.04		
		<i>For Work In Restricted Working Space, Add</i>	69.11		
23 31 13 16-0106	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	330.17		68.42
		<i>For Seal Class B, Add</i>	40.87		
		<i>For Seal Class A, Add</i>	108.99		
		<i>For 24 Gauge, Add</i>	11.54		
		<i>For 22 Gauge, Add</i>	26.54		
		<i>For 20 Gauge, Add</i>	43.27		
		<i>For 18 Gauge, Add</i>	66.34		
		<i>For 16 Gauge, Add</i>	80.77		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.69		
		<i>For Work In Restricted Working Space, Add</i>	81.74		
23 31 13 16-0107	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	408.57		84.90
		<i>For Seal Class B, Add</i>	50.68		
		<i>For Seal Class A, Add</i>	135.16		
		<i>For 24 Gauge, Add</i>	14.14		
		<i>For 22 Gauge, Add</i>	32.51		
		<i>For 20 Gauge, Add</i>	53.01		
		<i>For 18 Gauge, Add</i>	81.28		
		<i>For 16 Gauge, Add</i>	98.95		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	52.30		
		<i>For Work In Restricted Working Space, Add</i>	101.37		
23 31 13 16-0108	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	498.16		102.64
		<i>For Seal Class B, Add</i>	61.31		
		<i>For Seal Class A, Add</i>	163.49		
		<i>For 24 Gauge, Add</i>	17.89		
		<i>For 22 Gauge, Add</i>	41.14		
		<i>For 20 Gauge, Add</i>	67.07		
		<i>For 18 Gauge, Add</i>	102.84		
		<i>For 16 Gauge, Add</i>	125.20		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	66.18		
		<i>For Work In Restricted Working Space, Add</i>	122.62		
23 31 13 16-0109	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	558.19		119.10
		<i>For Seal Class B, Add</i>	71.72		
		<i>For Seal Class A, Add</i>	191.26		
		<i>For 24 Gauge, Add</i>	16.01		
		<i>For 22 Gauge, Add</i>	36.82		
		<i>For 20 Gauge, Add</i>	60.04		
		<i>For 18 Gauge, Add</i>	92.06		
		<i>For 16 Gauge, Add</i>	112.07		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	59.24		
		<i>For Work In Restricted Working Space, Add</i>	143.44		
23 31 13 16-0110	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Elbow.....	658.90		135.58
		<i>For Seal Class B, Add</i>	80.88		
		<i>For Seal Class A, Add</i>	215.67		
		<i>For 24 Gauge, Add</i>	23.94		
		<i>For 22 Gauge, Add</i>	55.07		
		<i>For 20 Gauge, Add</i>	89.79		
		<i>For 18 Gauge, Add</i>	137.68		
		<i>For 16 Gauge, Add</i>	167.61		
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	88.59		
		<i>For Work In Restricted Working Space, Add</i>	161.75		

23 31 13 16-0111 Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Laterals (23 31 13 16-0074)

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0112	EA	6" x 6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	164.48	32.94
		<i>For Seal Class B, Add</i>	20.01	
		<i>For Seal Class A, Add</i>	53.35	
		<i>For 24 Gauge, Add</i>	6.22	
		<i>For 22 Gauge, Add</i>	14.31	
		<i>For 20 Gauge, Add</i>	23.33	
		<i>For 18 Gauge, Add</i>	35.77	
		<i>For 16 Gauge, Add</i>	43.54	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	23.01	
		<i>For Work In Restricted Working Space, Add</i>	40.01	
23 31 13 16-0113	EA	8" x 8" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	243.78	53.22
		<i>For Seal Class B, Add</i>	31.68	
		<i>For Seal Class A, Add</i>	84.47	
		<i>For 24 Gauge, Add</i>	6.52	
		<i>For 22 Gauge, Add</i>	15.00	
		<i>For 20 Gauge, Add</i>	24.45	
		<i>For 18 Gauge, Add</i>	37.49	
		<i>For 16 Gauge, Add</i>	45.64	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	24.12	
		<i>For Work In Restricted Working Space, Add</i>	63.35	
23 31 13 16-0114	EA	10" x 10" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	308.27	68.42
		<i>For Seal Class B, Add</i>	40.87	
		<i>For Seal Class A, Add</i>	108.99	
		<i>For 24 Gauge, Add</i>	7.16	
		<i>For 22 Gauge, Add</i>	16.46	
		<i>For 20 Gauge, Add</i>	26.84	
		<i>For 18 Gauge, Add</i>	41.16	
		<i>For 16 Gauge, Add</i>	50.11	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	26.48	
		<i>For Work In Restricted Working Space, Add</i>	81.74	
23 31 13 16-0115	EA	12" x 12" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	375.28	84.90
		<i>For Seal Class B, Add</i>	50.68	
		<i>For Seal Class A, Add</i>	135.16	
		<i>For 24 Gauge, Add</i>	7.48	
		<i>For 22 Gauge, Add</i>	17.20	
		<i>For 20 Gauge, Add</i>	28.04	
		<i>For 18 Gauge, Add</i>	43.00	
		<i>For 16 Gauge, Add</i>	52.35	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.67	
		<i>For Work In Restricted Working Space, Add</i>	101.37	
23 31 13 16-0116	EA	14" x 14" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	447.34	102.64
		<i>For Seal Class B, Add</i>	61.31	
		<i>For Seal Class A, Add</i>	163.49	
		<i>For 24 Gauge, Add</i>	7.72	
		<i>For 22 Gauge, Add</i>	17.76	
		<i>For 20 Gauge, Add</i>	28.96	
		<i>For 18 Gauge, Add</i>	44.40	
		<i>For 16 Gauge, Add</i>	54.05	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	28.57	
		<i>For Work In Restricted Working Space, Add</i>	122.62	
23 31 13 16-0117	EA	16" x 16" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	520.13	119.10
		<i>For Seal Class B, Add</i>	71.72	
		<i>For Seal Class A, Add</i>	191.26	
		<i>For 24 Gauge, Add</i>	8.40	
		<i>For 22 Gauge, Add</i>	19.32	
		<i>For 20 Gauge, Add</i>	31.49	
		<i>For 18 Gauge, Add</i>	48.29	
		<i>For 16 Gauge, Add</i>	58.79	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.07	
		<i>For Work In Restricted Working Space, Add</i>	143.44	
23 31 13 16-0118	EA	18" x 18" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	582.86	135.58
		<i>For Seal Class B, Add</i>	80.88	
		<i>For Seal Class A, Add</i>	215.67	
		<i>For 24 Gauge, Add</i>	8.74	
		<i>For 22 Gauge, Add</i>	20.09	
		<i>For 20 Gauge, Add</i>	32.76	
		<i>For 18 Gauge, Add</i>	50.23	
		<i>For 16 Gauge, Add</i>	61.15	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	32.32	
		<i>For Work In Restricted Working Space, Add</i>	161.75	
23 31 13 16-0119	EA	20" x 20" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	633.36	154.58
		<i>For Seal Class B, Add</i>	92.71	
		<i>For Seal Class A, Add</i>	247.23	
		<i>For 24 Gauge, Add</i>	9.06	
		<i>For 22 Gauge, Add</i>	20.83	
		<i>For 20 Gauge, Add</i>	33.96	
		<i>For 18 Gauge, Add</i>	52.07	
		<i>For 16 Gauge, Add</i>	63.39	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	33.51	
		<i>For Work In Restricted Working Space, Add</i>	185.42	
23 31 13 16-0120	EA	22" x 22" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	739.39	171.06
		<i>For Seal Class B, Add</i>	102.74	
		<i>For Seal Class A, Add</i>	273.96	
		<i>For 24 Gauge, Add</i>	10.90	
		<i>For 22 Gauge, Add</i>	25.07	
		<i>For 20 Gauge, Add</i>	40.87	
		<i>For 18 Gauge, Add</i>	62.66	
		<i>For 16 Gauge, Add</i>	76.29	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	40.32	
		<i>For Work In Restricted Working Space, Add</i>	205.47	

## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

## 23 30 HVAC Air Distribution

## 23 31 HVAC Ducts and Casings

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 31 13 16-0121	EA	24" x 24" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	801.60	186.26
		<i>For Seal Class B, Add</i>	111.80	
		<i>For Seal Class A, Add</i>	298.13	
		<i>For 24 Gauge, Add</i>	11.25	
		<i>For 22 Gauge, Add</i>	25.88	
		<i>For 20 Gauge, Add</i>	42.20	
		<i>For 18 Gauge, Add</i>	64.71	
		<i>For 16 Gauge, Add</i>	78.78	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	41.64	
		<i>For Work In Restricted Working Space, Add</i>	223.60	
23 31 13 16-0122	EA	8" x 8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	257.10	57.40
		<i>For Seal Class B, Add</i>	34.46	
		<i>For Seal Class A, Add</i>	91.88	
		<i>For 24 Gauge, Add</i>	5.48	
		<i>For 22 Gauge, Add</i>	12.60	
		<i>For 20 Gauge, Add</i>	20.54	
		<i>For 18 Gauge, Add</i>	31.50	
		<i>For 16 Gauge, Add</i>	38.35	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	20.27	
		<i>For Work In Restricted Working Space, Add</i>	68.91	
23 31 13 16-0123	EA	10" x 10" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	310.75	69.06
		<i>For Seal Class B, Add</i>	41.43	
		<i>For Seal Class A, Add</i>	110.47	
		<i>For 24 Gauge, Add</i>	6.92	
		<i>For 22 Gauge, Add</i>	15.91	
		<i>For 20 Gauge, Add</i>	25.94	
		<i>For 18 Gauge, Add</i>	39.77	
		<i>For 16 Gauge, Add</i>	48.41	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	25.59	
		<i>For Work In Restricted Working Space, Add</i>	82.85	
23 31 13 16-0124	EA	12" x 12" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	377.53	83.88
		<i>For Seal Class B, Add</i>	50.33	
		<i>For Seal Class A, Add</i>	134.22	
		<i>For 24 Gauge, Add</i>	8.40	
		<i>For 22 Gauge, Add</i>	19.31	
		<i>For 20 Gauge, Add</i>	31.49	
		<i>For 18 Gauge, Add</i>	48.28	
		<i>For 16 Gauge, Add</i>	58.77	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	31.07	
		<i>For Work In Restricted Working Space, Add</i>	100.67	
23 31 13 16-0125	EA	14" x 14" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	449.43	99.72
		<i>For Seal Class B, Add</i>	59.92	
		<i>For Seal Class A, Add</i>	159.78	
		<i>For 24 Gauge, Add</i>	10.00	
		<i>For 22 Gauge, Add</i>	22.99	
		<i>For 20 Gauge, Add</i>	37.49	
		<i>For 18 Gauge, Add</i>	57.48	
		<i>For 16 Gauge, Add</i>	69.97	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	36.99	
		<i>For Work In Restricted Working Space, Add</i>	119.84	
23 31 13 16-0126	EA	16" x 16" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	570.51	128.23
		<i>For Seal Class B, Add</i>	76.89	
		<i>For Seal Class A, Add</i>	205.03	
		<i>For 24 Gauge, Add</i>	11.59	
		<i>For 22 Gauge, Add</i>	26.65	
		<i>For 20 Gauge, Add</i>	43.46	
		<i>For 18 Gauge, Add</i>	66.63	
		<i>For 16 Gauge, Add</i>	81.12	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	42.88	
		<i>For Work In Restricted Working Space, Add</i>	153.77	
23 31 13 16-0127	EA	18" x 18" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	633.63	142.29
		<i>For Seal Class B, Add</i>	85.31	
		<i>For Seal Class A, Add</i>	227.48	
		<i>For 24 Gauge, Add</i>	12.99	
		<i>For 22 Gauge, Add</i>	29.87	
		<i>For 20 Gauge, Add</i>	48.70	
		<i>For 18 Gauge, Add</i>	74.67	
		<i>For 16 Gauge, Add</i>	90.90	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	48.05	
		<i>For Work In Restricted Working Space, Add</i>	170.61	
23 31 13 16-0128	EA	20" x 20" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	720.37	161.93
		<i>For Seal Class B, Add</i>	96.97	
		<i>For Seal Class A, Add</i>	258.58	
		<i>For 24 Gauge, Add</i>	14.78	
		<i>For 22 Gauge, Add</i>	34.00	
		<i>For 20 Gauge, Add</i>	55.43	
		<i>For 18 Gauge, Add</i>	85.00	
		<i>For 16 Gauge, Add</i>	103.47	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	54.69	
		<i>For Work In Restricted Working Space, Add</i>	193.94	
23 31 13 16-0129	EA	22" x 22" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	772.50	172.70
		<i>For Seal Class B, Add</i>	103.52	
		<i>For Seal Class A, Add</i>	276.05	
		<i>For 24 Gauge, Add</i>	16.47	
		<i>For 22 Gauge, Add</i>	37.89	
		<i>For 20 Gauge, Add</i>	61.78	
		<i>For 18 Gauge, Add</i>	94.73	
		<i>For 16 Gauge, Add</i>	115.32	
		<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	60.95	
		<i>For Work In Restricted Working Space, Add</i>	207.04	



MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 31 13 16-0130	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	838.12	187.27
		For Seal Class B, Add	112.33	
		For Seal Class A, Add	299.54	
		For 24 Gauge, Add	17.85	
		For 22 Gauge, Add	41.06	
		For 20 Gauge, Add	66.95	
		For 18 Gauge, Add	102.65	
		For 16 Gauge, Add	124.96	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	66.05	
		For Work In Restricted Working Space, Add	224.66	
23 31 13 16-0131	EA	10" x 10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	340.13	76.02
		For Seal Class B, Add	45.56	
		For Seal Class A, Add	121.48	
		For 24 Gauge, Add	7.28	
		For 22 Gauge, Add	16.75	
		For 20 Gauge, Add	27.32	
		For 18 Gauge, Add	41.88	
		For 16 Gauge, Add	50.99	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	26.95	
		For Work In Restricted Working Space, Add	91.11	
23 31 13 16-0132	EA	12" x 12" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	413.36	92.50
		For Seal Class B, Add	55.38	
		For Seal Class A, Add	147.68	
		For 24 Gauge, Add	8.83	
		For 22 Gauge, Add	20.32	
		For 20 Gauge, Add	33.13	
		For 18 Gauge, Add	50.80	
		For 16 Gauge, Add	61.84	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.69	
		For Work In Restricted Working Space, Add	110.76	
23 31 13 16-0133	EA	14" x 14" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	491.98	109.60
		For Seal Class B, Add	65.90	
		For Seal Class A, Add	175.74	
		For 24 Gauge, Add	10.53	
		For 22 Gauge, Add	24.21	
		For 20 Gauge, Add	39.48	
		For 18 Gauge, Add	60.54	
		For 16 Gauge, Add	73.70	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	38.95	
		For Work In Restricted Working Space, Add	131.80	
23 31 13 16-0134	EA	16" x 16" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	571.09	127.72
		For Seal Class B, Add	76.51	
		For Seal Class A, Add	204.04	
		For 24 Gauge, Add	12.20	
		For 22 Gauge, Add	28.06	
		For 20 Gauge, Add	45.75	
		For 18 Gauge, Add	70.15	
		For 16 Gauge, Add	85.40	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	45.14	
		For Work In Restricted Working Space, Add	153.03	
23 31 13 16-0135	EA	18" x 18" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	639.10	142.80
		For Seal Class B, Add	85.61	
		For Seal Class A, Add	228.30	
		For 24 Gauge, Add	13.67	
		For 22 Gauge, Add	31.44	
		For 20 Gauge, Add	51.26	
		For 18 Gauge, Add	78.60	
		For 16 Gauge, Add	95.69	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	50.58	
		For Work In Restricted Working Space, Add	171.23	
23 31 13 16-0136	EA	20" x 20" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	726.89	162.44
		For Seal Class B, Add	97.37	
		For Seal Class A, Add	259.64	
		For 24 Gauge, Add	15.56	
		For 22 Gauge, Add	35.78	
		For 20 Gauge, Add	58.34	
		For 18 Gauge, Add	89.45	
		For 16 Gauge, Add	108.89	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	57.56	
		For Work In Restricted Working Space, Add	194.73	
23 31 13 16-0137	EA	22" x 22" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	811.58	181.19
		For Seal Class B, Add	108.73	
		For Seal Class A, Add	289.95	
		For 24 Gauge, Add	17.34	
		For 22 Gauge, Add	39.89	
		For 20 Gauge, Add	65.03	
		For 18 Gauge, Add	99.72	
		For 16 Gauge, Add	121.39	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	64.17	
		For Work In Restricted Working Space, Add	217.46	
23 31 13 16-0138	EA	24" x 24" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct 45 Degree Reducing Lateral.....	879.97	196.65
		For Seal Class B, Add	117.90	
		For Seal Class A, Add	314.41	
		For 24 Gauge, Add	18.79	
		For 22 Gauge, Add	43.22	
		For 20 Gauge, Add	70.46	
		For 18 Gauge, Add	108.04	
		For 16 Gauge, Add	131.53	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	69.52	
		For Work In Restricted Working Space, Add	235.81	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0139			<b>Slip Joint, Galvanized, Spiral Duct Reducers (23 31 13 16-0074)</b>		
23 31 13 16-0140	EA		6" x 4", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	112.54	25.34
			For Seal Class B, Add	15.20	
			For Seal Class A, Add	40.54	
			For 24 Gauge, Add	2.24	
			For 22 Gauge, Add	5.14	
			For 20 Gauge, Add	8.39	
			For 18 Gauge, Add	12.86	
			For 16 Gauge, Add	15.65	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.27	
			For Work In Restricted Working Space, Add	30.41	
23 31 13 16-0141	EA		8" x 6", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	145.69	32.94
			For Seal Class B, Add	20.01	
			For Seal Class A, Add	53.35	
			For 24 Gauge, Add	2.46	
			For 22 Gauge, Add	5.66	
			For 20 Gauge, Add	9.23	
			For 18 Gauge, Add	14.16	
			For 16 Gauge, Add	17.23	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	9.11	
			For Work In Restricted Working Space, Add	40.01	
23 31 13 16-0142	EA		10" x 8", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	182.56	41.82
			For Seal Class B, Add	25.34	
			For Seal Class A, Add	67.58	
			For 24 Gauge, Add	2.72	
			For 22 Gauge, Add	6.27	
			For 20 Gauge, Add	10.22	
			For 18 Gauge, Add	15.66	
			For 16 Gauge, Add	19.07	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	10.08	
			For Work In Restricted Working Space, Add	50.68	
23 31 13 16-0143	EA		12" x 10", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	226.12	53.22
			For Seal Class B, Add	31.68	
			For Seal Class A, Add	84.47	
			For 24 Gauge, Add	2.99	
			For 22 Gauge, Add	6.87	
			For 20 Gauge, Add	11.21	
			For 18 Gauge, Add	17.18	
			For 16 Gauge, Add	20.92	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	11.06	
			For Work In Restricted Working Space, Add	63.35	
23 31 13 16-0144	EA		14" x 12", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	247.00	58.28
			For Seal Class B, Add	34.56	
			For Seal Class A, Add	92.15	
			For 24 Gauge, Add	3.33	
			For 22 Gauge, Add	7.65	
			For 20 Gauge, Add	12.47	
			For 18 Gauge, Add	19.12	
			For 16 Gauge, Add	23.28	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	12.31	
			For Work In Restricted Working Space, Add	69.11	
23 31 13 16-0145	EA		16" x 14", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	301.23	68.42
			For Seal Class B, Add	40.87	
			For Seal Class A, Add	108.99	
			For 24 Gauge, Add	5.75	
			For 22 Gauge, Add	13.23	
			For 20 Gauge, Add	21.56	
			For 18 Gauge, Add	33.06	
			For 16 Gauge, Add	40.25	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	21.28	
			For Work In Restricted Working Space, Add	81.74	
23 31 13 16-0146	EA		18" x 16", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	368.61	84.90
			For Seal Class B, Add	50.68	
			For Seal Class A, Add	135.16	
			For 24 Gauge, Add	6.14	
			For 22 Gauge, Add	14.13	
			For 20 Gauge, Add	23.04	
			For 18 Gauge, Add	35.33	
			For 16 Gauge, Add	43.01	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	22.73	
			For Work In Restricted Working Space, Add	101.37	
23 31 13 16-0147	EA		20" x 18", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	441.52	102.64
			For Seal Class B, Add	61.31	
			For Seal Class A, Add	163.49	
			For 24 Gauge, Add	6.56	
			For 22 Gauge, Add	15.08	
			For 20 Gauge, Add	24.59	
			For 18 Gauge, Add	37.71	
			For 16 Gauge, Add	45.91	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	24.26	
			For Work In Restricted Working Space, Add	122.62	
23 31 13 16-0148	EA		22" x 20", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	512.99	119.10
			For Seal Class B, Add	71.72	
			For Seal Class A, Add	191.26	
			For 24 Gauge, Add	6.97	
			For 22 Gauge, Add	16.03	
			For 20 Gauge, Add	26.14	
			For 18 Gauge, Add	40.08	
			For 16 Gauge, Add	48.79	
			For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	25.79	
			For Work In Restricted Working Space, Add	143.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 16-0149	EA		24" x 22", 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Reducer.....	575.91	135.58
			<i>For Seal Class B, Add</i>	80.88	
			<i>For Seal Class A, Add</i>	215.67	
			<i>For 24 Gauge, Add</i>	7.35	
			<i>For 22 Gauge, Add</i>	16.90	
			<i>For 20 Gauge, Add</i>	27.55	
			<i>For 18 Gauge, Add</i>	42.24	
			<i>For 16 Gauge, Add</i>	51.42	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	27.18	
			<i>For Work In Restricted Working Space, Add</i>	161.75	
<b>23 31 13 16-0150</b>			<b>Slip Joint, Galvanized, Spiral Duct Couplings (23 31 13 16-0074)</b>		
23 31 13 16-0151	EA		4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	73.78	17.74
			<i>For Seal Class B, Add</i>	10.27	
			<i>For Seal Class A, Add</i>	27.40	
			<i>For 24 Gauge, Add</i>	1.06	
			<i>For 22 Gauge, Add</i>	2.43	
			<i>For 20 Gauge, Add</i>	3.97	
			<i>For 18 Gauge, Add</i>	6.08	
			<i>For 16 Gauge, Add</i>	7.41	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	3.91	
			<i>For Work In Restricted Working Space, Add</i>	20.55	
23 31 13 16-0152	EA		6 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	107.37	25.34
			<i>For Seal Class B, Add</i>	15.20	
			<i>For Seal Class A, Add</i>	40.54	
			<i>For 24 Gauge, Add</i>	1.20	
			<i>For 22 Gauge, Add</i>	2.76	
			<i>For 20 Gauge, Add</i>	4.51	
			<i>For 18 Gauge, Add</i>	6.91	
			<i>For 16 Gauge, Add</i>	8.41	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.45	
			<i>For Work In Restricted Working Space, Add</i>	30.41	
23 31 13 16-0153	EA		8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	139.86	32.94
			<i>For Seal Class B, Add</i>	20.01	
			<i>For Seal Class A, Add</i>	53.35	
			<i>For 24 Gauge, Add</i>	1.30	
			<i>For 22 Gauge, Add</i>	2.98	
			<i>For 20 Gauge, Add</i>	4.86	
			<i>For 18 Gauge, Add</i>	7.45	
			<i>For 16 Gauge, Add</i>	9.07	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	4.80	
			<i>For Work In Restricted Working Space, Add</i>	40.01	
23 31 13 16-0154	EA		10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	175.89	41.82
			<i>For Seal Class B, Add</i>	25.34	
			<i>For Seal Class A, Add</i>	67.58	
			<i>For 24 Gauge, Add</i>	1.39	
			<i>For 22 Gauge, Add</i>	3.20	
			<i>For 20 Gauge, Add</i>	5.21	
			<i>For 18 Gauge, Add</i>	7.99	
			<i>For 16 Gauge, Add</i>	9.73	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.14	
			<i>For Work In Restricted Working Space, Add</i>	50.68	
23 31 13 16-0155	EA		12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	218.60	53.22
			<i>For Seal Class B, Add</i>	31.68	
			<i>For Seal Class A, Add</i>	84.47	
			<i>For 24 Gauge, Add</i>	1.48	
			<i>For 22 Gauge, Add</i>	3.41	
			<i>For 20 Gauge, Add</i>	5.57	
			<i>For 18 Gauge, Add</i>	8.53	
			<i>For 16 Gauge, Add</i>	10.39	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.49	
			<i>For Work In Restricted Working Space, Add</i>	63.35	
23 31 13 16-0156	EA		14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	238.26	58.28
			<i>For Seal Class B, Add</i>	34.56	
			<i>For Seal Class A, Add</i>	92.15	
			<i>For 24 Gauge, Add</i>	1.58	
			<i>For 22 Gauge, Add</i>	3.63	
			<i>For 20 Gauge, Add</i>	5.92	
			<i>For 18 Gauge, Add</i>	9.07	
			<i>For 16 Gauge, Add</i>	11.05	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	5.84	
			<i>For Work In Restricted Working Space, Add</i>	69.11	
23 31 13 16-0157	EA		16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	281.22	68.42
			<i>For Seal Class B, Add</i>	40.87	
			<i>For Seal Class A, Add</i>	108.99	
			<i>For 24 Gauge, Add</i>	1.75	
			<i>For 22 Gauge, Add</i>	4.02	
			<i>For 20 Gauge, Add</i>	6.56	
			<i>For 18 Gauge, Add</i>	10.05	
			<i>For 16 Gauge, Add</i>	12.24	
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	6.47	
			<i>For Work In Restricted Working Space, Add</i>	81.74	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0158	EA 18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	347.10	84.90
	For Seal Class B, Add	50.68	
	For Seal Class A, Add	135.16	
	For 24 Gauge, Add	1.84	
	For 22 Gauge, Add	4.24	
	For 20 Gauge, Add	6.91	
	For 18 Gauge, Add	10.59	
	For 16 Gauge, Add	12.89	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.82	
	For Work In Restricted Working Space, Add	101.37	
23 31 13 16-0159	EA 20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	418.50	102.64
	For Seal Class B, Add	61.31	
	For Seal Class A, Add	163.49	
	For 24 Gauge, Add	1.95	
	For 22 Gauge, Add	4.49	
	For 20 Gauge, Add	7.33	
	For 18 Gauge, Add	11.24	
	For 16 Gauge, Add	13.68	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.23	
	For Work In Restricted Working Space, Add	122.62	
23 31 13 16-0160	EA 22 Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	488.29	239.48
	For Seal Class B, Add	71.72	
	For Seal Class A, Add	191.26	
	For 24 Gauge, Add	2.03	
	For 22 Gauge, Add	4.67	
	For 20 Gauge, Add	7.61	
	For 18 Gauge, Add	11.67	
	For 16 Gauge, Add	14.21	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.51	
	For Work In Restricted Working Space, Add	143.44	
23 31 13 16-0161	EA 24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Coupling.....	549.89	269.89
	For Seal Class B, Add	80.88	
	For Seal Class A, Add	215.67	
	For 24 Gauge, Add	2.14	
	For 22 Gauge, Add	4.93	
	For 20 Gauge, Add	8.03	
	For 18 Gauge, Add	12.32	
	For 16 Gauge, Add	14.99	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.93	
	For Work In Restricted Working Space, Add	161.75	
23 31 13 16-0162	Slip Joint, Galvanized, Spiral Duct Caps <small>(23 31 13 16-0074)</small>		
23 31 13 16-0163	EA 4" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap.....	40.45	17.74
	For Seal Class B, Add	5.14	
	For Seal Class A, Add	13.70	
	For 24 Gauge, Add	1.24	
	For 22 Gauge, Add	2.85	
	For 20 Gauge, Add	4.65	
	For 18 Gauge, Add	7.13	
	For 16 Gauge, Add	8.68	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	4.59	
	For Work In Restricted Working Space, Add	10.28	
23 31 13 16-0164	EA 6" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap.....	57.63	25.34
	For Seal Class B, Add	7.60	
	For Seal Class A, Add	20.27	
	For 24 Gauge, Add	1.39	
	For 22 Gauge, Add	3.20	
	For 20 Gauge, Add	5.21	
	For 18 Gauge, Add	7.99	
	For 16 Gauge, Add	9.73	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.14	
	For Work In Restricted Working Space, Add	15.20	
23 31 13 16-0165	EA 8" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap.....	74.29	34.22
	For Seal Class B, Add	10.00	
	For Seal Class A, Add	26.67	
	For 24 Gauge, Add	1.52	
	For 22 Gauge, Add	3.50	
	For 20 Gauge, Add	5.71	
	For 18 Gauge, Add	8.75	
	For 16 Gauge, Add	10.65	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	5.63	
	For Work In Restricted Working Space, Add	20.00	
23 31 13 16-0166	EA 10" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap.....	92.92	43.08
	For Seal Class B, Add	12.67	
	For Seal Class A, Add	33.79	
	For 24 Gauge, Add	1.69	
	For 22 Gauge, Add	3.89	
	For 20 Gauge, Add	6.34	
	For 18 Gauge, Add	9.72	
	For 16 Gauge, Add	11.83	
	For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.25	
	For Work In Restricted Working Space, Add	25.34	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 13 16-0167	EA	12" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap .....	114.97	53.22
		For Seal Class B, Add	15.84	
		For Seal Class A, Add	42.23	
		For 24 Gauge, Add	1.88	
		For 22 Gauge, Add	4.32	
		For 20 Gauge, Add	7.04	
		For 18 Gauge, Add	10.80	
		For 16 Gauge, Add	13.15	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	6.95	
		For Work In Restricted Working Space, Add	31.67	
23 31 13 16-0168	EA	14" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap .....	125.52	58.28
		For Seal Class B, Add	17.28	
		For Seal Class A, Add	46.08	
		For 24 Gauge, Add	2.07	
		For 22 Gauge, Add	4.75	
		For 20 Gauge, Add	7.75	
		For 18 Gauge, Add	11.88	
		For 16 Gauge, Add	14.46	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	7.64	
		For Work In Restricted Working Space, Add	34.56	
23 31 13 16-0169	EA	16" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap .....	145.31	67.16
		For Seal Class B, Add	20.01	
		For Seal Class A, Add	53.35	
		For 24 Gauge, Add	2.39	
		For 22 Gauge, Add	5.49	
		For 20 Gauge, Add	8.95	
		For 18 Gauge, Add	13.72	
		For 16 Gauge, Add	16.70	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	8.83	
		For Work In Restricted Working Space, Add	40.01	
23 31 13 16-0170	EA	18" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap .....	209.15	84.90
		For Seal Class B, Add	25.34	
		For Seal Class A, Add	67.58	
		For 24 Gauge, Add	8.04	
		For 22 Gauge, Add	18.50	
		For 20 Gauge, Add	30.16	
		For 18 Gauge, Add	46.24	
		For 16 Gauge, Add	56.29	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	29.76	
		For Work In Restricted Working Space, Add	50.68	
23 31 13 16-0171	EA	20" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap .....	254.77	105.17
		For Seal Class B, Add	31.68	
		For Seal Class A, Add	84.47	
		For 24 Gauge, Add	8.72	
		For 22 Gauge, Add	20.05	
		For 20 Gauge, Add	32.69	
		For 18 Gauge, Add	50.13	
		For 16 Gauge, Add	61.03	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	32.26	
		For Work In Restricted Working Space, Add	63.35	
23 31 13 16-0172	EA	22" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap .....	277.34	115.31
		For Seal Class B, Add	34.56	
		For Seal Class A, Add	92.15	
		For 24 Gauge, Add	9.39	
		For 22 Gauge, Add	21.61	
		For 20 Gauge, Add	35.23	
		For 18 Gauge, Add	54.02	
		For 16 Gauge, Add	65.76	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	34.76	
		For Work In Restricted Working Space, Add	69.11	
23 31 13 16-0173	EA	24" Diameter, 26 Gauge, Seal Class C, Slip Joint, Galvanized, Spiral Duct Cap .....	320.04	134.31
		For Seal Class B, Add	40.44	
		For Seal Class A, Add	107.84	
		For 24 Gauge, Add	10.09	
		For 22 Gauge, Add	23.21	
		For 20 Gauge, Add	37.84	
		For 18 Gauge, Add	58.02	
		For 16 Gauge, Add	70.63	
		For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add	37.33	
		For Work In Restricted Working Space, Add	80.88	
<b>23 31 13 19 Metal Duct Fittings (23 31 13)</b>				
<b>23 31 13 19-0001 Sheet Metal Baffles (23 31 13 19)</b>				
23 31 13 19-0002	LF	Sheet Metal Baffles Under Raised Floor .....	50.04	40.28
		For Work In Restricted Working Space, Add	14.73	
		For Elevated Installation >10' To 15', Add	4.91	
		For Elevated Installation >15' To 20', Add	9.82	
		For Elevated Installation >20' To 25', Add	12.27	
		For Elevated Installation >25' To 30', Add	17.18	
		For Elevated Installation >30' To 35', Add	19.64	
		For Elevated Installation >35' To 40', Add	24.55	
		For Elevated Installation >40', Add	27.00	
<b>23 31 13 19-0003 Duct Register Boots (23 31 13 19)</b>				
23 31 13 19-0004	EA	10" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel .....	43.50	17.16
		For Stainless Steel, Add	11.95	
23 31 13 19-0005	EA	10" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel .....	43.50	17.16
		For Stainless Steel, Add	11.95	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 31 HVAC Ducts and Casings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 13 19-0006	EA		12" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	46.46	18.53
			<i>For Stainless Steel, Add</i>	12.22	
23 31 13 19-0007	EA		12" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	46.46	18.53
			<i>For Stainless Steel, Add</i>	12.22	
23 31 13 19-0008	EA		12" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	48.73	18.53
			<i>For Stainless Steel, Add</i>	15.17	
23 31 13 19-0009	EA		14" x 2-1/4" x 5" Register Boot, 90 Degree, Galvanized Steel.....	50.32	19.90
			<i>For Stainless Steel, Add</i>	13.68	
23 31 13 19-0010	EA		14" x 2-1/4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	50.32	19.90
			<i>For Stainless Steel, Add</i>	13.68	
23 31 13 19-0011	EA		14" x 2-1/4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	51.73	19.90
			<i>For Stainless Steel, Add</i>	15.51	
23 31 13 19-0012	EA		10" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	50.83	21.27
			<i>For Stainless Steel, Add</i>	10.76	
23 31 13 19-0013	EA		12" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	53.81	22.64
			<i>For Stainless Steel, Add</i>	11.08	
23 31 13 19-0014	EA		12" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	59.59	22.64
			<i>For Stainless Steel, Add</i>	18.59	
23 31 13 19-0015	EA		14" x 4" x 6" Register Boot, 90 Degree, Galvanized Steel.....	57.06	24.02
			<i>For Stainless Steel, Add</i>	11.74	
23 31 13 19-0016	EA		14" x 4" x 7" Register Boot, 90 Degree, Galvanized Steel.....	62.72	24.02
			<i>For Stainless Steel, Add</i>	19.10	
23 31 13 19-0017	EA		12" x 2-1/4" x 5" Register Boot, Center, Galvanized Steel.....	45.09	18.53
			<i>For Stainless Steel, Add</i>	10.44	
23 31 13 19-0018	EA		12" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	45.09	18.53
			<i>For Stainless Steel, Add</i>	10.44	
23 31 13 19-0019	EA		14" x 2-1/4" x 6" Register Boot, Center, Galvanized Steel.....	48.75	19.90
			<i>For Stainless Steel, Add</i>	11.64	
23 31 13 19-0020	EA		14" x 2-1/4" x 7" Register Boot, Center, Galvanized Steel.....	50.10	19.90
			<i>For Stainless Steel, Add</i>	13.39	
23 31 13 19-0021	EA		10" x 4" x 6" Register Boot, Center, Galvanized Steel.....	51.01	21.27
			<i>For Stainless Steel, Add</i>	11.00	
23 31 13 19-0022	EA		12" x 4" x 6" Register Boot, Center, Galvanized Steel.....	53.97	22.64
			<i>For Stainless Steel, Add</i>	11.28	
23 31 13 19-0023	EA		12" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	46.01	18.53
			<i>For Stainless Steel, Add</i>	11.64	
23 31 13 19-0024	EA		14" x 2-1/4" x 6" Register Boot, End, Galvanized Steel.....	49.30	19.90
			<i>For Stainless Steel, Add</i>	12.35	
23 31 13 19-0025	EA		10" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	43.50	17.16
			<i>For Stainless Steel, Add</i>	11.95	
23 31 13 19-0026	EA		12" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	46.46	18.53
			<i>For Stainless Steel, Add</i>	12.22	
23 31 13 19-0027	EA		14" x 2-1/4" x 5" Register Boot, Universal, Galvanized Steel.....	50.32	19.90
			<i>For Stainless Steel, Add</i>	13.68	
23 31 13 19-0028	EA		14" x 2-1/4" x 6" Register Boot, Universal, Galvanized Steel.....	50.32	19.90
			<i>For Stainless Steel, Add</i>	13.68	
23 31 13 19-0029	EA		10" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	50.83	21.27
			<i>For Stainless Steel, Add</i>	10.76	
23 31 13 19-0030	EA		12" x 4" x 6" Register Boot, Universal, Galvanized Steel.....	53.81	22.64
			<i>For Stainless Steel, Add</i>	11.08	
23 31 13 19-0031	EA		12" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	59.59	22.64
			<i>For Stainless Steel, Add</i>	18.59	
23 31 13 19-0032	EA		14" x 4" x 7" Register Boot, Universal, Galvanized Steel.....	62.33	24.02
			<i>For Stainless Steel, Add</i>	18.59	

**23 31 13 23 Galvanized Steel Welded Duct** (23 31 13)

Note: All field fabricated duct is assembled from flat duct sheets on site to fit to exact field conditions. Ductwork which is fabricated off site or snap-fitting duct is considered as shop fabricated.

**23 31 13 23-0001 Welded Steel Ductwork** (23 31 13 23)

Note: Ductwork poundage includes all fittings, transitions, collars, straps, support straps, etc.

**23 31 13 23-0002 Galvanized Steel Welded Duct, For Kitchen** (23 31 13 23-0001)

Note: Also includes special exhaust systems and waste.

23 31 13 23-0003	LB		Galvanized Steel Welded Duct.....	28.38	12.21
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	2.89	
			<i>For Work In Restricted Working Space, Add</i>	7.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.79	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.24	
			<i>For Elevated Installation &gt;40', Add</i>	13.46	

**23 31 13 23-0004 Black Steel Ductwork** (23 31 13 23-0001)

23 31 13 23-0005	LB		Black Steel Ductwork.....	26.06	12.59
			<i>For Polyvinyl Chloride (PVC) Coated, Inside And Outside, Add</i>	0.65	
			<i>For Work In Restricted Working Space, Add</i>	7.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.59	
			<i>For Elevated Installation &gt;40', Add</i>	13.85	

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**23 31 16 Non-metal Ducts (23 31)**

**23 31 16 13 Fibrous-Glass Ducts (23 31 16)**

**23 31 16 13-001 Glass Fiber Duct Board (23 31 16 13)**

Note: Rigid, rectangular boards faced on one side with a fire-resistant foil-scrim-kraft (FSK) vapor retarder and a lightweight fiber glass mat on the airstream surface.

23 31 16 13-0002	SF	1" Glass Fiber Duct Board (EI-475) .....	12.41	2.52
23 31 16 13-0003	SF	1-1/2" Glass Fiber Duct Board (EI-800) .....	14.59	2.77
23 31 16 13-0004	SF	2" Glass Fiber Duct Board (EI-800) .....	16.87	3.05

**23 31 16 16 Thermoset Fiberglass-Reinforced Plastic Ducts (23 31 16)**

**23 31 16 16-001 Fiber Reinforced Round Plastic Duct (23 31 16 16)**

**23 31 16 16-002 Fiber Reinforced Round Plastic Duct (23 31 16 16-001)**

23 31 16 16-0003	LF	2" Fiber Reinforced Plastic Duct .....	21.58	7.40
23 31 16 16-0004	LF	3" Fiber Reinforced Plastic Duct .....	26.92	8.66
23 31 16 16-0005	LF	4" Fiber Reinforced Plastic Duct .....	36.72	12.71
23 31 16 16-0006	LF	6" Fiber Reinforced Plastic Duct .....	48.50	16.05
23 31 16 16-0007	LF	8" Fiber Reinforced Plastic Duct .....	61.39	20.11
23 31 16 16-0008	LF	10" Fiber Reinforced Plastic Duct .....	74.02	24.16
23 31 16 16-0009	LF	12" Fiber Reinforced Plastic Duct .....	83.53	28.21
23 31 16 16-0010	LF	14" Fiber Reinforced Plastic Duct .....	95.04	30.86
23 31 16 16-0011	LF	16" Fiber Reinforced Plastic Duct .....	102.62	32.82
23 31 16 16-0012	LF	18" Fiber Reinforced Plastic Duct .....	126.79	36.87
23 31 16 16-0013	LF	20" Fiber Reinforced Plastic Duct .....	133.50	39.52
23 31 16 16-0014	LF	24" Fiber Reinforced Plastic Duct .....	163.32	42.17
23 31 16 16-0015	LF	30" Fiber Reinforced Plastic Duct .....	187.16	48.88
23 31 16 16-0016	LF	36" Fiber Reinforced Plastic Duct .....	216.60	58.93
23 31 16 16-0017	LF	42" Fiber Reinforced Plastic Duct .....	286.91	65.63
23 31 16 16-0018	LF	48" Fiber Reinforced Plastic Duct .....	321.44	73.73
23 31 16 16-0019	LF	54" Fiber Reinforced Plastic Duct .....	357.63	84.49
23 31 16 16-0020	LF	60" Fiber Reinforced Plastic Duct .....	406.43	98.59
23 31 16 16-0021	LF	66" Fiber Reinforced Plastic Duct .....	439.07	120.65
23 31 16 16-0022	LF	72" Fiber Reinforced Plastic Duct .....	535.86	147.47

**23 31 16 16-0023 Fiber Reinforced Plastic Bell (23 31 16 16-001)**

23 31 16 16-0024	EA	2" Fiber Reinforced Plastic Bell .....	77.49	30.02
23 31 16 16-0025	EA	3" Fiber Reinforced Plastic Bell .....	93.03	35.61
23 31 16 16-0026	EA	4" Fiber Reinforced Plastic Bell .....	107.77	41.89
23 31 16 16-0027	EA	6" Fiber Reinforced Plastic Bell .....	142.26	55.86
23 31 16 16-0028	EA	8" Fiber Reinforced Plastic Bell .....	174.54	69.83
23 31 16 16-0029	EA	10" Fiber Reinforced Plastic Bell .....	204.65	83.78
23 31 16 16-0030	EA	12" Fiber Reinforced Plastic Bell .....	253.87	104.03
23 31 16 16-0031	EA	14" Fiber Reinforced Plastic Bell .....	270.81	111.72
23 31 16 16-0032	EA	16" Fiber Reinforced Plastic Bell .....	293.32	119.40
23 31 16 16-0033	EA	18" Fiber Reinforced Plastic Bell .....	315.83	128.48
23 31 16 16-0034	EA	20" Fiber Reinforced Plastic Bell .....	344.73	139.64
23 31 16 16-0035	EA	24" Fiber Reinforced Plastic Bell .....	394.46	153.61
23 31 16 16-0036	EA	30" Fiber Reinforced Plastic Bell .....	450.75	167.57
23 31 16 16-0037	EA	36" Fiber Reinforced Plastic Bell .....	510.11	188.52
23 31 16 16-0038	EA	42" Fiber Reinforced Plastic Bell .....	569.46	209.47
23 31 16 16-0039	EA	48" Fiber Reinforced Plastic Bell .....	628.77	230.41
23 31 16 16-0040	EA	54" Fiber Reinforced Plastic Bell .....	776.70	279.29
23 31 16 16-0041	EA	60" Fiber Reinforced Plastic Bell .....	938.16	349.12
23 31 16 16-0042	EA	66" Fiber Reinforced Plastic Bell .....	1,125.72	418.93
23 31 16 16-0043	EA	72" Fiber Reinforced Plastic Bell .....	1,285.62	474.79

**23 31 16 16-0044 Fiber Reinforced Plastic Flange (23 31 16 16-001)**

23 31 16 16-0045	EA	2" Fiber Reinforced Plastic Flange .....	112.39	30.02
23 31 16 16-0046	EA	3" Fiber Reinforced Plastic Flange .....	130.11	35.61
23 31 16 16-0047	EA	4" Fiber Reinforced Plastic Flange .....	149.22	41.89
23 31 16 16-0048	EA	6" Fiber Reinforced Plastic Flange .....	194.61	55.86
23 31 16 16-0049	EA	8" Fiber Reinforced Plastic Flange .....	237.80	69.83
23 31 16 16-0050	EA	10" Fiber Reinforced Plastic Flange .....	280.99	83.78
23 31 16 16-0051	EA	12" Fiber Reinforced Plastic Flange .....	334.57	104.03
23 31 16 16-0052	EA	14" Fiber Reinforced Plastic Flange .....	368.96	111.72
23 31 16 16-0053	EA	16" Fiber Reinforced Plastic Flange .....	402.38	119.40
23 31 16 16-0054	EA	18" Fiber Reinforced Plastic Flange .....	429.26	128.48
23 31 16 16-0055	EA	20" Fiber Reinforced Plastic Flange .....	453.79	139.64
23 31 16 16-0056	EA	24" Fiber Reinforced Plastic Flange .....	525.33	153.61
23 31 16 16-0057	EA	30" Fiber Reinforced Plastic Flange .....	577.26	167.57
23 31 16 16-0058	EA	36" Fiber Reinforced Plastic Flange .....	699.87	188.52
23 31 16 16-0059	EA	42" Fiber Reinforced Plastic Flange .....	778.85	209.47
23 31 16 16-0060	EA	48" Fiber Reinforced Plastic Flange .....	879.61	230.41
23 31 16 16-0061	EA	54" Fiber Reinforced Plastic Flange .....	1,038.45	279.29
23 31 16 16-0062	EA	60" Fiber Reinforced Plastic Flange .....	1,250.07	349.12
23 31 16 16-0063	EA	66" Fiber Reinforced Plastic Flange .....	1,461.63	418.93
23 31 16 16-0064	EA	72" Fiber Reinforced Plastic Flange .....	1,669.52	474.79

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16	16-0065		<b>Fiber Reinforced Plastic 90 Degree Elbow</b> (23 31 16 16-0001)		
23 31 16	16-0066	EA	2" Fiber Reinforced Plastic 90 Degree Elbow .....	192.63	72.34
23 31 16	16-0067	EA	3" Fiber Reinforced Plastic 90 Degree Elbow .....	227.00	86.44
23 31 16	16-0068	EA	4" Fiber Reinforced Plastic 90 Degree Elbow .....	263.53	100.54
23 31 16	16-0069	EA	6" Fiber Reinforced Plastic 90 Degree Elbow .....	343.40	134.06
23 31 16	16-0070	EA	8" Fiber Reinforced Plastic 90 Degree Elbow .....	423.25	167.57
23 31 16	16-0071	EA	10" Fiber Reinforced Plastic 90 Degree Elbow .....	503.13	201.09
23 31 16	16-0072	EA	12" Fiber Reinforced Plastic 90 Degree Elbow .....	619.61	250.11
23 31 16	16-0073	EA	14" Fiber Reinforced Plastic 90 Degree Elbow .....	692.14	264.77
23 31 16	16-0074	EA	16" Fiber Reinforced Plastic 90 Degree Elbow .....	780.30	287.53
23 31 16	16-0075	EA	18" Fiber Reinforced Plastic 90 Degree Elbow .....	910.92	308.33
23 31 16	16-0076	EA	20" Fiber Reinforced Plastic 90 Degree Elbow .....	1,038.54	335.15
23 31 16	16-0077	EA	24" Fiber Reinforced Plastic 90 Degree Elbow .....	1,192.56	368.66
23 31 16	16-0078	EA	30" Fiber Reinforced Plastic 90 Degree Elbow .....	1,553.74	402.18
23 31 16	16-0079	EA	36" Fiber Reinforced Plastic 90 Degree Elbow .....	1,953.86	452.45
23 31 16	16-0080	EA	42" Fiber Reinforced Plastic 90 Degree Elbow .....	2,517.56	502.87
23 31 16	16-0081	EA	48" Fiber Reinforced Plastic 90 Degree Elbow .....	2,961.33	553.14
23 31 16	16-0082	EA	54" Fiber Reinforced Plastic 90 Degree Elbow .....	3,516.53	670.30
23 31 16	16-0083	EA	60" Fiber Reinforced Plastic 90 Degree Elbow .....	4,275.70	837.87
23 31 16	16-0084	EA	66" Fiber Reinforced Plastic 90 Degree Elbow .....	5,034.31	1,005.17
23 31 16	16-0085	EA	72" Fiber Reinforced Plastic 90 Degree Elbow .....	5,737.37	1,139.09
23 31 16	16-0086		<b>Fiber Reinforced Plastic 45 Degree Elbow</b> (23 31 16 16-0001)		
23 31 16	16-0087	EA	2" Fiber Reinforced Plastic 45 Degree Elbow .....	168.63	72.34
23 31 16	16-0088	EA	3" Fiber Reinforced Plastic 45 Degree Elbow .....	198.64	86.44
23 31 16	16-0089	EA	4" Fiber Reinforced Plastic 45 Degree Elbow .....	230.79	100.54
23 31 16	16-0090	EA	6" Fiber Reinforced Plastic 45 Degree Elbow .....	295.41	134.06
23 31 16	16-0091	EA	8" Fiber Reinforced Plastic 45 Degree Elbow .....	360.00	167.57
23 31 16	16-0092	EA	10" Fiber Reinforced Plastic 45 Degree Elbow .....	429.06	201.09
23 31 16	16-0093	EA	12" Fiber Reinforced Plastic 45 Degree Elbow .....	530.27	250.11
23 31 16	16-0094	EA	14" Fiber Reinforced Plastic 45 Degree Elbow .....	572.06	264.77
23 31 16	16-0095	EA	16" Fiber Reinforced Plastic 45 Degree Elbow .....	666.62	287.39
23 31 16	16-0096	EA	18" Fiber Reinforced Plastic 45 Degree Elbow .....	754.25	308.62
23 31 16	16-0097	EA	20" Fiber Reinforced Plastic 45 Degree Elbow .....	859.59	335.15
23 31 16	16-0098	EA	24" Fiber Reinforced Plastic 45 Degree Elbow .....	980.33	368.39
23 31 16	16-0099	EA	30" Fiber Reinforced Plastic 45 Degree Elbow .....	1,204.23	401.90
23 31 16	16-0100	EA	36" Fiber Reinforced Plastic 45 Degree Elbow .....	1,450.66	452.87
23 31 16	16-0101	EA	42" Fiber Reinforced Plastic 45 Degree Elbow .....	1,804.90	503.14
23 31 16	16-0102	EA	48" Fiber Reinforced Plastic 45 Degree Elbow .....	2,099.74	553.14
23 31 16	16-0103	EA	54" Fiber Reinforced Plastic 45 Degree Elbow .....	2,508.80	670.30
23 31 16	16-0104	EA	60" Fiber Reinforced Plastic 45 Degree Elbow .....	3,028.03	837.87
23 31 16	16-0105	EA	66" Fiber Reinforced Plastic 45 Degree Elbow .....	3,569.68	1,003.21
23 31 16	16-0106	EA	72" Fiber Reinforced Plastic 45 Degree Elbow .....	4,038.07	1,140.21
23 31 16	16-0107		<b>Fiber Reinforced Plastic Tee</b> (23 31 16 16-0001)		
23 31 16	16-0108	EA	2" Fiber Reinforced Plastic Tee .....	256.20	107.94
23 31 16	16-0109	EA	3" Fiber Reinforced Plastic Tee .....	303.97	130.01
23 31 16	16-0110	EA	4" Fiber Reinforced Plastic Tee .....	349.52	150.81
23 31 16	16-0111	EA	6" Fiber Reinforced Plastic Tee .....	455.14	201.09
23 31 16	16-0112	EA	8" Fiber Reinforced Plastic Tee .....	558.53	250.11
23 31 16	16-0113	EA	10" Fiber Reinforced Plastic Tee .....	668.52	303.03
23 31 16	16-0114	EA	12" Fiber Reinforced Plastic Tee .....	808.47	367.27
23 31 16	16-0115	EA	14" Fiber Reinforced Plastic Tee .....	880.57	397.43
23 31 16	16-0116	EA	16" Fiber Reinforced Plastic Tee .....	1,003.08	431.78
23 31 16	16-0117	EA	18" Fiber Reinforced Plastic Tee .....	1,119.84	462.51
23 31 16	16-0118	EA	20" Fiber Reinforced Plastic Tee .....	1,274.26	502.87
23 31 16	16-0119	EA	24" Fiber Reinforced Plastic Tee .....	1,445.37	553.14
23 31 16	16-0120	EA	30" Fiber Reinforced Plastic Tee .....	1,692.31	603.13
23 31 16	16-0121	EA	36" Fiber Reinforced Plastic Tee .....	2,004.15	678.95
23 31 16	16-0122	EA	42" Fiber Reinforced Plastic Tee .....	2,565.90	754.36
23 31 16	16-0123	EA	48" Fiber Reinforced Plastic Tee .....	3,019.11	829.92
23 31 16	16-0124	EA	54" Fiber Reinforced Plastic Tee .....	3,639.94	1,006.15
23 31 16	16-0125	EA	60" Fiber Reinforced Plastic Tee .....	4,385.82	1,257.37
23 31 16	16-0126	EA	66" Fiber Reinforced Plastic Tee .....	5,130.90	1,508.03
23 31 16	16-0127	EA	72" Fiber Reinforced Plastic Tee .....	5,794.57	1,709.96
23 31 16	16-0128		<b>Fiber Reinforced Plastic Lateral Joint</b> (23 31 16 16-0001)		
23 31 16	16-0129	EA	2" Fiber Reinforced Plastic Lateral Joint .....	223.47	107.94
23 31 16	16-0130	EA	3" Fiber Reinforced Plastic Lateral Joint .....	264.67	130.01
23 31 16	16-0131	EA	4" Fiber Reinforced Plastic Lateral Joint .....	303.75	150.81
23 31 16	16-0132	EA	6" Fiber Reinforced Plastic Lateral Joint .....	391.98	201.09
23 31 16	16-0133	EA	8" Fiber Reinforced Plastic Lateral Joint .....	477.92	250.11
23 31 16	16-0134	EA	10" Fiber Reinforced Plastic Lateral Joint .....	574.81	303.03
23 31 16	16-0135	EA	12" Fiber Reinforced Plastic Lateral Joint .....	691.00	367.55
23 31 16	16-0136	EA	14" Fiber Reinforced Plastic Lateral Joint .....	749.08	397.15
23 31 16	16-0137	EA	16" Fiber Reinforced Plastic Lateral Joint .....	820.16	431.92
23 31 16	16-0138	EA	18" Fiber Reinforced Plastic Lateral Joint .....	884.94	462.92
23 31 16	16-0139	EA	20" Fiber Reinforced Plastic Lateral Joint .....	965.12	503.14
23 31 16	16-0140	EA	24" Fiber Reinforced Plastic Lateral Joint .....	1,065.83	553.14
23 31 16	16-0141	EA	30" Fiber Reinforced Plastic Lateral Joint .....	1,172.60	602.85
23 31 16	16-0142	EA	36" Fiber Reinforced Plastic Lateral Joint .....	1,322.86	678.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 31 16 16-0143	EA		42" Fiber Reinforced Plastic Lateral Joint.....	1,476.19	754.79
23 31 16 16-0144	EA		48" Fiber Reinforced Plastic Lateral Joint.....	1,622.57	829.64
23 31 16 16-0145	EA		54" Fiber Reinforced Plastic Lateral Joint.....	1,944.66	1,003.21
23 31 16 16-0146	EA		60" Fiber Reinforced Plastic Lateral Joint.....	2,393.77	1,259.60
23 31 16 16-0147	EA		66" Fiber Reinforced Plastic Lateral Joint.....	2,886.04	1,509.15
23 31 16 16-0148	EA		72" Fiber Reinforced Plastic Lateral Joint.....	3,242.52	1,709.96

**23 31 16 16-0149 Fiber Reinforced Plastic One Piece Reducer (23 31 16 16-0001)**

23 31 16 16-0150	EA		2" Fiber Reinforced Plastic One Piece Reducer.....	177.40	72.48
23 31 16 16-0151	EA		3" Fiber Reinforced Plastic One Piece Reducer.....	209.63	86.58
23 31 16 16-0152	EA		4" Fiber Reinforced Plastic One Piece Reducer.....	246.17	100.54
23 31 16 16-0153	EA		6" Fiber Reinforced Plastic One Piece Reducer.....	319.40	134.06
23 31 16 16-0154	EA		8" Fiber Reinforced Plastic One Piece Reducer.....	388.35	167.57
23 31 16 16-0155	EA		10" Fiber Reinforced Plastic One Piece Reducer.....	467.36	201.92
23 31 16 16-0156	EA		12" Fiber Reinforced Plastic One Piece Reducer.....	560.81	250.11
23 31 16 16-0157	EA		14" Fiber Reinforced Plastic One Piece Reducer.....	598.24	264.77
23 31 16 16-0158	EA		16" Fiber Reinforced Plastic One Piece Reducer.....	657.89	287.39
23 31 16 16-0159	EA		18" Fiber Reinforced Plastic One Piece Reducer.....	719.35	308.62
23 31 16 16-0160	EA		20" Fiber Reinforced Plastic One Piece Reducer.....	798.52	335.15
23 31 16 16-0161	EA		24" Fiber Reinforced Plastic One Piece Reducer.....	903.10	369.08
23 31 16 16-0162	EA		30" Fiber Reinforced Plastic One Piece Reducer.....	1,007.28	402.88
23 31 16 16-0163	EA		36" Fiber Reinforced Plastic One Piece Reducer.....	1,138.74	452.87
23 31 16 16-0164	EA		42" Fiber Reinforced Plastic One Piece Reducer.....	1,270.50	503.14
23 31 16 16-0165	EA		48" Fiber Reinforced Plastic One Piece Reducer.....	1,423.56	553.14
23 31 16 16-0166	EA		54" Fiber Reinforced Plastic One Piece Reducer.....	1,695.20	670.30
23 31 16 16-0167	EA		60" Fiber Reinforced Plastic One Piece Reducer.....	2,044.29	837.87
23 31 16 16-0168	EA		66" Fiber Reinforced Plastic One Piece Reducer.....	2,326.37	1,003.21
23 31 16 16-0169	EA		72" Fiber Reinforced Plastic One Piece Reducer.....	2,620.26	1,140.21

**23 31 16 16-0170 Fiber Reinforced Plastic Two Piece Reducer (23 31 16 16-0001)**

23 31 16 16-0171	EA		2" Fiber Reinforced Plastic Two Piece Reducer.....	203.58	72.48
23 31 16 16-0172	EA		3" Fiber Reinforced Plastic Two Piece Reducer.....	227.08	86.58
23 31 16 16-0173	EA		4" Fiber Reinforced Plastic Two Piece Reducer.....	263.62	100.54
23 31 16 16-0174	EA		6" Fiber Reinforced Plastic Two Piece Reducer.....	343.40	134.06
23 31 16 16-0175	EA		8" Fiber Reinforced Plastic Two Piece Reducer.....	423.25	167.57
23 31 16 16-0176	EA		10" Fiber Reinforced Plastic Two Piece Reducer.....	504.45	201.92
23 31 16 16-0177	EA		12" Fiber Reinforced Plastic Two Piece Reducer.....	608.80	250.11
23 31 16 16-0178	EA		14" Fiber Reinforced Plastic Two Piece Reducer.....	659.31	264.77
23 31 16 16-0179	EA		16" Fiber Reinforced Plastic Two Piece Reducer.....	718.97	287.39
23 31 16 16-0180	EA		18" Fiber Reinforced Plastic Two Piece Reducer.....	802.23	308.62
23 31 16 16-0181	EA		20" Fiber Reinforced Plastic Two Piece Reducer.....	981.74	335.15
23 31 16 16-0182	EA		24" Fiber Reinforced Plastic Two Piece Reducer.....	1,171.40	369.08
23 31 16 16-0183	EA		30" Fiber Reinforced Plastic Two Piece Reducer.....	1,260.30	402.88
23 31 16 16-0184	EA		36" Fiber Reinforced Plastic Two Piece Reducer.....	1,431.02	452.87
23 31 16 16-0185	EA		42" Fiber Reinforced Plastic Two Piece Reducer.....	1,558.42	503.14
23 31 16 16-0186	EA		48" Fiber Reinforced Plastic Two Piece Reducer.....	1,707.12	553.14
23 31 16 16-0187	EA		54" Fiber Reinforced Plastic Two Piece Reducer.....	1,924.23	670.30
23 31 16 16-0188	EA		60" Fiber Reinforced Plastic Two Piece Reducer.....	2,260.23	837.87
23 31 16 16-0189	EA		66" Fiber Reinforced Plastic Two Piece Reducer.....	2,566.31	1,003.21
23 31 16 16-0190	EA		72" Fiber Reinforced Plastic Two Piece Reducer.....	2,838.38	1,140.21

**23 31 16 16-0191 Fiber Reinforced Plastic Butterfly Dampers (23 31 16 16-0001)**

23 31 16 16-0192	EA		2" Fiber Reinforced Plastic Damper.....	477.37	72.34
23 31 16 16-0193	EA		3" Fiber Reinforced Plastic Damper.....	538.40	86.44
23 31 16 16-0194	EA		4" Fiber Reinforced Plastic Damper.....	599.40	100.54
23 31 16 16-0195	EA		6" Fiber Reinforced Plastic Damper.....	711.60	134.06
23 31 16 16-0196	EA		8" Fiber Reinforced Plastic Damper.....	842.56	167.57
23 31 16 16-0197	EA		10" Fiber Reinforced Plastic Damper.....	954.77	201.09
23 31 16 16-0198	EA		12" Fiber Reinforced Plastic Damper.....	1,092.68	250.11
23 31 16 16-0199	EA		14" Fiber Reinforced Plastic Damper.....	1,211.11	264.77
23 31 16 16-0200	EA		16" Fiber Reinforced Plastic Damper.....	1,342.98	287.53
23 31 16 16-0201	EA		18" Fiber Reinforced Plastic Damper.....	1,471.50	308.33
23 31 16 16-0202	EA		20" Fiber Reinforced Plastic Damper.....	1,572.56	335.15
23 31 16 16-0203	EA		24" Fiber Reinforced Plastic Damper.....	1,778.63	368.66
23 31 16 16-0204	EA		30" Fiber Reinforced Plastic Damper.....	2,059.75	402.18
23 31 16 16-0205	EA		36" Fiber Reinforced Plastic Damper.....	2,368.90	452.45
23 31 16 16-0206	EA		42" Fiber Reinforced Plastic Damper.....	2,715.59	502.87
23 31 16 16-0207	EA		48" Fiber Reinforced Plastic Damper.....	3,024.76	553.14
23 31 16 16-0208	EA		54" Fiber Reinforced Plastic Damper.....	3,558.02	670.30
23 31 16 16-0209	EA		60" Fiber Reinforced Plastic Damper.....	4,175.28	837.87
23 31 16 16-0210	EA		66" Fiber Reinforced Plastic Damper.....	4,754.43	1,005.17
23 31 16 16-0211	EA		72" Fiber Reinforced Plastic Damper.....	5,465.79	1,139.09

**23 31 16 23 Fabric Ducts (23 31 16)**

**23 31 16 23-0001 Heavy Duty Fabric Ducts (Zip-A-Duct™) (23 31 16 23)**

**23 31 16 23-0002 Heavy Duty Fabric Duct Without Vents (23 31 16 23-0001)**

Note: Includes fabric loops for cable hooks. Requires Suspension Hardware as well as an Inlet Section and Endcap per complete run. See CSI section 23 31 16 23-0064 for suspension hardware.

23 31 16 23-0003	EA		12" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents.....	201.94	9.53
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Note: Excludes suspension cable and hardware.

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 31 HVAC Ducts and Casings**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
23 31 16 23-0004	EA	12" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	315.47	12.71
23 31 16 23-0005	EA	16" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	244.29	15.89
23 31 16 23-0006	EA	16" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	363.32	20.88
23 31 16 23-0007	EA	20" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	296.80	21.79
23 31 16 23-0008	EA	20" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	425.02	29.05
23 31 16 23-0009	EA	24" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	346.07	28.14
23 31 16 23-0010	EA	24" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	486.71	37.21
23 31 16 23-0011	EA	28" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	386.15	32.23
23 31 16 23-0012	EA	28" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	578.49	43.11
23 31 16 23-0013	EA	32" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	424.87	35.85
23 31 16 23-0014	EA	32" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	645.35	47.65
23 31 16 23-0015	EA	36" Diameter x 5' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	463.09	40.84
23 31 16 23-0016	EA	36" Diameter x 10' Long Gray Heavy Duty Fabric Duct Without Vents ..... Note: Excludes suspension cable and hardware.	744.48	54.46
<b>23 31 16 23-0017</b>		<b>Heavy Duty Fabric Duct With Vents</b> <small>(23 31 16 23-0001)</small>		
23 31 16 23-0018	EA	12" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents ..... Note: Excludes suspension cable and hardware.	546.37	12.71
23 31 16 23-0019	EA	16" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents ..... Note: Excludes suspension cable and hardware.	608.08	20.88
23 31 16 23-0020	EA	20" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents ..... Note: Excludes suspension cable and hardware.	681.32	29.05
23 31 16 23-0021	EA	24" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents ..... Note: Excludes suspension cable and hardware.	756.87	37.21
23 31 16 23-0022	EA	28" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents ..... Note: Excludes suspension cable and hardware.	910.99	43.11
23 31 16 23-0023	EA	32" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents ..... Note: Excludes suspension cable and hardware.	977.84	47.65
23 31 16 23-0024	EA	36" Diameter x 10' Long Gray Heavy Duty Fabric Duct With Vents ..... Note: Excludes suspension cable and hardware.	1,104.69	54.46
<b>23 31 16 23-0025</b>		<b>Heavy Duty Fabric Duct 90 Degree Elbow</b> <small>(23 31 16 23-0001)</small>		
23 31 16 23-0026	EA	12" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow ..... Note: Excludes suspension cable and hardware.	408.28	13.62
23 31 16 23-0027	EA	16" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow ..... Note: Excludes suspension cable and hardware.	458.43	21.79
23 31 16 23-0028	EA	20" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow ..... Note: Excludes suspension cable and hardware.	618.64	23.60
23 31 16 23-0029	EA	24" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow ..... Note: Excludes suspension cable and hardware.	756.53	31.77
23 31 16 23-0030	EA	28" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow ..... Note: Excludes suspension cable and hardware.	954.57	35.41
23 31 16 23-0031	EA	32" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow ..... Note: Excludes suspension cable and hardware.	1,188.16	38.57
23 31 16 23-0032	EA	36" Diameter Gray Heavy Duty Fabric Duct 90 Degree Elbow ..... Note: Excludes suspension cable and hardware.	1,349.81	43.11
<b>23 31 16 23-0033</b>		<b>Heavy Duty Fabric Duct 45 Degree Elbow</b> <small>(23 31 16 23-0001)</small>		
23 31 16 23-0034	EA	12" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow ..... Note: Excludes suspension cable and hardware.	313.61	13.62
23 31 16 23-0035	EA	16" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow ..... Note: Excludes suspension cable and hardware.	370.69	21.79
23 31 16 23-0036	EA	20" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow ..... Note: Excludes suspension cable and hardware.	415.45	23.60
23 31 16 23-0037	EA	24" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow ..... Note: Excludes suspension cable and hardware.	486.38	31.77
23 31 16 23-0038	EA	28" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow ..... Note: Excludes suspension cable and hardware.	562.04	35.41
23 31 16 23-0039	EA	32" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow ..... Note: Excludes suspension cable and hardware.	673.25	38.57
23 31 16 23-0040	EA	36" Diameter Gray Heavy Duty Fabric Duct 45 Degree Elbow ..... Note: Excludes suspension cable and hardware.	767.83	43.11
<b>23 31 16 23-0041</b>		<b>Heavy Duty Fabric Duct Tee</b> <small>(23 31 16 23-0001)</small>		
23 31 16 23-0042	EA	16" x 12" x 12" Gray Heavy Duty Fabric Duct Tee ..... Note: Excludes suspension cable and hardware.	996.66	31.77
23 31 16 23-0043	EA	20" x 16" x 16" Gray Heavy Duty Fabric Duct Tee ..... Note: Excludes suspension cable and hardware.	1,049.72	34.04
23 31 16 23-0044	EA	24" x 16" x 16" Gray Heavy Duty Fabric Duct Tee ..... Note: Excludes suspension cable and hardware.	1,140.90	45.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 31 16 23-0045	EA		28" x 20" x 20" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,201.27	51.28
23 31 16 23-0046	EA		32" x 24" x 24" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,247.35	55.82
23 31 16 23-0047	EA		36" x 28" x 28" Gray Heavy Duty Fabric Duct Tee..... Note: Excludes suspension cable and hardware.	1,309.55	62.63
<b>23 31 16 23-0048</b>			<b>Heavy Duty Fabric Duct Inlets (23 31 16 23-0001)</b>		
23 31 16 23-0049	EA		12" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	163.52	13.62
23 31 16 23-0050	EA		16" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	195.21	21.79
23 31 16 23-0051	EA		20" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	209.94	23.60
23 31 16 23-0052	EA		24" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	243.93	31.77
23 31 16 23-0053	EA		28" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	261.87	35.41
23 31 16 23-0054	EA		32" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	280.72	38.57
23 31 16 23-0055	EA		36" Diameter Gray Heavy Duty Fabric Duct Transition Inlet..... Note: Excludes suspension cable and hardware.	308.34	43.11
<b>23 31 16 23-0056</b>			<b>Heavy Duty Fabric Duct Cap (23 31 16 23-0001)</b>		
23 31 16 23-0057	EA		12" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	96.21	8.17
23 31 16 23-0058	EA		16" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	122.89	13.16
23 31 16 23-0059	EA		20" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	144.12	14.07
23 31 16 23-0060	EA		24" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	200.80	19.06
23 31 16 23-0061	EA		28" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	240.01	21.33
23 31 16 23-0062	EA		32" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	298.63	23.15
23 31 16 23-0063	EA		36" Diameter Gray Heavy Duty Fabric Duct End Cap..... Note: Excludes suspension cable and hardware.	336.89	25.87
<b>23 31 16 23-0064</b>			<b>Heavy Duty Fabric Duct Suspension Hardware (23 31 16 23-0001)</b>		
23 31 16 23-0065	EA		12 To 20 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	38.99	6.88
23 31 16 23-0066	EA		20 To 36 Inch Diameter Ducts Fixing Strap With Galvanized Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	60.66	10.32
23 31 16 23-0067	EA		Galvanized Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	14.74	3.44
23 31 16 23-0068	LF		Galvanized Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	0.85	0.14
23 31 16 23-0069	EA		Galvanized Stretcher For Straight Fabric Duct Runs.....	33.88	6.88
23 31 16 23-0070	EA		12 To 20 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	69.65	6.88
23 31 16 23-0071	EA		20 To 36 Inch Diameter Ducts Fixing Strap With Stainless Steel Hardware..... Note: Vertical support straps are recommended every six (6) to ten (10) feet along the length of the duct.	95.52	10.32
23 31 16 23-0072	EA		Stainless Steel Cable Locks For Horizontal Cables..... Note: Requires two (2) cable locks per support point or per stretcher.	19.06	3.44
23 31 16 23-0073	LF		Stainless Steel Plastic Coated Cable For Fabric Duct..... Note: Excludes anchor bolts or anchors.	2.60	0.14
23 31 16 23-0074	EA		Stainless Steel Stretcher For Straight Fabric Duct Runs.....	45.06	6.88
<b>23 33</b>			<b>Air Duct Accessories (23 30)</b>		
<b>23 33 13</b>			<b>Dampers (23 33)</b>		
<b>23 33 13 13</b>			<b>Volume-Control Dampers (23 33 13)</b>		
<b>23 33 13 13-0001</b>			<b>Radial Opposed Blade Damper Steel Construction (Ruskin CDR) (23 33 13 13)</b>		
23 33 13 13-0002	EA		6" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	135.17 120.35	10.98
23 33 13 13-0003	EA		7" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	143.32 122.08	12.35
23 33 13 13-0004	EA		8" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	152.36 123.38	13.72
23 33 13 13-0005	EA		10" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	164.17 131.09	16.47
23 33 13 13-0006	EA		12" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	177.35 138.80	17.84
23 33 13 13-0007	EA		14" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	213.62 177.36	19.21
23 33 13 13-0008	EA		15" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	233.48 192.79	20.59
23 33 13 13-0009	EA		16" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	245.69 200.46	23.33
23 33 13 13-0010	EA		18" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated..... <i>For Stainless Steel, Add</i>	270.82 223.63	24.70

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0011	EA		20" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	320.94	27.45
			<i>For Stainless Steel, Add</i> .....	277.60	
23 33 13 13-0012	EA		24" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	355.44	27.45
			<i>For Stainless Steel, Add</i> .....	316.11	
23 33 13 13-0013	EA		30" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	408.20	31.57
			<i>For Stainless Steel, Add</i> .....	370.10	
23 33 13 13-0014	EA		36" Diameter Radial Opposed Blade Damper Round, Steel Construction, Manual Operated .....	440.23	32.94
			<i>For Stainless Steel, Add</i> .....	403.29	
<b>23 33 13 13-0015 Rectangular Opposed Blade Damper (Ruskin CD) (23 33 13 13)</b>					
23 33 13 13-0016	EA		6" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	141.81	15.26
			<i>For Stainless Steel, Add</i> .....	124.81	
			<i>For Parallel Blade Damper, Add</i> .....	38.40	
23 33 13 13-0017	EA		8" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	150.69	15.96
			<i>For Stainless Steel, Add</i> .....	133.68	
			<i>For Parallel Blade Damper, Add</i> .....	41.13	
23 33 13 13-0018	EA		8" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	157.83	16.09
			<i>For Stainless Steel, Add</i> .....	142.60	
			<i>For Parallel Blade Damper, Add</i> .....	43.88	
23 33 13 13-0019	EA		10" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	157.83	16.09
			<i>For Stainless Steel, Add</i> .....	142.60	
			<i>For Parallel Blade Damper, Add</i> .....	43.88	
23 33 13 13-0020	EA		10" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	166.06	16.50
			<i>For Stainless Steel, Add</i> .....	151.52	
			<i>For Parallel Blade Damper, Add</i> .....	46.62	
23 33 13 13-0021	EA		10" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	185.26	18.29
			<i>For Stainless Steel, Add</i> .....	169.31	
			<i>For Parallel Blade Damper, Add</i> .....	52.10	
23 33 13 13-0022	EA		12" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	166.06	16.50
			<i>For Stainless Steel, Add</i> .....	151.52	
			<i>For Parallel Blade Damper, Add</i> .....	46.62	
23 33 13 13-0023	EA		12" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	182.50	17.47
			<i>For Stainless Steel, Add</i> .....	169.31	
			<i>For Parallel Blade Damper, Add</i> .....	52.10	
23 33 13 13-0024	EA		12" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	192.17	18.29
			<i>For Stainless Steel, Add</i> .....	178.30	
			<i>For Parallel Blade Damper, Add</i> .....	54.86	
23 33 13 13-0025	EA		12" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	212.44	20.63
			<i>For Stainless Steel, Add</i> .....	195.73	
			<i>For Parallel Blade Damper, Add</i> .....	60.22	
23 33 13 13-0026	EA		14" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	179.11	17.47
			<i>For Stainless Steel, Add</i> .....	164.91	
			<i>For Parallel Blade Damper, Add</i> .....	50.74	
23 33 13 13-0027	EA		14" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	192.17	18.29
			<i>For Stainless Steel, Add</i> .....	178.30	
			<i>For Parallel Blade Damper, Add</i> .....	54.86	
23 33 13 13-0028	EA		14" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	201.77	19.26
			<i>For Stainless Steel, Add</i> .....	187.21	
			<i>For Parallel Blade Damper, Add</i> .....	57.60	
23 33 13 13-0029	EA		14" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	212.76	20.63
			<i>For Stainless Steel, Add</i> .....	196.14	
			<i>For Parallel Blade Damper, Add</i> .....	60.35	
23 33 13 13-0030	EA		14" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	236.75	22.97
			<i>For Stainless Steel, Add</i> .....	218.39	
			<i>For Parallel Blade Damper, Add</i> .....	67.20	
23 33 13 13-0031	EA		16" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	192.17	18.29
			<i>For Stainless Steel, Add</i> .....	178.30	
			<i>For Parallel Blade Damper, Add</i> .....	54.86	
23 33 13 13-0032	EA		16" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	203.15	19.67
			<i>For Stainless Steel, Add</i> .....	187.21	
			<i>For Parallel Blade Damper, Add</i> .....	57.60	
23 33 13 13-0033	EA		16" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	215.52	21.60
			<i>For Stainless Steel, Add</i> .....	196.14	
			<i>For Parallel Blade Damper, Add</i> .....	60.35	
23 33 13 13-0034	EA		16" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	226.45	22.97
			<i>For Stainless Steel, Add</i> .....	205.00	
			<i>For Parallel Blade Damper, Add</i> .....	63.08	
23 33 13 13-0035	EA		16" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	250.54	25.17
			<i>For Stainless Steel, Add</i> .....	227.37	
			<i>For Parallel Blade Damper, Add</i> .....	69.96	
23 33 13 13-0036	EA		16" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	274.54	27.51
			<i>For Stainless Steel, Add</i> .....	249.63	
			<i>For Parallel Blade Damper, Add</i> .....	76.81	
23 33 13 13-0037	EA		18" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	201.77	19.26
			<i>For Stainless Steel, Add</i> .....	187.21	
			<i>For Parallel Blade Damper, Add</i> .....	57.60	
23 33 13 13-0038	EA		18" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	216.14	20.63
			<i>For Stainless Steel, Add</i> .....	200.54	
			<i>For Parallel Blade Damper, Add</i> .....	61.70	
23 33 13 13-0039	EA		18" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	233.37	22.97
			<i>For Stainless Steel, Add</i> .....	213.99	
			<i>For Parallel Blade Damper, Add</i> .....	65.84	
23 33 13 13-0040	EA		18" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	257.41	25.17
			<i>For Stainless Steel, Add</i> .....	236.30	
			<i>For Parallel Blade Damper, Add</i> .....	72.71	
23 33 13 13-0041	EA		18" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	277.97	27.51
			<i>For Stainless Steel, Add</i> .....	254.09	
			<i>For Parallel Blade Damper, Add</i> .....	78.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0042	EA		18" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	292.29	29.71
			<i>For Stainless Steel, Add</i>	263.77	
			<i>For Parallel Blade Damper, Add</i>	81.16	
23 33 13 13-0043	EA		18" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	309.00	32.05
			<i>For Stainless Steel, Add</i>	276.55	
			<i>For Parallel Blade Damper, Add</i>	85.09	
23 33 13 13-0044	EA		20" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	199.04	20.63
			<i>For Stainless Steel, Add</i>	178.31	
			<i>For Parallel Blade Damper, Add</i>	54.86	
23 33 13 13-0045	EA		20" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	218.36	22.97
			<i>For Stainless Steel, Add</i>	194.48	
			<i>For Parallel Blade Damper, Add</i>	59.84	
23 33 13 13-0046	EA		20" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	237.72	25.17
			<i>For Stainless Steel, Add</i>	210.70	
			<i>For Parallel Blade Damper, Add</i>	64.83	
23 33 13 13-0047	EA		20" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.56	27.51
			<i>For Stainless Steel, Add</i>	243.15	
			<i>For Parallel Blade Damper, Add</i>	74.82	
23 33 13 13-0048	EA		20" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	285.79	29.71
			<i>For Stainless Steel, Add</i>	255.32	
			<i>For Parallel Blade Damper, Add</i>	78.56	
23 33 13 13-0049	EA		20" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	302.03	32.05
			<i>For Stainless Steel, Add</i>	267.49	
			<i>For Parallel Blade Damper, Add</i>	82.30	
23 33 13 13-0050	EA		20" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	321.35	34.39
			<i>For Stainless Steel, Add</i>	283.66	
			<i>For Parallel Blade Damper, Add</i>	87.28	
23 33 13 13-0051	EA		20" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	340.67	36.59
			<i>For Stainless Steel, Add</i>	299.83	
			<i>For Parallel Blade Damper, Add</i>	92.26	
23 33 13 13-0052	EA		24" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	224.60	22.97
			<i>For Stainless Steel, Add</i>	202.59	
			<i>For Parallel Blade Damper, Add</i>	62.34	
23 33 13 13-0053	EA		24" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.20	25.17
			<i>For Stainless Steel, Add</i>	226.93	
			<i>For Parallel Blade Damper, Add</i>	69.82	
23 33 13 13-0054	EA		24" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.56	27.51
			<i>For Stainless Steel, Add</i>	243.15	
			<i>For Parallel Blade Damper, Add</i>	74.82	
23 33 13 13-0055	EA		24" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	295.15	29.71
			<i>For Stainless Steel, Add</i>	267.49	
			<i>For Parallel Blade Damper, Add</i>	82.30	
23 33 13 13-0056	EA		24" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	311.35	32.05
			<i>For Stainless Steel, Add</i>	279.60	
			<i>For Parallel Blade Damper, Add</i>	86.03	
23 33 13 13-0057	EA		24" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	327.59	34.39
			<i>For Stainless Steel, Add</i>	291.77	
			<i>For Parallel Blade Damper, Add</i>	89.78	
23 33 13 13-0058	EA		24" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	353.15	36.59
			<i>For Stainless Steel, Add</i>	316.06	
			<i>For Parallel Blade Damper, Add</i>	97.25	
23 33 13 13-0059	EA		24" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	385.58	41.26
			<i>For Stainless Steel, Add</i>	340.34	
			<i>For Parallel Blade Damper, Add</i>	104.72	
23 33 13 13-0060	EA		24" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.33	45.80
			<i>For Stainless Steel, Add</i>	372.84	
			<i>For Parallel Blade Damper, Add</i>	114.72	
23 33 13 13-0061	EA		28" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	250.20	25.17
			<i>For Stainless Steel, Add</i>	226.93	
			<i>For Parallel Blade Damper, Add</i>	69.82	
23 33 13 13-0062	EA		28" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	269.56	27.51
			<i>For Stainless Steel, Add</i>	243.15	
			<i>For Parallel Blade Damper, Add</i>	74.82	
23 33 13 13-0063	EA		28" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	295.15	29.71
			<i>For Stainless Steel, Add</i>	267.49	
			<i>For Parallel Blade Damper, Add</i>	82.30	
23 33 13 13-0064	EA		28" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.47	32.05
			<i>For Stainless Steel, Add</i>	283.66	
			<i>For Parallel Blade Damper, Add</i>	87.28	
23 33 13 13-0065	EA		28" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	336.91	34.39
			<i>For Stainless Steel, Add</i>	303.89	
			<i>For Parallel Blade Damper, Add</i>	93.50	
23 33 13 13-0066	EA		28" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	359.35	36.59
			<i>For Stainless Steel, Add</i>	324.12	
			<i>For Parallel Blade Damper, Add</i>	99.73	
23 33 13 13-0067	EA		28" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	391.82	41.26
			<i>For Stainless Steel, Add</i>	348.45	
			<i>For Parallel Blade Damper, Add</i>	107.22	
23 33 13 13-0068	EA		28" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	424.33	45.80
			<i>For Stainless Steel, Add</i>	372.84	
			<i>For Parallel Blade Damper, Add</i>	114.72	
23 33 13 13-0069	EA		28" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	468.57	48.14
			<i>For Stainless Steel, Add</i>	421.41	
			<i>For Parallel Blade Damper, Add</i>	129.66	
23 33 13 13-0070	EA		28" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.49	52.68
			<i>For Stainless Steel, Add</i>	461.92	
			<i>For Parallel Blade Damper, Add</i>	142.13	
23 33 13 13-0071	EA		32" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	288.28	27.51
			<i>For Stainless Steel, Add</i>	267.49	
			<i>For Parallel Blade Damper, Add</i>	82.30	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0072	EA	32" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	301.35	29.71
			<i>For Stainless Steel, Add</i>	275.55	
			<i>For Parallel Blade Damper, Add</i>	84.78	
23 33 13	13-0073	EA	32" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	314.47	32.05
			<i>For Stainless Steel, Add</i>	283.66	
			<i>For Parallel Blade Damper, Add</i>	87.28	
23 33 13	13-0074	EA	32" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.79	34.39
			<i>For Stainless Steel, Add</i>	299.83	
			<i>For Parallel Blade Damper, Add</i>	92.26	
23 33 13	13-0075	EA	32" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	360.56	36.59
			<i>For Stainless Steel, Add</i>	325.69	
			<i>For Parallel Blade Damper, Add</i>	100.21	
23 33 13	13-0076	EA	32" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	391.82	41.26
			<i>For Stainless Steel, Add</i>	348.45	
			<i>For Parallel Blade Damper, Add</i>	107.22	
23 33 13	13-0077	EA	32" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	430.57	45.80
			<i>For Stainless Steel, Add</i>	380.95	
			<i>For Parallel Blade Damper, Add</i>	117.22	
23 33 13	13-0078	EA	32" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	469.25	50.33
			<i>For Stainless Steel, Add</i>	413.35	
			<i>For Parallel Blade Damper, Add</i>	127.18	
23 33 13	13-0079	EA	32" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	513.49	52.68
			<i>For Stainless Steel, Add</i>	461.92	
			<i>For Parallel Blade Damper, Add</i>	142.13	
23 33 13	13-0080	EA	32" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	568.16	56.39
			<i>For Stainless Steel, Add</i>	518.70	
			<i>For Parallel Blade Damper, Add</i>	159.60	
23 33 13	13-0081	EA	32" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	627.67	59.55
			<i>For Stainless Steel, Add</i>	583.54	
			<i>For Parallel Blade Damper, Add</i>	179.55	
23 33 13	13-0082	EA	36" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	313.83	29.71
			<i>For Stainless Steel, Add</i>	291.77	
			<i>For Parallel Blade Damper, Add</i>	89.78	
23 33 13	13-0083	EA	36" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	333.15	32.05
			<i>For Stainless Steel, Add</i>	307.94	
			<i>For Parallel Blade Damper, Add</i>	94.75	
23 33 13	13-0084	EA	36" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	352.47	34.39
			<i>For Stainless Steel, Add</i>	324.12	
			<i>For Parallel Blade Damper, Add</i>	99.73	
23 33 13	13-0085	EA	36" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	378.07	36.59
			<i>For Stainless Steel, Add</i>	348.45	
			<i>For Parallel Blade Damper, Add</i>	107.22	
23 33 13	13-0086	EA	36" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	401.22	41.26
			<i>For Stainless Steel, Add</i>	360.67	
			<i>For Parallel Blade Damper, Add</i>	110.98	
23 33 13	13-0087	EA	36" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	417.46	43.46
			<i>For Stainless Steel, Add</i>	372.84	
			<i>For Parallel Blade Damper, Add</i>	114.72	
23 33 13	13-0088	EA	36" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	469.25	50.33
			<i>For Stainless Steel, Add</i>	413.35	
			<i>For Parallel Blade Damper, Add</i>	127.18	
23 33 13	13-0089	EA	36" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.12	55.02
			<i>For Stainless Steel, Add</i>	453.80	
			<i>For Parallel Blade Damper, Add</i>	139.63	
23 33 13	13-0090	EA	36" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	557.06	56.80
			<i>For Stainless Steel, Add</i>	502.48	
			<i>For Parallel Blade Damper, Add</i>	154.61	
23 33 13	13-0091	EA	36" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	619.28	60.93
			<i>For Stainless Steel, Add</i>	567.27	
			<i>For Parallel Blade Damper, Add</i>	174.54	
23 33 13	13-0092	EA	36" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	672.54	64.09
			<i>For Stainless Steel, Add</i>	624.00	
			<i>For Parallel Blade Damper, Add</i>	192.00	
23 33 13	13-0093	EA	36" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	729.30	66.42
			<i>For Stainless Steel, Add</i>	688.84	
			<i>For Parallel Blade Damper, Add</i>	211.95	
23 33 13	13-0094	EA	40" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	326.91	34.39
			<i>For Stainless Steel, Add</i>	299.83	
			<i>For Parallel Blade Damper, Add</i>	92.26	
23 33 13	13-0095	EA	40" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	358.71	36.59
			<i>For Stainless Steel, Add</i>	332.23	
			<i>For Parallel Blade Damper, Add</i>	102.22	
23 33 13	13-0096	EA	40" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.83	38.93
			<i>For Stainless Steel, Add</i>	340.34	
			<i>For Parallel Blade Damper, Add</i>	104.72	
23 33 13	13-0097	EA	40" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	384.94	41.26
			<i>For Stainless Steel, Add</i>	348.45	
			<i>For Parallel Blade Damper, Add</i>	107.22	
23 33 13	13-0098	EA	40" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	420.54	43.46
			<i>For Stainless Steel, Add</i>	376.84	
			<i>For Parallel Blade Damper, Add</i>	115.95	
23 33 13	13-0099	EA	40" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.25	45.80
			<i>For Stainless Steel, Add</i>	405.24	
			<i>For Parallel Blade Damper, Add</i>	124.69	
23 33 13	13-0100	EA	40" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	494.81	52.68
			<i>For Stainless Steel, Add</i>	437.63	
			<i>For Parallel Blade Damper, Add</i>	134.66	
23 33 13	13-0101	EA	40" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	533.52	57.21
			<i>For Stainless Steel, Add</i>	470.08	
			<i>For Parallel Blade Damper, Add</i>	144.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0102	EA		40" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	581.92	60.93
			For Stainless Steel, Add	518.70	
			For Parallel Blade Damper, Add	159.60	
23 33 13 13-0103	EA		40" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	660.10	64.09
			For Stainless Steel, Add	607.83	
			For Parallel Blade Damper, Add	187.02	
23 33 13 13-0104	EA		40" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	708.47	67.81
			For Stainless Steel, Add	656.40	
			For Parallel Blade Damper, Add	201.97	
23 33 13 13-0105	EA		40" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	782.57	69.59
			For Stainless Steel, Add	745.58	
			For Parallel Blade Damper, Add	229.41	
23 33 13 13-0106	EA		40" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	855.93	73.30
			For Stainless Steel, Add	826.64	
			For Parallel Blade Damper, Add	254.35	
23 33 13 13-0107	EA		44" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	346.27	34.39
			For Stainless Steel, Add	316.06	
			For Parallel Blade Damper, Add	97.25	
23 33 13 13-0108	EA		44" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	378.07	36.59
			For Stainless Steel, Add	348.45	
			For Parallel Blade Damper, Add	107.22	
23 33 13 13-0109	EA		44" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.70	38.93
			For Stainless Steel, Add	372.84	
			For Parallel Blade Damper, Add	114.72	
23 33 13 13-0110	EA		44" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.82	41.26
			For Stainless Steel, Add	380.95	
			For Parallel Blade Damper, Add	117.22	
23 33 13 13-0111	EA		44" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	448.62	43.46
			For Stainless Steel, Add	413.35	
			For Parallel Blade Damper, Add	127.18	
23 33 13 13-0112	EA		44" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	480.41	45.80
			For Stainless Steel, Add	445.74	
			For Parallel Blade Damper, Add	137.15	
23 33 13 13-0113	EA		44" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	539.12	55.02
			For Stainless Steel, Add	486.30	
			For Parallel Blade Damper, Add	149.63	
23 33 13 13-0114	EA		44" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	583.99	59.55
			For Stainless Steel, Add	526.76	
			For Parallel Blade Damper, Add	162.08	
23 33 13 13-0115	EA		44" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	660.10	64.09
			For Stainless Steel, Add	607.83	
			For Parallel Blade Damper, Add	187.02	
23 33 13 13-0116	EA		44" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	729.98	68.76
			For Stainless Steel, Add	680.78	
			For Parallel Blade Damper, Add	209.47	
23 33 13 13-0117	EA		44" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	806.01	73.30
			For Stainless Steel, Add	761.75	
			For Parallel Blade Damper, Add	234.38	
23 33 13 13-0118	EA		44" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	869.01	75.50
			For Stainless Steel, Add	834.70	
			For Parallel Blade Damper, Add	256.83	
23 33 13 13-0119	EA		44" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	932.01	77.84
			For Stainless Steel, Add	907.66	
			For Parallel Blade Damper, Add	279.28	
23 33 13 13-0120	EA		44" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	995.00	80.18
			For Stainless Steel, Add	980.62	
			For Parallel Blade Damper, Add	301.73	
23 33 13 13-0121	EA		48" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	371.83	36.59
			For Stainless Steel, Add	340.34	
			For Parallel Blade Damper, Add	104.72	
23 33 13 13-0122	EA		48" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	403.70	38.93
			For Stainless Steel, Add	372.84	
			For Parallel Blade Damper, Add	114.72	
23 33 13 13-0123	EA		48" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.82	41.26
			For Stainless Steel, Add	380.95	
			For Parallel Blade Damper, Add	117.22	
23 33 13 13-0124	EA		48" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	449.25	45.80
			For Stainless Steel, Add	405.24	
			For Parallel Blade Damper, Add	124.69	
23 33 13 13-0125	EA		48" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.93	50.33
			For Stainless Steel, Add	437.63	
			For Parallel Blade Damper, Add	134.66	
23 33 13 13-0126	EA		48" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	526.64	55.02
			For Stainless Steel, Add	470.08	
			For Parallel Blade Damper, Add	144.64	
23 33 13 13-0127	EA		48" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	577.79	59.55
			For Stainless Steel, Add	518.70	
			For Parallel Blade Damper, Add	159.60	
23 33 13 13-0128	EA		48" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	628.90	64.09
			For Stainless Steel, Add	567.27	
			For Parallel Blade Damper, Add	174.54	
23 33 13 13-0129	EA		48" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	698.78	68.76
			For Stainless Steel, Add	640.22	
			For Parallel Blade Damper, Add	196.99	
23 33 13 13-0130	EA		48" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	781.09	73.30
			For Stainless Steel, Add	729.35	
			For Parallel Blade Damper, Add	224.42	
23 33 13 13-0131	EA		48" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	844.14	75.50
			For Stainless Steel, Add	802.37	
			For Parallel Blade Damper, Add	246.88	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	13-0132	EA	48" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	925.77	77.84
			<i>For Stainless Steel, Add</i>	899.55	
			<i>For Parallel Blade Damper, Add</i>	276.78	
23 33 13	13-0133	EA	48" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	995.64	82.38
			<i>For Stainless Steel, Add</i>	972.50	
			<i>For Parallel Blade Damper, Add</i>	299.23	
23 33 13	13-0134	EA	48" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,077.32	84.72
			<i>For Stainless Steel, Add</i>	1,069.74	
			<i>For Parallel Blade Damper, Add</i>	329.15	
23 33 13	13-0135	EA	48" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,147.83	91.60
			<i>For Stainless Steel, Add</i>	1,134.59	
			<i>For Parallel Blade Damper, Add</i>	349.10	
23 33 13	13-0136	EA	52" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	397.46	38.93
			<i>For Stainless Steel, Add</i>	364.73	
			<i>For Parallel Blade Damper, Add</i>	112.22	
23 33 13	13-0137	EA	52" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	429.26	41.26
			<i>For Stainless Steel, Add</i>	397.12	
			<i>For Parallel Blade Damper, Add</i>	122.19	
23 33 13	13-0138	EA	52" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	467.93	45.80
			<i>For Stainless Steel, Add</i>	429.52	
			<i>For Parallel Blade Damper, Add</i>	132.16	
23 33 13	13-0139	EA	52" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	487.93	50.33
			<i>For Stainless Steel, Add</i>	437.63	
			<i>For Parallel Blade Damper, Add</i>	134.66	
23 33 13	13-0140	EA	52" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	529.76	55.02
			<i>For Stainless Steel, Add</i>	474.14	
			<i>For Parallel Blade Damper, Add</i>	145.89	
23 33 13	13-0141	EA	52" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	571.55	59.55
			<i>For Stainless Steel, Add</i>	510.59	
			<i>For Parallel Blade Damper, Add</i>	157.10	
23 33 13	13-0142	EA	52" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	622.70	64.09
			<i>For Stainless Steel, Add</i>	559.21	
			<i>For Parallel Blade Damper, Add</i>	172.06	
23 33 13	13-0143	EA	52" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	673.86	68.76
			<i>For Stainless Steel, Add</i>	607.83	
			<i>For Parallel Blade Damper, Add</i>	187.02	
23 33 13	13-0144	EA	52" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	743.73	73.30
			<i>For Stainless Steel, Add</i>	680.78	
			<i>For Parallel Blade Damper, Add</i>	209.47	
23 33 13	13-0145	EA	52" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	832.25	77.84
			<i>For Stainless Steel, Add</i>	777.97	
			<i>For Parallel Blade Damper, Add</i>	239.38	
23 33 13	13-0146	EA	52" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	901.44	80.18
			<i>For Stainless Steel, Add</i>	858.99	
			<i>For Parallel Blade Damper, Add</i>	264.30	
23 33 13	13-0147	EA	52" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	989.40	82.38
			<i>For Stainless Steel, Add</i>	964.39	
			<i>For Parallel Blade Damper, Add</i>	296.74	
23 33 13	13-0148	EA	52" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,077.91	87.06
			<i>For Stainless Steel, Add</i>	1,061.58	
			<i>For Parallel Blade Damper, Add</i>	326.64	
23 33 13	13-0149	EA	52" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,147.83	91.60
			<i>For Stainless Steel, Add</i>	1,134.59	
			<i>For Parallel Blade Damper, Add</i>	349.10	
23 33 13	13-0150	EA	52" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,243.25	98.47
			<i>For Stainless Steel, Add</i>	1,231.83	
			<i>For Parallel Blade Damper, Add</i>	379.02	
23 33 13	13-0151	EA	52" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	1,319.37	103.01
			<i>For Stainless Steel, Add</i>	1,312.91	
			<i>For Parallel Blade Damper, Add</i>	403.97	
23 33 13	13-0152	EA	56" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	416.82	41.26
			<i>For Stainless Steel, Add</i>	380.95	
			<i>For Parallel Blade Damper, Add</i>	117.22	
23 33 13	13-0153	EA	56" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	461.69	45.80
			<i>For Stainless Steel, Add</i>	421.41	
			<i>For Parallel Blade Damper, Add</i>	129.66	
23 33 13	13-0154	EA	56" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	494.17	50.33
			<i>For Stainless Steel, Add</i>	445.74	
			<i>For Parallel Blade Damper, Add</i>	137.15	
23 33 13	13-0155	EA	56" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	514.12	55.02
			<i>For Stainless Steel, Add</i>	453.80	
			<i>For Parallel Blade Damper, Add</i>	139.63	
23 33 13	13-0156	EA	56" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	562.19	59.55
			<i>For Stainless Steel, Add</i>	498.42	
			<i>For Parallel Blade Damper, Add</i>	153.36	
23 33 13	13-0157	EA	56" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	610.22	64.09
			<i>For Stainless Steel, Add</i>	542.98	
			<i>For Parallel Blade Damper, Add</i>	167.07	
23 33 13	13-0158	EA	56" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	658.26	68.76
			<i>For Stainless Steel, Add</i>	587.55	
			<i>For Parallel Blade Damper, Add</i>	180.78	
23 33 13	13-0159	EA	56" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	706.29	73.30
			<i>For Stainless Steel, Add</i>	632.11	
			<i>For Parallel Blade Damper, Add</i>	194.50	
23 33 13	13-0160	EA	56" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	794.85	77.84
			<i>For Stainless Steel, Add</i>	729.35	
			<i>For Parallel Blade Damper, Add</i>	224.42	
23 33 13	13-0161	EA	56" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation	876.56	80.18
			<i>For Stainless Steel, Add</i>	826.64	
			<i>For Parallel Blade Damper, Add</i>	254.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 13-0162	EA		56" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	952.00	82.38
			For Stainless Steel, Add	915.77	
			For Parallel Blade Damper, Add	281.78	
23 33 13 13-0163	EA		56" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,053.03	87.06
			For Stainless Steel, Add	1,029.24	
			For Parallel Blade Damper, Add	316.69	
23 33 13 13-0164	EA		56" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,141.59	91.60
			For Stainless Steel, Add	1,126.48	
			For Parallel Blade Damper, Add	346.61	
23 33 13 13-0165	EA		56" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,236.38	96.13
			For Stainless Steel, Add	1,231.83	
			For Parallel Blade Damper, Add	379.02	
23 33 13 13-0166	EA		56" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,312.50	100.81
			For Stainless Steel, Add	1,312.91	
			For Parallel Blade Damper, Add	403.97	
23 33 13 13-0167	EA		56" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,407.29	105.35
			For Stainless Steel, Add	1,418.26	
			For Parallel Blade Damper, Add	436.39	
23 33 13 13-0168	EA		56" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,502.09	109.89
			For Stainless Steel, Add	1,523.61	
			For Parallel Blade Damper, Add	468.80	
23 33 13 13-0169	EA		60" x 6" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	449.25	45.80
			For Stainless Steel, Add	405.24	
			For Parallel Blade Damper, Add	124.69	
23 33 13 13-0170	EA		60" x 8" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	494.17	50.33
			For Stainless Steel, Add	445.74	
			For Parallel Blade Damper, Add	137.15	
23 33 13 13-0171	EA		60" x 10" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	520.36	55.02
			For Stainless Steel, Add	461.92	
			For Parallel Blade Damper, Add	142.13	
23 33 13 13-0172	EA		60" x 12" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	540.39	59.55
			For Stainless Steel, Add	470.08	
			For Parallel Blade Damper, Add	144.64	
23 33 13 13-0173	EA		60" x 14" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	591.54	64.09
			For Stainless Steel, Add	518.70	
			For Parallel Blade Damper, Add	159.60	
23 33 13 13-0174	EA		60" x 16" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	642.66	68.76
			For Stainless Steel, Add	567.27	
			For Parallel Blade Damper, Add	174.54	
23 33 13 13-0175	EA		60" x 18" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	696.93	73.30
			For Stainless Steel, Add	619.94	
			For Parallel Blade Damper, Add	190.75	
23 33 13 13-0176	EA		60" x 20" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	751.21	77.84
			For Stainless Steel, Add	672.62	
			For Parallel Blade Damper, Add	206.96	
23 33 13 13-0177	EA		60" x 24" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	839.12	80.18
			For Stainless Steel, Add	777.97	
			For Parallel Blade Damper, Add	239.38	
23 33 13 13-0178	EA		60" x 28" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	920.80	82.38
			For Stainless Steel, Add	875.21	
			For Parallel Blade Damper, Add	269.30	
23 33 13 13-0179	EA		60" x 32" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,015.63	87.06
			For Stainless Steel, Add	980.62	
			For Parallel Blade Damper, Add	301.73	
23 33 13 13-0180	EA		60" x 36" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,110.43	91.60
			For Stainless Steel, Add	1,085.97	
			For Parallel Blade Damper, Add	334.14	
23 33 13 13-0181	EA		60" x 40" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,186.50	96.13
			For Stainless Steel, Add	1,166.98	
			For Parallel Blade Damper, Add	359.07	
23 33 13 13-0182	EA		60" x 44" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,299.97	100.81
			For Stainless Steel, Add	1,296.62	
			For Parallel Blade Damper, Add	398.96	
23 33 13 13-0183	EA		60" x 48" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,401.00	105.35
			For Stainless Steel, Add	1,410.08	
			For Parallel Blade Damper, Add	433.87	
23 33 13 13-0184	EA		60" x 52" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,502.09	109.89
			For Stainless Steel, Add	1,523.61	
			For Parallel Blade Damper, Add	468.80	
23 33 13 13-0185	EA		60" x 56" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,590.55	114.56
			For Stainless Steel, Add	1,620.74	
			For Parallel Blade Damper, Add	498.69	
23 33 13 13-0186	EA		60" x 60" Rectangular Opposed Blade Damper, Steel Construction, Manual Operation .....	1,679.20	119.10
			For Stainless Steel, Add	1,718.09	
			For Parallel Blade Damper, Add	528.64	

**23 33 13 16 Fire Dampers (23 33 13)**

**23 33 13 16-0001 Fire Dampers (23 33 13 16)**

23 33 13 16-0002	SF		Curtain Type, Vertical, Fire Damper .....	145.91	14.86
			For Smoke Damper, Add	86.03	
			For Spring Activated Horizontal Mount Operation, Add	22.77	
			For Dynamic Damper, Add	54.65	
			For 3 Hour Rated, Add	30.36	
23 33 13 16-0003	SF		Louver Type, Vertical, Fire Damper .....	201.12	14.86
			For Smoke Damper, Add	132.96	
			For Spring Activated Horizontal Mount Operation, Add	35.19	
			For Dynamic Damper, Add	84.47	
			For 3 Hour Rated, Add	46.93	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 33 13 16-0004		<b>Folding Curtain Fire Dampers</b> <small>(23 33 13 16)</small>			
		Note: UL Listed. Air stream 22 gauge galvanized steel construction with fusible link 160 F, gravity actuated for vertical mount 1-1/2 hour fire rating. Damper blades and damper frame are in the air stream.			
23 33 13 16-0005	EA	6" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	75.65		15.26
		For Spring Activated Horizontal Mount Operation, Add	6.72		
		For Dynamic Damper, Add	16.12		
		For 3 Hour Rated, Add	8.96		
		For Cap Of Damper Blades Outside Air Stream, Add	7.46		
23 33 13 16-0006	EA	8" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	79.82		15.96
		For Spring Activated Horizontal Mount Operation, Add	7.19		
		For Dynamic Damper, Add	17.26		
		For 3 Hour Rated, Add	9.59		
		For Cap Of Damper Blades Outside Air Stream, Add	7.99		
23 33 13 16-0007	EA	8" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.24		16.09
		For Spring Activated Horizontal Mount Operation, Add	7.67		
		For Dynamic Damper, Add	18.41		
		For 3 Hour Rated, Add	10.23		
		For Cap Of Damper Blades Outside Air Stream, Add	8.53		
23 33 13 16-0008	EA	10" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	82.24		16.09
		For Spring Activated Horizontal Mount Operation, Add	7.67		
		For Dynamic Damper, Add	18.41		
		For 3 Hour Rated, Add	10.23		
		For Cap Of Damper Blades Outside Air Stream, Add	8.53		
23 33 13 16-0009	EA	10" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.74		16.50
		For Spring Activated Horizontal Mount Operation, Add	8.15		
		For Dynamic Damper, Add	19.56		
		For 3 Hour Rated, Add	10.87		
		For Cap Of Damper Blades Outside Air Stream, Add	9.06		
23 33 13 16-0010	EA	10" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	95.51		18.29
		For Spring Activated Horizontal Mount Operation, Add	9.11		
		For Dynamic Damper, Add	21.86		
		For 3 Hour Rated, Add	12.15		
		For Cap Of Damper Blades Outside Air Stream, Add	10.12		
23 33 13 16-0011	EA	12" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	85.74		16.50
		For Spring Activated Horizontal Mount Operation, Add	8.15		
		For Dynamic Damper, Add	19.56		
		For 3 Hour Rated, Add	10.87		
		For Cap Of Damper Blades Outside Air Stream, Add	9.06		
23 33 13 16-0012	EA	12" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	92.75		17.47
		For Spring Activated Horizontal Mount Operation, Add	9.11		
		For Dynamic Damper, Add	21.86		
		For 3 Hour Rated, Add	12.15		
		For Cap Of Damper Blades Outside Air Stream, Add	10.12		
23 33 13 16-0013	EA	12" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.64		18.29
		For Spring Activated Horizontal Mount Operation, Add	9.59		
		For Dynamic Damper, Add	23.01		
		For 3 Hour Rated, Add	12.79		
		For Cap Of Damper Blades Outside Air Stream, Add	10.66		
23 33 13 16-0014	EA	12" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	106.64		20.63
		For Spring Activated Horizontal Mount Operation, Add	10.07		
		For Dynamic Damper, Add	24.17		
		For 3 Hour Rated, Add	13.43		
		For Cap Of Damper Blades Outside Air Stream, Add	11.19		
23 33 13 16-0015	EA	14" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	91.69		17.47
		For Spring Activated Horizontal Mount Operation, Add	8.87		
		For Dynamic Damper, Add	21.29		
		For 3 Hour Rated, Add	11.83		
		For Cap Of Damper Blades Outside Air Stream, Add	9.86		
23 33 13 16-0016	EA	14" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.64		18.29
		For Spring Activated Horizontal Mount Operation, Add	9.59		
		For Dynamic Damper, Add	23.01		
		For 3 Hour Rated, Add	12.79		
		For Cap Of Damper Blades Outside Air Stream, Add	10.66		
23 33 13 16-0017	EA	14" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.52		19.26
		For Spring Activated Horizontal Mount Operation, Add	10.07		
		For Dynamic Damper, Add	24.17		
		For 3 Hour Rated, Add	13.43		
		For Cap Of Damper Blades Outside Air Stream, Add	11.19		
23 33 13 16-0018	EA	14" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.78		20.63
		For Spring Activated Horizontal Mount Operation, Add	10.55		
		For Dynamic Damper, Add	25.33		
		For 3 Hour Rated, Add	14.07		
		For Cap Of Damper Blades Outside Air Stream, Add	11.73		
23 33 13 16-0019	EA	14" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	120.99		22.97
		For Spring Activated Horizontal Mount Operation, Add	11.75		
		For Dynamic Damper, Add	28.20		
		For 3 Hour Rated, Add	15.67		
		For Cap Of Damper Blades Outside Air Stream, Add	13.06		
23 33 13 16-0020	EA	16" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	97.64		18.29
		For Spring Activated Horizontal Mount Operation, Add	9.59		
		For Dynamic Damper, Add	23.01		
		For 3 Hour Rated, Add	12.79		
		For Cap Of Damper Blades Outside Air Stream, Add	10.66		
23 33 13 16-0021	EA	16" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	103.90		19.67
		For Spring Activated Horizontal Mount Operation, Add	10.07		
		For Dynamic Damper, Add	24.17		
		For 3 Hour Rated, Add	13.43		
		For Cap Of Damper Blades Outside Air Stream, Add	11.19		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0022	EA		16" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	111.54	21.60
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.55	
			<i>For Dynamic Damper, Add</i>	25.33	
			<i>For 3 Hour Rated, Add</i>	14.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.73	
23 33 13 16-0023	EA		16" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	117.77	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.03	
			<i>For Dynamic Damper, Add</i>	26.47	
			<i>For 3 Hour Rated, Add</i>	14.70	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.25	
23 33 13 16-0024	EA		16" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.00	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.23	
			<i>For Dynamic Damper, Add</i>	29.35	
			<i>For 3 Hour Rated, Add</i>	16.31	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.59	
23 33 13 16-0025	EA		16" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	142.21	27.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	32.23	
			<i>For 3 Hour Rated, Add</i>	17.91	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.92	
23 33 13 16-0026	EA		18" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	102.52	19.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.07	
			<i>For Dynamic Damper, Add</i>	24.17	
			<i>For 3 Hour Rated, Add</i>	13.43	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.19	
23 33 13 16-0027	EA		18" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	109.83	20.63
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.79	
			<i>For Dynamic Damper, Add</i>	25.89	
			<i>For 3 Hour Rated, Add</i>	14.39	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.99	
23 33 13 16-0028	EA		18" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.93	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.51	
			<i>For Dynamic Damper, Add</i>	27.63	
			<i>For 3 Hour Rated, Add</i>	15.35	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.79	
23 33 13 16-0029	EA		18" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.14	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.71	
			<i>For Dynamic Damper, Add</i>	30.51	
			<i>For 3 Hour Rated, Add</i>	16.95	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.13	
23 33 13 16-0030	EA		18" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	143.27	27.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.67	
			<i>For Dynamic Damper, Add</i>	32.81	
			<i>For 3 Hour Rated, Add</i>	18.23	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.19	
23 33 13 16-0031	EA		18" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	155.47	29.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.87	
			<i>For Dynamic Damper, Add</i>	35.68	
			<i>For 3 Hour Rated, Add</i>	19.82	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.52	
23 33 13 16-0032	EA		18" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	165.55	32.05
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.59	
			<i>For Dynamic Damper, Add</i>	37.41	
			<i>For 3 Hour Rated, Add</i>	20.78	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.32	
23 33 13 16-0033	EA		20" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	108.78	20.63
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	10.55	
			<i>For Dynamic Damper, Add</i>	25.33	
			<i>For 3 Hour Rated, Add</i>	14.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	11.73	
23 33 13 16-0034	EA		20" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.91	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.51	
			<i>For Dynamic Damper, Add</i>	27.62	
			<i>For 3 Hour Rated, Add</i>	15.35	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	12.79	
23 33 13 16-0035	EA		20" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	131.06	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	12.47	
			<i>For Dynamic Damper, Add</i>	29.93	
			<i>For 3 Hour Rated, Add</i>	16.63	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.86	
23 33 13 16-0036	EA		20" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.48	27.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.39	
			<i>For Dynamic Damper, Add</i>	34.54	
			<i>For 3 Hour Rated, Add</i>	19.19	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.99	
23 33 13 16-0037	EA		20" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	156.55	29.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.11	
			<i>For Dynamic Damper, Add</i>	36.27	
			<i>For 3 Hour Rated, Add</i>	20.15	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	16.79	
23 33 13 16-0038	EA		20" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.62	32.05
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.83	
			<i>For Dynamic Damper, Add</i>	37.99	
			<i>For 3 Hour Rated, Add</i>	21.11	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.59	
23 33 13 16-0039	EA		20" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.76	34.39
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.79	
			<i>For Dynamic Damper, Add</i>	40.29	
			<i>For 3 Hour Rated, Add</i>	22.38	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.65	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0040	EA		20" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.89	36.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.74	
			<i>For Dynamic Damper, Add</i>	42.58	
			<i>For 3 Hour Rated, Add</i>	23.66	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.72	
23 33 13 16-0041	EA		24" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	122.04	22.97
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	11.99	
			<i>For Dynamic Damper, Add</i>	28.77	
			<i>For 3 Hour Rated, Add</i>	15.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	13.32	
23 33 13 16-0042	EA		24" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.33	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	32.23	
			<i>For 3 Hour Rated, Add</i>	17.91	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.92	
23 33 13 16-0043	EA		24" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.48	27.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.39	
			<i>For Dynamic Damper, Add</i>	34.54	
			<i>For 3 Hour Rated, Add</i>	19.19	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.99	
23 33 13 16-0044	EA		24" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.74	29.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.83	
			<i>For Dynamic Damper, Add</i>	37.99	
			<i>For 3 Hour Rated, Add</i>	21.11	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.59	
23 33 13 16-0045	EA		24" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	169.82	32.05
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.55	
			<i>For Dynamic Damper, Add</i>	39.72	
			<i>For 3 Hour Rated, Add</i>	22.07	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.39	
23 33 13 16-0046	EA		24" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	179.89	34.39
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.27	
			<i>For Dynamic Damper, Add</i>	41.44	
			<i>For 3 Hour Rated, Add</i>	23.02	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.19	
23 33 13 16-0047	EA		24" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	193.16	36.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.70	
			<i>For Dynamic Damper, Add</i>	44.89	
			<i>For 3 Hour Rated, Add</i>	24.94	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.78	
23 33 13 16-0048	EA		24" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	213.30	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.14	
			<i>For Dynamic Damper, Add</i>	48.34	
			<i>For 3 Hour Rated, Add</i>	26.86	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.38	
23 33 13 16-0049	EA		24" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.59	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06	
			<i>For Dynamic Damper, Add</i>	52.95	
			<i>For 3 Hour Rated, Add</i>	29.42	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52	
23 33 13 16-0050	EA		28" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	135.33	25.17
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.43	
			<i>For Dynamic Damper, Add</i>	32.23	
			<i>For 3 Hour Rated, Add</i>	17.91	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	14.92	
23 33 13 16-0051	EA		28" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	146.48	27.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.39	
			<i>For Dynamic Damper, Add</i>	34.54	
			<i>For 3 Hour Rated, Add</i>	19.19	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	15.99	
23 33 13 16-0052	EA		28" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	159.74	29.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.83	
			<i>For Dynamic Damper, Add</i>	37.99	
			<i>For 3 Hour Rated, Add</i>	21.11	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.59	
23 33 13 16-0053	EA		28" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.88	32.05
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.79	
			<i>For Dynamic Damper, Add</i>	40.29	
			<i>For 3 Hour Rated, Add</i>	22.38	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.65	
23 33 13 16-0054	EA		28" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	183.09	34.39
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.99	
			<i>For Dynamic Damper, Add</i>	43.17	
			<i>For 3 Hour Rated, Add</i>	23.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.99	
23 33 13 16-0055	EA		28" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.28	36.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.18	
			<i>For Dynamic Damper, Add</i>	46.04	
			<i>For 3 Hour Rated, Add</i>	25.58	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.31	
23 33 13 16-0056	EA		28" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.43	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62	
			<i>For Dynamic Damper, Add</i>	49.49	
			<i>For 3 Hour Rated, Add</i>	27.50	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91	
23 33 13 16-0057	EA		28" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	235.59	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06	
			<i>For Dynamic Damper, Add</i>	52.95	
			<i>For 3 Hour Rated, Add</i>	29.42	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0058	EA		28" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	255.25	48.14
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.94	
			<i>For Dynamic Damper, Add</i>	59.85	
			<i>For 3 Hour Rated, Add</i>	33.25	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.71	
23 33 13 16-0059	EA		28" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	279.67	52.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.34	
			<i>For Dynamic Damper, Add</i>	65.61	
			<i>For 3 Hour Rated, Add</i>	36.45	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.38	
23 33 13 16-0060	EA		32" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	152.87	27.51
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.83	
			<i>For Dynamic Damper, Add</i>	37.99	
			<i>For 3 Hour Rated, Add</i>	21.11	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	17.59	
23 33 13 16-0061	EA		32" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	161.86	29.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.31	
			<i>For Dynamic Damper, Add</i>	39.13	
			<i>For 3 Hour Rated, Add</i>	21.74	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.12	
23 33 13 16-0062	EA		32" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	170.88	32.05
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.79	
			<i>For Dynamic Damper, Add</i>	40.29	
			<i>For 3 Hour Rated, Add</i>	22.38	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.65	
23 33 13 16-0063	EA		32" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	182.01	34.39
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.74	
			<i>For Dynamic Damper, Add</i>	42.58	
			<i>For 3 Hour Rated, Add</i>	23.66	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.72	
23 33 13 16-0064	EA		32" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	195.69	36.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.27	
			<i>For Dynamic Damper, Add</i>	46.26	
			<i>For 3 Hour Rated, Add</i>	25.70	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.42	
23 33 13 16-0065	EA		32" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	215.43	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62	
			<i>For Dynamic Damper, Add</i>	49.49	
			<i>For 3 Hour Rated, Add</i>	27.50	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91	
23 33 13 16-0066	EA		32" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	237.73	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.55	
			<i>For Dynamic Damper, Add</i>	54.11	
			<i>For 3 Hour Rated, Add</i>	30.06	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.05	
23 33 13 16-0067	EA		32" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.01	50.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.46	
			<i>For Dynamic Damper, Add</i>	58.71	
			<i>For 3 Hour Rated, Add</i>	32.62	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.18	
23 33 13 16-0068	EA		32" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	279.67	52.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.34	
			<i>For Dynamic Damper, Add</i>	65.61	
			<i>For 3 Hour Rated, Add</i>	36.45	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.38	
23 33 13 16-0069	EA		32" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	305.59	56.39
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
			<i>For Dynamic Damper, Add</i>	73.67	
			<i>For 3 Hour Rated, Add</i>	40.93	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0070	EA		32" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.27	59.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	34.53	
			<i>For Dynamic Damper, Add</i>	82.88	
			<i>For 3 Hour Rated, Add</i>	46.04	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	38.37	
23 33 13 16-0071	EA		36" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	166.13	29.71
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.27	
			<i>For Dynamic Damper, Add</i>	41.44	
			<i>For 3 Hour Rated, Add</i>	23.02	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.19	
23 33 13 16-0072	EA		36" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	177.26	32.05
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	18.22	
			<i>For Dynamic Damper, Add</i>	43.73	
			<i>For 3 Hour Rated, Add</i>	24.30	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	20.25	
23 33 13 16-0073	EA		36" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	188.40	34.39
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.18	
			<i>For Dynamic Damper, Add</i>	46.04	
			<i>For 3 Hour Rated, Add</i>	25.58	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.31	
23 33 13 16-0074	EA		36" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.68	36.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62	
			<i>For Dynamic Damper, Add</i>	49.49	
			<i>For 3 Hour Rated, Add</i>	27.50	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91	
23 33 13 16-0075	EA		36" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	218.65	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.35	
			<i>For Dynamic Damper, Add</i>	51.23	
			<i>For 3 Hour Rated, Add</i>	28.46	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	23.72	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0076	EA		36" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.72	43.46
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.06	
			<i>For Dynamic Damper, Add</i>	52.95	
			<i>For 3 Hour Rated, Add</i>	29.42	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.52	
23 33 13 16-0077	EA		36" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	260.01	50.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.46	
			<i>For Dynamic Damper, Add</i>	58.71	
			<i>For 3 Hour Rated, Add</i>	32.62	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.18	
23 33 13 16-0078	EA		36" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.40	55.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.86	
			<i>For Dynamic Damper, Add</i>	64.45	
			<i>For 3 Hour Rated, Add</i>	35.81	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.84	
23 33 13 16-0079	EA		36" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	246.06	56.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.99	
			<i>For Dynamic Damper, Add</i>	40.78	
			<i>For 3 Hour Rated, Add</i>	22.66	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	18.88	
23 33 13 16-0080	EA		36" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	332.13	60.93
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.57	
			<i>For Dynamic Damper, Add</i>	80.57	
			<i>For 3 Hour Rated, Add</i>	44.76	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.30	
23 33 13 16-0081	EA		36" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	356.66	64.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.93	
			<i>For Dynamic Damper, Add</i>	88.62	
			<i>For 3 Hour Rated, Add</i>	49.24	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	41.03	
23 33 13 16-0082	EA		36" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	380.59	66.42
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.76	
			<i>For Dynamic Damper, Add</i>	97.83	
			<i>For 3 Hour Rated, Add</i>	54.35	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	45.29	
23 33 13 16-0083	EA		40" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	175.13	34.39
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.74	
			<i>For Dynamic Damper, Add</i>	42.58	
			<i>For 3 Hour Rated, Add</i>	23.66	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	19.72	
23 33 13 16-0084	EA		40" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	190.53	36.59
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	19.66	
			<i>For Dynamic Damper, Add</i>	47.19	
			<i>For 3 Hour Rated, Add</i>	26.21	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	21.85	
23 33 13 16-0085	EA		40" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.55	38.93
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.14	
			<i>For Dynamic Damper, Add</i>	48.34	
			<i>For 3 Hour Rated, Add</i>	26.86	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.38	
23 33 13 16-0086	EA		40" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	208.55	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	20.62	
			<i>For Dynamic Damper, Add</i>	49.49	
			<i>For 3 Hour Rated, Add</i>	27.50	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	22.91	
23 33 13 16-0087	EA		40" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	229.78	43.46
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.30	
			<i>For Dynamic Damper, Add</i>	53.52	
			<i>For 3 Hour Rated, Add</i>	29.74	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	24.78	
23 33 13 16-0088	EA		40" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	244.12	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.98	
			<i>For Dynamic Damper, Add</i>	57.56	
			<i>For 3 Hour Rated, Add</i>	31.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.65	
23 33 13 16-0089	EA		40" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	273.28	52.68
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.90	
			<i>For Dynamic Damper, Add</i>	62.16	
			<i>For 3 Hour Rated, Add</i>	34.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.78	
23 33 13 16-0090	EA		40" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	295.56	57.21
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.82	
			<i>For Dynamic Damper, Add</i>	66.77	
			<i>For 3 Hour Rated, Add</i>	37.09	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.91	
23 33 13 16-0091	EA		40" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	319.35	60.93
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
			<i>For Dynamic Damper, Add</i>	73.67	
			<i>For 3 Hour Rated, Add</i>	40.93	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0092	EA		40" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.41	64.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.97	
			<i>For Dynamic Damper, Add</i>	86.33	
			<i>For 3 Hour Rated, Add</i>	47.96	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.97	
23 33 13 16-0093	EA		40" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	376.20	67.81
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	38.85	
			<i>For Dynamic Damper, Add</i>	93.23	
			<i>For 3 Hour Rated, Add</i>	51.80	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	43.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0094	EA		40" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	405.16	69.59
			For Spring Activated Horizontal Mount Operation, Add	44.12	
			For Dynamic Damper, Add	105.90	
			For 3 Hour Rated, Add	58.83	
			For Cap Of Damper Blades Outside Air Stream, Add	49.03	
23 33 13 16-0095	EA		40" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.48	73.30
			For Spring Activated Horizontal Mount Operation, Add	48.92	
			For Dynamic Damper, Add	117.41	
			For 3 Hour Rated, Add	65.23	
			For Cap Of Damper Blades Outside Air Stream, Add	54.36	
23 33 13 16-0096	EA		44" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	186.28	34.39
			For Spring Activated Horizontal Mount Operation, Add	18.70	
			For Dynamic Damper, Add	44.89	
			For 3 Hour Rated, Add	24.94	
			For Cap Of Damper Blades Outside Air Stream, Add	20.78	
23 33 13 16-0097	EA		44" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	201.68	36.59
			For Spring Activated Horizontal Mount Operation, Add	20.62	
			For Dynamic Damper, Add	49.49	
			For 3 Hour Rated, Add	27.50	
			For Cap Of Damper Blades Outside Air Stream, Add	22.91	
23 33 13 16-0098	EA		44" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.96	38.93
			For Spring Activated Horizontal Mount Operation, Add	22.06	
			For Dynamic Damper, Add	52.95	
			For 3 Hour Rated, Add	29.42	
			For Cap Of Damper Blades Outside Air Stream, Add	24.52	
23 33 13 16-0099	EA		44" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.98	41.26
			For Spring Activated Horizontal Mount Operation, Add	22.55	
			For Dynamic Damper, Add	54.11	
			For 3 Hour Rated, Add	30.06	
			For Cap Of Damper Blades Outside Air Stream, Add	25.05	
23 33 13 16-0100	EA		44" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	239.38	43.46
			For Spring Activated Horizontal Mount Operation, Add	24.46	
			For Dynamic Damper, Add	58.71	
			For 3 Hour Rated, Add	32.62	
			For Cap Of Damper Blades Outside Air Stream, Add	27.18	
23 33 13 16-0101	EA		44" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	254.78	45.80
			For Spring Activated Horizontal Mount Operation, Add	26.38	
			For Dynamic Damper, Add	63.32	
			For 3 Hour Rated, Add	35.18	
			For Cap Of Damper Blades Outside Air Stream, Add	29.31	
23 33 13 16-0102	EA		44" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	292.95	55.02
			For Spring Activated Horizontal Mount Operation, Add	28.78	
			For Dynamic Damper, Add	69.07	
			For 3 Hour Rated, Add	38.37	
			For Cap Of Damper Blades Outside Air Stream, Add	31.98	
23 33 13 16-0103	EA		44" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	317.34	59.55
			For Spring Activated Horizontal Mount Operation, Add	31.17	
			For Dynamic Damper, Add	74.82	
			For 3 Hour Rated, Add	41.57	
			For Cap Of Damper Blades Outside Air Stream, Add	34.64	
23 33 13 16-0104	EA		44" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	352.41	64.09
			For Spring Activated Horizontal Mount Operation, Add	35.97	
			For Dynamic Damper, Add	86.33	
			For 3 Hour Rated, Add	47.96	
			For Cap Of Damper Blades Outside Air Stream, Add	39.97	
23 33 13 16-0105	EA		44" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	385.36	68.76
			For Spring Activated Horizontal Mount Operation, Add	40.29	
			For Dynamic Damper, Add	96.69	
			For 3 Hour Rated, Add	53.72	
			For Cap Of Damper Blades Outside Air Stream, Add	44.77	
23 33 13 16-0106	EA		44" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	420.41	73.30
			For Spring Activated Horizontal Mount Operation, Add	45.08	
			For Dynamic Damper, Add	108.19	
			For 3 Hour Rated, Add	60.11	
			For Cap Of Damper Blades Outside Air Stream, Add	50.09	
23 33 13 16-0107	EA		44" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	446.47	75.50
			For Spring Activated Horizontal Mount Operation, Add	49.40	
			For Dynamic Damper, Add	118.55	
			For 3 Hour Rated, Add	65.86	
			For Cap Of Damper Blades Outside Air Stream, Add	54.89	
23 33 13 16-0108	EA		44" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	472.54	77.84
			For Spring Activated Horizontal Mount Operation, Add	53.71	
			For Dynamic Damper, Add	128.91	
			For 3 Hour Rated, Add	71.62	
			For Cap Of Damper Blades Outside Air Stream, Add	59.68	
23 33 13 16-0109	EA		44" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	498.61	80.18
			For Spring Activated Horizontal Mount Operation, Add	58.03	
			For Dynamic Damper, Add	139.28	
			For 3 Hour Rated, Add	77.38	
			For Cap Of Damper Blades Outside Air Stream, Add	64.48	
23 33 13 16-0110	EA		48" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	199.55	36.59
			For Spring Activated Horizontal Mount Operation, Add	20.14	
			For Dynamic Damper, Add	48.34	
			For 3 Hour Rated, Add	26.86	
			For Cap Of Damper Blades Outside Air Stream, Add	22.38	
23 33 13 16-0111	EA		48" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	214.96	38.93
			For Spring Activated Horizontal Mount Operation, Add	22.06	
			For Dynamic Damper, Add	52.95	
			For 3 Hour Rated, Add	29.42	
			For Cap Of Damper Blades Outside Air Stream, Add	24.52	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0112	EA		48" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.98	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.55	
			<i>For Dynamic Damper, Add</i>	54.11	
			<i>For 3 Hour Rated, Add</i>	30.06	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.05	
23 33 13 16-0113	EA		48" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	244.12	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.98	
			<i>For Dynamic Damper, Add</i>	57.56	
			<i>For 3 Hour Rated, Add</i>	31.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.65	
23 33 13 16-0114	EA		48" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.40	50.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.90	
			<i>For Dynamic Damper, Add</i>	62.16	
			<i>For 3 Hour Rated, Add</i>	34.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.78	
23 33 13 16-0115	EA		48" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	288.68	55.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.82	
			<i>For Dynamic Damper, Add</i>	66.77	
			<i>For 3 Hour Rated, Add</i>	37.09	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.91	
23 33 13 16-0116	EA		48" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	315.22	59.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
			<i>For Dynamic Damper, Add</i>	73.67	
			<i>For 3 Hour Rated, Add</i>	40.93	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0117	EA		48" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	341.75	64.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.57	
			<i>For Dynamic Damper, Add</i>	80.57	
			<i>For 3 Hour Rated, Add</i>	44.76	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.30	
23 33 13 16-0118	EA		48" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	374.70	68.76
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.89	
			<i>For Dynamic Damper, Add</i>	90.94	
			<i>For 3 Hour Rated, Add</i>	50.52	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	42.10	
23 33 13 16-0119	EA		48" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	411.88	73.30
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	43.16	
			<i>For Dynamic Damper, Add</i>	103.59	
			<i>For 3 Hour Rated, Add</i>	57.55	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	47.96	
23 33 13 16-0120	EA		48" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	437.97	75.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	47.48	
			<i>For Dynamic Damper, Add</i>	113.96	
			<i>For 3 Hour Rated, Add</i>	63.31	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	52.76	
23 33 13 16-0121	EA		48" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	470.40	77.84
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	53.23	
			<i>For Dynamic Damper, Add</i>	127.76	
			<i>For 3 Hour Rated, Add</i>	70.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	59.15	
23 33 13 16-0122	EA		48" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	503.36	82.38
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.56	
			<i>For Dynamic Damper, Add</i>	138.13	
			<i>For 3 Hour Rated, Add</i>	76.74	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	63.95	
23 33 13 16-0123	EA		48" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	535.81	84.72
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	63.31	
			<i>For Dynamic Damper, Add</i>	151.94	
			<i>For 3 Hour Rated, Add</i>	84.41	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	70.34	
23 33 13 16-0124	EA		48" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	573.49	91.60
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	67.14	
			<i>For Dynamic Damper, Add</i>	161.15	
			<i>For 3 Hour Rated, Add</i>	89.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	74.61	
23 33 13 16-0125	EA		52" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	212.83	38.93
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	21.58	
			<i>For Dynamic Damper, Add</i>	51.80	
			<i>For 3 Hour Rated, Add</i>	28.78	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	23.98	
23 33 13 16-0126	EA		52" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	228.23	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.50	
			<i>For Dynamic Damper, Add</i>	56.40	
			<i>For 3 Hour Rated, Add</i>	31.34	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.11	
23 33 13 16-0127	EA		52" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	250.51	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.42	
			<i>For Dynamic Damper, Add</i>	61.01	
			<i>For 3 Hour Rated, Add</i>	33.89	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.25	
23 33 13 16-0128	EA		52" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	266.40	50.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	25.90	
			<i>For Dynamic Damper, Add</i>	62.16	
			<i>For 3 Hour Rated, Add</i>	34.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	28.78	
23 33 13 16-0129	EA		52" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	289.75	55.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	28.06	
			<i>For Dynamic Damper, Add</i>	67.34	
			<i>For 3 Hour Rated, Add</i>	37.41	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	31.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0130	EA		52" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	313.09	59.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.22	
			<i>For Dynamic Damper, Add</i>	72.52	
			<i>For 3 Hour Rated, Add</i>	40.29	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	33.58	
23 33 13 16-0131	EA		52" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	339.63	64.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.10	
			<i>For Dynamic Damper, Add</i>	79.43	
			<i>For 3 Hour Rated, Add</i>	44.13	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	36.77	
23 33 13 16-0132	EA		52" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	366.17	68.76
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	35.97	
			<i>For Dynamic Damper, Add</i>	86.33	
			<i>For 3 Hour Rated, Add</i>	47.96	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	39.97	
23 33 13 16-0133	EA		52" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	399.11	73.30
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	40.29	
			<i>For Dynamic Damper, Add</i>	96.69	
			<i>For 3 Hour Rated, Add</i>	53.72	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.77	
23 33 13 16-0134	EA		52" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	438.44	77.84
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	46.04	
			<i>For Dynamic Damper, Add</i>	110.50	
			<i>For 3 Hour Rated, Add</i>	61.39	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	51.16	
23 33 13 16-0135	EA		52" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	466.61	80.18
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	50.83	
			<i>For Dynamic Damper, Add</i>	122.00	
			<i>For 3 Hour Rated, Add</i>	67.78	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	56.48	
23 33 13 16-0136	EA		52" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	501.22	82.38
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	57.07	
			<i>For Dynamic Damper, Add</i>	136.98	
			<i>For 3 Hour Rated, Add</i>	76.10	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	63.42	
23 33 13 16-0137	EA		52" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	540.53	87.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	62.82	
			<i>For Dynamic Damper, Add</i>	150.78	
			<i>For 3 Hour Rated, Add</i>	83.77	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	69.81	
23 33 13 16-0138	EA		52" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	573.49	91.60
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	67.14	
			<i>For Dynamic Damper, Add</i>	161.15	
			<i>For 3 Hour Rated, Add</i>	89.53	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	74.61	
23 33 13 16-0139	EA		52" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	619.69	98.47
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	72.90	
			<i>For Dynamic Damper, Add</i>	174.96	
			<i>For 3 Hour Rated, Add</i>	97.20	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	81.00	
23 33 13 16-0140	EA		52" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	654.76	103.01
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	77.70	
			<i>For Dynamic Damper, Add</i>	186.47	
			<i>For 3 Hour Rated, Add</i>	103.60	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	86.33	
23 33 13 16-0141	EA		56" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	223.98	41.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	22.55	
			<i>For Dynamic Damper, Add</i>	54.11	
			<i>For 3 Hour Rated, Add</i>	30.06	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	25.05	
23 33 13 16-0142	EA		56" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	248.37	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	24.94	
			<i>For Dynamic Damper, Add</i>	59.85	
			<i>For 3 Hour Rated, Add</i>	33.25	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	27.71	
23 33 13 16-0143	EA		56" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.54	50.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.38	
			<i>For Dynamic Damper, Add</i>	63.32	
			<i>For 3 Hour Rated, Add</i>	35.18	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.31	
23 33 13 16-0144	EA		56" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	284.40	55.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.86	
			<i>For Dynamic Damper, Add</i>	64.45	
			<i>For 3 Hour Rated, Add</i>	35.81	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.84	
23 33 13 16-0145	EA		56" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	309.89	59.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	29.50	
			<i>For Dynamic Damper, Add</i>	70.79	
			<i>For 3 Hour Rated, Add</i>	39.33	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	32.78	
23 33 13 16-0146	EA		56" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	335.36	64.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	32.13	
			<i>For Dynamic Damper, Add</i>	77.12	
			<i>For 3 Hour Rated, Add</i>	42.85	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	35.71	
23 33 13 16-0147	EA		56" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	360.84	68.76
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	34.77	
			<i>For Dynamic Damper, Add</i>	83.45	
			<i>For 3 Hour Rated, Add</i>	46.36	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	38.64	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0148	EA		56" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	386.31	73.30
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	37.41	
			<i>For Dynamic Damper, Add</i>	89.78	
			<i>For 3 Hour Rated, Add</i>	49.88	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	41.57	
23 33 13 16-0149	EA		56" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	425.64	77.84
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	43.16	
			<i>For Dynamic Damper, Add</i>	103.59	
			<i>For 3 Hour Rated, Add</i>	57.55	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	47.96	
23 33 13 16-0150	EA		56" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	458.11	80.18
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	48.92	
			<i>For Dynamic Damper, Add</i>	117.41	
			<i>For 3 Hour Rated, Add</i>	65.23	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	54.36	
23 33 13 16-0151	EA		56" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	488.43	82.38
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	54.20	
			<i>For Dynamic Damper, Add</i>	130.07	
			<i>For 3 Hour Rated, Add</i>	72.26	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	60.22	
23 33 13 16-0152	EA		56" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	532.02	87.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	60.91	
			<i>For Dynamic Damper, Add</i>	146.18	
			<i>For 3 Hour Rated, Add</i>	81.21	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	67.68	
23 33 13 16-0153	EA		56" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	571.36	91.60
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	66.67	
			<i>For Dynamic Damper, Add</i>	160.00	
			<i>For 3 Hour Rated, Add</i>	88.89	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	74.07	
23 33 13 16-0154	EA		56" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	612.82	96.13
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	72.90	
			<i>For Dynamic Damper, Add</i>	174.96	
			<i>For 3 Hour Rated, Add</i>	97.20	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	81.00	
23 33 13 16-0155	EA		56" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	647.89	100.81
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	77.70	
			<i>For Dynamic Damper, Add</i>	186.47	
			<i>For 3 Hour Rated, Add</i>	103.60	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	86.33	
23 33 13 16-0156	EA		56" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	689.35	105.35
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.93	
			<i>For Dynamic Damper, Add</i>	201.44	
			<i>For 3 Hour Rated, Add</i>	111.91	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	93.26	
23 33 13 16-0157	EA		56" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	730.82	109.89
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	90.17	
			<i>For Dynamic Damper, Add</i>	216.40	
			<i>For 3 Hour Rated, Add</i>	120.22	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	100.19	
23 33 13 16-0158	EA		60" x 6" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	244.12	45.80
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	23.98	
			<i>For Dynamic Damper, Add</i>	57.56	
			<i>For 3 Hour Rated, Add</i>	31.98	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	26.65	
23 33 13 16-0159	EA		60" x 8" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	268.54	50.33
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	26.38	
			<i>For Dynamic Damper, Add</i>	63.32	
			<i>For 3 Hour Rated, Add</i>	35.18	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	29.31	
23 33 13 16-0160	EA		60" x 10" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	286.54	55.02
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.34	
			<i>For Dynamic Damper, Add</i>	65.61	
			<i>For 3 Hour Rated, Add</i>	36.45	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.38	
23 33 13 16-0161	EA		60" x 12" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	302.43	59.55
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	27.82	
			<i>For Dynamic Damper, Add</i>	66.77	
			<i>For 3 Hour Rated, Add</i>	37.09	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	30.91	
23 33 13 16-0162	EA		60" x 14" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	328.97	64.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	30.70	
			<i>For Dynamic Damper, Add</i>	73.67	
			<i>For 3 Hour Rated, Add</i>	40.93	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	34.11	
23 33 13 16-0163	EA		60" x 16" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	355.51	68.76
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	33.57	
			<i>For Dynamic Damper, Add</i>	80.57	
			<i>For 3 Hour Rated, Add</i>	44.76	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	37.30	
23 33 13 16-0164	EA		60" x 18" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	383.12	73.30
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	36.69	
			<i>For Dynamic Damper, Add</i>	88.06	
			<i>For 3 Hour Rated, Add</i>	48.92	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	40.77	
23 33 13 16-0165	EA		60" x 20" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	410.73	77.84
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	39.81	
			<i>For Dynamic Damper, Add</i>	95.54	
			<i>For 3 Hour Rated, Add</i>	53.08	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	44.23	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0166	EA		60" x 24" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	445.31	80.18
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	46.04	
			<i>For Dynamic Damper, Add</i>	110.50	
			<i>For 3 Hour Rated, Add</i>	61.39	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	51.16	
23 33 13 16-0167	EA		60" x 28" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	477.76	82.38
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	51.80	
			<i>For Dynamic Damper, Add</i>	124.31	
			<i>For 3 Hour Rated, Add</i>	69.06	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	57.55	
23 33 13 16-0168	EA		60" x 32" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	519.24	87.06
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	58.03	
			<i>For Dynamic Damper, Add</i>	139.28	
			<i>For 3 Hour Rated, Add</i>	77.38	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	64.48	
23 33 13 16-0169	EA		60" x 36" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	560.71	91.60
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	64.27	
			<i>For Dynamic Damper, Add</i>	154.25	
			<i>For 3 Hour Rated, Add</i>	85.69	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	71.41	
23 33 13 16-0170	EA		60" x 40" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	595.77	96.13
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	69.06	
			<i>For Dynamic Damper, Add</i>	165.75	
			<i>For 3 Hour Rated, Add</i>	92.09	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	76.74	
23 33 13 16-0171	EA		60" x 44" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	643.61	100.81
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	76.73	
			<i>For Dynamic Damper, Add</i>	184.16	
			<i>For 3 Hour Rated, Add</i>	102.31	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	85.26	
23 33 13 16-0172	EA		60" x 48" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	687.21	105.35
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	83.45	
			<i>For Dynamic Damper, Add</i>	200.28	
			<i>For 3 Hour Rated, Add</i>	111.27	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	92.72	
23 33 13 16-0173	EA		60" x 52" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	730.82	109.89
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	90.17	
			<i>For Dynamic Damper, Add</i>	216.40	
			<i>For 3 Hour Rated, Add</i>	120.22	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	100.19	
23 33 13 16-0174	EA		60" x 56" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	770.12	114.56
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	95.92	
			<i>For Dynamic Damper, Add</i>	230.20	
			<i>For 3 Hour Rated, Add</i>	127.89	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	106.57	
23 33 13 16-0175	EA		60" x 60" Folding Curtain Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	809.49	119.10
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	101.68	
			<i>For Dynamic Damper, Add</i>	244.03	
			<i>For 3 Hour Rated, Add</i>	135.57	
			<i>For Cap Of Damper Blades Outside Air Stream, Add</i>	112.98	
<b>23 33 13 16-0176</b>			<b>Parallel Blade Louver Fire Damper</b> <small>(23 33 13 16)</small>		
			Note: UL listed. 22 gauge galvanized steel construction with fusible link 160 F spring actuated 1-1/2 hour fire rating.		
23 33 13 16-0177	EA		6" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	107.56	15.26
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	13.90	
			<i>For Dynamic Damper, Add</i>	33.35	
			<i>For 3 Hour Rated, Add</i>	18.53	
23 33 13 16-0178	EA		8" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	112.26	15.96
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	14.49	
			<i>For Dynamic Damper, Add</i>	34.78	
			<i>For 3 Hour Rated, Add</i>	19.32	
23 33 13 16-0179	EA		8" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.21	16.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.09	
			<i>For Dynamic Damper, Add</i>	36.22	
			<i>For 3 Hour Rated, Add</i>	20.12	
23 33 13 16-0180	EA		10" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	115.21	16.09
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.09	
			<i>For Dynamic Damper, Add</i>	36.22	
			<i>For 3 Hour Rated, Add</i>	20.12	
23 33 13 16-0181	EA		10" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.26	16.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.69	
			<i>For Dynamic Damper, Add</i>	37.67	
			<i>For 3 Hour Rated, Add</i>	20.93	
23 33 13 16-0182	EA		10" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	130.08	18.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.89	
			<i>For Dynamic Damper, Add</i>	40.53	
			<i>For 3 Hour Rated, Add</i>	22.52	
23 33 13 16-0183	EA		12" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	119.26	16.50
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	15.69	
			<i>For Dynamic Damper, Add</i>	37.67	
			<i>For 3 Hour Rated, Add</i>	20.93	
23 33 13 16-0184	EA		12" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	127.32	17.47
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	16.89	
			<i>For Dynamic Damper, Add</i>	40.53	
			<i>For 3 Hour Rated, Add</i>	22.52	
23 33 13 16-0185	EA		12" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	132.75	18.29
			<i>For Spring Activated Horizontal Mount Operation, Add</i>	17.49	
			<i>For Dynamic Damper, Add</i>	41.97	
			<i>For 3 Hour Rated, Add</i>	23.32	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0186	EA		12" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	142.29 18.09 43.42 24.12	20.63
23 33 13 16-0187	EA		14" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	126.00 16.59 39.82 22.12	17.47
23 33 13 16-0188	EA		14" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	132.75 17.49 41.97 23.32	18.29
23 33 13 16-0189	EA		14" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	138.17 18.09 43.42 24.12	19.26
23 33 13 16-0190	EA		14" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	144.94 18.69 44.85 24.92	20.63
23 33 13 16-0191	EA		14" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	158.49 20.19 48.45 26.92	22.97
23 33 13 16-0192	EA		16" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	163.59 24.43 58.63 32.57	18.29
23 33 13 16-0193	EA		16" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	170.70 25.10 60.24 33.47	19.67
23 33 13 16-0194	EA		16" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	179.20 25.78 61.86 34.37	21.60
23 33 13 16-0195	EA		16" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	186.28 26.44 63.46 35.26	22.97
23 33 13 16-0196	EA		16" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	200.64 28.13 67.50 37.50	25.17
23 33 13 16-0197	EA		16" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	214.99 29.81 71.53 39.74	27.51
23 33 13 16-0198	EA		18" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	169.32 25.10 60.24 33.47	19.26
23 33 13 16-0199	EA		18" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	177.92 26.11 62.66 34.81	20.63
23 33 13 16-0200	EA		18" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	189.30 27.12 65.09 36.16	22.97
23 33 13 16-0201	EA		18" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	203.63 28.80 69.11 38.40	25.17
23 33 13 16-0202	EA		18" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	216.47 30.14 72.33 40.19	27.51
23 33 13 16-0203	EA		18" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	230.81 31.82 76.37 42.43	29.71
23 33 13 16-0204	EA		18" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	242.15 32.82 78.78 43.76	32.05
23 33 13 16-0205	EA		20" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	176.44 25.78 61.86 34.37	20.63
23 33 13 16-0206	EA		20" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	189.27 27.11 65.08 36.15	22.97
23 33 13 16-0207	EA		20" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	202.13 28.46 68.30 37.95	25.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0208	EA		20" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	220.97 31.15 74.76 41.54	27.51
23 33 13 16-0209	EA		20" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.31 32.16 77.18 42.88	29.71
23 33 13 16-0210	EA		20" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	243.65 33.16 79.59 44.21	32.05
23 33 13 16-0211	EA		20" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	256.50 34.50 82.81 46.01	34.39
23 33 13 16-0212	EA		20" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	269.33 35.84 86.02 47.79	36.59
23 33 13 16-0213	EA		24" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	216.72 33.29 79.90 44.39	22.97
23 33 13 16-0214	EA		24" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.56 35.31 84.74 47.08	25.17
23 33 13 16-0215	EA		24" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.42 36.65 87.97 48.87	27.51
23 33 13 16-0216	EA		24" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.22 38.66 92.79 51.55	29.71
23 33 13 16-0217	EA		24" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.59 39.67 95.21 52.90	32.05
23 33 13 16-0218	EA		24" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	283.93 40.68 97.62 54.23	34.39
23 33 13 16-0219	EA		24" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	299.76 42.69 102.45 56.92	36.59
23 33 13 16-0220	EA		24" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	322.46 44.70 107.29 59.60	41.26
23 33 13 16-0221	EA		24" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.16 47.39 113.74 63.19	45.80
23 33 13 16-0222	EA		28" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	232.56 35.31 84.74 47.08	25.17
23 33 13 16-0223	EA		28" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	245.42 36.65 87.97 48.87	27.51
23 33 13 16-0224	EA		28" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.22 38.66 92.79 51.55	29.71
23 33 13 16-0225	EA		28" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	274.07 40.01 96.01 53.34	32.05
23 33 13 16-0226	EA		28" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	288.42 41.69 100.05 55.58	34.39
23 33 13 16-0227	EA		28" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	302.73 43.36 104.06 57.81	36.59
23 33 13 16-0228	EA		28" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	325.44 45.37 108.90 60.50	41.26
23 33 13 16-0229	EA		28" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.16 47.39 113.74 63.19	45.80

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0230	EA		28" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	372.94 51.42 123.41 68.56	48.14
23 33 13 16-0231	EA		28" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.63 54.78 131.47 73.04	52.68
23 33 13 16-0232	EA		32" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	254.35 38.66 92.79 51.55	27.51
23 33 13 16-0233	EA		32" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	264.19 39.33 94.39 52.44	29.71
23 33 13 16-0234	EA		32" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	274.07 40.01 96.01 53.34	32.05
23 33 13 16-0235	EA		32" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	286.90 41.34 99.23 55.13	34.39
23 33 13 16-0236	EA		32" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	303.30 43.49 104.37 57.98	36.59
23 33 13 16-0237	EA		32" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	325.44 45.37 108.90 60.50	41.26
23 33 13 16-0238	EA		32" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	351.16 48.07 115.36 64.09	45.80
23 33 13 16-0239	EA		32" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	376.85 50.75 121.80 67.67	50.33
23 33 13 16-0240	EA		32" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.63 54.78 131.47 73.04	52.68
23 33 13 16-0241	EA		32" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	433.51 59.48 142.75 79.31	56.39
23 33 13 16-0242	EA		32" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	467.01 64.85 155.64 86.47	59.55
23 33 13 16-0243	EA		36" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	285.53 44.13 105.92 58.84	29.71
23 33 13 16-0244	EA		36" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	299.21 45.66 109.59 60.88	32.05
23 33 13 16-0245	EA		36" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	312.90 47.19 113.27 62.93	34.39
23 33 13 16-0246	EA		36" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	330.03 49.50 118.80 66.00	36.59
23 33 13 16-0247	EA		36" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	348.92 50.66 121.58 67.54	41.26
23 33 13 16-0248	EA		36" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	360.91 51.81 124.34 69.08	43.46
23 33 13 16-0249	EA		36" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	398.59 55.64 133.54 74.19	50.33
23 33 13 16-0250	EA		36" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	429.38 59.48 142.74 79.30	55.02
23 33 13 16-0251	EA		36" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	455.35 64.08 153.80 85.44	56.80



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0252	EA		36" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	495.00 70.22 168.52 93.62	60.93
23 33 13 16-0253	EA		36" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	528.48 75.59 181.41 100.78	64.09
23 33 13 16-0254	EA		36" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	562.65 81.73 196.14 108.97	66.42
23 33 13 16-0255	EA		40" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	320.25 50.40 120.95 67.19	34.39
23 33 13 16-0256	EA		40" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	340.77 53.46 128.31 71.29	36.59
23 33 13 16-0257	EA		40" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	351.06 54.23 130.16 72.31	38.93
23 33 13 16-0258	EA		40" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	361.35 55.00 132.00 73.34	41.26
23 33 13 16-0259	EA		40" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	387.06 57.69 138.46 76.92	43.46
23 33 13 16-0260	EA		40" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.86 60.37 144.90 80.50	45.80
23 33 13 16-0261	EA		40" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	440.14 63.44 152.26 84.59	52.68
23 33 13 16-0262	EA		40" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	467.54 66.51 159.63 88.69	57.21
23 33 13 16-0263	EA		40" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	499.01 71.12 170.69 94.83	60.93
23 33 13 16-0264	EA		40" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	546.14 79.56 190.94 106.08	64.09
23 33 13 16-0265	EA		40" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	577.59 84.16 201.98 112.21	67.81
23 33 13 16-0266	EA		40" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	620.63 92.61 222.25 123.47	69.59
23 33 13 16-0267	EA		40" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	665.72 100.28 240.66 133.70	73.30
23 33 13 16-0268	EA		44" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	333.96 51.93 124.64 69.24	34.39
23 33 13 16-0269	EA		44" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	354.48 55.00 132.00 73.34	36.59
23 33 13 16-0270	EA		44" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	371.60 57.31 137.54 76.41	38.93
23 33 13 16-0271	EA		44" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.89 58.07 139.38 77.43	41.26
23 33 13 16-0272	EA		44" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	402.41 61.14 146.75 81.53	43.46
23 33 13 16-0273	EA		44" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	422.93 64.22 154.12 85.62	45.80

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0274	EA		44" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	467.49 68.05 163.32 90.74	55.02
23 33 13 16-0275	EA		44" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	498.27 71.88 172.52 95.84	59.55
23 33 13 16-0276	EA		44" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	546.14 79.56 190.94 106.08	64.09
23 33 13 16-0277	EA		44" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	590.59 86.47 207.52 115.29	68.76
23 33 13 16-0278	EA		44" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	638.42 94.13 225.92 125.51	73.30
23 33 13 16-0279	EA		44" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	675.99 101.04 242.49 134.72	75.50
23 33 13 16-0280	EA		44" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	713.58 107.95 259.08 143.93	77.84
23 33 13 16-0281	EA		44" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	751.16 114.86 275.66 153.14	80.18
23 33 13 16-0282	EA		48" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	351.06 54.23 130.16 72.31	36.59
23 33 13 16-0283	EA		48" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	371.60 57.31 137.54 76.41	38.93
23 33 13 16-0284	EA		48" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.89 58.07 139.38 77.43	41.26
23 33 13 16-0285	EA		48" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.86 60.37 144.90 80.50	45.80
23 33 13 16-0286	EA		48" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	433.26 63.44 152.26 84.59	50.33
23 33 13 16-0287	EA		48" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	460.66 66.51 159.63 88.69	55.02
23 33 13 16-0288	EA		48" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	494.88 71.12 170.69 94.83	59.55
23 33 13 16-0289	EA		48" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	529.07 75.72 181.73 100.96	64.09
23 33 13 16-0290	EA		48" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	573.54 82.63 198.31 110.17	68.76
23 33 13 16-0291	EA		48" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	624.78 91.06 218.55 121.42	73.30
23 33 13 16-0292	EA		48" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	662.38 97.98 235.14 130.64	75.50
23 33 13 16-0293	EA		48" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	710.16 107.18 257.23 142.91	77.84
23 33 13 16-0294	EA		48" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	754.64 114.09 273.82 152.12	82.38
23 33 13 16-0295	EA		48" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	802.43 123.30 295.91 164.40	84.72

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0296	EA		48" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	850.35 129.44 310.65 172.58	91.60
23 33 13 16-0297	EA		52" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	368.18 56.54 135.69 75.38	38.93
23 33 13 16-0298	EA		52" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	388.70 59.61 143.06 79.48	41.26
23 33 13 16-0299	EA		52" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	416.10 62.68 150.43 83.57	45.80
23 33 13 16-0300	EA		52" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	433.26 63.44 152.26 84.59	50.33
23 33 13 16-0301	EA		52" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	462.38 66.90 160.56 89.20	55.02
23 33 13 16-0302	EA		52" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	491.46 70.35 168.84 93.80	59.55
23 33 13 16-0303	EA		52" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	525.68 74.96 179.90 99.94	64.09
23 33 13 16-0304	EA		52" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	559.90 79.56 190.94 106.08	68.76
23 33 13 16-0305	EA		52" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	604.34 86.47 207.52 115.29	73.30
23 33 13 16-0306	EA		52" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	659.01 95.67 229.61 127.56	77.84
23 33 13 16-0307	EA		52" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	699.98 103.34 248.02 137.79	80.18
23 33 13 16-0308	EA		52" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	751.21 113.32 271.97 151.10	82.38
23 33 13 16-0309	EA		52" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	805.86 122.52 294.06 163.37	87.06
23 33 13 16-0310	EA		52" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	850.35 129.44 310.65 172.58	91.60
23 33 13 16-0311	EA		52" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	911.88 138.64 332.74 184.86	98.47
23 33 13 16-0312	EA		52" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	959.74 146.32 351.16 195.09	103.01
23 33 13 16-0313	EA		56" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	381.89 58.07 139.38 77.43	41.26
23 33 13 16-0314	EA		56" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	412.67 61.91 148.58 82.54	45.80
23 33 13 16-0315	EA		56" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	436.69 64.22 154.12 85.62	50.33
23 33 13 16-0316	EA		56" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	453.83 64.98 155.95 86.64	55.02
23 33 13 16-0317	EA		56" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.35 69.20 166.08 92.27	59.55

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0318	EA		56" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	518.85 73.42 176.21 97.89	64.09
23 33 13 16-0319	EA		56" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	551.37 77.64 186.34 103.52	68.76
23 33 13 16-0320	EA		56" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	583.87 81.86 196.46 109.15	73.30
23 33 13 16-0321	EA		56" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	638.54 91.06 218.55 121.42	77.84
23 33 13 16-0322	EA		56" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	686.35 100.28 240.66 133.70	80.18
23 33 13 16-0323	EA		56" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	730.74 108.72 260.92 144.95	82.38
23 33 13 16-0324	EA		56" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	792.25 119.46 286.71 159.28	87.06
23 33 13 16-0325	EA		56" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	846.92 128.67 308.80 171.56	91.60
23 33 13 16-0326	EA		56" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	905.01 138.64 332.74 184.86	96.13
23 33 13 16-0327	EA		56" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	952.87 146.32 351.16 195.09	100.81
23 33 13 16-0328	EA		56" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,010.96 156.29 375.11 208.39	105.35
23 33 13 16-0329	EA		56" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,069.06 166.27 399.05 221.69	109.89
23 33 13 16-0330	EA		60" x 6" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	405.86 60.37 144.90 80.50	45.80
23 33 13 16-0331	EA		60" x 8" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	436.69 64.22 154.12 85.62	50.33
23 33 13 16-0332	EA		60" x 10" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	457.23 65.74 157.78 87.66	55.02
23 33 13 16-0333	EA		60" x 12" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	474.41 66.51 159.63 88.69	59.55
23 33 13 16-0334	EA		60" x 14" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	508.63 71.12 170.69 94.83	64.09
23 33 13 16-0335	EA		60" x 16" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	542.83 75.72 181.73 100.96	68.76
23 33 13 16-0336	EA		60" x 18" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	578.75 80.71 193.70 107.61	73.30
23 33 13 16-0337	EA		60" x 20" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	614.68 85.70 205.67 114.26	77.84
23 33 13 16-0338	EA		60" x 24" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	665.88 95.67 229.61 127.56	80.18
23 33 13 16-0339	EA		60" x 28" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	713.69 104.88 251.71 139.84	82.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 16-0340	EA		60" x 32" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	771.79 114.86 275.66 153.14	87.06
23 33 13 16-0341	EA		60" x 36" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	829.89 124.83 299.60 166.45	91.60
23 33 13 16-0342	EA		60" x 40" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	877.74 132.51 318.02 176.68	96.13
23 33 13 16-0343	EA		60" x 44" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	946.05 144.78 347.48 193.04	100.81
23 33 13 16-0344	EA		60" x 48" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,007.54 155.52 373.26 207.37	105.35
23 33 13 16-0345	EA		60" x 52" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,069.06 166.27 399.05 221.69	109.89
23 33 13 16-0346	EA		60" x 56" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,123.70 175.47 421.13 233.96	114.56
23 33 13 16-0347	EA		60" x 60" Louver Type Fire Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Spring Activated Horizontal Mount Operation, Add</i> <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,178.43 184.69 443.25 246.25	119.10
<b>23 33 13 16-0348</b>			<b>Round 2 Hour Fire Damper</b> (23 33 13 16)		
23 33 13 16-0349	EA		4" Round 2 Hour Fire Damper	134.14	27.51
23 33 13 16-0350	EA		5" Round 2 Hour Fire Damper	139.81	27.51
23 33 13 16-0351	EA		6" Round 2 Hour Fire Damper	164.30	31.22
23 33 13 16-0352	EA		7" Round 2 Hour Fire Damper	170.46	31.22
23 33 13 16-0353	EA		8" Round 2 Hour Fire Damper	204.45	34.39
23 33 13 16-0354	EA		9" Round 2 Hour Fire Damper	221.40	34.39
23 33 13 16-0355	EA		10" Round 2 Hour Fire Damper	246.05	38.23
23 33 13 16-0356	EA		12" Round 2 Hour Fire Damper	276.38	43.05
23 33 13 16-0357	EA		14" Round 2 Hour Fire Damper	314.13	49.09
<b>23 33 13 16-0358</b>			<b>Round 4 Hour Fire Damper</b> (23 33 13 16)		
23 33 13 16-0359	EA		4" Round 4 Hour Fire Damper	151.13	31.22
23 33 13 16-0360	EA		5" Round 4 Hour Fire Damper	166.57	31.22
23 33 13 16-0361	EA		6" Round 4 Hour Fire Damper	188.47	34.39
23 33 13 16-0362	EA		7" Round 4 Hour Fire Damper	208.39	34.39
23 33 13 16-0363	EA		8" Round 4 Hour Fire Damper	236.01	38.23
23 33 13 16-0364	EA		9" Round 4 Hour Fire Damper	248.15	38.23
23 33 13 16-0365	EA		10" Round 4 Hour Fire Damper	276.75	43.05
23 33 13 16-0366	EA		12" Round 4 Hour Fire Damper	306.41	49.09
23 33 13 16-0367	EA		14" Round 4 Hour Fire Damper	357.49	57.36
<b>23 33 13 19</b>			<b>Smoke-Control Dampers</b> (23 33 13 19)		
<b>23 33 13 19-0001</b>			<b>Combination Smoke/Fire Damper</b> (23 33 13 19) Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0002	EA		6" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	609.18 291.86 162.15	22.90
23 33 13 19-0003	EA		8" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	625.47 298.99 166.10	23.93
23 33 13 19-0004	EA		8" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	639.25 306.21 170.12	24.14
23 33 13 19-0005	EA		10" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	603.97 287.16 159.53	24.14
23 33 13 19-0006	EA		10" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	618.50 293.88 163.27	24.75
23 33 13 19-0007	EA		10" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	651.73 307.37 170.76	27.44
23 33 13 19-0008	EA		12" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	618.50 293.88 163.27	24.75
23 33 13 19-0009	EA		12" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	647.61 307.37 170.76	26.20
23 33 13 19-0010	EA		12" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	664.19 314.10 174.50	27.44



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0011	EA		12" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	687.03	30.95
			<i>For Dynamic Damper, Add</i>	320.87	
			<i>For 3 Hour Rated, Add</i>	178.26	
23 33 13 19-0012	EA		14" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	641.39	26.20
			<i>For Dynamic Damper, Add</i>	304.01	
			<i>For 3 Hour Rated, Add</i>	168.90	
23 33 13 19-0013	EA		14" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	664.19	27.44
			<i>For Dynamic Damper, Add</i>	314.10	
			<i>For 3 Hour Rated, Add</i>	174.50	
23 33 13 19-0014	EA		14" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	680.85	28.88
			<i>For Dynamic Damper, Add</i>	320.87	
			<i>For 3 Hour Rated, Add</i>	178.26	
23 33 13 19-0015	EA		14" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	699.56	30.95
			<i>For Dynamic Damper, Add</i>	327.63	
			<i>For 3 Hour Rated, Add</i>	182.02	
23 33 13 19-0016	EA		14" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	741.10	34.45
			<i>For Dynamic Damper, Add</i>	344.49	
			<i>For 3 Hour Rated, Add</i>	191.39	
23 33 13 19-0017	EA		16" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	724.45	27.44
			<i>For Dynamic Damper, Add</i>	346.64	
			<i>For 3 Hour Rated, Add</i>	192.58	
23 33 13 19-0018	EA		16" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	738.39	29.50
			<i>For Dynamic Damper, Add</i>	350.83	
			<i>For 3 Hour Rated, Add</i>	194.90	
23 33 13 19-0019	EA		16" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	754.39	32.39
			<i>For Dynamic Damper, Add</i>	355.01	
			<i>For 3 Hour Rated, Add</i>	197.23	
23 33 13 19-0020	EA		16" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	768.23	34.45
			<i>For Dynamic Damper, Add</i>	359.14	
			<i>For 3 Hour Rated, Add</i>	199.52	
23 33 13 19-0021	EA		16" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	797.89	37.76
			<i>For Dynamic Damper, Add</i>	369.59	
			<i>For 3 Hour Rated, Add</i>	205.33	
23 33 13 19-0022	EA		16" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	827.51	41.26
			<i>For Dynamic Damper, Add</i>	380.01	
			<i>For 3 Hour Rated, Add</i>	211.12	
23 33 13 19-0023	EA		18" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	736.33	28.88
			<i>For Dynamic Damper, Add</i>	350.83	
			<i>For 3 Hour Rated, Add</i>	194.90	
23 33 13 19-0024	EA		18" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	754.06	30.95
			<i>For Dynamic Damper, Add</i>	357.06	
			<i>For 3 Hour Rated, Add</i>	198.37	
23 33 13 19-0025	EA		18" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	776.03	34.45
			<i>For Dynamic Damper, Add</i>	363.36	
			<i>For 3 Hour Rated, Add</i>	201.86	
23 33 13 19-0026	EA		18" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	805.64	37.76
			<i>For Dynamic Damper, Add</i>	373.78	
			<i>For 3 Hour Rated, Add</i>	207.65	
23 33 13 19-0027	EA		18" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	831.36	41.26
			<i>For Dynamic Damper, Add</i>	382.09	
			<i>For 3 Hour Rated, Add</i>	212.27	
23 33 13 19-0028	EA		18" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	860.98	44.56
			<i>For Dynamic Damper, Add</i>	392.52	
			<i>For 3 Hour Rated, Add</i>	218.06	
23 33 13 19-0029	EA		18" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	882.89	48.07
			<i>For Dynamic Damper, Add</i>	398.78	
			<i>For 3 Hour Rated, Add</i>	221.54	
23 33 13 19-0030	EA		20" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	750.26	30.95
			<i>For Dynamic Damper, Add</i>	355.01	
			<i>For 3 Hour Rated, Add</i>	197.23	
23 33 13 19-0031	EA		20" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	775.98	34.45
			<i>For Dynamic Damper, Add</i>	363.33	
			<i>For 3 Hour Rated, Add</i>	201.85	
23 33 13 19-0032	EA		20" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	801.74	37.76
			<i>For Dynamic Damper, Add</i>	371.67	
			<i>For 3 Hour Rated, Add</i>	206.48	
23 33 13 19-0033	EA		20" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	843.01	41.26
			<i>For Dynamic Damper, Add</i>	388.38	
			<i>For 3 Hour Rated, Add</i>	215.77	
23 33 13 19-0034	EA		20" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	864.88	44.56
			<i>For Dynamic Damper, Add</i>	394.62	
			<i>For 3 Hour Rated, Add</i>	219.23	
23 33 13 19-0035	EA		20" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	886.74	48.07
			<i>For Dynamic Damper, Add</i>	400.86	
			<i>For 3 Hour Rated, Add</i>	222.70	
23 33 13 19-0036	EA		20" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	912.51	51.58
			<i>For Dynamic Damper, Add</i>	409.20	
			<i>For 3 Hour Rated, Add</i>	227.33	
23 33 13 19-0037	EA		20" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	938.21	54.87
			<i>For Dynamic Damper, Add</i>	417.51	
			<i>For 3 Hour Rated, Add</i>	231.95	
23 33 13 19-0038	EA		24" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	768.88	34.45
			<i>For Dynamic Damper, Add</i>	359.49	
			<i>For 3 Hour Rated, Add</i>	199.72	
23 33 13 19-0039	EA		24" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	794.81	37.76
			<i>For Dynamic Damper, Add</i>	367.93	
			<i>For 3 Hour Rated, Add</i>	204.41	
23 33 13 19-0040	EA		24" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	815.57	41.26
			<i>For Dynamic Damper, Add</i>	373.57	
			<i>For 3 Hour Rated, Add</i>	207.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0041	EA		24" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	841.44 381.96 212.20	44.56
23 33 13 19-0042	EA		24" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	859.57 386.19 214.55	48.07
23 33 13 19-0043	EA		24" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	877.66 390.38 216.88	51.58
23 33 13 19-0044	EA		24" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	903.56 398.80 221.56	54.87
23 33 13 19-0045	EA		24" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	939.77 407.22 226.23	61.88
23 33 13 19-0046	EA		24" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	981.22 418.46 232.48	68.69
23 33 13 19-0047	EA		28" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	794.81 367.93 204.41	37.76
23 33 13 19-0048	EA		28" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	815.57 373.57 207.54	41.26
23 33 13 19-0049	EA		28" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	841.44 381.96 212.20	44.56
23 33 13 19-0050	EA		28" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	862.16 387.59 215.33	48.07
23 33 13 19-0051	EA		28" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	885.48 394.61 219.23	51.58
23 33 13 19-0052	EA		28" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	908.75 401.60 223.11	54.87
23 33 13 19-0053	EA		28" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	944.96 410.02 227.79	61.88
23 33 13 19-0054	EA		28" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	981.22 418.46 232.48	68.69
23 33 13 19-0055	EA		28" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,022.71 435.29 241.83	72.20
23 33 13 19-0056	EA		28" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,069.34 449.33 249.63	79.01
23 33 13 19-0057	EA		32" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	831.12 381.96 212.20	41.26
23 33 13 19-0058	EA		32" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	846.63 384.77 213.76	44.56
23 33 13 19-0059	EA		32" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	862.16 387.59 215.33	48.07
23 33 13 19-0060	EA		32" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	882.85 393.18 218.44	51.58
23 33 13 19-0061	EA		32" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	909.72 402.13 223.40	54.87
23 33 13 19-0062	EA		32" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	944.96 410.02 227.79	61.88
23 33 13 19-0063	EA		32" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	986.44 421.28 234.04	68.69
23 33 13 19-0064	EA		32" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,027.88 432.51 240.29	75.50
23 33 13 19-0065	EA		32" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,069.34 449.33 249.63	79.01
23 33 13 19-0066	EA		32" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,122.28 469.01 260.56	84.58
23 33 13 19-0067	EA		32" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,178.27 491.44 273.02	89.33
23 33 13 19-0068	EA		36" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	873.32 399.18 221.77	44.56
23 33 13 19-0069	EA		36" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	894.89 405.26 225.14	48.07
23 33 13 19-0070	EA		36" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	916.52 411.37 228.54	51.58

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0071	EA		36" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	943.80	54.87
			<i>For Dynamic Damper, Add</i>	420.53	
			<i>For 3 Hour Rated, Add</i>	233.63	
23 33 13 19-0072	EA		36" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	972.92	61.88
			<i>For Dynamic Damper, Add</i>	425.12	
			<i>For 3 Hour Rated, Add</i>	236.18	
23 33 13 19-0073	EA		36" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	991.71	65.19
			<i>For Dynamic Damper, Add</i>	429.69	
			<i>For 3 Hour Rated, Add</i>	238.72	
23 33 13 19-0074	EA		36" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,050.94	75.50
			<i>For Dynamic Damper, Add</i>	444.97	
			<i>For 3 Hour Rated, Add</i>	247.20	
23 33 13 19-0075	EA		36" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,099.77	82.52
			<i>For Dynamic Damper, Add</i>	460.19	
			<i>For 3 Hour Rated, Add</i>	255.66	
23 33 13 19-0076	EA		36" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,141.93	85.21
			<i>For Dynamic Damper, Add</i>	478.50	
			<i>For 3 Hour Rated, Add</i>	265.84	
23 33 13 19-0077	EA		36" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,205.72	91.39
			<i>For Dynamic Damper, Add</i>	502.92	
			<i>For 3 Hour Rated, Add</i>	279.40	
23 33 13 19-0078	EA		36" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,259.67	96.13
			<i>For Dynamic Damper, Add</i>	524.26	
			<i>For 3 Hour Rated, Add</i>	291.26	
23 33 13 19-0079	EA		36" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,315.19	99.64
			<i>For Dynamic Damper, Add</i>	548.67	
			<i>For 3 Hour Rated, Add</i>	304.82	
23 33 13 19-0080	EA		40" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,399.41	51.58
			<i>For Dynamic Damper, Add</i>	677.70	
			<i>For 3 Hour Rated, Add</i>	376.50	
23 33 13 19-0081	EA		40" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,440.03	54.87
			<i>For Dynamic Damper, Add</i>	694.06	
			<i>For 3 Hour Rated, Add</i>	385.59	
23 33 13 19-0082	EA		40" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,457.95	58.38
			<i>For Dynamic Damper, Add</i>	698.17	
			<i>For 3 Hour Rated, Add</i>	387.87	
23 33 13 19-0083	EA		40" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,475.88	61.88
			<i>For Dynamic Damper, Add</i>	702.28	
			<i>For 3 Hour Rated, Add</i>	390.16	
23 33 13 19-0084	EA		40" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,523.04	65.19
			<i>For Dynamic Damper, Add</i>	716.61	
			<i>For 3 Hour Rated, Add</i>	398.12	
23 33 13 19-0085	EA		40" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,559.94	68.69
			<i>For Dynamic Damper, Add</i>	730.97	
			<i>For 3 Hour Rated, Add</i>	406.09	
23 33 13 19-0086	EA		40" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,621.23	79.01
			<i>For Dynamic Damper, Add</i>	747.35	
			<i>For 3 Hour Rated, Add</i>	415.20	
23 33 13 19-0087	EA		40" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,672.17	85.82
			<i>For Dynamic Damper, Add</i>	763.72	
			<i>For 3 Hour Rated, Add</i>	424.29	
23 33 13 19-0088	EA		40" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,734.23	91.39
			<i>For Dynamic Damper, Add</i>	788.32	
			<i>For 3 Hour Rated, Add</i>	437.96	
23 33 13 19-0089	EA		40" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,832.05	96.13
			<i>For Dynamic Damper, Add</i>	833.34	
			<i>For 3 Hour Rated, Add</i>	462.97	
23 33 13 19-0090	EA		40" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,894.02	101.71
			<i>For Dynamic Damper, Add</i>	857.90	
			<i>For 3 Hour Rated, Add</i>	476.61	
23 33 13 19-0091	EA		40" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,985.74	104.39
			<i>For Dynamic Damper, Add</i>	902.97	
			<i>For 3 Hour Rated, Add</i>	501.65	
23 33 13 19-0092	EA		40" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,078.12	109.96
			<i>For Dynamic Damper, Add</i>	943.94	
			<i>For 3 Hour Rated, Add</i>	524.41	
23 33 13 19-0093	EA		44" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,424.90	51.58
			<i>For Dynamic Damper, Add</i>	685.89	
			<i>For 3 Hour Rated, Add</i>	381.05	
23 33 13 19-0094	EA		44" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,465.56	54.87
			<i>For Dynamic Damper, Add</i>	702.28	
			<i>For 3 Hour Rated, Add</i>	390.16	
23 33 13 19-0095	EA		44" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,498.66	58.38
			<i>For Dynamic Damper, Add</i>	714.58	
			<i>For 3 Hour Rated, Add</i>	396.99	
23 33 13 19-0096	EA		44" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,516.57	61.88
			<i>For Dynamic Damper, Add</i>	718.69	
			<i>For 3 Hour Rated, Add</i>	399.27	
23 33 13 19-0097	EA		44" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,557.23	65.19
			<i>For Dynamic Damper, Add</i>	735.08	
			<i>For 3 Hour Rated, Add</i>	408.38	
23 33 13 19-0098	EA		44" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,597.85	68.69
			<i>For Dynamic Damper, Add</i>	751.44	
			<i>For 3 Hour Rated, Add</i>	417.47	
23 33 13 19-0099	EA		44" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,677.07	82.52
			<i>For Dynamic Damper, Add</i>	771.94	
			<i>For 3 Hour Rated, Add</i>	428.85	
23 33 13 19-0100	EA		44" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,735.56	89.33
			<i>For Dynamic Damper, Add</i>	792.38	
			<i>For 3 Hour Rated, Add</i>	440.21	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0101	EA		44" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,832.05 833.34 462.97	96.13
23 33 13 19-0102	EA		44" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,920.92 870.20 483.44	103.15
23 33 13 19-0103	EA		44" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,017.38 911.14 506.19	109.96
23 33 13 19-0104	EA		44" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,095.94 948.00 526.67	113.26
23 33 13 19-0105	EA		44" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,174.56 984.88 547.16	116.77
23 33 13 19-0106	EA		44" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,253.17 1,021.76 567.65	120.27
23 33 13 19-0107	EA		48" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,457.95 698.17 387.87	54.87
23 33 13 19-0108	EA		48" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,498.66 714.58 396.99	58.38
23 33 13 19-0109	EA		48" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,516.57 718.69 399.27	61.88
23 33 13 19-0110	EA		48" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,559.94 730.97 406.09	68.69
23 33 13 19-0111	EA		48" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,610.92 747.35 415.20	75.50
23 33 13 19-0112	EA		48" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,661.85 763.72 424.29	82.52
23 33 13 19-0113	EA		48" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,728.04 788.32 437.96	89.33
23 33 13 19-0114	EA		48" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,794.14 812.87 451.60	96.13
23 33 13 19-0115	EA		48" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,883.02 849.73 472.07	103.15
23 33 13 19-0116	EA		48" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,987.03 894.75 497.09	109.96
23 33 13 19-0117	EA		48" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,065.69 931.66 517.59	113.26
23 33 13 19-0118	EA		48" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,166.95 980.77 544.87	116.77
23 33 13 19-0119	EA		48" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,255.88 1,017.65 565.36	123.58
23 33 13 19-0120	EA		48" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,357.24 1,066.81 592.67	127.08
23 33 13 19-0121	EA		48" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,448.81 1,099.56 610.87	137.40
23 33 13 19-0122	EA		52" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,491.05 710.47 394.71	58.38
23 33 13 19-0123	EA		52" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,531.70 726.86 403.81	61.88
23 33 13 19-0124	EA		52" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,582.68 743.25 412.91	68.69
23 33 13 19-0125	EA		52" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,610.92 747.35 415.20	75.50
23 33 13 19-0126	EA		52" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,665.70 765.80 425.44	82.52
23 33 13 19-0127	EA		52" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,720.43 784.21 435.67	89.33
23 33 13 19-0128	EA		52" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,786.58 808.79 449.33	96.13
23 33 13 19-0129	EA		52" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,852.67 833.34 462.97	103.15
23 33 13 19-0130	EA		52" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,941.56 870.20 483.44	109.96

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0131	EA		52" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,053.23	116.77
			<i>For Dynamic Damper, Add</i>	919.36	
			<i>For 3 Hour Rated, Add</i>	510.76	
23 33 13 19-0132	EA		52" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,139.31	120.27
			<i>For Dynamic Damper, Add</i>	960.28	
			<i>For 3 Hour Rated, Add</i>	533.49	
23 33 13 19-0133	EA		52" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,248.32	123.58
			<i>For Dynamic Damper, Add</i>	1,013.57	
			<i>For 3 Hour Rated, Add</i>	563.09	
23 33 13 19-0134	EA		52" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,359.89	130.59
			<i>For Dynamic Damper, Add</i>	1,062.68	
			<i>For 3 Hour Rated, Add</i>	590.38	
23 33 13 19-0135	EA		52" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,448.81	137.40
			<i>For Dynamic Damper, Add</i>	1,099.56	
			<i>For 3 Hour Rated, Add</i>	610.87	
23 33 13 19-0136	EA		52" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,570.75	147.71
			<i>For Dynamic Damper, Add</i>	1,148.69	
			<i>For 3 Hour Rated, Add</i>	638.16	
23 33 13 19-0137	EA		52" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,667.24	154.52
			<i>For Dynamic Damper, Add</i>	1,189.66	
			<i>For 3 Hour Rated, Add</i>	660.92	
23 33 13 19-0138	EA		56" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,516.57	61.88
			<i>For Dynamic Damper, Add</i>	718.69	
			<i>For 3 Hour Rated, Add</i>	399.27	
23 33 13 19-0139	EA		56" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,575.07	68.69
			<i>For Dynamic Damper, Add</i>	739.14	
			<i>For 3 Hour Rated, Add</i>	410.63	
23 33 13 19-0140	EA		56" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,618.48	75.50
			<i>For Dynamic Damper, Add</i>	751.44	
			<i>For 3 Hour Rated, Add</i>	417.47	
23 33 13 19-0141	EA		56" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,646.68	82.52
			<i>For Dynamic Damper, Add</i>	755.52	
			<i>For 3 Hour Rated, Add</i>	419.74	
23 33 13 19-0142	EA		56" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,709.06	89.33
			<i>For Dynamic Damper, Add</i>	778.07	
			<i>For 3 Hour Rated, Add</i>	432.26	
23 33 13 19-0143	EA		56" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,771.41	96.13
			<i>For Dynamic Damper, Add</i>	800.60	
			<i>For 3 Hour Rated, Add</i>	444.78	
23 33 13 19-0144	EA		56" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,833.69	103.15
			<i>For Dynamic Damper, Add</i>	823.10	
			<i>For 3 Hour Rated, Add</i>	457.28	
23 33 13 19-0145	EA		56" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,896.05	109.96
			<i>For Dynamic Damper, Add</i>	845.62	
			<i>For 3 Hour Rated, Add</i>	469.79	
23 33 13 19-0146	EA		56" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,007.66	116.77
			<i>For Dynamic Damper, Add</i>	894.75	
			<i>For 3 Hour Rated, Add</i>	497.09	
23 33 13 19-0147	EA		56" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,109.06	120.27
			<i>For Dynamic Damper, Add</i>	943.94	
			<i>For 3 Hour Rated, Add</i>	524.41	
23 33 13 19-0148	EA		56" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,202.75	123.58
			<i>For Dynamic Damper, Add</i>	988.96	
			<i>For 3 Hour Rated, Add</i>	549.42	
23 33 13 19-0149	EA		56" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,329.59	130.59
			<i>For Dynamic Damper, Add</i>	1,046.31	
			<i>For 3 Hour Rated, Add</i>	581.29	
23 33 13 19-0150	EA		56" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,441.20	137.40
			<i>For Dynamic Damper, Add</i>	1,095.45	
			<i>For 3 Hour Rated, Add</i>	608.58	
23 33 13 19-0151	EA		56" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,560.43	144.21
			<i>For Dynamic Damper, Add</i>	1,148.69	
			<i>For 3 Hour Rated, Add</i>	638.16	
23 33 13 19-0152	EA		56" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,656.93	151.22
			<i>For Dynamic Damper, Add</i>	1,189.66	
			<i>For 3 Hour Rated, Add</i>	660.92	
23 33 13 19-0153	EA		56" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,776.16	158.03
			<i>For Dynamic Damper, Add</i>	1,242.90	
			<i>For 3 Hour Rated, Add</i>	690.50	
23 33 13 19-0154	EA		56" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	2,895.39	164.83
			<i>For Dynamic Damper, Add</i>	1,296.15	
			<i>For 3 Hour Rated, Add</i>	720.08	
23 33 13 19-0155	EA		60" x 6" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,559.94	68.69
			<i>For Dynamic Damper, Add</i>	730.97	
			<i>For 3 Hour Rated, Add</i>	406.09	
23 33 13 19-0156	EA		60" x 8" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,618.48	75.50
			<i>For Dynamic Damper, Add</i>	751.44	
			<i>For 3 Hour Rated, Add</i>	417.47	
23 33 13 19-0157	EA		60" x 10" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,654.28	82.52
			<i>For Dynamic Damper, Add</i>	759.63	
			<i>For 3 Hour Rated, Add</i>	422.02	
23 33 13 19-0158	EA		60" x 12" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,682.48	89.33
			<i>For Dynamic Damper, Add</i>	763.72	
			<i>For 3 Hour Rated, Add</i>	424.29	
23 33 13 19-0159	EA		60" x 14" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,748.67	96.13
			<i>For Dynamic Damper, Add</i>	788.32	
			<i>For 3 Hour Rated, Add</i>	437.96	
23 33 13 19-0160	EA		60" x 16" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated.....	1,814.76	103.15
			<i>For Dynamic Damper, Add</i>	812.87	
			<i>For 3 Hour Rated, Add</i>	451.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0161	EA		60" x 18" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,884.68 839.48 466.38	109.96
23 33 13 19-0162	EA		60" x 20" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,954.63 866.12 481.18	116.77
23 33 13 19-0163	EA		60" x 24" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,063.54 919.36 510.76	120.27
23 33 13 19-0164	EA		60" x 28" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,164.85 968.50 538.05	123.58
23 33 13 19-0165	EA		60" x 32" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,284.12 1,021.76 567.65	130.59
23 33 13 19-0166	EA		60" x 36" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,403.34 1,075.01 597.23	137.40
23 33 13 19-0167	EA		60" x 40" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,499.79 1,115.95 619.97	144.21
23 33 13 19-0168	EA		60" x 44" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,641.76 1,181.47 656.37	151.22
23 33 13 19-0169	EA		60" x 48" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,768.60 1,238.82 688.23	158.03
23 33 13 19-0170	EA		60" x 52" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	2,895.39 1,296.15 720.08	164.83
23 33 13 19-0171	EA		60" x 56" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	3,006.96 1,345.25 747.36	171.84
23 33 13 19-0172	EA		60" x 60" Louver Type Combination Fire/Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	3,118.71 1,394.46 774.70	178.65
<b>23 33 13 19-0173</b>			<b>Smoke Damper</b> <small>(23 33 13 19)</small>		
			Note: 1-1/2 hour rating, leakage class I with Firestat UL 555S air foil blades.		
23 33 13 19-0174	EA		6" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	134.19 47.73 26.52	15.26
23 33 13 19-0175	EA		8" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	138.47 48.93 27.18	15.96
23 33 13 19-0176	EA		8" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	141.00 50.14 27.86	16.09
23 33 13 19-0177	EA		10" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	141.00 50.14 27.86	16.09
23 33 13 19-0178	EA		10" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	144.60 51.35 28.53	16.50
23 33 13 19-0179	EA		10" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	154.58 53.76 29.87	18.29
23 33 13 19-0180	EA		12" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	144.60 51.35 28.53	16.50
23 33 13 19-0181	EA		12" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	151.82 53.76 29.87	17.47
23 33 13 19-0182	EA		12" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	156.83 54.98 30.54	18.29
23 33 13 19-0183	EA		12" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	165.92 56.18 31.21	20.63
23 33 13 19-0184	EA		14" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	150.71 53.16 29.54	17.47
23 33 13 19-0185	EA		14" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	156.83 54.98 30.54	18.29
23 33 13 19-0186	EA		14" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	161.80 56.18 31.21	19.26
23 33 13 19-0187	EA		14" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	168.17 57.40 31.89	20.63
23 33 13 19-0188	EA		14" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	180.64 60.42 33.56	22.97
23 33 13 19-0189	EA		16" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	238.33 98.99 54.99	18.29

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13	19-0190	EA	16" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	244.68 100.19 55.66	19.67
23 33 13	19-0191	EA	16" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	252.43 101.41 56.34	21.60
23 33 13	19-0192	EA	16" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	258.77 102.61 57.00	22.97
23 33 13	19-0193	EA	16" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	271.27 105.64 58.69	25.17
23 33 13	19-0194	EA	16" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	283.74 108.66 60.37	27.51
23 33 13	19-0195	EA	18" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	243.30 100.19 55.66	19.26
23 33 13	19-0196	EA	18" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	250.78 102.01 56.67	20.63
23 33 13	19-0197	EA	18" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.03 103.83 57.68	22.97
23 33 13	19-0198	EA	18" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	273.51 106.85 59.36	25.17
23 33 13	19-0199	EA	18" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	284.85 109.26 60.70	27.51
23 33 13	19-0200	EA	18" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	297.33 112.29 62.38	29.71
23 33 13	19-0201	EA	18" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	307.57 114.10 63.39	32.05
23 33 13	19-0202	EA	20" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	249.67 101.41 56.34	20.63
23 33 13	19-0203	EA	20" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	261.02 103.82 57.68	22.97
23 33 13	19-0204	EA	20" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	272.38 106.24 59.02	25.17
23 33 13	19-0205	EA	20" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	288.23 111.08 61.71	27.51
23 33 13	19-0206	EA	20" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	298.45 112.89 62.72	29.71
23 33 13	19-0207	EA	20" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	308.69 114.71 63.73	32.05
23 33 13	19-0208	EA	20" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	320.04 117.12 65.07	34.39
23 33 13	19-0209	EA	20" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	331.38 119.53 66.41	36.59
23 33 13	19-0210	EA	24" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	328.45 140.23 77.91	22.97
23 33 13	19-0211	EA	24" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.06 143.87 79.93	25.17
23 33 13	19-0212	EA	24" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	353.43 146.29 81.27	27.51
23 33 13	19-0213	EA	24" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	367.01 149.91 83.29	29.71
23 33 13	19-0214	EA	24" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	377.25 151.73 84.29	32.05
23 33 13	19-0215	EA	24" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	387.47 153.53 85.30	34.39
23 33 13	19-0216	EA	24" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	401.07 157.16 87.31	36.59
23 33 13	19-0217	EA	24" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	421.53 160.79 89.33	41.26
23 33 13	19-0218	EA	24" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	444.25 165.63 92.02	45.80
23 33 13	19-0219	EA	28" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	342.06 143.87 79.93	25.17

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0220	EA		28" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	353.43	27.51
			<i>For Dynamic Damper, Add</i>	146.29	
			<i>For 3 Hour Rated, Add</i>	81.27	
23 33 13 19-0221	EA		28" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	367.01	29.71
			<i>For Dynamic Damper, Add</i>	149.91	
			<i>For 3 Hour Rated, Add</i>	83.29	
23 33 13 19-0222	EA		28" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.36	32.05
			<i>For Dynamic Damper, Add</i>	152.33	
			<i>For 3 Hour Rated, Add</i>	84.63	
23 33 13 19-0223	EA		28" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	390.83	34.39
			<i>For Dynamic Damper, Add</i>	155.35	
			<i>For 3 Hour Rated, Add</i>	86.30	
23 33 13 19-0224	EA		28" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.30	36.59
			<i>For Dynamic Damper, Add</i>	158.37	
			<i>For 3 Hour Rated, Add</i>	87.98	
23 33 13 19-0225	EA		28" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.77	41.26
			<i>For Dynamic Damper, Add</i>	161.99	
			<i>For 3 Hour Rated, Add</i>	90.00	
23 33 13 19-0226	EA		28" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	444.25	45.80
			<i>For Dynamic Damper, Add</i>	165.63	
			<i>For 3 Hour Rated, Add</i>	92.02	
23 33 13 19-0227	EA		28" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	464.54	48.14
			<i>For Dynamic Damper, Add</i>	172.87	
			<i>For 3 Hour Rated, Add</i>	96.04	
23 33 13 19-0228	EA		28" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.50	52.68
			<i>For Dynamic Damper, Add</i>	178.92	
			<i>For 3 Hour Rated, Add</i>	99.40	
23 33 13 19-0229	EA		32" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	360.14	27.51
			<i>For Dynamic Damper, Add</i>	149.91	
			<i>For 3 Hour Rated, Add</i>	83.29	
23 33 13 19-0230	EA		32" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	369.23	29.71
			<i>For Dynamic Damper, Add</i>	151.11	
			<i>For 3 Hour Rated, Add</i>	83.95	
23 33 13 19-0231	EA		32" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	378.36	32.05
			<i>For Dynamic Damper, Add</i>	152.33	
			<i>For 3 Hour Rated, Add</i>	84.63	
23 33 13 19-0232	EA		32" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.70	34.39
			<i>For Dynamic Damper, Add</i>	154.74	
			<i>For 3 Hour Rated, Add</i>	85.97	
23 33 13 19-0233	EA		32" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	403.72	36.59
			<i>For Dynamic Damper, Add</i>	158.59	
			<i>For 3 Hour Rated, Add</i>	88.11	
23 33 13 19-0234	EA		32" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	423.77	41.26
			<i>For Dynamic Damper, Add</i>	161.99	
			<i>For 3 Hour Rated, Add</i>	90.00	
23 33 13 19-0235	EA		32" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	446.48	45.80
			<i>For Dynamic Damper, Add</i>	166.83	
			<i>For 3 Hour Rated, Add</i>	92.69	
23 33 13 19-0236	EA		32" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	469.21	50.33
			<i>For Dynamic Damper, Add</i>	171.68	
			<i>For 3 Hour Rated, Add</i>	95.38	
23 33 13 19-0237	EA		32" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	489.50	52.68
			<i>For Dynamic Damper, Add</i>	178.92	
			<i>For 3 Hour Rated, Add</i>	99.40	
23 33 13 19-0238	EA		32" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	516.17	56.39
			<i>For Dynamic Damper, Add</i>	187.39	
			<i>For 3 Hour Rated, Add</i>	104.10	
23 33 13 19-0239	EA		32" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	543.70	59.55
			<i>For Dynamic Damper, Add</i>	197.05	
			<i>For 3 Hour Rated, Add</i>	109.47	
23 33 13 19-0240	EA		36" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	377.56	29.71
			<i>For Dynamic Damper, Add</i>	155.61	
			<i>For 3 Hour Rated, Add</i>	86.45	
23 33 13 19-0241	EA		36" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	389.12	32.05
			<i>For Dynamic Damper, Add</i>	158.14	
			<i>For 3 Hour Rated, Add</i>	87.86	
23 33 13 19-0242	EA		36" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	400.67	34.39
			<i>For Dynamic Damper, Add</i>	160.66	
			<i>For 3 Hour Rated, Add</i>	89.26	
23 33 13 19-0243	EA		36" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	414.60	36.59
			<i>For Dynamic Damper, Add</i>	164.47	
			<i>For 3 Hour Rated, Add</i>	91.37	
23 33 13 19-0244	EA		36" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	431.88	41.26
			<i>For Dynamic Damper, Add</i>	166.37	
			<i>For 3 Hour Rated, Add</i>	92.43	
23 33 13 19-0245	EA		36" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	442.28	43.46
			<i>For Dynamic Damper, Add</i>	168.27	
			<i>For 3 Hour Rated, Add</i>	93.49	
23 33 13 19-0246	EA		36" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	474.63	50.33
			<i>For Dynamic Damper, Add</i>	174.60	
			<i>For 3 Hour Rated, Add</i>	97.00	
23 33 13 19-0247	EA		36" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	500.09	55.02
			<i>For Dynamic Damper, Add</i>	180.93	
			<i>For 3 Hour Rated, Add</i>	100.52	
23 33 13 19-0248	EA		36" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.67	56.80
			<i>For Dynamic Damper, Add</i>	188.53	
			<i>For 3 Hour Rated, Add</i>	104.74	
23 33 13 19-0249	EA		36" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	550.79	60.93
			<i>For Dynamic Damper, Add</i>	198.65	
			<i>For 3 Hour Rated, Add</i>	110.36	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0250	EA		36" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	576.83	64.09
			<i>For Dynamic Damper, Add</i>	207.52	
			<i>For 3 Hour Rated, Add</i>	115.29	
23 33 13 19-0251	EA		36" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	602.47	66.42
			<i>For Dynamic Damper, Add</i>	217.65	
			<i>For 3 Hour Rated, Add</i>	120.92	
23 33 13 19-0252	EA		40" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	435.67	34.39
			<i>For Dynamic Damper, Add</i>	183.28	
			<i>For 3 Hour Rated, Add</i>	101.82	
23 33 13 19-0253	EA		40" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	451.92	36.59
			<i>For Dynamic Damper, Add</i>	188.34	
			<i>For 3 Hour Rated, Add</i>	104.63	
23 33 13 19-0254	EA		40" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.15	38.93
			<i>For Dynamic Damper, Add</i>	189.60	
			<i>For 3 Hour Rated, Add</i>	105.34	
23 33 13 19-0255	EA		40" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	470.37	41.26
			<i>For Dynamic Damper, Add</i>	190.87	
			<i>For 3 Hour Rated, Add</i>	106.04	
23 33 13 19-0256	EA		40" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	492.34	43.46
			<i>For Dynamic Damper, Add</i>	195.31	
			<i>For 3 Hour Rated, Add</i>	108.50	
23 33 13 19-0257	EA		40" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	507.43	45.80
			<i>For Dynamic Damper, Add</i>	199.75	
			<i>For 3 Hour Rated, Add</i>	110.97	
23 33 13 19-0258	EA		40" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	537.44	52.68
			<i>For Dynamic Damper, Add</i>	204.81	
			<i>For 3 Hour Rated, Add</i>	113.78	
23 33 13 19-0259	EA		40" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	560.58	57.21
			<i>For Dynamic Damper, Add</i>	209.88	
			<i>For 3 Hour Rated, Add</i>	116.60	
23 33 13 19-0260	EA		40" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	585.64	60.93
			<i>For Dynamic Damper, Add</i>	217.47	
			<i>For 3 Hour Rated, Add</i>	120.82	
23 33 13 19-0261	EA		40" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	621.05	64.09
			<i>For Dynamic Damper, Add</i>	231.40	
			<i>For 3 Hour Rated, Add</i>	128.55	
23 33 13 19-0262	EA		40" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	646.11	67.81
			<i>For Dynamic Damper, Add</i>	238.98	
			<i>For 3 Hour Rated, Add</i>	132.77	
23 33 13 19-0263	EA		40" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	677.41	69.59
			<i>For Dynamic Damper, Add</i>	252.91	
			<i>For 3 Hour Rated, Add</i>	140.51	
23 33 13 19-0264	EA		40" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	711.87	73.30
			<i>For Dynamic Damper, Add</i>	265.58	
			<i>For 3 Hour Rated, Add</i>	147.55	
23 33 13 19-0265	EA		44" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	447.24	34.39
			<i>For Dynamic Damper, Add</i>	185.81	
			<i>For 3 Hour Rated, Add</i>	103.23	
23 33 13 19-0266	EA		44" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	463.50	36.59
			<i>For Dynamic Damper, Add</i>	190.87	
			<i>For 3 Hour Rated, Add</i>	106.04	
23 33 13 19-0267	EA		44" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	477.42	38.93
			<i>For Dynamic Damper, Add</i>	194.68	
			<i>For 3 Hour Rated, Add</i>	108.16	
23 33 13 19-0268	EA		44" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	486.65	41.26
			<i>For Dynamic Damper, Add</i>	195.95	
			<i>For 3 Hour Rated, Add</i>	108.86	
23 33 13 19-0269	EA		44" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	502.90	43.46
			<i>For Dynamic Damper, Add</i>	201.01	
			<i>For 3 Hour Rated, Add</i>	111.67	
23 33 13 19-0270	EA		44" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	519.15	45.80
			<i>For Dynamic Damper, Add</i>	206.07	
			<i>For 3 Hour Rated, Add</i>	114.49	
23 33 13 19-0271	EA		44" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	558.39	55.02
			<i>For Dynamic Damper, Add</i>	212.41	
			<i>For 3 Hour Rated, Add</i>	118.01	
23 33 13 19-0272	EA		44" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	583.85	59.55
			<i>For Dynamic Damper, Add</i>	218.73	
			<i>For 3 Hour Rated, Add</i>	121.52	
23 33 13 19-0273	EA		44" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	621.05	64.09
			<i>For Dynamic Damper, Add</i>	231.40	
			<i>For 3 Hour Rated, Add</i>	128.55	
23 33 13 19-0274	EA		44" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	655.92	68.76
			<i>For Dynamic Damper, Add</i>	242.79	
			<i>For 3 Hour Rated, Add</i>	134.89	
23 33 13 19-0275	EA		44" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	693.09	73.30
			<i>For Dynamic Damper, Add</i>	255.44	
			<i>For 3 Hour Rated, Add</i>	141.91	
23 33 13 19-0276	EA		44" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	721.08	75.50
			<i>For Dynamic Damper, Add</i>	266.84	
			<i>For 3 Hour Rated, Add</i>	148.25	
23 33 13 19-0277	EA		44" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	749.07	77.84
			<i>For Dynamic Damper, Add</i>	278.24	
			<i>For 3 Hour Rated, Add</i>	154.58	
23 33 13 19-0278	EA		44" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	777.05	80.18
			<i>For Dynamic Damper, Add</i>	289.64	
			<i>For 3 Hour Rated, Add</i>	160.91	
23 33 13 19-0279	EA		48" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated	461.15	36.59
			<i>For Dynamic Damper, Add</i>	189.60	
			<i>For 3 Hour Rated, Add</i>	105.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0280	EA		48" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	477.42 194.68 108.16	38.93
23 33 13 19-0281	EA		48" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	486.65 195.95 108.86	41.26
23 33 13 19-0282	EA		48" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	507.43 199.75 110.97	45.80
23 33 13 19-0283	EA		48" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	530.56 204.81 113.78	50.33
23 33 13 19-0284	EA		48" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	553.70 209.88 116.60	55.02
23 33 13 19-0285	EA		48" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	581.51 217.47 120.82	59.55
23 33 13 19-0286	EA		48" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	609.31 225.06 125.03	64.09
23 33 13 19-0287	EA		48" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	644.18 236.46 131.36	68.76
23 33 13 19-0288	EA		48" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	683.72 250.38 139.10	73.30
23 33 13 19-0289	EA		48" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	711.72 261.79 145.44	75.50
23 33 13 19-0290	EA		48" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	746.72 276.97 153.87	77.84
23 33 13 19-0291	EA		48" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	781.58 288.37 160.21	82.38
23 33 13 19-0292	EA		48" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	816.59 303.56 168.65	84.72
23 33 13 19-0293	EA		48" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	855.99 313.70 174.28	91.60
23 33 13 19-0294	EA		52" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	475.08 193.42 107.45	38.93
23 33 13 19-0295	EA		52" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	491.33 198.48 110.27	41.26
23 33 13 19-0296	EA		52" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	514.45 203.54 113.08	45.80
23 33 13 19-0297	EA		52" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	530.56 204.81 113.78	50.33
23 33 13 19-0298	EA		52" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	554.87 210.51 116.95	55.02
23 33 13 19-0299	EA		52" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	579.17 216.21 120.11	59.55
23 33 13 19-0300	EA		52" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	606.98 223.80 124.33	64.09
23 33 13 19-0301	EA		52" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	634.81 231.40 128.55	68.76
23 33 13 19-0302	EA		52" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	669.67 242.79 134.89	73.30
23 33 13 19-0303	EA		52" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	711.55 257.98 143.32	77.84
23 33 13 19-0304	EA		52" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	741.86 270.64 150.35	80.18
23 33 13 19-0305	EA		52" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	779.23 287.10 159.50	82.38
23 33 13 19-0306	EA		52" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	821.10 302.29 167.94	87.06
23 33 13 19-0307	EA		52" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	855.99 313.70 174.28	91.60
23 33 13 19-0308	EA		52" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	904.74 328.89 182.72	98.47
23 33 13 19-0309	EA		52" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	941.95 341.56 189.75	103.01



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0310	EA		56" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	486.65 195.95 108.86	41.26
23 33 13 19-0311	EA		56" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	512.10 202.27 112.37	45.80
23 33 13 19-0312	EA		56" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	532.91 206.07 114.49	50.33
23 33 13 19-0313	EA		56" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	548.99 207.33 115.19	55.02
23 33 13 19-0314	EA		56" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	575.65 214.30 119.06	59.55
23 33 13 19-0315	EA		56" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	602.29 221.27 122.93	64.09
23 33 13 19-0316	EA		56" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	628.94 228.23 126.79	68.76
23 33 13 19-0317	EA		56" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	655.59 235.19 130.66	73.30
23 33 13 19-0318	EA		56" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	697.48 250.38 139.10	77.84
23 33 13 19-0319	EA		56" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	732.50 265.58 147.55	80.18
23 33 13 19-0320	EA		56" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	765.17 279.51 155.28	82.38
23 33 13 19-0321	EA		56" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	811.74 297.23 165.13	87.06
23 33 13 19-0322	EA		56" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	853.64 312.43 173.57	91.60
23 33 13 19-0323	EA		56" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	897.87 328.89 182.72	96.13
23 33 13 19-0324	EA		56" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	935.08 341.56 189.75	100.81
23 33 13 19-0325	EA		56" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	979.31 358.01 198.90	105.35
23 33 13 19-0326	EA		56" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	1,023.55 374.47 208.04	109.89
23 33 13 19-0327	EA		60" x 6" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	507.43 199.75 110.97	45.80
23 33 13 19-0328	EA		60" x 8" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	532.91 206.07 114.49	50.33
23 33 13 19-0329	EA		60" x 10" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	551.33 208.60 115.89	55.02
23 33 13 19-0330	EA		60" x 12" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	567.45 209.88 116.60	59.55
23 33 13 19-0331	EA		60" x 14" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	595.26 217.47 120.82	64.09
23 33 13 19-0332	EA		60" x 16" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	623.07 225.06 125.03	68.76
23 33 13 19-0333	EA		60" x 18" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	652.07 233.29 129.61	73.30
23 33 13 19-0334	EA		60" x 20" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	681.07 241.52 134.18	77.84
23 33 13 19-0335	EA		60" x 24" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	718.42 257.98 143.32	80.18
23 33 13 19-0336	EA		60" x 28" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	753.43 273.17 151.76	82.38
23 33 13 19-0337	EA		60" x 32" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	797.68 289.64 160.91	87.06
23 33 13 19-0338	EA		60" x 36" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	841.92 306.10 170.06	91.60
23 33 13 19-0339	EA		60" x 40" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated ..... For Dynamic Damper, Add For 3 Hour Rated, Add	879.11 318.76 177.09	96.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 19-0340	EA		60" x 44" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	930.36 339.01 188.34	100.81
23 33 13 19-0341	EA		60" x 48" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	976.94 356.73 198.19	105.35
23 33 13 19-0342	EA		60" x 52" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,023.55 374.47 208.04	109.89
23 33 13 19-0343	EA		60" x 56" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,065.40 389.65 216.47	114.56
23 33 13 19-0344	EA		60" x 60" Louver Type Smoke Damper, Steel Construction, UL Listed, 1-1/2 Hour Rated <i>For Dynamic Damper, Add</i> <i>For 3 Hour Rated, Add</i>	1,107.32 404.85 224.92	119.10

**23 33 13 23 Backdraft Dampers (23 33 13)**

**23 33 13 23-0001 Horizontally Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Exclude motor pack.

23 33 13 23-0002	EA		6" x 6" Horizontally Mounted Backdraft Damper	110.65	15.26
23 33 13 23-0003	EA		8" x 6" Horizontally Mounted Backdraft Damper	134.30	15.96
23 33 13 23-0004	EA		8" x 8" Horizontally Mounted Backdraft Damper	163.40	16.09
23 33 13 23-0005	EA		10" x 6" Horizontally Mounted Backdraft Damper	156.21	16.50
23 33 13 23-0006	EA		10" x 8" Horizontally Mounted Backdraft Damper	148.99	18.29
23 33 13 23-0007	EA		10" x 10" Horizontally Mounted Backdraft Damper	179.37	16.50
23 33 13 23-0008	EA		12" x 6" Horizontally Mounted Backdraft Damper	139.05	17.40
23 33 13 23-0009	EA		12" x 8" Horizontally Mounted Backdraft Damper	174.40	19.26
23 33 13 23-0010	EA		12" x 10" Horizontally Mounted Backdraft Damper	166.43	20.63
23 33 13 23-0011	EA		12" x 12" Horizontally Mounted Backdraft Damper	192.30	17.47
23 33 13 23-0012	EA		14" x 6" Horizontally Mounted Backdraft Damper	156.72	19.26
23 33 13 23-0013	EA		14" x 8" Horizontally Mounted Backdraft Damper	159.18	20.63
23 33 13 23-0014	EA		14" x 10" Horizontally Mounted Backdraft Damper	188.69	22.97
23 33 13 23-0015	EA		14" x 12" Horizontally Mounted Backdraft Damper	166.30	25.17
23 33 13 23-0016	EA		14" x 14" Horizontally Mounted Backdraft Damper	189.44	18.29
23 33 13 23-0017	EA		16" x 6" Horizontally Mounted Backdraft Damper	174.40	20.63
23 33 13 23-0018	EA		16" x 8" Horizontally Mounted Backdraft Damper	177.80	22.97
23 33 13 23-0019	EA		16" x 10" Horizontally Mounted Backdraft Damper	161.66	22.97
23 33 13 23-0020	EA		16" x 12" Horizontally Mounted Backdraft Damper	180.22	205.70
23 33 13 23-0021	EA		16" x 14" Horizontally Mounted Backdraft Damper	205.70	231.14
23 33 13 23-0022	EA		16" x 16" Horizontally Mounted Backdraft Damper	231.14	155.58
23 33 13 23-0023	EA		18" x 6" Horizontally Mounted Backdraft Damper	155.58	145.47
23 33 13 23-0024	EA		18" x 8" Horizontally Mounted Backdraft Damper	145.47	173.25
23 33 13 23-0025	EA		18" x 10" Horizontally Mounted Backdraft Damper	173.25	201.03
23 33 13 23-0026	EA		18" x 12" Horizontally Mounted Backdraft Damper	201.03	228.80
23 33 13 23-0027	EA		18" x 14" Horizontally Mounted Backdraft Damper	228.80	261.94
23 33 13 23-0028	EA		18" x 16" Horizontally Mounted Backdraft Damper	261.94	297.26
23 33 13 23-0029	EA		18" x 18" Horizontally Mounted Backdraft Damper	297.26	240.84
23 33 13 23-0030	EA		18" x 20" Horizontally Mounted Backdraft Damper	240.84	280.74
23 33 13 23-0031	EA		18" x 24" Horizontally Mounted Backdraft Damper	280.74	170.55
23 33 13 23-0032	EA		20" x 6" Horizontally Mounted Backdraft Damper	170.55	161.66
23 33 13 23-0033	EA		20" x 8" Horizontally Mounted Backdraft Damper	161.66	191.74
23 33 13 23-0034	EA		20" x 10" Horizontally Mounted Backdraft Damper	191.74	221.86
23 33 13 23-0035	EA		20" x 12" Horizontally Mounted Backdraft Damper	221.86	257.15
23 33 13 23-0036	EA		20" x 14" Horizontally Mounted Backdraft Damper	257.15	287.99
23 33 13 23-0037	EA		20" x 16" Horizontally Mounted Backdraft Damper	287.99	240.84
23 33 13 23-0038	EA		20" x 18" Horizontally Mounted Backdraft Damper	240.84	255.37
23 33 13 23-0039	EA		20" x 20" Horizontally Mounted Backdraft Damper	255.37	298.18
23 33 13 23-0040	EA		20" x 24" Horizontally Mounted Backdraft Damper	298.18	340.99
23 33 13 23-0041	EA		20" x 28" Horizontally Mounted Backdraft Damper	340.99	317.38
23 33 13 23-0042	EA		20" x 32" Horizontally Mounted Backdraft Damper	317.38	351.87
23 33 13 23-0043	EA		20" x 36" Horizontally Mounted Backdraft Damper	351.87	152.35
23 33 13 23-0044	EA		24" x 6" Horizontally Mounted Backdraft Damper	152.35	187.10
23 33 13 23-0045	EA		24" x 8" Horizontally Mounted Backdraft Damper	187.10	221.86
23 33 13 23-0046	EA		24" x 10" Horizontally Mounted Backdraft Damper	221.86	261.94
23 33 13 23-0047	EA		24" x 12" Horizontally Mounted Backdraft Damper	261.94	225.23
23 33 13 23-0048	EA		24" x 14" Horizontally Mounted Backdraft Damper	225.23	249.55
23 33 13 23-0049	EA		24" x 16" Horizontally Mounted Backdraft Damper	249.55	280.74
23 33 13 23-0050	EA		24" x 18" Horizontally Mounted Backdraft Damper	280.74	298.18
23 33 13 23-0051	EA		24" x 20" Horizontally Mounted Backdraft Damper	298.18	346.81
23 33 13 23-0052	EA		24" x 24" Horizontally Mounted Backdraft Damper	346.81	325.66
23 33 13 23-0053	EA		24" x 28" Horizontally Mounted Backdraft Damper	325.66	364.34
23 33 13 23-0054	EA		24" x 32" Horizontally Mounted Backdraft Damper	364.34	402.99
23 33 13 23-0055	EA		24" x 36" Horizontally Mounted Backdraft Damper	402.99	391.84
23 33 13 23-0056	EA		24" x 40" Horizontally Mounted Backdraft Damper	391.84	425.53
23 33 13 23-0057	EA		24" x 44" Horizontally Mounted Backdraft Damper	425.53	445.45
23 33 13 23-0058	EA		24" x 48" Horizontally Mounted Backdraft Damper	445.45	166.30
23 33 13 23-0059	EA		28" x 6" Horizontally Mounted Backdraft Damper	166.30	205.70
23 33 13 23-0060	EA		28" x 8" Horizontally Mounted Backdraft Damper	205.70	257.15
23 33 13 23-0061	EA		28" x 10" Horizontally Mounted Backdraft Damper	257.15	225.23
23 33 13 23-0062	EA		28" x 12" Horizontally Mounted Backdraft Damper	225.23	252.46
23 33 13 23-0063	EA		28" x 14" Horizontally Mounted Backdraft Damper	252.46	286.56
23 33 13 23-0064	EA		28" x 16" Horizontally Mounted Backdraft Damper	286.56	320.66
23 33 13 23-0065	EA		28" x 18" Horizontally Mounted Backdraft Damper	320.66	340.99
23 33 13 23-0066	EA		28" x 20" Horizontally Mounted Backdraft Damper	340.99	325.66
23 33 13 23-0067	EA		28" x 24" Horizontally Mounted Backdraft Damper	325.66	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0068	EA	28"	28" x 28" Horizontally Mounted Backdraft Damper	368.50	55.02
23 33 13 23-0069	EA	28"	28" x 32" Horizontally Mounted Backdraft Damper	411.30	59.55
23 33 13 23-0070	EA	28"	28" x 36" Horizontally Mounted Backdraft Damper	415.55	68.76
23 33 13 23-0071	EA	28"	28" x 40" Horizontally Mounted Backdraft Damper	438.81	68.76
23 33 13 23-0072	EA	28"	28" x 44" Horizontally Mounted Backdraft Damper	475.80	73.30
23 33 13 23-0073	EA	28"	28" x 48" Horizontally Mounted Backdraft Damper	512.82	77.84
23 33 13 23-0074	EA	28"	28" x 52" Horizontally Mounted Backdraft Damper	536.08	77.84
23 33 13 23-0075	EA	28"	28" x 56" Horizontally Mounted Backdraft Damper	532.39	82.38
23 33 13 23-0076	EA	28"	28" x 60" Horizontally Mounted Backdraft Damper	552.71	82.38
23 33 13 23-0077	EA	32"	32" x 6" Horizontally Mounted Backdraft Damper	187.10	25.17
23 33 13 23-0078	EA	32"	32" x 8" Horizontally Mounted Backdraft Damper	242.77	29.71
23 33 13 23-0079	EA	32"	32" x 10" Horizontally Mounted Backdraft Damper	287.99	32.05
23 33 13 23-0080	EA	32"	32" x 12" Horizontally Mounted Backdraft Damper	249.55	36.59
23 33 13 23-0081	EA	32"	32" x 14" Horizontally Mounted Backdraft Damper	286.56	41.26
23 33 13 23-0082	EA	32"	32" x 16" Horizontally Mounted Backdraft Damper	323.55	45.80
23 33 13 23-0083	EA	32"	32" x 18" Horizontally Mounted Backdraft Damper	287.00	45.80
23 33 13 23-0084	EA	32"	32" x 20" Horizontally Mounted Backdraft Damper	317.38	50.33
23 33 13 23-0085	EA	32"	32" x 24" Horizontally Mounted Backdraft Damper	364.34	55.02
23 33 13 23-0086	EA	32"	32" x 28" Horizontally Mounted Backdraft Damper	411.30	59.55
23 33 13 23-0087	EA	32"	32" x 32" Horizontally Mounted Backdraft Damper	418.89	68.76
23 33 13 23-0088	EA	32"	32" x 36" Horizontally Mounted Backdraft Damper	445.45	68.76
23 33 13 23-0089	EA	32"	32" x 40" Horizontally Mounted Backdraft Damper	485.77	73.30
23 33 13 23-0090	EA	32"	32" x 44" Horizontally Mounted Backdraft Damper	526.10	77.84
23 33 13 23-0091	EA	32"	32" x 48" Horizontally Mounted Backdraft Damper	526.57	82.38
23 33 13 23-0092	EA	32"	32" x 52" Horizontally Mounted Backdraft Damper	549.83	82.38
23 33 13 23-0093	EA	32"	32" x 56" Horizontally Mounted Backdraft Damper	586.81	87.06
23 33 13 23-0094	EA	32"	32" x 60" Horizontally Mounted Backdraft Damper	610.08	87.06
23 33 13 23-0095	EA	32"	32" x 64" Horizontally Mounted Backdraft Damper	593.93	91.60
23 33 13 23-0096	EA	32"	32" x 68" Horizontally Mounted Backdraft Damper	613.86	91.60
23 33 13 23-0097	EA	32"	32" x 72" Horizontally Mounted Backdraft Damper	647.54	96.13
23 33 13 23-0098	EA	36"	36" x 6" Horizontally Mounted Backdraft Damper	201.03	25.17
23 33 13 23-0099	EA	36"	36" x 8" Horizontally Mounted Backdraft Damper	268.82	32.05
23 33 13 23-0100	EA	36"	36" x 10" Horizontally Mounted Backdraft Damper	240.84	36.59
23 33 13 23-0101	EA	36"	36" x 12" Horizontally Mounted Backdraft Damper	280.74	41.26
23 33 13 23-0102	EA	36"	36" x 14" Horizontally Mounted Backdraft Damper	320.66	45.80
23 33 13 23-0103	EA	36"	36" x 16" Horizontally Mounted Backdraft Damper	287.00	45.80
23 33 13 23-0104	EA	36"	36" x 18" Horizontally Mounted Backdraft Damper	319.44	50.33
23 33 13 23-0105	EA	36"	36" x 20" Horizontally Mounted Backdraft Damper	351.87	55.02
23 33 13 23-0106	EA	36"	36" x 24" Horizontally Mounted Backdraft Damper	402.99	59.55
23 33 13 23-0107	EA	36"	36" x 28" Horizontally Mounted Backdraft Damper	415.55	68.76
23 33 13 23-0108	EA	36"	36" x 32" Horizontally Mounted Backdraft Damper	445.45	68.76
23 33 13 23-0109	EA	36"	36" x 36" Horizontally Mounted Backdraft Damper	489.08	73.30
23 33 13 23-0110	EA	36"	36" x 40" Horizontally Mounted Backdraft Damper	532.75	77.84
23 33 13 23-0111	EA	36"	36" x 44" Horizontally Mounted Backdraft Damper	535.27	82.38
23 33 13 23-0112	EA	36"	36" x 48" Horizontally Mounted Backdraft Damper	575.20	87.06
23 33 13 23-0113	EA	36"	36" x 52" Horizontally Mounted Backdraft Damper	601.34	87.06
23 33 13 23-0114	EA	36"	36" x 56" Horizontally Mounted Backdraft Damper	588.96	91.60
23 33 13 23-0115	EA	36"	36" x 60" Horizontally Mounted Backdraft Damper	611.37	91.60
23 33 13 23-0116	EA	36"	36" x 64" Horizontally Mounted Backdraft Damper	647.54	96.13
23 33 13 23-0117	EA	36"	36" x 68" Horizontally Mounted Backdraft Damper	669.95	96.13
23 33 13 23-0118	EA	36"	36" x 72" Horizontally Mounted Backdraft Damper	692.40	96.13
23 33 13 23-0119	EA	40"	40" x 6" Horizontally Mounted Backdraft Damper	221.86	27.51
23 33 13 23-0120	EA	40"	40" x 8" Horizontally Mounted Backdraft Damper	294.87	34.39
23 33 13 23-0121	EA	40"	40" x 10" Horizontally Mounted Backdraft Damper	255.37	36.59
23 33 13 23-0122	EA	40"	40" x 12" Horizontally Mounted Backdraft Damper	298.18	41.26
23 33 13 23-0123	EA	40"	40" x 14" Horizontally Mounted Backdraft Damper	340.99	45.80
23 33 13 23-0124	EA	40"	40" x 16" Horizontally Mounted Backdraft Damper	317.38	50.33
23 33 13 23-0125	EA	40"	40" x 18" Horizontally Mounted Backdraft Damper	351.87	55.02
23 33 13 23-0126	EA	40"	40" x 20" Horizontally Mounted Backdraft Damper	386.37	59.55
23 33 13 23-0127	EA	40"	40" x 24" Horizontally Mounted Backdraft Damper	391.84	64.09
23 33 13 23-0128	EA	40"	40" x 28" Horizontally Mounted Backdraft Damper	438.81	68.76
23 33 13 23-0129	EA	40"	40" x 32" Horizontally Mounted Backdraft Damper	485.77	73.30
23 33 13 23-0130	EA	40"	40" x 36" Horizontally Mounted Backdraft Damper	532.75	77.84
23 33 13 23-0131	EA	40"	40" x 40" Horizontally Mounted Backdraft Damper	538.18	82.38
23 33 13 23-0132	EA	40"	40" x 44" Horizontally Mounted Backdraft Damper	580.99	87.06
23 33 13 23-0133	EA	40"	40" x 48" Horizontally Mounted Backdraft Damper	610.08	87.06
23 33 13 23-0134	EA	40"	40" x 50" Horizontally Mounted Backdraft Damper	586.47	91.60
23 33 13 23-0135	EA	44"	44" x 6" Horizontally Mounted Backdraft Damper	247.56	29.71
23 33 13 23-0136	EA	44"	44" x 8" Horizontally Mounted Backdraft Damper	237.93	36.59
23 33 13 23-0137	EA	44"	44" x 10" Horizontally Mounted Backdraft Damper	283.65	41.26
23 33 13 23-0138	EA	44"	44" x 12" Horizontally Mounted Backdraft Damper	329.37	45.80
23 33 13 23-0139	EA	44"	44" x 14" Horizontally Mounted Backdraft Damper	311.13	50.33
23 33 13 23-0140	EA	44"	44" x 16" Horizontally Mounted Backdraft Damper	347.72	55.02
23 33 13 23-0141	EA	44"	44" x 18" Horizontally Mounted Backdraft Damper	370.56	55.02
23 33 13 23-0142	EA	44"	44" x 20" Horizontally Mounted Backdraft Damper	407.15	59.55
23 33 13 23-0143	EA	44"	44" x 24" Horizontally Mounted Backdraft Damper	425.53	68.76
23 33 13 23-0144	EA	44"	44" x 28" Horizontally Mounted Backdraft Damper	475.80	73.30
23 33 13 23-0145	EA	44"	44" x 32" Horizontally Mounted Backdraft Damper	526.10	77.84
23 33 13 23-0146	EA	44"	44" x 36" Horizontally Mounted Backdraft Damper	535.27	82.38
23 33 13 23-0147	EA	44"	44" x 40" Horizontally Mounted Backdraft Damper	580.99	87.06
23 33 13 23-0148	EA	44"	44" x 44" Horizontally Mounted Backdraft Damper	612.96	87.06
23 33 13 23-0149	EA	44"	44" x 48" Horizontally Mounted Backdraft Damper	603.91	91.60
23 33 13 23-0150	EA	44"	44" x 50" Horizontally Mounted Backdraft Damper	617.59	91.60
23 33 13 23-0151	EA	48"	48" x 6" Horizontally Mounted Backdraft Damper	268.82	32.05
23 33 13 23-0152	EA	48"	48" x 8" Horizontally Mounted Backdraft Damper	249.55	36.59

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0153	EA		48" x 10" Horizontally Mounted Backdraft Damper.....	298.18	41.26
23 33 13 23-0154	EA		48" x 12" Horizontally Mounted Backdraft Damper.....	287.00	45.80
23 33 13 23-0155	EA		48" x 14" Horizontally Mounted Backdraft Damper.....	325.66	50.33
23 33 13 23-0156	EA		48" x 16" Horizontally Mounted Backdraft Damper.....	364.34	55.02
23 33 13 23-0157	EA		48" x 18" Horizontally Mounted Backdraft Damper.....	402.99	59.55
23 33 13 23-0158	EA		48" x 20" Horizontally Mounted Backdraft Damper.....	391.84	64.09
23 33 13 23-0159	EA		48" x 24" Horizontally Mounted Backdraft Damper.....	445.45	68.76
23 33 13 23-0160	EA		48" x 28" Horizontally Mounted Backdraft Damper.....	512.82	77.84
23 33 13 23-0161	EA		48" x 32" Horizontally Mounted Backdraft Damper.....	526.57	82.38
23 33 13 23-0162	EA		48" x 36" Horizontally Mounted Backdraft Damper.....	575.20	87.06
23 33 13 23-0163	EA		48" x 40" Horizontally Mounted Backdraft Damper.....	610.08	87.06
23 33 13 23-0164	EA		48" x 44" Horizontally Mounted Backdraft Damper.....	603.91	91.60
23 33 13 23-0165	EA		48" x 48" Horizontally Mounted Backdraft Damper.....	647.54	96.13
23 33 13 23-0166	EA		48" x 50" Horizontally Mounted Backdraft Damper.....	662.49	96.13
23 33 13 23-0167	EA		50" x 6" Horizontally Mounted Backdraft Damper.....	276.01	32.05
23 33 13 23-0168	EA		50" x 8" Horizontally Mounted Backdraft Damper.....	269.12	41.26
23 33 13 23-0169	EA		50" x 10" Horizontally Mounted Backdraft Damper.....	319.21	45.80
23 33 13 23-0170	EA		50" x 12" Horizontally Mounted Backdraft Damper.....	306.98	50.33
23 33 13 23-0171	EA		50" x 14" Horizontally Mounted Backdraft Damper.....	346.69	55.02
23 33 13 23-0172	EA		50" x 16" Horizontally Mounted Backdraft Damper.....	386.37	59.55
23 33 13 23-0173	EA		50" x 18" Horizontally Mounted Backdraft Damper.....	426.08	64.09
23 33 13 23-0174	EA		50" x 20" Horizontally Mounted Backdraft Damper.....	413.88	68.76
23 33 13 23-0175	EA		50" x 24" Horizontally Mounted Backdraft Damper.....	469.15	73.30
23 33 13 23-0176	EA		50" x 28" Horizontally Mounted Backdraft Damper.....	524.43	77.84
23 33 13 23-0177	EA		50" x 32" Horizontally Mounted Backdraft Damper.....	538.18	82.38
23 33 13 23-0178	EA		50" x 36" Horizontally Mounted Backdraft Damper.....	588.27	87.06
23 33 13 23-0179	EA		50" x 40" Horizontally Mounted Backdraft Damper.....	586.47	91.60
23 33 13 23-0180	EA		50" x 44" Horizontally Mounted Backdraft Damper.....	617.59	91.60
23 33 13 23-0181	EA		50" x 48" Horizontally Mounted Backdraft Damper.....	662.49	96.13
23 33 13 23-0182	EA		50" x 50" Horizontally Mounted Backdraft Damper.....	678.05	96.13

**23 33 13 23-0183**

**Vertically Mounted Backdraft Damper (23 33 13 23)**

Note: Galvanized steel frame, aluminum blades. Excludes motor pack.

23 33 13 23-0184	EA		6" x 6" Vertically Mounted Backdraft Damper.....	120.47	15.26
23 33 13 23-0185	EA		8" x 6" Vertically Mounted Backdraft Damper.....	147.43	15.96
23 33 13 23-0186	EA		10" x 6" Vertically Mounted Backdraft Damper.....	151.87	16.09
23 33 13 23-0187	EA		8" x 8" Vertically Mounted Backdraft Damper.....	158.78	16.09
23 33 13 23-0188	EA		12" x 6" Vertically Mounted Backdraft Damper.....	173.99	16.50
23 33 13 23-0189	EA		10" x 8" Vertically Mounted Backdraft Damper.....	193.33	18.29
23 33 13 23-0190	EA		14" x 6" Vertically Mounted Backdraft Damper.....	194.73	16.50
23 33 13 23-0191	EA		12" x 8" Vertically Mounted Backdraft Damper.....	220.99	18.29
23 33 13 23-0192	EA		16" x 6" Vertically Mounted Backdraft Damper.....	223.73	19.26
23 33 13 23-0193	EA		10" x 10" Vertically Mounted Backdraft Damper.....	234.76	20.63
23 33 13 23-0194	EA		18" x 6" Vertically Mounted Backdraft Damper.....	188.75	17.47
23 33 13 23-0195	EA		14" x 8" Vertically Mounted Backdraft Damper.....	199.31	19.26
23 33 13 23-0196	EA		12" x 10" Vertically Mounted Backdraft Damper.....	213.53	20.63
23 33 13 23-0197	EA		20" x 6" Vertically Mounted Backdraft Damper.....	220.41	22.97
23 33 13 23-0198	EA		16" x 8" Vertically Mounted Backdraft Damper.....	237.39	25.17
23 33 13 23-0199	EA		14" x 10" Vertically Mounted Backdraft Damper.....	231.94	18.29
23 33 13 23-0200	EA		12" x 12" Vertically Mounted Backdraft Damper.....	243.86	20.63
23 33 13 23-0201	EA		18" x 8" Vertically Mounted Backdraft Damper.....	213.62	22.97
23 33 13 23-0202	EA		24" x 6" Vertically Mounted Backdraft Damper.....	213.62	22.97
23 33 13 23-0203	EA		16" x 10" Vertically Mounted Backdraft Damper.....	236.57	25.17
23 33 13 23-0204	EA		20" x 8" Vertically Mounted Backdraft Damper.....	243.45	27.51
23 33 13 23-0205	EA		14" x 12" Vertically Mounted Backdraft Damper.....	226.73	19.26
23 33 13 23-0206	EA		28" x 6" Vertically Mounted Backdraft Damper.....	230.85	20.63
23 33 13 23-0207	EA		18" x 10" Vertically Mounted Backdraft Damper.....	249.80	22.97
23 33 13 23-0208	EA		16" x 12" Vertically Mounted Backdraft Damper.....	268.75	25.17
23 33 13 23-0209	EA		24" x 8" Vertically Mounted Backdraft Damper.....	275.63	27.51
23 33 13 23-0210	EA		32" x 6" Vertically Mounted Backdraft Damper.....	282.50	29.71
23 33 13 23-0211	EA		14" x 14" Vertically Mounted Backdraft Damper.....	300.30	34.39
23 33 13 23-0212	EA		20" x 10" Vertically Mounted Backdraft Damper.....	297.23	36.59
23 33 13 23-0213	EA		18" x 12" Vertically Mounted Backdraft Damper.....	325.96	41.26
23 33 13 23-0214	EA		36" x 6" Vertically Mounted Backdraft Damper.....	264.06	20.63
23 33 13 23-0215	EA		16" x 14" Vertically Mounted Backdraft Damper.....	278.43	22.97
23 33 13 23-0216	EA		28" x 8" Vertically Mounted Backdraft Damper.....	285.31	25.17
23 33 13 23-0217	EA		20" x 12" Vertically Mounted Backdraft Damper.....	307.15	27.51
23 33 13 23-0218	EA		24" x 10" Vertically Mounted Backdraft Damper.....	314.02	29.71
23 33 13 23-0219	EA		40" x 6" Vertically Mounted Backdraft Damper.....	320.90	32.05
23 33 13 23-0220	EA		18" x 14" Vertically Mounted Backdraft Damper.....	345.91	36.59
23 33 13 23-0221	EA		16" x 16" Vertically Mounted Backdraft Damper.....	349.64	36.59
23 33 13 23-0222	EA		32" x 8" Vertically Mounted Backdraft Damper.....	363.39	41.26
23 33 13 23-0223	EA		44" x 6" Vertically Mounted Backdraft Damper.....	384.63	45.80
23 33 13 23-0224	EA		20" x 14" Vertically Mounted Backdraft Damper.....	413.37	50.33
23 33 13 23-0225	EA		28" x 10" Vertically Mounted Backdraft Damper.....	427.12	55.02
23 33 13 23-0226	EA		18" x 16" Vertically Mounted Backdraft Damper.....	338.34	22.97
23 33 13 23-0227	EA		24" x 12" Vertically Mounted Backdraft Damper.....	345.22	25.17
23 33 13 23-0228	EA		36" x 8" Vertically Mounted Backdraft Damper.....	352.10	27.51
23 33 13 23-0229	EA		48" x 6" Vertically Mounted Backdraft Damper.....	358.97	29.71
23 33 13 23-0230	EA		50" x 6" Vertically Mounted Backdraft Damper.....	383.95	34.39
23 33 13 23-0231	EA		20" x 16" Vertically Mounted Backdraft Damper.....	409.54	36.59
23 33 13 23-0232	EA		32" x 10" Vertically Mounted Backdraft Damper.....	423.29	41.26
23 33 13 23-0233	EA		40" x 8" Vertically Mounted Backdraft Damper.....	423.29	41.26
23 33 13 23-0234	EA		18" x 18" Vertically Mounted Backdraft Damper.....	377.14	45.80



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0235	EA		24" x 14" Vertically Mounted Backdraft Damper .....	357.63	50.33
23 33 13 23-0236	EA		28" x 12" Vertically Mounted Backdraft Damper .....	371.38	55.02
23 33 13 23-0237	EA		44" x 8" Vertically Mounted Backdraft Damper .....	394.95	59.55
23 33 13 23-0238	EA		18" x 20" Vertically Mounted Backdraft Damper .....	413.62	64.09
23 33 13 23-0239	EA		20" x 18" Vertically Mounted Backdraft Damper .....	427.38	68.76
23 33 13 23-0240	EA		36" x 10" Vertically Mounted Backdraft Damper .....	427.38	68.76
23 33 13 23-0241	EA		24" x 16" Vertically Mounted Backdraft Damper .....	304.58	22.97
23 33 13 23-0242	EA		32" x 12" Vertically Mounted Backdraft Damper .....	311.46	25.17
23 33 13 23-0243	EA		48" x 8" Vertically Mounted Backdraft Damper .....	325.21	29.71
23 33 13 23-0244	EA		28" x 14" Vertically Mounted Backdraft Damper .....	343.88	34.39
23 33 13 23-0245	EA		20" x 20" Vertically Mounted Backdraft Damper .....	355.68	36.59
23 33 13 23-0246	EA		40" x 10" Vertically Mounted Backdraft Damper .....	369.43	41.26
23 33 13 23-0247	EA		50" x 8" Vertically Mounted Backdraft Damper .....	383.18	45.80
23 33 13 23-0248	EA		18" x 24" Vertically Mounted Backdraft Damper .....	402.83	45.80
23 33 13 23-0249	EA		24" x 18" Vertically Mounted Backdraft Damper .....	416.59	50.33
23 33 13 23-0250	EA		36" x 12" Vertically Mounted Backdraft Damper .....	430.34	55.02
23 33 13 23-0251	EA		44" x 10" Vertically Mounted Backdraft Damper .....	449.00	59.55
23 33 13 23-0252	EA		28" x 16" Vertically Mounted Backdraft Damper .....	481.43	68.76
23 33 13 23-0253	EA		32" x 14" Vertically Mounted Backdraft Damper .....	481.43	68.76
23 33 13 23-0254	EA		20" x 24" Vertically Mounted Backdraft Damper .....	517.29	73.30
23 33 13 23-0255	EA		24" x 20" Vertically Mounted Backdraft Damper .....	485.79	77.84
23 33 13 23-0256	EA		40" x 12" Vertically Mounted Backdraft Damper .....	485.79	77.84
23 33 13 23-0257	EA		48" x 10" Vertically Mounted Backdraft Damper .....	499.54	82.38
23 33 13 23-0258	EA		50" x 10" Vertically Mounted Backdraft Damper .....	510.04	82.38
23 33 13 23-0259	EA		28" x 18" Vertically Mounted Backdraft Damper .....	340.21	25.17
23 33 13 23-0260	EA		36" x 14" Vertically Mounted Backdraft Damper .....	353.96	29.71
23 33 13 23-0261	EA		32" x 16" Vertically Mounted Backdraft Damper .....	365.06	32.05
23 33 13 23-0262	EA		44" x 12" Vertically Mounted Backdraft Damper .....	387.19	36.59
23 33 13 23-0263	EA		20" x 28" Vertically Mounted Backdraft Damper .....	417.74	41.26
23 33 13 23-0264	EA		28" x 20" Vertically Mounted Backdraft Damper .....	431.49	45.80
23 33 13 23-0265	EA		40" x 14" Vertically Mounted Backdraft Damper .....	431.49	45.80
23 33 13 23-0266	EA		24" x 24" Vertically Mounted Backdraft Damper .....	453.65	50.33
23 33 13 23-0267	EA		32" x 18" Vertically Mounted Backdraft Damper .....	467.40	55.02
23 33 13 23-0268	EA		36" x 16" Vertically Mounted Backdraft Damper .....	481.15	59.55
23 33 13 23-0269	EA		48" x 12" Vertically Mounted Backdraft Damper .....	508.66	68.76
23 33 13 23-0270	EA		50" x 12" Vertically Mounted Backdraft Damper .....	521.28	68.76
23 33 13 23-0271	EA		44" x 14" Vertically Mounted Backdraft Damper .....	543.43	73.30
23 33 13 23-0272	EA		20" x 32" Vertically Mounted Backdraft Damper .....	569.78	77.84
23 33 13 23-0273	EA		32" x 20" Vertically Mounted Backdraft Damper .....	583.53	82.38
23 33 13 23-0274	EA		40" x 16" Vertically Mounted Backdraft Damper .....	583.53	82.38
23 33 13 23-0275	EA		36" x 18" Vertically Mounted Backdraft Damper .....	601.46	87.06
23 33 13 23-0276	EA		24" x 28" Vertically Mounted Backdraft Damper .....	616.17	87.06
23 33 13 23-0277	EA		28" x 24" Vertically Mounted Backdraft Damper .....	599.51	91.60
23 33 13 23-0278	EA		48" x 14" Vertically Mounted Backdraft Damper .....	599.51	91.60
23 33 13 23-0279	EA		50" x 14" Vertically Mounted Backdraft Damper .....	626.79	96.13
23 33 13 23-0280	EA		44" x 16" Vertically Mounted Backdraft Damper .....	415.52	25.17
23 33 13 23-0281	EA		20" x 36" Vertically Mounted Backdraft Damper .....	443.89	32.05
23 33 13 23-0282	EA		36" x 20" Vertically Mounted Backdraft Damper .....	457.65	36.59
23 33 13 23-0283	EA		40" x 18" Vertically Mounted Backdraft Damper .....	471.40	41.26
23 33 13 23-0284	EA		24" x 32" Vertically Mounted Backdraft Damper .....	508.32	45.80
23 33 13 23-0285	EA		32" x 24" Vertically Mounted Backdraft Damper .....	508.32	45.80
23 33 13 23-0286	EA		48" x 16" Vertically Mounted Backdraft Damper .....	522.08	50.33
23 33 13 23-0287	EA		28" x 28" Vertically Mounted Backdraft Damper .....	543.56	55.02
23 33 13 23-0288	EA		44" x 18" Vertically Mounted Backdraft Damper .....	561.16	59.55
23 33 13 23-0289	EA		40" x 20" Vertically Mounted Backdraft Damper .....	592.53	68.76
23 33 13 23-0290	EA		50" x 16" Vertically Mounted Backdraft Damper .....	592.53	68.76
23 33 13 23-0291	EA		24" x 36" Vertically Mounted Backdraft Damper .....	637.18	73.30
23 33 13 23-0292	EA		36" x 24" Vertically Mounted Backdraft Damper .....	650.94	77.84
23 33 13 23-0293	EA		48" x 18" Vertically Mounted Backdraft Damper .....	664.69	82.38
23 33 13 23-0294	EA		44" x 20" Vertically Mounted Backdraft Damper .....	686.18	87.06
23 33 13 23-0295	EA		28" x 32" Vertically Mounted Backdraft Damper .....	693.91	87.06
23 33 13 23-0296	EA		32" x 28" Vertically Mounted Backdraft Damper .....	707.67	91.60
23 33 13 23-0297	EA		50" x 18" Vertically Mounted Backdraft Damper .....	709.58	91.60
23 33 13 23-0298	EA		24" x 40" Vertically Mounted Backdraft Damper .....	752.30	96.13
23 33 13 23-0299	EA		40" x 24" Vertically Mounted Backdraft Damper .....	752.30	96.13
23 33 13 23-0300	EA		48" x 20" Vertically Mounted Backdraft Damper .....	752.30	96.13
23 33 13 23-0301	EA		50" x 20" Vertically Mounted Backdraft Damper .....	565.32	27.51
23 33 13 23-0302	EA		28" x 36" Vertically Mounted Backdraft Damper .....	589.80	34.39
23 33 13 23-0303	EA		36" x 28" Vertically Mounted Backdraft Damper .....	596.68	36.59
23 33 13 23-0304	EA		32" x 32" Vertically Mounted Backdraft Damper .....	618.16	41.26
23 33 13 23-0305	EA		24" x 44" Vertically Mounted Backdraft Damper .....	592.24	45.80
23 33 13 23-0306	EA		44" x 24" Vertically Mounted Backdraft Damper .....	606.00	50.33
23 33 13 23-0307	EA		28" x 40" Vertically Mounted Backdraft Damper .....	647.29	55.02
23 33 13 23-0308	EA		40" x 28" Vertically Mounted Backdraft Damper .....	661.04	59.55
23 33 13 23-0309	EA		24" x 48" Vertically Mounted Backdraft Damper .....	688.59	64.09
23 33 13 23-0310	EA		32" x 36" Vertically Mounted Backdraft Damper .....	702.35	68.76
23 33 13 23-0311	EA		36" x 32" Vertically Mounted Backdraft Damper .....	716.10	73.30
23 33 13 23-0312	EA		48" x 24" Vertically Mounted Backdraft Damper .....	729.86	77.84
23 33 13 23-0313	EA		50" x 24" Vertically Mounted Backdraft Damper .....	764.27	82.38
23 33 13 23-0314	EA		28" x 44" Vertically Mounted Backdraft Damper .....	791.79	87.06
23 33 13 23-0315	EA		44" x 28" Vertically Mounted Backdraft Damper .....	791.79	87.06
23 33 13 23-0316	EA		32" x 40" Vertically Mounted Backdraft Damper .....	826.23	91.60
23 33 13 23-0317	EA		40" x 32" Vertically Mounted Backdraft Damper .....	640.55	29.71
23 33 13 23-0318	EA		36" x 36" Vertically Mounted Backdraft Damper .....	668.08	36.59
23 33 13 23-0319	EA		28" x 48" Vertically Mounted Backdraft Damper .....	702.48	41.26



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 13 23-0320	EA		48" x 28" Vertically Mounted Backdraft Damper .....	716.23	45.80
23 33 13 23-0321	EA		50" x 28" Vertically Mounted Backdraft Damper .....	754.10	50.33
23 33 13 23-0322	EA		32" x 44" Vertically Mounted Backdraft Damper .....	771.31	55.02
23 33 13 23-0323	EA		44" x 32" Vertically Mounted Backdraft Damper .....	771.31	55.02
23 33 13 23-0324	EA		36" x 40" Vertically Mounted Backdraft Damper .....	800.56	59.55
23 33 13 23-0325	EA		40" x 36" Vertically Mounted Backdraft Damper .....	764.35	68.76
23 33 13 23-0326	EA		28" x 52" Vertically Mounted Backdraft Damper .....	784.28	73.30
23 33 13 23-0327	EA		32" x 48" Vertically Mounted Backdraft Damper .....	829.04	77.84
23 33 13 23-0328	EA		48" x 32" Vertically Mounted Backdraft Damper .....	842.79	82.38
23 33 13 23-0329	EA		28" x 56" Vertically Mounted Backdraft Damper .....	868.95	87.06
23 33 13 23-0330	EA		36" x 44" Vertically Mounted Backdraft Damper .....	875.16	87.06
23 33 13 23-0331	EA		44" x 36" Vertically Mounted Backdraft Damper .....	888.92	91.60
23 33 13 23-0332	EA		40" x 40" Vertically Mounted Backdraft Damper .....	895.11	91.60
23 33 13 23-0333	EA		50" x 32" Vertically Mounted Backdraft Damper .....	716.31	32.05
23 33 13 23-0334	EA		32" x 52" Vertically Mounted Backdraft Damper .....	754.88	36.59
23 33 13 23-0335	EA		28" x 60" Vertically Mounted Backdraft Damper .....	774.82	41.26
23 33 13 23-0336	EA		36" x 48" Vertically Mounted Backdraft Damper .....	807.19	45.80
23 33 13 23-0337	EA		48" x 36" Vertically Mounted Backdraft Damper .....	820.95	50.33
23 33 13 23-0338	EA		40" x 44" Vertically Mounted Backdraft Damper .....	847.11	55.02
23 33 13 23-0339	EA		44" x 40" Vertically Mounted Backdraft Damper .....	860.86	59.55
23 33 13 23-0340	EA		32" x 56" Vertically Mounted Backdraft Damper .....	886.98	64.09
23 33 13 23-0341	EA		50" x 36" Vertically Mounted Backdraft Damper .....	826.34	68.76
23 33 13 23-0342	EA		36" x 52" Vertically Mounted Backdraft Damper .....	878.66	77.84
23 33 13 23-0343	EA		32" x 60" Vertically Mounted Backdraft Damper .....	908.94	82.38
23 33 13 23-0344	EA		40" x 48" Vertically Mounted Backdraft Damper .....	922.69	87.06
23 33 13 23-0345	EA		48" x 40" Vertically Mounted Backdraft Damper .....	922.69	87.06
23 33 13 23-0346	EA		44" x 44" Vertically Mounted Backdraft Damper .....	941.97	91.60
23 33 13 23-0347	EA		40" x 50" Vertically Mounted Backdraft Damper .....	977.77	96.13
23 33 13 23-0348	EA		50" x 40" Vertically Mounted Backdraft Damper .....	977.77	96.13
23 33 13 23-0349	EA		36" x 56" Vertically Mounted Backdraft Damper .....	790.71	32.05
23 33 13 23-0350	EA		32" x 64" Vertically Mounted Backdraft Damper .....	829.26	41.26
23 33 13 23-0351	EA		44" x 48" Vertically Mounted Backdraft Damper .....	865.06	45.80
23 33 13 23-0352	EA		48" x 44" Vertically Mounted Backdraft Damper .....	878.82	50.33
23 33 13 23-0353	EA		36" x 60" Vertically Mounted Backdraft Damper .....	909.10	55.02
23 33 13 23-0354	EA		32" x 68" Vertically Mounted Backdraft Damper .....	928.37	59.55
23 33 13 23-0355	EA		44" x 50" Vertically Mounted Backdraft Damper .....	855.65	64.09
23 33 13 23-0356	EA		50" x 44" Vertically Mounted Backdraft Damper .....	869.41	68.76
23 33 13 23-0357	EA		32" x 72" Vertically Mounted Backdraft Damper .....	914.49	73.30
23 33 13 23-0358	EA		36" x 64" Vertically Mounted Backdraft Damper .....	928.25	77.84
23 33 13 23-0359	EA		48" x 48" Vertically Mounted Backdraft Damper .....	942.00	82.38
23 33 13 23-0360	EA		48" x 50" Vertically Mounted Backdraft Damper .....	984.69	87.06
23 33 13 23-0361	EA		50" x 48" Vertically Mounted Backdraft Damper .....	998.45	91.60
23 33 13 23-0362	EA		36" x 68" Vertically Mounted Backdraft Damper .....	1,012.92	91.60
23 33 13 23-0363	EA		50" x 50" Vertically Mounted Backdraft Damper .....	1,042.35	96.13
23 33 13 23-0364	EA		36" x 72" Vertically Mounted Backdraft Damper .....	1,070.07	96.13
<b>23 33 13 23-0365 Backdraft Damper Accessories (23 33 13 23)</b>					
23 33 13 23-0366	EA		For Motor Pack For Horizontally Mounted Backdraft Damper .....	298.63	38.61
23 33 13 23-0367	EA		For Motor Pack For Vertically Mounted Backdraft Damper .....	501.84	38.61
<b>23 33 13 33 Splitter Damper Hardware (23 33 13)</b>					
23 33 13 33-0001	EA		Splitter Damper, Hardware .....	47.94	9.61
<b>23 33 13 43 Blower Check Valve (23 33 13)</b>					
<b>23 33 13 43-0001 Blower Check Valves With Silicone Seals (23 33 13 43)</b>					
23 33 13 43-0002	EA		2-1/2" Blower Check Valves, Silicone Seals .....	294.63	35.49
23 33 13 43-0003	EA		3" Blower Check Valves, Silicone Seals .....	329.07	40.44
23 33 13 43-0004	EA		4" Blower Check Valves, Silicone Seals .....	422.87	53.63
23 33 13 43-0005	EA		5" Blower Check Valves, Silicone Seals .....	582.86	61.88
23 33 13 43-0006	EA		6" Blower Check Valves, Silicone Seals .....	653.65	74.27
23 33 13 43-0007	EA		8" Blower Check Valves, Silicone Seals .....	972.30	94.07
<b>23 33 13 43-0008 Blower Check Valves With Viton Seats (23 33 13 43)</b>					
23 33 13 43-0009	EA		2-1/2" Blower Check Valves, Viton Seats .....	405.83	35.49
23 33 13 43-0010	EA		3" Blower Check Valves, Viton Seats .....	461.23	40.44
23 33 13 43-0011	EA		4" Blower Check Valves, Viton Seats .....	514.89	53.63
23 33 13 43-0012	EA		5" Blower Check Valves, Viton Seats .....	720.62	61.88
23 33 13 43-0013	EA		6" Blower Check Valves, Viton Seats .....	805.72	74.27
23 33 13 43-0014	EA		8" Blower Check Valves, Viton Seats .....	1,241.32	94.07
<b>23 33 19 Duct Silencers (23 33)</b>					
<b>23 33 19 00-0001 36" Long Packaged Duct Sound Trap (23 33 19)</b>					
23 33 19 00-0002	EA		12" x 12" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	408.12	56.27
23 33 19 00-0003	EA		12" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	490.28	64.49
23 33 19 00-0004	EA		12" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	634.71	74.10
23 33 19 00-0005	EA		12" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	771.00	83.71
23 33 19 00-0006	EA		24" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	714.29	83.71
23 33 19 00-0007	EA		24" x 24" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator .....	910.24	87.83

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 33 Air Duct Accessories**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 33 19 00-0008	EA	24" x 30" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,005.05	93.31
23 33 19 00-0009	EA	24" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,102.62	98.80
23 33 19 00-0010	EA	24" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,443.68	112.53
23 33 19 00-0011	EA	36" x 18" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	904.92	93.31
23 33 19 00-0012	EA	36" x 36" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,220.07	112.53
23 33 19 00-0013	EA	36" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,154.39	150.96
23 33 19 00-0014	EA	36" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,382.20	159.19
23 33 19 00-0015	EA	48" x 48" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,658.58	171.54
23 33 19 00-0016	EA	48" x 60" x 36" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,984.62	186.63

**23 33 19 00-0017 60" Long Packaged Duct Sound Trap (23 33 19)**

23 33 19 00-0018	EA	12" x 12" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	455.61	123.51
23 33 19 00-0019	EA	12" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	548.92	142.72
23 33 19 00-0020	EA	12" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	712.40	164.68
23 33 19 00-0021	EA	12" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	865.50	185.26
23 33 19 00-0022	EA	24" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	801.03	185.26
23 33 19 00-0023	EA	24" x 24" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,025.45	196.24
23 33 19 00-0024	EA	24" x 30" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,128.49	205.84
23 33 19 00-0025	EA	24" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,233.59	216.82
23 33 19 00-0026	EA	24" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,624.21	247.02
23 33 19 00-0027	EA	36" x 18" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,014.71	205.84
23 33 19 00-0028	EA	36" x 36" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,370.11	247.02
23 33 19 00-0029	EA	36" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,413.58	325.23
23 33 19 00-0030	EA	36" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,693.05	352.68
23 33 19 00-0031	EA	48" x 48" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,989.93	374.64
23 33 19 00-0032	EA	48" x 60" x 60" Long, Packaged Duct Sound Trap, Sound Attenuator.....	3,364.40	411.70

**23 33 19 00-0033 84" Long Packaged Duct Sound Trap (23 33 19)**

23 33 19 00-0034	EA	6" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	391.67	102.92
23 33 19 00-0035	EA	6" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	669.06	153.70
23 33 19 00-0036	EA	6" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	934.57	225.06
23 33 19 00-0037	EA	12" x 12" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	527.67	123.51
23 33 19 00-0038	EA	12" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	655.11	142.72
23 33 19 00-0039	EA	12" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	886.85	164.68
23 33 19 00-0040	EA	12" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,046.93	177.03
23 33 19 00-0041	EA	12" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,142.32	190.75
23 33 19 00-0042	EA	12" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,435.69	205.84
23 33 19 00-0043	EA	12" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,696.87	225.06
23 33 19 00-0044	EA	24" x 18" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	983.03	190.75
23 33 19 00-0045	EA	24" x 24" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,395.86	198.98
23 33 19 00-0046	EA	24" x 30" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,522.92	205.84
23 33 19 00-0047	EA	24" x 36" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	1,658.35	216.82
23 33 19 00-0048	EA	24" x 42" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,077.90	233.29
23 33 19 00-0049	EA	24" x 48" x 84" Long, Packaged Duct Sound Trap, Sound Attenuator.....	2,253.77	247.02

**23 33 23 Turning Vanes (23 33)****23 33 23 00-0001 Duct Turning Vane Components (23 33 23)**

23 33 23 00-0002	LF	Duct Turning Vane Rail.....	14.14	3.43
		<i>For Stainless Steel, Add</i>	9.14	
23 33 23 00-0003	LF	Double Thick Factory Fabricated, Duct Turning Vane.....	13.44	1.37
		<i>For Stainless Steel, Add</i>	13.77	

**23 33 23 00-0004 Duct Turning Vane Sets (23 33 23)**

Note: Measured from inside corner to outside corner of ductwork.

23 33 23 00-0005	LF	12" High Duct Turning Vanes, Sets.....	55.08	5.15
		<i>For Stainless Steel, Add</i>	63.25	
23 33 23 00-0006	LF	14" High Duct Turning Vanes, Sets.....	68.39	5.49
		<i>For Stainless Steel, Add</i>	79.99	
23 33 23 00-0007	LF	16" High Duct Turning Vanes, Sets.....	93.42	5.76
		<i>For Stainless Steel, Add</i>	112.00	
23 33 23 00-0008	LF	18" High Duct Turning Vanes, Sets.....	118.49	6.18
		<i>For Stainless Steel, Add</i>	144.00	
23 33 23 00-0009	LF	20" High Duct Turning Vanes, Sets.....	131.30	6.59
		<i>For Stainless Steel, Add</i>	159.99	
23 33 23 00-0010	LF	22" High Duct Turning Vanes, Sets.....	167.72	6.18
		<i>For Stainless Steel, Add</i>	208.01	
23 33 23 00-0011	LF	24" High Duct Turning Vanes, Sets.....	206.09	7.28
		<i>For Stainless Steel, Add</i>	256.02	
23 33 23 00-0012	LF	26" High Duct Turning Vanes, Sets.....	221.26	7.60
		<i>For Stainless Steel, Add</i>	275.29	
23 33 23 00-0013	LF	30" High Duct Turning Vanes, Sets.....	247.05	7.90
		<i>For Stainless Steel, Add</i>	308.32	

**23 33 33 Duct-Mounting Access Doors (23 33)****23 33 33 00-0001 Duct Access Doors, Insulated Factory Fabrication (23 33 33)**

23 33 33 00-0002	EA	6" x 6" Duct Access Doors Insulated Factory Fabrication.....	105.55	19.21
		<i>For Stainless Steel, Add</i>	56.72	
23 33 33 00-0003	EA	10" x 10" Duct Access Doors Insulated Factory Fabrication.....	111.50	19.21
		<i>For Stainless Steel, Add</i>	68.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 33 00-0004	EA		12" x 12" Duct Access Doors Insulated Factory Fabrication..... <i>For Stainless Steel, Add</i>	114.41 74.44	19.21
23 33 33 00-0005	EA		12" x 18" Duct Access Doors Insulated Factory Fabrication..... <i>For Stainless Steel, Add</i>	147.50 104.98	23.33
23 33 33 00-0006	EA		16" x 12" Duct Access Doors Insulated Factory Fabrication..... <i>For Stainless Steel, Add</i>	148.68 107.34	23.33
23 33 33 00-0007	EA		18" x 18" Duct Access Doors Insulated Factory Fabrication..... <i>For Stainless Steel, Add</i>	185.28 123.54	31.57
23 33 33 00-0008	EA		24" x 18" Duct Access Doors Insulated Factory Fabrication..... <i>For Stainless Steel, Add</i>	220.90 133.02	38.43
23 33 33 00-0009	EA		24" x 24" Duct Access Doors Insulated Factory Fabrication..... <i>For Stainless Steel, Add</i>	287.51 163.34	52.15
<b>23 33 43 Flexible Connectors (23 33)</b>					
23 33 43 00-0001	LF		6-1/2" Width, Galvanized Steel, Flexible Duct Connector.....	17.29	4.12
23 33 43 00-0002	LF		5-3/4" Width, Vinyl/Steel, Flexible Duct Connector.....	17.73	3.70
<b>23 33 46 Flexible Ducts (23 33)</b>					
23 33 46 00-0001			<b>Flexible Duct, R8.0 Insulated With Metallized Outer Jacket (23 33 46)</b> Note: Polyester inner liner encapsulating a corrosion resistant steel wire helix, supporting a blanket of fiberglass insulation over a fiberglass scrim and a bi-directional reinforced metallized outer vapor barrier jacket.		
23 33 46 00-0002	LF		4" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	9.86 -1.02 -1.19	1.37
23 33 46 00-0003	LF		5" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	10.89 -1.08 -1.26	2.74
23 33 46 00-0004	LF		6" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	12.19 -1.10 -1.29	2.74
23 33 46 00-0005	LF		7" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	14.14 -1.24 -1.44	2.74
23 33 46 00-0006	LF		8" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	16.51 -1.25 -1.46	4.12
23 33 46 00-0007	LF		10" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	21.37 -1.68 -1.96	4.12
23 33 46 00-0008	LF		12" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	28.62 -2.00 -2.33	5.49
23 33 46 00-0009	LF		14" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	35.57 -2.44 -2.84	5.49
23 33 46 00-0010	LF		16" Diameter Flexible Duct, R8.0 Insulated With Polyester Inner Liner Over Fiberglass Insulation And Metallized Outer Jacket..... <i>For R6.0 Insulated Flexible Duct, Deduct</i> <i>For R4.2 Insulated Flexible Duct, Deduct</i>	46.35 -2.91 -3.40	6.86
23 33 46 00-0011			<b>Collars, Sheet Metal Spin-In Type With Damper (23 33 46)</b>		
23 33 46 00-0012	EA		Up To 4" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	54.05 30.12	8.23
23 33 46 00-0013	EA		5" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	58.76 30.51	9.61
23 33 46 00-0014	EA		6" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	67.06 33.66	9.61
23 33 46 00-0015	EA		7" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	76.12 34.72	12.35
23 33 46 00-0016	EA		8" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	91.92 39.22	15.10
23 33 46 00-0017	EA		10" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	107.78 48.36	17.84
23 33 46 00-0018	EA		12" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	122.42 52.10	20.59
23 33 46 00-0019	EA		14" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	144.88 65.25	23.33
23 33 46 00-0020	EA		16" Diameter Flexible Duct Collar, Spin In Type, Sheet Metal, With Damper..... <i>For Stainless Steel, Add</i>	157.83 71.38	26.08
<b>23 33 53 Duct Liners (23 33)</b>					
23 33 53 00-0001			<b>Fiberglass Duct Liner Board, Rigid, Acoustical Insulation (23 33 53)</b>		
23 33 53 00-0002	SF		1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	15.85	4.14
23 33 53 00-0003	SF		3/4" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	17.30	4.14
23 33 53 00-0004	SF		1" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board.....	19.24	5.52

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 33 Air Duct Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 33 53 00-0005	SF		1-1/2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	23.60	5.52
23 33 53 00-0006	SF		2" Field Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	28.47	6.21
23 33 53 00-0007	SF		1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	14.13	4.12
23 33 53 00-0008	SF		3/4" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	15.44	4.12
23 33 53 00-0009	SF		1" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	17.23	5.49
23 33 53 00-0010	SF		1-1/2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	21.03	5.49
23 33 53 00-0011	SF		2" Shop Installed, 3 LB/CF, Fiberglass Duct Liner Board .....	25.47	6.18
<b>23 33 53 00-0012 Fiberglass Duct Liner Blanket, Flexible, Acoustical Insulation (23 33 53)</b>					
23 33 53 00-0013	SF		1/2", R2, 2 LB/CF, T200, Fiberglass Duct Liner Blanket .....	3.36	3.29
23 33 53 00-0014	SF		1", R3.8, 1.5 LB/CF, T150, Fiberglass Duct Liner Blanket .....	4.18	3.70
23 33 53 00-0015	SF		1", R4.1, 2 LB/CF, T200, Fiberglass Duct Liner Blanket .....	4.98	3.70
23 33 53 00-0016	SF		1", R4.3, 3 LB/CF, T300, Fiberglass Duct Liner Blanket .....	6.53	3.70
23 33 53 00-0017	SF		1-1/2", T150, 1.5 LB/CF, Fiberglass Duct Liner Blanket .....	5.38	4.12
23 33 53 00-0018	SF		2", R7.7, 1.5 LB/CF, T150 Fiberglass Duct Liner Blanket .....	5.70	4.53
23 33 53 00-0019	SF		2", R8, 2 LB/CF, T200 Fiberglass Duct Liner Blanket .....	9.06	4.53
<b>23 33 56 Duct Air Extractors (23 33)</b>					
23 33 56 00-0001	EA		12" x 4" Duct Air Extractor .....	66.57	22.64
			<i>For Stainless Steel, Add</i>	27.66	
23 33 56 00-0002	EA		8" x 6" Duct Air Extractor .....	70.69	24.70
			<i>For Stainless Steel, Add</i>	27.66	
23 33 56 00-0003	EA		12" x 6" Duct Air Extractor .....	81.59	26.08
			<i>For Stainless Steel, Add</i>	38.27	
23 33 56 00-0004	EA		16" x 6" Duct Air Extractor .....	92.24	27.45
			<i>For Stainless Steel, Add</i>	48.54	
23 33 56 00-0005	EA		24" x 6" Duct Air Extractor .....	122.04	30.19
			<i>For Stainless Steel, Add</i>	80.16	
23 33 56 00-0006	EA		12" x 8" Duct Air Extractor .....	87.89	27.45
			<i>For Stainless Steel, Add</i>	42.90	
23 33 56 00-0007	EA		20" x 8" Duct Air Extractor .....	116.37	34.31
			<i>For Stainless Steel, Add</i>	62.09	
23 33 56 00-0008	EA		18" x 10" Duct Air Extractor .....	125.11	39.10
			<i>For Stainless Steel, Add</i>	60.96	
23 33 56 00-0009	EA		24" x 10" Duct Air Extractor .....	152.73	45.96
			<i>For Stainless Steel, Add</i>	79.03	
23 33 56 00-0010	EA		24" x 12" Duct Air Extractor .....	174.91	54.90
			<i>For Stainless Steel, Add</i>	84.67	
23 33 56 00-0011	EA		30" x 12" Duct Air Extractor .....	218.86	68.61
			<i>For Stainless Steel, Add</i>	106.12	
<b>23 33 59 Duct Pressure Relief Doors (23 33)</b>					
23 33 59 00-0001			<b>Duct Pressure Relief Doors (23 33 59)</b>		
23 33 59 00-0002	EA		18" x 18" Duct Pressure Relief Door (Ruskin PRD18) .....	1,285.33	41.17
23 33 59 00-0003	EA		24" x 10" Duct Pressure Relief Door (Ruskin PRD18) .....	1,056.16	34.31
23 33 59 00-0004	EA		24" x 12" Duct Pressure Relief Door (Ruskin PRD18) .....	1,047.48	37.74
<b>23 34 HVAC Fans (23 30)</b>					
<b>23 34 13 Axial HVAC Fans (23 34)</b>					
23 34 13 00-0001			<b>Tube-Axial Fans (23 34 13)</b>		
23 34 13 00-0002			<b>Direct Drive Tube-Axial Duct Fans (23 34 13 00-0001)</b>		
23 34 13 00-0003	EA		12" Direct Drive Axial Flow Fan, 1/6 HP 1,060 CFM Constant Speed, 1/8" Static Pressure .....	2,028.71	421.93
			<i>For 1/4" Static Pressure, Add</i>	94.72	
			<i>For 3/8" Static Pressure, Add</i>	189.44	
			<i>For 1/2" Static Pressure, Add</i>	260.48	
23 34 13 00-0004	EA		12" Direct Drive Axial Flow Fan, 1/2 HP 2,095 CFM Constant Speed, 1/8" Static Pressure .....	2,113.29	423.20
			<i>For 1/4" Static Pressure, Add</i>	101.49	
			<i>For 3/8" Static Pressure, Add</i>	202.97	
			<i>For 1/2" Static Pressure, Add</i>	279.09	
23 34 13 00-0005	EA		16" Direct Drive Axial Flow Fan, 1/3 HP 2,490 CFM Constant Speed, 1/8" Static Pressure .....	2,282.43	421.93
			<i>For 1/4" Static Pressure, Add</i>	115.02	
			<i>For 3/8" Static Pressure, Add</i>	230.04	
			<i>For 1/2" Static Pressure, Add</i>	316.30	
23 34 13 00-0006	EA		20" Direct Drive Axial Flow Fan, 3/4 HP 4,130 CFM Constant Speed, 1/8" Static Pressure .....	2,451.57	423.20
			<i>For 1/4" Static Pressure, Add</i>	128.55	
			<i>For 3/8" Static Pressure, Add</i>	257.10	
			<i>For 1/2" Static Pressure, Add</i>	353.51	
23 34 13 00-0007	EA		22" Direct Drive Axial Flow Fan, 3/4 HP 4,700 CFM Constant Speed, 1/8" Static Pressure .....	2,874.24	506.82
			<i>For 1/4" Static Pressure, Add</i>	148.85	
			<i>For 3/8" Static Pressure, Add</i>	297.69	
			<i>For 1/2" Static Pressure, Add</i>	409.33	
23 34 13 00-0008	EA		24" Direct Drive Axial Flow Fan, 1 HP 5,850 CFM Constant Speed, 1/8" Static Pressure .....	3,300.66	551.17
			<i>For 1/4" Static Pressure, Add</i>	175.91	
			<i>For 3/8" Static Pressure, Add</i>	351.82	
			<i>For 1/2" Static Pressure, Add</i>	483.75	
23 34 13 00-0009	EA		24" Direct Drive Axial Flow Fan, 1-1/2 HP 7,925 CFM Constant Speed, 1/8" Static Pressure .....	3,490.17	603.12
			<i>For 1/4" Static Pressure, Add</i>	182.68	
			<i>For 3/8" Static Pressure, Add</i>	365.35	
			<i>For 1/2" Static Pressure, Add</i>	502.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 13 00-0010	EA		30" Direct Drive Axial Flow Fan, 1 HP 10,640 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,973.37 216.50 433.01 595.39	633.53
23 34 13 00-0011	EA		30" Direct Drive Axial Flow Fan, 2-1/2 HP 14,765 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	4,797.56 257.10 514.20 707.02	791.92
23 34 13 00-0012	EA		36" Direct Drive Axial Flow Fan, 2 HP 16,780 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,410.58 297.69 595.39 818.66	845.13
23 34 13 00-0013	EA		36" Direct Drive Axial Flow Fan, 5 HP 22,920 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	6,347.06 351.82 703.64 967.50	974.37
<b>23 34 13 00-0014 Belt Drive Tube-Axial Duct Fans (23 34 13 00-0001)</b>					
23 34 13 00-0015	EA		15" Belt Drive Axial Flow Fan, 1/3 HP 2,800 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	1,925.14 88.61 177.23 243.69	409.26
23 34 13 00-0016	EA		15" Belt Drive Axial Flow Fan, 1/2 HP 3,400 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,039.84 95.61 191.22 262.93	423.20
23 34 13 00-0017	EA		18" Belt Drive Axial Flow Fan, 1/3 HP 3,280 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,107.83 98.72 197.44 271.48	437.14
23 34 13 00-0018	EA		18" Belt Drive Axial Flow Fan, 1/2 HP 3,900 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,229.72 105.97 211.95 291.43	452.34
23 34 13 00-0019	EA		18" Belt Drive Axial Flow Fan, 1 HP 5,250 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,509.40 125.67 251.33 345.58	470.08
23 34 13 00-0020	EA		24" Belt Drive Axial Flow Fan, 1/2 HP 4,800 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,645.90 133.70 267.40 367.67	487.82
23 34 13 00-0021	EA		24" Belt Drive Axial Flow Fan, 1 HP 6,430 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	2,956.96 155.46 310.93 427.53	506.82
23 34 13 00-0022	EA		24" Belt Drive Axial Flow Fan, 2 HP 8,860 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,327.41 185.23 370.46 509.38	506.82
23 34 13 00-0023	EA		30" Belt Drive Axial Flow Fan, 1 HP 9,250 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	3,852.90 220.24 440.48 605.66	551.17
23 34 13 00-0024	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,900 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	4,569.78 259.11 518.21 712.54	667.74
23 34 13 00-0025	EA		30" Belt Drive Axial Flow Fan, 5 HP 16,150 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,195.54 308.72 617.44 848.97	667.74
23 34 13 00-0026	EA		36" Belt Drive Axial Flow Fan, 3/4 HP 8,090 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	5,716.67 344.71 689.41 947.94	704.48
23 34 13 00-0027	EA		36" Belt Drive Axial Flow Fan, 2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	6,241.72 380.36 760.73 1,046.00	745.03
23 34 13 00-0028	EA		36" Belt Drive Axial Flow Fan, 7-1/2 HP 14,475 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	7,125.48 414.57 829.14 1,140.07	974.37
23 34 13 00-0029	EA		36" Belt Drive Axial Flow Fan, 5 HP 20,080 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	8,117.70 493.95 987.90 1,358.36	975.64
23 34 13 00-0030	EA		42" Belt Drive Axial Flow Fan, 7-1/2 HP 29,000 CFM Constant Speed, 1/8" Static Pressure..... <i>For 1/4" Static Pressure, Add</i> <i>For 3/8" Static Pressure, Add</i> <i>For 1/2" Static Pressure, Add</i>	9,174.89 550.36 1,100.72 1,513.49	1,151.51

**23 34 16 Centrifugal HVAC Fans (23 34)**

23 34 16 00-0001 Centrifugal Fans (23 34 16)

Note: All belt fans to be supplied with belt guard.



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0002			<b>Utility Backward Inclined Steel Wheel Centrifugal Fans</b> (23 34 16 00-0001) Note: V-belt driven.		
23 34 16 00-0003			<b>Industrial Type Utility Backward Centrifugal Fans</b> (23 34 16 00-0002) Note: Under 30" diameter wheel.		
23 34 16 00-0004			<b>12-1/4" Diameter Wheel 650 To 2,950 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0005	EA		1/6 HP, 12-1/4" Wheel, 450 To 1,750 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,286.42	278.38
23 34 16 00-0006	EA		1/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,820.82	288.89
23 34 16 00-0007	EA		1/3 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,875.14	230.22
23 34 16 00-0008	EA		1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	1,957.82	315.50
23 34 16 00-0009	EA		3/4 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	2,008.31	334.50
23 34 16 00-0010	EA		1 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	2,073.27	348.45
23 34 16 00-0011	EA		1-1/2 HP, 12-1/4" Wheel, 650 To 2,950 CFM At 1/8" Static Pressure, Centrifugal Fan .....	2,140.60	371.25
23 34 16 00-0012			<b>13-1/2" Diameter Wheel 734 To 3,343 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0013	EA		1/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,093.14	304.09
23 34 16 00-0014	EA		1/3 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,132.30	315.50
23 34 16 00-0015	EA		1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,204.50	334.50
23 34 16 00-0016	EA		3/4 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,247.39	348.45
23 34 16 00-0017	EA		1 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,326.13	371.25
23 34 16 00-0018	EA		1-1/2 HP Centrifugal Fan, 13-1/2" Wheel, 734 - 3,343 CFM At 1/8" Static Pressure .....	2,403.10	388.99
23 34 16 00-0019			<b>15" Diameter Wheel 1,258 To 4,146 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0020	EA		1/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,110.53	315.50
23 34 16 00-0021	EA		1/3 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,160.98	334.50
23 34 16 00-0022	EA		1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,225.62	348.45
23 34 16 00-0023	EA		3/4 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,282.59	371.25
23 34 16 00-0024	EA		1 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,352.32	388.99
23 34 16 00-0025	EA		1-1/2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,450.92	418.13
23 34 16 00-0026	EA		2 HP Centrifugal Fan, 15" Wheel, 1,258 - 4,146 CFM At 1/8" Static Pressure .....	2,527.79	439.67
23 34 16 00-0027			<b>16-1/2" Diameter Wheel 977 To 4,711 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0028	EA		1/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,411.27	334.50
23 34 16 00-0029	EA		1/3 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,498.53	348.45
23 34 16 00-0030	EA		1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,596.86	371.25
23 34 16 00-0031	EA		3/4 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,649.68	388.99
23 34 16 00-0032	EA		1 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,720.52	418.13
23 34 16 00-0033	EA		1-1/2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	2,780.50	439.67
23 34 16 00-0034	EA		2 HP Centrifugal Fan, 16-1/2" Wheel, 977 - 4,711 CFM At 1/8" Static Pressure .....	3,085.56	477.69
23 34 16 00-0035			<b>18-1/4" Diameter Wheel 2,193 To 6,498 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0036	EA		1/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,492.25	348.45
23 34 16 00-0037	EA		1/3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,554.65	371.25
23 34 16 00-0038	EA		1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,635.27	388.99
23 34 16 00-0039	EA		3/4 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,701.23	418.13
23 34 16 00-0040	EA		1 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,788.98	439.67
23 34 16 00-0041	EA		1-1/2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	2,922.33	477.69
23 34 16 00-0042	EA		2 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	3,009.74	506.82
23 34 16 00-0043	EA		3 HP Centrifugal Fan, 18-1/4" Wheel, 2,193 - 6,498 CFM At 1/8" Static Pressure .....	3,141.56	557.50
23 34 16 00-0044			<b>20" Diameter Wheel 2,412 To 7,364 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0045	EA		1/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,522.01	371.25
23 34 16 00-0046	EA		1/3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,602.60	388.99
23 34 16 00-0047	EA		1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,701.23	418.13
23 34 16 00-0048	EA		3/4 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,788.98	439.67
23 34 16 00-0049	EA		1 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	2,954.97	477.69
23 34 16 00-0050	EA		1-1/2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	3,182.29	506.82
23 34 16 00-0051	EA		2 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	3,347.72	557.50
23 34 16 00-0052	EA		3 HP Centrifugal Fan, 20" Wheel, 2,412 - 7,364 CFM At 1/8" Static Pressure .....	3,516.88	596.79
23 34 16 00-0053			<b>22-1/4" Diameter Wheel 2,265 To 8,483 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0054	EA		1/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,019.78	388.99
23 34 16 00-0055	EA		1/3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,080.63	418.13
23 34 16 00-0056	EA		1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,160.80	439.67
23 34 16 00-0057	EA		3/4 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,263.32	477.69
23 34 16 00-0058	EA		1 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,395.14	506.82
23 34 16 00-0059	EA		1-1/2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,447.46	557.50
23 34 16 00-0060	EA		2 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,538.64	596.79
23 34 16 00-0061	EA		3 HP Centrifugal Fan, 22-1/4" Wheel, 2,265 - 8,483 CFM At 1/8" Static Pressure .....	3,701.66	669.01
23 34 16 00-0062			<b>24-1/2" Diameter Wheel 3,055 To 11,380 CFM At 1/8" Static Pressure</b> (23 34 16 00-0003)		
23 34 16 00-0063	EA		1/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,622.62	418.13
23 34 16 00-0064	EA		1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,749.40	477.69

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0065	EA		3/4 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	3,869.46	506.82
23 34 16 00-0066	EA		1 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,000.67	557.50
23 34 16 00-0067	EA		1-1/2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,115.41	596.79
23 34 16 00-0068	EA		2 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,224.03	669.01
23 34 16 00-0069	EA		3 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,366.58	727.29
23 34 16 00-0070	EA		5 HP Centrifugal Fan, 24-1/2" Wheel, 3,055 - 11,380 CFM At 1/8" Static Pressure .....	4,695.09	836.26
<b>23 34 16 00-0071</b>			<b>27" Diameter Wheel 2,734 To 13,266 CFM At 1/8" Static Pressure (23 34 16 00-0003)</b>		
23 34 16 00-0072	EA		1/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,009.65	439.67
23 34 16 00-0073	EA		1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,141.54	506.82
23 34 16 00-0074	EA		3/4 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,272.73	557.50
23 34 16 00-0075	EA		1 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,387.49	596.79
23 34 16 00-0076	EA		1-1/2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,550.51	669.01
23 34 16 00-0077	EA		2 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	4,692.73	727.29
23 34 16 00-0078	EA		3 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	5,044.36	836.26
23 34 16 00-0079	EA		5 HP Centrifugal Fan, 27" Wheel, 2,734 - 13,266 CFM At 1/8" Static Pressure .....	5,107.94	928.76
<b>23 34 16 00-0080</b>			<b>Large Industrial Type Utility Backward Centrifugal Fans (23 34 16 00-0002)</b>		
			Note: Over 30" diameter wheel.		
<b>23 34 16 00-0081</b>			<b>30" Diameter Wheel 4,926 To 17,456 CFM At 1/8" Static Pressure (23 34 16 00-0080)</b>		
23 34 16 00-0082	EA		1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	5,605.86	557.50
23 34 16 00-0083	EA		3/4 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	5,716.33	596.79
23 34 16 00-0084	EA		1 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	5,889.08	669.01
23 34 16 00-0085	EA		1-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	6,042.17	727.29
23 34 16 00-0086	EA		2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	6,273.08	836.26
23 34 16 00-0087	EA		3 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	6,479.15	928.76
23 34 16 00-0088	EA		5 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	6,826.03	1,115.02
23 34 16 00-0089	EA		7-1/2 HP Centrifugal Fan, 30" Wheel, 4,926 - 17,456 CFM At 1/8" Static Pressure .....	7,145.25	1,286.07
<b>23 34 16 00-0090</b>			<b>33" Diameter Wheel 5,734 To 19,799 CFM At 1/8" Static Pressure (23 34 16 00-0080)</b>		
23 34 16 00-0091	EA		1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	6,564.02	596.79
23 34 16 00-0092	EA		3/4 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	6,781.45	669.01
23 34 16 00-0093	EA		1 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	6,978.42	727.29
23 34 16 00-0094	EA		1-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	7,252.53	836.26
23 34 16 00-0095	EA		2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	7,502.14	928.76
23 34 16 00-0096	EA		3 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	7,892.52	1,115.02
23 34 16 00-0097	EA		5 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	8,321.38	1,286.07
23 34 16 00-0098	EA		7-1/2 HP Centrifugal Fan, 33" Wheel, 5,734 - 19,799 CFM At 1/8" Static Pressure .....	8,954.89	1,672.53
<b>23 34 16 00-0099</b>			<b>36-1/2" Diameter Wheel 5,388 To 22,500 CFM At 1/8" Static Pressure (23 34 16 00-0080)</b>		
23 34 16 00-0100	EA		1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	7,012.19	669.01
23 34 16 00-0101	EA		3/4 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	7,215.66	727.29
23 34 16 00-0102	EA		1 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	7,848.88	836.26
23 34 16 00-0103	EA		1-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	8,279.16	928.76
23 34 16 00-0104	EA		2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	8,822.16	1,115.02
23 34 16 00-0105	EA		3 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	9,244.17	1,286.07
23 34 16 00-0106	EA		5 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	10,134.71	1,672.53
23 34 16 00-0107	EA		7-1/2 HP Centrifugal Fan, 36-1/2" Wheel, 5,388 - 22,500 CFM At 1/8" Static Pressure .....	10,898.25	2,090.65
<b>23 34 16 00-0108</b>			<b>Kitchen System Fans (23 34 16 00-0001)</b>		
<b>23 34 16 00-0109</b>			<b>Upblast Kitchen Exhaust Fans (23 34 16 00-0108)</b>		
<b>23 34 16 00-0110</b>			<b>Direct Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)</b>		
			Note: Greenheck CUE.		
23 34 16 00-0111	EA		Up To 12" Wheel Diameter, 1/6 HP Direct Drive, Kitchen Upblast Exhaust Fan .....	1,410.25	164.72
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	61.24	
			For Backdraft Damper, Add	174.63	
			For Damper Motor, Add	284.44	
23 34 16 00-0112	EA		14" Wheel Diameter, 1/4 HP Direct Drive, Kitchen Upblast Exhaust Fan .....	1,653.53	164.72
			Note: 115V. For roof or wall installations. Includes disconnect switch.		
			For Bird Screen, Add	61.24	
			For Backdraft Damper, Add	174.63	
			For Damper Motor, Add	284.44	
<b>23 34 16 00-0113</b>			<b>Belt Drive Kitchen Upblast Exhaust Fans (23 34 16 00-0109)</b>		
			Note: Greenheck CUBE.		
23 34 16 00-0114	EA		10" Diameter Wheel, Up To 1/3 HP, 1,458 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan .....	2,422.03	164.72
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	61.24	
			For Wall Mounted Fan, Add	96.88	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	177.87	
			For Backdraft Damper, Add	174.63	
			For Damper Motor, Add	284.44	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0115	EA		12" Diameter Wheel, 1/2 HP, 1,923 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,527.61	164.72
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	61.24	
			For Wall Mounted Fan, Add	101.10	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	186.85	
			For Backdraft Damper, Add	174.63	
			For Damper Motor, Add	284.44	
23 34 16 00-0116	EA		14" Diameter Wheel, 1/3 HP, 2,006 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,170.76	190.06
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	69.68	
			For Wall Mounted Fan, Add	86.83	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	152.20	
			For Backdraft Damper, Add	198.27	
			For Damper Motor, Add	284.44	
23 34 16 00-0117	EA		14" Diameter Wheel, 1 HP, 2,757 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,322.79	190.06
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	69.68	
			For Wall Mounted Fan, Add	92.91	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	165.13	
			For Backdraft Damper, Add	198.27	
			For Damper Motor, Add	284.44	
23 34 16 00-0118	EA		16" Diameter Wheel, 1/2 HP, 2,940 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	2,952.05	221.74
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	69.68	
			For Wall Mounted Fan, Add	118.08	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	213.23	
			For Backdraft Damper, Add	198.27	
			For Damper Motor, Add	284.44	
23 34 16 00-0119	EA		16" Diameter Wheel, 1 HP, 3,129 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,114.64	221.74
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	69.68	
			For Wall Mounted Fan, Add	124.59	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	227.05	
			For Backdraft Damper, Add	198.27	
			For Damper Motor, Add	284.44	
23 34 16 00-0120	EA		18" Diameter Wheel, 1/2 HP, 3,243 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,393.38	237.57
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	116.14	
			For Wall Mounted Fan, Add	135.74	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	248.05	
			For Backdraft Damper, Add	247.90	
			For Damper Motor, Add	284.44	
23 34 16 00-0121	EA		18" Diameter Wheel, 1 HP, 4,223 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,646.77	237.57
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	116.14	
			For Wall Mounted Fan, Add	145.87	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	269.59	
			For Backdraft Damper, Add	247.90	
			For Damper Motor, Add	284.44	
23 34 16 00-0122	EA		20" Diameter Wheel, 3/4 HP, 4,438 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	3,708.01	253.41
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	116.14	
			For Wall Mounted Fan, Add	148.32	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	272.10	
			For Backdraft Damper, Add	247.90	
			For Damper Motor, Add	284.44	
23 34 16 00-0123	EA		20" Diameter Wheel, 2 HP, 6,450 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan.....	4,064.87	253.41
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	116.14	
			For Wall Mounted Fan, Add	162.59	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	302.43	
			For Backdraft Damper, Add	247.90	
			For Damper Motor, Add	284.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0124	EA		24" Diameter Wheel, 3/4 HP, 5,460 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 4,681.47		285.09
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	137.25	
			For Wall Mounted Fan, Add	187.26	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	349.46	
			For Backdraft Damper, Add	268.65	
			For Damper Motor, Add	284.44	
23 34 16 00-0125	EA		24" Diameter Wheel, 2 HP, 7,985 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 5,008.76		285.09
			Note: 115/208-230/60/1. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	137.25	
			For Wall Mounted Fan, Add	200.35	
			For 3 Phase Motor, Deduct	-50.00	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	377.28	
			For Backdraft Damper, Add	268.65	
			For Damper Motor, Add	284.44	
23 34 16 00-0126	EA		30" Diameter Wheel, 3/4 HP, 7,771 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 5,935.76		316.76
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	147.81	
			For Wall Mounted Fan, Add	237.43	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	450.69	
			For Backdraft Damper, Add	298.05	
			For Damper Motor, Add	284.44	
23 34 16 00-0127	EA		30" Diameter Wheel, 2 HP, 10,192 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 6,043.45		316.76
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	147.81	
			For Wall Mounted Fan, Add	241.74	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	459.84	
			For Backdraft Damper, Add	298.05	
			For Damper Motor, Add	284.44	
23 34 16 00-0128	EA		30" Diameter Wheel, 3 HP, 11,903 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 6,590.35		316.76
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	147.81	
			For Wall Mounted Fan, Add	263.61	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	506.33	
			For Backdraft Damper, Add	298.05	
			For Damper Motor, Add	284.44	
23 34 16 00-0129	EA		30" Diameter Wheel, 5 HP, 14,266 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 6,854.30		316.76
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	147.81	
			For Wall Mounted Fan, Add	274.17	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	528.77	
			For Backdraft Damper, Add	298.05	
			For Damper Motor, Add	284.44	
23 34 16 00-0130	EA		36" Diameter Wheel, 3 HP , 14,769 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 7,547.23		348.45
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	168.93	
			For Wall Mounted Fan, Add	301.89	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	582.28	
			For Damper Motor, Add	284.44	
			For Backdraft Damper, Add	350.97	
23 34 16 00-0131	EA		36" Diameter Wheel, 5 HP , 17,884 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 7,850.77		348.45
			Note: 115/208-230/60/3. Includes heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	168.93	
			For Wall Mounted Fan, Add	314.03	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	608.08	
			For Damper Motor, Add	284.44	
			For Backdraft Damper, Add	350.97	
23 34 16 00-0132	EA		42" Diameter Wheel, 3 HP , 17,316 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 7,922.63		380.12
			Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	168.93	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	608.81	
			For Damper Motor, Add	284.44	
			For Backdraft Damper, Add	407.92	
23 34 16 00-0133	EA		42" Diameter Wheel, 7-1/2 HP , 24,604 CFM At 1/4" Static Pressure, Belt Drive, Kitchen Upblast Exhaust Fan ..... 8,589.05		380.12
			Note: 230/460/60/3. Includes birdscreen, heat baffle, grease baffle and disconnect switch.		
			For Bird Screen, Add	168.93	
			For Totally Enclosed Motor, Add	85.00	
			For Grease Trap Kit, Add	76.41	
			For Hinged Curb Kit, Add	665.45	
			For Damper Motor, Add	284.44	
			For Backdraft Damper, Add	407.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0134			<b>Untempered Kitchen Make-Up Air Fans</b> (23 34 16 00-0108) Note: Roof mounted with downblast discharge, weatherhood and filter.		
23 34 16 00-0135			<b>Direct Drive Kitchen Make-Up Air Fans</b> (23 34 16 00-0134)		
23 34 16 00-0136	EA		7" Diameter Wheel, 1/2 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,634.82	164.72
			<i>For Extended Weatherhood, Add</i>	278.13	
23 34 16 00-0137	EA		8" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,717.47	164.72
			<i>For Extended Weatherhood, Add</i>	290.53	
23 34 16 00-0138	EA		9" Diameter Wheel, 1 HP Direct Drive, Kitchen Make-Up Air Fan ..... Note: 115V. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,818.89	164.72
			<i>For Extended Weatherhood, Add</i>	305.74	
23 34 16 00-0139			<b>Belt Drive Kitchen Make-Up Air Fans</b> (23 34 16 00-0134)		
23 34 16 00-0140	EA		9" Diameter Wheel, 1/2 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	1,858.23	164.72
			<i>For Extended Weatherhood, Add</i>	311.65	
23 34 16 00-0141	EA		10" Diameter Wheel, 1-1/2 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,084.98	221.74
			<i>For Extended Weatherhood, Add</i>	357.09	
23 34 16 00-0142	EA		12" Diameter Wheel, 2 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 115/208-230/60/1. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,512.84	253.41
			<i>For Extended Weatherhood, Add</i>	427.61	
23 34 16 00-0143	EA		15" Diameter Wheel, 3 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	2,914.06	316.76
			<i>For Extended Weatherhood, Add</i>	500.46	
23 34 16 00-0144	EA		18" Diameter Wheel, 5 HP Belt Drive, Kitchen Make-Up Air Fan ..... Note: 230/460/60/3. For roof installations. Includes downblast discharge, weatherhood, filter and disconnect switch.	3,526.37	380.12
			<i>For Extended Weatherhood, Add</i>	604.97	
23 34 16 00-0145			<b>Replacement Parts</b> (23 34 16 00-0001)		
23 34 16 00-0146			<b>Replace Belts And Accessories</b> (23 34 16 00-0145)		
23 34 16 00-0147	EA		Fan Shaft Bearing, Replacement.....	1,095.72	498.67
23 34 16 00-0148	EA		Fan Belt, Replacement.....	174.68	67.63
23 34 16 00-0149			<b>Corrosive Fume Resistant Plastic</b> (23 34 16 00-0001)		
23 34 16 00-0150			<b>Centrifugal Roof Ventilators, Belt Drive, 1/4" Static Pressure</b> (23 34 16 00-0149)		
23 34 16 00-0151	EA		250 CFM, 1/4 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	6,483.32 903.95	228.49
23 34 16 00-0152	EA		895 CFM, 1/3 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	7,044.87 974.39	274.47
23 34 16 00-0153	EA		1,630 CFM, 1/2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	8,356.05 1,150.49	343.08
23 34 16 00-0154	EA		2,240 CFM, 1 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	8,976.64 1,209.18	457.66
23 34 16 00-0155	EA		3,810 CFM, 2 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	10,294.45 1,338.32	686.15
23 34 16 00-0156	EA		11,760 CFM, 5 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	17,771.38 2,254.01	1,372.32
23 34 16 00-0157	EA		18,810 CFM, 10 HP Roof Ventilator, Centrifugal, Belt Drive, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	25,915.65 3,298.84	1,961.72
23 34 16 00-0158			<b>Utility Set, Centrifugal, Belt Drive</b> (23 34 16 00-0149)		
23 34 16 00-0159	EA		1,200 CFM, 1/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	6,483.32 903.95	228.49
23 34 16 00-0160	EA		1,520 CFM, 1/3 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	6,653.55 915.69	274.47
23 34 16 00-0161	EA		1,850 CFM, 1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	6,790.77 915.69	343.08
23 34 16 00-0162	EA		2,180 CFM, 3/4 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	7,020.04 915.69	457.66
23 34 16 00-0163	EA		3,600 CFM, 1 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	9,668.34 1,244.40	686.15
23 34 16 00-0164	EA		4,250 CFM, 1-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	10,011.41 1,244.40	857.70
23 34 16 00-0165	EA		4,800 CFM, 2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	10,258.96 1,244.40	981.48
23 34 16 00-0166	EA		6,920 CFM, 5 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	10,511.02 1,267.88	1,029.24
23 34 16 00-0167	EA		7,700 CFM, 7-1/2 HP Utility Set, Centrifugal, Belt Drive, 1/4 Static Pressure, Corrosive Fume Resistant Plastic ..... <i>For Explosion Proof Motor, Add</i>	10,818.00 1,279.62	1,143.54
23 34 16 00-0168			<b>In-Line Duct Fans</b> (23 34 16 00-0001)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 34 16 00-0169</b>			<b>Direct Drive In-Line Duct Fans</b> (23 34 16 00-0168) Note: Greenheck SQ.		
23 34 16 00-0170	EA		Up To 10" Wheel Diameter, 1/16 HP Direct Drive, In Line Duct Fan ..... Note: 115V. Includes disconnect switch.	1,686.59	164.72
23 34 16 00-0171	EA		13" Wheel Diameter, 1/6 HP Direct Drive, In Line Duct Fan ..... Note: 115V. Includes disconnect switch.	2,154.03	177.39
23 34 16 00-0172	EA		14" Wheel Diameter, 1/3 HP Direct Drive, In Line Duct Fan ..... Note: 115V. Includes disconnect switch.	2,361.84	190.06

<b>23 34 16 00-0173</b>			<b>Belt Drive In-Line Duct Fans</b> (23 34 16 00-0168) Note: Greenheck BSQ.		
23 34 16 00-0174	EA		Up To 12" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	2,467.39	190.06
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0175	EA		13" Or 14" Wheel Diameter, 1/4 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	2,835.99	221.74
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0176	EA		13" Or 14" Wheel Diameter, 3/4 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	3,188.26	221.74
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0177	EA		13" Or 14" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	3,487.75	221.74
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0178	EA		16" Or 18" Wheel Diameter, 1/3 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	3,398.49	253.41
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0179	EA		16" Or 18" Wheel Diameter, 1-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	3,905.68	253.41
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0180	EA		24" Wheel Diameter, 1 HP Belt Drive, In Line Duct Fan ..... Note: 115/208-230/60/1. Includes disconnect switch.	4,969.87	316.76
			<i>For 3 Phase Motor, Deduct</i>	-50.00	
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0181	EA		24" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	5,249.86	316.76
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0182	EA		24" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: Belt drive. 230/460/60/3. Includes disconnect switch.	5,447.23	316.76
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0183	EA		30 Or 36" Wheel Diameter, 3 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	6,300.40	380.12
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0184	EA		30 Or 36" Wheel Diameter, 5 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	6,535.97	380.12
			<i>For Totally Enclosed Motor, Add</i>	85.00	
23 34 16 00-0185	EA		30 Or 36" Wheel Diameter, 7-1/2 HP Belt Drive, In Line Duct Fan ..... Note: 230/460/60/3. Includes disconnect switch.	6,825.46	380.12
			<i>For Totally Enclosed Motor, Add</i>	85.00	

<b>23 34 16 00-0186</b>			<b>In-Line Cabinet Fans</b> (23 34 16 00-0001)		
23 34 16 00-0187	EA		77 - 124 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	540.00	110.87
23 34 16 00-0188	EA		91 - 138 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	540.00	110.87
23 34 16 00-0189	EA		82 - 266 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	612.77	117.21
23 34 16 00-0190	EA		281 - 412 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	676.80	117.21
23 34 16 00-0191	EA		190 CFM, 115 Volt, Direct Drive Cabinet Fan.....	851.69	117.21
23 34 16 00-0192	EA		217 - 447 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	705.38	117.21
23 34 16 00-0193	EA		325 - 545 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	805.88	117.21
23 34 16 00-0194	EA		250 - 545 CFM, 115 Volt, 1/6 HP, Direct Drive In-Line Cabinet Fan.....	1,515.27	117.21
23 34 16 00-0195	EA		419 - 766 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	946.63	123.54
23 34 16 00-0196	EA		334 - 737 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	962.40	123.54
23 34 16 00-0197	EA		350 - 737 CFM, 120 Volt, 1/4 HP, Direct Drive In-Line Cabinet Fan.....	1,577.22	123.54
23 34 16 00-0198	EA		527 - 813 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	962.40	123.54
23 34 16 00-0199	EA		631 - 908 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,292.46	123.54
23 34 16 00-0200	EA		752 - 1244 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,292.46	123.54
23 34 16 00-0201	EA		1043 - 1584 CFM, 115 Volt, 1/3 HP, Direct Drive In-Line Cabinet Fan.....	1,292.46	123.54
23 34 16 00-0202	EA		999 - 1672 CFM, 115 Volt, Direct Drive In-Line Cabinet Fan.....	1,402.82	123.54

<b>23 34 16 00-0203</b>			<b>Propeller And Ceiling Fans</b> (23 34 16)		
<b>23 34 16 00-0204</b>			<b>Direct Drive, Sidewall Propeller Exhaust Fan</b> (23 34 16 00-0203) Note: Greenheck SE1.		
23 34 16 00-0205	EA		1/25 HP, 307 CFM At 1/8" Static Pressure, 8" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.	753.45	135.58
			<i>For Backdraft Damper, Add</i>	202.47	
			<i>For Wall Mount Collar, Add</i>	289.14	
23 34 16 00-0206	EA		1/12 HP, 763 CFM At 1/8" Static Pressure, 10" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard.	798.64	150.78
			<i>For Backdraft Damper, Add</i>	217.44	
			<i>For Wall Mount Collar, Add</i>	289.14	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0207	EA		1/8 HP, 1,149 CFM At 1/8" Static Pressure, 12" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... Note: Includes motor side guard. For Backdraft Damper, Add For Wall Mount Collar, Add	884.37 238.18 296.72	167.25
23 34 16 00-0208	EA		1/6 HP, 1,350 CFM At 1/8" Static Pressure, 14" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,288.53 284.93 302.21 249.11	184.99
23 34 16 00-0209	EA		1/6 HP, 2,012 CFM At 1/8" Static Pressure, 16" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,087.15 284.93 309.81 265.15	205.26
23 34 16 00-0210	EA		1/4 HP, 2,908 CFM At 1/8" Static Pressure, 18" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,220.56 346.11 317.40 281.19	228.07
23 34 16 00-0211	EA		1/3 HP, 3,974 CFM At 1/8" Static Pressure, 20" Diameter, Direct Drive, Sidewall Propeller Exhaust Fan ..... For Backdraft Damper, Add For Wall Mount Collar, Add For Motor Side Guard, Add	1,389.31 346.11 322.89 303.57	253.41
<b>23 34 16 00-0212 Belt Drive Propeller Exhaust Fans (23 34 16 00-0203)</b>					
Note: Wall shutter 1/8" static pressure, with birdscreen.					
23 34 16 00-0213	EA		24" Propeller Exhaust Fan, V-Belt Drive, 5,795 CFM, 1/2 HP, With Wall Shutter .....	2,606.23	362.38
23 34 16 00-0214	EA		30" Propeller Exhaust Fan, V-Belt Drive, 9,060 CFM, 3/4 HP, With Wall Shutter .....	2,985.59	421.93
23 34 16 00-0215	EA		36" Propeller Exhaust Fan, V-Belt Drive, 11,850 CFM, 1 HP, With Wall Shutter .....	3,389.26	506.82
23 34 16 00-0216	EA		42" Propeller Exhaust Fan, V-Belt Drive, 17,400 CFM, 1-1/2 HP, With Wall Shutter.....	4,712.74	633.53
23 34 16 00-0217	EA		48" Propeller Exhaust Fan, V-Belt Drive, 19,870 CFM, 1-1/2 HP, With Wall Shutter .....	5,630.02	845.13
23 34 16 00-0218	EA		54" Propeller Exhaust Fan, V-Belt Drive, 26,000 CFM, 2 HP, With Wall Shutter .....	7,828.30	1,267.07
23 34 16 00-0219	EA		60" Propeller Exhaust Fan, V-Belt Drive, 35,120 CFM, 3 HP, With Wall Shutter.....	9,405.41	1,624.38
<b>23 34 16 00-0220 Propeller Exhaust Fan Accessories (23 34 16 00-0203)</b>					
23 34 16 00-0221	SF		Hinged Mesh Screen For Wall Propeller Fans, 1" x 1" Frame (SF Of Fan Opening).....	134.25	
23 34 16 00-0222	SF		Galvanized Weather Hood For Wall Propeller Fan (SF Of Fan Opening).....	308.60	
<b>23 34 16 00-0223 Reversible Ceiling Fans (23 34 16 00-0203)</b>					
<b>23 34 16 00-0224 4 Blade Ceiling Fans (23 34 16 00-0223)</b>					
23 34 16 00-0225	EA		42" 4-Blade Ceiling Fan, Three Speed .....	643.85	76.45
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	26.27	
<b>23 34 16 00-0226 5 Blade Ceiling Fans (23 34 16 00-0223)</b>					
23 34 16 00-0227	EA		42" 5-Blade Ceiling Fan, Three Speed .....	703.27	189.19
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	26.35	
23 34 16 00-0228	EA		52" 5-Blade Ceiling Fan, Three Speed .....	801.83	189.19
			For Brass Plated Motor, Add	20.25	
			For Light Kit, Add	26.51	
<b>23 34 16 00-0229 3 Blade Weatherproof Ceiling Fans (23 34 16 00-0223)</b>					
23 34 16 00-0230	EA		3-Blade Ceiling Fan, Weatherproof, Three Speed .....	629.66	62.72
<b>23 34 16 00-0231 Exhaust Fans (23 34 16)</b>					
<b>23 34 16 00-0232 Exhaust Fans (23 34 16 00-0231)</b>					
Note: Excludes ducting.					
<b>23 34 16 00-0233 Light Duty Exhaust Fans (23 34 16 00-0232)</b>					
<b>23 34 16 00-0234 Light Duty Exhaust Fans (23 34 16 00-0233)</b>					
23 34 16 00-0235	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 670).....	178.15	61.78
23 34 16 00-0236	EA		70 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan Without Light (Broan® 671).....	187.27	61.78
23 34 16 00-0237	EA		180 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 505) .....	296.76	61.78
23 34 16 00-0238	EA		350 CFM, Ceiling Mounted, Polymeric Intake Grille, Vertical Discharge, Light Duty Exhaust Fan Without Light (Broan® 504) .....	369.97	61.78
23 34 16 00-0239	EA		160 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 503) .....	332.80	61.78
23 34 16 00-0240	EA		270 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Side Discharge, Light Duty Exhaust Fan Without Light (Broan® 502) .....	436.75	61.78
<b>23 34 16 00-0241 Light Duty Exhaust Fans With Lights (23 34 16 00-0233)</b>					
23 34 16 00-0242	EA		50 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 678) .....	226.93	61.78
23 34 16 00-0243	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 679) .....	249.78	61.78
23 34 16 00-0244	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Light (Broan® 680) .....	450.71	61.78
<b>23 34 16 00-0245 Light Duty Exhaust Fans With Heaters (23 34 16 00-0233)</b>					
23 34 16 00-0246	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater Bulb (Broan® 162).....	231.88	61.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 16 00-0247	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater (Broan® 658).....	357.16	61.78
<b>23 34 16 00-0248</b>			<b>Light Duty Exhaust Fans With Heaters And Lights (23 34 16 00-0233)</b>		
23 34 16 00-0249	EA		70 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 655).....	378.88	61.78
23 34 16 00-0250	EA		100 CFM, Ceiling Mounted, Polymeric Intake Grille, Light Duty Exhaust Fan With Heater And Light (Broan® 100HL).....	565.35	61.78
<b>23 34 16 00-0251</b>			<b>Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0232)</b>		
<b>23 34 16 00-0252</b>			<b>Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0251)</b>		
			Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0253	EA		50 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50).....	266.38	61.78
23 34 16 00-0254	EA		80 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80).....	292.56	61.78
23 34 16 00-0255	EA		109 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L100MG).....	519.20	61.78
23 34 16 00-0256	EA		157 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L150MG).....	531.34	61.78
23 34 16 00-0257	EA		210 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L200MG).....	569.10	61.78
23 34 16 00-0258	EA		259 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L250MG).....	593.24	61.78
23 34 16 00-0259	EA		308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300MG).....	602.59	61.78
23 34 16 00-0260	EA		434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400).....	686.90	61.78
23 34 16 00-0261	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500).....	779.89	61.78
23 34 16 00-0262	EA		701 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L700).....	832.86	61.78
23 34 16 00-0263	EA		901 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L900).....	987.60	61.78
23 34 16 00-0264	EA		1,513 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L1500).....	1,263.24	61.78
<b>23 34 16 00-0265</b>			<b>Heavy Duty/Continuous Operation Kitchen Exhaust Fans (23 34 16 00-0251)</b>		
			Note: Includes enamel steel or aluminum grille.		
23 34 16 00-0266	EA		308 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L300KMG).....	538.41	61.78
23 34 16 00-0267	EA		434 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L400K).....	772.94	61.78
23 34 16 00-0268	EA		514 CFM, Ceiling/Wall Mounted, Metal Intake Grille, Kitchen Heavy Duty/Continuous Operation Exhaust Fan (Broan® LoSone® Ventilator L500K).....	816.37	61.78
<b>23 34 16 00-0269</b>			<b>Heavy Duty/Continuous Operation Exhaust Fans With Lights (23 34 16 00-0251)</b>		
23 34 16 00-0270	EA		50 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD50L).....	287.82	61.78
23 34 16 00-0271	EA		80 CFM, Ceiling/Wall Mounted, Polymeric Intake Grille, Heavy Duty/Continuous Operation Exhaust Fan With Light (Broan® HD80L).....	312.42	61.78
<b>23 34 16 00-0272</b>			<b>Fire Rated, Heavy Duty/Continuous Operation Exhaust Fans (23 34 16 00-0251)</b>		
23 34 16 00-0273	EA		50 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD50RDF).....	298.62	61.78
23 34 16 00-0274	EA		80 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® HD80RDF).....	314.90	61.78
23 34 16 00-0275	EA		110 CFM, Ceiling Mounted, Metal Intake Grille, Fire Rated, Heavy Duty/Continuous Operation Exhaust Fan (Broan® 110RDF).....	322.76	61.78
<b>23 34 16 00-0276</b>			<b>Low Sound, Direct Drive, Centrifugal Ceiling Exhaust Fans (23 34 16 00-0232)</b>		
23 34 16 00-0277	EA		900 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A900).....	1,354.70	61.78
23 34 16 00-0278	EA		1050 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1050).....	1,354.70	61.78
23 34 16 00-0279	EA		1410 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1410).....	1,354.70	61.78
23 34 16 00-0280	EA		1550 CFM Low Sound, Direct Drive Centrifugal Ceiling Exhaust Fan (Greenheck SP-A1550).....	1,484.75	61.78
<b>23 34 16 00-0281</b>			<b>Room-To-Room Exhaust Fans (23 34 16 00-0232)</b>		
23 34 16 00-0282	EA		90 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 512).....	220.78	61.78
23 34 16 00-0283	EA		180 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 511).....	353.75	61.78
23 34 16 00-0284	EA		380 CFM, Polymeric Grilles, Wall Mounted, Room-To-Room Exhaust Fan (Broan® 510).....	402.21	61.78
<b>23 34 16 00-0285</b>			<b>Through-Wall Exhaust Fans (23 34 16 00-0232)</b>		
23 34 16 00-0286	EA		250 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 507).....	376.88	61.78
23 34 16 00-0287	EA		470 CFM, Wall Mounted, Polymeric Intake Grille, Chain Operated, Through Wall Exhaust Fan (Broan® 506).....	443.66	61.78
23 34 16 00-0288	EA		180 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 509).....	330.95	61.78
23 34 16 00-0289	EA		270 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan (Broan® 508).....	436.75	61.78
23 34 16 00-0290	EA		360 CFM, Wall Mounted, Polymeric Intake Grille, Through-Wall Exhaust Fan With Motorized Door (Broan® 12C).....	749.96	61.78

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 34 16 00-0291		Exhaust Fan Accessories (23 34 16 00-0232)			
23 34 16 00-0292		Exhaust Fan Controls (23 34 16 00-0291)			
23 34 16 00-0293	EA	Electronic Variable Speed Control Dial, Single Gang, Exhaust Fan Controls (Broan® 57) .....	208.49		38.61
23 34 16 00-0294	EA	60-Minute Time Control Dial, Single Gang, Exhaust Fan Controls (Broan® 59).....	149.42		38.61
23 34 16 00-0295	EA	60-Minute Time Control Dial With Rocker Switch, Double Gang, Exhaust Fan Controls (Broan® 61) .....	150.82		38.61
23 34 16 00-0296		Roof And Wall Caps For Exhaust Fans (23 34 16 00-0291)			
23 34 16 00-0297		Wall Caps For Exhaust Fans (23 34 16 00-0296)			
23 34 16 00-0298	EA	Aluminum Wall Cap For Up To 12" Duct, Installed On Exterior Walls (Broan® 613) .....	319.99		68.76
23 34 16 00-0299	EA	Aluminum Wall Cap For Up To 18" Duct, Installed On Exterior Walls (Broan® 643).....	324.65		68.76
23 34 16 00-0300		Roof Caps For Exhaust Fans (23 34 16 00-0296)			
		Note: Includes flashing and built in bird screen.			
23 34 16 00-0301	EA	Aluminum Roof Cap For Up To 8" Duct, Installed On Flat Roofs (Broan® 611) .....	272.00		68.76
23 34 16 00-0302	EA	Aluminum Roof Cap For Up To 12" Duct, Installed On Flat Roofs (Broan® 612) .....	392.77		68.76
23 34 16 00-0303	EA	CRCQ Steel Roof Cap For Up To 4" Duct, Installed On Sloped Roofs (Broan® 636) .....	179.17		68.76
23 34 16 00-0304	EA	CRCQ Steel Roof Cap For Up To 8" Duct, Installed On Sloped Roofs (Broan® 634) .....	215.39		68.76
23 34 16 00-0305		Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan (23 34 16 00-0232)			
		Note: Includes storage and cleaning.			
23 34 16 00-0306	EA	Removal And Reinstallation Of Light Duty Ceiling Exhaust Fan .....	95.02		
<b>23 34 23</b>		<b>HVAC Power Ventilators (23 34)</b>			
23 34 23 00-0001		Power Roof Ventilators (23 34 23)			
23 34 23 00-0002		Direct Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)			
		Note: Greenheck G.			
23 34 23 00-0003	EA	1/25 HP, 310 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	659.08		181.19
		Note: Three speed motor.			
		For 12" Roof Curb, Add	231.64		
		For Backdraft Damper, Add	162.55		
		For Solid State Speed Control, Add	120.10		
		For Damper Motor, Add	284.44		
23 34 23 00-0004	EA	1/8 HP, 863 CFM At 1/4" Static Pressure, 17" x 17" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	720.33		205.26
		Note: Three speed motor.			
		For 12" Roof Curb, Add	231.64		
		For Backdraft Damper, Add	162.55		
		For Solid State Speed Control, Add	120.10		
		For Damper Motor, Add	284.44		
23 34 23 00-0005	EA	1/6 HP, 1,213 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,019.51		239.48
		For 12" Roof Curb, Add	237.97		
		For Backdraft Damper, Add	174.63		
		For Solid State Speed Control, Add	120.10		
		For Damper Motor, Add	284.44		
23 34 23 00-0006	EA	1/4 HP, 1,374 CFM At 1/4" Static Pressure, 19" x 19" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,052.42		269.89
		For 12" Roof Curb, Add	237.97		
		For Backdraft Damper, Add	174.63		
		For Solid State Speed Control, Add	120.10		
		For Damper Motor, Add	284.44		
23 34 23 00-0007	EA	1/3 HP, 1,905 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,346.54		297.76
		For Solid State Speed Control, Add	120.10		
		For Damper Motor, Add	284.44		
23 34 23 00-0008	EA	1/2 HP, 3,072 CFM At 1/4" Static Pressure, 22" x 22" Base, Direct Drive, Aluminum, Centrifugal Roof Exhauster.....	1,527.40		316.76
		For 12" Roof Curb, Add	248.53		
		For Backdraft Damper, Add	198.27		
		For Solid State Speed Control, Add	185.56		
		For Damper Motor, Add	284.44		
23 34 23 00-0009		Belt Drive, Aluminum, Centrifugal Roof Exhausters (23 34 23 00-0001)			
		Note: Greenheck GB.			
23 34 23 00-0010	EA	1/4 HP, 1,556 CFM At 1/4" Static Pressure, 19" x 19" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,527.64		322.58
		For 12" Roof Curb, Add	237.97		
		For Backdraft Damper, Add	174.63		
		For Damper Motor, Add	284.44		
23 34 23 00-0011	EA	1/3 HP, 1,966 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	1,664.26		342.45
		For 12" Roof Curb, Add	248.53		
		For Backdraft Damper, Add	198.27		
		For Damper Motor, Add	284.44		
23 34 23 00-0012	EA	1/2 HP, 2,943 CFM At 1/4" Static Pressure, 22" x 22" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,243.37		409.26
		For 12" Roof Curb, Add	248.53		
		For Backdraft Damper, Add	198.27		
		For Damper Motor, Add	284.44		
23 34 23 00-0013	EA	3/4 HP, 4,289 CFM At 1/4" Static Pressure, 30" x 30" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	2,858.86		506.82
		For 12" Roof Curb, Add	299.21		
		For Backdraft Damper, Add	247.90		
		For Damper Motor, Add	284.44		
23 34 23 00-0014	EA	1 HP, 6,157 CFM At 1/4" Static Pressure, 34" x 34" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster.....	3,764.67		633.53
		For 12" Roof Curb, Add	322.44		
		For Backdraft Damper, Add	268.65		
		For Damper Motor, Add	284.44		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 23 00-0015	EA		1-1/2 HP, 8,906 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster ..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	6,062.53 358.34 298.05 284.44	791.92
23 34 23 00-0016	EA		2 HP, 10,059 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	6,113.21 358.34 298.05 284.44	791.92
23 34 23 00-0017	EA		3 HP, 11,703 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	6,660.12 358.34 298.05 284.44	791.92
23 34 23 00-0018	EA		5 HP, 13,897 CFM At 1/4" Static Pressure, 40" x 40" Base, Belt Drive, Aluminum, Centrifugal Roof Exhauster..... <i>For 12" Roof Curb, Add</i> <i>For Backdraft Damper, Add</i> <i>For Damper Motor, Add</i>	5,411.98 358.34 298.05 284.44	791.92
<b>23 34 23 00-0019</b>			<b>Propeller Exhaust Fans, Roof Mounted Upblast</b> (23 34 23 00-0001) Note: Includes back draft damper and birdscreen and curb.		
23 34 23 00-0020	EA		30,300 CFM Belt Drive 5 HP Propeller Exhaust Fan, Roof Mounted, 3/8" Static Pressure .....	8,832.31	974.37
23 34 23 00-0021	EA		36,000 CFM Belt Drive 15 HP Propeller Exhaust Fan, Roof Mounted, 1/2" Static Pressure .....	14,474.13	1,266.68
<b>23 34 23 00-0022</b>			<b>Belt Drive Supply Fans</b> (23 34 23 00-0001)		
23 34 23 00-0023	EA		4,500 CFM, 24" x 24" Supply Fan, Roof Mounted .....	3,489.83	505.93
23 34 23 00-0024	EA		10,000 CFM, 36" x 36" Supply Fan, Roof Mounted .....	4,716.59	633.41
<b>23 34 23 00-0025</b>			<b>Fan Thermostat</b> (23 34 23 00-0001)		
23 34 23 00-0026	EA		50 To 120 Degree Line Voltage Fan Thermostat.....	164.29	
<b>23 34 23 00-0027</b>			<b>Power Wall Ventilators</b> (23 34 23)		
<b>23 34 23 00-0028</b>			<b>Centrifugal Sidewall Exhausters</b> (23 34 23 00-0027)		
<b>23 34 23 00-0029</b>			<b>Direct Drive, Aluminum, Centrifugal Sidewall Exhauster</b> (23 34 23 00-0028) Note: Greenheck CW.		
23 34 23 00-0030	EA		1/25 HP, 297 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	873.44 185.56 225.06 487.65 139.31	204.00
23 34 23 00-0031	EA		1/8 HP, 861 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,003.39 185.56 248.69 487.65 165.91	239.48
23 34 23 00-0032	EA		1/6 HP, 1,179 CFM At 1/4" Static Pressure, Direct Drive, Aluminum, Centrifugal Sidewall Exhauster .....	1,479.19 185.56 280.99 487.65 192.50	269.89
<b>23 34 23 00-0033</b>			<b>Belt Drive, Aluminum, Centrifugal Sidewall Exhausters</b> (23 34 23 00-0028) Note: Greenheck CWB.		
23 34 23 00-0034	EA		1/4 HP, 1,633 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,616.86 185.56 260.09 487.65 293.01	152.33
23 34 23 00-0035	EA		1/2 HP, 2,291 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	2,765.09 185.56 260.09 487.65 293.01	171.54
23 34 23 00-0036	EA		3/4 HP, 3,646 CFM At 1/4" Static Pressure, Belt Drive, Aluminum, Centrifugal Sidewall Exhauster .....	3,395.18 185.56 326.31 487.65 340.72	196.24
<b>23 34 33</b>			<b>Air Curtains</b> (23 34)		
23 34 33 00-0001			Unheated Air Curtains For Entrances (23 34 33)		
23 34 33 00-0002			Unheated Air Curtains, Standard Velocity (23 34 33 00-0001)		



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 34 HVAC Fans**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 34 33 00-0003	EA Air Curtain For 3' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,543.07 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	928.76
23 34 33 00-0004	EA Air Curtain For 3.5' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,576.46 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	928.76
23 34 33 00-0005	EA Air Curtain For 4' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,612.63 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	928.76
23 34 33 00-0006	EA Air Curtain For 5' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,210.85 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	928.76
23 34 33 00-0007	EA Air Curtain For 6' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,653.79 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	1,115.02
23 34 33 00-0008	EA Air Curtain For 7' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,862.47 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	1,115.02
23 34 33 00-0009	EA Air Curtain For 8' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,289.33 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	1,286.07
23 34 33 00-0010	EA Air Curtain For 9' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,122.66 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	1,286.07
23 34 33 00-0011	EA Air Curtain For 10' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 1Ø, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 1Ø For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 1Ø, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,228.39 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	1,286.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0012	EA		Air Curtain For 12' x 8' - 10' Personnel Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Commercial Magnetic Reed Switch with Controller and Adjustable Time Delay - 115, 208-230 Volt 10, Add For Commercial Magnetic Reed Switch with Controller - 115, 208-230 Volt 10 For Door Limit switch with Controller and Adjustable Time Delay - 115, 208-230 Volt, 10, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,509.41 206.22 561.39 417.03 641.58 162.14 324.29 389.15 410.77	1,286.07
<b>23 34 33 00-0013 Unheated Air Curtains, High Velocity (23 34 33 00-0001)</b>					
23 34 33 00-0014	EA		High Velocity Air Curtain For 3' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,096.77 206.22 324.29 162.14 324.29 389.15 410.77	928.76
23 34 33 00-0015	EA		High Velocity Air Curtain For 3.5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,139.89 206.22 324.29 162.14 324.29 389.15 410.77	928.76
23 34 33 00-0016	EA		High Velocity Air Curtain For 4' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,157.98 206.22 324.29 162.14 324.29 389.15 410.77	928.76
23 34 33 00-0017	EA		High Velocity Air Curtain For 5' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	3,192.76 206.22 324.29 162.14 324.29 389.15 410.77	928.76
23 34 33 00-0018	EA		High Velocity Air Curtain For 6' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,922.57 206.22 324.29 162.14 324.29 389.15 410.77	1,115.02
23 34 33 00-0019	EA		High Velocity Air Curtain For 7' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,136.81 206.22 324.29 162.14 324.29 389.15 410.77	1,115.02
23 34 33 00-0020	EA		High Velocity Air Curtain For 8' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,484.37 206.22 324.29 162.14 324.29 389.15 410.77	1,286.07
23 34 33 00-0021	EA		High Velocity Air Curtain For 9' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,225.88 206.22 324.29 162.14 324.29 389.15 410.77	1,286.07
23 34 33 00-0022	EA		High Velocity Air Curtain For 10' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,303.79 206.22 324.29 162.14 324.29 389.15 410.77	1,286.07

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 34 HVAC Fans**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 34 33 00-0023	EA		High Velocity Air Curtain For 12' x 10' - 12' Entrance, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Industrial Floor-Mounted Magnetic Reed Switch Only, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,607.07 206.22 324.29 162.14 324.29 389.15 410.77	1,286.07
<b>23 34 33 00-0024</b>			<b>Service Window Unheated Air Curtains</b> (23 34 33 00-0001) Note: Normal window sizes.		
23 34 33 00-0025	EA		Air Curtain For 2.5' x 5' Service Window, Unheated..... Note: Includes housing, mounting brackets and manual controls. For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	2,325.46 206.22 162.14 324.29 389.15 410.77	732.36
<b>23 34 33 00-0026</b>			<b>Heated Air Curtains For Entrances</b> (23 34 33) Note: Includes housing, mounting brackets and manual controls.		
23 34 33 00-0027	EA		60" Heated Air Curtain With 1- 300 MBH Heater..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,320.66 206.22 162.14 324.29 389.15 410.77	817.89
23 34 33 00-0028	EA		60" Heated Air Curtain With 1- 400 MBH Heater..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	4,678.59 206.22 162.14 324.29 389.15 410.77	817.89
23 34 33 00-0029	EA		72" Heated Air Curtain With 1- 350 MBH Heater..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,183.98 206.22 162.14 324.29 389.15 410.77	981.34
23 34 33 00-0030	EA		72" Heated Air Curtain With 2- 250 MBH Heaters..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	5,613.50 206.22 162.14 324.29 389.15 410.77	981.34
23 34 33 00-0031	EA		96" Heated Air Curtain With 1- 400 MBH Heater..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	6,910.89 206.22 162.14 324.29 389.15 410.77	1,308.25
23 34 33 00-0032	EA		96" Heated Air Curtain With 2- 350 MBH Heaters..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	7,483.58 206.22 162.14 324.29 389.15 410.77	1,308.25
23 34 33 00-0033	EA		117" Heated Air Curtain With 2- 300 MBH Heaters..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	8,421.49 206.22 162.14 324.29 389.15 410.77	1,593.97
23 34 33 00-0034	EA		117" Heated Air Curtain With 2- 400 MBH Heaters..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	9,119.46 206.22 162.14 324.29 389.15 410.77	1,593.97
23 34 33 00-0035	EA		147" Heated Air Curtain With 2- 350 MBH Heaters..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	10,581.58 206.22 162.14 324.29 389.15 410.77	2,002.60
23 34 33 00-0036	EA		147" Heated Air Curtain With 3- 350 MBH Heaters..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	12,317.54 206.22 162.14 324.29 389.15 410.77	2,002.60
23 34 33 00-0037	EA		168" Heated Air Curtain With 2- 400 MBH Heaters..... For Door Limit Switch, Combination Roller And Plunger, Add For Flat Side Extension Plates, Add For Clearance Adjustable-Angle Mounting Bracket, Add For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add	12,094.06 206.22 162.14 324.29 389.15 410.77	2,288.95

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 34 33 00-0038	EA		168" Heated Air Curtain With 3- 400 MBH Heaters ..... <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	14,077.59 206.22 162.14 324.29 389.15 410.77	2,288.95
23 34 33 00-0039	EA		192" Heated Air Curtain With 2- 400 MBH Heaters ..... <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	13,817.46 206.22 162.14 324.29 389.15 410.77	2,615.85
23 34 33 00-0040	EA		192" Heated Air Curtain With 4- 350 MBH Heaters ..... <i>For Door Limit Switch, Combination Roller And Plunger, Add</i> <i>For Flat Side Extension Plates, Add</i> <i>For Clearance Adjustable-Angle Mounting Bracket, Add</i> <i>For 10" To 16" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i> <i>For 19" Clearance Drum-Roll-Style Extended Wall Mounting Bracket, Add</i>	16,084.35 206.22 162.14 324.29 389.15 410.77	2,615.85

**23 35 Special Exhaust Systems (23 30)**

See CSI section 23 31 13 16-0075 for spiral duct/piping.

**23 35 16 Engine Exhaust Systems (23 35)**

**23 35 16 16 Mechanical Engine Exhaust Systems (23 35 16)**

23 35 16 16-0001			Tailpipe Exhaust Equipment (23 35 16 16)		
23 35 16 16-0002			Overhead Tailpipe Exhaust System (23 35 16 16-0001)		
23 35 16 16-0003			Overhead Tailpipe Exhaust Blowers (23 35 16 16-0002)		
23 35 16 16-0004			Overhead Direct Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0005	EA		495 CFM 1/3 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System .....	3,861.97	269.89
23 35 16 16-0006	EA		1,445 CFM 3/4 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System .....	4,484.15	551.17
23 35 16 16-0007	EA		1,840 CFM 1-1/2 HP Tailpipe Exhaust Blower, Direct Drive, Overhead System .....	6,235.02	667.74

23 35 16 16-0008			Overhead Belt Drive Tailpipe Exhaust Blowers (23 35 16 16-0003)		
23 35 16 16-0009	EA		1,400 CFM 1 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	4,360.79	551.17
23 35 16 16-0010	EA		2,023 CFM 1-1/2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System .....	4,650.37	667.74
23 35 16 16-0011	EA		2,750 CFM 2 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	5,582.31	1,056.74
23 35 16 16-0012	EA		4,400 CFM 3 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	6,835.87	1,363.36
23 35 16 16-0013	EA		7,060 CFM 5 HP Tailpipe Exhaust Blower, Belt Drive, Overhead System.....	8,633.14	1,624.38

**23 35 16 16-0014 Spiral Exhaust Duct Accessories (23 35 16 16-0002)**

**23 35 16 16-0015 Flex Hose x Length (23 35 16 16-0014)**

Note: Includes duct coupler, damper and tailpipe adapter.

23 35 16 16-0016	EA		3" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	194.29	67.16
23 35 16 16-0017	EA		3" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	166.48	67.16
23 35 16 16-0018	EA		4" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	298.14	106.43
23 35 16 16-0019	EA		4" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	251.67	106.43
23 35 16 16-0020	EA		5" x 20' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	423.87	168.52
23 35 16 16-0021	EA		5" x 20' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	407.23	168.52
23 35 16 16-0022	EA		6" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	648.13	267.35
23 35 16 16-0023	EA		6" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	613.15	267.35

**23 35 16 16-0024 Flex Hose With Duct Coupler, Damper And Diesel Exhaust Adapter (23 35 16 16-0014)**

23 35 16 16-0025	EA		4" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	216.47	67.16
23 35 16 16-0026	EA		5" x 15' Neoprene Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	314.34	106.43
23 35 16 16-0027	EA		4" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	184.43	67.16
23 35 16 16-0028	EA		5" x 17' Galvanized Spiral Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter.....	266.81	106.43
23 35 16 16-0029	EA		6" x 25' High Pressure, Stainless Steel Exhaust Flexible Hose With Duct Coupler, Damper, Tailpipe Adapter .....	1,684.23	90.47
23 35 16 16-0030	EA		8" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter .....	1,476.38	165.99
23 35 16 16-0031	EA		10" x 15' Heat-Resistant Fabric Flex Hose (650 Degree F.) With Duct Coupler, Damper And Tail-Pipe Adapter.....	1,627.00	165.99
23 35 16 16-0032	LF		8" Heat-Resistant Fabric Flex Hose (650 Degree F.) .....	78.40	12.92
23 35 16 16-0033	LF		10" Heat-Resistant Fabric Flex Hose (650 Degree F.).....	87.65	12.92

**23 35 16 16-0034 Flexible Hose (23 35 16 16-0014)**

23 35 16 16-0035	LF		3" Stainless Steel Flexible Tubing .....	43.34	3.17
23 35 16 16-0036	LF		4" Stainless Steel Flexible Tubing .....	55.13	3.54
23 35 16 16-0037	LF		5" Stainless Steel Flexible Tubing .....	65.49	3.68
23 35 16 16-0038	LF		6" Stainless Steel Flexible Tubing .....	77.29	3.93
23 35 16 16-0039	LF		3" Galvanized Flexible Tubing .....	26.87	3.17
23 35 16 16-0040	LF		4" Galvanized Flexible Tubing .....	31.58	3.54
23 35 16 16-0041	LF		5" Galvanized Flexible Tubing .....	36.24	3.68
23 35 16 16-0042	LF		6" Galvanized Flexible Tubing .....	40.47	3.93

**23 35 16 16-0043 Accessories (23 35 16 16-0002)**

23 35 16 16-0044	EA		3" Tail Pipe Adapter.....	64.98	9.50
23 35 16 16-0045	EA		4" Tail Pipe Adapter.....	66.82	9.50



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 35 Special Exhaust Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 35 16 16-0046	EA	5" Tail Pipe Adapter.....	71.19	10.77
23 35 16 16-0047	EA	3" Bullnose (Guide).....	36.17	6.34
23 35 16 16-0048	EA	4" Bullnose (Guide).....	38.46	6.97
23 35 16 16-0049	EA	5" Bullnose (Guide).....	41.05	7.60
23 35 16 16-0050	EA	Flex-Hose Winch And Associated Hardware.....	267.42	71.84
23 35 16 16-0051	LF	Flex-Hose Winch Cable, 1/8" Galvanized Wire Rope.....	0.15	

**23 35 19 Fume Exhaust Systems (23 35)**

23 35 19 00-0001	EA	Fume Exhauster, 1 1/2 HP 630 CFM With Out Hose And Intake Nozzle.....	2,745.41	506.45
23 35 19 00-0002	EA	Hose Extension Kit 5'.....	455.97	112.51

**23 36 Air Terminal Units (23 30)****23 36 13 Constant-Air-Volume Units (23 36)****23 36 13 00-0001 Vertical Units, With Electric Heating Coils (23 36 13)**

23 36 13 00-0002	EA	60 CFM Vertical Induction Unit, With Electric Heating Coils.....	1,862.36	196.48
23 36 13 00-0003	EA	90 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,231.74	211.59
23 36 13 00-0004	EA	120 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,378.67	219.14
23 36 13 00-0005	EA	150 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,540.71	234.26
23 36 13 00-0006	EA	175 CFM Vertical Induction Unit, With Electric Heating Coils.....	2,858.19	241.81

**23 36 13 00-0007 Horizontal Units, With Electric Heating Coils (23 36 13)**

23 36 13 00-0008	EA	60 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,591.16	196.48
23 36 13 00-0009	EA	90 CFM Horizontal Induction Unit, With Electric Heating Coils.....	1,892.58	211.59
23 36 13 00-0010	EA	120 CFM Horizontal Induction Unit, With Electric Heating Coils.....	2,247.92	222.93

**23 36 13 00-0011 Duct Boxes, Constant Volume Control (23 36 13)****23 36 13 00-0012 Single Duct Boxes, Constant Volume Control (23 36 13 00-0011)**

23 36 13 00-0013	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Single Duct Boxes, Constant Volume Control.....	1,443.11	52.15
		<i>For Boxes With Motor, Add</i>	247.45	
23 36 13 00-0014	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Single Duct Boxes, Constant Volume Control.....	1,597.05	56.27
		<i>For Boxes With Motor, Add</i>	274.50	
23 36 13 00-0015	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Single Duct Boxes, Constant Volume Control.....	1,660.07	61.75
		<i>For Boxes With Motor, Add</i>	282.61	
23 36 13 00-0016	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Single Duct Boxes, Constant Volume Control.....	1,690.65	64.49
		<i>For Boxes With Motor, Add</i>	286.67	
23 36 13 00-0017	EA	12" Diameter Inlet, 250 - 1,200 CFM, Single Duct Boxes, Constant Volume Control.....	1,717.27	71.36
		<i>For Boxes With Motor, Add</i>	286.67	
23 36 13 00-0018	EA	14" Diameter Inlet, 350 - 1,680 CFM, Single Duct Boxes, Constant Volume Control.....	1,963.73	79.59
		<i>For Boxes With Motor, Add</i>	328.59	
23 36 13 00-0019	EA	16" Diameter Inlet, 450 - 2,160 CFM, Single Duct Boxes, Constant Volume Control.....	2,061.77	89.20
		<i>For Boxes With Motor, Add</i>	340.76	
23 36 13 00-0020	EA	20" x 16" Inlet, 550 - 2,640 CFM, Single Duct Boxes, Constant Volume Control.....	2,191.11	107.04
		<i>For Boxes With Motor, Add</i>	353.04	
23 36 13 00-0021	EA	24" x 16" Inlet, 650 - 3,120 CFM, Single Duct Boxes, Constant Volume Control.....	2,319.51	123.51
		<i>For Boxes With Motor, Add</i>	365.10	

**23 36 13 00-0022 Dual Duct Boxes, Constant Volume Control (23 36 13 00-0011)**

23 36 13 00-0023	EA	4 - 6" Diameter Inlet, 50 - 240 CFM, Dual Duct Boxes, Constant Volume Control.....	2,025.16	52.15
		<i>For Boxes With Motor, Add</i>	363.86	
23 36 13 00-0024	EA	6 - 8" Diameter Inlet, 100 - 480 CFM, Dual Duct Boxes, Constant Volume Control.....	2,166.70	56.27
		<i>For Boxes With Motor, Add</i>	388.43	
23 36 13 00-0025	EA	7 - 10" Diameter Inlet, 150 - 720 CFM, Dual Duct Boxes, Constant Volume Control.....	2,262.09	61.75
		<i>For Boxes With Motor, Add</i>	403.01	
23 36 13 00-0026	EA	9 - 12" Diameter Inlet, 200 - 960 CFM, Dual Duct Boxes, Constant Volume Control.....	2,356.82	64.49
		<i>For Boxes With Motor, Add</i>	419.90	
23 36 13 00-0027	EA	12" Diameter Inlet, 250 - 1,200 CFM, Dual Duct Boxes, Constant Volume Control.....	2,383.44	71.36
		<i>For Boxes With Motor, Add</i>	419.90	
23 36 13 00-0028	EA	14" Diameter Inlet, 350 - 1,680 CFM, Dual Duct Boxes, Constant Volume Control.....	2,738.89	80.96
		<i>For Boxes With Motor, Add</i>	483.62	
23 36 13 00-0029	EA	16" Diameter Inlet, 450 - 2,160 CFM, Dual Duct Boxes, Constant Volume Control.....	2,994.66	89.20
		<i>For Boxes With Motor, Add</i>	527.37	
23 36 13 00-0030	EA	20" x 16" Inlet, 550 - 2,640 CFM, Dual Duct Boxes, Constant Volume Control.....	3,227.80	107.04
		<i>For Boxes With Motor, Add</i>	560.38	
23 36 13 00-0031	EA	24" x 16" Inlet, 650 - 3,120 CFM, Dual Duct Boxes, Constant Volume Control.....	3,372.70	123.51
		<i>For Boxes With Motor, Add</i>	575.73	

**23 36 16 Variable-Air-Volume Units (23 36)****23 36 16 00-0001 Variable Volume Terminal Unit (23 36 16)**

Note: Includes flow controllers, insulated plenum, system powered box mounted thermostat.

**23 36 16 00-0002 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)**

Note: Enclosure only. For mounting DDC controls.

23 36 16 00-0003	EA	6" Diameter Inlet, 80 To 500 CFM, Variable Air Volume Box With Enclosure Only.....	637.30	63.12
		Note: For mounting DDC controls		
		<i>For Filters And Frames, Add</i>	6.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 36 16 00-0004	EA		8" Diameter Inlet, 145 To 900 CFM, Variable Air Volume Box With Enclosure Only ..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	713.42 6.30	71.36
23 36 16 00-0005	EA		10" Diameter Inlet, 230 To 1,400 CFM, Variable Air Volume Box With Enclosure Only ..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	794.44 6.30	79.59
23 36 16 00-0006	EA		12" Diameter Inlet, 325 To 2,000 CFM, Variable Air Volume Box With Enclosure Only ..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	848.79 6.30	89.20
23 36 16 00-0007	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With Enclosure Only ..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	1,169.79 6.30	191.99
23 36 16 00-0008	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With Enclosure Only ..... Note: For mounting DDC controls <i>For Filters And Frames, Add</i>	1,417.74 6.30	227.80
<b>23 36 16 00-0009 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)</b>					
Note: With pneumatic controls.					
23 36 16 00-0010	EA		6" Diameter Inlet, 80 - 500 CFM, Variable Air Volume Box With pneumatic controller ..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,317.33 1,378.92 433.04 67.57 6.30	63.12
23 36 16 00-0011	EA		8" Diameter Inlet, 145 - 900 CFM, Variable Air Volume Box With pneumatic controller ..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,425.37 1,477.05 462.91 67.57 6.30	71.36
23 36 16 00-0012	EA		10" Diameter Inlet, 230 - 1,400 CFM, Variable Air Volume Box With pneumatic controller ..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,494.12 1,523.45 475.85 67.57 6.30	79.59
23 36 16 00-0013	EA		12" Diameter Inlet, 325 - 2,000 CFM, Variable Air Volume Box With pneumatic controller ..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,560.74 1,566.84 487.80 67.57 6.30	89.20
23 36 16 00-0014	EA		14" Diameter Inlet, 450 To 3,000 CFM, Variable Air Volume Box With pneumatic controller ..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	1,815.46 1,759.38 543.54 67.57 6.30	191.99
23 36 16 00-0015	EA		16" Diameter Inlet, 580 To 4,000 CFM, Variable Air Volume Box With pneumatic controller ..... <i>For Fan Powered Variable Air Volume Box, Add</i> <i>For Hot Water Coils, Add</i> <i>For Pressure Independent Actuator, Add</i> <i>For Filters And Frames, Add</i>	2,117.41 1,910.18 580.38 67.57 6.30	227.80
<b>23 36 16 00-0016 Single Duct Variable Volume Terminal Unit (23 36 16 00-0001)</b>					
Note: With analog electronic controls.					
23 36 16 00-0017	EA		6" Diameter Inlet, 60 To 500 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,164.31 776.49 6.30	63.12
23 36 16 00-0018	EA		8" Diameter Inlet, 105 To 900 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,252.71 798.39 6.30	71.36
23 36 16 00-0019	EA		10" Diameter Inlet, 165 To 1,400 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,333.73 816.31 6.30	79.59
23 36 16 00-0020	EA		12" Diameter Inlet, 235 To 2,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,446.99 847.17 6.30	89.20
23 36 16 00-0021	EA		14" Diameter Inlet, 320 To 3,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,704.17 903.92 6.30	191.99
23 36 16 00-0022	EA		16" Diameter Inlet, 420 To 4,000 CFM, Variable Air Volume Box With Analog Electronic Controls ..... <i>For Hot Water Coils, Add</i> <i>For Filters And Frames, Add</i>	2,753.27 923.83 6.30	191.99
<b>23 36 16 00-0023 Dual Duct Variable Volume Terminal Unit (23 36 16 00-0001)</b>					
Note: With flow control installation, plenum system power box, thermostat.					
23 36 16 00-0024	EA		6" Diameter Inlet, 75 - 500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,489.30 6.30	124.74
23 36 16 00-0025	EA		8" Diameter Inlet, 200 - 700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,629.34 6.30	142.04
23 36 16 00-0026	EA		10" Diameter Inlet, 400 - 1,000 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,745.35 6.30	160.42
23 36 16 00-0027	EA		12" Diameter Inlet, 600 - 1,400 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	1,914.44 6.30	178.95
23 36 16 00-0028	EA		14" Diameter Inlet, 800 - 2,700 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	2,152.82 6.30	205.84
23 36 16 00-0029	EA		16" Diameter Inlet, 1,000 - 3,500 CFM, Variable Air Volume Box, Dual Duct..... <i>For Filters And Frames, Add</i>	2,367.05 6.30	247.02

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 36 Air Terminal Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 36 16 00-0030 Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)** (23 36 16 00-0001)

23 36 16 00-0031	EA	0	To 200 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-A)	655.57	85.77
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0032	EA	0	To 300 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-B)	711.75	94.34
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0033	EA	0	To 400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-C)	769.47	102.92
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0034	EA	0	To 700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-D)	828.81	111.50
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0035	EA	0	To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-E)	889.93	120.08
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0036	EA	0	To 1,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-F)	952.90	128.65
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0037	EA	0	To 1,100 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-G)	1,023.05	137.23
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0038	EA	0	To 1,900 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-H)	1,090.54	145.81
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0039	EA	0	To 2,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-J)	1,160.37	154.39
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0040	EA	0	To 3,800 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-K)	1,232.67	162.97
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0041	EA	0	To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-L)	1,307.64	171.54
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0042	EA	0	To 5,400 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-M)	1,385.44	180.12
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0043	EA	0	To 6,700 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-N)	1,466.30	188.69
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0044	EA	0	To 10,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-P)	1,543.36	197.27
			<i>For Filters And Frames, Add</i>	6.30	
23 36 16 00-0045	EA	0	To 15,000 CFM Digital Control, Constant Volume To Variable Volume Retrofit Terminal Unit (Titus DQCV-R)	1,630.47	205.84
			<i>For Filters And Frames, Add</i>	6.30	

**23 37 Air Outlets and Inlets** (23 30)

**23 37 13 Diffusers, Registers, and Grilles** (23 37)

**23 37 13 13 Diffusers, Registers, and Grilles** (23 37 13)

**23 37 13 13-0001 Ceiling Diffusers** (23 37 13 13)

**23 37 13 13-0002 Ceiling Diffusers With Perforated Face** (23 37 13 13-0001)

Note: Flush mount, aluminum construction, includes damper.

23 37 13 13-0003	EA	6" x 6"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	135.05	17.84
			<i>For Steel Construction, Deduct</i>	-9.67	
			<i>For Surface Mount, Deduct</i>	-7.74	
			<i>For Diffuser Without Damper, Deduct</i>	-12.89	
			<i>For Stainless Steel, Add</i>	161.18	
23 37 13 13-0004	EA	8" x 8"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	149.38	17.84
			<i>For Steel Construction, Deduct</i>	-11.82	
			<i>For Surface Mount, Deduct</i>	-9.46	
			<i>For Diffuser Without Damper, Deduct</i>	-15.76	
			<i>For Stainless Steel, Add</i>	197.00	
23 37 13 13-0005	EA	9" x 9"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	149.38	17.84
			<i>For Steel Construction, Deduct</i>	-11.82	
			<i>For Surface Mount, Deduct</i>	-9.46	
			<i>For Diffuser Without Damper, Deduct</i>	-15.76	
			<i>For Stainless Steel, Add</i>	197.00	
23 37 13 13-0006	EA	10" x 10"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	179.50	21.96
			<i>For Steel Construction, Deduct</i>	-14.15	
			<i>For Surface Mount, Deduct</i>	-11.32	
			<i>For Diffuser Without Damper, Deduct</i>	-18.86	
			<i>For Stainless Steel, Add</i>	235.80	
23 37 13 13-0007	EA	12" x 12"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	179.50	20.59
			<i>For Steel Construction, Deduct</i>	-14.15	
			<i>For Surface Mount, Deduct</i>	-11.32	
			<i>For Diffuser Without Damper, Deduct</i>	-18.86	
			<i>For Stainless Steel, Add</i>	235.80	
23 37 13 13-0008	EA	16" x 16"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	205.77	20.59
			<i>For Steel Construction, Deduct</i>	-18.09	
			<i>For Surface Mount, Deduct</i>	-14.47	
			<i>For Diffuser Without Damper, Deduct</i>	-24.12	
			<i>For Stainless Steel, Add</i>	301.48	
23 37 13 13-0009	EA	18" x 18"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	236.60	27.45
			<i>For Steel Construction, Deduct</i>	-19.45	
			<i>For Surface Mount, Deduct</i>	-15.56	
			<i>For Diffuser Without Damper, Deduct</i>	-25.93	
			<i>For Stainless Steel, Add</i>	324.15	
23 37 13 13-0010	EA	20" x 20"	Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper	274.18	28.82
			<i>For Steel Construction, Deduct</i>	-24.29	
			<i>For Surface Mount, Deduct</i>	-19.43	
			<i>For Diffuser Without Damper, Deduct</i>	-32.38	
			<i>For Stainless Steel, Add</i>	404.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0011	EA		24" x 24" Ceiling Diffuser With Perforated Face, Flush Mount, Aluminum Construction With Damper .....	310.74	32.94
			<i>For Steel Construction, Deduct</i>	-27.01	
			<i>For Surface Mount, Deduct</i>	-21.61	
			<i>For Lay-In Mount, Deduct</i>	-21.61	
			<i>For Diffuser Without Damper, Deduct</i>	-36.01	
			<i>For Stainless Steel, Add</i>	450.13	
<b>23 37 13 13-0012</b>			<b>Ceiling Diffusers With Louver Face</b> <small>(23 37 13 13-0001)</small>		
			Note: 1 To 4 way adjustable pattern, surface mount aluminum construction.		
23 37 13 13-0013	EA		6" x 6" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	139.83	17.84
			<i>For Steel Construction, Deduct</i>	-10.39	
			<i>For Flush Mount, Add</i>	10.39	
			<i>For Stainless Steel, Add</i>	173.13	
23 37 13 13-0014	EA		8" x 8" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	158.45	17.84
			<i>For Steel Construction, Deduct</i>	-13.18	
			<i>For Flush Mount, Add</i>	13.18	
			<i>For Stainless Steel, Add</i>	219.68	
23 37 13 13-0015	EA		9" x 9" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	158.45	17.84
			<i>For Steel Construction, Deduct</i>	-13.18	
			<i>For Flush Mount, Add</i>	13.18	
			<i>For Stainless Steel, Add</i>	219.68	
23 37 13 13-0016	EA		10" x 10" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	190.25	20.59
			<i>For Steel Construction, Deduct</i>	-15.76	
			<i>For Flush Mount, Add</i>	15.76	
			<i>For Stainless Steel, Add</i>	262.68	
23 37 13 13-0017	EA		12" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	190.25	21.96
			<i>For Steel Construction, Deduct</i>	-15.76	
			<i>For Flush Mount, Add</i>	15.76	
			<i>For Stainless Steel, Add</i>	262.68	
23 37 13 13-0018	EA		24" x 12" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	244.94	27.45
			<i>For Steel Construction, Deduct</i>	-20.63	
			<i>For Flush Mount, Add</i>	20.63	
			<i>For Stainless Steel, Add</i>	343.85	
23 37 13 13-0019	EA		14" x 14" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	219.63	27.45
			<i>For Steel Construction, Deduct</i>	-16.83	
			<i>For Flush Mount, Add</i>	16.83	
			<i>For Stainless Steel, Add</i>	280.58	
23 37 13 13-0020	EA		18" x 18" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	274.00	32.94
			<i>For Steel Construction, Deduct</i>	-21.60	
			<i>For Flush Mount, Add</i>	21.60	
			<i>For Stainless Steel, Add</i>	359.98	
23 37 13 13-0021	EA		21" x 21" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	316.17	37.06
			<i>For Steel Construction, Deduct</i>	-26.86	
			<i>For Flush Mount, Add</i>	26.86	
			<i>For Stainless Steel, Add</i>	447.73	
23 37 13 13-0022	EA		24" x 24" Ceiling Diffuser, Louver Face, Adjustable Pattern, Surface Mounted, Aluminum Construction With Damper .....	345.18	72.60
			<i>For Steel Construction, Deduct</i>	-29.98	
			<i>For Flush Mount, Add</i>	29.98	
			<i>For Lay-In Mount, Add</i>	39.97	
			<i>For Stainless Steel, Add</i>	499.68	
<b>23 37 13 13-0023</b>			<b>Round Ceiling Diffusers With Fixed Pattern</b> <small>(23 37 13 13-0001)</small>		
			Note: Aluminum construction.		
23 37 13 13-0024	EA		6" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	225.58	17.84
			<i>For Steel Construction, Deduct</i>	-46.50	
			<i>For Stainless Steel, Add</i>	387.50	
23 37 13 13-0025	EA		8" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	233.53	17.84
			<i>For Steel Construction, Deduct</i>	-48.89	
			<i>For Stainless Steel, Add</i>	407.38	
23 37 13 13-0026	EA		10" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	264.02	21.96
			<i>For Steel Construction, Deduct</i>	-53.65	
			<i>For Stainless Steel, Add</i>	447.10	
23 37 13 13-0027	EA		12" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	283.90	20.59
			<i>For Steel Construction, Deduct</i>	-59.62	
			<i>For Stainless Steel, Add</i>	496.80	
23 37 13 13-0028	EA		14" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	404.82	24.70
			<i>For Steel Construction, Deduct</i>	-91.81	
			<i>For Stainless Steel, Add</i>	765.05	
23 37 13 13-0029	EA		18" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	449.19	27.45
			<i>For Steel Construction, Deduct</i>	-102.54	
			<i>For Stainless Steel, Add</i>	854.48	
23 37 13 13-0030	EA		20" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	518.54	27.45
			<i>For Steel Construction, Deduct</i>	-121.88	
			<i>For Stainless Steel, Add</i>	1,015.65	
23 37 13 13-0031	EA		24" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	618.09	31.57
			<i>For Steel Construction, Deduct</i>	-148.37	
			<i>For Stainless Steel, Add</i>	1,236.45	
23 37 13 13-0032	EA		28" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	695.25	32.94
			<i>For Steel Construction, Deduct</i>	-169.57	
			<i>For Stainless Steel, Add</i>	1,413.10	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0033	EA		32" Round Ceiling Diffuser With Fixed Pattern, Aluminum Construction .....	829.78	37.06
			<i>For Steel Construction, Deduct</i>	-205.34	
			<i>For Stainless Steel, Add</i>	1,711.18	
<b>23 37 13 13-0034</b>			<b>Round Ceiling Diffusers With Adjustable Pattern Dropped Style</b> (23 37 13 13-0001)		
			Note: Aluminum construction.		
23 37 13 13-0035	EA		6" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	237.50	17.84
			<i>For Steel Construction, Deduct</i>	-16.69	
			<i>For Flush Mount, Deduct</i>	-8.35	
			<i>For Stainless Steel, Add</i>	417.30	
23 37 13 13-0036	EA		8" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	258.04	17.84
			<i>For Steel Construction, Deduct</i>	-18.75	
			<i>For Flush Mount, Deduct</i>	-9.37	
			<i>For Stainless Steel, Add</i>	468.65	
23 37 13 13-0037	EA		10" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	292.73	21.96
			<i>For Steel Construction, Deduct</i>	-20.76	
			<i>For Flush Mount, Deduct</i>	-10.38	
			<i>For Stainless Steel, Add</i>	518.88	
23 37 13 13-0038	EA		12" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	315.69	21.96
			<i>For Steel Construction, Deduct</i>	-23.05	
			<i>For Flush Mount, Deduct</i>	-11.53	
			<i>For Stainless Steel, Add</i>	576.28	
23 37 13 13-0039	EA		14" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	456.49	24.70
			<i>For Steel Construction, Deduct</i>	-35.77	
			<i>For Flush Mount, Deduct</i>	-17.88	
			<i>For Stainless Steel, Add</i>	894.23	
23 37 13 13-0040	EA		18" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	514.11	27.45
			<i>For Steel Construction, Deduct</i>	-40.67	
			<i>For Flush Mount, Deduct</i>	-20.34	
			<i>For Stainless Steel, Add</i>	1,016.78	
23 37 13 13-0041	EA		20" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	595.82	28.82
			<i>For Steel Construction, Deduct</i>	-48.35	
			<i>For Flush Mount, Deduct</i>	-24.18	
			<i>For Stainless Steel, Add</i>	1,208.85	
23 37 13 13-0042	EA		24" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	672.85	31.57
			<i>For Steel Construction, Deduct</i>	-54.93	
			<i>For Flush Mount, Deduct</i>	-27.47	
			<i>For Stainless Steel, Add</i>	1,373.35	
23 37 13 13-0043	EA		28" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	814.48	32.94
			<i>For Steel Construction, Deduct</i>	-68.45	
			<i>For Flush Mount, Deduct</i>	-34.22	
			<i>For Stainless Steel, Add</i>	1,711.18	
23 37 13 13-0044	EA		32" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	980.36	37.06
			<i>For Steel Construction, Deduct</i>	-83.51	
			<i>For Flush Mount, Deduct</i>	-41.75	
			<i>For Stainless Steel, Add</i>	2,087.63	
23 37 13 13-0045	EA		36" Round Ceiling Diffuser With Adjustable Pattern, Aluminum Construction .....	1,085.72	77.26
			<i>For Stainless Steel, Add</i>	2,328.33	
<b>23 37 13 13-0046</b>			<b>Linear Type Ceiling Diffusers With 2-Way Air Deflection</b> (23 37 13 13-0001)		
23 37 13 13-0047	LF		4" Linear Type Ceiling Diffuser 40-200 CFM/LF, With 2-Way Air Deflection.....	182.64	20.59
			<i>For Stainless Steel, Add</i>	250.75	
23 37 13 13-0048	LF		6-1/4" Linear Type Ceiling Diffuser, 41 - 206 CFM/LF, With 2-Way Air Deflection.....	196.27	20.59
			<i>For Stainless Steel, Add</i>	284.83	
23 37 13 13-0049	LF		9-1/4" Linear Type Ceiling Diffuser, 62 - 312 CFM/LF, With 2-Way Air Deflection.....	213.05	20.59
			<i>For Stainless Steel, Add</i>	326.78	
23 37 13 13-0050	LF		12-1/4" Linear Type Ceiling Diffuser, 131 - 656 CFM/LF, With 2-Way Air Deflection.....	229.39	20.59
			<i>For Stainless Steel, Add</i>	367.63	
<b>23 37 13 13-0051</b>			<b>Wall And Floor Diffusers</b> (23 37 13 13)		
<b>23 37 13 13-0052</b>			<b>Slot Type Linear Diffusers</b> (23 37 13 13-0051)		
			Note: For sidewall sill or ceiling 1/2" 3/4" or 1" slot spacing 1-1/8" border.		
23 37 13 13-0053	LF		1 Slot Linear Diffusers 10 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	61.94	6.86
			<i>For 3/4" Border, Add</i>	8.28	
			<i>For Floor Mounted Diffusers, Add</i>	9.94	
			<i>For Stainless Steel, Add</i>	43.06	
23 37 13 13-0054	LF		2 Slot Linear Diffusers 20 - 140 CFM/LF, Sidewall, Sill, Ceiling.....	75.71	8.23
			<i>For 3/4" Border, Add</i>	11.04	
			<i>For Floor Mounted Diffusers, Add</i>	13.25	
			<i>For Stainless Steel, Add</i>	57.41	
23 37 13 13-0055	LF		3 Slot Linear Diffusers 30 - 210 CFM/LF, Sidewall, Sill, Ceiling.....	105.24	9.61
			<i>For 3/4" Border, Add</i>	17.39	
			<i>For Floor Mounted Diffusers, Add</i>	20.87	
			<i>For Stainless Steel, Add</i>	90.42	
23 37 13 13-0056	LF		4 Slot Linear Diffusers 40 - 280 CFM/LF, Sidewall, Sill, Ceiling.....	139.14	9.61
			<i>For 3/4" Border, Add</i>	24.84	
			<i>For Floor Mounted Diffusers, Add</i>	29.81	
			<i>For Stainless Steel, Add</i>	129.17	
23 37 13 13-0057	LF		5 Slot Linear Diffusers 50 - 350 CFM/LF, Sidewall, Sill, Ceiling.....	174.49	10.98
			<i>For 3/4" Border, Add</i>	32.29	
			<i>For Floor Mounted Diffusers, Add</i>	38.75	
			<i>For Stainless Steel, Add</i>	167.92	
23 37 13 13-0058	LF		6 Slot Linear Diffusers 60 - 420 CFM/LF, Sidewall, Sill, Ceiling.....	204.46	13.72
			<i>For 3/4" Border, Add</i>	38.09	
			<i>For Floor Mounted Diffusers, Add</i>	45.71	
			<i>For Stainless Steel, Add</i>	198.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 37 13 13-0059 Linear Bar Grilles And Registers (23 37 13 13-0051)</b>					
Note: For sidewall sill or ceiling or 15 degree deflection 1/2" bar spacing 1" border aluminum construction.					
23 37 13 13-0060	LF		2" Wide Linear Bar Grilles/Registers 30 - 70 CFM/LF, Sidewall, Sill, Ceiling.....	191.63	8.23
			For Floor Mount, Add	16.01	
			For Opposed Blade Damper, Add	32.02	
			For Stainless Steel, Add	208.10	
23 37 13 13-0061	LF		3" Wide Linear Bar Grilles/Registers 55 - 143 CFM/LF, Sidewall, Sill, Ceiling.....	228.89	9.61
			For Floor Mount, Add	19.32	
			For Opposed Blade Damper, Add	38.64	
			For Stainless Steel, Add	251.16	
23 37 13 13-0062	LF		4" Wide Linear Bar Grilles/Registers 80 - 208 CFM/LF, Sidewall, Sill, Ceiling.....	249.54	9.61
			For Floor Mount, Add	20.98	
			For Opposed Blade Damper, Add	41.95	
			For Stainless Steel, Add	272.69	
23 37 13 13-0063	LF		6" Wide Linear Bar Grilles/Registers 125 - 325 CFM/LF, Sidewall, Sill, Ceiling.....	306.03	13.72
			For Floor Mount, Add	25.39	
			For Opposed Blade Damper, Add	50.78	
			For Stainless Steel, Add	330.10	
23 37 13 13-0064	LF		9" Wide Linear Bar Grilles/Registers 225 - 450 CFM/LF, Sidewall, Sill, Ceiling.....	423.24	17.84
			For Floor Mount, Add	35.33	
			For Opposed Blade Damper, Add	70.65	
			For Stainless Steel, Add	459.25	
23 37 13 13-0065	LF		12" Wide Linear Bar Grilles/Registers 225 - 495 CFM/LF, Sidewall, Sill, Ceiling.....	488.13	20.59
			For Floor Mount, Add	40.30	
			For Opposed Blade Damper, Add	80.59	
			For Stainless Steel, Add	523.84	
<b>23 37 13 13-0066 Return/Exhaust Registers And Grilles (23 37 13 13)</b>					
<b>23 37 13 13-0067 Return/Exhaust Registers With Frame (23 37 13 13-0066)</b>					
Note: Single deflection with opposed blade damper aluminum construction wall or ceiling mount.					
23 37 13 13-0068	EA		8" x 4" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	131.46	10.98
			For Steel Construction, Deduct	-17.77	
			For Grilles (No Damper), Deduct	-35.55	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	8.89	
			For Cube Core Lay In, Add	17.77	
			For Stainless Steel, Add	222.18	
23 37 13 13-0069	EA		8" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	150.78	10.98
			For Steel Construction, Deduct	-21.64	
			For Grilles (No Damper), Deduct	-43.28	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	10.82	
			For Cube Core Lay In, Add	21.64	
			For Stainless Steel, Add	270.48	
23 37 13 13-0070	EA		10" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	169.19	12.35
			For Steel Construction, Deduct	-23.96	
			For Grilles (No Damper), Deduct	-47.91	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	11.98	
			For Cube Core Lay In, Add	23.96	
			For Stainless Steel, Add	299.45	
23 37 13 13-0071	EA		10" x 10" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	177.23	13.72
			For Steel Construction, Deduct	-23.96	
			For Grilles (No Damper), Deduct	-47.91	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	11.98	
			For Cube Core Lay In, Add	23.96	
			For Stainless Steel, Add	299.45	
23 37 13 13-0072	EA		12" x 6" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	169.50	13.72
			For Steel Construction, Deduct	-22.41	
			For Grilles (No Damper), Deduct	-44.82	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	11.21	
			For Cube Core Lay In, Add	22.41	
			For Stainless Steel, Add	280.13	
23 37 13 13-0073	EA		12" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	217.41	17.84
			For Steel Construction, Deduct	-29.37	
			For Grilles (No Damper), Deduct	-58.73	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	14.68	
			For Cube Core Lay In, Add	29.37	
			For Stainless Steel, Add	367.08	
23 37 13 13-0074	EA		16" x 16" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	260.49	20.59
			For Steel Construction, Deduct	-35.06	
			For Grilles (No Damper), Deduct	-70.12	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	17.53	
			For Cube Core Lay In, Add	35.06	
			For Stainless Steel, Add	438.28	
23 37 13 13-0075	EA		18" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	319.03	24.70
			For Steel Construction, Deduct	-44.05	
			For Grilles (No Damper), Deduct	-88.09	
			For Removable Core, Add	35.00	
			For Cube Core With Frame, Add	22.02	
			For Cube Core Lay In, Add	44.05	
			For Stainless Steel, Add	550.58	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 30 HVAC Air Distribution****23 37 Air Outlets and Inlets**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 37 13 13-0076	EA 20" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	374.11	27.45
	<i>For Steel Construction, Deduct</i>	-53.34	
	<i>For Grilles (No Damper), Deduct</i>	-106.68	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	26.67	
	<i>For Cube Core Lay In, Add</i>	53.34	
	<i>For Stainless Steel, Add</i>	666.78	
23 37 13 13-0077	EA 24" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	335.36	27.45
	<i>For Steel Construction, Deduct</i>	-44.62	
	<i>For Grilles (No Damper), Deduct</i>	-89.23	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	22.31	
	<i>For Cube Core Lay In, Add</i>	44.62	
	<i>For Stainless Steel, Add</i>	557.70	
23 37 13 13-0078	EA 24" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	382.75	27.45
	<i>For Steel Construction, Deduct</i>	-54.09	
	<i>For Grilles (No Damper), Deduct</i>	-108.19	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	27.05	
	<i>For Cube Core Lay In, Add</i>	54.09	
	<i>For Stainless Steel, Add</i>	676.18	
23 37 13 13-0079	EA 24" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	403.84	31.57
	<i>For Steel Construction, Deduct</i>	-56.07	
	<i>For Grilles (No Damper), Deduct</i>	-112.13	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	28.03	
	<i>For Cube Core Lay In, Add</i>	56.07	
	<i>For Stainless Steel, Add</i>	700.83	
23 37 13 13-0080	EA 30" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	427.93	32.94
	<i>For Steel Construction, Deduct</i>	-59.58	
	<i>For Grilles (No Damper), Deduct</i>	-119.17	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	29.79	
	<i>For Cube Core Lay In, Add</i>	59.58	
	<i>For Stainless Steel, Add</i>	744.80	
23 37 13 13-0081	EA 30" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	493.05	37.06
	<i>For Steel Construction, Deduct</i>	-69.55	
	<i>For Grilles (No Damper), Deduct</i>	-139.10	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	34.77	
	<i>For Cube Core Lay In, Add</i>	69.55	
	<i>For Stainless Steel, Add</i>	869.35	
23 37 13 13-0082	EA 30" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	552.76	43.92
	<i>For Steel Construction, Deduct</i>	-75.26	
	<i>For Grilles (No Damper), Deduct</i>	-150.53	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	37.63	
	<i>For Cube Core Lay In, Add</i>	75.26	
	<i>For Stainless Steel, Add</i>	940.80	
23 37 13 13-0083	EA 30" x 30" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	716.37	43.92
	<i>For Steel Construction, Deduct</i>	-107.99	
	<i>For Grilles (No Damper), Deduct</i>	-215.97	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	53.99	
	<i>For Cube Core Lay In, Add</i>	107.99	
	<i>For Stainless Steel, Add</i>	1,349.83	
23 37 13 13-0084	EA 36" x 12" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	596.55	48.03
	<i>For Steel Construction, Deduct</i>	-81.31	
	<i>For Grilles (No Damper), Deduct</i>	-162.62	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	40.65	
	<i>For Cube Core Lay In, Add</i>	81.31	
	<i>For Stainless Steel, Add</i>	1,016.35	
23 37 13 13-0085	EA 36" x 18" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	581.00	46.66
	<i>For Steel Construction, Deduct</i>	-78.20	
	<i>For Grilles (No Damper), Deduct</i>	-156.40	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	39.10	
	<i>For Cube Core Lay In, Add</i>	78.20	
	<i>For Stainless Steel, Add</i>	977.48	
23 37 13 13-0086	EA 36" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	661.19	52.15
	<i>For Steel Construction, Deduct</i>	-91.07	
	<i>For Grilles (No Damper), Deduct</i>	-182.14	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	45.54	
	<i>For Cube Core Lay In, Add</i>	91.07	
	<i>For Stainless Steel, Add</i>	1,138.38	
23 37 13 13-0087	EA 36" x 36" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	894.71	56.27
	<i>For Steel Construction, Deduct</i>	-134.03	
	<i>For Grilles (No Damper), Deduct</i>	-268.06	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	67.02	
	<i>For Cube Core Lay In, Add</i>	134.03	
	<i>For Stainless Steel, Add</i>	1,675.38	
23 37 13 13-0088	EA 24" x 20" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	397.79	31.70
	<i>For Steel Construction, Deduct</i>	-54.23	
	<i>For Grilles (No Damper), Deduct</i>	-108.46	
	<i>For Removable Core, Add</i>	35.00	
	<i>For Cube Core With Frame, Add</i>	27.11	
	<i>For Cube Core Lay In, Add</i>	54.23	
	<i>For Stainless Steel, Add</i>	677.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0089	EA		32" x 40" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	685.31	47.50
			<i>For Steel Construction, Deduct</i>	-99.06	
			<i>For Grilles (No Damper), Deduct</i>	-198.12	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	49.53	
			<i>For Cube Core Lay In, Add</i>	99.06	
			<i>For Stainless Steel, Add</i>	1,238.25	
23 37 13 13-0090	EA		48" x 24" Single Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling.....	793.73	56.27
			<i>For Steel Construction, Deduct</i>	-113.67	
			<i>For Grilles (No Damper), Deduct</i>	-227.34	
			<i>For Removable Core, Add</i>	35.00	
			<i>For Cube Core With Frame, Add</i>	56.84	
			<i>For Cube Core Lay In, Add</i>	113.67	
			<i>For Stainless Steel, Add</i>	1,420.88	
<b>23 37 13 13-0091 Return/Exhaust Registers Removable-Reversible (23 37 13 13-0066)</b>					
Note: Double deflection core and opposed blade damper radiused frame with boarder aluminum construction.					
23 37 13 13-0092	EA		8" x 4" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	121.41	10.98
			<i>For Steel Construction, Deduct</i>	-7.88	
			<i>For Flat Frame, Deduct</i>	-0.79	
			<i>For Grilles (No Damper), Deduct</i>	-15.76	
			<i>For Stainless Steel, Add</i>	197.05	
23 37 13 13-0093	EA		8" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	121.41	10.98
			<i>For Steel Construction, Deduct</i>	-7.88	
			<i>For Flat Frame, Deduct</i>	-0.79	
			<i>For Grilles (No Damper), Deduct</i>	-15.76	
			<i>For Stainless Steel, Add</i>	197.05	
23 37 13 13-0094	EA		10" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	149.10	12.35
			<i>For Steel Construction, Deduct</i>	-9.97	
			<i>For Flat Frame, Deduct</i>	-1.00	
			<i>For Grilles (No Damper), Deduct</i>	-19.94	
			<i>For Stainless Steel, Add</i>	249.23	
23 37 13 13-0095	EA		10" x 10" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	171.05	15.10
			<i>For Steel Construction, Deduct</i>	-11.36	
			<i>For Flat Frame, Deduct</i>	-1.14	
			<i>For Grilles (No Damper), Deduct</i>	-22.72	
			<i>For Stainless Steel, Add</i>	284.00	
23 37 13 13-0096	EA		12" x 6" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	168.73	13.72
			<i>For Steel Construction, Deduct</i>	-11.13	
			<i>For Flat Frame, Deduct</i>	-1.11	
			<i>For Grilles (No Damper), Deduct</i>	-22.26	
			<i>For Stainless Steel, Add</i>	278.20	
23 37 13 13-0097	EA		12" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	218.95	17.84
			<i>For Steel Construction, Deduct</i>	-14.84	
			<i>For Flat Frame, Deduct</i>	-1.48	
			<i>For Grilles (No Damper), Deduct</i>	-29.67	
			<i>For Stainless Steel, Add</i>	370.93	
23 37 13 13-0098	EA		16" x 16" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	353.34	21.96
			<i>For Steel Construction, Deduct</i>	-26.82	
			<i>For Flat Frame, Deduct</i>	-2.68	
			<i>For Grilles (No Damper), Deduct</i>	-53.63	
			<i>For Stainless Steel, Add</i>	670.40	
23 37 13 13-0099	EA		18" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	425.69	24.70
			<i>For Steel Construction, Deduct</i>	-32.69	
			<i>For Flat Frame, Deduct</i>	-3.27	
			<i>For Grilles (No Damper), Deduct</i>	-65.38	
			<i>For Stainless Steel, Add</i>	817.23	
23 37 13 13-0100	EA		20" x 20" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	480.66	27.45
			<i>For Steel Construction, Deduct</i>	-37.33	
			<i>For Flat Frame, Deduct</i>	-3.73	
			<i>For Grilles (No Damper), Deduct</i>	-74.65	
			<i>For Stainless Steel, Add</i>	933.15	
23 37 13 13-0101	EA		24" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	399.76	27.45
			<i>For Steel Construction, Deduct</i>	-28.75	
			<i>For Flat Frame, Deduct</i>	-2.87	
			<i>For Grilles (No Damper), Deduct</i>	-57.50	
			<i>For Stainless Steel, Add</i>	718.70	
23 37 13 13-0102	EA		24" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	538.86	28.82
			<i>For Steel Construction, Deduct</i>	-42.66	
			<i>For Flat Frame, Deduct</i>	-4.27	
			<i>For Grilles (No Damper), Deduct</i>	-85.32	
			<i>For Stainless Steel, Add</i>	1,066.45	
23 37 13 13-0103	EA		24" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	628.91	31.57
			<i>For Steel Construction, Deduct</i>	-50.54	
			<i>For Flat Frame, Deduct</i>	-5.05	
			<i>For Grilles (No Damper), Deduct</i>	-101.08	
			<i>For Stainless Steel, Add</i>	1,263.50	
23 37 13 13-0104	EA		30" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	482.40	32.94
			<i>For Steel Construction, Deduct</i>	-35.24	
			<i>For Flat Frame, Deduct</i>	-3.52	
			<i>For Grilles (No Damper), Deduct</i>	-70.48	
			<i>For Stainless Steel, Add</i>	880.98	
23 37 13 13-0105	EA		30" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling .....	664.62	37.06
			<i>For Steel Construction, Deduct</i>	-51.93	
			<i>For Flat Frame, Deduct</i>	-5.19	
			<i>For Grilles (No Damper), Deduct</i>	-103.86	
			<i>For Stainless Steel, Add</i>	1,298.28	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0106	EA		30" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	800.08	43.92
			<i>For Steel Construction, Deduct</i>	-62.36	
			<i>For Flat Frame, Deduct</i>	-6.24	
			<i>For Grilles (No Damper), Deduct</i>	-124.73	
			<i>For Stainless Steel, Add</i>	1,559.10	
23 37 13 13-0107	EA		30" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	917.15	43.92
			<i>For Steel Construction, Deduct</i>	-74.07	
			<i>For Flat Frame, Deduct</i>	-7.41	
			<i>For Grilles (No Damper), Deduct</i>	-148.14	
			<i>For Stainless Steel, Add</i>	1,851.78	
23 37 13 13-0108	EA		36" x 12" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	623.54	46.66
			<i>For Steel Construction, Deduct</i>	-43.35	
			<i>For Flat Frame, Deduct</i>	-4.34	
			<i>For Grilles (No Damper), Deduct</i>	-86.71	
			<i>For Stainless Steel, Add</i>	1,083.83	
23 37 13 13-0109	EA		36" x 18" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	846.10	46.66
			<i>For Steel Construction, Deduct</i>	-65.61	
			<i>For Flat Frame, Deduct</i>	-6.56	
			<i>For Grilles (No Damper), Deduct</i>	-131.22	
			<i>For Stainless Steel, Add</i>	1,640.23	
23 37 13 13-0110	EA		36" x 24" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	980.17	52.15
			<i>For Steel Construction, Deduct</i>	-77.43	
			<i>For Flat Frame, Deduct</i>	-7.74	
			<i>For Grilles (No Damper), Deduct</i>	-154.87	
			<i>For Stainless Steel, Add</i>	1,935.83	
23 37 13 13-0111	EA		36" x 30" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,146.11	56.27
			<i>For Steel Construction, Deduct</i>	-92.16	
			<i>For Flat Frame, Deduct</i>	-9.22	
			<i>For Grilles (No Damper), Deduct</i>	-184.31	
			<i>For Stainless Steel, Add</i>	2,303.88	
23 37 13 13-0112	EA		36" x 36" Double Deflection Return/Exhaust Register, Aluminum, Opposed Blade Damper, Wall/Ceiling	1,211.02	56.27
			<i>For Steel Construction, Deduct</i>	-98.65	
			<i>For Flat Frame, Deduct</i>	-9.86	
			<i>For Grilles (No Damper), Deduct</i>	-197.29	
			<i>For Stainless Steel, Add</i>	2,466.15	

**23 37 13 13-0113 Aluminum Eggcrate Ceiling Return Air And Exhaust Grilles (23 37 13 13-0066)**

23 37 13 13-0114	EA		6" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.26	13.43
23 37 13 13-0115	EA		8" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	64.26	13.43
23 37 13 13-0116	EA		8" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.64	13.43
23 37 13 13-0117	EA		8" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	71.80	13.43
23 37 13 13-0118	EA		10" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	69.64	13.43
23 37 13 13-0119	EA		10" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	71.80	13.43
23 37 13 13-0120	EA		10" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	86.62	17.61
23 37 13 13-0121	EA		10" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.78	17.61
23 37 13 13-0122	EA		12" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	84.47	17.61
23 37 13 13-0123	EA		12" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	88.78	17.61
23 37 13 13-0124	EA		12" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	90.93	17.61
23 37 13 13-0125	EA		12" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	93.09	17.61
23 37 13 13-0126	EA		14" x 6" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	89.86	17.61
23 37 13 13-0127	EA		14" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	94.17	17.61
23 37 13 13-0128	EA		14" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	96.32	17.61
23 37 13 13-0129	EA		14" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	106.02	17.61
23 37 13 13-0130	EA		16" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	94.17	17.61
23 37 13 13-0131	EA		16" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	101.71	17.61
23 37 13 13-0132	EA		16" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	106.02	17.61
23 37 13 13-0133	EA		16" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	136.75	25.98
23 37 13 13-0134	EA		16" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	138.90	25.98
23 37 13 13-0135	EA		18" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	134.59	25.98
23 37 13 13-0136	EA		18" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	164.50	30.16
23 37 13 13-0137	EA		20" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	132.44	25.98
23 37 13 13-0138	EA		20" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	175.28	30.16
23 37 13 13-0139	EA		22" x 4" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	92.01	17.61
23 37 13 13-0140	EA		22" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	134.59	25.98
23 37 13 13-0141	EA		22" x 22" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	196.57	34.34
23 37 13 13-0142	EA		24" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	132.44	25.98
23 37 13 13-0143	EA		24" x 10" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	136.75	25.98
23 37 13 13-0144	EA		24" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	158.04	30.16
			<i>For Lay-In Installation, Deduct</i>	-63.38	
23 37 13 13-0145	EA		24" x 14" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	164.50	30.16
23 37 13 13-0146	EA		24" x 16" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	183.64	34.34
23 37 13 13-0147	EA		24" x 18" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	190.10	34.34
23 37 13 13-0148	EA		24" x 20" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	197.65	34.34
23 37 13 13-0149	EA		24" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	211.66	34.34
			<i>For Lay-In Installation, Deduct</i>	-72.56	
23 37 13 13-0150	EA		30" x 8" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	161.27	30.16
23 37 13 13-0151	EA		48" x 12" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	259.51	37.63
23 37 13 13-0152	EA		48" x 24" Aluminum Eggcrate Ceiling Return Air And Exhaust Grille	441.09	46.00
			<i>For Lay-In Installation, Deduct</i>	-104.42	

**23 37 13 13-0153 Supply Registers and Grilles (23 37 13 13)**

**23 37 13 13-0154 Adjustable Curved Blade Register (23 37 13 13-0153)**  
 Note: Ceiling mount aluminum construction four way pattern flush frame.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0155	EA		6" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	110.07	10.98
			<i>For Steel Construction, Deduct</i>	-10.13	
			<i>For Lay In Frame, Deduct</i>	-16.89	
			<i>For Three Way Pattern, Deduct</i>	-6.76	
			<i>For Two Way Pattern, Deduct</i>	-5.40	
			<i>For One Way Pattern, Deduct</i>	-5.40	
			<i>For Grille (No Damper), Deduct</i>	-10.13	
			<i>For Stainless Steel, Add</i>	168.90	
23 37 13 13-0156	EA		8" x 8" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	114.05	10.98
			<i>For Steel Construction, Deduct</i>	-10.73	
			<i>For Lay In Frame, Deduct</i>	-17.89	
			<i>For Three Way Pattern, Deduct</i>	-7.15	
			<i>For Two Way Pattern, Deduct</i>	-5.72	
			<i>For One Way Pattern, Deduct</i>	-5.72	
			<i>For Grille (No Damper), Deduct</i>	-10.73	
			<i>For Stainless Steel, Add</i>	178.85	
23 37 13 13-0157	EA		12" x 6" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	125.14	15.10
			<i>For Steel Construction, Deduct</i>	-10.13	
			<i>For Lay In Frame, Deduct</i>	-16.89	
			<i>For Three Way Pattern, Deduct</i>	-6.76	
			<i>For Two Way Pattern, Deduct</i>	-5.40	
			<i>For One Way Pattern, Deduct</i>	-5.40	
			<i>For Grille (No Damper), Deduct</i>	-10.13	
			<i>For Stainless Steel, Add</i>	168.90	
23 37 13 13-0158	EA		10" x 10" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	139.72	13.72
			<i>For Steel Construction, Deduct</i>	-12.32	
			<i>For Lay In Frame, Deduct</i>	-20.54	
			<i>For Three Way Pattern, Deduct</i>	-8.21	
			<i>For Two Way Pattern, Deduct</i>	-6.57	
			<i>For One Way Pattern, Deduct</i>	-6.57	
			<i>For Grille (No Damper), Deduct</i>	-12.32	
			<i>For Stainless Steel, Add</i>	205.35	
23 37 13 13-0159	EA		12" x 12" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	168.00	17.84
			<i>For Steel Construction, Deduct</i>	-14.70	
			<i>For Lay In Frame, Deduct</i>	-24.51	
			<i>For Three Way Pattern, Deduct</i>	-9.80	
			<i>For Two Way Pattern, Deduct</i>	-7.84	
			<i>For One Way Pattern, Deduct</i>	-7.84	
			<i>For Grille (No Damper), Deduct</i>	-14.70	
			<i>For Stainless Steel, Add</i>	245.08	
23 37 13 13-0160	EA		14" x 14" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	207.06	20.59
			<i>For Steel Construction, Deduct</i>	-18.28	
			<i>For Lay In Frame, Deduct</i>	-30.47	
			<i>For Three Way Pattern, Deduct</i>	-12.19	
			<i>For Two Way Pattern, Deduct</i>	-9.75	
			<i>For One Way Pattern, Deduct</i>	-9.75	
			<i>For Grille (No Damper), Deduct</i>	-18.28	
			<i>For Stainless Steel, Add</i>	304.70	
23 37 13 13-0161	EA		16" x 16" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	207.06	20.59
			<i>For Steel Construction, Deduct</i>	-18.28	
			<i>For Lay In Frame, Deduct</i>	-30.47	
			<i>For Three Way Pattern, Deduct</i>	-12.19	
			<i>For Two Way Pattern, Deduct</i>	-9.75	
			<i>For One Way Pattern, Deduct</i>	-9.75	
			<i>For Grille (No Damper), Deduct</i>	-18.28	
			<i>For Stainless Steel, Add</i>	304.70	
23 37 13 13-0162	EA		18" x 18" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	255.32	27.45
			<i>For Steel Construction, Deduct</i>	-22.26	
			<i>For Lay In Frame, Deduct</i>	-37.10	
			<i>For Three Way Pattern, Deduct</i>	-14.84	
			<i>For Two Way Pattern, Deduct</i>	-11.87	
			<i>For One Way Pattern, Deduct</i>	-11.87	
			<i>For Grille (No Damper), Deduct</i>	-22.26	
			<i>For Stainless Steel, Add</i>	370.95	
23 37 13 13-0163	EA		24" x 24" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	336.17	28.82
			<i>For Steel Construction, Deduct</i>	-33.58	
			<i>For Lay In Frame, Deduct</i>	-55.97	
			<i>For Three Way Pattern, Deduct</i>	-22.39	
			<i>For Two Way Pattern, Deduct</i>	-17.91	
			<i>For One Way Pattern, Deduct</i>	-17.91	
			<i>For Grille (No Damper), Deduct</i>	-33.58	
			<i>For Stainless Steel, Add</i>	559.73	
23 37 13 13-0164	EA		30" x 30" Adjustable Curved Blade Register, Ceiling Mounted, Aluminum Construction, 4-Way Pattern .....	546.27	58.19
			<i>For Steel Construction, Deduct</i>	-64.48	
			<i>For Lay In Frame, Deduct</i>	-107.47	
			<i>For Three Way Pattern, Deduct</i>	-42.99	
			<i>For Two Way Pattern, Deduct</i>	-34.39	
			<i>For One Way Pattern, Deduct</i>	-34.39	
			<i>For Grille (No Damper), Deduct</i>	-64.48	
			<i>For Stainless Steel, Add</i>	1,074.73	
23 37 13 13-0165			<b>Removable-Reversible Core Registers</b> <small>(23 37 13 13-0153)</small>		
			Note: Double deflection radiused frame aluminum construction.		
23 37 13 13-0166	EA		6" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	127.30	10.98
			<i>For Steel Construction, Deduct</i>	-8.48	
			<i>For Flat Frame, Deduct</i>	-8.48	
			<i>For Grille (No Damper), Deduct</i>	-25.44	
			<i>For Stainless Steel, Add</i>	211.98	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 30 HVAC Air Distribution**

**23 37 Air Outlets and Inlets**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 13 13-0167	EA		8" x 8" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	161.74	10.98
			<i>For Steel Construction, Deduct</i>	-11.92	
			<i>For Flat Frame, Deduct</i>	-11.92	
			<i>For Grille (No Damper), Deduct</i>	-35.77	
			<i>For Stainless Steel, Add</i>	298.08	
23 37 13 13-0168	EA		12" x 6" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	205.96	15.10
			<i>For Steel Construction, Deduct</i>	-14.84	
			<i>For Flat Frame, Deduct</i>	-14.84	
			<i>For Grille (No Damper), Deduct</i>	-44.51	
			<i>For Stainless Steel, Add</i>	370.95	
23 37 13 13-0169	EA		10" x 10" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	208.60	15.10
			<i>For Steel Construction, Deduct</i>	-15.10	
			<i>For Flat Frame, Deduct</i>	-15.10	
			<i>For Grille (No Damper), Deduct</i>	-45.31	
			<i>For Stainless Steel, Add</i>	377.55	
23 37 13 13-0170	EA		12" x 12" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	266.04	17.84
			<i>For Steel Construction, Deduct</i>	-19.61	
			<i>For Flat Frame, Deduct</i>	-19.61	
			<i>For Grille (No Damper), Deduct</i>	-58.82	
			<i>For Stainless Steel, Add</i>	490.18	
23 37 13 13-0171	EA		14" x 14" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	379.28	21.96
			<i>For Steel Construction, Deduct</i>	-29.41	
			<i>For Flat Frame, Deduct</i>	-29.41	
			<i>For Grille (No Damper), Deduct</i>	-88.23	
			<i>For Stainless Steel, Add</i>	735.25	
23 37 13 13-0172	EA		16" x 16" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	426.97	20.59
			<i>For Steel Construction, Deduct</i>	-34.18	
			<i>For Flat Frame, Deduct</i>	-34.18	
			<i>For Grille (No Damper), Deduct</i>	-102.54	
			<i>For Stainless Steel, Add</i>	854.48	
23 37 13 13-0173	EA		18" x 18" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	514.97	27.45
			<i>For Steel Construction, Deduct</i>	-40.80	
			<i>For Flat Frame, Deduct</i>	-40.80	
			<i>For Grille (No Damper), Deduct</i>	-122.41	
			<i>For Stainless Steel, Add</i>	1,020.08	
23 37 13 13-0174	EA		24" x 24" Removable/Reversible Core Register, Double Deflection, Radiused Aluminum Frame .....	650.14	27.45
			<i>For Steel Construction, Deduct</i>	-53.79	
			<i>For Flat Frame, Deduct</i>	-53.79	
			<i>For Grille (No Damper), Deduct</i>	-161.36	
			<i>For Stainless Steel, Add</i>	1,344.65	
<b>23 37 13 13-0175 Adjustable Shutter Blade Registers</b> <small>(23 37 13 13-0153)</small>					
Note: Double deflection flat frame aluminum construction.					
23 37 13 13-0176	EA		6" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	197.07	10.98
			<i>For Steel Construction, Deduct</i>	-15.46	
			<i>For Single Deflection, Deduct</i>	-30.91	
			<i>For Grille (No Damper), Deduct</i>	-23.18	
			<i>For Stainless Steel, Add</i>	386.40	
23 37 13 13-0177	EA		8" x 8" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	227.98	10.98
			<i>For Steel Construction, Deduct</i>	-18.55	
			<i>For Single Deflection, Deduct</i>	-37.09	
			<i>For Grille (No Damper), Deduct</i>	-27.82	
			<i>For Stainless Steel, Add</i>	463.68	
23 37 13 13-0178	EA		12" x 6" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	243.05	15.10
			<i>For Steel Construction, Deduct</i>	-18.55	
			<i>For Single Deflection, Deduct</i>	-37.09	
			<i>For Grille (No Damper), Deduct</i>	-27.82	
			<i>For Stainless Steel, Add</i>	463.68	
23 37 13 13-0179	EA		10" x 10" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	251.88	13.72
			<i>For Steel Construction, Deduct</i>	-19.43	
			<i>For Single Deflection, Deduct</i>	-38.86	
			<i>For Grille (No Damper), Deduct</i>	-29.15	
			<i>For Stainless Steel, Add</i>	485.75	
23 37 13 13-0180	EA		12" x 12" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	308.43	17.84
			<i>For Steel Construction, Deduct</i>	-23.85	
			<i>For Single Deflection, Deduct</i>	-47.69	
			<i>For Grille (No Damper), Deduct</i>	-35.77	
			<i>For Stainless Steel, Add</i>	596.15	
23 37 13 13-0181	EA		14" x 14" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	411.96	20.59
			<i>For Steel Construction, Deduct</i>	-32.68	
			<i>For Single Deflection, Deduct</i>	-65.36	
			<i>For Grille (No Damper), Deduct</i>	-49.02	
			<i>For Stainless Steel, Add</i>	816.95	
23 37 13 13-0182	EA		16" x 16" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	487.03	21.96
			<i>For Steel Construction, Deduct</i>	-40.19	
			<i>For Single Deflection, Deduct</i>	-80.37	
			<i>For Grille (No Damper), Deduct</i>	-60.28	
			<i>For Stainless Steel, Add</i>	1,004.63	
23 37 13 13-0183	EA		18" x 18" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	601.52	27.45
			<i>For Steel Construction, Deduct</i>	-49.46	
			<i>For Single Deflection, Deduct</i>	-98.92	
			<i>For Grille (No Damper), Deduct</i>	-74.19	
			<i>For Stainless Steel, Add</i>	1,236.45	
23 37 13 13-0184	EA		24" x 24" Adjustable Shutter Blade Register, Double Deflection, Flat Aluminum Frame.....	832.07	28.82
			<i>For Steel Construction, Deduct</i>	-71.98	
			<i>For Single Deflection, Deduct</i>	-143.96	
			<i>For Grille (No Damper), Deduct</i>	-107.97	
			<i>For Stainless Steel, Add</i>	1,799.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>23 37 13 13-0185</b>			<b>Air Conditioning And Ventilation</b> (23 37 13 13-0153)		
23 37 13 13-0186	EA		10" x 16" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction ..... <i>For Stainless Steel, Add</i>	110.79 133.03	28.82
23 37 13 13-0187	EA		18" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction ..... <i>For Stainless Steel, Add</i>	192.19 266.05	42.89
23 37 13 13-0188	EA		30" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction ..... <i>For Stainless Steel, Add</i>	297.45 443.43	60.04
23 37 13 13-0189	EA		48" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction ..... <i>For Stainless Steel, Add</i>	749.99 1,463.28	82.34
<b>23 37 13 13-0190</b>			<b>Square Wall Return Air And Exhaust Grilles</b> (23 37 13 13-0153)		
			Note: Egg crate design aluminum construction.		
23 37 13 13-0191	EA		8" x 8" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	100.74	34.39
23 37 13 13-0192	EA		12" x 12" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	110.58	34.39
23 37 13 13-0193	EA		18" x 18" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	164.65	51.58
23 37 13 13-0194	EA		24" x 24" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	213.85	51.58
23 37 13 13-0195	EA		28" x 28" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	358.92	68.76
23 37 13 13-0196	EA		36" x 36" Egg Crate Wall Return Air Or Exhaust Grille, Aluminum Construction .....	656.03	68.61
<b>23 37 13 13-0197</b>			<b>Rectangular Four-Way Adjustable Deflection Wall Supply Grilles</b> (23 37 13 13-0153)		
			Note: Aluminum construction.		
23 37 13 13-0198	EA		12" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	282.33	24.75
23 37 13 13-0199	EA		14" x 6" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	322.07	24.75
23 37 13 13-0200	EA		18" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	388.23	27.51
23 37 13 13-0201	EA		24" x 8" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	458.85	27.51
23 37 13 13-0202	EA		36" x 20" 4-Way Adjustable Wall Supply Grille, Adjustable Deflection, Aluminum Construction .....	589.82	85.96
<b>23 37 13 13-0203</b>			<b>Square Ceiling Return Air And Exhaust Grilles</b> (23 37 13 13-0153)		
			Note: Egg crate design, plastic construction.		
23 37 13 13-0204	EA		24" x 24" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction .....	54.67	16.48
23 37 13 13-0205	EA		24" x 48" Egg Crate Ceiling Return Air Or Exhaust Grille, Plastic Construction .....	78.77	16.60
<b>23 37 13 13-0206</b>			<b>Door Grilles Sight Proof Inverted Vee Cross Section</b> (23 37 13 13-0153)		
			Note: Painted steel louvers and frame.		
23 37 13 13-0207	EA		12" x 6" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	158.03	24.75
23 37 13 13-0208	EA		12" x 12" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	198.43	24.75
23 37 13 13-0209	EA		18" x 18" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	247.00	26.14
23 37 13 13-0210	EA		24" x 24" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	339.74	31.22
23 37 13 13-0211	EA		24" x 30" Sight Proof Door Grilles, Inverted Vee Cross Section, Painted Steel .....	377.29	57.36
<b>23 37 13 13-0212</b>			<b>Removal And Reinstallation Of Distribution Devices</b> (23 37 13 13)		
23 37 13 13-0213	EA		Removal And Reinstallation Of Variable Air Volume Terminal Unit .....	257.31	
23 37 13 13-0214	EA		Removal And Reinstallation Of Fan Powered Variable Volume Terminal Unit .....	283.80	
23 37 13 13-0215	EA		Removal And Reinstallation Of Lay-in Diffuser/Register/Grille .....	42.54	
23 37 13 13-0216	EA		Removal And Reinstallation Of Surface Mounted Diffuser/Register/Grille .....	57.60	
<b>23 37 13 43</b>			<b>Security Registers and Grilles</b> (23 37 13)		
<b>23 37 13 43-0001</b>			<b>Security Registers And Grilles</b> (23 37 13 43)		
<b>23 37 13 43-0002</b>			<b>Maximum Security Steel Supply / Return Registers</b> (23 37 13 43-0001)		
			Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0003	EA		6" x 6" Maximum Security Supply/ Return Register .....	263.09	15.37
23 37 13 43-0004	EA		9" x 9" Maximum Security Supply/ Return Register .....	382.15	18.29
23 37 13 43-0005	EA		12" x 6" Maximum Security Supply/ Return Register .....	355.27	19.19
23 37 13 43-0006	EA		12" x 8" Maximum Security Supply/ Return Register .....	410.96	22.16
23 37 13 43-0007	EA		10" x 10" Maximum Security Supply/ Return Register .....	385.99	19.19
23 37 13 43-0008	EA		14" x 12" Maximum Security Supply/ Return Register .....	535.78	27.00
23 37 13 43-0009	EA		14" x 14" Maximum Security Supply/ Return Register .....	606.82	29.08
23 37 13 43-0010	EA		18" x 18" Maximum Security Supply/ Return Register .....	814.21	34.56
23 37 13 43-0011	EA		24" x 24" Maximum Security Supply/ Return Registers .....	1,171.38	44.18
<b>23 37 13 43-0012</b>			<b>Staff Security Steel Supply Registers</b> (23 37 13 43-0001)		
			Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0013	EA		6" x 6" Staff Security Supply Register .....	195.50	15.37
23 37 13 43-0014	EA		9" x 9" Staff Security Supply Register .....	253.12	18.29
23 37 13 43-0015	EA		12" x 12" Staff Security Supply Register .....	319.19	24.95
23 37 13 43-0016	EA		15" x 15" Staff Security Supply Register .....	457.06	28.81
23 37 13 43-0017	EA		21" x 21" Staff Security Supply Register .....	653.70	38.43
23 37 13 43-0018	EA		24" x 24" Staff Security Supply Register .....	787.36	44.18
<b>23 37 13 43-0019</b>			<b>Staff Security Steel Return Registers</b> (23 37 13 43-0001)		
			Note: Includes damper as manufactured by Titus or equal.		
23 37 13 43-0020	EA		10" x 4" 12 Gage Flat Steel Plate Staff Security Return Register .....	251.57	16.62
			Note: Perforated with square holes.		
23 37 13 43-0021	EA		6" x 6" 12 Gage Flat Steel Plate Staff Security Return Register .....	226.23	15.37
			Note: Perforated with square holes.		

23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 30 HVAC Air Distribution

23 37 Air Outlets and Inlets

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 23 37 13 43-0022 EA 10" x 6" 12 Gage Flat Steel Plate Staff Security Return Register.

23 37 13 43-0032 Maximum Security Steel Grills (23 37 13 43-0001)

Note: Includes damper as manufactured by Titus or equal.

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 23 37 13 43-0033 EA 10" x 4" Maximum Security Grill.

23 37 23 HVAC Gravity Ventilators (23 37)

23 37 23 13 HVAC Gravity Dome Ventilators (23 37 23)

23 37 23 13-0001 Rectangular Gravity Intake/Relief Ventilator Hood (23 37 23 13)

Note: Includes flange base and bird screen. Excludes curb.

Table with columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST. Rows include items like 23 37 23 13-0002 EA 8" x 8" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI).

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 37 23 13-0046	EA		36" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	4,136.01	284.62
23 37 23 13-0047	EA		36" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	4,951.97	340.75
23 37 23 13-0048	EA		36" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	5,514.64	379.45
23 37 23 13-0049	EA		36" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	5,852.37	402.78
23 37 23 13-0050	EA		36" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	6,302.50	433.65
23 37 23 13-0051	EA		36" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	7,090.36	487.86
23 37 23 13-0052	EA		42" x 42" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	4,495.90	290.52
23 37 23 13-0053	EA		42" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	5,581.93	360.65
23 37 23 13-0054	EA		42" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	6,364.97	411.28
23 37 23 13-0055	EA		42" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	6,592.21	425.97
23 37 23 13-0056	EA		42" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	7,349.96	474.82
23 37 23 13-0057	EA		42" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	8,082.41	522.17
23 37 23 13-0058	EA		48" x 48" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	5,940.51	419.38
23 37 23 13-0059	EA		48" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	6,426.04	453.69
23 37 23 13-0060	EA		48" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	6,911.41	488.00
23 37 23 13-0061	EA		48" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	7,674.19	541.79
23 37 23 13-0062	EA		48" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	8,122.78	548.93
23 37 23 13-0063	EA		54" x 54" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	6,893.92	472.76
23 37 23 13-0064	EA		54" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	7,732.95	530.26
23 37 23 13-0065	EA		54" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	8,390.66	575.41
23 37 23 13-0066	EA		54" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	8,934.80	612.74
23 37 23 13-0067	EA		60" x 60" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	8,592.72	588.59
23 37 23 13-0068	EA		60" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	9,024.81	627.42
23 37 23 13-0069	EA		60" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	9,674.87	675.59
23 37 23 13-0070	EA		66" x 66" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	9,028.91	678.75
23 37 23 13-0071	EA		66" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	10,558.27	793.75
23 37 23 13-0072	EA		72" x 72" Throat, Galvanized Steel, Gravity Intake/Relief Ventilator Hood (Greenheck FGI) .....	10,874.44	731.86

**23 38 Ventilation Hoods** (23 30)

**23 38 13 Commercial-Kitchen Hoods** (23 38)

**23 38 13 16 Standard Commercial-Kitchen Hoods** (23 38 13)

**23 38 13 16-0001 Stainless Steel Exhaust Hood Material** (23 38 13 16)

Note: Welded seams.

23 38 13 16-0002	SF		16 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	54.63	18.88
			<i>For Type 316 Stainless Steel, Add</i>	1.55	
23 38 13 16-0003	SF		14 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	68.29	25.18
			<i>For Type 316 Stainless Steel, Add</i>	1.93	
23 38 13 16-0004	SF		12 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	94.82	33.99
			<i>For Type 316 Stainless Steel, Add</i>	2.70	
23 38 13 16-0005	SF		10 Gauge, Type 304, Stainless Steel Exhaust Hood Material .....	118.68	41.53
			<i>For Type 316 Stainless Steel, Add</i>	3.48	

**23 40 HVAC Air Cleaning Devices** (23)

**23 41 Particulate Air Filtration** (23 40)

**23 41 13 Panel Air Filters** (23 41)

**23 41 13 00-0001 Disposable Air Filters** (23 41 13)

23 41 13 00-0002	EA		Throwaway Glass Or Paper Media Filter, Residential .....	14.31	
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**23 41 13 00-0003 Electrostatic Air Filters With Frame, Element And Busbar** (23 41 13)

23 41 13 00-0004	MF3		Electrostatic Air Filter, High Efficiency Non-Supported With Frame, Element And Busbar .....	70.60	
23 41 13 00-0005	MF3		Electrostatic Air Filter, Medium Efficiency Non-Supported With Frame, Element And Busbar .....	68.19	
23 41 13 00-0006	MF3		Electrostatic Air Filter, Glass/Paper Throwaway With Frame, Element And Busbar .....	2.94	

**23 41 16 Renewable-Media Air Filters** (23 41)

**23 41 16 00-0001 Renewable-Media Electrostatic Air Filters With Frame, Element And Busbar** (23 41 16)

23 41 16 00-0002	MF3		Electrostatic Air Filter, 5' Disposable Roll Renewable With Frame, Element And Busbar .....	121.49	
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**23 41 19 Washable Air Filters** (23 41)

**23 41 19 00-0001 Washable Electrostatic Air Filters With Frame, Element And Busbar** (23 41 19)

23 41 19 00-0002	MF3		Electrostatic Air Filter, Permanent, Washable With Frame, Element And Busbar .....	46.39	
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**23 41 33 High-Efficiency Particulate Filtration** (23 41)

**23 41 33 00-0001 High Efficiency Particulate Air (HEPA) Filters** (23 41 33)

Note: Includes particle board and kraft paper frame and separator material.

**23 41 33 00-0002 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-95%** (23 41 33 00-0001)

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 40 HVAC Air Cleaning Devices**

**23 41 Particulate Air Filtration**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 41 33 00-0003	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 150 CFM, Complete	130.52	19.26
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.85	
			<i>For &gt;10 To 25, Deduct</i>	-3.26	
			<i>For &gt;25 To 50, Deduct</i>	-6.53	
			<i>For &gt;50 To 100, Deduct</i>	-9.79	
			<i>For &gt;100, Deduct</i>	-13.05	
23 41 33 00-0004	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 375 CFM, Complete	172.44	22.01
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.40	
			<i>For &gt;10 To 25, Deduct</i>	-4.31	
			<i>For &gt;25 To 50, Deduct</i>	-8.62	
			<i>For &gt;50 To 100, Deduct</i>	-12.93	
			<i>For &gt;100, Deduct</i>	-17.24	
23 41 33 00-0005	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 450 CFM, Complete	201.73	25.44
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.09	
			<i>For &gt;10 To 25, Deduct</i>	-5.04	
			<i>For &gt;25 To 50, Deduct</i>	-10.09	
			<i>For &gt;50 To 100, Deduct</i>	-15.13	
			<i>For &gt;100, Deduct</i>	-20.17	
23 41 33 00-0006	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 700 CFM, Complete	231.04	28.88
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.78	
			<i>For &gt;10 To 25, Deduct</i>	-5.78	
			<i>For &gt;25 To 50, Deduct</i>	-11.55	
			<i>For &gt;50 To 100, Deduct</i>	-17.33	
			<i>For &gt;100, Deduct</i>	-23.10	
23 41 33 00-0007	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 250 CFM, Complete	158.16	20.63
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.13	
			<i>For &gt;10 To 25, Deduct</i>	-3.95	
			<i>For &gt;25 To 50, Deduct</i>	-7.91	
			<i>For &gt;50 To 100, Deduct</i>	-11.86	
			<i>For &gt;100, Deduct</i>	-15.82	
23 41 33 00-0008	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 500 CFM, Complete	211.30	24.07
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.81	
			<i>For &gt;10 To 25, Deduct</i>	-5.28	
			<i>For &gt;25 To 50, Deduct</i>	-10.57	
			<i>For &gt;50 To 100, Deduct</i>	-15.85	
			<i>For &gt;100, Deduct</i>	-21.13	
23 41 33 00-0009	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 875 CFM, Complete	252.19	27.51
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.50	
			<i>For &gt;10 To 25, Deduct</i>	-6.30	
			<i>For &gt;25 To 50, Deduct</i>	-12.61	
			<i>For &gt;50 To 100, Deduct</i>	-18.91	
			<i>For &gt;100, Deduct</i>	-25.22	
23 41 33 00-0010	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 95% DOP Efficiency, 1,000 CFM, Complete	299.93	34.39
			<i>For Removal And Replacement In Existing Equipment, Add</i>	6.88	
			<i>For &gt;10 To 25, Deduct</i>	-7.50	
			<i>For &gt;25 To 50, Deduct</i>	-15.00	
			<i>For &gt;50 To 100, Deduct</i>	-22.49	
			<i>For &gt;100, Deduct</i>	-29.99	
<b>23 41 33 00-0011 High Efficiency Particulate Air (HEPA) Filters DOP Efficiency-99.99% (23 41 33 00-0001)</b>					
23 41 33 00-0012	EA		12" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	112.04	17.19
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.44	
			<i>For &gt;10 To 25, Deduct</i>	-2.80	
			<i>For &gt;25 To 50, Deduct</i>	-5.60	
			<i>For &gt;50 To 100, Deduct</i>	-8.40	
			<i>For &gt;100, Deduct</i>	-11.20	
23 41 33 00-0013	EA		24" x 12" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	154.09	20.63
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.13	
			<i>For &gt;10 To 25, Deduct</i>	-3.85	
			<i>For &gt;25 To 50, Deduct</i>	-7.70	
			<i>For &gt;50 To 100, Deduct</i>	-11.56	
			<i>For &gt;100, Deduct</i>	-15.41	
23 41 33 00-0014	EA		24" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	233.53	24.07
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.81	
			<i>For &gt;10 To 25, Deduct</i>	-5.84	
			<i>For &gt;25 To 50, Deduct</i>	-11.68	
			<i>For &gt;50 To 100, Deduct</i>	-17.51	
			<i>For &gt;100, Deduct</i>	-23.35	
23 41 33 00-0015	EA		36" x 24" x 3", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	299.22	27.51
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.50	
			<i>For &gt;10 To 25, Deduct</i>	-7.48	
			<i>For &gt;25 To 50, Deduct</i>	-14.96	
			<i>For &gt;50 To 100, Deduct</i>	-22.44	
			<i>For &gt;100, Deduct</i>	-29.92	
23 41 33 00-0016	EA		8" x 8" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, Complete	105.09	13.75
			<i>For Removal And Replacement In Existing Equipment, Add</i>	2.75	
			<i>For &gt;10 To 25, Deduct</i>	-2.63	
			<i>For &gt;25 To 50, Deduct</i>	-5.25	
			<i>For &gt;50 To 100, Deduct</i>	-7.88	
			<i>For &gt;100, Deduct</i>	-10.51	
23 41 33 00-0017	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 150 CFM, Complete	139.37	18.57
			<i>For Removal And Replacement In Existing Equipment, Add</i>	3.71	
			<i>For &gt;10 To 25, Deduct</i>	-3.48	
			<i>For &gt;25 To 50, Deduct</i>	-6.97	
			<i>For &gt;50 To 100, Deduct</i>	-10.45	
			<i>For &gt;100, Deduct</i>	-13.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 41 33 00-0018	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 325 CFM, Complete	186.71	22.01
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.40	
			<i>For &gt;10 To 25, Deduct</i>	-4.67	
			<i>For &gt;25 To 50, Deduct</i>	-9.34	
			<i>For &gt;50 To 100, Deduct</i>	-14.00	
			<i>For &gt;100, Deduct</i>	-18.67	
23 41 33 00-0019	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 550 CFM, Complete	219.19	25.78
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.16	
			<i>For &gt;10 To 25, Deduct</i>	-5.48	
			<i>For &gt;25 To 50, Deduct</i>	-10.96	
			<i>For &gt;50 To 100, Deduct</i>	-16.44	
			<i>For &gt;100, Deduct</i>	-21.92	
23 41 33 00-0020	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	250.29	28.88
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.78	
			<i>For &gt;10 To 25, Deduct</i>	-6.26	
			<i>For &gt;25 To 50, Deduct</i>	-12.51	
			<i>For &gt;50 To 100, Deduct</i>	-18.77	
			<i>For &gt;100, Deduct</i>	-25.03	
23 41 33 00-0021	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 250 CFM, Complete	171.14	20.63
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.13	
			<i>For &gt;10 To 25, Deduct</i>	-4.28	
			<i>For &gt;25 To 50, Deduct</i>	-8.56	
			<i>For &gt;50 To 100, Deduct</i>	-12.84	
			<i>For &gt;100, Deduct</i>	-17.11	
23 41 33 00-0022	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 500 CFM, Complete	229.44	24.07
			<i>For Removal And Replacement In Existing Equipment, Add</i>	4.81	
			<i>For &gt;10 To 25, Deduct</i>	-5.74	
			<i>For &gt;25 To 50, Deduct</i>	-11.47	
			<i>For &gt;50 To 100, Deduct</i>	-17.21	
			<i>For &gt;100, Deduct</i>	-22.94	
23 41 33 00-0023	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 775 CFM, Complete	274.09	27.51
			<i>For Removal And Replacement In Existing Equipment, Add</i>	5.50	
			<i>For &gt;10 To 25, Deduct</i>	-6.85	
			<i>For &gt;25 To 50, Deduct</i>	-13.70	
			<i>For &gt;50 To 100, Deduct</i>	-20.56	
			<i>For &gt;100, Deduct</i>	-27.41	
23 41 33 00-0024	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter, 99.99% DOP Efficiency, 1,100 CFM, Complete	337.84	34.39
			<i>For Removal And Replacement In Existing Equipment, Add</i>	6.88	
			<i>For &gt;10 To 25, Deduct</i>	-8.45	
			<i>For &gt;25 To 50, Deduct</i>	-16.89	
			<i>For &gt;50 To 100, Deduct</i>	-25.34	
			<i>For &gt;100, Deduct</i>	-33.78	

**23 41 33 00-0025 High Efficiency Particulate Air (HEPA) Filter Housings, 14 Gauge Galvanized Sheet Metal** (23 41 33)

Note: Nominal sizes.

23 41 33 00-0026	EA		12" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	335.80	102.64
23 41 33 00-0027	EA		24" x 12" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	630.20	204.00
23 41 33 00-0028	EA		24" x 18" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	639.07	204.00
23 41 33 00-0029	EA		24" x 24" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	644.98	204.00
23 41 33 00-0030	EA		24" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	686.38	204.00
23 41 33 00-0031	EA		24" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	738.13	204.00
23 41 33 00-0032	EA		48" x 48" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,224.91	409.26
23 41 33 00-0033	EA		48" x 72" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,350.58	409.26
23 41 33 00-0034	EA		48" x 96" x 6", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,510.26	409.26
23 41 33 00-0035	EA		12" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	360.93	102.64
23 41 33 00-0036	EA		24" x 12" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	673.07	204.00
23 41 33 00-0037	EA		24" x 18" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	683.42	204.00
23 41 33 00-0038	EA		24" x 24" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	690.82	204.00
23 41 33 00-0039	EA		24" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	739.61	204.00
23 41 33 00-0040	EA		24" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	804.66	204.00
23 41 33 00-0041	EA		48" x 48" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,328.40	409.26
23 41 33 00-0042	EA		48" x 72" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,485.13	409.26
23 41 33 00-0043	EA		48" x 96" x 12", High Efficiency Particulate Air (HEPA) Filter Housings 14 Gauge Galvanized Sheet Metal	1,683.25	409.26

**23 41 33 00-0044 Filter, Bag Type, 90-95% Efficiency** (23 41 33)

23 41 33 00-0045	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 90 - 95% Efficiency	310.17	133.05
23 41 33 00-0046	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 90 - 95% Efficiency	351.54	133.05

**23 41 33 00-0047 Filter, Bag Type, 80-85% Efficiency** (23 41 33)

23 41 33 00-0048	EA		0.75 - 1.25 MCFM, 24" x 12" x 29" Filter, Bag Type, 80 - 85% Efficiency	305.42	133.05
23 41 33 00-0049	EA		1.5 - 2.5 MCFM, 24" x 24" x 29" Filter, Bag Type, 80 - 85% Efficiency	335.94	133.05

**23 42 Gas-Phase Air Filtration** (23 40)

**23 42 13 Activated-Carbon Air Filtration** (23 42)

23 42 13 00-0001	EA		12" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.04	10.32
23 42 13 00-0002	EA		16" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.55	10.32
23 42 13 00-0003	EA		16" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.87	10.32
23 42 13 00-0004	EA		20" x 20" x 1" Thick Activated Carbon Honeycomb Disposable Filter	47.87	10.32
23 42 13 00-0005	EA		20" x 25" x 1" Thick Activated Carbon Honeycomb Disposable Filter	51.75	10.32
23 42 13 00-0006	EA		24" x 24" x 1" Thick Activated Carbon Honeycomb Disposable Filter	58.12	10.32
23 42 13 00-0007	EA		12" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter	59.20	11.69



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 40 HVAC Air Cleaning Devices****23 42 Gas-Phase Air Filtration**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 42 13 00-0008	EA	16" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	59.63	11.69
23 42 13 00-0009	EA	16" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	60.00	11.69
23 42 13 00-0010	EA	20" x 20" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	60.00	11.69
23 42 13 00-0011	EA	20" x 25" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	64.29	11.69
23 42 13 00-0012	EA	24" x 24" x 2" Thick Activated Carbon Honeycomb Disposable Filter.....	76.24	11.69
23 42 13 00-0013	EA	16" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	29.30	10.32
23 42 13 00-0014	EA	16" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	31.14	10.32
23 42 13 00-0015	EA	20" x 20" x 1" Thick Carbon Impregnated Pleated Air Filter.....	31.21	10.32
23 42 13 00-0016	EA	20" x 25" x 1" Thick Carbon Impregnated Pleated Air Filter.....	33.62	10.32
23 42 13 00-0017	EA	24" x 24" x 1" Thick Carbon Impregnated Pleated Air Filter.....	35.77	10.32
23 42 13 00-0018	EA	16" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	33.89	11.69
23 42 13 00-0019	EA	16" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	37.10	11.69
23 42 13 00-0020	EA	20" x 20" x 2" Thick Carbon Impregnated Pleated Air Filter.....	37.78	11.69
23 42 13 00-0021	EA	20" x 25" x 2" Thick Carbon Impregnated Pleated Air Filter.....	41.77	11.69
23 42 13 00-0022	EA	24" x 24" x 2" Thick Carbon Impregnated Pleated Air Filter.....	44.31	11.69
23 42 13 00-0023	EA	24" x 24" x 4" Thick Carbon Impregnated Pleated Air Filter.....	71.92	12.38

**23 43 Electronic Air Cleaners (23 40)****23 43 23 Self-Contained Electronic Air Cleaners (23 43)****23 43 23 00-0001 Stationary Floor, Room Air Purifier (23 43 23)**

23 43 23 00-0002	EA	Stationary Floor Room Air Purifier, Up to 390 SF (Blueair Pro M).....	1,161.78	
23 43 23 00-0003	EA	Stationary Floor Room Air Purifier, Up to 780 SF (Blueair Pro L).....	1,614.18	
23 43 23 00-0004	EA	Stationary Floor Room Air Purifier, Up to 1,180 SF (Blueair Pro XL).....	4,070.04	
23 43 23 00-0005	EA	Stationary Floor Room Air Purifier, Up to 550 SF (Delos Compact).....	917.83	
23 43 23 00-0006	EA	Stationary Floor Room Air Purifier, Up to 1,125 SF (Delos 468 Ultrafine).....	1,644.89	
23 43 23 00-0007	EA	Stationary Floor Room Air Purifier, Up to 3,500 SF (Delos 980P Commercial).....	6,491.99	

**23 43 23 00-0008 Surface Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0009	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F114A1067).....	3,092.04	
23 43 23 00-0010	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F115A1064).....	4,260.92	
23 43 23 00-0011	EA	Ceiling Mount Media Air Cleaner With 99.97% HEPA Filters (Honeywell F111A1063W-3S).....	4,856.38	

**23 43 23 00-0012 Suspension Ceiling Mounted, Room Air Purifier (23 43 23)**

23 43 23 00-0013	EA	2' x 4' Suspension Ceiling Mounted, Air Purification System (Armstrong VidaShield UV24).....	3,933.50	
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**23 50 Central Heating Equipment (23)****23 51 Breechings, Chimneys, and Stacks (23 50)****23 51 13 Draft Control Devices (23 51)****23 51 13 13 Draft-Induction Fans (23 51 13)****23 51 13 13-0001 Vertical Discharge Fans (23 51 13 13)**

Note: Includes chimney adapter. Excludes wiring.

**23 51 13 13-0002 Axial Vane Vertical Discharge Fans (23 51 13 13-0001)**

23 51 13 13-0003	EA	450 CFM Vertical Discharge Chimney Fan, Axial Vane.....	3,758.08	278.75
23 51 13 13-0004	EA	950 CFM Vertical Discharge Chimney Fan, Axial Vane.....	4,260.57	304.09
23 51 13 13-0005	EA	1,400 CFM Vertical Discharge Chimney Fan, Axial Vane.....	5,114.57	335.78
23 51 13 13-0006	EA	1,800 CFM Vertical Discharge Chimney Fan, Axial Vane.....	6,684.65	389.62

**23 51 13 13-0007 Centrifugal Impeller Vertical Discharge Fans (23 51 13 13-0001)**

23 51 13 13-0008	EA	700 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	4,517.96	304.09
23 51 13 13-0009	EA	1,100 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	5,510.05	335.78
23 51 13 13-0010	EA	2,300 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	7,155.41	392.79
23 51 13 13-0011	EA	3,000 CFM Vertical Discharge Chimney Fan, Centrifugal Impeller.....	8,474.17	440.31

**23 51 13 13-0012 Accessories For Vertical Discharge Fans (23 51 13 13-0001)**

23 51 13 13-0013	EA	Modulating Fan Controller And Sensor.....	528.94	95.03
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**23 51 13 16 Vent Dampers (23 51 13)****23 51 13 16-0001 Flue Shutter Draft Control Damper, Parallel Blade (23 51 13 16)**

23 51 13 16-0002	EA	3" Round Flue Shutter Draft Control Damper.....	1,022.04	56.26
23 51 13 16-0003	EA	4" Round Flue Shutter Draft Control Damper.....	1,120.52	59.68
23 51 13 16-0004	EA	5" Round Flue Shutter Draft Control Damper.....	1,236.92	63.35
23 51 13 16-0005	EA	6" Round Flue Shutter Draft Control Damper.....	1,321.52	67.56
23 51 13 16-0006	EA	7" Round Flue Shutter Draft Control Damper.....	1,442.73	72.38
23 51 13 16-0007	EA	8" Round Flue Shutter Draft Control Damper.....	1,532.70	77.92
23 51 13 16-0008	EA	10" Round Flue Shutter Draft Control Damper.....	1,694.49	84.48
23 51 13 16-0009	EA	12" Round Flue Shutter Draft Control Damper.....	1,860.62	92.14
23 51 13 16-0010	EA	14" Round Flue Shutter Draft Control Damper.....	2,082.44	96.61
23 51 13 16-0011	EA	16" Round Flue Shutter Draft Control Damper.....	2,236.96	101.36
23 51 13 16-0012	EA	18" Round Flue Shutter Draft Control Damper.....	2,443.74	106.43
23 51 13 16-0013	EA	20" Round Flue Shutter Draft Control Damper.....	2,895.36	168.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 13 16-0014	EA		22" Round Flue Shutter Draft Control Damper .....	3,174.67	178.97
23 51 13 16-0015	EA		24" Round Flue Shutter Draft Control Damper .....	3,439.72	190.06
23 51 13 16-0016	EA		26" Round Flue Shutter Draft Control Damper .....	3,498.63	196.40
23 51 13 16-0017	EA		28" Round Flue Shutter Draft Control Damper .....	3,608.83	202.73
23 51 13 16-0018	EA		30" Round Flue Shutter Draft Control Damper .....	3,710.44	215.40
23 51 13 16-0019	EA		32" Round Flue Shutter Draft Control Damper .....	3,871.69	221.59
23 51 13 16-0020	EA		34" Round Flue Shutter Draft Control Damper .....	4,040.57	234.26
23 51 13 16-0021	EA		36" Round Flue Shutter Draft Control Damper .....	4,235.57	253.41
23 51 13 16-0022	EA		38" Round Flue Shutter Draft Control Damper .....	4,449.36	262.11
23 51 13 16-0023	EA		40" Round Flue Shutter Draft Control Damper .....	4,646.03	266.08
23 51 13 16-0024	EA		42" Round Flue Shutter Draft Control Damper .....	4,874.18	278.75
23 51 13 16-0025	EA		44" Round Flue Shutter Draft Control Damper .....	5,103.63	291.42
23 51 13 16-0026	EA		46" Round Flue Shutter Draft Control Damper .....	5,333.71	304.09
23 51 13 16-0027	EA		48" Round Flue Shutter Draft Control Damper .....	5,562.84	316.76

**23 51 13 19 Barometric Dampers (23 51 13)**

**23 51 13 19-0001 Barometric Dampers (23 51 13 19)**

23 51 13 19-0002	EA		6" x 6" Barometric Damper .....	467.89	10.98
23 51 13 19-0003	EA		12" x 12" Barometric Damper .....	676.58	15.10
23 51 13 19-0004	EA		18" x 18" Barometric Damper .....	907.82	23.33
23 51 13 19-0005	EA		24" x 24" Barometric Damper .....	1,091.37	43.92
23 51 13 19-0006	EA		6" Diameter Barometric Damper .....	231.35	10.98
			<i>For Stainless Steel, Add</i>	245.39	
23 51 13 19-0007	EA		7" Diameter Barometric Damper .....	273.67	12.35
			<i>For Stainless Steel, Add</i>	291.54	
23 51 13 19-0008	EA		8" Diameter Barometric Damper .....	317.53	13.72
			<i>For Stainless Steel, Add</i>	338.10	
23 51 13 19-0009	EA		9" Diameter Barometric Damper .....	389.84	13.72
			<i>For Stainless Steel, Add</i>	428.29	
23 51 13 19-0010	EA		10" Diameter Barometric Damper .....	512.17	16.47
			<i>For Stainless Steel, Add</i>	583.49	
23 51 13 19-0011	EA		12" Diameter Barometric Damper .....	649.46	17.84
			<i>For Stainless Steel, Add</i>	752.54	
23 51 13 19-0012	EA		14" Diameter Barometric Damper .....	815.47	19.21
			<i>For Stainless Steel, Add</i>	959.76	
23 51 13 19-0013	EA		15" Diameter Barometric Damper .....	972.54	20.59
			<i>For Stainless Steel, Add</i>	1,153.57	
23 51 13 19-0014	EA		16" Diameter Barometric Damper .....	1,127.60	23.33
			<i>For Stainless Steel, Add</i>	1,346.94	
23 51 13 19-0015	EA		18" Diameter Barometric Damper .....	1,483.08	24.70
			<i>For Stainless Steel, Add</i>	1,799.56	
23 51 13 19-0016	EA		20" Diameter Barometric Damper .....	1,764.34	27.45
			<i>For Stainless Steel, Add</i>	2,154.02	
23 51 13 19-0017	EA		24" Diameter Barometric Damper .....	2,125.77	27.45
			<i>For Stainless Steel, Add</i>	2,617.54	
23 51 13 19-0018	EA		30" Diameter Barometric Damper .....	2,619.40	31.57
			<i>For Stainless Steel, Add</i>	3,244.66	
23 51 13 19-0019	EA		36" Diameter Barometric Damper .....	3,339.01	32.94
			<i>For Stainless Steel, Add</i>	4,171.70	

**23 51 16 Fabricated Breechings and Accessories (23 51)**

**23 51 16 00-0001 Round Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)**

**23 51 16 00-0002 Round Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0001)**

23 51 16 00-0003	LF		3" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	35.13	11.28
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.39	
			<i>For 304 Stainless Steel Liner, Add</i>	0.53	
			<i>For 2" Wall Instead Of 1", Add</i>	4.91	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	8.78	
23 51 16 00-0004	LF		4" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	37.65	11.91
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.47	
			<i>For 304 Stainless Steel Liner, Add</i>	0.64	
			<i>For 2" Wall Instead Of 1", Add</i>	5.48	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.68	
23 51 16 00-0005	LF		5" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	41.52	12.67
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.56	
			<i>For 304 Stainless Steel Liner, Add</i>	0.76	
			<i>For 2" Wall Instead Of 1", Add</i>	6.19	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	10.85	
23 51 16 00-0006	LF		6" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	45.22	13.56
			Note: 0.012" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.65	
			<i>For 304 Stainless Steel Liner, Add</i>	0.89	
			<i>For 2" Wall Instead Of 1", Add</i>	6.88	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	12.00	
23 51 16 00-0007	LF		7" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	52.83	14.45
			Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness		
			<i>For Aluminum Liner, Add</i>	0.96	
			<i>For 304 Stainless Steel Liner, Add</i>	1.31	
			<i>For 2" Wall Instead Of 1", Add</i>	8.76	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	14.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0008	LF 8" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	58.71  1.07 1.45 9.75 16.58	15.59
23 51 16 00-0009	LF 10" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	83.44  2.25 3.07 16.53 26.92	16.73
23 51 16 00-0010	LF 12" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	101.01  3.02 4.12 21.08 33.92	18.50
23 51 16 00-0011	LF 14" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	140.44  5.07 6.91 32.48 51.13	19.26
23 51 16 00-0012	LF 16" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	174.73  6.83 9.32 42.33 66.01	20.27
23 51 16 00-0013	LF 18" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.014" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	214.29  8.83 12.04 53.53 82.99	21.28
23 51 16 00-0014	LF 20" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	274.02  10.48 14.29 65.51 102.44	33.83
23 51 16 00-0015	LF 22" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	330.43  13.21 18.02 81.10 126.15	35.73
23 51 16 00-0016	LF 24" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	391.97  16.29 22.21 98.43 152.44	38.01
23 51 16 00-0017	LF 26" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	454.32  19.59 26.72 116.68 179.93	39.28
23 51 16 00-0018	LF 28" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	476.22  20.62 28.12 122.60 188.97	40.55
23 51 16 00-0019	LF 30" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... Note: 0.022" (inner wall) and 0.018" (outer wall) material thickness <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	506.15  21.87 29.83 130.15 200.65	43.46
23 51 16 00-0020	LF 32" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	572.33  25.29 34.49 149.19 229.42	45.11
23 51 16 00-0021	LF 34" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	640.85  28.82 39.30 168.89 259.17	46.75
23 51 16 00-0022	LF 36" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe..... <i>For Aluminum Liner, Add</i> <i>For 304 Stainless Steel Liner, Add</i> <i>For 2" Wall Instead Of 1", Add</i> <i>For 3" To 4" Wall Instead Of 1", Add</i>	674.52  30.42 41.48 178.05 273.16	48.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0023	LF		38" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	731.34	50.68
			For Aluminum Liner, Add	33.26	
			For 304 Stainless Steel Liner, Add	45.36	
			For 2" Wall Instead Of 1", Add	194.09	
			For 3" To 4" Wall Instead Of 1", Add	297.47	
23 51 16 00-0024	LF		40" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	805.29	52.83
			For Aluminum Liner, Add	37.02	
			For 304 Stainless Steel Liner, Add	50.49	
			For 2" Wall Instead Of 1", Add	215.16	
			For 3" To 4" Wall Instead Of 1", Add	329.34	
23 51 16 00-0025	LF		42" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	842.48	55.25
			For Aluminum Liner, Add	38.73	
			For 304 Stainless Steel Liner, Add	52.82	
			For 2" Wall Instead Of 1", Add	225.09	
			For 3" To 4" Wall Instead Of 1", Add	344.55	
23 51 16 00-0026	LF		44" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	931.89	57.90
			For Aluminum Liner, Add	43.29	
			For 304 Stainless Steel Liner, Add	59.03	
			For 2" Wall Instead Of 1", Add	250.60	
			For 3" To 4" Wall Instead Of 1", Add	383.14	
23 51 16 00-0027	LF		46" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,011.62	60.82
			For Aluminum Liner, Add	47.28	
			For 304 Stainless Steel Liner, Add	64.47	
			For 2" Wall Instead Of 1", Add	273.07	
			For 3" To 4" Wall Instead Of 1", Add	417.21	
23 51 16 00-0028	LF		48" Round Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe.....	1,112.49	63.99
			For Aluminum Liner, Add	52.40	
			For 304 Stainless Steel Liner, Add	71.46	
			For 2" Wall Instead Of 1", Add	301.80	
			For 3" To 4" Wall Instead Of 1", Add	460.69	
<b>23 51 16 00-0029</b>			<b>90 Degree Elbows</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0030	EA		3" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	87.96	22.55
			For Aluminum Liner, Add	1.76	
			For 304 Stainless Steel Liner, Add	2.41	
			For 2" Wall Instead Of 1", Add	15.21	
			For 3" To 4" Wall Instead Of 1", Add	25.61	
23 51 16 00-0031	EA		4" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	97.28	23.82
			For Aluminum Liner, Add	2.08	
			For 304 Stainless Steel Liner, Add	2.84	
			For 2" Wall Instead Of 1", Add	17.30	
			For 3" To 4" Wall Instead Of 1", Add	28.92	
23 51 16 00-0032	EA		5" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	108.28	25.34
			For Aluminum Liner, Add	2.49	
			For 304 Stainless Steel Liner, Add	3.39	
			For 2" Wall Instead Of 1", Add	19.87	
			For 3" To 4" Wall Instead Of 1", Add	32.96	
23 51 16 00-0033	EA		6" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	119.58	26.99
			For Aluminum Liner, Add	2.89	
			For 304 Stainless Steel Liner, Add	3.94	
			For 2" Wall Instead Of 1", Add	22.47	
			For 3" To 4" Wall Instead Of 1", Add	37.05	
23 51 16 00-0034	EA		7" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	142.10	28.88
			For Aluminum Liner, Add	3.87	
			For 304 Stainless Steel Liner, Add	5.27	
			For 2" Wall Instead Of 1", Add	28.27	
			For 3" To 4" Wall Instead Of 1", Add	45.99	
23 51 16 00-0035	EA		8" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	165.95	31.17
			For Aluminum Liner, Add	4.84	
			For 304 Stainless Steel Liner, Add	6.60	
			For 2" Wall Instead Of 1", Add	34.20	
			For 3" To 4" Wall Instead Of 1", Add	55.20	
23 51 16 00-0036	EA		10" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	287.18	33.83
			For Aluminum Liner, Add	11.14	
			For 304 Stainless Steel Liner, Add	15.18	
			For 2" Wall Instead Of 1", Add	69.21	
			For 3" To 4" Wall Instead Of 1", Add	108.05	
23 51 16 00-0037	EA		12" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	347.38	36.87
			For Aluminum Liner, Add	14.04	
			For 304 Stainless Steel Liner, Add	19.15	
			For 2" Wall Instead Of 1", Add	85.79	
			For 3" To 4" Wall Instead Of 1", Add	133.29	
23 51 16 00-0038	EA		14" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	449.53	38.65
			For Aluminum Liner, Add	19.41	
			For 304 Stainless Steel Liner, Add	26.47	
			For 2" Wall Instead Of 1", Add	115.55	
			For 3" To 4" Wall Instead Of 1", Add	178.15	
23 51 16 00-0039	EA		16" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	551.86	40.55
			For Aluminum Liner, Add	24.79	
			For 304 Stainless Steel Liner, Add	33.80	
			For 2" Wall Instead Of 1", Add	145.32	
			For 3" To 4" Wall Instead Of 1", Add	223.04	
23 51 16 00-0040	EA		18" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	712.42	42.70
			For Aluminum Liner, Add	33.31	
			For 304 Stainless Steel Liner, Add	45.42	
			For 2" Wall Instead Of 1", Add	192.37	
			For 3" To 4" Wall Instead Of 1", Add	293.89	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 51 16 00-0041	EA	20" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,005.27	67.53
		For Aluminum Liner, Add	45.99	
		For 304 Stainless Steel Liner, Add	62.72	
		For 2" Wall Instead Of 1", Add	267.78	
		For 3" To 4" Wall Instead Of 1", Add	410.11	
23 51 16 00-0042	EA	22" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,323.29	71.59
		For Aluminum Liner, Add	62.94	
		For 304 Stainless Steel Liner, Add	85.82	
		For 2" Wall Instead Of 1", Add	361.20	
		For 3" To 4" Wall Instead Of 1", Add	550.74	
23 51 16 00-0043	EA	24" Round Flue/Vent, 90 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,493.03	76.02
		For Aluminum Liner, Add	71.65	
		For 304 Stainless Steel Liner, Add	97.71	
		For 2" Wall Instead Of 1", Add	409.86	
		For 3" To 4" Wall Instead Of 1", Add	624.30	
<b>23 51 16 00-0044</b>		<b>45 Degree Elbows</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0045	EA	3" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	74.75	22.55
		For Aluminum Liner, Add	1.02	
		For 304 Stainless Steel Liner, Add	1.39	
		For 2" Wall Instead Of 1", Add	11.17	
		For 3" To 4" Wall Instead Of 1", Add	19.57	
23 51 16 00-0046	EA	4" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	81.47	23.82
		For Aluminum Liner, Add	1.20	
		For 304 Stainless Steel Liner, Add	1.63	
		For 2" Wall Instead Of 1", Add	12.51	
		For 3" To 4" Wall Instead Of 1", Add	21.74	
23 51 16 00-0047	EA	5" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	89.01	25.34
		For Aluminum Liner, Add	1.41	
		For 304 Stainless Steel Liner, Add	1.92	
		For 2" Wall Instead Of 1", Add	14.03	
		For 3" To 4" Wall Instead Of 1", Add	24.21	
23 51 16 00-0048	EA	6" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	98.25	26.99
		For Aluminum Liner, Add	1.69	
		For 304 Stainless Steel Liner, Add	2.30	
		For 2" Wall Instead Of 1", Add	15.97	
		For 3" To 4" Wall Instead Of 1", Add	27.33	
23 51 16 00-0049	EA	7" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	116.38	28.88
		For Aluminum Liner, Add	2.42	
		For 304 Stainless Steel Liner, Add	3.30	
		For 2" Wall Instead Of 1", Add	20.44	
		For 3" To 4" Wall Instead Of 1", Add	34.28	
23 51 16 00-0050	EA	8" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	128.53	31.17
		For Aluminum Liner, Add	2.78	
		For 304 Stainless Steel Liner, Add	3.80	
		For 2" Wall Instead Of 1", Add	22.98	
		For 3" To 4" Wall Instead Of 1", Add	38.36	
23 51 16 00-0051	EA	10" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	211.03	33.83
		For Aluminum Liner, Add	6.96	
		For 304 Stainless Steel Liner, Add	9.49	
		For 2" Wall Instead Of 1", Add	46.41	
		For 3" To 4" Wall Instead Of 1", Add	73.84	
23 51 16 00-0052	EA	12" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	251.69	36.87
		For Aluminum Liner, Add	8.78	
		For 304 Stainless Steel Liner, Add	11.97	
		For 2" Wall Instead Of 1", Add	57.08	
		For 3" To 4" Wall Instead Of 1", Add	90.23	
23 51 16 00-0053	EA	14" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	321.05	38.65
		For Aluminum Liner, Add	12.35	
		For 304 Stainless Steel Liner, Add	16.84	
		For 2" Wall Instead Of 1", Add	77.00	
		For 3" To 4" Wall Instead Of 1", Add	120.33	
23 51 16 00-0054	EA	16" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	383.01	40.55
		For Aluminum Liner, Add	15.49	
		For 304 Stainless Steel Liner, Add	21.13	
		For 2" Wall Instead Of 1", Add	94.64	
		For 3" To 4" Wall Instead Of 1", Add	147.02	
23 51 16 00-0055	EA	18" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	485.21	42.70
		For Aluminum Liner, Add	20.82	
		For 304 Stainless Steel Liner, Add	28.39	
		For 2" Wall Instead Of 1", Add	124.22	
		For 3" To 4" Wall Instead Of 1", Add	191.67	
23 51 16 00-0056	EA	20" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	595.41	67.41
		For Aluminum Liner, Add	23.48	
		For 304 Stainless Steel Liner, Add	32.02	
		For 2" Wall Instead Of 1", Add	144.93	
		For 3" To 4" Wall Instead Of 1", Add	225.81	
23 51 16 00-0057	EA	22" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	821.55	71.59
		For Aluminum Liner, Add	35.34	
		For 304 Stainless Steel Liner, Add	48.19	
		For 2" Wall Instead Of 1", Add	210.67	
		For 3" To 4" Wall Instead Of 1", Add	324.96	
23 51 16 00-0058	EA	24" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe.....	1,004.18	76.02
		For Aluminum Liner, Add	44.78	
		For 304 Stainless Steel Liner, Add	61.07	
		For 2" Wall Instead Of 1", Add	263.27	
		For 3" To 4" Wall Instead Of 1", Add	404.40	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0059	EA		26" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,802.75	78.56
			For Aluminum Liner, Add	88.36	
			For 304 Stainless Steel Liner, Add	120.49	
			For 2" Wall Instead Of 1", Add	501.57	
			For 3" To 4" Wall Instead Of 1", Add	762.17	
23 51 16 00-0060	EA		28" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,853.08	81.09
			For Aluminum Liner, Add	90.78	
			For 304 Stainless Steel Liner, Add	123.79	
			For 2" Wall Instead Of 1", Add	515.40	
			For 3" To 4" Wall Instead Of 1", Add	783.24	
23 51 16 00-0061	EA		30" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	1,953.78	86.16
			For Aluminum Liner, Add	95.62	
			For 304 Stainless Steel Liner, Add	130.39	
			For 2" Wall Instead Of 1", Add	543.08	
			For 3" To 4" Wall Instead Of 1", Add	825.38	
23 51 16 00-0062	EA		32" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,180.16	88.69
			For Aluminum Liner, Add	107.72	
			For 304 Stainless Steel Liner, Add	146.89	
			For 2" Wall Instead Of 1", Add	609.73	
			For 3" To 4" Wall Instead Of 1", Add	925.67	
23 51 16 00-0063	EA		34" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,379.89	93.76
			For Aluminum Liner, Add	118.01	
			For 304 Stainless Steel Liner, Add	160.92	
			For 2" Wall Instead Of 1", Add	667.12	
			For 3" To 4" Wall Instead Of 1", Add	1,012.39	
23 51 16 00-0064	EA		36" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,453.89	101.36
			For Aluminum Liner, Add	121.04	
			For 304 Stainless Steel Liner, Add	165.05	
			For 2" Wall Instead Of 1", Add	685.52	
			For 3" To 4" Wall Instead Of 1", Add	1,040.94	
23 51 16 00-0065	EA		38" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,627.80	104.91
			For Aluminum Liner, Add	130.11	
			For 304 Stainless Steel Liner, Add	177.43	
			For 2" Wall Instead Of 1", Add	735.92	
			For 3" To 4" Wall Instead Of 1", Add	1,116.98	
23 51 16 00-0066	EA		40" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,796.66	106.43
			For Aluminum Liner, Add	139.19	
			For 304 Stainless Steel Liner, Add	189.81	
			For 2" Wall Instead Of 1", Add	785.81	
			For 3" To 4" Wall Instead Of 1", Add	1,192.02	
23 51 16 00-0067	EA		42" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	2,919.34	111.50
			For Aluminum Liner, Add	145.24	
			For 304 Stainless Steel Liner, Add	198.06	
			For 2" Wall Instead Of 1", Add	820.09	
			For 3" To 4" Wall Instead Of 1", Add	1,244.06	
23 51 16 00-0068	EA		44" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	3,097.04	116.57
			For Aluminum Liner, Add	154.32	
			For 304 Stainless Steel Liner, Add	210.44	
			For 2" Wall Instead Of 1", Add	870.87	
			For 3" To 4" Wall Instead Of 1", Add	1,320.86	
23 51 16 00-0069	EA		46" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	3,329.76	121.64
			For Aluminum Liner, Add	166.42	
			For 304 Stainless Steel Liner, Add	226.94	
			For 2" Wall Instead Of 1", Add	938.15	
			For 3" To 4" Wall Instead Of 1", Add	1,422.42	
23 51 16 00-0070	EA		48" Round Flue/Vent, 45 Degree Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	3,452.46	126.71
			For Aluminum Liner, Add	172.48	
			For 304 Stainless Steel Liner, Add	235.19	
			For 2" Wall Instead Of 1", Add	972.43	
			For 3" To 4" Wall Instead Of 1", Add	1,474.47	
<b>23 51 16 00-0071</b>			<b>Tees</b> <small>(23 51 16 00-0001)</small>		
23 51 16 00-0072	EA		3" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	120.30	30.03
			For Aluminum Liner, Add	2.48	
			For 304 Stainless Steel Liner, Add	3.38	
			For 2" Wall Instead Of 1", Add	21.05	
			For 3" To 4" Wall Instead Of 1", Add	35.34	
23 51 16 00-0073	EA		4" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	125.23	31.17
			For Aluminum Liner, Add	2.60	
			For 304 Stainless Steel Liner, Add	3.55	
			For 2" Wall Instead Of 1", Add	21.99	
			For 3" To 4" Wall Instead Of 1", Add	36.87	
23 51 16 00-0074	EA		5" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	130.61	32.44
			For Aluminum Liner, Add	2.72	
			For 304 Stainless Steel Liner, Add	3.71	
			For 2" Wall Instead Of 1", Add	22.96	
			For 3" To 4" Wall Instead Of 1", Add	38.50	
23 51 16 00-0075	EA		6" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	139.53	33.83
			For Aluminum Liner, Add	3.03	
			For 304 Stainless Steel Liner, Add	4.13	
			For 2" Wall Instead Of 1", Add	24.96	
			For 3" To 4" Wall Instead Of 1", Add	41.66	
23 51 16 00-0076	EA		7" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	164.11	35.23
			For Aluminum Liner, Add	4.18	
			For 304 Stainless Steel Liner, Add	5.69	
			For 2" Wall Instead Of 1", Add	31.60	
			For 3" To 4" Wall Instead Of 1", Add	51.80	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 51 16 00-0077	EA 8" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	175.73	36.87
	For Aluminum Liner, Add	4.60	
	For 304 Stainless Steel Liner, Add	6.27	
	For 2" Wall Instead Of 1", Add	34.30	
	For 3" To 4" Wall Instead Of 1", Add	56.05	
23 51 16 00-0078	EA 10" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	323.22	38.65
	For Aluminum Liner, Add	12.47	
	For 304 Stainless Steel Liner, Add	17.00	
	For 2" Wall Instead Of 1", Add	77.66	
	For 3" To 4" Wall Instead Of 1", Add	121.31	
23 51 16 00-0079	EA 12" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	374.21	40.55
	For Aluminum Liner, Add	15.01	
	For 304 Stainless Steel Liner, Add	20.47	
	For 2" Wall Instead Of 1", Add	92.00	
	For 3" To 4" Wall Instead Of 1", Add	143.06	
23 51 16 00-0080	EA 14" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	557.14	45.11
	For Aluminum Liner, Add	24.45	
	For 304 Stainless Steel Liner, Add	33.34	
	For 2" Wall Instead Of 1", Add	144.62	
	For 3" To 4" Wall Instead Of 1", Add	222.56	
23 51 16 00-0081	EA 16" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	756.04	50.68
	For Aluminum Liner, Add	34.62	
	For 304 Stainless Steel Liner, Add	47.20	
	For 2" Wall Instead Of 1", Add	201.48	
	For 3" To 4" Wall Instead Of 1", Add	308.55	
23 51 16 00-0082	EA 18" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	937.01	57.90
	For Aluminum Liner, Add	43.57	
	For 304 Stainless Steel Liner, Add	59.42	
	For 2" Wall Instead Of 1", Add	252.15	
	For 3" To 4" Wall Instead Of 1", Add	385.46	
23 51 16 00-0083	EA 20" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,246.07	71.59
	For Aluminum Liner, Add	58.70	
	For 304 Stainless Steel Liner, Add	80.05	
	For 2" Wall Instead Of 1", Add	338.07	
	For 3" To 4" Wall Instead Of 1", Add	516.04	
23 51 16 00-0084	EA 22" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,565.16	93.51
	For Aluminum Liner, Add	73.23	
	For 304 Stainless Steel Liner, Add	99.85	
	For 2" Wall Instead Of 1", Add	422.79	
	For 3" To 4" Wall Instead Of 1", Add	645.88	
23 51 16 00-0085	EA 24" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	1,798.54	98.83
	For Aluminum Liner, Add	85.33	
	For 304 Stainless Steel Liner, Add	116.36	
	For 2" Wall Instead Of 1", Add	490.14	
	For 3" To 4" Wall Instead Of 1", Add	747.57	
23 51 16 00-0086	EA 26" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,466.83	106.43
	For Aluminum Liner, Add	121.04	
	For 304 Stainless Steel Liner, Add	165.05	
	For 2" Wall Instead Of 1", Add	686.81	
	For 3" To 4" Wall Instead Of 1", Add	1,043.53	
23 51 16 00-0087	EA 28" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,752.13	110.61
	For Aluminum Liner, Add	136.16	
	For 304 Stainless Steel Liner, Add	185.68	
	For 2" Wall Instead Of 1", Add	770.36	
	For 3" To 4" Wall Instead Of 1", Add	1,169.36	
23 51 16 00-0088	EA 30" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	2,987.20	116.57
	For Aluminum Liner, Add	148.27	
	For 304 Stainless Steel Liner, Add	202.18	
	For 2" Wall Instead Of 1", Add	837.88	
	For 3" To 4" Wall Instead Of 1", Add	1,271.39	
23 51 16 00-0089	EA 32" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,439.92	121.64
	For Aluminum Liner, Add	172.48	
	For 304 Stainless Steel Liner, Add	235.19	
	For 2" Wall Instead Of 1", Add	971.18	
	For 3" To 4" Wall Instead Of 1", Add	1,471.96	
23 51 16 00-0090	EA 34" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	3,507.69	126.71
	For Aluminum Liner, Add	175.50	
	For 304 Stainless Steel Liner, Add	239.32	
	For 2" Wall Instead Of 1", Add	988.96	
	For 3" To 4" Wall Instead Of 1", Add	1,499.27	
23 51 16 00-0091	EA 36" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,079.16	135.20
	For Aluminum Liner, Add	205.76	
	For 304 Stainless Steel Liner, Add	280.58	
	For 2" Wall Instead Of 1", Add	1,156.13	
	For 3" To 4" Wall Instead Of 1", Add	1,751.10	
23 51 16 00-0092	EA 38" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,176.38	152.05
	For Aluminum Liner, Add	208.79	
	For 304 Stainless Steel Liner, Add	284.71	
	For 2" Wall Instead Of 1", Add	1,176.86	
	For 3" To 4" Wall Instead Of 1", Add	1,784.30	
23 51 16 00-0093	EA 40" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	4,560.73	173.84
	For Aluminum Liner, Add	226.94	
	For 304 Stainless Steel Liner, Add	309.47	
	For 2" Wall Instead Of 1", Add	1,281.32	
	For 3" To 4" Wall Instead Of 1", Add	1,943.70	
23 51 16 00-0094	EA 42" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,018.14	202.73
	For Aluminum Liner, Add	248.12	
	For 304 Stainless Steel Liner, Add	338.35	
	For 2" Wall Instead Of 1", Add	1,404.08	
	For 3" To 4" Wall Instead Of 1", Add	2,131.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0095	EA		44" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,466.15	228.07
			For Aluminum Liner, Add	269.30	
			For 304 Stainless Steel Liner, Add	367.23	
			For 2" Wall Instead Of 1", Add	1,525.90	
			For 3" To 4" Wall Instead Of 1", Add	2,317.34	
23 51 16 00-0096	EA		46" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	5,980.36	235.67
			For Aluminum Liner, Add	296.54	
			For 304 Stainless Steel Liner, Add	404.37	
			For 2" Wall Instead Of 1", Add	1,676.35	
			For 3" To 4" Wall Instead Of 1", Add	2,543.97	
23 51 16 00-0097	EA		48" Round Flue/Vent, Tee, Galvanized Double Wall Breech/Smoke Pipe.....	6,329.67	243.27
			For Aluminum Liner, Add	314.69	
			For 304 Stainless Steel Liner, Add	429.13	
			For 2" Wall Instead Of 1", Add	1,777.30	
			For 3" To 4" Wall Instead Of 1", Add	2,696.35	
<b>23 51 16 00-0098</b>			<b>Vent Top Caps (23 51 16 00-0001)</b>		
23 51 16 00-0099	EA		3" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	61.14	17.61
			For Aluminum Liner, Add	0.94	
			For 304 Stainless Steel Liner, Add	1.28	
			For 2" Wall Instead Of 1", Add	9.53	
			For 3" To 4" Wall Instead Of 1", Add	16.49	
23 51 16 00-0100	EA		4" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	64.06	18.50
			For Aluminum Liner, Add	0.99	
			For 304 Stainless Steel Liner, Add	1.35	
			For 2" Wall Instead Of 1", Add	9.99	
			For 3" To 4" Wall Instead Of 1", Add	17.30	
23 51 16 00-0101	EA		6" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	81.82	20.27
			For Aluminum Liner, Add	1.71	
			For 304 Stainless Steel Liner, Add	2.34	
			For 2" Wall Instead Of 1", Add	14.41	
			For 3" To 4" Wall Instead Of 1", Add	24.15	
23 51 16 00-0102	EA		8" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	87.40	22.55
			For Aluminum Liner, Add	1.71	
			For 304 Stainless Steel Liner, Add	2.34	
			For 2" Wall Instead Of 1", Add	14.97	
			For 3" To 4" Wall Instead Of 1", Add	25.27	
23 51 16 00-0103	EA		10" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	105.44	23.82
			For Aluminum Liner, Add	2.52	
			For 304 Stainless Steel Liner, Add	3.44	
			For 2" Wall Instead Of 1", Add	19.72	
			For 3" To 4" Wall Instead Of 1", Add	32.56	
23 51 16 00-0104	EA		12" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	123.87	25.34
			For Aluminum Liner, Add	3.33	
			For 304 Stainless Steel Liner, Add	4.54	
			For 2" Wall Instead Of 1", Add	24.49	
			For 3" To 4" Wall Instead Of 1", Add	39.90	
23 51 16 00-0105	EA		16" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	284.72	28.88
			For Aluminum Liner, Add	11.68	
			For 304 Stainless Steel Liner, Add	15.93	
			For 2" Wall Instead Of 1", Add	70.94	
			For 3" To 4" Wall Instead Of 1", Add	110.03	
23 51 16 00-0106	EA		18" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	526.21	36.23
			For Aluminum Liner, Add	23.97	
			For 304 Stainless Steel Liner, Add	32.68	
			For 2" Wall Instead Of 1", Add	139.77	
			For 3" To 4" Wall Instead Of 1", Add	214.17	
23 51 16 00-0107	EA		20" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	966.84	43.46
			For Aluminum Liner, Add	47.20	
			For 304 Stainless Steel Liner, Add	64.37	
			For 2" Wall Instead Of 1", Add	268.33	
			For 3" To 4" Wall Instead Of 1", Add	407.93	
23 51 16 00-0108	EA		24" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	1,604.49	60.82
			For Aluminum Liner, Add	79.88	
			For 304 Stainless Steel Liner, Add	108.93	
			For 2" Wall Instead Of 1", Add	450.93	
			For 3" To 4" Wall Instead Of 1", Add	684.00	
23 51 16 00-0109	EA		26" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,360.62	63.99
			For Aluminum Liner, Add	121.04	
			For 304 Stainless Steel Liner, Add	165.05	
			For 2" Wall Instead Of 1", Add	676.19	
			For 3" To 4" Wall Instead Of 1", Add	1,022.28	
23 51 16 00-0110	EA		28" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,644.66	67.53
			For Aluminum Liner, Add	136.16	
			For 304 Stainless Steel Liner, Add	185.68	
			For 2" Wall Instead Of 1", Add	759.61	
			For 3" To 4" Wall Instead Of 1", Add	1,147.86	
23 51 16 00-0111	EA		30" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	2,984.78	71.59
			For Aluminum Liner, Add	154.32	
			For 304 Stainless Steel Liner, Add	210.44	
			For 2" Wall Instead Of 1", Add	859.64	
			For 3" To 4" Wall Instead Of 1", Add	1,298.41	
23 51 16 00-0112	EA		32" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe .....	3,161.01	76.02
			For Aluminum Liner, Add	163.40	
			For 304 Stainless Steel Liner, Add	222.82	
			For 2" Wall Instead Of 1", Add	910.28	
			For 3" To 4" Wall Instead Of 1", Add	1,374.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0113	EA		34" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	3,338.72	81.09
			<i>For Aluminum Liner, Add</i>	172.48	
			<i>For 304 Stainless Steel Liner, Add</i>	235.19	
			<i>For 2" Wall Instead Of 1", Add</i>	961.06	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,451.72	
23 51 16 00-0114	EA		36" Round Flue/Vent Top Caps, Galvanized Double Wall Breech/Smoke Pipe.....	3,573.10	86.92
			<i>For Aluminum Liner, Add</i>	184.58	
			<i>For 304 Stainless Steel Liner, Add</i>	251.70	
			<i>For 2" Wall Instead Of 1", Add</i>	1,028.51	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	1,553.62	
<b>23 51 16 00-0115 Wall Thimbles (23 51 16 00-0001)</b>					
23 51 16 00-0116	EA		3" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	25.64	9.50
			<i>For Aluminum Liner, Add</i>	0.11	
			<i>For 304 Stainless Steel Liner, Add</i>	0.15	
			<i>For 2" Wall Instead Of 1", Add</i>	2.95	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	5.62	
23 51 16 00-0117	EA		4" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	32.54	12.17
			<i>For Aluminum Liner, Add</i>	0.11	
			<i>For 304 Stainless Steel Liner, Add</i>	0.15	
			<i>For 2" Wall Instead Of 1", Add</i>	3.66	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	7.01	
23 51 16 00-0118	EA		5" Or 6" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	43.33	16.35
			<i>For Aluminum Liner, Add</i>	0.14	
			<i>For 304 Stainless Steel Liner, Add</i>	0.18	
			<i>For 2" Wall Instead Of 1", Add</i>	4.83	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	9.28	
23 51 16 00-0119	EA		7" Or 8" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	54.19	20.27
			<i>For Aluminum Liner, Add</i>	0.19	
			<i>For 304 Stainless Steel Liner, Add</i>	0.26	
			<i>For 2" Wall Instead Of 1", Add</i>	6.12	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	11.72	
23 51 16 00-0120	EA		10" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	77.43	27.37
			<i>For Aluminum Liner, Add</i>	0.50	
			<i>For 304 Stainless Steel Liner, Add</i>	0.68	
			<i>For 2" Wall Instead Of 1", Add</i>	9.55	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	17.74	
23 51 16 00-0121	EA		12" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe.....	97.66	33.95
			<i>For Aluminum Liner, Add</i>	0.70	
			<i>For 304 Stainless Steel Liner, Add</i>	0.96	
			<i>For 2" Wall Instead Of 1", Add</i>	12.32	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	22.72	
23 51 16 00-0122	EA		14" Or 16" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	123.00	40.55
			<i>For Aluminum Liner, Add</i>	1.19	
			<i>For 304 Stainless Steel Liner, Add</i>	1.62	
			<i>For 2" Wall Instead Of 1", Add</i>	16.63	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	30.01	
23 51 16 00-0123	EA		18" Or 20" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	159.09	48.15
			<i>For Aluminum Liner, Add</i>	2.13	
			<i>For 304 Stainless Steel Liner, Add</i>	2.90	
			<i>For 2" Wall Instead Of 1", Add</i>	23.65	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	41.50	
23 51 16 00-0124	EA		22" Or 24" Round Flue/Vent Wall Thimbles, Galvanized Double Wall Breech/Smoke Pipe .....	210.89	53.22
			<i>For Aluminum Liner, Add</i>	4.28	
			<i>For 304 Stainless Steel Liner, Add</i>	5.84	
			<i>For 2" Wall Instead Of 1", Add</i>	36.66	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	61.64	
<b>23 51 16 00-0125 Adjustable Roof Flashing (23 51 16 00-0001)</b>					
23 51 16 00-0126	EA		3" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	68.92	22.55
			<i>For Aluminum Liner, Add</i>	0.70	
			<i>For 304 Stainless Steel Liner, Add</i>	0.95	
			<i>For 2" Wall Instead Of 1", Add</i>	9.42	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	16.95	
23 51 16 00-0127	EA		4" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	75.95	23.82
			<i>For Aluminum Liner, Add</i>	0.90	
			<i>For 304 Stainless Steel Liner, Add</i>	1.22	
			<i>For 2" Wall Instead Of 1", Add</i>	10.85	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	19.26	
23 51 16 00-0128	EA		6" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	94.81	26.99
			<i>For Aluminum Liner, Add</i>	1.50	
			<i>For 304 Stainless Steel Liner, Add</i>	2.05	
			<i>For 2" Wall Instead Of 1", Add</i>	14.94	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	25.78	
23 51 16 00-0129	EA		8" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	115.22	31.17
			<i>For Aluminum Liner, Add</i>	2.05	
			<i>For 304 Stainless Steel Liner, Add</i>	2.80	
			<i>For 2" Wall Instead Of 1", Add</i>	18.98	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	32.37	
23 51 16 00-0130	EA		10" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	186.84	33.83
			<i>For Aluminum Liner, Add</i>	5.63	
			<i>For 304 Stainless Steel Liner, Add</i>	7.67	
			<i>For 2" Wall Instead Of 1", Add</i>	39.15	
			<i>For 3" To 4" Wall Instead Of 1", Add</i>	62.95	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0131	EA		12" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	221.95	36.87
			For Aluminum Liner, Add	7.14	
			For 304 Stainless Steel Liner, Add	9.74	
			For 2" Wall Instead Of 1", Add	48.16	
			For 3" To 4" Wall Instead Of 1", Add	76.85	
23 51 16 00-0132	EA		14" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	260.91	40.55
			For Aluminum Liner, Add	8.78	
			For 304 Stainless Steel Liner, Add	11.97	
			For 2" Wall Instead Of 1", Add	58.00	
			For 3" To 4" Wall Instead Of 1", Add	92.07	
23 51 16 00-0133	EA		16" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	310.83	45.11
			For Aluminum Liner, Add	10.89	
			For 304 Stainless Steel Liner, Add	14.85	
			For 2" Wall Instead Of 1", Add	70.70	
			For 3" To 4" Wall Instead Of 1", Add	111.68	
23 51 16 00-0134	EA		18" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	467.86	50.68
			For Aluminum Liner, Add	18.76	
			For 304 Stainless Steel Liner, Add	25.58	
			For 2" Wall Instead Of 1", Add	115.01	
			For 3" To 4" Wall Instead Of 1", Add	178.85	
23 51 16 00-0135	EA		20" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	516.64	67.53
			For Aluminum Liner, Add	19.12	
			For 304 Stainless Steel Liner, Add	26.08	
			For 2" Wall Instead Of 1", Add	121.20	
			For 3" To 4" Wall Instead Of 1", Add	190.25	
23 51 16 00-0136	EA		22" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	657.39	86.92
			For Aluminum Liner, Add	24.21	
			For 304 Stainless Steel Liner, Add	33.01	
			For 2" Wall Instead Of 1", Add	153.77	
			For 3" To 4" Wall Instead Of 1", Add	241.51	
23 51 16 00-0137	EA		24" Round Flue/Vent Adjustable Roof Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	781.56	101.36
			For Aluminum Liner, Add	29.05	
			For 304 Stainless Steel Liner, Add	39.61	
			For 2" Wall Instead Of 1", Add	183.79	
			For 3" To 4" Wall Instead Of 1", Add	288.35	
<b>23 51 16 00-0138 Galvanized Storm Collars (23 51 16 00-0001)</b>					
23 51 16 00-0139	EA		3" Round Galvanized Storm Collar, Double Wall .....	27.34	9.50
			For Aluminum Liner, Add	0.20	
			For 304 Stainless Steel Liner, Add	0.27	
			For 2" Wall Instead Of 1", Add	3.46	
			For 3" To 4" Wall Instead Of 1", Add	6.38	
23 51 16 00-0140	EA		4" Round Galvanized Storm Collar, Double Wall .....	34.60	12.17
			For Aluminum Liner, Add	0.23	
			For 304 Stainless Steel Liner, Add	0.31	
			For 2" Wall Instead Of 1", Add	4.30	
			For 3" To 4" Wall Instead Of 1", Add	7.97	
23 51 16 00-0141	EA		5" Round Galvanized Storm Collar, Double Wall .....	40.69	14.20
			For Aluminum Liner, Add	0.29	
			For 304 Stainless Steel Liner, Add	0.39	
			For 2" Wall Instead Of 1", Add	5.11	
			For 3" To 4" Wall Instead Of 1", Add	9.44	
23 51 16 00-0142	EA		6" Round Galvanized Storm Collar, Double Wall .....	46.81	16.21
			For Aluminum Liner, Add	0.34	
			For 304 Stainless Steel Liner, Add	0.47	
			For 2" Wall Instead Of 1", Add	5.93	
			For 3" To 4" Wall Instead Of 1", Add	10.93	
23 51 16 00-0143	EA		7" Or 8" Round Galvanized Storm Collar, Double Wall .....	59.01	20.27
			For Aluminum Liner, Add	0.46	
			For 304 Stainless Steel Liner, Add	0.62	
			For 2" Wall Instead Of 1", Add	7.57	
			For 3" To 4" Wall Instead Of 1", Add	13.88	
23 51 16 00-0144	EA		10" Round Galvanized Storm Collar, Double Wall .....	81.49	27.37
			For Aluminum Liner, Add	0.72	
			For 304 Stainless Steel Liner, Add	0.98	
			For 2" Wall Instead Of 1", Add	10.76	
			For 3" To 4" Wall Instead Of 1", Add	19.56	
23 51 16 00-0145	EA		12" Round Galvanized Storm Collar, Double Wall .....	100.59	33.95
			For Aluminum Liner, Add	0.86	
			For 304 Stainless Steel Liner, Add	1.18	
			For 2" Wall Instead Of 1", Add	13.20	
			For 3" To 4" Wall Instead Of 1", Add	24.04	
23 51 16 00-0146	EA		14" Or 16" Round Galvanized Storm Collar, Double Wall .....	127.98	40.55
			For Aluminum Liner, Add	1.46	
			For 304 Stainless Steel Liner, Add	2.00	
			For 2" Wall Instead Of 1", Add	18.12	
			For 3" To 4" Wall Instead Of 1", Add	32.25	
23 51 16 00-0147	EA		18" Or 20" Round Galvanized Storm Collar, Double Wall .....	168.58	48.15
			For Aluminum Liner, Add	2.65	
			For 304 Stainless Steel Liner, Add	3.62	
			For 2" Wall Instead Of 1", Add	26.50	
			For 3" To 4" Wall Instead Of 1", Add	45.77	
23 51 16 00-0148	EA		22" Or 24" Round Galvanized Storm Collar, Double Wall .....	234.61	53.22
			For Aluminum Liner, Add	5.59	
			For 304 Stainless Steel Liner, Add	7.62	
			For 2" Wall Instead Of 1", Add	43.78	
			For 3" To 4" Wall Instead Of 1", Add	72.31	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0149			Oval Galvanized Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0150			Oval Galvanized Double Wall Flue/Vent Pipe (23 51 16 00-0149)		
23 51 16 00-0151	LF		4" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	45.55	11.91
			For 2" Wall Instead Of 1", Add	7.71	
			For 3" To 4" Wall Instead Of 1", Add	13.06	
23 51 16 00-0152	LF		5" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	50.17	12.67
			For 2" Wall Instead Of 1", Add	8.76	
			For 3" To 4" Wall Instead Of 1", Add	14.72	
23 51 16 00-0153	LF		6" Oval Flue/Vent Pipe, Galvanized Double Wall Breech/Smoke Pipe .....	55.55	13.56
			For 2" Wall Instead Of 1", Add	9.90	
			For 3" To 4" Wall Instead Of 1", Add	16.54	
23 51 16 00-0154			45 Degree Elbows (23 51 16 00-0149)		
23 51 16 00-0155	EA		4" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	99.61	24.71
			For 2" Wall Instead Of 1", Add	17.52	
			For 3" To 4" Wall Instead Of 1", Add	29.37	
23 51 16 00-0156	EA		5" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	116.24	28.88
			For 2" Wall Instead Of 1", Add	20.43	
			For 3" To 4" Wall Instead Of 1", Add	34.25	
23 51 16 00-0157	EA		6" Standard Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	138.18	32.69
			For 2" Wall Instead Of 1", Add	25.10	
			For 3" To 4" Wall Instead Of 1", Add	41.74	
23 51 16 00-0158	EA		4" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	101.50	24.71
			For 2" Wall Instead Of 1", Add	18.09	
			For 3" To 4" Wall Instead Of 1", Add	30.22	
23 51 16 00-0159	EA		5" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	120.83	28.88
			For 2" Wall Instead Of 1", Add	21.80	
			For 3" To 4" Wall Instead Of 1", Add	36.32	
23 51 16 00-0160	EA		6" Flat Oval Flue/Vent 45 Elbow, Galvanized Double Wall Breech/Smoke Pipe .....	141.15	32.69
			For 2" Wall Instead Of 1", Add	26.00	
			For 3" To 4" Wall Instead Of 1", Add	43.08	
23 51 16 00-0161			Tees (23 51 16 00-0149)		
23 51 16 00-0162	EA		4" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe .....	165.94	37.51
			For 2" Wall Instead Of 1", Add	31.01	
			For 3" To 4" Wall Instead Of 1", Add	51.21	
23 51 16 00-0163	EA		4" Short Snout Oval Flue/Vent Tee, Galvanized Double Wall Breech/Smoke Pipe .....	168.91	37.51
			For 2" Wall Instead Of 1", Add	31.90	
			For 3" To 4" Wall Instead Of 1", Add	52.55	
23 51 16 00-0164	EA		5" Standard Oval Flue/Vent Pipe Tee, Galvanized Double Wall Breech/Smoke Pipe .....	194.11	43.08
			For 2" Wall Instead Of 1", Add	36.69	
			For 3" To 4" Wall Instead Of 1", Add	60.42	
23 51 16 00-0165	EA		6" Oval Flue/Vent Tee With Round Coupling, Galvanized Double Wall Breech/Smoke Pipe .....	221.93	48.28
			For 2" Wall Instead Of 1", Add	42.45	
			For 3" To 4" Wall Instead Of 1", Add	69.70	
23 51 16 00-0166			Tops/Caps And Adjustable Flashing (23 51 16 00-0149)		
23 51 16 00-0167	EA		4" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe .....	63.20	12.17
			For 2" Wall Instead Of 1", Add	12.85	
			For 3" To 4" Wall Instead Of 1", Add	20.81	
23 51 16 00-0168	EA		6" Oval Flue/Vent Pipe Top/Cap, Galvanized Double Wall Breech/Smoke Pipe .....	98.25	16.35
			For 2" Wall Instead Of 1", Add	21.30	
			For 3" To 4" Wall Instead Of 1", Add	34.00	
23 51 16 00-0169	EA		4" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	51.59	12.17
			For 2" Wall Instead Of 1", Add	9.37	
			For 3" To 4" Wall Instead Of 1", Add	15.58	
23 51 16 00-0170	EA		6" Oval Flue/Vent Adjustable Flashing, Galvanized Double Wall Breech/Smoke Pipe .....	87.31	16.35
			For 2" Wall Instead Of 1", Add	18.02	
			For 3" To 4" Wall Instead Of 1", Add	29.07	
23 51 16 00-0171			Storm Collars (23 51 16 00-0149)		
23 51 16 00-0172	EA		4" Oval Galvanized Storm Collar, Double Wall .....	34.60	12.17
			For 2" Wall Instead Of 1", Add	4.30	
			For 3" To 4" Wall Instead Of 1", Add	7.97	
23 51 16 00-0173	EA		5" Oval Galvanized Storm Collar, Double Wall .....	40.69	14.20
			For 2" Wall Instead Of 1", Add	5.11	
			For 3" To 4" Wall Instead Of 1", Add	9.44	
23 51 16 00-0174	EA		6" Oval Galvanized Storm Collar, Double Wall .....	46.81	16.21
			For 2" Wall Instead Of 1", Add	5.93	
			For 3" To 4" Wall Instead Of 1", Add	10.93	
23 51 16 00-0175			Round Double Wall Flue/Vent Pipe And Fittings (23 51 16)		
23 51 16 00-0176			Round Double Wall Flue/Vent Pipe (23 51 16 00-0175)		
			Note: 304 Stainless steel inner wall and aluminum steel outer jacket, with 1" insulation.		
23 51 16 00-0177	LF		6" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	117.94	13.56
			For 316 Stainless Steel, Add	13.46	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	8.41	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	16.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0178	LF		8" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	141.68	15.99
			For 316 Stainless Steel, Add .....	16.42	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	10.27	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	20.53	
23 51 16 00-0179	LF		10" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	157.19	16.85
			For 316 Stainless Steel, Add .....	18.40	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	11.50	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	23.00	
23 51 16 00-0180	LF		12" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	177.16	18.37
			For 316 Stainless Steel, Add .....	20.97	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	13.11	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	26.22	
23 51 16 00-0181	LF		14" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	199.16	19.26
			For 316 Stainless Steel, Add .....	24.14	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	15.09	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	30.18	
23 51 16 00-0182	LF		16" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	210.31	20.27
			For 316 Stainless Steel, Add .....	25.53	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	15.95	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	31.91	
23 51 16 00-0183	LF		18" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	232.74	21.41
			For 316 Stainless Steel, Add .....	28.69	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	17.93	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	35.87	
23 51 16 00-0184	LF		20" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	289.81	33.83
			For 316 Stainless Steel, Add .....	32.85	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	20.53	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	41.06	
23 51 16 00-0185	LF		24" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	359.71	38.01
			For 316 Stainless Steel, Add .....	42.35	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	26.47	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	52.93	
23 51 16 00-0186	LF		28" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	405.56	40.55
			For 316 Stainless Steel, Add .....	48.68	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	30.42	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	60.85	
23 51 16 00-0187	LF		32" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	453.86	44.98
			For 316 Stainless Steel, Add .....	54.61	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	34.13	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	68.27	
23 51 16 00-0188	LF		36" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	504.88	48.65
			For 316 Stainless Steel, Add .....	61.34	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	38.34	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	76.68	
23 51 16 00-0189	LF		42" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	576.34	55.37
			For 316 Stainless Steel, Add .....	70.05	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	43.78	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	87.56	
23 51 16 00-0190	LF		48" Round Flue/Vent Pipe, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel		
			Outer Jacket .....	674.78	64.11
			For 316 Stainless Steel, Add .....	82.32	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	51.45	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	102.90	
<b>23 51 16 00-0191</b>			<b>90 Degree Elbows (23 51 16 00-0179)</b>		
23 51 16 00-0192	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	547.35	28.01
			For 316 Stainless Steel, Add .....	95.48	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	47.74	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	95.48	
23 51 16 00-0193	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	604.76	31.17
			For 316 Stainless Steel, Add .....	105.37	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	52.69	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	105.37	
23 51 16 00-0194	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	688.08	33.83
			For 316 Stainless Steel, Add .....	120.71	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	60.35	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	120.71	
23 51 16 00-0195	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	777.28	36.87
			For 316 Stainless Steel, Add .....	137.03	
			For 2" Insulated Wall Instead Of 1" Thickness, Add .....	68.52	
			For 3" Insulated Wall Instead Of 1" Thickness, Add .....	137.03	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 51 Breechings, Chimneys, and Stacks**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 51 16 00-0196	EA	14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	900.44		38.65
		<i>For 316 Stainless Steel, Add</i>	160.78		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	80.39		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	160.78		
23 51 16 00-0197	EA	16" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	991.79		40.55
		<i>For 316 Stainless Steel, Add</i>	178.09		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	89.05		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	178.09		
23 51 16 00-0198	EA	18" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,145.54		42.70
		<i>For 316 Stainless Steel, Add</i>	207.77		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	103.89		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	207.77		
23 51 16 00-0199	EA	20" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,331.48		67.53
		<i>For 316 Stainless Steel, Add</i>	232.51		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	116.25		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	232.51		
23 51 16 00-0200	EA	24" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,637.04		76.02
		<i>For 316 Stainless Steel, Add</i>	289.40		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	144.70		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	289.40		
23 51 16 00-0201	EA	28" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	1,983.63		81.09
		<i>For 316 Stainless Steel, Add</i>	356.18		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	178.09		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	356.18		
23 51 16 00-0202	EA	32" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,616.39		86.80
		<i>For 316 Stainless Steel, Add</i>	479.85		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	239.93		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	479.85		
23 51 16 00-0203	EA	36" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	2,974.22		101.36
		<i>For 316 Stainless Steel, Add</i>	544.16		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	272.08		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	544.16		
23 51 16 00-0204	EA	42" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	4,357.61		110.61
		<i>For 316 Stainless Steel, Add</i>	816.24		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	408.12		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	816.24		
23 51 16 00-0205	EA	48" Round Flue/Vent, 90 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	5,436.52		121.64
		<i>For 316 Stainless Steel, Add</i>	1,026.49		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	513.24		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,026.49		
23 51 16 00-0206		<b>45 Degree Elbows</b> <small>(23 51 16 00-0175)</small>			
23 51 16 00-0207	EA	6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	366.82		26.99
		<i>For 316 Stainless Steel, Add</i>	59.86		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	29.93		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	59.86		
23 51 16 00-0208	EA	8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	419.25		31.17
		<i>For 316 Stainless Steel, Add</i>	68.27		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	34.13		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	68.27		
23 51 16 00-0209	EA	10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	465.43		33.83
		<i>For 316 Stainless Steel, Add</i>	76.18		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	38.09		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	76.18		
23 51 16 00-0210	EA	12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	529.94		36.87
		<i>For 316 Stainless Steel, Add</i>	87.56		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	43.78		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	87.56		
23 51 16 00-0211	EA	14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	596.20		38.65
		<i>For 316 Stainless Steel, Add</i>	99.93		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	49.96		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	99.93		
23 51 16 00-0212	EA	16" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	667.76		40.55
		<i>For 316 Stainless Steel, Add</i>	113.28		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	56.64		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	113.28		
23 51 16 00-0213	EA	18" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket	747.31		42.70
		<i>For 316 Stainless Steel, Add</i>	128.13		
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	64.06		
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	128.13		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0214	EA		20" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	901.11	67.53
			For 316 Stainless Steel, Add	146.43	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	73.22	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	146.43	
23 51 16 00-0215	EA		24" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,129.99	76.02
			For 316 Stainless Steel, Add	187.98	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	93.99	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	187.98	
23 51 16 00-0216	EA		28" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,266.32	81.09
			For 316 Stainless Steel, Add	212.72	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	106.36	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	212.72	
23 51 16 00-0217	EA		32" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,639.37	86.80
			For 316 Stainless Steel, Add	284.45	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	142.22	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	284.45	
23 51 16 00-0218	EA		36" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,170.35	101.36
			For 316 Stainless Steel, Add	383.39	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	191.69	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	383.39	
23 51 16 00-0219	EA		42" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,873.53	110.61
			For 316 Stainless Steel, Add	519.43	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	259.71	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	519.43	
23 51 16 00-0220	EA		48" Round Flue/Vent, 45 Degree Elbow, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,828.80	121.64
			For 316 Stainless Steel, Add	704.94	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	352.47	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	704.94	
<b>23 51 16 00-0221</b>			<b>Tees</b> <small>(23 51 16 00-0175)</small>		
23 51 16 00-0222	EA		6" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	398.68	33.83
			For 316 Stainless Steel, Add	69.11	
			For Tee Cap, Add	92.42	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	31.41	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	62.83	
23 51 16 00-0223	EA		8" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	453.26	36.87
			For 316 Stainless Steel, Add	79.45	
			For Tee Cap, Add	104.47	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	36.11	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	72.23	
23 51 16 00-0224	EA		10" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	519.49	38.65
			For 316 Stainless Steel, Add	93.05	
			For Tee Cap, Add	118.38	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	42.30	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	84.59	
23 51 16 00-0225	EA		12" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	596.02	40.55
			For 316 Stainless Steel, Add	108.83	
			For Tee Cap, Add	134.40	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	49.47	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	98.94	
23 51 16 00-0226	EA		14" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	696.37	45.11
			For 316 Stainless Steel, Add	128.42	
			For Tee Cap, Add	156.17	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	58.37	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	116.75	
23 51 16 00-0227	EA		16" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	782.09	50.68
			For 316 Stainless Steel, Add	144.20	
			For Tee Cap, Add	175.41	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	65.55	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	131.09	
23 51 16 00-0228	EA		18" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	911.46	57.90
			For 316 Stainless Steel, Add	168.69	
			For Tee Cap, Add	204.00	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	76.68	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	153.35	
23 51 16 00-0229	EA		20" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,044.58	71.59
			For 316 Stainless Steel, Add	190.46	
			For Tee Cap, Add	235.75	
			For 2" Insulated Wall Instead Of 1" Thickness, Add	86.57	
			For 3" Insulated Wall Instead Of 1" Thickness, Add	173.14	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

23 51 16 00-0230	EA	24" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,329.37	101.36
		<i>For 316 Stainless Steel, Add</i> .....	236.71	
		<i>For Tee Cap, Add</i> .....	303.89	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	107.60	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	215.19	
23 51 16 00-0231	EA	28" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,612.06	110.61
		<i>For 316 Stainless Steel, Add</i> .....	293.85	
		<i>For Tee Cap, Add</i> .....	363.87	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	133.57	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	267.13	
23 51 16 00-0232	EA	32" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,134.44	121.64
		<i>For 316 Stainless Steel, Add</i> .....	402.68	
		<i>For Tee Cap, Add</i> .....	472.50	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	183.04	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	366.07	
23 51 16 00-0233	EA	36" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,378.68	135.20
		<i>For 316 Stainless Steel, Add</i> .....	448.93	
		<i>For Tee Cap, Add</i> .....	526.45	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	204.06	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	408.12	
23 51 16 00-0234	EA	42" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,784.16	202.73
		<i>For 316 Stainless Steel, Add</i> .....	721.01	
		<i>For Tee Cap, Add</i> .....	832.86	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	327.73	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	655.47	
23 51 16 00-0235	EA	48" Round Flue/Vent, Tee, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	4,751.29	243.27
		<i>For 316 Stainless Steel, Add</i> .....	911.47	
		<i>For Tee Cap, Add</i> .....	1,041.49	
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	414.31	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	828.61	

**23 51 16 00-0236 Bellows (23 51 16 00-0175)**

23 51 16 00-0237	EA	6" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	745.26	26.99
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	67.77	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	135.55	
23 51 16 00-0238	EA	8" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	812.53	31.17
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	73.46	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	146.92	
23 51 16 00-0239	EA	10" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	888.43	33.83
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	80.39	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	160.78	
23 51 16 00-0240	EA	12" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	982.58	36.87
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	89.05	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	178.09	
23 51 16 00-0241	EA	14" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,098.31	38.65
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	100.18	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	200.35	
23 51 16 00-0242	EA	16" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,214.40	40.55
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	111.31	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	222.61	
23 51 16 00-0243	EA	18" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,355.78	42.70
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	124.91	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	249.82	
23 51 16 00-0244	EA	20" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,578.82	67.53
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	140.99	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	281.98	
23 51 16 00-0245	EA	24" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,946.24	76.02
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	175.62	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	351.23	
23 51 16 00-0246	EA	28" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,181.53	81.09
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	197.88	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	395.75	
23 51 16 00-0247	EA	32" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,492.85	86.92
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	227.56	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	455.12	
23 51 16 00-0248	EA	36" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,850.57	101.36
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	259.71	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	519.43	
23 51 16 00-0249	EA	42" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	3,615.59	110.61
		<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	333.92	
		<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	667.84	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0250	EA		48" Round Flue/Vent, Bellows, Lined, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	4,385.33	121.64
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> .....	408.12	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i> .....	816.24	
<b>23 51 16 00-0251</b>			<b>Ventilated Roof Thimbles (23 51 16 00-0175)</b>		
23 51 16 00-0252	EA		6" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	498.46	31.17
			<i>For 316 Stainless Steel, Add</i> .....	42.05	
23 51 16 00-0253	EA		8" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	542.30	36.87
			<i>For 316 Stainless Steel, Add</i> .....	45.02	
23 51 16 00-0254	EA		10" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	593.55	40.55
			<i>For 316 Stainless Steel, Add</i> .....	49.22	
23 51 16 00-0255	EA		12" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	642.02	45.11
			<i>For 316 Stainless Steel, Add</i> .....	52.93	
23 51 16 00-0256	EA		14" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	814.33	47.76
			<i>For 316 Stainless Steel, Add</i> .....	69.50	
23 51 16 00-0257	EA		16" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	730.22	50.68
			<i>For 316 Stainless Steel, Add</i> .....	60.35	
23 51 16 00-0258	EA		18" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	785.74	54.10
			<i>For 316 Stainless Steel, Add</i> .....	65.05	
23 51 16 00-0259	EA		20" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	887.60	76.02
			<i>For 316 Stainless Steel, Add</i> .....	69.75	
23 51 16 00-0260	EA		24" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	996.11	86.80
			<i>For 316 Stainless Steel, Add</i> .....	77.91	
23 51 16 00-0261	EA		28" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,136.59	93.51
			<i>For 316 Stainless Steel, Add</i> .....	90.28	
23 51 16 00-0262	EA		32" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,267.37	101.24
			<i>For 316 Stainless Steel, Add</i> .....	101.41	
23 51 16 00-0263	EA		36" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,416.97	121.52
			<i>For 316 Stainless Steel, Add</i> .....	111.31	
23 51 16 00-0264	EA		42" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,809.45	135.07
			<i>For 316 Stainless Steel, Add</i> .....	147.17	
23 51 16 00-0265	EA		48" Round Flue/Vent, Ventilated Roof Thimble, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,234.96	151.93
			<i>For 316 Stainless Steel, Add</i> .....	185.51	
<b>23 51 16 00-0266</b>			<b>Exit Cones (23 51 16 00-0175)</b>		
23 51 16 00-0267	EA		6" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	343.41	17.61
23 51 16 00-0268	EA		8" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	362.41	19.26
23 51 16 00-0269	EA		10" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	389.53	20.27
23 51 16 00-0270	EA		12" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	407.06	21.28
23 51 16 00-0271	EA		14" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	448.05	21.92
23 51 16 00-0272	EA		16" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	489.06	22.42
23 51 16 00-0273	EA		18" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	592.14	23.19
23 51 16 00-0274	EA		20" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	744.30	43.46
23 51 16 00-0275	EA		24" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	933.18	46.75
23 51 16 00-0276	EA		28" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,111.04	48.65
23 51 16 00-0277	EA		32" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,363.46	50.68
23 51 16 00-0278	EA		36" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,548.16	55.37
23 51 16 00-0279	EA		42" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	1,950.49	57.90
23 51 16 00-0280	EA		48" Round Flue/Vent, Exit Cone, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	2,489.50	60.82
<b>23 51 16 00-0281</b>			<b>Vent Top Caps (23 51 16 00-0175)</b>		
23 51 16 00-0282	EA		6" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	375.46	17.61
23 51 16 00-0283	EA		8" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket .....	434.14	19.26

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0284	EA		10" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	503.28	20.27
23 51 16 00-0285	EA		12" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	577.69	21.28
23 51 16 00-0286	EA		14" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	673.09	21.92
23 51 16 00-0287	EA		16" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	763.70	22.55
23 51 16 00-0288	EA		18" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	849.42	23.19
23 51 16 00-0289	EA		20" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,023.68	43.46
23 51 16 00-0290	EA		24" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,217.62	46.75
23 51 16 00-0291	EA		28" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,321.21	48.65
23 51 16 00-0292	EA		32" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,499.42	50.68
23 51 16 00-0293	EA		36" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,745.87	55.25
23 51 16 00-0294	EA		42" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,123.53	57.90
23 51 16 00-0295	EA		48" Round Flue/Vent Top Caps, 316 Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,464.66	60.82
<b>23 51 16 00-0296</b>			<b>Roof Support Assemblies (23 51 16 00-0175)</b>		
23 51 16 00-0297	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	568.26	32.44
			<i>For 316 Stainless Steel, Add</i>	97.45	
23 51 16 00-0298	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	628.36	38.65
			<i>For 316 Stainless Steel, Add</i>	106.36	
23 51 16 00-0299	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	690.35	42.70
			<i>For 316 Stainless Steel, Add</i>	116.75	
23 51 16 00-0300	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	737.54	47.64
			<i>For 316 Stainless Steel, Add</i>	123.67	
23 51 16 00-0301	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	821.75	50.68
			<i>For 316 Stainless Steel, Add</i>	139.01	
23 51 16 00-0302	EA		16" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	872.27	54.10
			<i>For 316 Stainless Steel, Add</i>	147.42	
23 51 16 00-0303	EA		18" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	936.44	58.03
			<i>For 316 Stainless Steel, Add</i>	158.30	
23 51 16 00-0304	EA		20" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,043.71	81.09
			<i>For 316 Stainless Steel, Add</i>	168.20	
23 51 16 00-0305	EA		24" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,173.87	93.64
			<i>For 316 Stainless Steel, Add</i>	187.98	
23 51 16 00-0306	EA		28" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,354.10	101.36
			<i>For 316 Stainless Steel, Add</i>	220.14	
23 51 16 00-0307	EA		32" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,612.08	110.61
			<i>For 316 Stainless Steel, Add</i>	267.13	
23 51 16 00-0308	EA		36" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	1,871.62	135.20
			<i>For 316 Stainless Steel, Add</i>	306.71	
23 51 16 00-0309	EA		42" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	2,779.35	152.05
			<i>For 316 Stainless Steel, Add</i>	479.85	
23 51 16 00-0310	EA		48" Round Flue/Vent, Roof Support Assembly, Stainless Steel/Aluminum Flue/Vent Pipe, Stainless Steel Inner Wall/Aluminum Steel Outer Jacket.....	3,400.31	172.82
			<i>For 316 Stainless Steel, Add</i>	593.63	
<b>23 51 16 00-0311</b>			<b>Round Stainless Steel Double Wall Flue/Vent Pipe And Fittings (23 51 16)</b>		
			Note: With 1" insulation.		
<b>23 51 16 00-0312</b>			<b>Round Stainless Steel Double Wall Flue/Vent Pipe (23 51 16 00-0311)</b>		
			Note: With 1" insulation.		
23 51 16 00-0313	LF		6" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	103.10	13.56
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	6.93	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	13.85	
23 51 16 00-0314	LF		7" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	125.26	14.45
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	8.90	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	17.81	
23 51 16 00-0315	LF		8" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	142.92	15.59
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	10.39	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	20.78	
23 51 16 00-0316	LF		10" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe.....	193.00	16.85
			<i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i>	15.09	
			<i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	30.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0317	LF		12" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	248.94 20.28 40.56	18.50
23 51 16 00-0318	LF		14" Round Flue/Vent Pipe, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	315.52 26.71 53.43	19.38
<b>23 51 16 00-0319</b>			<b>90 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0320	EA		6" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	222.17 15.46 30.92	26.99
23 51 16 00-0321	EA		7" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	245.48 17.31 34.63	28.88
23 51 16 00-0322	EA		8" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	275.84 19.79 39.58	31.17
23 51 16 00-0323	EA		10" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	341.75 25.72 51.45	33.83
23 51 16 00-0324	EA		12" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	406.27 31.41 62.83	36.87
23 51 16 00-0325	EA		14" Round Flue/Vent, 90 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	472.47 37.60 75.19	38.65
<b>23 51 16 00-0326</b>			<b>45 Degree Elbows</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0327	EA		6" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	183.53 11.59 23.19	26.99
23 51 16 00-0328	EA		7" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	202.20 12.99 25.97	28.88
23 51 16 00-0329	EA		8" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	226.38 14.84 29.68	31.17
23 51 16 00-0330	EA		10" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	277.44 19.29 38.59	33.83
23 51 16 00-0331	EA		12" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	327.72 23.56 47.12	36.87
23 51 16 00-0332	EA		14" Round Flue/Vent, 45 Degree Elbow, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	378.54 28.20 56.40	38.65
<b>23 51 16 00-0333</b>			<b>Tees With Tee Caps</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0334	EA		6" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	359.39 29.19 58.37	26.99
23 51 16 00-0335	EA		7" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	453.26 38.09 76.18	28.88
23 51 16 00-0336	EA		8" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	508.30 43.04 86.08	31.17
23 51 16 00-0337	EA		10" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	690.42 60.60 121.20	33.83
23 51 16 00-0338	EA		12" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	945.44 85.34 170.67	36.87
23 51 16 00-0339	EA		14" Round Flue/Vent, Tee, Stainless Steel Flue/Vent Pipe ..... <i>For 2" Insulated Wall Instead Of 1" Thickness, Add</i> <i>For 3" Insulated Wall Instead Of 1" Thickness, Add</i>	1,209.53 111.31 222.61	38.65
<b>23 51 16 00-0340</b>			<b>Joist Shields</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0341	EA		6" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	156.58	26.99
23 51 16 00-0342	EA		7" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	168.82	28.88
23 51 16 00-0343	EA		8" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	196.65	31.17
23 51 16 00-0344	EA		10" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	244.10	33.83
23 51 16 00-0345	EA		12" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	291.23	36.87
23 51 16 00-0346	EA		14" Round Flue/Vent, Joist Shield, Stainless Steel Flue/Vent Pipe .....	343.85	38.65
<b>23 51 16 00-0347</b>			<b>Adjustable Roof Flashing</b> <small>(23 51 16 00-0311)</small>		
23 51 16 00-0348	EA		6" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	185.02	26.99
23 51 16 00-0349	EA		7" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	205.91	28.88
23 51 16 00-0350	EA		8" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	223.84	31.17
23 51 16 00-0351	EA		10" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	271.28	33.83
23 51 16 00-0352	EA		12" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	333.37	36.87
23 51 16 00-0353	EA		14" Round Flue/Vent, Adjustable Roof Flashing, Stainless Steel Flue/Vent Pipe .....	398.21	38.52

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 51 16 00-0354			<b>Vent Top Caps</b> (23 51 16 00-0311)		
23 51 16 00-0355	EA		6" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	166.48	26.99
23 51 16 00-0356	EA		7" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	207.14	28.88
23 51 16 00-0357	EA		8" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	258.48	31.17
23 51 16 00-0358	EA		10" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	408.59	33.83
23 51 16 00-0359	EA		12" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	554.73	36.87
23 51 16 00-0360	EA		14" Round Flue/Vent Top Caps, Stainless Steel Flue/Vent Pipe .....	704.99	38.65
23 51 16 00-0361			<b>Roof Support Assemblies</b> (23 51 16 00-0311)		
23 51 16 00-0362	EA		6" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	244.28	26.99
23 51 16 00-0363	EA		7" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	271.45	28.88
23 51 16 00-0364	EA		8" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	294.33	31.17
23 51 16 00-0365	EA		10" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	368.90	33.83
23 51 16 00-0366	EA		12" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	435.94	36.87
23 51 16 00-0367	EA		14" Round Flue/Vent, Roof Support Assembly, Stainless Steel Flue/Vent Pipe .....	531.86	38.65
23 51 16 00-0368			<b>Polyvinyl Chloride (PVC) Flue/Vent Accessories</b> (23 51 16)		
23 51 16 00-0369			<b>Concentric Polyvinyl Chloride (PVC) Vent Termination</b> (23 51 16 00-0368)		
23 51 16 00-0370	EA		2" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	254.12	51.58
23 51 16 00-0371	EA		3" Concentric Polyvinyl Chloride (PVC) Vent Termination .....	275.70	51.58
23 51 16 00-0372			<b>Polypropylene (PP) Flue/Vent Pipe And Fittings</b> (23 51 16)		
			Note: Centrotherm InnoFlue® Vent System		
23 51 16 00-0373			<b>Polypropylene Flue/Vent Rigid Pipe Sections</b> (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent lengths with dedicated male and female ends.		
23 51 16 00-0374	EA		2" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	47.72	15.67
23 51 16 00-0375	EA		2" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	54.30	16.50
23 51 16 00-0376	EA		2" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	62.24	18.33
23 51 16 00-0377	EA		2" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	77.32	21.57
23 51 16 00-0378	EA		3" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	57.40	17.97
23 51 16 00-0379	EA		3" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	69.36	18.92
23 51 16 00-0380	EA		3" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	85.16	21.02
23 51 16 00-0381	EA		3" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	105.36	24.73
23 51 16 00-0382	EA		4" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	95.04	23.77
23 51 16 00-0383	EA		4" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	112.33	25.01
23 51 16 00-0384	EA		4" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	139.78	27.79
23 51 16 00-0385	EA		4" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	181.20	32.70
23 51 16 00-0386	EA		5" x 12" Polypropylene Flue/Vent Rigid Pipe Section .....	140.97	35.08
23 51 16 00-0387	EA		5" x 24" Polypropylene Flue/Vent Rigid Pipe Section .....	161.30	36.92
23 51 16 00-0388	EA		5" x 36" Polypropylene Flue/Vent Rigid Pipe Section .....	209.94	41.03
23 51 16 00-0389	EA		5" x 72" Polypropylene Flue/Vent Rigid Pipe Section .....	273.04	48.28
23 51 16 00-0390			<b>Polypropylene Flue/Vent Elbows</b> (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0391	EA		2" Polypropylene Flue/Vent 15 Degree Elbow .....	59.00	19.04
23 51 16 00-0392	EA		3" Polypropylene Flue/Vent 15 Degree Elbow .....	69.09	20.04
23 51 16 00-0393	EA		4" Polypropylene Flue/Vent 15 Degree Elbow .....	86.38	20.78
23 51 16 00-0394	EA		5" Polypropylene Flue/Vent 15 Degree Elbow .....	100.37	21.63
23 51 16 00-0395	EA		2" Polypropylene Flue/Vent 30 Degree Elbow .....	59.00	19.04
23 51 16 00-0396	EA		3" Polypropylene Flue/Vent 30 Degree Elbow .....	69.09	20.04
23 51 16 00-0397	EA		4" Polypropylene Flue/Vent 30 Degree Elbow .....	86.38	20.78
23 51 16 00-0398	EA		5" Polypropylene Flue/Vent 30 Degree Elbow .....	100.37	21.63
23 51 16 00-0399	EA		2" Polypropylene Flue/Vent 45 Degree Elbow .....	59.00	19.04
23 51 16 00-0400	EA		3" Polypropylene Flue/Vent 45 Degree Elbow .....	69.09	20.04
23 51 16 00-0401	EA		4" Polypropylene Flue/Vent 45 Degree Elbow .....	86.38	20.78
23 51 16 00-0402	EA		5" Polypropylene Flue/Vent 45 Degree Elbow .....	100.37	21.63
23 51 16 00-0403	EA		2" Polypropylene Flue/Vent 87 Degree Elbow .....	59.00	19.04
23 51 16 00-0404	EA		3" Polypropylene Flue/Vent 87 Degree Elbow .....	69.09	20.04
23 51 16 00-0405	EA		4" Polypropylene Flue/Vent 87 Degree Elbow .....	85.31	20.78
23 51 16 00-0406	EA		5" Polypropylene Flue/Vent 87 Degree Elbow .....	103.01	21.63
23 51 16 00-0407			<b>Polypropylene Flue/Vent Tees</b> (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0408	EA		2" Polypropylene Flue/Vent Tee .....	184.17	28.57
23 51 16 00-0409	EA		3" Polypropylene Flue/Vent Tee .....	231.52	30.08
23 51 16 00-0410	EA		4" Polypropylene Flue/Vent Tee .....	271.78	31.17
23 51 16 00-0411	EA		5" Polypropylene Flue/Vent Tee .....	297.40	32.44
23 51 16 00-0412			<b>Polypropylene Flue/Vent Adaptors</b> (23 51 16 00-0372)		
			Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0413	EA		2" Polypropylene Flue/Vent Adaptor With Gasket .....	69.44	19.04
23 51 16 00-0414	EA		3" Polypropylene Flue/Vent Adaptor With Gasket .....	99.49	20.04
23 51 16 00-0415	EA		4" Polypropylene Flue/Vent Adaptor With Gasket .....	115.82	20.78
23 51 16 00-0416	EA		5" Polypropylene Flue/Vent Adaptor With Gasket .....	157.91	21.63

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 51 16 00-0417</b>			<b>Polypropylene Flue/Vent Increases</b> (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0418	EA		2" to 3" Polypropylene Flue/Vent Centric Increaser.....	76.95	19.55
23 51 16 00-0419	EA		3" to 4" Polypropylene Flue/Vent Centric Increaser.....	84.28	20.41
23 51 16 00-0420	EA		4" to 5" Polypropylene Flue/Vent Centric Increaser.....	151.51	21.20
23 51 16 00-0421	EA		2" to 3" Polypropylene Flue/Vent Eccentric Increaser.....	103.75	19.55
23 51 16 00-0422	EA		3" to 4" Polypropylene Flue/Vent Eccentric Increaser.....	82.09	20.41
23 51 16 00-0423	EA		4" to 5" Polypropylene Flue/Vent Eccentric Increaser.....	208.74	21.20

<b>23 51 16 00-0424</b>			<b>Polypropylene Flue/Vent Reducers</b> (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0425	EA		3" to 2" Polypropylene Flue/Vent Reducer.....	76.95	19.55
23 51 16 00-0426	EA		4" to 3" Polypropylene Flue/Vent Reducer.....	84.28	20.41
23 51 16 00-0427	EA		5" to 4" Polypropylene Flue/Vent Reducer.....	187.19	21.20

<b>23 51 16 00-0428</b>			<b>Polypropylene Flue/Vent Test Ports</b> (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0429	EA		2" Polypropylene Flue/Vent Test Port.....	97.63	28.57
23 51 16 00-0430	EA		3" Polypropylene Flue/Vent Test Port.....	109.50	30.08
23 51 16 00-0431	EA		4" Polypropylene Flue/Vent Test Port.....	167.54	31.17
23 51 16 00-0432	EA		5" Polypropylene Flue/Vent Test Port.....	178.88	32.44

<b>23 51 16 00-0433</b>			<b>Polypropylene Flue/Vent Cascade Components</b> (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0434	EA		4" x 15" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	276.59	31.17
23 51 16 00-0435	EA		4" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	362.21	38.96
23 51 16 00-0436	EA		5" x 12" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	227.53	32.44
23 51 16 00-0437	EA		5" x 42" Polypropylene Flue/Vent Branch Tee With 4" Feeder.....	337.01	40.55
23 51 16 00-0438	EA		3" to 4" Polypropylene Flue/Vent Non-Return Valve.....	352.94	20.41
23 51 16 00-0439	EA		4" to 4" Polypropylene Flue/Vent Non-Return Valve.....	408.59	21.20

<b>23 51 16 00-0440</b>			<b>Polypropylene Flue/Vent Condensate Management</b> (23 51 16 00-0372) Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.		
23 51 16 00-0441	EA		2" Polypropylene Flue/Vent Horizontal Drain Tee.....	133.80	28.57
23 51 16 00-0442	EA		3" Polypropylene Flue/Vent Horizontal Drain Tee.....	161.68	30.08
23 51 16 00-0443	EA		4" Polypropylene Flue/Vent Horizontal Drain Tee.....	185.17	31.17
23 51 16 00-0444	EA		5" Polypropylene Flue/Vent Horizontal Drain Tee.....	211.26	32.44
23 51 16 00-0445	EA		4" Polypropylene Flue/Vent Horizontal Drain Fittings.....	234.12	31.17
23 51 16 00-0446	EA		5" Polypropylene Flue/Vent Horizontal Drain Fittings.....	258.10	32.44
23 51 16 00-0447	EA		2" Polypropylene Flue/Vent Tee Cap.....	77.07	9.53
23 51 16 00-0448	EA		3" Polypropylene Flue/Vent Tee Cap.....	98.91	10.03
23 51 16 00-0449	EA		4" Polypropylene Flue/Vent Tee Cap.....	117.56	10.39
23 51 16 00-0450	EA		5" Polypropylene Flue/Vent Tee Cap.....	153.50	10.81
23 51 16 00-0451	EA		2" Polypropylene Flue/Vent Tee Cap With Drain.....	149.46	28.57
23 51 16 00-0452	EA		3" Polypropylene Flue/Vent Tee Cap With Drain.....	183.39	30.08
23 51 16 00-0453	EA		4" Polypropylene Flue/Vent Tee Cap With Drain.....	212.10	31.17
23 51 16 00-0454	EA		5" Polypropylene Flue/Vent Tee Cap With Drain.....	255.52	32.44

<b>23 51 16 00-0455</b>			<b>Polypropylene Flue/Vent Terminations</b> (23 51 16 00-0372)		
23 51 16 00-0456	EA		2" Polypropylene-UV Black Flue/Vent Chimney Cover.....	194.13	19.04
23 51 16 00-0457	EA		3" Polypropylene-UV Black Flue/Vent Chimney Cover.....	171.29	20.04
23 51 16 00-0458	EA		4" Polypropylene-UV Black Flue/Vent Chimney Cover.....	214.32	20.78
23 51 16 00-0459	EA		3" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	437.63	20.04
23 51 16 00-0460	EA		4" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	467.28	20.78
23 51 16 00-0461	EA		5" Stainless Steel Chimney Cover With Polypropylene-UV Black End Pipe.....	545.45	21.63
23 51 16 00-0462	EA		2 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	114.70	19.04
23 51 16 00-0463	EA		2 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	121.41	19.04
23 51 16 00-0464	EA		2 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	128.12	19.04
23 51 16 00-0465	EA		2 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	134.83	19.04
23 51 16 00-0466	EA		3 1/4" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	123.93	20.04
23 51 16 00-0467	EA		3 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	130.64	20.04
23 51 16 00-0468	EA		3 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	137.35	20.04
23 51 16 00-0469	EA		3 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	144.06	20.04
23 51 16 00-0470	EA		4 1/5" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	139.17	20.78
23 51 16 00-0471	EA		4 1/6" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	145.88	20.78
23 51 16 00-0472	EA		4 1/7" Polypropylene-UV Black Flue/Vent B-Vent Chimney Cover Rain Collar.....	152.58	20.78
23 51 16 00-0473	EA		2" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	121.34	19.04
23 51 16 00-0474	EA		3" Polypropylene-UV Black Flue/Vent Low Profile Wall Termination.....	155.46	20.04
23 51 16 00-0475	EA		2" Polypropylene-UV Black Flue/Vent Termination Tee.....	141.07	28.57
23 51 16 00-0476	EA		3" Polypropylene-UV Black Flue/Vent Termination Tee.....	185.75	30.08
23 51 16 00-0477	EA		4" Polypropylene-UV Black Flue/Vent Termination Tee.....	219.60	31.17
23 51 16 00-0478	EA		5" Polypropylene-UV Black Flue/Vent Termination Tee.....	241.94	32.44
23 51 16 00-0479	EA		2" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	50.22	16.50
23 51 16 00-0480	EA		2" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	60.09	18.33
23 51 16 00-0481	EA		3" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	60.43	18.92
23 51 16 00-0482	EA		3" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	75.50	21.02
23 51 16 00-0483	EA		4" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	91.22	25.01
23 51 16 00-0484	EA		5" x 20" Polypropylene-UV Black Flue/Vent End Pipe.....	125.89	36.92
23 51 16 00-0485	EA		5" x 39" Polypropylene-UV Black Flue/Vent End Pipe.....	152.59	41.03
23 51 16 00-0486	EA		2" x 24" Polypropylene-UV Black Flue/Vent Vent Length.....	55.60	16.50



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 51 Breechings, Chimneys, and Stacks**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 51 16 00-0487	EA	3" x 24" Polypropylene-UV Black Flue/Vent Vent Length .....	71.58	18.92
23 51 16 00-0488	EA	4" x 24" Polypropylene-UV Black Flue/Vent Vent Length .....	117.31	25.01
23 51 16 00-0489	EA	2" Polypropylene-UV Black Flue/Vent 45 Degree Elbow .....	61.14	19.04
23 51 16 00-0490	EA	3" Polypropylene-UV Black Flue/Vent 45 Degree Elbow .....	71.77	20.04
23 51 16 00-0491	EA	4" Polypropylene-UV Black Flue/Vent 45 Degree Elbow .....	89.82	20.78
23 51 16 00-0492	EA	2" Polypropylene-UV Black Flue/Vent 87 Degree Elbow .....	60.13	19.04
23 51 16 00-0493	EA	3" Polypropylene-UV Black Flue/Vent 87 Degree Elbow .....	71.10	20.04
23 51 16 00-0494	EA	4" Polypropylene-UV Black Flue/Vent 87 Degree Elbow .....	88.63	20.78
23 51 16 00-0495	EA	2" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent .....	39.28	9.53
23 51 16 00-0496	EA	3" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent .....	45.79	10.03
23 51 16 00-0497	EA	4" Polypropylene-UV Black Bird Screen For Polypropylene Flue/Vent .....	51.34	10.39
23 51 16 00-0498	EA	3" Stainless Steel Bird Screen For Polypropylene Flue/Vent .....	100.76	10.03
23 51 16 00-0499	EA	5" Stainless Steel Bird Screen For Polypropylene Flue/Vent .....	115.81	10.81

**23 51 16 00-0500 Polypropylene Flue/Vent Accessories (23 51 16 00-0372)**

23 51 16 00-0501	EA	2" Spacer For Polypropylene Flue/Vent .....	20.01	4.77
23 51 16 00-0502	EA	3" Spacer For Polypropylene Flue/Vent .....	19.05	5.02
23 51 16 00-0503	EA	4" Spacer For Polypropylene Flue/Vent .....	19.62	5.20
23 51 16 00-0504	EA	5" Spacer For Polypropylene Flue/Vent .....	31.07	5.41
23 51 16 00-0505	EA	2" Flue Clamp For Polypropylene Flue/Vent .....	37.86	7.15
23 51 16 00-0506	EA	3" Flue Clamp For Polypropylene Flue/Vent .....	44.51	7.51
23 51 16 00-0507	EA	4" Flue Clamp For Polypropylene Flue/Vent .....	51.68	7.79
23 51 16 00-0508	EA	2" Support Clamp For Polypropylene Flue/Vent .....	35.99	7.15
23 51 16 00-0509	EA	4" Support Clamp For Polypropylene Flue/Vent .....	35.89	7.79
23 51 16 00-0510	EA	5" Support Clamp For Polypropylene Flue/Vent .....	43.78	8.11
23 51 16 00-0511	EA	3" Plastic Support Clamp For Polypropylene Flue/Vent .....	27.39	7.51
23 51 16 00-0512	EA	2" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent .....	54.37	19.04
23 51 16 00-0513	EA	3" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent .....	59.99	20.04
23 51 16 00-0514	EA	4" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent .....	64.63	20.78
23 51 16 00-0515	EA	5" Polypropylene-UV Black Wall Plate For Polypropylene Flue/Vent .....	72.24	21.63
23 51 16 00-0516	EA	2" Single Wall EDPM Gasket For Polypropylene Flue/Vent .....	4.31	
23 51 16 00-0517	EA	3" Single Wall EDPM Gasket For Polypropylene Flue/Vent .....	4.82	
23 51 16 00-0518	EA	4" Single Wall EDPM Gasket For Polypropylene Flue/Vent .....	6.52	
23 51 16 00-0519	EA	5" Single Wall EDPM Gasket For Polypropylene Flue/Vent .....	10.77	
23 51 16 00-0520	EA	2" Connector Ring For Polypropylene Flue/Vent .....	16.53	4.77
23 51 16 00-0521	EA	3" Connector Ring For Polypropylene Flue/Vent .....	18.73	5.02
23 51 16 00-0522	EA	4" Connector Ring For Polypropylene Flue/Vent .....	20.17	5.20
23 51 16 00-0523	EA	5" Connector Ring For Polypropylene Flue/Vent .....	22.32	5.41
23 51 16 00-0524	EA	2"/4" Polypropylene Flue/Vent Air Intake, White .....	83.79	9.53
23 51 16 00-0525	EA	3"/5" Polypropylene Flue/Vent Air Intake, White .....	85.88	10.03
23 51 16 00-0526	EA	4"/6" Polypropylene Flue/Vent Air Intake, White .....	63.66	10.39
23 51 16 00-0527	EA	2" Base Support For Polypropylene Flue/Vent .....	72.90	7.15
23 51 16 00-0528	EA	3" Base Support For Polypropylene Flue/Vent .....	75.18	7.51
23 51 16 00-0529	EA	4" Base Support For Polypropylene Flue/Vent .....	101.07	7.79
23 51 16 00-0530	EA	5" Base Support For Polypropylene Flue/Vent .....	171.56	8.11

**23 51 16 00-0531 Polypropylene Flue/Vent Flex Pipe (23 51 16 00-0372)**

23 51 16 00-0532	LF	2", Up To 50', Polypropylene Flue/Vent Flex Pipe .....	13.13	1.68
23 51 16 00-0533	LF	2", > 50', Polypropylene Flue/Vent Flex Pipe .....	11.35	1.68
23 51 16 00-0534	LF	3", Up To 50', Polypropylene Flue/Vent Flex Pipe .....	16.14	1.98
23 51 16 00-0535	LF	3", > 50', Polypropylene Flue/Vent Flex Pipe .....	13.90	1.98
23 51 16 00-0536	LF	4", Up To 50', Polypropylene Flue/Vent Flex Pipe .....	23.31	2.43
23 51 16 00-0537	LF	4", > 50', Polypropylene Flue/Vent Flex Pipe .....	19.86	2.43

**23 51 16 00-0538 Polypropylene Flue/Vent Couplers (23 51 16 00-0372)**

Note: Gasketed rigid single wall polypropylene vent fittings with dedicated male and female ends.

23 51 16 00-0539	EA	2" Polypropylene Flue/Vent Coupler, Single Wall to Flex .....	92.06	19.04
23 51 16 00-0540	EA	2" Polypropylene Flue/Vent Coupler, Flex to Single Wall .....	103.27	19.04
23 51 16 00-0541	EA	3" Polypropylene Flue/Vent Coupler, Flex to Single Wall .....	211.48	20.04
23 51 16 00-0542	EA	4" Polypropylene Flue/Vent Coupler, Flex to Single Wall .....	387.40	20.78
23 51 16 00-0543	EA	2" Polypropylene Flue/Vent Coupler, Flex to Flex .....	106.57	19.04
23 51 16 00-0544	EA	3" Polypropylene Flue/Vent Coupler, Flex to Flex .....	252.41	20.04
23 51 16 00-0545	EA	4" Polypropylene Flue/Vent Coupler, Flex to Flex .....	655.76	20.78

**23 51 16 00-0546 Polypropylene Flue/Vent Flex End Terminations (23 51 16 00-0372)**

23 51 16 00-0547	EA	2" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination .....	121.44	19.04
23 51 16 00-0548	EA	3" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination .....	112.04	20.04
23 51 16 00-0549	EA	4" Polypropylene-UV Black Flue/Vent Flex End Pipe Termination .....	138.80	20.78

**23 51 16 00-0550 Aluminum Flue/Vent Fittings (23 51 16)****23 51 16 00-0551 Aluminum Vent Top Caps (23 51 16 00-0550)**

23 51 16 00-0552	EA	3" Aluminum Vent Cap (Star-Kap® 3-SK) .....	115.99	18.88
23 51 16 00-0553	EA	4" Aluminum Vent Cap (Star-Kap® 4-SK) .....	123.40	18.50
23 51 16 00-0554	EA	5" Aluminum Vent Cap (Star-Kap® 5-SK) .....	133.88	19.38
23 51 16 00-0555	EA	6" Aluminum Vent Cap (Star-Kap® 6-SK) .....	187.56	20.27
23 51 16 00-0556	EA	8" Aluminum Vent Cap (Star-Kap® 8-SK) .....	209.80	22.55
23 51 16 00-0557	EA	10" Aluminum Vent Cap (Star-Kap® 10-SK) .....	603.66	23.82
23 51 16 00-0558	EA	12" Aluminum Vent Cap (Star-Kap® 12-SK) .....	618.56	25.34

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**23 52 Heating Boilers** (23 50)

**23 52 13 Electric Boilers** (23 52)

**23 52 13 00-0001**

**Packaged Electric Steam Boiler** (23 52 13)

Note: Includes burners, standard controls and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

23 52 13 00-0002	EA	12 KW, 42 MBH Electric Steam Boiler With Packaged Standard Controls	8,973.62	835.25
23 52 13 00-0003	EA	24 KW, 84 MBH Electric Steam Boiler With Packaged Standard Controls	9,695.61	974.45
23 52 13 00-0004	EA	36 KW, 126 MBH Electric Steam Boiler With Packaged Standard Controls	10,352.07	1,044.06
23 52 13 00-0005	EA	48 KW, 168 MBH Electric Steam Boiler With Packaged Standard Controls	11,478.00	1,113.65
23 52 13 00-0006	EA	60 KW, 210 MBH Electric Steam Boiler With Packaged Standard Controls	12,578.30	1,183.26
23 52 13 00-0007	EA	80 KW, 280 MBH Electric Steam Boiler With Packaged Standard Controls	14,637.47	1,322.47
23 52 13 00-0008	EA	100 KW, 350 MBH Electric Steam Boiler With Packaged Standard Controls	16,696.77	1,461.68
23 52 13 00-0009	EA	120 KW, 420 MBH Electric Steam Boiler With Packaged Standard Controls	17,424.40	1,531.28
23 52 13 00-0010	EA	140 KW, 490 MBH Electric Steam Boiler With Packaged Standard Controls	18,456.71	1,600.89
23 52 13 00-0011	EA	160 KW, 560 MBH Electric Steam Boiler With Packaged Standard Controls	23,855.39	1,740.09
23 52 13 00-0012	EA	180 KW, 630 MBH Electric Steam Boiler With Packaged Standard Controls	24,838.62	1,809.70
23 52 13 00-0013	EA	200 KW, 700 MBH Electric Steam Boiler With Packaged Standard Controls	26,146.20	1,983.55
23 52 13 00-0014	EA	220 KW, 770 MBH Electric Steam Boiler With Packaged Standard Controls	27,230.60	2,130.49
23 52 13 00-0015	EA	240 KW, 840 MBH Electric Steam Boiler With Packaged Standard Controls	29,341.00	2,277.41
23 52 13 00-0016	EA	260 KW, 910 MBH Electric Steam Boiler With Packaged Standard Controls	31,582.37	2,497.81
23 52 13 00-0017	EA	280 KW, 980 MBH Electric Steam Boiler With Packaged Standard Controls	33,625.72	2,571.28
23 52 13 00-0018	EA	300 KW, 1,050 MBH Electric Steam Boiler With Packaged Standard Controls	35,210.50	2,644.74
23 52 13 00-0019	EA	320 KW, 1,120 MBH Electric Steam Boiler With Packaged Standard Controls	37,650.66	2,718.21
23 52 13 00-0020	EA	360 KW, 1,260 MBH Electric Steam Boiler With Packaged Standard Controls	40,091.56	2,791.67
23 52 13 00-0021	EA	400 KW, 1,400 MBH Electric Steam Boiler With Packaged Standard Controls	42,889.36	2,938.61
23 52 13 00-0022	EA	460 KW, 1,610 MBH Electric Steam Boiler With Packaged Standard Controls	45,790.03	3,085.53
23 52 13 00-0023	EA	500 KW, 1,750 MBH Electric Steam Boiler With Packaged Standard Controls	48,617.22	3,159.00
23 52 13 00-0024	EA	600 KW, 2,100 MBH Electric Steam Boiler With Packaged Standard Controls	53,614.78	3,232.46
23 52 13 00-0025	EA	700 KW, 2,450 MBH Electric Steam Boiler With Packaged Standard Controls	57,738.03	3,379.40
23 52 13 00-0026	EA	756 KW, 2,646 MBH Electric Steam Boiler With Packaged Standard Controls	59,136.93	3,526.32
23 52 13 00-0027	EA	828 KW, 2,898 MBH Electric Steam Boiler With Packaged Standard Controls	64,755.94	3,746.71
23 52 13 00-0028	EA	936 KW, 3,276 MBH Electric Steam Boiler With Packaged Standard Controls	66,950.44	3,967.11
23 52 13 00-0029	EA	1,008 KW, 3,528 MBH Electric Steam Boiler With Packaged Standard Controls	69,291.87	4,187.50
23 52 13 00-0030	EA	1,116 KW, 3,906 MBH Electric Steam Boiler With Packaged Standard Controls	73,377.55	4,407.90
23 52 13 00-0031	EA	1,224 KW, 4,284 MBH Electric Steam Boiler With Packaged Standard Controls	75,212.52	4,554.83
23 52 13 00-0032	EA	1,368 KW, 4,788 MBH Electric Steam Boiler With Packaged Standard Controls	77,610.18	4,848.69
23 52 13 00-0033	EA	1,440 KW, 5,040 MBH Electric Steam Boiler With Packaged Standard Controls	80,261.05	5,142.56
23 52 13 00-0034	EA	1,512 KW, 5,292 MBH Electric Steam Boiler With Packaged Standard Controls	87,413.37	5,436.41
23 52 13 00-0035	EA	1,620 KW, 5,670 MBH Electric Steam Boiler With Packaged Standard Controls	92,086.78	5,730.27

**23 52 13 00-0036**

**Packaged Electric Hot Water Boiler** (23 52 13)

Note: Flush jacketed steel shell. Includes burners, and safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Rated by KW and MBH output.

23 52 13 00-0037	EA	9 KW, 31 MBH, Electric Hot Boiler With Packaged Standard Controls	7,908.90	765.64
23 52 13 00-0038	EA	12 KW, 41 MBH, Electric Hot Boiler With Packaged Standard Controls	8,297.18	835.25
23 52 13 00-0039	EA	18 KW, 61 MBH, Electric Hot Boiler With Packaged Standard Controls	8,685.46	904.85
23 52 13 00-0040	EA	24 KW, 82 MBH, Electric Hot Boiler With Packaged Standard Controls	9,080.67	974.45
23 52 13 00-0041	EA	36 KW, 123 MBH, Electric Hot Boiler With Packaged Standard Controls	9,549.92	1,044.06
23 52 13 00-0042	EA	48 KW, 164 MBH, Electric Hot Boiler With Packaged Standard Controls	9,870.25	1,113.65
23 52 13 00-0043	EA	60 KW, 205 MBH Electric Hot Boiler With Packaged Standard Controls	10,258.53	1,183.26
23 52 13 00-0044	EA	72 KW, 246 MBH Electric Hot Boiler With Packaged Standard Controls	10,840.95	1,252.86
23 52 13 00-0045	EA	84 KW, 287 MBH Electric Hot Boiler With Packaged Standard Controls	11,414.37	1,322.47
23 52 13 00-0046	EA	90 KW, 307 MBH Electric Hot Boiler With Packaged Standard Controls	11,724.99	1,392.07
23 52 13 00-0047	EA	105 KW, 358 MBH Electric Hot Boiler With Packaged Standard Controls	12,611.15	1,461.68
23 52 13 00-0048	EA	120 KW, 409 MBH Electric Hot Boiler With Packaged Standard Controls	13,467.78	1,531.28
23 52 13 00-0049	EA	135 KW, 461 MBH Electric Hot Boiler With Packaged Standard Controls	15,035.26	1,600.89
23 52 13 00-0050	EA	150 KW, 512 MBH Electric Hot Boiler With Packaged Standard Controls	16,108.86	1,670.49
23 52 13 00-0051	EA	165 KW, 563 MBH Electric Hot Boiler With Packaged Standard Controls	16,974.01	1,740.09
23 52 13 00-0052	EA	180 KW, 614 MBH Electric Hot Boiler With Packaged Standard Controls	18,324.94	1,809.70
23 52 13 00-0053	EA	195 KW, 665 MBH Electric Hot Boiler With Packaged Standard Controls	20,002.21	1,983.55
23 52 13 00-0054	EA	225 KW, 768 MBH Electric Hot Boiler With Packaged Standard Controls	21,430.46	2,130.49
23 52 13 00-0055	EA	240 KW, 819 MBH Electric Hot Boiler With Packaged Standard Controls	23,015.36	2,277.41
23 52 13 00-0056	EA	270 KW, 921 MBH Electric Hot Boiler With Packaged Standard Controls	24,590.54	2,497.81
23 52 13 00-0057	EA	300 KW, 1,024 MBH Electric Hot Boiler With Packaged Standard Controls	26,175.43	2,644.74
23 52 13 00-0058	EA	330 KW, 1,126 MBH Electric Hot Boiler With Packaged Standard Controls	27,708.92	2,791.67
23 52 13 00-0059	EA	360 KW, 1,228 MBH Electric Hot Boiler With Packaged Standard Controls	29,977.07	2,865.13
23 52 13 00-0060	EA	390 KW, 1,331 MBH Electric Hot Boiler With Packaged Standard Controls	31,912.74	2,938.61
23 52 13 00-0061	EA	420 KW, 1,433 MBH Electric Hot Boiler With Packaged Standard Controls	33,770.75	3,085.53
23 52 13 00-0062	EA	450 KW, 1,535 MBH Electric Hot Boiler With Packaged Standard Controls	35,701.62	3,085.53
23 52 13 00-0063	EA	504 KW, 1,720 MBH Electric Hot Boiler With Packaged Standard Controls	39,030.22	3,159.00
23 52 13 00-0064	EA	612 KW, 2,088 MBH Electric Hot Boiler With Packaged Standard Controls	40,783.40	3,232.46
23 52 13 00-0065	EA	684 KW, 2,334 MBH Electric Hot Boiler With Packaged Standard Controls	43,108.01	3,379.40
23 52 13 00-0066	EA	720 KW, 2,457 MBH Electric Hot Boiler With Packaged Standard Controls	44,759.54	3,452.86
23 52 13 00-0067	EA	750 KW, 2,559 MBH Electric Hot Boiler With Packaged Standard Controls	46,418.54	3,526.32
23 52 13 00-0068	EA	810 KW, 2,764 MBH Electric Hot Boiler With Packaged Standard Controls	47,706.61	3,746.71
23 52 13 00-0069	EA	900 KW, 3,071 MBH Electric Hot Boiler With Packaged Standard Controls	49,982.27	3,967.11
23 52 13 00-0070	EA	1,020 KW, 3,480 MBH Electric Hot Boiler With Packaged Standard Controls	57,846.03	4,187.50
23 52 13 00-0071	EA	1,110 KW, 3,787 MBH Electric Hot Boiler With Packaged Standard Controls	63,365.23	4,407.90
23 52 13 00-0072	EA	1,200 KW, 4,094 MBH Electric Hot Boiler With Packaged Standard Controls	65,699.32	4,554.83
23 52 13 00-0073	EA	1,350 KW, 4,606 MBH Electric Hot Boiler With Packaged Standard Controls	68,346.46	4,848.69
23 52 13 00-0074	EA	1,440 KW, 4,913 MBH Electric Hot Boiler With Packaged Standard Controls	70,993.61	5,142.56

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 52 13 00-0075	EA	1,560 KW, 5,323 MBH Electric Hot Boiler With Packaged Standard Controls	78,423.44	5,436.41
23 52 13 00-0076	EA	1,680 KW, 5,732 MBH Electric Hot Boiler With Packaged Standard Controls	83,282.23	5,730.27
23 52 13 00-0077	EA	1,740 KW, 5,937 MBH Electric Hot Boiler With Packaged Standard Controls	85,346.96	5,877.20
23 52 13 00-0078	EA	1,800 KW, 6,142 MBH Electric Hot Boiler With Packaged Standard Controls	87,411.68	6,024.13
23 52 13 00-0079	EA	1,980 KW, 6,756 MBH Electric Hot Boiler With Packaged Standard Controls	87,999.41	6,244.53
23 52 13 00-0080	EA	2,100 KW, 7,165 MBH Electric Hot Boiler With Packaged Standard Controls	94,364.11	6,391.45
23 52 13 00-0081	EA	2,220 KW, 7,575 MBH Electric Hot Boiler With Packaged Standard Controls	98,640.49	6,611.85
23 52 13 00-0082	EA	2,600 KW, 8,871 MBH Electric Hot Boiler With Packaged Standard Controls	105,934.00	7,052.64
23 52 13 00-0083	EA	2,960 KW, 10,100 MBH Electric Hot Boiler With Packaged Standard Controls	114,452.80	7,787.29
23 52 13 00-0084	EA	3,240 KW, 11,055 MBH Electric Hot Boiler With Packaged Standard Controls	124,388.39	8,668.87
23 52 13 00-0085	EA	3,360 KW, 11,464 MBH Electric Hot Boiler With Packaged Standard Controls	131,681.89	9,550.45

**23 52 16 Condensing Boilers (23 52)****23 52 16 13 Stainless-Steel Condensing Boilers (23 52 16 13)**

<b>23 52 16 13-0001 Hamilton Evo Series Stainless Steel Condensing Boilers (23 52 16 13)</b>				
Note: Includes circulating pump, mounting rack, disconnect panel, plumbing and gas manifold, manual reset high limit and LWCO (Cal Code).				
23 52 16 13-0002	EA	75 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW79)	12,835.89	556.83
23 52 16 13-0003	EA	127 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW129)	13,669.74	741.69
23 52 16 13-0004	EA	168 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW179)	14,605.70	835.11
23 52 16 13-0005	EA	187 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW199.1)	15,480.44	881.60
23 52 16 13-0006	EA	281 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW299)	20,341.62	1,020.81
23 52 16 13-0007	EA	374 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW399)	23,501.73	1,113.52
23 52 16 13-0008	EA	589 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW599)	31,617.86	1,299.08
23 52 16 13-0009	EA	785 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW798)	43,747.66	1,484.79
Note: Includes vent manifold.				
23 52 16 13-0010	EA	980 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW998)	53,377.17	1,624.00
Note: Includes vent manifold.				
23 52 16 13-0011	EA	1,425 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1499)	76,782.03	1,902.27
23 52 16 13-0012	EA	1,900 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Hamilton Evo HW1999)	84,579.03	2,041.47
<b>23 52 16 13-0013 Buderus SB615 Stainless Steel Condensing Boilers (23 52 16 13)</b>				
Note: Includes Riello burners. Capacity given is IBR rating.				
23 52 16 13-0014	EA	484 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/145)	39,621.27	1,206.37
23 52 16 13-0015	EA	612 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/185)	41,547.51	1,299.08
23 52 16 13-0016	EA	791 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/240)	46,377.93	1,484.79
23 52 16 13-0017	EA	1,022 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/310)	50,230.41	1,670.35
23 52 16 13-0018	EA	1,317 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/400)	55,774.60	1,809.55
23 52 16 13-0019	EA	1,459 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/510)	63,677.82	1,902.27
23 52 16 13-0020	EA	2,104 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB615/640)	76,128.10	2,041.47
<b>23 52 16 13-0021 Buderus SB735 Stainless Steel Condensing Boilers (23 52 16 13)</b>				
Note: Includes Riello burners.				
23 52 16 13-0022	EA	2,650 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/790)	79,280.77	2,227.04
23 52 16 13-0023	EA	3,251 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/970)	91,658.99	2,319.89
23 52 16 13-0024	EA	4,079 MBH Water, Gas Fired, Stainless Steel Condensing Boiler (Buderus SB735/1200)	106,088.19	2,412.74
<b>23 52 16 13-0025 AERCO Benchmark Stainless-Steel Condensing Boilers (23 52 16 13)</b>				
23 52 16 13-0026	EA	1,500 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK1.5LN)	51,036.66	1,902.27
Note: Includes gas PRV and pump delay relay.				
23 52 16 13-0027	EA	2,000 MBH Water, 120 Volt, 1 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK2.0LN)	60,443.75	2,041.47
Note: Includes gas PRV and pump delay relay.				
23 52 16 13-0028	EA	3,000 MBH Water, 220 Volt, 1 Phase, 230 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	86,539.04	2,273.54
Note: Includes gas PRV and pump delay relay.				
23 52 16 13-0029	EA	3,000 MBH Water, 480 Volt, 3 Phase, Gas Fired, Stainless Steel Condensing Boiler (AERCO BMK3000)	92,122.22	2,273.54
Note: Includes gas PRV and pump delay relay.				
<b>23 52 16 13-0030 Laars Neotherm Stainless Steel Condensing Boiler (23 52 16 13)</b>				
Note: Compliant with SCAQMD. Rated by gross rated input.				
23 52 16 13-0031	EA	80 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH080)	8,770.65	603.18
23 52 16 13-0032	EA	105 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH105)	10,016.31	696.04
23 52 16 13-0033	EA	150 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH150)	11,255.58	835.11
23 52 16 13-0034	EA	210 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH210)	12,533.92	927.96
23 52 16 13-0035	EA	285 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH285)	15,681.55	1,020.81
23 52 16 13-0036	EA	399 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH399)	20,356.87	1,113.52
23 52 16 13-0037	EA	500 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH500)	24,378.79	1,206.37
23 52 16 13-0038	EA	600 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH600)	27,039.43	1,299.08
23 52 16 13-0039	EA	750 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH750)	29,359.75	1,391.93
23 52 16 13-0040	EA	850 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH850)	31,958.48	1,577.50
23 52 16 13-0041	EA	1,000 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1000)	45,138.31	1,670.35
23 52 16 13-0042	EA	1,700 MBH, Gas Fired, Stainless Steel, Condensing Boiler (Laars Neotherm NTH1700)	59,846.42	1,948.76
<b>23 52 16 13-0043 Lochinvar Knight Stainless Steel Condensing Boilers (23 52 16 13)</b>				
Note: Rated by gross rated output.				
23 52 16 13-0044	EA	184 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KBN211)	12,157.68	835.11
23 52 16 13-0045	EA	264 MBH 95% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight KHB285N)	15,633.96	927.96

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 52 16 13-0046**

**Lochinvar Knight XL Stainless Steel Condensing Boilers** (23 52 16 13)

Note: Rated by gross rated output.

23 52 16 13-0047	EA		387 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0400N).....	17,763.47	1,067.16
23 52 16 13-0048	EA		485 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0500N).....	22,007.57	1,113.52
23 52 16 13-0049	EA		631 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0650N).....	26,906.76	1,206.37
23 52 16 13-0050	EA		776 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX0800N).....	32,142.47	1,252.72
23 52 16 13-0051	EA		969 MBH 97% Efficient, Gas Fired, Stainless Steel Heat Exchanger, Condensing Boiler (Lochinvar Knight XL KBX1000N).....	39,186.40	1,345.58

**23 52 16 13-0052**

**Lochinvar Crest Stainless Steel Condensing Boilers** (23 52 16 13)

Note: Rated by gross rated output.

23 52 16 13-0053	EA		1,203 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1251).....	49,586.15	1,577.21
23 52 16 13-0054	EA		1,443 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1501).....	51,293.48	1,809.55
23 52 16 13-0055	EA		1,684 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN1751).....	56,195.13	1,925.24
23 52 16 13-0056	EA		1,923 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2001).....	61,096.78	2,041.47
23 52 16 13-0057	EA		2,400 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN2501).....	71,521.31	2,134.33
23 52 16 13-0058	EA		2,883 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3001).....	79,154.83	2,227.04
23 52 16 13-0059	EA		3,364 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN3501).....	97,000.47	2,319.89
23 52 16 13-0060	EA		3,843 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN4001).....	107,084.42	2,412.60
23 52 16 13-0061	EA		4,804 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Lochinvar Crest FBN5001).....	131,103.88	2,505.31

**23 52 16 13-0062**

**Patterson Kelley Stainless Steel Condensing Boilers** (23 52 16 13)

**23 52 16 13-0063**

**Patterson Kelley Stainless Steel Condensing Boilers, SOLIS® Series** (23 52 16 13-0062)

23 52 16 13-0064	EA		1,500 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-1500).....	48,551.74	1,902.27
23 52 16 13-0065	EA		3,000 MBH 96% Efficient, Gas Fired, Stainless Steel Firetube, Condensing Boiler (Patterson-Kelley SOLIS® SL-3000).....	74,273.90	2,273.54

**23 52 16 13-0066**

**Patterson Kelley Stainless Steel Condensing Boilers, SONIC® Series** (23 52 16 13-0062)

23 52 16 13-0067	EA		650 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-650 SCD-650).....	25,508.15	1,345.58
23 52 16 13-0068	EA		1,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-1000 SCD-1000).....	30,698.40	1,670.35
23 52 16 13-0069	EA		2,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-2000).....	51,616.50	2,041.47
23 52 16 13-0070	EA		4,000 MBH 97% Efficient, Gas Fired, Dual Fuel, Stainless Steel Condensing Boiler (Patterson-Kelley SONIC® SC-4000).....	88,025.18	2,412.74

**23 52 16 13-0071**

**Patterson Kelley Stainless Steel Condensing Boilers, STORM® Series** (23 52 16 13-0062)

23 52 16 13-0072	EA		1,250 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST1250).....	37,251.49	1,763.06
23 52 16 13-0073	EA		2,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST2000).....	60,832.41	2,041.47
23 52 16 13-0074	EA		4,000 MBH 97% Efficient, Gas Fired, Stainless Steel Condensing Boiler (Patterson-Kelley STORM® ST4000).....	89,986.01	2,412.74

**23 52 16 16**

**Aluminum Condensing Boilers** (23 52 16)

**23 52 16 16-0001**

**Weil McLain Aluminum Condensing Boilers** (23 52 16 16)

23 52 16 16-0002	EA		80 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 80).....	9,058.70	603.18
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0003	EA		105 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 105).....	9,997.11	696.04
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0004	EA		155 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 155).....	11,294.74	835.11
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0005	EA		230 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 230).....	12,673.14	927.96
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		
23 52 16 16-0006	EA		310 MBH Water, Gas Fired, Condensing Boiler (Weil McLain Ultra 310).....	16,390.77	1,067.16
			Note: Aluminum block with stainless steel burner. Includes boiler inline circulating pump.		

**23 52 16 16-0007**

**Patterson Kelley Mach Series Aluminum Condensing Boilers** (23 52 16 16)

Note: Rated by gross rated output.

23 52 16 16-0008	EA		300 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach CM300).....	18,946.87	1,020.81
23 52 16 16-0009	EA		450 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C450).....	21,287.78	1,160.01
23 52 16 16-0010	EA		750 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C750).....	24,213.33	1,391.93
23 52 16 16-0011	EA		900 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C900).....	35,495.43	1,577.50
23 52 16 16-0012	EA		1,050 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1050).....	37,096.96	1,670.35
23 52 16 16-0013	EA		1,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C1500).....	57,018.45	1,902.27
23 52 16 16-0014	EA		2,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2000).....	61,729.24	2,041.47
23 52 16 16-0015	EA		2,500 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C2500).....	81,892.78	2,227.04
23 52 16 16-0016	EA		3,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C3000).....	94,899.02	2,273.54
23 52 16 16-0017	EA		4,000 MBH Water, Gas Fired, Aluminum Condensing Boiler (Patterson Kelley Mach C4000).....	107,888.74	2,412.74



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
23 52 16 16-0018		<b>Buderus GB142 Wall Hung Aluminum Condensing Boilers</b> (23 52 16 16)			
		Note: Includes standard controls.			
23 52 16 16-0019	EA	75 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/24) .....	5,807.13		556.83
		Note: Includes an aluminum heat exchanger and three speed circulating pump.			
23 52 16 16-0020	EA	95 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/30) .....	6,747.48		649.54
		Note: Includes an aluminum heat exchanger and three speed circulating pump.			
23 52 16 16-0021	EA	143 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/45) .....	7,824.87		788.75
		Note: Includes an aluminum heat exchanger and three speed circulating pump.			
23 52 16 16-0022	EA	193 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB142/60) .....	8,585.98		881.60
		Note: Includes an aluminum heat exchanger and three speed circulating pump.			
23 52 16 16-0023	EA	Optional Vertical Or Horizontal 3" Concentric Termination Kit For GB142 (Buderus 60L46) .....	399.99		139.21
23 52 16 16-0024	EA	Optional Stainless Steel Concentric Hood For GB142 (Buderus SJT3) .....	501.06		139.21
23 52 16 16-0025	EA	Optional GB Floor Stand For GB142 (Buderus 7098265) .....	987.35		139.21
23 52 16 16-0026		<b>Buderus GB162 Wall Hung Aluminum Condensing Boilers</b> (23 52 16 16)			
		Note: Includes standard controls.			
23 52 16 16-0027	EA	290 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/80) .....	9,733.16		1,020.81
		Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.			
23 52 16 16-0028	EA	333 MBH Water, Gas Fired, Wall Hung Aluminum Condensing Boiler (Buderus GB162/100) .....	11,789.20		1,067.16
		Note: Includes an aluminum heat exchanger, connection pump module, low loss header, outdoor reset module, outdoor temperature sensor, and 1-1/2" unions.			
23 52 16 16-0029	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/80-TL2) .....	21,846.78		1,252.72
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0030	EA	580 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/80-TR2) .....	20,509.51		1,252.72
		Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0031	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Two Boilers) (Buderus GB162/100-TL2) .....	25,958.87		1,345.58
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0032	EA	666 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Two Boilers) (Buderus GB162/100-TR2) .....	24,621.59		1,345.58
		Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0033	EA	870 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/80-TL3) .....	30,195.41		1,577.50
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0034	EA	999 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Three Boilers) (Buderus GB162/100-TL3) .....	36,224.35		1,670.35
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0035	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/80-TL4) .....	37,286.41		1,763.06
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0036	EA	1,160 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/80-TR4) .....	37,822.00		1,763.06
		Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0037	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler In Line Cascade Package (Four Boilers) (Buderus GB162/100-TL4) .....	45,092.98		1,809.55
		Note: Includes an aluminum heat exchangers, connection pump module, inline cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0038	EA	1,332 MBH Water, Gas Fired, Frame Mounted Aluminum Condensing Boiler Back To Back Cascade Package (Four Boilers) (Buderus GB162/100-TR4) .....	45,628.56		1,809.55
		Note: Includes an aluminum heat exchangers, connection pump module, back to back cascade package (stand), RC35 controller, outdoor temperature sensor, MCM10 intelligent sequencing module, WM10 low loss header module and insulation package.			
23 52 16 16-0039	EA	EMS Control Module For Condensing Boiler (Buderus RC35) .....	791.07		139.21
23 52 16 16-0040		<b>Buderus GB312 Aluminum Condensing Boilers</b> (23 52 16 16)			
		Note: Includes standard controls.			
23 52 16 16-0041	EA	305 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/90) .....	13,434.39		1,020.81
		Note: Includes an aluminum heat exchanger.			
23 52 16 16-0042	EA	409 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/120) .....	15,577.28		1,113.52
		Note: Includes an aluminum heat exchanger.			
23 52 16 16-0043	EA	544 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/160) .....	19,325.07		1,229.48
		Note: Includes an aluminum heat exchanger.			
23 52 16 16-0044	EA	676 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/200) .....	22,136.16		1,345.58
		Note: Includes an aluminum heat exchanger.			
23 52 16 16-0045	EA	810 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/240) .....	26,336.35		1,484.79
		Note: Includes an aluminum heat exchanger.			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 16 16-0046	EA		944 MBH Water, Gas Fired, Aluminum Condensing Boiler (Buderus GB312/280).....	29,063.10	1,624.00
Note: Includes an aluminum heat exchanger.					
23 52 16 16-0047	EA		Optional CSD-1 Kit Consisting Of High And Low Gas Pressure Switches For GB312 (Buderus 7747019985).....	523.70	69.60
23 52 16 16-0048	EA		Optional L4006E1125 Manual Reset Aquastat For GB312 (Buderus L4006E1125) .....	300.33	69.60
23 52 16 16-0049	EA		Optional Hydrolevel 550 low Water Cut-Off For GB312 (Buderus 550) .....	413.11	69.60
23 52 16 16-0050	EA		Optional Condensate Neutralization Tank For GB312 (Buderus 63035899) .....	832.03	69.60

**23 52 16 19 Copper Water-Tube Condensing Boilers (23 52 16)**

**23 52 16 19-0001 Laars Rheos+ Copper Fin Tube Condensing Boilers (23 52 16 19)**

23 52 16 19-0002	EA		1,200 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	46,663.78	1,763.06
23 52 16 19-0003	EA		1,600 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	52,590.77	1,948.76
23 52 16 19-0004	EA		2,000 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	57,494.23	2,041.47
23 52 16 19-0005	EA		2,400 MBH Water, Gas Fired, Copper Fin Tube Condensing Boiler (Laars Rheos+).....	62,002.85	2,134.33

**23 52 16 23 Cast Iron Condensing Boilers (23 52 16)**

**23 52 16 23-0001 Hydrotherm KN Cast Iron Condensing Boilers (23 52 16 23)**

Note: Rated by gross rated output.					
23 52 16 23-0002	EA		199 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-2).....	16,583.77	881.60
23 52 16 23-0003	EA		399 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-4).....	24,167.23	1,113.52
23 52 16 23-0004	EA		600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-6).....	39,408.01	1,299.08
23 52 16 23-0005	EA		1,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-10).....	51,706.16	1,670.35
23 52 16 23-0006	EA		1,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-16).....	68,758.54	1,948.76
23 52 16 23-0007	EA		1,999 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-20).....	74,951.60	2,041.47
23 52 16 23-0008	EA		2,600 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-26).....	95,166.09	2,227.04
23 52 16 23-0009	EA		3,000 MBH Water, Gas Fired, Cast Iron Condensing Boiler (Hydrotherm KN-30).....	103,921.75	2,273.54

**23 52 23 Cast-Iron Boilers (23 52)**

**23 52 23 00-0001 Weil-McLain Model 80 Cast Iron Boiler (23 52 23)**

Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.

**23 52 23 00-0002 Gas Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0003	EA		209 MBH Steam, 242 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 380).....	20,254.86	4,352.62
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0004	EA		297 MBH Steam, 344 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 480).....	21,992.81	4,642.80
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0005	EA		386 MBH Steam, 448 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 580).....	23,882.32	4,932.97
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0006	EA		476 MBH Steam, 551 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 680).....	25,648.98	5,223.15
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0007	EA		565 MBH Steam, 655 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 780).....	27,290.75	5,513.33
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0008	EA		654 MBH Steam, 758 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 880).....	29,488.46	5,803.49
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0009	EA		743 MBH Steam, 862 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 980).....	31,217.54	6,093.67
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0010	EA		833 MBH Steam, 965 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1080).....	32,618.28	6,383.85
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0011	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1180).....	34,014.26	6,674.02
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0012	EA		1,018 MBH Steam, 1,172 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1280).....	35,605.31	6,964.20
Note: Includes field assembly of individual sections and testing.					

**23 52 23 00-0013 Gas Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**

23 52 23 00-0014	EA		209 MBH Steam, 242 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 380).....	12,740.84	587.72
Note: Fire tested factory assembled package unit.					
23 52 23 00-0015	EA		297 MBH Steam, 344 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 480).....	14,107.79	587.72
Note: Fire tested factory assembled package unit.					
23 52 23 00-0016	EA		386 MBH Steam, 448 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 580).....	16,216.55	734.65
Note: Fire tested factory assembled package unit.					
23 52 23 00-0017	EA		476 MBH Steam, 551 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 680).....	17,610.36	734.65
Note: Fire tested factory assembled package unit.					
23 52 23 00-0018	EA		565 MBH Steam, 655 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 780).....	19,471.73	881.58
Note: Fire tested factory assembled package unit.					
23 52 23 00-0019	EA		654 MBH Steam, 758 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 880).....	21,315.06	881.58
Note: Fire tested factory assembled package unit.					
23 52 23 00-0020	EA		743 MBH Steam, 862 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 980).....	23,261.26	1,028.51
Note: Fire tested factory assembled package unit.					
23 52 23 00-0021	EA		833 MBH Steam, 965 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1080).....	24,879.50	1,175.44
Note: Fire tested factory assembled package unit.					
23 52 23 00-0022	EA		922 MBH Steam, 1,069 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1180).....	25,907.18	1,175.44
Note: Fire tested factory assembled package unit.					
23 52 23 00-0023	EA		1018 MBH Steam, 1172 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1280).....	27,713.42	1,322.37
Note: Fire tested factory assembled package unit.					

**23 52 23 00-0024 Gas/Oil Fired Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)**

Note: Field assembled boilers can only be used in situations where package units cannot be installed.

23 52 23 00-0025	EA		209 MBH Steam, 242 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 380) .....	21,053.54	4,352.62
Note: Includes field assembly of individual sections and testing.					

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0026	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	22,934.27		4,642.80
23 52 23 00-0027	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	24,737.55		4,932.97
23 52 23 00-0028	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	26,736.04		5,223.15
23 52 23 00-0029	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	28,407.49		5,513.33
23 52 23 00-0030	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	30,786.15		5,803.49
23 52 23 00-0031	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	32,331.46		6,093.67
23 52 23 00-0032	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	33,838.22		6,383.85
23 52 23 00-0033	EA	922 MBH Steam, 1069 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	35,235.61		6,674.02
23 52 23 00-0034	EA	1,018 MBH Steam, 1172 MBH Water Gas/Oil Fired Cast Iron Boiler ..... Note: Weil-McLain Model 80. Includes field assembly of individual sections and testing.	36,864.83		6,964.20
<b>23 52 23 00-0035</b>		<b>Gas/Oil Fired Package Weil-McLain Model 80 Cast Iron Boiler (23 52 23 00-0001)</b>			
23 52 23 00-0036	EA	209 MBH Steam, 242 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 380)..... Note: Fire tested factory assembled package cast iron unit.	13,539.52		587.72
23 52 23 00-0037	EA	297 MBH Steam, 344 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 480)..... Note: Fire tested factory assembled package cast iron unit.	15,049.25		587.72
23 52 23 00-0038	EA	386 MBH Steam, 448 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 580)..... Note: Fire tested factory assembled package cast iron unit.	17,071.78		734.65
23 52 23 00-0039	EA	476 MBH Steam, 551 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 680)..... Note: Fire tested factory assembled package cast iron unit.	18,697.42		734.65
23 52 23 00-0040	EA	565 MBH Steam, 655 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 780)..... Note: Fire tested factory assembled package cast iron unit.	20,588.47		881.58
23 52 23 00-0041	EA	654 MBH Steam, 758 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 880)..... Note: Fire tested factory assembled package cast iron unit.	22,612.75		881.58
23 52 23 00-0042	EA	743 MBH Steam, 862 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 980)..... Note: Fire tested factory assembled package cast iron unit.	24,375.18		1,028.51
23 52 23 00-0043	EA	833 MBH Steam, 965 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1080)..... Note: Fire tested factory assembled package cast iron unit.	26,099.43		1,175.44
23 52 23 00-0044	EA	922 MBH Steam, 1,069 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1180)..... Note: Fire tested factory assembled package cast iron unit.	27,128.53		1,175.44
23 52 23 00-0045	EA	1,018 MBH Steam, 1,172 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1280)..... Note: Fire tested factory assembled package cast iron unit.	28,972.93		1,322.37
<b>23 52 23 00-0046</b>		<b>Weil-McLain Model 88 Cast Iron Boiler (23 52 23)</b> Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.			
<b>23 52 23 00-0047</b>		<b>Gas Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)</b> Note: Field assembled boilers can only be used in situations where package units cannot be installed.			
23 52 23 00-0048	EA	629 MBH Steam, 730 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 488)..... Note: Includes field assembly of individual sections and testing.	32,023.09		6,528.93
23 52 23 00-0049	EA	845 MBH Steam, 979 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 588)..... Note: Includes field assembly of individual sections and testing.	35,123.85		6,927.93
23 52 23 00-0050	EA	1072 MBH Steam, 1229 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 688)..... Note: Includes field assembly of individual sections and testing.	38,917.40		7,326.92
23 52 23 00-0051	EA	1,311 MBH Steam, 1,478 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 788)..... Note: Includes field assembly of individual sections and testing.	42,281.97		7,725.91
23 52 23 00-0052	EA	1,543 MBH Steam, 1,728 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 888)..... Note: Includes field assembly of individual sections and testing.	45,232.09		8,124.90
23 52 23 00-0053	EA	1,766 MBH Steam, 1,977 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 988)..... Note: Includes field assembly of individual sections and testing.	49,423.10		8,523.89
23 52 23 00-0054	EA	1,988 MBH Steam, 2,227 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1088)..... Note: Includes field assembly of individual sections and testing.	52,398.96		8,922.88
23 52 23 00-0055	EA	2,211 MBH Steam, 2,477 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1188)..... Note: Includes field assembly of individual sections and testing.	55,053.43		9,321.87
23 52 23 00-0056	EA	2,434 MBH Steam, 2,726 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1288)..... Note: Includes field assembly of individual sections and testing.	58,534.33		9,720.86
23 52 23 00-0057	EA	2,657 MBH Steam, 2,976 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1388)..... Note: Includes field assembly of individual sections and testing.	61,370.78		10,119.85
23 52 23 00-0058	EA	2,880 MBH Steam, 3,225 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1488)..... Note: Includes field assembly of individual sections and testing.	66,442.69		10,518.84
23 52 23 00-0059	EA	3,102 MBH Steam, 3,475 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1588)..... Note: Includes field assembly of individual sections and testing.	69,150.70		10,917.83
23 52 23 00-0060	EA	3,325 MBH Steam, 3,724 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1688)..... Note: Includes field assembly of individual sections and testing.	72,011.26		11,316.82
23 52 23 00-0061	EA	3,548 MBH Steam, 3,974 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1788)..... Note: Includes field assembly of individual sections and testing.	75,177.69		11,715.81
23 52 23 00-0062	EA	3,771 MBH Steam, 4,223 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain 1888)..... Note: Includes field assembly of individual sections and testing.	77,788.63		12,114.80
<b>23 52 23 00-0063</b>		<b>Gas Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)</b>			
23 52 23 00-0064	EA	629 MBH Steam, 730 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 488)..... Note: Fire tested factory assembled package unit.	23,281.05		1,028.51
23 52 23 00-0065	EA	845 MBH Steam, 979 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 588)..... Note: Fire tested factory assembled package unit.	26,413.25		1,175.44
23 52 23 00-0066	EA	1,072 MBH Steam, 1,229 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 688)..... Note: Fire tested factory assembled package unit.	30,255.07		1,322.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 23 00-0067	EA		1,311 MBH Steam, 1,478 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 788)..... Note: Fire tested factory assembled package unit.	33,637.48	1,469.30
23 52 23 00-0068	EA		1,543 MBH Steam, 1,728 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 888)..... Note: Fire tested factory assembled package unit.	36,029.29	1,469.30
23 52 23 00-0069	EA		1,766 MBH Steam, 1,977 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 988)..... Note: Fire tested factory assembled package unit.	40,255.59	1,616.23
23 52 23 00-0070	EA		1,988 MBH Steam, 2,227 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1088)..... Note: Fire tested factory assembled package unit.	42,677.09	1,616.23
23 52 23 00-0071	EA		2,211 MBH Steam, 2,477 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1188)..... Note: Fire tested factory assembled package unit.	45,362.61	1,763.16
23 52 23 00-0072	EA		2,434 MBH Steam, 2,726 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1288)..... Note: Fire tested factory assembled package unit.	48,290.18	1,763.16
23 52 23 00-0073	EA		2,657 MBH Steam, 2,976 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1388)..... Note: Fire tested factory assembled package unit.	51,158.08	1,910.09
23 52 23 00-0074	EA		2,880 MBH Steam, 3,225 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1488)..... Note: Fire tested factory assembled package unit.	53,939.68	2,057.02
23 52 23 00-0075	EA		3,102 MBH Steam, 3,475 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1588)..... Note: Fire tested factory assembled package unit.	56,094.01	2,057.02
23 52 23 00-0076	EA		3,325 MBH Steam, 3,724 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1688)..... Note: Fire tested factory assembled package unit.	58,987.30	2,203.95
23 52 23 00-0077	EA		3,548 MBH Steam, 3,974 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1788)..... Note: Fire tested factory assembled package unit.	61,598.22	2,203.95
23 52 23 00-0078	EA		3,771 MBH Steam, 4,223 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package unit.	64,270.93	2,350.88
<b>23 52 23 00-0079</b>			<b>Gas/Oil Fired Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)</b> Note: Field assembled boilers can only be used in situations where package units cannot be installed.		
23 52 23 00-0080	EA		629 MBH Steam, 730 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 488) ..... Note: Includes field assembly of individual sections and testing.	33,006.95	6,528.93
23 52 23 00-0081	EA		845 MBH Steam, 979 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 588) ..... Note: Includes field assembly of individual sections and testing.	36,102.06	6,927.93
23 52 23 00-0082	EA		1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 688) ..... Note: Includes field assembly of individual sections and testing.	40,150.06	7,326.92
23 52 23 00-0083	EA		1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 788) ..... Note: Includes field assembly of individual sections and testing.	43,639.02	7,725.91
23 52 23 00-0084	EA		1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 888) ..... Note: Includes field assembly of individual sections and testing.	46,450.62	8,124.90
23 52 23 00-0085	EA		1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 988) ..... Note: Includes field assembly of individual sections and testing.	50,565.29	8,523.89
23 52 23 00-0086	EA		1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1088) ..... Note: Includes field assembly of individual sections and testing.	54,113.66	8,922.88
23 52 23 00-0087	EA		2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1188) ..... Note: Includes field assembly of individual sections and testing.	56,768.13	9,321.87
23 52 23 00-0088	EA		2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1288) ..... Note: Includes field assembly of individual sections and testing.	60,215.10	9,720.86
23 52 23 00-0089	EA		2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1388) ..... Note: Includes field assembly of individual sections and testing.	63,773.90	10,119.85
23 52 23 00-0090	EA		2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1488) ..... Note: Includes field assembly of individual sections and testing.	68,967.38	10,518.84
23 52 23 00-0091	EA		3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1588) ..... Note: Includes field assembly of individual sections and testing.	72,524.96	10,917.83
23 52 23 00-0092	EA		3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1688) ..... Note: Includes field assembly of individual sections and testing.	74,534.54	11,316.82
23 52 23 00-0093	EA		3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1788) ..... Note: Includes field assembly of individual sections and testing.	77,624.64	11,715.81
23 52 23 00-0094	EA		3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain 1888) ..... Note: Includes field assembly of individual sections and testing.	80,262.43	12,114.80
<b>23 52 23 00-0095</b>			<b>Gas/Oil Fired Package Weil-McLain Model 88 Cast Iron Boiler (23 52 23 00-0046)</b>		
23 52 23 00-0096	EA		629 MBH Steam, 730 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 488) ..... Note: Fire tested factory assembled package cast iron unit.	24,264.92	1,028.51
23 52 23 00-0097	EA		845 MBH Steam, 979 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 588) ..... Note: Fire tested factory assembled package cast iron unit.	27,391.46	1,175.44
23 52 23 00-0098	EA		1,072 MBH Steam, 1,229 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 688) ..... Note: Fire tested factory assembled package cast iron unit.	31,473.59	1,322.37
23 52 23 00-0099	EA		1,311 MBH Steam, 1,478 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 788) ..... Note: Fire tested factory assembled package cast iron unit.	34,994.53	1,469.30
23 52 23 00-0100	EA		1,543 MBH Steam, 1,728 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 888) ..... Note: Fire tested factory assembled package cast iron unit.	37,250.64	1,469.30
23 52 23 00-0101	EA		1,766 MBH Steam, 1,977 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 988) ..... Note: Weil-McLain Model 88. Fire tested factory assembled package cast iron unit.	41,397.78	1,616.23
23 52 23 00-0102	EA		1,988 MBH Steam, 2,227 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1088) ..... Note: Fire tested factory assembled package cast iron unit.	44,391.79	1,616.23
23 52 23 00-0103	EA		2,211 MBH Steam, 2,477 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1188) ..... Note: Fire tested factory assembled package cast iron unit.	47,077.31	1,763.16
23 52 23 00-0104	EA		2,434 MBH Steam, 2,726 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1288) ..... Note: Fire tested factory assembled package cast iron unit.	49,970.95	1,763.16
23 52 23 00-0105	EA		2,657 MBH Steam, 2,976 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1388) ..... Note: Fire tested factory assembled package cast iron unit.	53,568.26	1,910.09
23 52 23 00-0106	EA		2,880 MBH Steam, 3,225 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1488) ..... Note: Fire tested factory assembled package cast iron unit.	56,464.37	2,057.02
23 52 23 00-0107	EA		3,102 MBH Steam, 3,475 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1588) ..... Note: Fire tested factory assembled package cast iron unit.	58,054.67	2,057.02
23 52 23 00-0108	EA		3,325 MBH Steam, 3,724 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1688) ..... Note: Fire tested factory assembled package cast iron unit.	61,510.58	2,203.95

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0109	EA	3,548 MBH Steam, 3,974 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1788) ..... Note: Fire tested factory assembled package cast iron unit.	64,045.16		2,203.95
23 52 23 00-0110	EA	3,771 MBH Steam, 4,223 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain 1888)..... Note: Fire tested factory assembled package cast iron unit.	66,716.46		2,350.88
<b>23 52 23 00-0111 Weil-McLain Model 94 Cast Iron Boiler (23 52 23)</b>					
Note: Capacities are the net AHRI ratings for steam or water MBH output. Includes burner unit and controls. Excludes flue piping, fuel piping, boiler base or pad.					
<b>23 52 23 00-0112 Gas Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>					
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0113	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-894)..... Note: Includes field assembly of individual sections and testing.	83,244.57		12,695.15
23 52 23 00-0114	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-994)..... Note: Includes field assembly of individual sections and testing.	90,011.95		13,420.58
23 52 23 00-0115	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1094)..... Note: Includes field assembly of individual sections and testing.	96,220.95		14,146.03
23 52 23 00-0116	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1194)..... Note: Includes field assembly of individual sections and testing.	102,306.24		14,871.46
23 52 23 00-0117	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1294)..... Note: Includes field assembly of individual sections and testing.	108,446.37		15,596.90
23 52 23 00-0118	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1394)..... Note: Includes field assembly of individual sections and testing.	116,718.62		16,322.34
23 52 23 00-0119	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1494)..... Note: Includes field assembly of individual sections and testing.	122,522.32		17,047.77
23 52 23 00-0120	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1594)..... Note: Includes field assembly of individual sections and testing.	128,148.61		17,773.21
23 52 23 00-0121	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1694)..... Note: Includes field assembly of individual sections and testing.	137,102.66		18,498.65
23 52 23 00-0122	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1794)..... Note: Includes field assembly of individual sections and testing.	142,725.84		19,224.09
23 52 23 00-0123	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1894)..... Note: Includes field assembly of individual sections and testing.	147,594.58		19,949.52
23 52 23 00-0124	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-1994)..... Note: Includes field assembly of individual sections and testing.	156,247.79		20,674.96
23 52 23 00-0125	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2094)..... Note: Includes field assembly of individual sections and testing.	161,914.66		21,400.40
23 52 23 00-0126	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2194)..... Note: Includes field assembly of individual sections and testing.	170,760.89		22,125.83
23 52 23 00-0127	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2294)..... Note: Includes field assembly of individual sections and testing.	176,709.13		22,851.28
23 52 23 00-0128	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2394)..... Note: Includes field assembly of individual sections and testing.	183,188.28		23,576.71
23 52 23 00-0129	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2494)..... Note: Includes field assembly of individual sections and testing.	188,798.17		24,302.15
23 52 23 00-0130	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Cast Iron Boiler (Weil-McLain H-2594)..... Note: Includes field assembly of individual sections and testing.	194,559.89		25,027.58
<b>23 52 23 00-0131 Gas Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>					
23 52 23 00-0132	EA	1,584 MBH Steam, 1,784 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-894) ..... Note: Fire tested factory assembled package cast iron unit.	70,284.08		1,910.09
23 52 23 00-0133	EA	1,800 MBH Steam, 2,050 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-994) ..... Note: Fire tested factory assembled package cast iron unit.	76,635.03		2,057.02
23 52 23 00-0134	EA	2,024 MBH Steam, 2,310 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1094) ..... Note: Fire tested factory assembled package cast iron unit.	82,423.38		2,203.95
23 52 23 00-0135	EA	2,249 MBH Steam, 2,571 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1194) ..... Note: Fire tested factory assembled package cast iron unit.	88,092.92		2,350.88
23 52 23 00-0136	EA	2,474 MBH Steam, 2,834 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1294) ..... Note: Fire tested factory assembled package cast iron unit.	93,224.29		2,350.88
23 52 23 00-0137	EA	2,703 MBH Steam, 3,098 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1394) ..... Note: Fire tested factory assembled package cast iron unit.	98,761.16		2,497.81
23 52 23 00-0138	EA	2,928 MBH Steam, 3,362 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1494) ..... Note: Fire tested factory assembled package cast iron unit.	103,557.50		2,497.81
23 52 23 00-0139	EA	3,154 MBH Steam, 3,628 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1594) ..... Note: Fire tested factory assembled package cast iron unit.	108,764.80		2,644.74
23 52 23 00-0140	EA	3,378 MBH Steam, 3,894 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1694) ..... Note: Fire tested factory assembled package cast iron unit.	116,713.47		2,644.74
23 52 23 00-0141	EA	3,604 MBH Steam, 4,162 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1794) ..... Note: Fire tested factory assembled package cast iron unit.	121,919.32		2,791.67
23 52 23 00-0142	EA	3,834 MBH Steam, 4,430 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1894) ..... Note: Fire tested factory assembled package cast iron unit.	125,781.28		2,791.67
23 52 23 00-0143	EA	4,059 MBH Steam, 4,700 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-1994) ..... Note: Fire tested factory assembled package cast iron unit.	134,019.49		2,938.61
23 52 23 00-0144	EA	4,285 MBH Steam, 4,970 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2094) ..... Note: Fire tested factory assembled package cast iron unit.	138,678.72		2,938.61
23 52 23 00-0145	EA	4,510 MBH Steam, 5,241 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2194) ..... Note: Fire tested factory assembled package cast iron unit.	147,131.81		3,085.53
23 52 23 00-0146	EA	4,781 MBH Steam, 5,568 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2294) ..... Note: Fire tested factory assembled package cast iron unit.	152,046.89		3,085.53
23 52 23 00-0147	EA	4,961 MBH Steam, 5,787 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2394) ..... Note: Fire tested factory assembled package cast iron unit.	158,105.25		3,232.46
23 52 23 00-0148	EA	5,232 MBH Steam, 6,117 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2494) ..... Note: Fire tested factory assembled package cast iron unit.	162,709.34		3,232.46
23 52 23 00-0149	EA	5,413 MBH Steam, 6,338 MBH Water Gas Fired Package Cast Iron Boiler (Weil-McLain H-2594) ..... Note: Fire tested factory assembled package cast iron unit.	168,052.32		3,379.40



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 52 23 00-0150 Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>					
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0151	EA		1,584 MBH Steam, 1,784 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-894) .....	79,026.39	12,695.15
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0152	EA		1,800 MBH Steam, 2,050 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-994) .....	85,793.77	13,420.58
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0153	EA		2,024 MBH Steam, 2,310 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1094) .....	93,956.36	14,146.03
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0154	EA		2,249 MBH Steam, 2,571 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1194) .....	99,531.34	14,871.46
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0155	EA		2,474 MBH Steam, 2,834 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1294) .....	105,323.73	15,596.90
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0156	EA		2,703 MBH Steam, 3,098 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1394) .....	113,207.24	16,322.34
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0157	EA		2,928 MBH Steam, 3,362 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1494) .....	119,273.87	17,047.77
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0158	EA		3,154 MBH Steam, 3,628 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1594) .....	124,902.98	17,773.21
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0159	EA		3,378 MBH Steam, 3,894 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1694) .....	134,866.35	18,498.65
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0160	EA		3,604 MBH Steam, 4,162 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1794) .....	140,490.94	19,224.09
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0161	EA		3,834 MBH Steam, 4,430 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1894) .....	146,113.13	19,949.52
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0162	EA		4,059 MBH Steam, 4,700 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-1994) .....	156,257.69	20,674.96
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0163	EA		4,285 MBH Steam, 4,970 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2094) .....	161,924.55	21,400.40
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0164	EA		4,510 MBH Steam, 5,241 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2194) .....	170,998.38	22,125.83
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0165	EA		4,781 MBH Steam, 5,568 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2294) .....	176,945.20	22,851.28
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0166	EA		4,961 MBH Steam, 5,787 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2394) .....	183,302.79	23,576.71
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0167	EA		5,232 MBH Steam, 6,117 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2494) .....	188,912.67	24,302.15
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0168	EA		5,413 MBH Steam, 6,338 MBH Water Oil Fired Cast Iron Boiler (Weil-McLain H-2594) .....	194,682.87	25,027.58
Note: Includes field assembly of individual sections and testing.					

<b>23 52 23 00-0169 Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>					
23 52 23 00-0170	EA		1,584 MBH Steam, 1,784 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-894) .....	65,836.90	1,910.09
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0171	EA		1,800 MBH Steam, 2,050 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-994) .....	72,187.85	2,057.02
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0172	EA		2,024 MBH Steam, 2,310 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094) .....	79,929.79	2,203.95
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0173	EA		2,249 MBH Steam, 2,571 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194) .....	85,089.02	2,350.88
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0174	EA		2,474 MBH Steam, 2,834 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294) .....	89,872.64	2,350.88
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0175	EA		2,703 MBH Steam, 3,098 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394) .....	95,020.77	2,497.81
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0176	EA		2,928 MBH Steam, 3,362 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494) .....	100,080.05	2,497.81
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0177	EA		3,154 MBH Steam, 3,628 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594) .....	105,287.34	2,644.74
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0178	EA		3,378 MBH Steam, 3,894 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694) .....	114,248.15	2,644.74
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0179	EA		3,604 MBH Steam, 4,162 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794) .....	119,452.59	2,791.67
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0180	EA		3,834 MBH Steam, 4,430 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894) .....	124,070.82	2,791.67
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0181	EA		4,059 MBH Steam, 4,700 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994) .....	133,800.38	2,938.61
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0182	EA		4,285 MBH Steam, 4,970 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094) .....	138,459.61	2,938.61
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0183	EA		4,510 MBH Steam, 5,241 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194) .....	147,112.02	3,085.53
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0184	EA		4,781 MBH Steam, 5,568 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294) .....	152,053.96	3,085.53
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0185	EA		4,961 MBH Steam, 5,787 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394) .....	157,990.74	3,232.46
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0186	EA		5,232 MBH Steam, 6,117 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494) .....	162,594.84	3,232.46
Note: Fire tested factory assembled package cast iron unit.					
23 52 23 00-0187	EA		5,413 MBH Steam, 6,338 MBH Water Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594) .....	167,946.30	3,379.40
Note: Fire tested factory assembled package cast iron unit.					

<b>23 52 23 00-0188 Gas/Oil Fired Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>					
Note: Field assembled boilers can only be used in situations where package units cannot be installed.					
23 52 23 00-0189	EA		1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-894) .....	84,570.53	12,695.15
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0190	EA		1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-994) .....	91,339.32	13,420.58
Note: Includes field assembly of individual sections and testing.					
23 52 23 00-0191	EA		2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1094) .....	97,910.20	14,146.03
Note: Includes field assembly of individual sections and testing.					



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 23 00-0192	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1194).....	104,138.26		14,871.46
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0193	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1294).....	110,245.88		15,596.90
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0194	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1394).....	117,383.01		16,322.34
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0195	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1494).....	124,728.95		17,047.77
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0196	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1594).....	130,702.98		17,773.21
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0197	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1694).....	139,878.97		18,498.65
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0198	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1794).....	145,502.15		19,224.09
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0199	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1894).....	150,469.84		19,949.52
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0200	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-1994).....	159,219.18		20,674.96
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0201	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2094).....	166,299.64		21,400.40
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0202	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2194).....	175,903.57		22,125.83
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0203	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2294).....	181,809.40		22,851.28
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0204	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2394).....	188,551.48		23,576.71
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0205	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2494).....	194,162.78		24,302.15
		Note: Includes field assembly of individual sections and testing.			
23 52 23 00-0206	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Cast Iron Boiler (Weil-McLain H-2594).....	199,928.74		25,027.58
		Note: Includes field assembly of individual sections and testing.			
<b>23 52 23 00-0207 Gas/Oil Fired Package Weil-McLain Model 94 Cast Iron Boiler (23 52 23 00-0111)</b>					
23 52 23 00-0208	EA	1,584 MBH Steam, 1,784 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-894).....	71,713.23		1,910.09
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0209	EA	1,800 MBH Steam, 2,050 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-994).....	78,065.59		2,057.02
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0210	EA	2,024 MBH Steam, 2,310 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1094).....	84,220.06		2,203.95
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0211	EA	2,249 MBH Steam, 2,571 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1194).....	90,029.55		2,350.88
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0212	EA	2,474 MBH Steam, 2,834 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1294).....	95,128.40		2,350.88
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0213	EA	2,703 MBH Steam, 3,098 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1394).....	99,528.74		2,497.81
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0214	EA	2,928 MBH Steam, 3,362 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1494).....	105,867.33		2,497.81
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0215	EA	3,154 MBH Steam, 3,628 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1594).....	111,420.95		2,644.74
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0216	EA	3,378 MBH Steam, 3,894 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1694).....	119,594.39		2,644.74
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0217	EA	3,604 MBH Steam, 4,162 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1794).....	124,797.41		2,791.67
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0218	EA	3,834 MBH Steam, 4,430 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1894).....	128,759.73		2,791.67
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0219	EA	4,059 MBH Steam, 4,700 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-1994).....	137,094.07		2,938.61
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0220	EA	4,285 MBH Steam, 4,970 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2094).....	143,168.31		2,938.61
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0221	EA	4,510 MBH Steam, 5,241 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2194).....	152,350.82		3,085.53
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0222	EA	4,781 MBH Steam, 5,568 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2294).....	157,251.77		3,085.53
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0223	EA	4,961 MBH Steam, 5,787 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2394).....	163,571.64		3,232.46
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0224	EA	5,232 MBH Steam, 6,117 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2494).....	168,177.15		3,232.46
		Note: Fire tested factory assembled package cast iron unit.			
23 52 23 00-0225	EA	5,413 MBH Steam, 6,338 MBH Water Gas/Oil Fired Package Cast Iron Boiler (Weil-McLain H-2594).....	173,525.78		3,379.40
		Note: Fire tested factory assembled package cast iron unit.			
<b>23 52 33 Water-Tube Boilers (23 52)</b>					
<b>23 52 33 16 Steel Water-Tube Boilers (23 52 33)</b>					
<b>23 52 33 16-0001 Package Oil Fired Water Tube Boiler (23 52 33 16)</b>					
		Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.			
23 52 33 16-0002	EA	200 MBH Oil Fired Water Tube Boiler, Steel Shell .....	14,782.98		1,175.44
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.			
		<i>For Steam System, Add</i>	2,486.42		
23 52 33 16-0003	EA	285 MBH Oil Fired Water Tube Boiler, Steel Shell .....	15,302.88		1,322.37
		Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit.			
		<i>For Steam System, Add</i>	2,531.63		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0004	EA		350 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	15,822.78 2,576.83	1,469.30
23 52 33 16-0005	EA		430 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	16,700.72 2,693.65	1,616.23
23 52 33 16-0006	EA		520 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	17,585.89 2,811.91	1,763.16
23 52 33 16-0007	EA		600 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	19,055.15 3,046.99	1,910.09
23 52 33 16-0008	EA		680 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	19,993.21 3,205.22	1,983.55
23 52 33 16-0009	EA		770 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	20,931.29 3,363.45	2,057.02
23 52 33 16-0010	EA		860 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	22,671.78 3,652.78	2,203.95
23 52 33 16-0011	EA		1,020 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	24,412.29 3,942.10	2,350.88
23 52 33 16-0012	EA		1,220 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	26,627.48 4,267.60	2,644.74
23 52 33 16-0013	EA		1,440 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	28,661.84 4,556.93	2,938.61
23 52 33 16-0014	EA		1,700 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	31,487.33 5,063.25	3,085.53
23 52 33 16-0015	EA		2,050 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	33,227.81 5,352.58	3,232.46
23 52 33 16-0016	EA		2,200 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	35,691.67 5,786.58	3,379.40
23 52 33 16-0017	EA		2,450 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	39,602.13 6,509.90	3,526.32
23 52 33 16-0018	EA		2,750 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	42,540.65 6,980.06	3,820.19
23 52 33 16-0019	EA		3,100 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	45,479.18 7,450.22	4,114.04
23 52 33 16-0020	EA		3,450 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	48,598.52 7,956.54	4,407.90
23 52 33 16-0021	EA		4,300 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	53,634.66 8,846.23	4,701.77
23 52 33 16-0022	EA		5,160 MBH Oil Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i>	55,922.19 9,186.19	4,995.62
23 52 33 16-0023			<b>Package Gas Fired Water Tube Boiler</b> <small>(23 52 33 16)</small> Note: Steel shell with insulating jacket, standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), burner, copper finned tubes, safety devices, all controls, set-up and wiring. Excludes flue piping, fuel piping, or circulator. Rated by MBH gross rated output.		
23 52 33 16-0024	EA		200 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	14,479.76 2,425.78 606.44	1,175.44

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 33 16-0025	EA		285 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	14,994.14  2,469.88 617.47	1,322.37
23 52 33 16-0026	EA		350 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	15,508.53  2,513.98 628.50	1,469.30
23 52 33 16-0027	EA		430 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	16,375.75  2,628.66 657.16	1,616.23
23 52 33 16-0028	EA		520 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	17,242.98  2,743.33 685.83	1,763.16
23 52 33 16-0029	EA		600 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	18,683.56  2,972.68 743.17	1,910.09
23 52 33 16-0030	EA		680 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	19,602.33  3,127.04 781.76	1,983.55
23 52 33 16-0031	EA		770 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	20,521.11  3,281.41 820.35	2,057.02
23 52 33 16-0032	EA		860 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	22,226.32  3,563.68 890.92	2,203.95
23 52 33 16-0033	EA		1,020 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	23,931.55  3,845.96 961.49	2,350.88
23 52 33 16-0034	EA		1,220 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	26,107.04  4,163.51 1,040.88	2,644.74
23 52 33 16-0035	EA		1,440 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	28,106.12  4,445.78 1,111.45	2,938.61
23 52 33 16-0036	EA		1,700 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	30,869.86  4,939.76 1,234.94	3,085.53
23 52 33 16-0037	EA		2,050 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	32,575.06  5,222.03 1,305.51	3,232.46
23 52 33 16-0038	EA		2,220 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	34,985.99  5,645.44 1,411.36	3,379.40
23 52 33 16-0039	EA		2,450 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	38,808.24  6,351.12 1,587.78	3,526.32
23 52 33 16-0040	EA		2,750 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	41,689.42  6,809.81 1,702.45	3,820.19
23 52 33 16-0041	EA		3,100 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	44,570.62  7,268.50 1,817.13	4,114.04
23 52 33 16-0042	EA		3,450 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	47,628.21  7,762.48 1,940.62	4,407.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 52 33 16-0043	EA		4,300 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	51,497.33 8,418.76 2,104.69	4,701.77
23 52 33 16-0044	EA		5,160 MBH Gas Fired Water Tube Boiler, Steel Shell ..... Note: Includes insulating jacket, standard controls, burner and safety devices. Fire tested factory assembled package unit. <i>For Steam System, Add</i> <i>For LP Gas Burner, Add</i>	53,743.40 8,750.43 2,187.61	4,995.62

**23 52 36 Fire-Box Boiler (23 52)**

**23 52 36 00-0001 Package Oil Fired Firebox Boilers (23 52 36)**

Note: Prices are good for 15 PSI steam or 30 PSI water. Packaged type, complete with burner and all basic safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.) Normally required (Boiler HP), boiler sizes are based on HP rating and gross output.

23 52 36 00-0002	EA		40 HP, 1,339 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	85,321.99	3,526.32
23 52 36 00-0003	EA		46 HP, 1,553 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	89,259.80	3,820.19
23 52 36 00-0004	EA		53 HP, 1,784 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	93,502.10	4,114.04
23 52 36 00-0005	EA		61 HP, 2,062 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	101,094.46	4,407.90
23 52 36 00-0006	EA		69 HP, 2,313 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	105,641.26	4,701.77
23 52 36 00-0007	EA		80 HP, 2,678 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	110,112.13	4,995.62
23 52 36 00-0008	EA		100 HP, 3,348 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	122,364.05	5,289.48
23 52 36 00-0009	EA		127 HP, 4,251 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	141,492.70	5,877.20
23 52 36 00-0010	EA		151 HP, 5,055 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	160,941.24	6,464.92
23 52 36 00-0011	EA		183 HP, 6,126 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	176,577.28	7,126.11
23 52 36 00-0012	EA		220 HP, 7,388 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	192,213.52	7,787.29
23 52 36 00-0013	EA		257 HP, 8,606 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	202,472.24	9,109.66
23 52 36 00-0014	EA		294 HP, 9,842 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	246,459.57	10,432.03
23 52 36 00-0015	EA		368 HP, 12,302 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	291,512.81	11,754.40
23 52 36 00-0016	EA		441 HP, 14,766 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	337,088.41	13,223.71
23 52 36 00-0017	EA		514 HP, 17,220 MBH Oil Fired Firebox Boiler, 15 PSI Steam Or 30 PSI Water .....	381,472.45	14,325.68

**23 52 39 Fire-Tube Boilers (23 52)**

**23 52 39 13 Scotch Marine Boilers (23 52 39)**

**23 52 39 13-0001 15 PSI Steam Scotch Marine Boilers (23 52 39 13)**

Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.

**23 52 39 13-0002 15 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0001)**

23 52 39 13-0003	EA		30 HP, 1,033 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	68,183.90	1,616.23
23 52 39 13-0004	EA		40 HP, 1,339 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	73,413.38	1,763.16
23 52 39 13-0005	EA		50 HP, 1,674 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	79,733.79	1,910.09
23 52 39 13-0006	EA		60 HP, 2,009 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	83,491.47	2,203.95
23 52 39 13-0007	EA		70 HP, 2,343 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	87,522.27	2,350.88
23 52 39 13-0008	EA		80 HP, 2,678 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	91,649.74	2,497.81
23 52 39 13-0009	EA		90 HP, 3,013 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,475.67	2,571.28
23 52 39 13-0010	EA		100 HP, 3,348 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	99,672.03	2,644.74
23 52 39 13-0011	EA		125 HP, 4,184 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	112,647.47	2,938.61
23 52 39 13-0012	EA		150 HP, 5,021 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	127,915.80	3,232.46
23 52 39 13-0013	EA		175 HP, 5,858 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	140,318.15	3,563.05
23 52 39 13-0014	EA		200 HP, 6,695 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	152,717.48	3,893.65
23 52 39 13-0015	EA		250 HP, 8,369 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	161,477.84	4,554.83
23 52 39 13-0016	EA		300 HP, 10,043 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	196,101.74	5,216.02
23 52 39 13-0017	EA		350 HP, 11,716 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	212,503.00	5,877.20
23 52 39 13-0018	EA		400 HP, 13,390 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	249,862.32	6,538.39
23 52 39 13-0019	EA		500 HP, 16,738 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	302,817.83	7,199.57
23 52 39 13-0020	EA		600 HP, 20,085 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	353,790.27	7,860.76
23 52 39 13-0021	EA		700 HP, 23,433 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	402,584.16	8,521.94
23 52 39 13-0022	EA		800 HP, 26,780 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	449,455.62	9,183.13
23 52 39 13-0023	EA		900 HP, 30,128 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	695,893.68	9,844.31

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 52 39 13-0024	EA	1,000 HP, 33,476 MBH 15 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	757,006.10		10,505.50
<b>23 52 39 13-0025 15 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)</b>					
23 52 39 13-0026	EA	30 HP, 1,033 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	63,298.15		1,616.23
23 52 39 13-0027	EA	40 HP, 1,339 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	68,159.89		1,763.16
23 52 39 13-0028	EA	50 HP, 1,674 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	74,023.48		1,910.09
23 52 39 13-0029	EA	60 HP, 2,009 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	80,759.66		2,203.95
23 52 39 13-0030	EA	70 HP, 2,343 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	84,300.13		2,350.88
23 52 39 13-0031	EA	80 HP, 2,678 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	87,833.73		2,497.81
23 52 39 13-0032	EA	90 HP, 3,013 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	91,082.98		2,571.28
23 52 39 13-0033	EA	100 HP, 3,348 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,500.59		2,644.74
23 52 39 13-0034	EA	125 HP, 4,184 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	112,751.01		2,938.61
23 52 39 13-0035	EA	150 HP, 5,021 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	128,028.48		3,232.46
23 52 39 13-0036	EA	175 HP, 5,858 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	140,443.02		3,563.05
23 52 39 13-0037	EA	200 HP, 6,695 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	152,854.53		3,893.65
23 52 39 13-0038	EA	250 HP, 8,369 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	161,620.97		4,554.83
23 52 39 13-0039	EA	300 HP, 10,043 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	196,278.38		5,216.02
23 52 39 13-0040	EA	350 HP, 11,716 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	212,691.82		5,877.20
23 52 39 13-0041	EA	400 HP, 13,390 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	250,087.69		6,538.39
23 52 39 13-0042	EA	500 HP, 16,738 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	303,091.92		7,199.57
23 52 39 13-0043	EA	600 HP, 20,085 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	354,113.10		7,860.76
23 52 39 13-0044	EA	700 HP, 23,433 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	402,952.67		8,521.94
23 52 39 13-0045	EA	800 HP, 26,780 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	449,869.81		9,183.13
23 52 39 13-0046	EA	900 HP, 30,128 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	696,548.42		9,844.31
23 52 39 13-0047	EA	1,000 HP, 33,476 MBH 15 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	757,722.35		10,505.50
<b>23 52 39 13-0048 15 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0001)</b>					
23 52 39 13-0049	EA	30 HP, 1,033 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	70,322.29		1,616.23
23 52 39 13-0050	EA	40 HP, 1,339 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	75,712.73		1,763.16
23 52 39 13-0051	EA	50 HP, 1,674 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	82,228.06		1,910.09
23 52 39 13-0052	EA	60 HP, 2,009 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,591.79		2,203.95
23 52 39 13-0053	EA	70 HP, 2,343 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	90,372.85		2,350.88
23 52 39 13-0054	EA	80 HP, 2,678 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	94,147.05		2,497.81
23 52 39 13-0055	EA	90 HP, 3,013 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	97,633.85		2,571.28
23 52 39 13-0056	EA	100 HP, 3,348 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,121.69		2,644.74
23 52 39 13-0057	EA	125 HP, 4,184 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,959.89		2,938.61
23 52 39 13-0058	EA	150 HP, 5,021 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	132,825.15		3,232.46
23 52 39 13-0059	EA	175 HP, 5,858 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	145,702.60		3,563.05
23 52 39 13-0060	EA	200 HP, 6,695 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	158,573.98		3,893.65
23 52 39 13-0061	EA	250 HP, 8,369 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	167,596.25		4,554.83
23 52 39 13-0062	EA	300 HP, 10,043 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	203,587.58		5,216.02
23 52 39 13-0063	EA	350 HP, 11,716 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	220,573.57		5,877.20
23 52 39 13-0064	EA	400 HP, 13,390 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	259,419.10		6,538.39
23 52 39 13-0065	EA	500 HP, 16,738 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	314,521.68		7,199.57
23 52 39 13-0066	EA	600 HP, 20,085 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	367,555.93		7,860.76



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0067	EA		700 HP, 23,433 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	418,323.31	8,521.94
23 52 39 13-0068	EA		800 HP, 26,780 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	467,082.98	9,183.13
23 52 39 13-0069	EA		900 HP, 30,128 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	723,933.07	9,844.31
23 52 39 13-0070	EA		1,000 HP, 33,476 MBH 15 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	787,541.39	10,505.50
<b>23 52 39 13-0071</b>			<b>125 PSI Water Scotch Marine Boilers (23 52 39 13)</b> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
<b>23 52 39 13-0072</b>			<b>125 PSI Gas Fired Water Scotch Marine Boilers (23 52 39 13-0071)</b>		
23 52 39 13-0073	EA		40 HP, 1,339 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	80,585.53	1,763.16
23 52 39 13-0074	EA		50 HP, 1,674 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	90,374.77	1,910.09
23 52 39 13-0075	EA		60 HP, 2,009 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	97,223.63	2,203.95
23 52 39 13-0076	EA		70 HP, 2,343 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	104,494.84	2,350.88
23 52 39 13-0077	EA		80 HP, 2,678 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	111,914.49	2,497.81
23 52 39 13-0078	EA		90 HP, 3,013 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	117,779.83	2,571.28
23 52 39 13-0079	EA		100 HP, 3,348 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	126,703.89	2,644.74
23 52 39 13-0080	EA		125 HP, 4,184 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,021.68	2,938.61
23 52 39 13-0081	EA		150 HP, 5,021 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	148,317.61	3,232.46
23 52 39 13-0082	EA		175 HP, 5,858 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	157,878.51	3,563.05
23 52 39 13-0083	EA		200 HP, 6,695 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,638.65	3,893.65
23 52 39 13-0084	EA		250 HP, 8,369 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	197,956.83	4,554.83
23 52 39 13-0085	EA		300 HP, 10,043 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	230,406.25	5,216.02
23 52 39 13-0086	EA		350 HP, 11,716 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	248,573.90	5,877.20
23 52 39 13-0087	EA		400 HP, 13,390 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	277,317.50	6,538.39
23 52 39 13-0088	EA		500 HP, 16,738 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	335,392.49	7,199.57
23 52 39 13-0089	EA		600 HP, 20,085 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	392,099.62	7,860.76
23 52 39 13-0090	EA		700 HP, 23,433 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	446,384.55	8,521.94
23 52 39 13-0091	EA		800 HP, 26,780 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	498,512.54	9,183.13
23 52 39 13-0092	EA		900 HP, 30,128 MBH 125 PSI Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	773,930.28	9,844.31
23 52 39 13-0093	EA		1,000 HP, 33,476 125 PSI MBH Water Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	841,985.53	10,505.50
<b>23 52 39 13-0094</b>			<b>125 PSI Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)</b>		
23 52 39 13-0095	EA		40 HP, 1,339 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	74,762.54	1,763.16
23 52 39 13-0096	EA		50 HP, 1,674 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,820.85	1,910.09
23 52 39 13-0097	EA		60 HP, 2,009 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	93,986.26	2,203.95
23 52 39 13-0098	EA		70 HP, 2,343 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,575.28	2,350.88
23 52 39 13-0099	EA		80 HP, 2,678 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,154.38	2,497.81
23 52 39 13-0100	EA		90 HP, 3,013 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	113,446.09	2,571.28
23 52 39 13-0101	EA		100 HP, 3,348 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	123,871.57	2,644.74
23 52 39 13-0102	EA		125 HP, 4,184 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	136,146.54	2,938.61
23 52 39 13-0103	EA		150 HP, 5,021 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	148,451.61	3,232.46
23 52 39 13-0104	EA		175 HP, 5,858 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	158,021.64	3,563.05
23 52 39 13-0105	EA		200 HP, 6,695 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	163,787.88	3,893.65
23 52 39 13-0106	EA		250 HP, 8,369 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	198,136.52	4,554.83
23 52 39 13-0107	EA		300 HP, 10,043 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	230,616.39	5,216.02
23 52 39 13-0108	EA		350 HP, 11,716 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	248,799.26	5,877.20

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0109	EA		400 HP, 13,390 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	277,570.28	6,538.39
23 52 39 13-0110	EA		500 HP, 16,738 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	335,700.09	7,199.57
23 52 39 13-0111	EA		600 HP, 20,085 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	392,462.03	7,860.76
23 52 39 13-0112	EA		700 HP, 23,433 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	446,798.73	8,521.94
23 52 39 13-0113	EA		800 HP, 26,780 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	498,975.45	9,183.13
23 52 39 13-0114	EA		900 HP, 30,128 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	774,664.11	9,844.31
23 52 39 13-0115	EA		1,000 HP, 33,476 MBH 125 PSI Water Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	842,785.28	10,505.50
<b>23 52 39 13-0116</b>			<b>125 PSI Gas/Oil Fired Water Scotch Marine Boilers (23 52 39 13-0071)</b>		
23 52 39 13-0117	EA		40 HP, 1,339 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	83,131.57	1,763.16
23 52 39 13-0118	EA		50 HP, 1,674 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	93,237.54	1,910.09
23 52 39 13-0119	EA		60 HP, 2,009 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	100,893.46	2,203.95
23 52 39 13-0120	EA		70 HP, 2,343 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	107,966.71	2,350.88
23 52 39 13-0121	EA		80 HP, 2,678 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	115,033.09	2,497.81
23 52 39 13-0122	EA		90 HP, 3,013 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	121,812.08	2,571.28
23 52 39 13-0123	EA		100 HP, 3,348 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	128,592.09	2,644.74
23 52 39 13-0124	EA		125 HP, 4,184 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	141,329.98	2,938.61
23 52 39 13-0125	EA		150 HP, 5,021 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	154,097.96	3,232.46
23 52 39 13-0126	EA		175 HP, 5,858 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	164,012.14	3,563.05
23 52 39 13-0127	EA		200 HP, 6,695 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	169,964.15	3,893.65
23 52 39 13-0128	EA		250 HP, 8,369 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	205,634.54	4,554.83
23 52 39 13-0129	EA		300 HP, 10,043 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	239,356.98	5,216.02
23 52 39 13-0130	EA		350 HP, 11,716 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	258,185.50	5,877.20
23 52 39 13-0131	EA		400 HP, 13,390 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	288,046.80	6,538.39
23 52 39 13-0132	EA		500 HP, 16,738 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	348,491.19	7,199.57
23 52 39 13-0133	EA		600 HP, 20,085 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	407,503.76	7,860.76
23 52 39 13-0134	EA		700 HP, 23,433 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	463,996.67	8,521.94
23 52 39 13-0135	EA		800 HP, 26,780 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	518,235.20	9,183.13
23 52 39 13-0136	EA		900 HP, 30,128 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	805,304.87	9,844.31
23 52 39 13-0137	EA		1,000 HP, 33,476 MBH 125 PSI Water Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. 125 PSI Water. Fire tested factory assembled package unit.	876,146.04	10,505.50
<b>23 52 39 13-0138</b>			<b>150 PSI Steam Scotch Marine Boilers (23 52 39 13)</b> Note: Includes all standard safety controls (low water cut-off, high/low temperature and pressure operating controls, flame failure, main and pilot gas control, etc.), setting boilers and controls. Rated by boiler horsepower and MBH gross rated output.		
<b>23 52 39 13-0139</b>			<b>150 PSI Gas Fired Steam Scotch Marine Boilers (23 52 39 13-0138)</b>		
23 52 39 13-0140	EA		40 HP, 1,339 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,321.81	1,763.16
23 52 39 13-0141	EA		50 HP, 1,674 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	101,359.89	1,910.09
23 52 39 13-0142	EA		60 HP, 2,009 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	105,894.17	2,203.95
23 52 39 13-0143	EA		70 HP, 2,343 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	110,957.39	2,350.88
23 52 39 13-0144	EA		80 HP, 2,678 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	116,147.74	2,497.81
23 52 39 13-0145	EA		90 HP, 3,013 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	119,735.04	2,571.28
23 52 39 13-0146	EA		100 HP, 3,348 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	126,402.38	2,644.74
23 52 39 13-0147	EA		125 HP, 4,184 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	142,919.74	2,938.61
23 52 39 13-0148	EA		150 HP, 5,021 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	162,409.13	3,232.46
23 52 39 13-0149	EA		175 HP, 5,858 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,137.17	3,563.05
23 52 39 13-0150	EA		200 HP, 6,695 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	193,862.19	3,893.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39 13-0151	EA		250 HP, 8,369 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	204,455.93	4,554.83
23 52 39 13-0152	EA		300 HP, 10,043 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	248,676.21	5,216.02
23 52 39 13-0153	EA		350 HP, 11,716 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	269,174.07	5,877.20
23 52 39 13-0154	EA		400 HP, 13,390 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	316,982.10	6,538.39
23 52 39 13-0155	EA		500 HP, 16,738 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	385,037.19	7,199.57
23 52 39 13-0156	EA		600 HP, 20,085 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	450,481.85	7,860.76
23 52 39 13-0157	EA		700 HP, 23,433 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	513,135.81	8,521.94
23 52 39 13-0158	EA		800 HP, 26,780 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	573,273.47	9,183.13
23 52 39 13-0159	EA		900 HP, 30,128 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	892,854.91	9,844.31
23 52 39 13-0160	EA		1,000 HP, 33,476 MBH 150 PSI Steam Gas Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	971,473.82	10,505.50
<b>23 52 39 13-0161</b>			<b>150 PSI Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)</b>		
23 52 39 13-0162	EA		40 HP, 1,339 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	86,490.76	1,763.16
23 52 39 13-0163	EA		50 HP, 1,674 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	93,938.00	1,910.09
23 52 39 13-0164	EA		60 HP, 2,009 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	102,340.07	2,203.95
23 52 39 13-0165	EA		70 HP, 2,343 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	106,769.83	2,350.88
23 52 39 13-0166	EA		80 HP, 2,678 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	111,189.66	2,497.81
23 52 39 13-0167	EA		90 HP, 3,013 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	115,322.12	2,571.28
23 52 39 13-0168	EA		100 HP, 3,348 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	123,576.16	2,644.74
23 52 39 13-0169	EA		125 HP, 4,184 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	143,050.69	2,938.61
23 52 39 13-0170	EA		150 HP, 5,021 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	162,558.36	3,232.46
23 52 39 13-0171	EA		175 HP, 5,858 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	178,301.63	3,563.05
23 52 39 13-0172	EA		200 HP, 6,695 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	194,041.87	3,893.65
23 52 39 13-0173	EA		250 HP, 8,369 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	204,641.71	4,554.83
23 52 39 13-0174	EA		300 HP, 10,043 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	248,904.62	5,216.02
23 52 39 13-0175	EA		350 HP, 11,716 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	269,420.75	5,877.20
23 52 39 13-0176	EA		400 HP, 13,390 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	317,274.46	6,538.39
23 52 39 13-0177	EA		500 HP, 16,738 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	385,393.51	7,199.57
23 52 39 13-0178	EA		600 HP, 20,085 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	450,902.13	7,860.76
23 52 39 13-0179	EA		700 HP, 23,433 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	513,613.96	8,521.94
23 52 39 13-0180	EA		800 HP, 26,780 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	573,809.48	9,183.13
23 52 39 13-0181	EA		900 HP, 30,128 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	893,707.38	9,844.31
23 52 39 13-0182	EA		1,000 HP, 33,476 MBH 150 PSI Steam Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	972,405.39	10,505.50
<b>23 52 39 13-0183</b>			<b>150 PSI Gas/Oil Fired Steam Scotch Marine Boilers (23 52 39 13-0138)</b>		
23 52 39 13-0184	EA		40 HP, 1,339 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	96,309.45	1,763.16
23 52 39 13-0185	EA		50 HP, 1,674 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	104,603.34	1,910.09
23 52 39 13-0186	EA		60 HP, 2,009 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	109,923.36	2,203.95
23 52 39 13-0187	EA		70 HP, 2,343 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	114,663.76	2,350.88
23 52 39 13-0188	EA		80 HP, 2,678 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	119,394.24	2,497.81
23 52 39 13-0189	EA		90 HP, 3,013 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	123,840.38	2,571.28
23 52 39 13-0190	EA		100 HP, 3,348 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	128,284.50	2,644.74
23 52 39 13-0191	EA		125 HP, 4,184 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	148,523.46	2,938.61
23 52 39 13-0192	EA		150 HP, 5,021 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	168,792.50	3,232.46
23 52 39 13-0193	EA		175 HP, 5,858 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler ..... Note: Burnham Series 3. Fire tested factory assembled unit.	185,135.73	3,563.05

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 52 Heating Boilers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 52 39	13-0194	EA	200 HP, 6,695 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	201,478.98	3,893.65
23 52 39	13-0195	EA	250 HP, 8,369 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	212,410.78	4,554.83
23 52 39	13-0196	EA	300 HP, 10,043 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	258,406.58	5,216.02
23 52 39	13-0197	EA	350 HP, 11,716 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	279,665.81	5,877.20
23 52 39	13-0198	EA	400 HP, 13,390 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	329,404.69	6,538.39
23 52 39	13-0199	EA	500 HP, 16,738 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	400,255.55	7,199.57
23 52 39	13-0200	EA	600 HP, 20,085 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	468,377.21	7,860.76
23 52 39	13-0201	EA	700 HP, 23,433 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	533,595.48	8,521.94
23 52 39	13-0202	EA	800 HP, 26,780 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	596,187.81	9,183.13
23 52 39	13-0203	EA	900 HP, 30,128 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	929,304.80	9,844.31
23 52 39	13-0204	EA	1,000 HP, 33,476 MBH 150 PSI Steam Gas/Oil Fired Scotch Marine Boiler..... Note: Burnham Series 3. Fire tested factory assembled unit.	1,011,166.63	10,505.50

**23 53 Heating Boiler Feedwater Equipment** (23 50)**23 53 13 Boiler Feedwater Pumps** (23 53)

See CSI section 23 53 16 00-0001 for boiler feedwater units.

**23 53 16 Deaerators** (23 53)**23 53 16 00-0001 Boiler Feed System** (23 53 16)**23 53 16 00-0002 Low Pressure Boiler Feed System** (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0003	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	7,770.81	1,739.54
23 53 16 00-0004	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	8,467.68	2,049.37
23 53 16 00-0005	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,058.94	2,121.16
23 53 16 00-0006	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,353.46	2,198.99
23 53 16 00-0007	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	9,907.96	2,350.12
23 53 16 00-0008	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	15,294.58	2,546.60
23 53 16 00-0009	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	17,187.88	2,720.40
23 53 16 00-0010	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	19,693.27	3,098.23
23 53 16 00-0011	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	21,633.85	3,324.93
23 53 16 00-0012	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, Low Pressure System.....	23,293.47	3,551.63

**23 53 16 00-0013 High Pressure Boiler Feed System** (23 53 16 00-0001)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0014	EA	10 HP, 100 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,359.12	1,483.08
23 53 16 00-0015	EA	20 HP, 200 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	10,879.26	1,739.54
23 53 16 00-0016	EA	34 HP, 340 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	12,163.54	2,049.37
23 53 16 00-0017	EA	54 HP, 530 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,101.79	2,121.16
23 53 16 00-0018	EA	67 HP, 660 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	13,347.41	2,198.99
23 53 16 00-0019	EA	78 HP, 760 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	15,978.83	2,350.12
23 53 16 00-0020	EA	104 HP, 1,020 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	20,555.90	2,546.60
23 53 16 00-0021	EA	158 HP, 1,550 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	21,140.47	2,720.40
23 53 16 00-0022	EA	183 HP, 1,800 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	23,212.06	2,913.24
23 53 16 00-0023	EA	219 HP, 2,150 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	24,960.33	3,098.23
23 53 16 00-0024	EA	254 HP, 2,500 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	26,702.01	3,324.93
23 53 16 00-0025	EA	305 HP, 3,000 KW Boiler Feed System With Deaerator, Pumps And Accessories, High Pressure System.....	28,801.90	3,551.63

**23 53 16 00-0026 Boiler Feedwater System** (23 53 16)

Note: With deaerator includes pumps and accessories.

23 53 16 00-0027	EA	1,380 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	13,032.47	2,049.37
23 53 16 00-0028	EA	2,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	16,846.84	2,347.85
23 53 16 00-0029	EA	4,300 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	22,053.61	2,687.15
23 53 16 00-0030	EA	6,900 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	26,472.59	3,099.74
23 53 16 00-0031	EA	8,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	28,110.39	3,324.93
23 53 16 00-0032	EA	11,000 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	29,679.75	3,551.63
23 53 16 00-0033	EA	13,800 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	33,091.30	4,080.75
23 53 16 00-0034	EA	17,250 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	42,538.49	4,685.43
23 53 16 00-0035	EA	20,700 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	54,932.93	5,413.90
23 53 16 00-0036	EA	27,600 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	69,303.13	6,214.60
23 53 16 00-0037	EA	34,500 LB/Hour Feedwater System With Deaerator, Pumps, And Accessories.....	88,421.38	7,150.12

**23 53 16 00-0038 Duplex Vacuum Condensate Pumps** (23 53 16)

23 53 16 00-0039	EA	7 CFM, 15 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3/4 HP vacuum pumps rated for 7 CFM, two 3/4 HP condensate pumps rated for 15 GPM at 20 PSI and 45 GAL cast iron receiver. Skidmore JVC-7-45-102.	34,296.66	1,209.06
23 53 16 00-0040	EA	9 CFM, 30 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1 HP vacuum pumps rated for 9 CFM, two 3/4 HP condensate pumps rated for 30 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-9-45-201.5.	35,087.70	1,284.63
23 53 16 00-0041	EA	12 CFM, 45 GPM, 45 Gallon Duplex Vacuum Condensate Pump..... Note: Two 1-1/2 HP vacuum pumps rated for 12 CFM, two 1 HP condensate pumps rated for 45 GPM at 15 PSI and 45 GAL cast iron receiver. Skidmore JVC-12-45-301.5.	35,995.07	1,360.20



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 53 16 00-0042 EA 18 CFM, 37.5 GPM, 65 Gallon Duplex Vacuum Condensate Pump..... Note: Two 2 HP vacuum pumps rated for 18 CFM, two 1 HP condensate pumps rated for 37.5 GPM at 20 PSI and 65 GAL cast iron receiver. Skidmore JVC-18-65-252.	34,801.28	1,435.76
23 53 16 00-0043 EA 28 CFM, 60 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 3 HP vacuum pumps rated for 28 CFM, two 1-1/2 HP condensate pumps rated for 60 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-28-110-402.	47,117.42	1,511.33
23 53 16 00-0044 EA 42 CFM, 75 GPM, 110 Gallon Duplex Vacuum Condensate Pump..... Note: Two 5 HP vacuum pumps rated for 42 CFM, two 2 HP condensate pumps rated for 75 GPM at 20 PSI and 110 GAL cast iron receiver. Skidmore JVC-42-110-502.	49,595.46	1,586.90

**23 54 Furnaces** (23 50)

Note: All units based on output. See CSI section 23 84 13 00-0000 for humidifiers.

**23 54 13 Electric-Resistance Furnaces** (23 54)

**23 54 13 00-0001 Down Flow Multi-Speed Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0002 EA Up To 2 Ton Down Flow Multi-Speed Air Handler/Electric Furnace ..... Note: Excludes cooling equipment.	1,252.68	126.71
23 54 13 00-0003 EA >2 To 3.5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace ..... Note: Excludes cooling equipment.	1,650.77	158.39
23 54 13 00-0004 EA >3.5 To 5 Ton Down Flow Multi-Speed Air Handler/Electric Furnace ..... Note: Excludes cooling equipment.	2,128.76	190.06

**23 54 13 00-0005 Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0006 EA Up To 2 Ton Up/Horizontal Flow Multi-Speed Air Handler/Electric Furnace ..... Note: Excludes cooling equipment.	1,252.68	126.71
23 54 13 00-0007 EA >2 To 2.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace ..... Note: Excludes cooling equipment.	1,494.18	142.55
23 54 13 00-0008 EA >2.5 To 3 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace ..... Note: Excludes cooling equipment.	1,634.12	158.39
23 54 13 00-0009 EA >3 to 3.5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace ..... Note: Excludes cooling equipment.	1,714.12	174.22
23 54 13 00-0010 EA >3.5 To 5 Ton Up/Horizontal Flow Multi-Speed Air Handler/ Electric Furnace ..... Note: Excludes cooling equipment.	2,128.76	190.06

**23 54 13 00-0011 Heating Coil For Air Handler/Electric Furnace** (23 54 13)

23 54 13 00-0012 EA 5 KW Heating Coil For Air Handler/Electric Furnace .....	245.99	38.61
23 54 13 00-0013 EA 7 KW Heating Coil For Air Handler/Electric Furnace .....	279.76	42.47
23 54 13 00-0014 EA 10 KW Heating Coil For Air Handler/Electric Furnace .....	303.52	46.33
23 54 13 00-0015 EA 15 KW Heating Coil For Air Handler/Electric Furnace .....	402.22	50.20
23 54 13 00-0016 EA 20 KW Heating Coil For Air Handler/Electric Furnace .....	434.31	54.05

**23 54 16 Fuel-Fired Furnaces** (23 54)

**23 54 16 13 Gas-Fired Furnaces** (23 54 16)

**23 54 16 13-0001 Natural Gas Fired Forced Air Furnaces** (23 54 16 13)

Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.

**23 54 16 13-0002 Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace** (23 54 16 13-0001)

23 54 16 13-0003 EA 40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,928.56	110.87
23 54 16 13-0004 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	2,058.49	126.71
23 54 16 13-0005 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	2,373.25	142.55
23 54 16 13-0006 EA 100 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	2,777.99	174.22
23 54 16 13-0007 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	2,966.21	190.06

**23 54 16 13-0008 Up/Horizontal Flow Variable Speed, Two Stage 95% AFUE Gas Furnace** (23 54 16 13-0001)

23 54 16 13-0009 EA 40 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	2,141.65	110.87
23 54 16 13-0010 EA 60 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	2,348.18	126.71
23 54 16 13-0011 EA 80 MBH, 1,200 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	2,494.40	142.55
23 54 16 13-0012 EA 80 MBH, 1,600 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3.5 tons.	3,184.64	158.39
23 54 16 13-0013 EA 100 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	2,946.14	174.22
23 54 16 13-0014 EA 120 MBH, 2,000 CFM Up/Horizontal Flow Variable Speed, Two Stage 96% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	3,109.39	190.06

**23 54 16 13-0015 Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace** (23 54 16 13-0001)

23 54 16 13-0016 EA 45 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,891.85	110.87
23 54 16 13-0017 EA 70 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	2,171.64	126.71



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 50 Central Heating Equipment****23 54 Furnaces**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 54 16 13-0018	EA	90 MBH, 1,600 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	2,364.94	158.39
23 54 16 13-0019	EA	90 MBH, 2,000 CFM Down Flow Multi-Speed, Two Stage 95% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	2,528.19	174.22
<b>23 54 16 13-0020</b>		<b>Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0021	EA	40 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,467.97	110.87
23 54 16 13-0022	EA	60 MBH, 1,200 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,604.58	126.71
23 54 16 13-0023	EA	80 MBH, 1,600 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,901.02	142.55
23 54 16 13-0024	EA	100 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	3,177.56	174.22
23 54 16 13-0025	EA	120 MBH, 2,000 CFM Down Flow Variable Speed, Two Stage 93% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	3,407.40	190.06
<b>23 54 16 13-0026</b>		<b>Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0027	EA	40 MBH, 800 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,725.43	110.87
23 54 16 13-0028	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,823.74	126.71
23 54 16 13-0029	EA	80 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	2,035.28	142.55
23 54 16 13-0030	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	2,051.92	142.55
23 54 16 13-0031	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,240.14	158.39
23 54 16 13-0032	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,365.10	174.22
23 54 16 13-0033	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 96% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	2,510.02	190.06
<b>23 54 16 13-0034</b>		<b>Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0035	EA	40 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,214.30	110.87
23 54 16 13-0036	EA	60 MBH, 1,200 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 3 tons.	1,330.93	126.71
23 54 16 13-0037	EA	60 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,520.82	142.55
23 54 16 13-0038	EA	80 MBH, 1,600 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 4 tons.	1,522.49	142.55
23 54 16 13-0039	EA	80 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,672.41	158.39
23 54 16 13-0040	EA	100 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,722.44	174.22
23 54 16 13-0041	EA	120 MBH, 2,000 CFM Up/Horizontal Flow Multi-Speed, One Stage 80% AFUE Gas Furnace..... Note: Blower cooling capacity up to 5 tons.	1,912.32	190.06
<b>23 54 16 13-0042</b>		<b>Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0043	EA	40 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,230.95	110.87
23 54 16 13-0044	EA	60 MBH, 1,200 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 3 tons.	1,335.92	126.71
23 54 16 13-0045	EA	80 MBH, 1,600 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 4 tons.	1,595.74	142.55
23 54 16 13-0046	EA	100 MBH, 2,000 CFM Down Flow Multi-Speed, One Stage 80% AFUE Gas Furnace ..... Note: Blower cooling capacity up to 5 tons.	1,757.32	158.39
<b>23 54 16 13-0047</b>		<b>75% AFUE Gas Wall/Recessed Furnace (23 54 16 13-0001)</b>		
23 54 16 13-0048	EA	35 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace .....	2,046.60	95.03
23 54 16 13-0049	EA	55 MBH 75% AFUE Electronic Ignition Gas Wall/Recessed Furnace .....	2,366.39	118.85
23 54 16 13-0050	EA	35 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,855.14	95.03
23 54 16 13-0051	EA	40 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,983.38	103.01
23 54 16 13-0052	EA	50 MBH 75% AFUE Gas Wall/Recessed Furnace.....	1,970.10	110.87
23 54 16 13-0053	EA	65 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,031.83	118.85
23 54 16 13-0054	EA	75 MBH 75% AFUE Gas Wall/Recessed Furnace.....	2,101.88	118.85
<b>23 54 16 16</b>		<b>Oil-Fired Furnaces (23 54 16)</b>		
<b>23 54 16 16-0001</b>		<b>Oil Fired Forced Air Furnaces (23 54 16 16)</b> Note: Excludes flue, condenser, evaporator coil, piping, thermostat, ductwork and electrical connections.		
<b>23 54 16 16-0002</b>		<b>Up Flow Single Speed, One Stage 81% AFUE Oil Furnace (23 54 16 16-0001)</b>		
23 54 16 16-0003	EA	72 MBH, 1,220 CFM Up Flow Single Speed, One Stage 84% AFUE Oil Furnace..... Note: Blower cooling capacity up to 3 tons.	3,290.52	126.71
23 54 16 16-0004	EA	95 MBH, 1,590 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 4 tons.	3,517.20	174.22
23 54 16 16-0005	EA	126 MBH, 1,835 CFM Up Flow Single Speed, One Stage 83% AFUE Oil Furnace..... Note: Blower cooling capacity up to 5 tons.	4,061.81	205.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 54 16 16-0006			<b>Down/Horizontal Flow Single Speed, One Stage 81% AFUE Oil Furnace</b> (23 54 16 16-0001)		
23 54 16 16-0007	EA		95 MBH, 1,210 CFM Down/Horizontal Flow Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 3 tons.	3,826.88	174.22
23 54 16 16-0008	EA		126 MBH, 2,005 CFM Down/Horizontal Flow Single Speed, One Stage 84% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,873.68	205.90

23 54 16 16-0009			<b>Up Flow Lowboy Single Speed, One Stage 81% AFUE Oil Furnace</b> (23 54 16 16-0001)		
23 54 16 16-0010	EA		95 MBH, 1,550 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 4 tons.	3,320.75	174.22
23 54 16 16-0011	EA		127 MBH, 2,130 CFM Up Flow Lowboy Single Speed, One Stage 83% AFUE Oil Furnace Note: Blower cooling capacity up to 5 tons.	3,941.94	205.90

**23 54 19 Furnace Accessories** (23 54)

23 54 19 00-0001	EA		LP Gas Furnace Conversion Kit	218.90	31.68
23 54 19 00-0002	EA		1" Furnace External Filter Rack	66.49	
23 54 19 00-0003	EA		Removal And Reinstallation Of Forced Air Furnace Note: Includes storage and cleaning. Excludes ductwork.	586.60	

**23 55 Fuel-Fired Heaters** (23 50)

**23 55 23 Gas-Fired Radiant Heaters** (23 55)

**23 55 23 13 Low-Intensity Gas-Fired Radiant Heaters** (23 55 23)

23 55 23 13-0001			<b>Infrared Heaters-Radiant Energy</b> (23 55 23 13) Note: For spot localized or total heating, ceiling hung units, no fan required.		
23 55 23 13-0002			<b>Gas Fired Electric Ignition Infrared Gas Heater</b> (23 55 23 13-0001) Note: Ceramic combustion, surface chromized wire screen aluminized steel housing and polished aluminum reflector.		
23 55 23 13-0003	EA		15,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,056.85	151.14
23 55 23 13-0004	EA		37,500 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,182.10	166.24
23 55 23 13-0005	EA		50,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,255.51	166.24
23 55 23 13-0006	EA		75,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,567.79	199.50
23 55 23 13-0007	EA		100,000 BTU Infrared Gas Heater, Electric Ignition, Ceiling Hung Unit Without Fan	1,580.16	199.50

**23 55 23 13-0008 Rolled Steel Or Aluminum Housing Infrared Electric Heater** (23 55 23 13-0001)

Note: Anodized aluminum reflector and quartz/tungsten tubular element with an inner heavy-duty coiled element.					
23 55 23 13-0009	EA		1,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required For Stainless Steel Housing, Add	1,122.90 175.14	139.38
23 55 23 13-0010	EA		3,200 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required For Stainless Steel Housing, Add	1,198.35 194.00	139.38
23 55 23 13-0011	EA		5,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required For Stainless Steel Housing, Add	1,284.57 215.55	139.38
23 55 23 13-0012	EA		7,300 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required For Stainless Steel Housing, Add	1,388.22 241.47	139.38
23 55 23 13-0013	EA		10,950 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required For Stainless Steel Housing, Add	1,513.41 269.06	152.05
23 55 23 13-0014	EA		13,500 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required For Stainless Steel Housing, Add	1,615.60 289.76	164.72
23 55 23 13-0015	EA		24,000 Watt Infrared Elect Heater, Ceiling Hung Unit, No Fan Required For Stainless Steel Housing, Add	2,577.03 517.43	177.39

**23 55 23 13-0016 Gas Fired Tubular Infrared Heater** (23 55 23 13-0001)

Note: Per Tube Length. Includes controls and supports.					
23 55 23 13-0017			<b>"U" Package</b> (23 55 23 13-0016)		
23 55 23 13-0018	LF		Up To 75 MBH Input Radiant Heater	98.53	7.55
23 55 23 13-0019	LF		76 To 105 MBH Input Radiant Heater	113.91	9.07
23 55 23 13-0020	LF		106 To 130 MBH Input Radiant Heater	138.61	10.58

**23 55 23 13-0021 "S" Straight Package** (23 55 23 13-0016)

23 55 23 13-0022	LF		Up To 75 MBH Input Radiant Heater	80.33	6.05
23 55 23 13-0023	LF		76 To 105 MBH Input Radiant Heater	101.79	7.55
23 55 23 13-0024	LF		106 To 130 MBH Input Radiant Heater	123.23	9.07

**23 55 23 13-0025 Tube Type, High Efficiency (Condensing) Infrared Overhead Heating System - Radiant Heating for Total Heating or Spot Locations, Ceiling Hung Units** (23 55 23 13)

Note: Model CRV-B, (CORAYVAC® B Series) System as manufactured by Roberts Gordon LLC. Excludes beam clamps, hanger chain/rod, air intake/exhaust piping and shipping.					
23 55 23 13-0026			<b>Burner Unit Packages</b> (23 55 23 13-0025) Note: Natural or LP		
23 55 23 13-0027	EA		20,000 BTU/H Input, Model CRV B-2, Natural Gas Only (CORAYVAC® 0270002NG) Note: Includes filter and flexible gas line with shut-off.	1,686.14	100.76

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 55 Fuel-Fired Heaters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0028	EA		40 To 120 MBTU/H Models; CRV B-4, 6, 8, 9, 10, 12A (Natural Gas Only), CRV B-12 (LP Gas Only) (CORAYVAC® 02700xxNG Or LP).....	1,465.89	100.76
			Note: Includes filter and flexible gas line with shut-off.		
23 55 23 13-0029	EA		Combustion Chamber, Hot Rolled Steel (CORAYVAC® 02722300-1P).....	265.37	50.37
23 55 23 13-0030	EA		Combustion Chamber, Heat Treated Aluminized Steel (CORAYVAC® 02722301-1P).....	275.85	50.37
23 55 23 13-0031	EA		Combustion Chamber, Double Porcelain Coated Steel (CORAYVAC® 0272230D-1P).....	382.49	50.37
23 55 23 13-0032	EA		Outside Air Filter Housing (CORAYVAC® 01326801).....	98.96	37.78
			Note: Order one per burner if outside air supply is required.		
23 55 23 13-0033	EA		Outside Air Pressure Switch (CORAYVAC® 90434501).....	180.45	75.57
			Note: For non-pressurized outside air supply.		
23 55 23 13-0034	EA		Outside Air Blower (CORAYVAC® 90707501).....	1,412.21	302.27
23 55 23 13-0035	EA		Outside Air Blower Mounting Kit (CORAYVAC® 01316000).....	219.97	113.35

**23 55 23 13-0036 Radiant Tubing and Fittings** (23 55 23 13-0025)

23 55 23 13-0037	LF		4" Tube, Hot Rolled Steel, 16 Gauge (CORAYVAC® 91409300).....	15.87	6.30
23 55 23 13-0038	LF		4" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® 91409408).....	22.03	6.30
23 55 23 13-0039	LF		4" Tube, Double Porcelain Coated, 16 Gauge (CORAYVAC® 9141030D).....	37.59	6.30
23 55 23 13-0040	LF		6" Tube, Aluminized, Heat Treated, 16 Gauge (CORAYVAC® E0009105).....	37.93	6.30
23 55 23 13-0041	EA		4" Elbow, Aluminized (CORAYVAC® 01335801).....	127.28	50.37
23 55 23 13-0042	EA		4" Elbow, Porcelain Coated (CORAYVAC® 0133580D).....	177.96	50.37
23 55 23 13-0043	EA		6" Elbow, Aluminized (CORAYVAC® T0100320).....	310.81	50.37
23 55 23 13-0044	EA		4" Tee, Hot Rolled (CORAYVAC® 02718600).....	330.04	50.37
23 55 23 13-0045	EA		4" Tee, Aluminized (CORAYVAC® 02718603).....	345.77	50.37
23 55 23 13-0046	EA		6" Tee, Aluminized (CORAYVAC® 01330204).....	330.04	50.37
23 55 23 13-0047	EA		4" Tee, Double Porcelain Coated (CORAYVAC® 02718602).....	370.25	50.37
23 55 23 13-0048	EA		4" Cross, Aluminized (CORAYVAC® 01330903).....	353.14	62.97
23 55 23 13-0049	EA		6" Cross, Aluminized (CORAYVAC® 01330904).....	512.18	62.97
23 55 23 13-0050	EA		4" Cross, Double Porcelain Coated (CORAYVAC® 0133092D).....	344.38	62.97
23 55 23 13-0051	EA		4" Coupling, Plain (CORAYVAC® 01312700).....	61.52	12.58
23 55 23 13-0052	EA		6" Coupling, Plain (CORAYVAC® 01312706).....	75.51	12.58
23 55 23 13-0053	EA		4" Coupling, Lined (CORAYVAC® 01312701).....	70.26	12.58
23 55 23 13-0054	EA		4" Coupling, Damper (CORAYVAC® 01331900).....	206.67	75.57
23 55 23 13-0055	EA		6" Coupling, Damper (CORAYVAC® E0009356).....	210.16	75.57
23 55 23 13-0056	EA		4" To 6" Aluminized Adapter (CORAYVAC® 91418200).....	168.53	25.19
23 55 23 13-0057	EA		4" U-Tube Assembly, Plain (CORAYVAC® 03011000).....	365.00	50.37
			Note: Includes U tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.		
23 55 23 13-0058	EA		4" U-Tube Assembly, Stainless Steel (CORAYVAC® 030110SS).....	443.65	50.37
			Note: Includes U tube support bracket, reflector end cap, reflector support, S hook and turnbuckle.		

**23 55 23 13-0059 Reflectors, Hangers, Shields and Accessories** (23 55 23 13-0025)

23 55 23 13-0060	LF		Reflector, Aluminum 8" (CORAYVAC® 02750303).....	16.34	3.60
			Note: Need 1" overlap per reflector.		
23 55 23 13-0061	LF		Reflector With Burner Mounting Hole, Aluminum (CORAYVAC® 02750304).....	19.37	5.39
23 55 23 13-0062	LF		Reflector, Stainless Steel 8" (CORAYVAC® 027503SS).....	50.80	3.60
			Note: Need 1" overlap per reflector.		
23 55 23 13-0063	LF		Reflector With Burner Mounting Hole, Stainless Steel (CORAYVAC® 027503SH).....	64.31	5.39
23 55 23 13-0064	LF		Reflector Side Extensions, Aluminum, 8" (CORAYVAC® 02712700).....	18.97	8.99
23 55 23 13-0065	LF		Reflector Side Extensions, Stainless Steel, 8" (CORAYVAC® 027127SS).....	57.93	8.99
23 55 23 13-0066	LF		Reflector Side Extension Brackets (CORAYVAC® 01329910).....	6.84	3.60
			Note: Two needed per reflector side extension.		
23 55 23 13-0067	EA		End Cap, Reflector, Aluminum (CORAYVAC® 02750800).....	21.31	12.58
23 55 23 13-0068	EA		End Cap, Reflector, Stainless Steel (CORAYVAC® 027508SS).....	58.04	12.58
23 55 23 13-0069	EA		Joint, Reflector, Aluminum (CORAYVAC® 02750900).....	99.67	62.97
			Note: Includes modification to reflector.		
23 55 23 13-0070	EA		Joint, Reflector, Stainless Steel (CORAYVAC® 027509SS).....	145.13	62.97
			Note: Includes modification to reflector.		
23 55 23 13-0071	EA		Reflector Support Strap and Wire Form (CORAYVAC® 03050010).....	18.05	7.55
			Note: One needed per reflector.		
23 55 23 13-0072	EA		Tube And Reflector Hanger (CORAYVAC® 03090100).....	50.02	37.78
			Note: Includes S hook and turnbuckle.		
23 55 23 13-0073	EA		Turnbuckle (CORAYVAC® 91903201).....	14.54	7.55
			Note: One needed per tube and reflector hanger and one needed per combustion chamber.		

**23 55 23 13-0074 Vacuum Pump and Accessories** (23 55 23 13-0025)

23 55 23 13-0075	EA		EP-100 Vacuum Pump, 1/3 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02719105).....	2,212.63	604.53
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0076	EA		EP-201 Vacuum Pump, 3/4 HP, 115/230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02716305).....	2,791.20	604.53
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0077	EA		EP-203 Vacuum Pump, 3/4 HP, 208-230/460 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02712034).....	2,978.24	604.53
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0078	EA		EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 4" Inlet (CORAYVAC® 02723014).....	4,163.01	654.90
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0079	EA		EP-301 Vacuum Pump, 2 HP, 208-230 Volt, 60 Hertz, 1 Phase And Accessories, 6" Inlet (CORAYVAC® 02723016).....	4,211.95	654.90
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0080	EA		EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 4" Inlet (CORAYVAC® 02723034).....	4,528.33	654.90
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 23 13-0081	EA		EP-303 Vacuum Pump, 2 HP, 208-230/480 Volt, 60 Hertz, 3 Phase And Accessories, 6" Inlet (CORAYVAC® 02723036).....	4,573.78	654.90
			Note: Includes pressure switch, acoustic boots, bird screen, mounting angles, and inlet damper.		
23 55 23 13-0082	EA		Contactors Package For EP-301, 120 Volt AC Coil, 230 Volt AC, 2 HP, 1 Phase (CORAYVAC® 10050009).....	885.89	50.37
23 55 23 13-0083	EA		Condensate Valve (CORAYVAC® 01327001).....	75.87	25.19
23 55 23 13-0084	EA		Drain Cap 4" (CORAYVAC® 02718851).....	72.39	25.19
23 55 23 13-0085	EA		Drain Cap 6" (CORAYVAC® 02718852).....	77.64	25.19
<b>23 55 23 13-0086</b>			<b>Controls and Accessories</b> (23 55 23 13-0025)		
23 55 23 13-0087	EA		System Control, CORAYVAC® Control Panel (CORAYVAC® 02770002).....	1,858.87	151.14
			Note: For up to two complete CORAYVAC® systems totaling up to four heater zones. With pre-purge and post-purge control. Thermostats needed for each zone.		
23 55 23 13-0088	EA		Load Relay Package (CORAYVAC® 05023000).....	131.81	25.19
23 55 23 13-0089	EA		Transformer Relay SPST (CORAYVAC® 90417600).....	103.84	25.19
			Note: For basic one zone control without control panel. Thermostats needed for each zone.		
23 55 23 13-0090	EA		Transformer Relay DPST (CORAYVAC® 90436300).....	173.76	25.19
			Note: For basic two zone control without control panel. Thermostats needed for each zone.		
23 55 23 13-0091	EA		Thermostat 24 Volt (CORAYVAC® 90423000).....	829.67	25.19
			Note: Marked 1 to 5.		
23 55 23 13-0092	EA		Thermostat 120 Volt (CORAYVAC® 90439400).....	77.64	25.19
			Note: Marked 1 to 5.		
<b>23 55 23 13-0093</b>			<b>ULTRAVAC™ Building Management Controls</b> (23 55 23 13-0025)		
			Note: Featuring high-efficiency CORAYVAC® burner with modulation for enhanced fuel savings.		
23 55 23 13-0094	EA		ULTRAVAC™ Central Control, Model URVCL (CORAYVAC®).....	5,114.33	302.27
			Note: Includes windows-based comprehensive building management software, Local Area Computer Network (LAN TCP/IP) interface card, modem and one outdoor sensor.		
23 55 23 13-0095	EA		ULTRAVAC™ Control, Model URVCCM (CORAYVAC®).....	4,373.21	302.27
			Note: Includes windows-based comprehensive building management software, modem and one outdoor sensor.		
23 55 23 13-0096	EA		ULTRAVAC™ Control, Model URVCCR (CORAYVAC®).....	4,591.72	302.27
			Note: Includes windows-based comprehensive building management software, RS-485 adapter for hardware communications to remote PC, modem and one outdoor sensor.		
23 55 23 13-0097	EA		ULTRAVAC™ Satellite Controller (CORAYVAC® URVSC).....	3,731.73	302.27
23 55 23 13-0098	EA		Enclosure NEMA 4 for ULTRAVAC™ Controller (CORAYVAC® 10080302).....	1,966.85	75.57
23 55 23 13-0099	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75115).....	3,189.72	113.35
23 55 23 13-0100	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD75230).....	2,910.05	113.35
23 55 23 13-0101	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 1 (CORAYVAC® VFD20230).....	2,850.63	113.35
23 55 23 13-0102	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 115 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75115N4).....	4,374.83	113.35
23 55 23 13-0103	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD75230N4).....	3,362.77	113.35
23 55 23 13-0104	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD75460).....	3,180.98	113.35
23 55 23 13-0105	EA		Variable Frequency Drive For ULTRAVAC™, 0.75 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD75460N4).....	3,740.32	113.35
23 55 23 13-0106	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 230 Volt, 1 Phase Input, NEMA 4 (CORAYVAC® VFD20230N4).....	4,451.74	113.35
23 55 23 13-0107	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 1 (CORAYVAC® VFD20460).....	3,165.26	113.35
23 55 23 13-0108	EA		Variable Frequency Drive For ULTRAVAC™, 2 HP, 460 Volt, 3 Phase Input, NEMA 4 (CORAYVAC® VFD20460N4).....	4,460.47	113.35
23 55 23 13-0109	EA		Indoor Zone Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081500).....	369.53	25.19
			Note: One required per heating zone.		
23 55 23 13-0110	EA		Outdoor Temperature Sensor For ULTRAVAC™, Degrees F (CORAYVAC® 10081501).....	198.99	113.35
			Note: Can be used for indoor NEMA 4 sensor.		
<b>23 55 23 13-0111</b>			<b>High Efficiency Modulating Radiant Tube Heaters, Non-Condensing</b> (23 55 23 13-0025)		
			Note: Natural or LP Gas. Model CTH3, (VANTAGE® Modulating Series) manufactured by Roberts Gordon LLC. Complete heater includes high efficiency fully modulating burner with simultaneous fuel and combustion air modulation for ensured efficiency and proper combustion, heat treated aluminized steel tubing, continuous overlapping reflectors, reflector end caps, 36" flexible gas line and gas shut off, tube clamp, 'S' hooks for each hanger for installation. Exclude beam clamps, hanger chain/rod, and air intake/exhaust piping. For 'U' tube installation or other non-standard installation, use above for fittings and parts. Excludes shipping.		
23 55 23 13-0112	EA		CTH3-80, 20 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-20A).....	4,360.28	916.88
23 55 23 13-0113	EA		CTH3-80, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH380-30A).....	4,762.34	916.88
23 55 23 13-0114	EA		CTH3-115, 30 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-30A).....	4,716.90	916.88
23 55 23 13-0115	EA		CTH3-115, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3115-40A).....	5,271.53	1,095.72
23 55 23 13-0116	EA		CTH3-150, 40 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-40A).....	5,255.81	1,095.72
23 55 23 13-0117	EA		CTH3-150, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3150-50A).....	5,897.83	1,274.55
23 55 23 13-0118	EA		CTH3-200, 50 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-50A).....	5,897.83	1,274.55
23 55 23 13-0119	EA		CTH3-200, 60 Feet of Aluminized Steel Radiant Tube (CORAYVAC® CTH3200-60A).....	6,388.30	1,420.66
23 55 23 13-0120	EA		U Tube Package For Even Length Heaters (20, 40 Or 60 FT) (CORAYVAC® 03011000).....	365.00	50.37
23 55 23 13-0121	EA		U Tube Package For Odd Length Heaters (30 Or 50 FT) (CORAYVAC® 03011002).....	493.33	75.57
23 55 23 13-0122	EA		Elbow Package, Aluminized Steel (CORAYVAC® 02718702).....	228.67	50.37
23 55 23 13-0123	EA		Zone Sensor For CTH3 Systems (CORAYVAC® 10081530).....	173.76	25.19
<b>23 55 33</b>			<b>Fuel-Fired Unit Heaters</b> (23 55)		
<b>23 55 33 13</b>			<b>Oil-Fired Unit Heaters</b> (23 55 33)		
23 55 33 13-0001			Oil Fired Unit Heater (23 55 33 13)		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 55 Fuel-Fired Heaters**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 55 33 13-0002			Horizontal Fan Propelled Oil Fired Unit Heater, 115 Volt, 1 phase <small>(23 55 33 13-0001)</small>		
23 55 33 13-0003	EA		97 MBH Output, 2,000 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt ..... <small>(23 55 33 13-0001)</small>	6,370.27	696.04
			<i>For 3 Phase, 460 Volt, Add</i>	642.19	
23 55 33 13-0004	EA		142 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	6,850.70	765.64
			<i>For 3 Phase, 460 Volt, Add</i>	686.23	
23 55 33 13-0005	EA		188 MBH Output, 3,200 CFM Oil Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	7,370.33	835.25
			<i>For 3 Phase, 460 Volt, Add</i>	735.24	
<b>23 55 33 16</b>			<b>Gas-Fired Unit Heaters <small>(23 55 33)</small></b>		
23 55 33 16-0001			Gas Fired Unit Heaters <small>(23 55 33 16)</small>		
23 55 33 16-0002			Horizontal Fan Propelled Natural Gas Fired Unit Heaters, 115 Vol, 1 phase		
			<small>(23 55 33 16-0001)</small>		
			Note: 80 to 83 percent thermal efficiency, single stage, propeller unit, aluminum steel heat exchanger		
23 55 33 16-0003	EA		24.3 MBH Output, 30 MBH Input, 500 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,875.99	261.01
			<i>For 90 Percent Efficiency, Add</i>	788.59	
			<i>For Stainless Steel Heat Exchanger, Add</i>	205.97	
			<i>For 30 Degree, Downward Air Deflection Hood, Add</i>	56.50	
			<i>For 60 Degree, Downward Air Deflection Hood, Add</i>	90.63	
			<i>For 90 Degree, Downward Air Deflection Hood, Add</i>	135.35	
			<i>For 3 Phase, 460 Volt, Add</i>	303.66	
			<i>For Quick-Swivel Flush Mount With Brackets, Add</i>	175.00	
23 55 33 16-0004	EA		36.5 MBH Output, 45 MBH Input, 750 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,142.16	313.22
			<i>For 90 Percent Efficiency, Add</i>	842.79	
			<i>For Stainless Steel Heat Exchanger, Add</i>	220.13	
			<i>For 30 Degree, Downward Air Deflection Hood, Add</i>	60.38	
			<i>For 60 Degree, Downward Air Deflection Hood, Add</i>	96.86	
			<i>For 90 Degree, Downward Air Deflection Hood, Add</i>	144.66	
			<i>For 3 Phase, 460 Volt, Add</i>	324.54	
			<i>For Quick-Swivel Flush Mount With Brackets, Add</i>	175.00	
23 55 33 16-0005	EA		48.6 MBH Output, 60 MBH Input, 1,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,191.47	313.22
			<i>For Blower Unit Model, Add</i>	243.68	
			<i>For 90 Percent Efficiency, Add</i>	859.31	
			<i>For Stainless Steel Heat Exchanger, Add</i>	224.45	
			<i>For 30 Degree, Downward Air Deflection Hood, Add</i>	61.56	
			<i>For 60 Degree, Downward Air Deflection Hood, Add</i>	98.76	
			<i>For 90 Degree, Downward Air Deflection Hood, Add</i>	147.49	
			<i>For 3 Phase, 460 Volt, Add</i>	330.90	
			<i>For Quick-Swivel Flush Mount With Brackets, Add</i>	175.00	
23 55 33 16-0006	EA		60.8 MBH Output, 75 MBH Input, 1,250 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,481.39	365.42
			<i>For Blower Unit Model, Add</i>	261.30	
			<i>For 90 Percent Efficiency, Add</i>	921.44	
			<i>For Stainless Steel Heat Exchanger, Add</i>	240.67	
			<i>For 30 Degree, Downward Air Deflection Hood, Add</i>	66.01	
			<i>For 60 Degree, Downward Air Deflection Hood, Add</i>	105.90	
			<i>For 90 Degree, Downward Air Deflection Hood, Add</i>	158.16	
			<i>For 3 Phase, 460 Volt, Add</i>	354.82	
			<i>For Quick-Swivel Flush Mount With Brackets, Add</i>	175.00	
23 55 33 16-0007	EA		72.9 MBH Output, 90 MBH Input, 1,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,826.47	417.62
			<i>For Blower Unit Model, Add</i>	284.17	
			<i>For 90 Percent Efficiency, Add</i>	1,002.08	
			<i>For Stainless Steel Heat Exchanger, Add</i>	261.74	
			<i>For 30 Degree, Downward Air Deflection Hood, Add</i>	71.79	
			<i>For 60 Degree, Downward Air Deflection Hood, Add</i>	115.16	
			<i>For 90 Degree, Downward Air Deflection Hood, Add</i>	172.00	
			<i>For 3 Phase, 460 Volt, Add</i>	385.88	
			<i>For Quick-Swivel Flush Mount With Brackets, Add</i>	175.00	
23 55 33 16-0008	EA		81 MBH Output, 100 MBH Input, 1,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,107.53	443.72
			<i>For Blower Unit Model, Add</i>	305.92	
			<i>For 90 Percent Efficiency, Add</i>	1,078.76	
			<i>For Stainless Steel Heat Exchanger, Add</i>	281.77	
			<i>For 30 Degree, Downward Air Deflection Hood, Add</i>	77.28	
			<i>For 60 Degree, Downward Air Deflection Hood, Add</i>	123.98	
			<i>For 90 Degree, Downward Air Deflection Hood, Add</i>	185.16	
			<i>For 3 Phase, 460 Volt, Add</i>	415.40	
			<i>For Quick-Swivel Flush Mount With Brackets, Add</i>	175.00	
23 55 33 16-0009	EA		101.3 MBH Output, 125 MBH Input, 2,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,231.86	443.72
			<i>For Blower Unit Model, Add</i>	317.73	
			<i>For 90 Percent Efficiency, Add</i>	1,120.41	
			<i>For Stainless Steel Heat Exchanger, Add</i>	292.64	
			<i>For 30 Degree, Downward Air Deflection Hood, Add</i>	80.27	
			<i>For 60 Degree, Downward Air Deflection Hood, Add</i>	128.76	
			<i>For 90 Degree, Downward Air Deflection Hood, Add</i>	192.31	
			<i>For 3 Phase, 460 Volt, Add</i>	431.44	
			<i>For Quick-Swivel Flush Mount With Brackets, Add</i>	175.00	
23 55 33 16-0010	EA		121.5 MBH Output, 150 MBH Input, 2,400 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt.....	4,345.39	443.72
			<i>For Blower Unit Model, Add</i>	328.51	
			<i>For 90 Percent Efficiency, Add</i>	1,158.44	
			<i>For Stainless Steel Heat Exchanger, Add</i>	302.58	
			<i>For 30 Degree, Downward Air Deflection Hood, Add</i>	82.99	
			<i>For 60 Degree, Downward Air Deflection Hood, Add</i>	133.13	
			<i>For 90 Degree, Downward Air Deflection Hood, Add</i>	198.84	
			<i>For 3 Phase, 460 Volt, Add</i>	446.09	
			<i>For Quick-Swivel Flush Mount With Brackets, Add</i>	175.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 55 33 16-0011	EA		141.8 MBH Output, 175 MBH Input, 2,850 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt ..... For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	4,917.44 377.90 1,332.59 348.06 95.47 153.15 228.73 513.15 175.00	469.83
23 55 33 16-0012	EA		162 MBH Output, 200 MBH Input, 3,200 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt ..... For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	5,402.83 424.01 1,495.19 390.54 107.12 171.84 256.64 575.76 175.00	469.83
23 55 33 16-0013	EA		202.5 MBH Output, 250 MBH Input, 3,450 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt ..... For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	5,805.35 462.25 1,630.04 425.76 116.78 187.33 279.78 627.69 175.00	469.83
23 55 33 16-0014	EA		243 MBH Output, 300 MBH Input, 5,000 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt ..... For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	6,947.82 560.85 1,977.73 516.57 141.69 227.29 339.46 761.57 175.00	522.03
23 55 33 16-0015	EA		283.5 MBH Output, 350 MBH Input, 5,600 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt ..... For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	7,859.41 647.45 2,283.11 596.33 163.57 262.39 391.88 879.17 175.00	522.03
23 55 33 16-0016	EA		324 MBH Output, 400 MBH Input, 5,800 CFM Gas Fired Unit Heater Fan Propelled, Horizontal, 115 Volt ..... For Blower Unit Model, Add For 90 Percent Efficiency, Add For Stainless Steel Heat Exchanger, Add For 30 Degree, Downward Air Deflection Hood, Add For 60 Degree, Downward Air Deflection Hood, Add For 90 Degree, Downward Air Deflection Hood, Add For 3 Phase, 460 Volt, Add For Quick-Swivel Flush Mount With Brackets, Add	8,429.38 691.69 2,439.11 637.08 174.74 280.32 418.65 939.24 175.00	574.23

**23 55 33 16-0017 Removal And Reinstallation Of Unit Heaters (23 55 33 16)**

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 55 33 16-0018	EA		Removal And Reinstallation Of Up To 101.3 MBH Output Gas or Oil Unit Heater .....	869.01	
23 55 33 16-0019	EA		Removal And Reinstallation Of >101.3 MBH Output Gas or Oil Unit Heater .....	1,171.28	

**23 57 Heat Exchangers for HVAC (23 50)**

**23 57 13 Steam-To-Steam Heat Exchangers (23 57)**

**23 57 13 00-0001 Steam Generator Heat Exchanger (23 57 13)**

Note: 35 PSI generated steam using 180 degree feed water; 400 degree F water to valve.

23 57 13 00-0002	EA		75 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	23,395.02	2,418.13
23 57 13 00-0003	EA		300 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	31,341.31	2,569.27
23 57 13 00-0004	EA		525 LB/Hour Steam Generator Heat Exchanger, 35 PSI.....	42,096.74	3,142.13

**23 57 16 Steam-To-Water Heat Exchangers (23 57)**

**23 57 16 00-0001 Heat Exchanger, Hot Water 40 To 180 Degree By Steam 10 PSI (23 57 16)**

Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes. Excludes controls expansion tank and accessories.

23 57 16 00-0002	EA		8 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... For Bronze Head And Tube Sheet, Add For Copper Nickel Tubes, Add For Double Wall Tube Bundles, Add	2,713.90 994.56 221.01 331.52	377.84
23 57 16 00-0003	EA		10 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... For Bronze Head And Tube Sheet, Add For Copper Nickel Tubes, Add For Double Wall Tube Bundles, Add	3,951.29 1,506.04 334.68 502.01	377.84
23 57 16 00-0004	EA		40 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... For Bronze Head And Tube Sheet, Add For Copper Nickel Tubes, Add For Double Wall Tube Bundles, Add	5,933.68 2,330.10 517.80 776.70	528.96

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 50 Central Heating Equipment**

**23 57 Heat Exchangers for HVAC**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 16 00-0005	EA		64 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,404.64 3,551.99 789.33 1,184.00	528.96
23 57 16 00-0006	EA		96 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	12,371.49 4,717.04 1,048.23 1,572.35	622.67
23 57 16 00-0007	EA		120 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	16,239.17 6,194.67 1,376.59 2,064.89	778.96
23 57 16 00-0008	EA		168 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	20,075.32 7,587.05 1,686.01 2,529.02	1,169.17
23 57 16 00-0009	EA		240 GPM Heat Exchanger By Steam At 10 PSI, 40-180 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Bronze Head And Tube Sheet, Add</i> <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	30,287.94 11,821.02 2,626.89 3,940.34	1,169.17

**23 57 19 Liquid-To-Liquid Heat Exchangers (23 57)**

**23 57 19 13 Plate-Type, Liquid-To-Liquid Heat Exchangers (23 57 19)**

23 57 19 13-0001	Plate And Frame Heat Exchanger (23 57 19 13)				
23 57 19 13-0002	EA		8" W x 18-7/8"H Plate And Frame Heat Exchanger.....	4,273.67	377.84
23 57 19 13-0003	EA		8" W x 24-9/16"H Plate And Frame Heat Exchanger.....	5,646.55	377.84
23 57 19 13-0004	EA		11-3/16" W x 34-11/16"H Plate And Frame Heat Exchanger.....	7,513.71	453.40
23 57 19 13-0005	EA		16-3/4" W x 46-1/4"H Plate And Frame Heat Exchanger.....	10,163.54	491.18
23 57 19 13-0006	EA		16-1/2" W x 49-5/8"H Plate And Frame Heat Exchanger.....	11,107.39	491.18
23 57 19 13-0007	EA		24" W x 57-11/16"H Plate And Frame Heat Exchanger.....	14,443.63	528.96
23 57 19 13-0008	EA		26-5/16" W x 56-5/8"H Plate And Frame Heat Exchanger.....	15,215.88	528.96
23 57 19 13-0009	EA		24-1/4" W x 68-3/8"H Plate And Frame Heat Exchanger.....	18,799.07	604.53
23 57 19 13-0010	EA		24" W x 69-11/16"H Plate And Frame Heat Exchanger.....	22,982.94	680.10
23 57 19 13-0011	EA		26-5/16" W x 68-3/4"H Plate And Frame Heat Exchanger.....	23,840.99	680.10
23 57 19 13-0012	EA		24" W x 89-13/16"H Plate And Frame Heat Exchanger.....	29,494.22	789.18
23 57 19 13-0013	EA		26-5/16" W x 88-9/16"H Plate And Frame Heat Exchanger.....	35,575.29	867.96
23 57 19 13-0014	EA		40-13/16" W x 89-1/4"H Plate And Frame Heat Exchanger.....	41,055.57	946.73

**23 57 19 19 Copper Tube, Water-To-Water Heat Exchanger (23 57 19)**

23 57 19 19-0001	Heat Exchanger Hot Water 40-140 Degree By Water At 200 Degree F (23 57 19)				
Note: Cast iron head steel shell 4 pass 3/4" outside diameter copper tubes.					
23 57 19 19-0002	EA		7 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,219.07 271.53 407.30	377.84
23 57 19 19-0003	EA		16 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	4,456.47 385.19 577.79	377.84
23 57 19 19-0004	EA		34 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	6,628.29 587.26 880.89	528.96
23 57 19 19-0005	EA		55 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,469.19 846.16 1,269.24	528.96
23 57 19 19-0006	EA		74 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	11,733.37 1,041.92 1,562.88	604.53
23 57 19 19-0007	EA		86 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	15,609.39 1,401.85 2,102.78	604.53
23 57 19 19-0008	EA		112 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	19,319.72 1,742.84 2,614.26	584.58
23 57 19 19-0009	EA		126 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	24,018.97 2,172.24 3,258.36	584.58
23 57 19 19-0010	EA		152 GPM Heat Exchanger By 200 Degree Water, 40-140 Degree, 4 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	30,707.37 2,778.45 4,167.67	584.58

**23 57 19 23 Refrigerant-To-Water Heat Exchanger (23 57 19)**

23 57 19 23-0001	Heat Exchanger Refrigerant To Water (23 57 19 23)				
23 57 19 23-0002	EA		10 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	3,644.01 303.95 455.92	302.27
23 57 19 23-0003	EA		53 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	9,603.73 859.62 1,289.43	503.72
23 57 19 23-0004	EA		70 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	12,932.78 1,162.09 1,743.13	657.13

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 57 19 23-0005	EA		87 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	13,904.84 1,231.73 1,847.60	795.41
23 57 19 23-0006	EA		105 GPM Heat Exchanger By 385 Degree Water, 40-180 Degree, 3 Pass 3/4" Outside Diameter Copper Tube..... <i>For Copper Nickel Tubes, Add</i> <i>For Double Wall Tube Bundles, Add</i>	16,748.04 1,486.12 2,229.18	928.47

**23 60 Central Cooling Equipment (23)**

**23 61 Refrigerant Compressors (23 60)**

**23 61 16 Reciprocating Refrigerant Compressors (23 61)**

**23 61 16 00-0001 Reciprocating Open Type Refrigerant Compressors (23 61 16)**

Note: Includes manual reversible oil pump and automatic pressure regulator. Excludes muffler, vibration isolators, crank case oil heaters, couplings and flywheel.

23 61 16 00-0002	EA	1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	785.14	143.31
23 61 16 00-0003	EA	1/3 Ton Refrigerant Compressor, Reciprocating Open Type.....	922.66	143.31
23 61 16 00-0004	EA	1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,246.44	179.07
23 61 16 00-0005	EA	3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,530.08	179.07
23 61 16 00-0006	EA	1 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,701.98	179.07
23 61 16 00-0007	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,726.34	186.30
23 61 16 00-0008	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,736.37	186.30
23 61 16 00-0009	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Open Type.....	1,905.43	200.63
23 61 16 00-0010	EA	2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,048.70	214.96
23 61 16 00-0011	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,232.05	229.29
23 61 16 00-0012	EA	3 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,527.15	229.29
23 61 16 00-0013	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,830.85	243.63
23 61 16 00-0014	EA	4 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,893.92	257.96
23 61 16 00-0015	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Open Type.....	2,942.60	265.05
23 61 16 00-0016	EA	5 Ton Refrigerant Compressor, Reciprocating Open Type.....	4,590.32	1,387.54
23 61 16 00-0017	EA	7.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	6,797.41	1,585.69
23 61 16 00-0018	EA	10 Ton Refrigerant Compressor, Reciprocating Open Type.....	9,004.70	1,783.98
23 61 16 00-0019	EA	12.5 Ton Refrigerant Compressor, Reciprocating Open Type.....	11,794.79	1,932.51
23 61 16 00-0020	EA	15 Ton Refrigerant Compressor, Reciprocating Open Type.....	14,585.33	2,081.31
23 61 16 00-0021	EA	20 Ton Refrigerant Compressor, Reciprocating Open Type.....	17,502.40	2,497.57
23 61 16 00-0022	EA	25 Ton Refrigerant Compressor, Reciprocating Open Type.....	20,983.21	2,684.41
23 61 16 00-0023	EA	30 Ton Refrigerant Compressor, Reciprocating Open Type.....	24,316.91	2,838.17
23 61 16 00-0024	EA	50 Ton Refrigerant Compressor, Reciprocating Open Type.....	31,739.39	3,202.06
23 61 16 00-0025	EA	60 Ton Refrigerant Compressor, Reciprocating Open Type.....	37,309.53	3,286.03
23 61 16 00-0026	EA	70 Ton Refrigerant Compressor, Reciprocating Open Type.....	46,508.21	3,369.88
23 61 16 00-0027	EA	75 Ton Refrigerant Compressor, Reciprocating Open Type.....	48,812.40	3,411.93
23 61 16 00-0028	EA	80 Ton Refrigerant Compressor, Reciprocating Open Type.....	51,020.67	3,453.85
23 61 16 00-0029	EA	90 Ton Refrigerant Compressor, Reciprocating Open Type.....	55,155.07	3,537.70
23 61 16 00-0030	EA	100 Ton Refrigerant Compressor, Reciprocating Open Type.....	58,911.58	3,621.81
23 61 16 00-0031	EA	110 Ton Refrigerant Compressor, Reciprocating Open Type.....	63,107.86	4,063.94
23 61 16 00-0032	EA	120 Ton Refrigerant Compressor, Reciprocating Open Type.....	66,108.79	4,154.89
23 61 16 00-0033	EA	130 Ton Refrigerant Compressor, Reciprocating Open Type.....	68,674.78	4,207.78
23 61 16 00-0034	EA	140 Ton Refrigerant Compressor, Reciprocating Open Type.....	70,976.50	4,337.96
23 61 16 00-0035	EA	150 Ton Refrigerant Compressor, Reciprocating Open Type.....	72,839.04	4,428.91
23 61 16 00-0036	EA	175 Ton Refrigerant Compressor, Reciprocating Open Type.....	74,746.18	4,550.27
23 61 16 00-0037	EA	185 Ton Refrigerant Compressor, Reciprocating Open Type.....	76,543.33	4,599.21
23 61 16 00-0038	EA	200 Ton Refrigerant Compressor, Reciprocating Open Type.....	78,382.80	4,675.31
23 61 16 00-0039	EA	225 Ton Refrigerant Compressor, Reciprocating Open Type.....	80,598.57	4,990.62
23 61 16 00-0040	EA	250 Ton Refrigerant Compressor, Reciprocating Open Type.....	82,739.19	5,259.66

**23 61 16 00-0041 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16)**

Note: Includes automatic reversible oil pump, suction and discharge shut-off valves, device for loading and unloading compressor cylinders and crank case oil heater. Excludes mufflers and vibration isolators.

**23 61 16 00-0042 Reciprocating Hermetic Type Refrigerant Compressors <5 Tons (23 61 16 00-0041)**

23 61 16 00-0043	EA	1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,153.87	143.31
23 61 16 00-0044	EA	1/3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,190.78	143.31
23 61 16 00-0045	EA	1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,299.34	179.07
23 61 16 00-0046	EA	3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,336.23	179.07
23 61 16 00-0047	EA	1 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,354.68	179.07
23 61 16 00-0048	EA	1-1/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,398.54	186.30
23 61 16 00-0049	EA	1-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,439.14	186.30
23 61 16 00-0050	EA	1-3/4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,545.29	200.63
23 61 16 00-0051	EA	2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,647.78	214.96
23 61 16 00-0052	EA	2-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,787.13	229.29
23 61 16 00-0053	EA	3 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	1,860.95	229.29
23 61 16 00-0054	EA	3-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,000.30	243.63
23 61 16 00-0055	EA	4 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,361.13	257.96
23 61 16 00-0056	EA	4-1/2 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	2,578.41	265.05

**23 61 16 00-0057 Reciprocating Hermetic Type Refrigerant Compressors (23 61 16 00-0041)**

23 61 16 00-0058	EA	5 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	3,334.36	713.59
23 61 16 00-0059	EA	10 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	6,188.40	891.99
23 61 16 00-0060	EA	15 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	10,198.24	1,085.93
23 61 16 00-0061	EA	20 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	12,945.79	1,248.79
23 61 16 00-0062	EA	25 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	14,300.19	1,387.54
23 61 16 00-0063	EA	30 Ton Refrigerant Compressor, Reciprocating Hermetic Type.....	15,862.31	1,560.98

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 60 Central Cooling Equipment****23 61 Refrigerant Compressors**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 61 16 00-0064	EA	35 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	20,437.81	1,783.98
23 61 16 00-0065	EA	40 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	26,114.89	1,783.98
23 61 16 00-0066	EA	50 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	32,213.41	2,081.31
23 61 16 00-0067	EA	60 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	36,228.59	2,229.98
23 61 16 00-0068	EA	70 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	38,271.99	2,336.98
23 61 16 00-0069	EA	75 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	39,361.63	2,452.44
23 61 16 00-0070	EA	80 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	40,459.07	2,461.95
23 61 16 00-0071	EA	90 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	42,496.76	2,577.79
23 61 16 00-0072	EA	100 Ton Refrigerant Compressor, Reciprocating Hermetic Type .....	44,551.37	2,684.41

**23 61 19 Scroll Refrigerant Compressors (23 61)****23 61 19 00-0001 Scroll Refrigerant Compressors (23 61 19)**

23 61 19 00-0002	EA	Up To 3 Ton Scroll Refrigerant Compressor .....	1,558.29	229.02
23 61 19 00-0003	EA	3.5 Ton Scroll Refrigerant Compressor .....	1,635.40	243.76
23 61 19 00-0004	EA	4 Ton Scroll Refrigerant Compressor .....	1,678.76	257.82
23 61 19 00-0005	EA	4.5 Ton Scroll Refrigerant Compressor .....	1,712.55	265.19
23 61 19 00-0006	EA	5 Ton Scroll Refrigerant Compressor .....	2,124.29	334.83
23 61 19 00-0007	EA	7.5 Ton Scroll Refrigerant Compressor .....	3,989.35	502.25
23 61 19 00-0008	EA	8.75 Ton Scroll Refrigerant Compressor .....	4,569.13	585.96
23 61 19 00-0009	EA	10 Ton Scroll Refrigerant Compressor .....	5,124.61	669.67
23 61 19 00-0010	EA	12 Ton Scroll Refrigerant Compressor .....	6,190.99	803.60
23 61 19 00-0011	EA	13.5 Ton Scroll Refrigerant Compressor .....	7,281.88	904.04
23 61 19 00-0012	EA	15 Ton Scroll Refrigerant Compressor .....	8,518.10	1,004.49
23 61 19 00-0013	EA	20 Ton Scroll Refrigerant Compressor .....	11,973.47	1,339.32
23 61 19 00-0014	EA	25 Ton Scroll Refrigerant Compressor .....	13,566.21	1,674.16
23 61 19 00-0015	EA	30 Ton Scroll Refrigerant Compressor .....	14,595.15	2,008.98

**23 61 23 Rotary-Screw Refrigerant Compressors (23 61)****23 61 23 00-0001 Rotary Screw Type Refrigerant Compressors (23 61 23)**

23 61 23 00-0002	EA	75 Ton Refrigerant Compressor, Rotary Screw Type .....	46,176.90	3,411.93
23 61 23 00-0003	EA	80 Ton Refrigerant Compressor, Rotary Screw Type .....	47,563.53	3,453.85
23 61 23 00-0004	EA	90 Ton Refrigerant Compressor, Rotary Screw Type .....	50,567.24	3,537.70
23 61 23 00-0005	EA	100 Ton Refrigerant Compressor, Rotary Screw Type .....	53,541.05	3,621.81
23 61 23 00-0006	EA	110 Ton Refrigerant Compressor, Rotary Screw Type .....	57,837.94	4,063.94
23 61 23 00-0007	EA	120 Ton Refrigerant Compressor, Rotary Screw Type .....	61,320.57	4,154.89
23 61 23 00-0008	EA	130 Ton Refrigerant Compressor, Rotary Screw Type .....	64,716.20	4,207.78
23 61 23 00-0009	EA	140 Ton Refrigerant Compressor, Rotary Screw Type .....	68,256.96	4,337.96
23 61 23 00-0010	EA	150 Ton Refrigerant Compressor, Rotary Screw Type .....	71,743.67	4,428.91
23 61 23 00-0011	EA	170 Ton Refrigerant Compressor, Rotary Screw Type .....	76,636.09	4,550.27
23 61 23 00-0012	EA	185 Ton Refrigerant Compressor, Rotary Screw Type .....	80,063.44	4,599.21
23 61 23 00-0013	EA	200 Ton Refrigerant Compressor, Rotary Screw Type .....	81,673.32	4,675.31
23 61 23 00-0014	EA	215 Ton Refrigerant Compressor, Rotary Screw Type .....	91,601.12	4,990.62
23 61 23 00-0015	EA	225 Ton Refrigerant Compressor, Rotary Screw Type .....	101,367.30	5,259.66

**23 62 Packaged Compressor and Condenser Units (23 60)****23 62 13 Packaged Air-Cooled Refrigerant Compressor and Condenser Units (23 62)****23 62 13 00-0001 Combination Direct-Expansion Liquid Cooler And Compressors (23 62 13)**

Note: Shell and tube type. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0002	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	7,725.43	1,237.53
23 62 13 00-0003	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	16,689.62	1,325.93
23 62 13 00-0004	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	29,022.96	1,414.33
23 62 13 00-0005	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	34,326.13	1,502.72
23 62 13 00-0006	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	40,663.14	1,591.12
23 62 13 00-0007	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	45,066.40	1,767.91
23 62 13 00-0008	EA	30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	46,459.86	2,005.25
23 62 13 00-0009	EA	40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	50,075.76	2,326.91
23 62 13 00-0010	EA	50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	53,444.12	2,520.82
23 62 13 00-0011	EA	60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	61,198.80	2,714.73
23 62 13 00-0012	EA	75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	69,169.41	3,005.59
23 62 13 00-0013	EA	80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	73,080.57	3,118.10
23 62 13 00-0014	EA	90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	82,448.16	3,312.98
23 62 13 00-0015	EA	100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube .....	90,083.32	3,507.86

**23 62 13 00-0016 Direct-Expansion Liquid Cooler Shell And Tube Type (23 62 13)**

Note: For built-up systems. Chilled water temperature rise is 12 degree F. Rated by cooling capacity in tons. Excludes compressors. Includes power panel, factory wired and installed control panel, pressure and safety switches and gauges for oil pressure and high and low refrigerant pressure, flow switches, phase monitoring, sight glasses and filter dryers, start-up costs and equipment rigging. Units greater than 5 tons include dual compressors. Excludes motor starter, piping or power wiring.

23 62 13 00-0017	EA	1 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	7,391.56	1,237.53
23 62 13 00-0018	EA	5 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	14,789.31	1,325.93
23 62 13 00-0019	EA	10 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	22,875.20	1,414.33
23 62 13 00-0020	EA	15 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	24,698.43	1,502.72
23 62 13 00-0021	EA	20 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	26,521.66	1,591.12
23 62 13 00-0022	EA	25 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	31,396.70	1,767.91



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 62 13 00-0023	EA		30 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	35,595.62	2,005.25
23 62 13 00-0024	EA		40 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	45,604.48	2,326.91
23 62 13 00-0025	EA		50 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	51,119.75	2,520.82
23 62 13 00-0026	EA		60 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	55,266.21	2,714.73
23 62 13 00-0027	EA		75 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	63,585.12	3,005.59
23 62 13 00-0028	EA		80 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	67,319.16	3,118.10
23 62 13 00-0029	EA		90 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	73,813.26	3,312.98
23 62 13 00-0030	EA		100 Ton Chiller, Direct-Expansion Liquid Cooler Shell And Tube For Built-Up Systems .....	84,090.74	3,507.86

**23 62 13 00-0031 Packaged Chiller With Remote Air Cooled Condenser (23 62 13)**

Note: With remote air cooled condenser rated by cooling capacity, Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, vibration eliminators, phase monitoring for 3 phase units, start-up and equipment rigging. Units include dual compressors. Excludes piping and power wiring.

23 62 13 00-0032	EA		15 Ton Packaged Chiller With Remote Air Cooled Condensers .....	41,665.41	11,305.79
			<i>For Gas Fired Engine Driven, Add</i>	6,638.07	
23 62 13 00-0033	EA		20 Ton Packaged Chiller With Remote Air Cooled Condensers .....	46,521.74	11,916.89
			<i>For Gas Fired Engine Driven, Add</i>	7,517.72	
23 62 13 00-0034	EA		25 Ton Packaged Chiller With Remote Air Cooled Condensers .....	53,471.08	12,968.27
			<i>For Gas Fired Engine Driven, Add</i>	8,749.94	
23 62 13 00-0035	EA		30 Ton Packaged Chiller With Remote Air Cooled Condensers .....	59,342.76	13,778.86
			<i>For Gas Fired Engine Driven, Add</i>	9,802.76	
23 62 13 00-0036	EA		40 Ton Packaged Chiller With Remote Air Cooled Condensers .....	72,941.95	15,204.25
			<i>For Gas Fired Engine Driven, Add</i>	12,308.89	
23 62 13 00-0037	EA		50 Ton Packaged Chiller With Remote Air Cooled Condensers .....	79,845.35	15,747.19
			<i>For Gas Fired Engine Driven, Add</i>	13,608.16	
23 62 13 00-0038	EA		60 Ton Packaged Chiller With Remote Air Cooled Condensers .....	86,676.13	16,958.53
			<i>For Gas Fired Engine Driven, Add</i>	14,792.71	
23 62 13 00-0039	EA		70 Ton Packaged Chiller With Remote Air Cooled Condensers .....	104,018.08	18,145.05
			<i>For Gas Fired Engine Driven, Add</i>	18,049.22	
23 62 13 00-0040	EA		75 Ton Packaged Chiller With Remote Air Cooled Condensers .....	105,141.20	18,463.82
			<i>For Gas Fired Engine Driven, Add</i>	18,260.04	
23 62 13 00-0041	EA		80 Ton Packaged Chiller With Remote Air Cooled Condensers .....	107,329.79	19,266.67
			<i>For Gas Fired Engine Driven, Add</i>	18,577.40	
23 62 13 00-0042	EA		90 Ton Packaged Chiller With Remote Air Cooled Condensers .....	118,353.78	20,142.46
			<i>For Gas Fired Engine Driven, Add</i>	20,650.90	
23 62 13 00-0043	EA		100 Ton Packaged Chiller With Remote Air Cooled Condensers .....	130,239.10	21,101.65
			<i>For Gas Fired Engine Driven, Add</i>	22,884.16	
23 62 13 00-0044	EA		110 Ton Packaged Chiller With Remote Air Cooled Condensers .....	143,661.18	22,156.68
			<i>For Gas Fired Engine Driven, Add</i>	25,410.40	
23 62 13 00-0045	EA		120 Ton Packaged Chiller With Remote Air Cooled Condensers .....	154,961.34	23,322.86
			<i>For Gas Fired Engine Driven, Add</i>	27,495.59	
23 62 13 00-0046	EA		140 Ton Packaged Chiller With Remote Air Cooled Condensers .....	170,336.16	24,618.53
			<i>For Gas Fired Engine Driven, Add</i>	30,376.30	

**23 62 23 Packaged Water-Cooled Refrigerant Compressor and Condenser Units (23 62)**

**23 62 23 00-0001 Water Cooled Condensing Units (23 62 23)**

Note: Includes compressor, condenser and motor, and equipment rigging. Excludes piping and power wiring.

23 62 23 00-0002	EA		5 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor .....	8,603.53	967.49
23 62 23 00-0003	EA		10 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor .....	13,036.79	1,412.95
23 62 23 00-0004	EA		15 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor .....	14,905.88	1,531.28
23 62 23 00-0005	EA		20 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor .....	18,469.37	1,837.54
23 62 23 00-0006	EA		30 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor .....	19,992.32	2,161.89
23 62 23 00-0007	EA		60 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor .....	41,993.00	3,160.67
23 62 23 00-0008	EA		80 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor .....	52,093.30	3,814.65
23 62 23 00-0009	EA		120 Ton Water Cooled Condensing Unit With Compressor, Condenser And Motor .....	71,803.83	4,173.82

**23 63 Refrigerant Condensers (23 60)**

**23 63 13 Air-Cooled Refrigerant Condensers (23 63)**

**23 63 13 00-0001 Air Cooled Condensing Units (23 63 13)**

Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers and phase monitoring for 3 phase units and equipment rigging. Meets minimum NYC EER requirements. Excludes piping and power wiring.

23 63 13 00-0002	EA		6 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor .....	7,442.23	967.49
			<i>For &gt;10 To 25, Deduct</i>	-179.31	
			<i>For &gt;25 To 50, Deduct</i>	-298.84	
			<i>For &gt;50, Deduct</i>	-478.15	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,143.33	
			<i>For Winter Start Control, Add</i>	385.61	
23 63 13 00-0003	EA		7.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor .....	8,912.35	1,148.46
			<i>For &gt;10 To 25, Deduct</i>	-215.17	
			<i>For &gt;25 To 50, Deduct</i>	-358.61	
			<i>For &gt;50, Deduct</i>	-573.78	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,008.80	
			<i>For Winter Start Control, Add</i>	317.45	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 63 Refrigerant Condensers**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0004	EA		10 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	11,576.32	1,412.95
			<i>For &gt;10 To 25, Deduct</i>	-283.04	
			<i>For &gt;25 To 50, Deduct</i>	-471.73	
			<i>For &gt;50, Deduct</i>	-754.77	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,195.84	
			<i>For Winter Start Control, Add</i>	402.86	
23 63 13 00-0005	EA		12.5 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	14,285.39	1,470.03
			<i>For &gt;10 To 25, Deduct</i>	-361.74	
			<i>For &gt;25 To 50, Deduct</i>	-602.90	
			<i>For &gt;50, Deduct</i>	-964.65	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,400.89	
			<i>For Winter Start Control, Add</i>	463.89	
23 63 13 00-0006	EA		15 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	17,001.60	1,531.28
			<i>For &gt;10 To 25, Deduct</i>	-440.44	
			<i>For &gt;25 To 50, Deduct</i>	-734.07	
			<i>For &gt;50, Deduct</i>	-1,174.52	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,460.92	
			<i>For Winter Start Control, Add</i>	378.83	
23 63 13 00-0007	EA		20 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	21,894.13	1,837.54
			<i>For &gt;10 To 25, Deduct</i>	-573.30	
			<i>For &gt;25 To 50, Deduct</i>	-955.50	
			<i>For &gt;50, Deduct</i>	-1,528.80	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,842.63	
			<i>For Winter Start Control, Add</i>	469.51	
23 63 13 00-0008	EA		25 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	24,894.29	1,976.74
			<i>For &gt;10 To 25, Deduct</i>	-657.06	
			<i>For &gt;25 To 50, Deduct</i>	-1,095.09	
			<i>For &gt;50, Deduct</i>	-1,752.15	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	1,952.71	
			<i>For Winter Start Control, Add</i>	518.26	
23 63 13 00-0009	EA		30 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	28,536.11	2,157.71
			<i>For &gt;10 To 25, Deduct</i>	-758.14	
			<i>For &gt;25 To 50, Deduct</i>	-1,263.57	
			<i>For &gt;50, Deduct</i>	-2,021.71	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,079.75	
			<i>For Winter Start Control, Add</i>	579.19	
23 63 13 00-0010	EA		40 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	39,136.99	2,514.17
			<i>For &gt;10 To 25, Deduct</i>	-1,057.79	
			<i>For &gt;25 To 50, Deduct</i>	-1,762.98	
			<i>For &gt;50, Deduct</i>	-2,820.77	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,732.32	
			<i>For Winter Start Control, Add</i>	740.33	
23 63 13 00-0011	EA		50 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	47,534.94	3,160.67
			<i>For &gt;10 To 25, Deduct</i>	-1,279.82	
			<i>For &gt;25 To 50, Deduct</i>	-2,133.03	
			<i>For &gt;50, Deduct</i>	-3,412.84	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	2,925.02	
			<i>For Winter Start Control, Add</i>	700.74	
23 63 13 00-0012	EA		60 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	54,740.89	3,488.41
			<i>For &gt;10 To 25, Deduct</i>	-1,485.09	
			<i>For &gt;25 To 50, Deduct</i>	-2,475.15	
			<i>For &gt;50, Deduct</i>	-3,960.24	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	3,289.58	
			<i>For Winter Start Control, Add</i>	771.30	
23 63 13 00-0013	EA		80 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	70,866.51	3,814.65
			<i>For &gt;10 To 25, Deduct</i>	-1,949.51	
			<i>For &gt;25 To 50, Deduct</i>	-3,249.18	
			<i>For &gt;50, Deduct</i>	-5,198.69	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	4,070.07	
			<i>For Winter Start Control, Add</i>	913.21	
23 63 13 00-0014	EA		100 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	97,728.34	3,434.69
			<i>For &gt;10 To 25, Deduct</i>	-2,722.09	
			<i>For &gt;25 To 50, Deduct</i>	-4,536.82	
			<i>For &gt;50, Deduct</i>	-7,258.91	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	4,470.09	
			<i>For Winter Start Control, Add</i>	1,152.88	
23 63 13 00-0015	EA		120 Ton Air Cooled Condensing Unit With Compressor, Condenser, Fan And Motor	120,348.60	3,551.12
			<i>For &gt;10 To 25, Deduct</i>	-3,393.59	
			<i>For &gt;25 To 50, Deduct</i>	-5,655.98	
			<i>For &gt;50, Deduct</i>	-9,049.57	
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	5,200.84	
23 63 13 00-0016			<b>Air Cooled Condensing Units</b> <sup>(23 63 13)</sup>		
			Note: Includes compressor(s), condenser, fan, motors, discharge/suction gauges, sight glass, fan cycling controls, standard oil hi/low safety control switches, standard controls and liquid line filter dryers, 14 SEER, 1 or 3 phase and equipment rigging. Higher SEER ratings can be obtained by oversizing evaporators. Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping and power wiring.		
23 63 13 00-0017	EA		1.5 Ton, 14 SEER, Air Cooled Condensing Unit	2,318.81	411.70
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For &gt;10 To 25, Deduct</i>	-51.04	
			<i>For &gt;25 To 50, Deduct</i>	-85.06	
			<i>For &gt;50, Deduct</i>	-136.10	
			<i>For 15 SEER, Add</i>	408.30	
			<i>For 16 SEER, Add</i>	697.52	
			<i>For 18 SEER, Add</i>	1,463.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 63 13 00-0018	EA		2 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,495.81	457.66
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-54.29	
			For >25 To 50, Deduct	-90.48	
			For >50, Deduct	-144.77	
			For 15 SEER, Add	434.32	
			For 16 SEER, Add	741.96	
			For 18 SEER, Add	1,556.31	
23 63 13 00-0019	EA		2.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	2,650.78	503.43
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-56.88	
			For >25 To 50, Deduct	-94.80	
			For >50, Deduct	-151.68	
			For 15 SEER, Add	455.04	
			For 16 SEER, Add	777.36	
			For 18 SEER, Add	1,630.57	
23 63 13 00-0020	EA		3 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,040.91	548.93
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-66.53	
			For >25 To 50, Deduct	-110.88	
			For >50, Deduct	-177.40	
			For 15 SEER, Add	532.20	
			For 16 SEER, Add	909.18	
			For 18 SEER, Add	1,907.07	
23 63 13 00-0021	EA		3.5 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,221.61	594.97
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-69.89	
			For >25 To 50, Deduct	-116.48	
			For >50, Deduct	-186.37	
			For 15 SEER, Add	559.10	
			For 16 SEER, Add	955.14	
			For 18 SEER, Add	2,003.46	
23 63 13 00-0022	EA		4 Ton, 14 SEER, Air Cooled Condensing Unit.....	3,587.84	640.73
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-78.82	
			For >25 To 50, Deduct	-131.36	
			For >50, Deduct	-210.18	
			For 15 SEER, Add	630.53	
			For 16 SEER, Add	1,077.16	
			For 18 SEER, Add	2,259.41	
23 63 13 00-0023	EA		5 Ton, 14 SEER, Air Cooled Condensing Unit.....	4,044.95	686.15
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			For >10 To 25, Deduct	-90.47	
			For >25 To 50, Deduct	-150.79	
			For >50, Deduct	-241.26	
			For 15 SEER, Add	723.77	
			For 16 SEER, Add	1,236.44	
			For 18 SEER, Add	2,593.51	
23 63 13 00-0024			<b>Removal And Reinstallation Of AC Condensing Unit (23 63 13)</b>		
			Note: Includes storage and cleaning.		
23 63 13 00-0025	EA		Removal And Reinstallation Of Up To 5 Tons Air Cooled Condensing Unit .....	422.36	
23 63 13 00-0026	EA		Removal And Reinstallation Of 7.5 To 15 Tons Air Cooled Condensing Unit.....	1,583.83	
23 63 13 00-0027	EA		Removal And Reinstallation Of 20 To 40 Tons Air Cooled Condensing Unit.....	2,924.52	
<b>23 63 23</b>			<b>Water-Cooled Refrigerant Condensers (23 63)</b>		
23 63 23 00-0001			<b>Water Cooled Condensers (23 63 23)</b>		
			Note: Steel shell and copper tube type. Includes equipment rigging.		
23 63 23 00-0002	EA		15 Ton Water Cooled Condenser, Shell And Tube Type.....	10,592.77	526.36
			For Saddle Legs, Add	778.69	
23 63 23 00-0003	EA		20 Ton Water Cooled Condenser, Shell And Tube Type.....	13,778.33	707.17
			For Saddle Legs, Add	1,010.20	
23 63 23 00-0004	EA		25 Ton Water Cooled Condenser, Shell And Tube Type.....	18,017.08	883.95
			For Saddle Legs, Add	1,325.88	
			For Dual Compressor, Add	833.89	
23 63 23 00-0005	EA		30 Ton Water Cooled Condenser, Shell And Tube Type.....	18,960.23	1,075.47
			For Saddle Legs, Add	1,377.71	
			For Dual Compressor, Add	866.49	
23 63 23 00-0006	EA		40 Ton Water Cooled Condenser, Shell And Tube Type.....	22,678.12	1,375.49
			For Saddle Legs, Add	1,637.28	
			For Dual Compressor, Add	1,029.74	
23 63 23 00-0007	EA		50 Ton Water Cooled Condenser, Shell And Tube Type.....	25,898.86	1,546.92
			For Saddle Legs, Add	1,872.63	
			For Dual Compressor, Add	1,177.75	
23 63 23 00-0008	EA		60 Ton Water Cooled Condenser, Shell And Tube Type.....	31,479.91	1,767.91
			For Saddle Legs, Add	2,289.70	
			For Dual Compressor, Add	1,440.06	
23 63 23 00-0009	EA		75 Ton Water Cooled Condenser, Shell And Tube Type.....	38,824.00	2,062.56
			For Saddle Legs, Add	2,838.06	
			For Dual Compressor, Add	1,784.95	
23 63 23 00-0010	EA		100 Ton Water Cooled Condenser, Shell And Tube Type.....	42,793.53	2,661.24
			For Saddle Legs, Add	3,081.65	
			For Dual Compressor, Add	1,938.14	
23 63 23 00-0011	EA		150 Ton Water Cooled Condenser, Shell And Tube Type.....	61,670.17	3,172.86
			For Saddle Legs, Add	4,520.56	
			For Dual Compressor, Add	2,843.12	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

**23 64 Packaged Water Chillers** (23 60)

See CSI section 26 29 23 00-0000 for variable frequency motor controllers.

**23 64 13 Absorption Water Chillers** (23 64)

**23 64 13 16 Indirect-Fired Absorption Water Chillers** (23 64 13)

**23 64 13 16-0001 Packaged, Steam Driven, Water Cooled Absorption Chillers** (23 64 13 16)

Note: Includes refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, and all accessories, controls (water temperature controller with PE switches, flow switch, etc.) factory wired and installed control panel, and also includes start-up. Price includes closed transition starter. (rated by cooling capacity in tons). Units are factory assembled package type consisting of motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, controls, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Exclude piping and power wiring.

23 64 13 16-0002	EA	50 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	215,265.85	15,424.60
		<i>For Two Stage Unit, Add</i>	138,346.42	
23 64 13 16-0003	EA	100 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	270,921.07	17,716.48
		<i>For Two Stage Unit, Add</i>	175,471.57	
23 64 13 16-0004	EA	150 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	341,854.65	19,045.22
		<i>For Two Stage Unit, Add</i>	224,062.08	
23 64 13 16-0005	EA	200 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	379,347.47	20,373.95
		<i>For Two Stage Unit, Add</i>	249,244.07	
23 64 13 16-0006	EA	250 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	422,795.46	20,964.51
		<i>For Two Stage Unit, Add</i>	279,185.22	
23 64 13 16-0007	EA	300 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	475,363.68	21,702.69
		<i>For Two Stage Unit, Add</i>	315,392.42	
23 64 13 16-0008	EA	350 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	509,353.04	22,440.88
		<i>For Two Stage Unit, Add</i>	338,594.42	
23 64 13 16-0009	EA	400 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	604,609.49	23,621.98
		<i>For Two Stage Unit, Add</i>	404,329.06	
23 64 13 16-0010	EA	500 Ton Packaged, Steam Driven, Water Cooled Absorption Chiller.....	675,756.57	24,360.16
		<i>For Two Stage Unit, Add</i>	453,541.46	

**23 64 16 Centrifugal Water Chillers** (23 64)

**23 64 16 16 Water-Cooled Centrifugal Water Chillers** (23 64 16)

**23 64 16 16-0001 Packaged Water-Cooled Centrifugal Water Chillers** (23 64 16 16)

Note: Includes integral heat exchanger, refrigerant monitor with scanner, audible alarm, and lights, 460 voltage motor rating, controls (water temperature controller with PE switches, flow switch, etc.), start-up, and closed transition starter. Rated by cooling capacity in tons. Units are factory assembled package type consisting of compressor, motor, cooler, condenser, internal piping and wiring, motor starters, insulation, purge unit, factory wired and installed control panel, gauges, lubrication system, refrigerant charge, oil, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 16 16-0002	EA	180 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	161,859.04	8,423.45
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	5,933.12	
23 64 16 16-0003	EA	200 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	176,746.45	8,636.79
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	6,514.74	
23 64 16 16-0004	EA	225 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	194,724.96	8,856.32
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	7,219.95	
23 64 16 16-0005	EA	250 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	212,319.37	9,211.39
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	7,900.91	
23 64 16 16-0006	EA	275 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	229,572.87	9,731.51
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	8,557.63	
23 64 16 16-0007	EA	300 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	246,197.22	10,237.47
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	9,190.10	
23 64 16 16-0008	EA	325 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	262,302.74	10,798.79
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	9,798.25	
23 64 16 16-0009	EA	350 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	277,757.68	11,331.31
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	10,382.23	
23 64 16 16-0010	EA	375 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	292,529.33	11,816.90
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	10,941.90	
23 64 16 16-0011	EA	400 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	306,530.68	12,200.31
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	11,477.31	
23 64 16 16-0012	EA	425 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	320,280.75	12,804.73
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	11,988.48	
23 64 16 16-0013	EA	450 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	333,247.50	13,298.73
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	12,475.41	
23 64 16 16-0014	EA	475 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	345,597.77	13,786.37
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	12,938.09	
23 64 16 16-0015	EA	500 Ton Packaged Water-Cooled Centrifugal Water Chiller.....	357,165.34	14,164.03
		Note: Includes integral heat exchanger, controls, and 440/460 V motor.		
		<i>For 208/230 Voltage Motor Rating, Add</i>	13,376.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 16 16-0016	EA		550 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	378,073.60 14,180.58	14,666.30
23 64 16 16-0017	EA		600 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	396,262.60 14,887.65	14,985.20
23 64 16 16-0018	EA		650 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	412,702.91 15,497.67	15,725.88
23 64 16 16-0019	EA		700 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	426,736.52 16,010.71	16,477.80
23 64 16 16-0020	EA		750 Ton Packaged Water-Cooled Centrifugal Water Chiller..... Note: Includes integral heat exchanger, controls, and 440/460 V motor. For 208/230 Voltage Motor Rating, Add	438,470.40 16,426.90	17,305.01

**23 64 23 Scroll Water Chillers (23 64)**

**23 64 23 13 Air-Cooled Scroll Water Chillers (23 64 23)**

**23 64 23 13-0001 Packaged Air Cooled Scroll Water Chillers (23 64 23 13)**

Note: With integral heat exchanger. Rated by cooling capacity, tons. Units are factory assembled package type. Includes scroll compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, factory charge of refrigerant, start-up and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment.

23 64 23 13-0002	EA		10 Ton Packaged Air Cooled Scroll Water Chiller .....	26,565.81	2,192.04
23 64 23 13-0003	EA		15 Ton Packaged Air Cooled Scroll Water Chiller .....	38,633.25	2,220.15
23 64 23 13-0004	EA		18 Ton Packaged Air Cooled Scroll Water Chiller .....	42,144.46	2,374.71
23 64 23 13-0005	EA		22 Ton Packaged Air Cooled Scroll Water Chiller .....	46,335.18	2,543.33
23 64 23 13-0006	EA		25 Ton Packaged Air Cooled Scroll Water Chiller .....	47,142.86	2,711.95
23 64 23 13-0007	EA		30 Ton Packaged Air Cooled Scroll Water Chiller .....	49,767.68	2,908.67
23 64 23 13-0008	EA		40 Ton Packaged Air Cooled Scroll Water Chiller .....	56,829.98	3,147.54
23 64 23 13-0009	EA		45 Ton Packaged Air Cooled Scroll Water Chiller .....	61,040.60	3,414.53
23 64 23 13-0010	EA		50 Ton Packaged Air Cooled Scroll Water Chiller .....	64,421.73	3,512.89
23 64 23 13-0011	EA		55 Ton Packaged Air Cooled Scroll Water Chiller .....	67,282.51	3,667.45
23 64 23 13-0012	EA		60 Ton Packaged Air Cooled Scroll Water Chiller .....	69,543.79	3,793.92
23 64 23 13-0013	EA		80 Ton Packaged Air Cooled Scroll Water Chiller .....	86,352.61	4,679.16
23 64 23 13-0014	EA		90 Ton Packaged Air Cooled Scroll Water Chiller .....	87,892.27	4,693.21
23 64 23 13-0015	EA		100 Ton Packaged Air Cooled Scroll Water Chiller .....	92,884.85	4,707.27
23 64 23 13-0016	EA		110 Ton Packaged Air Cooled Scroll Water Chiller .....	97,741.93	4,721.31
23 64 23 13-0017	EA		120 Ton Packaged Air Cooled Scroll Water Chiller .....	102,659.36	4,735.37
23 64 23 13-0018	EA		130 Ton Packaged Air Cooled Scroll Water Chiller .....	107,832.84	4,749.42
23 64 23 13-0019	EA		70 Ton Packaged Air Cooled Scroll Water Chiller .....	80,187.60	4,271.67

**23 64 23 16 Water-Cooled Scroll Water Chillers (23 64 23)**

**23 64 23 16-0001 Packaged Water Cooled Scroll Water Chillers (23 64 23 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Units are factory assembled package type. Includes hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gauges, lead lag switch, compressor unloaders, removable core filter drier with 3 valve by-pass, sight glass, internal wiring, motor starters, insulation, fan cycling controls, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, refrigerant charge, vibration eliminators, phase monitoring for 3 phase units, start-up costs and equipment rigging. Units greater than 20 tons include dual compressors. Excludes piping and power wiring.

23 64 23 16-0002	EA		20 Ton Packaged Water Cooled Scroll Water Chiller .....	29,072.43	2,770.34
23 64 23 16-0003	EA		25 Ton Packaged Water Cooled Scroll Water Chiller .....	33,264.54	2,854.03
23 64 23 16-0004	EA		30 Ton Packaged Water Cooled Scroll Water Chiller .....	36,884.46	3,133.13
23 64 23 16-0005	EA		40 Ton Packaged Water Cooled Scroll Water Chiller .....	45,357.29	3,936.79
23 64 23 16-0006	EA		50 Ton Packaged Water Cooled Scroll Water Chiller .....	50,154.29	4,314.33
23 64 23 16-0007	EA		60 Ton Packaged Water Cooled Scroll Water Chiller .....	52,831.29	4,766.79

**23 64 26 Rotary-Screw Water Chillers (23 64)**

**23 64 26 13 Air-Cooled, Rotary-Screw Water Chillers (23 64 26)**

**23 64 26 13-0001 Packaged Air Cooled Rotary-Screw Water Chillers (23 64 26 13)**

Note: Includes hermetic direct-drive compressors start-up, coil guards, copper fins, copper tubes, factory wired and installed control panel, refrigerant monitor with scanner, audible alarm, and lights, phase monitoring for 3 phase units, 440/460 voltage motor rating, motor starters, factory charge of refrigerant and equipment rigging. Units greater than 20 tons include dual compressors. Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment.

23 64 26 13-0002	EA		70 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	108,801.93 -1,511.05 4,029.45	5,381.74
23 64 26 13-0003	EA		80 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	116,949.60 -1,622.93 4,327.82	5,845.44
23 64 26 13-0004	EA		90 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	123,010.62 -1,707.95 4,554.52	6,098.36
23 64 26 13-0005	EA		100 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... For Aluminum Fins Instead Of Copper, Deduct For 208/230 Voltage Motor Rating, Add	127,620.11 -1,766.76 4,711.36	6,562.07

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 64 Packaged Water Chillers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 64 26 13-0006	EA		110 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	136,920.82 -1,899.10 5,064.28	6,885.25
23 64 26 13-0007	EA		120 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	145,426.17 -2,023.31 5,395.50	7,025.77
23 64 26 13-0008	EA		130 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	153,470.62 -2,138.71 5,703.23	7,264.64
23 64 26 13-0009	EA		140 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	158,358.87 -2,208.45 5,889.20	7,419.22
23 64 26 13-0010	EA		160 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	167,148.72 -2,336.72 6,231.24	7,573.78
23 64 26 13-0011	EA		170 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	174,446.93 -2,440.92 6,509.12	7,812.66
23 64 26 13-0012	EA		180 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	183,922.67 -2,576.10 6,869.60	8,121.79
23 64 26 13-0013	EA		200 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	192,197.20 -2,696.63 7,191.03	8,290.41
23 64 26 13-0014	EA		215 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	205,905.20 -2,898.88 7,730.35	8,430.92
23 64 26 13-0015	EA		225 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	215,006.40 -3,033.71 8,089.90	8,515.23
23 64 26 13-0016	EA		240 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	224,107.59 -3,168.55 8,449.46	8,585.49
23 64 26 13-0017	EA		260 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	251,326.85 -3,573.04 9,528.11	8,754.11
23 64 26 13-0018	EA		280 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	265,048.92 -3,775.29 10,067.44	8,922.72
23 64 26 13-0019	EA		300 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	283,251.30 -4,044.95 10,786.54	9,063.24
23 64 26 13-0020	EA		325 Ton Packaged Air Cooled Rotary-Screw Water Chiller..... <i>For Aluminum Fins Instead Of Copper, Deduct</i> <i>For 208/230 Voltage Motor Rating, Add</i>	310,442.48 -4,449.45 11,865.19	9,217.81

**23 64 26 16 Water-Cooled, Rotary-Screw Water Chillers (23 64 26)**

**23 64 26 16-0001**

**Packaged Water Cooled Helical Rotary Water Chillers (23 64 26 16)**

Note: Integral heat exchanger. Rated by cooling capacity in tons. Factory assembled package type includes semi-hermetic compressor, motor, cooler, condenser, internal piping, oil, discharge/suction gages, lead-lag switch, compressor unloaders, removable core filter dryer, 3-valve by-pass, sight glass, internal wiring, motor starters, insulation, standard oil hi/low safety control switches, operation and safety controls, factory wired and installed control panel, full factory refrigerant charge, vibration eliminators, NEMA 1 flow switches, wye-delta starter, extended warranty on compressor(s), start-up costs and equipment rigging. Excludes piping and power wiring.

23 64 26 16-0002	EA		70 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	72,672.10	6,643.68
23 64 26 16-0003	EA		80 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	78,749.88	6,902.05
23 64 26 16-0004	EA		90 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	84,038.11	7,086.59
23 64 26 16-0005	EA		100 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	88,682.87	7,385.56
23 64 26 16-0006	EA		110 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	93,264.30	7,588.56
23 64 26 16-0007	EA		125 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	98,837.74	7,801.60
23 64 26 16-0008	EA		130 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	132,550.63	8,019.67
23 64 26 16-0009	EA		150 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	137,579.63	8,236.69
23 64 26 16-0010	EA		175 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	141,358.05	8,440.58
23 64 26 16-0011	EA		190 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	142,896.32	8,862.67
23 64 26 16-0012	EA		200 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	142,052.70	9,290.08
23 64 26 16-0013	EA		210 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	150,186.42	9,488.95
23 64 26 16-0014	EA		235 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	163,024.13	9,696.53
23 64 26 16-0015	EA		255 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	173,150.18	10,140.33
23 64 26 16-0016	EA		275 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	182,727.19	10,550.76
23 64 26 16-0017	EA		300 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	193,855.62	10,968.71
23 64 26 16-0018	EA		350 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	212,818.67	11,940.91
23 64 26 16-0019	EA		400 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	228,443.43	13,133.81
23 64 26 16-0020	EA		450 Ton Packaged Water Cooled Helical Rotary Water Chiller.....	240,750.18	14,447.80

**23 65 Cooling Towers (23 60)**

**23 65 13 Forced-Draft Cooling Towers (23 65)**

**23 65 13 16 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13)**

**23 65 13 16-0001 Closed-Circuit, Forced-Draft Cooling Towers (23 65 13 16)**

**23 65 13 16-0002 Blow-Thru Centrifugal Fan Type Galvanized Cooling Towers (23 65 13 16-0001)**

Note: Including 2-speed motor internal piping, vibration switch, basin, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Design temperature 95 degree F in, 85 degree F out. Excludes crane and associated personnel.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 13 16-0003	EA		50 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	21,466.76 10,780.75	2,332.56
23 65 13 16-0004	EA		75 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	29,493.46 15,141.50	2,852.46
23 65 13 16-0005	EA		100 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	37,053.57 18,775.46	3,583.14
23 65 13 16-0006	EA		125 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	42,698.30 21,757.62	4,004.69
23 65 13 16-0007	EA		150 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	48,781.58 24,918.59	4,510.55
23 65 13 16-0008	EA		175 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	54,844.14 28,033.41	5,058.55
23 65 13 16-0009	EA		200 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	61,539.73 31,494.32	5,634.66
23 65 13 16-0010	EA		225 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	67,306.51 34,263.05	6,351.29
23 65 13 16-0011	EA		250 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	73,366.87 37,216.37	7,053.87
23 65 13 16-0012	EA		275 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	80,508.46 40,261.97	8,346.61
23 65 13 16-0013	EA		300 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	87,545.74 43,607.53	9,245.92
23 65 13 16-0014	EA		325 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	92,262.39 45,914.80	9,836.07
23 65 13 16-0015	EA		350 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	97,778.47 48,625.85	10,412.20
23 65 13 16-0016	EA		375 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	103,111.88 51,336.90	10,918.04
23 65 13 16-0017	EA		400 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	109,200.33 54,509.41	11,423.90
23 65 13 16-0018	EA		425 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	115,677.77 57,797.27	12,042.17
23 65 13 16-0019	EA		450 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	123,006.38 61,604.29	12,660.43
23 65 13 16-0020	EA		475 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	130,112.40 65,353.61	13,194.40
23 65 13 16-0021	EA		500 Ton Blow-Thru Centrifugal Fan Type Cooling Tower <i>For Stainless Steel Cooling Tower, Add</i>	137,232.46 69,102.93	13,728.35

**23 65 14 Induced-Draft Cooling Towers (23 65)**

**23 65 14 13 Open-Circuit, Induced-Draft Counterflow Cooling Towers (23 65 14)**

**23 65 14 13-0001 Galvanized Induced Draft Axial Single Flow Propeller Type Cooling Towers**

(23 65 14 13)

Note: Includes internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.

23 65 14 13-0002	EA		10 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	11,041.79 2,604.34	1,573.77
23 65 14 13-0003	EA		20 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	13,055.49 3,149.43	1,700.24
23 65 14 13-0004	EA		30 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	15,585.37 3,815.66	1,911.01
23 65 14 13-0005	EA		40 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	17,293.67 4,239.62	2,107.73
23 65 14 13-0006	EA		50 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	20,457.32 5,087.54	2,332.56
23 65 14 13-0007	EA		60 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	23,761.80 5,998.80	2,515.23
23 65 14 13-0008	EA		75 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	27,272.70 6,904.52	2,852.46
23 65 14 13-0009	EA		100 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	34,025.27 8,479.24	3,583.14
23 65 14 13-0010	EA		125 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	37,122.38 9,206.03	4,004.69
23 65 14 13-0011	EA		150 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	56,351.68 14,730.32	4,510.55
23 65 14 13-0012	EA		200 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	68,226.03 17,753.05	5,634.66
23 65 14 13-0013	EA		300 Ton Induced Draft Axial Single Flow Propeller Type Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	88,687.46 22,146.28	9,245.92

**23 65 14 13-0014 Galvanized Induced Draft Double Flow Propeller Type Packaged Cooling Towers (23 65 14 13)**

Note: 3 GPM/ton draft. Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel.

23 65 14 13-0015	EA		100 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	34,025.27 8,479.24	3,583.14
23 65 14 13-0016	EA		150 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	45,272.59 11,406.60	4,510.55
23 65 14 13-0017	EA		200 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	57,502.00 14,535.84	5,634.66
23 65 14 13-0018	EA		250 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	68,310.09 17,091.15	7,053.87
23 65 14 13-0019	EA		300 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	81,364.16 19,949.29	9,245.92

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 65 Cooling Towers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 13-0020	EA		350 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	90,712.43 22,193.12	10,412.20
23 65 14 13-0021	EA		400 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	101,124.87 24,832.07	11,423.90
23 65 14 13-0022	EA		450 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	114,546.36 28,264.14	12,660.43
23 65 14 13-0023	EA		500 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	129,060.86 32,099.99	13,728.35
23 65 14 13-0024	EA		550 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	138,145.81 34,551.47	14,473.08
23 65 14 13-0025	EA		600 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	147,955.65 37,220.41	14,866.53
23 65 14 13-0026	EA		700 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	167,451.98 43,001.87	15,372.38
23 65 14 13-0027	EA		800 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	183,672.60 47,126.12	16,946.15
23 65 14 13-0028	EA		900 Ton Induced Draft Double Flow Propeller Type Packaged Cooling Tower <i>For Stainless Steel Support Structure, Add</i>	202,905.98 52,086.77	18,660.44
<b>23 65 14 14 Open-Circuit, Induced-Draft Crossflow Cooling Towers (23 65 14)</b>					
<b>23 65 14 14-0001 Galvanized Induced Draft Crossflow Film Filled Propeller Type Cooling Towers (23 65 14 14)</b>					
Note: Includes fan, 2-speed motor, geared speed reducer, louvers, drift eliminators, hot water distribution system, cold water collection basin, float valve and access door, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment.					
23 65 14 14-0002	EA		10 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	9,431.53 1,060.63 2,121.26	1,573.77
23 65 14 14-0003	EA		15 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	10,157.63 1,165.33 2,330.66	1,601.87
23 65 14 14-0004	EA		20 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	11,050.08 1,265.47 2,530.95	1,742.39
23 65 14 14-0005	EA		25 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	12,875.98 1,520.39 3,040.78	1,826.70
23 65 14 14-0006	EA		30 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	14,550.14 1,752.54 3,505.09	1,911.01
23 65 14 14-0007	EA		35 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	16,191.72 1,975.60 3,951.19	2,009.37
23 65 14 14-0008	EA		40 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	17,697.86 2,180.44 4,360.88	2,107.73
23 65 14 14-0009	EA		45 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	19,369.78 2,408.04 4,816.09	2,220.15
23 65 14 14-0010	EA		50 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	21,009.12 2,626.54 5,253.08	2,332.56
23 65 14 14-0011	EA		60 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	24,219.76 3,068.09 6,136.19	2,515.23
23 65 14 14-0012	EA		70 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	27,701.28 3,546.06 7,092.12	2,711.95
23 65 14 14-0013	EA		75 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	29,324.32 3,760.01 7,520.01	2,852.46
23 65 14 14-0014	EA		80 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	31,115.98 3,973.95 7,947.91	3,091.34
23 65 14 14-0015	EA		90 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	32,452.43 4,119.62 8,239.24	3,330.22
23 65 14 14-0016	EA		100 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	34,955.04 4,379.09 8,758.17	3,583.14
23 65 14 14-0017	EA		125 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	36,448.88 4,501.99 9,003.98	4,004.69
23 65 14 14-0018	EA		150 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	42,301.50 5,257.64 10,515.27	4,510.55
23 65 14 14-0019	EA		175 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	46,753.65 5,794.78 11,589.56	5,058.55
23 65 14 14-0020	EA		200 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	49,289.44 6,036.04 12,072.08	5,634.66
23 65 14 14-0021	EA		225 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	56,935.95 7,010.18 14,020.36	6,351.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 65 14 14-0022	EA		250 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	62,444.11 7,665.68 15,331.36	7,053.87
23 65 14 14-0023	EA		275 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	66,967.80 8,034.39 16,068.79	8,346.61
23 65 14 14-0024	EA		300 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	72,313.59 8,617.06 17,234.12	9,245.92
23 65 14 14-0025	EA		350 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	82,618.93 9,882.53 19,765.07	10,412.20
23 65 14 14-0026	EA		400 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	91,062.97 10,906.75 21,813.50	11,423.90
23 65 14 14-0027	EA		450 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	100,661.34 12,049.32 24,098.63	12,660.43
23 65 14 14-0028	EA		500 Ton Induced Draft Crossflow Film Filled Propeller Type Cooling Tower..... <i>For Polymer Coating Over Galvanized Components, Add</i> <i>For Stainless Steel Support Structure, Add</i>	109,672.99 13,141.81 26,283.62	13,728.35
<b>23 65 14 14-0029</b>			<b>Induced Draft Crossflow Stainless Steel Propeller Type Cooling Towers</b> <sup>(23 65 14 14)</sup> Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment.		
23 65 14 14-0030	EA		100 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	92,234.47 4,323.67	3,583.14
23 65 14 14-0031	EA		125 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	104,526.25 4,904.53	3,976.58
23 65 14 14-0032	EA		150 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	114,269.28 5,350.93	4,510.55
23 65 14 14-0033	EA		200 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	127,182.64 5,906.67	5,634.66
23 65 14 14-0034	EA		250 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	144,227.83 6,644.41	7,053.87
23 65 14 14-0035	EA		300 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	165,877.96 7,550.57	9,245.92
23 65 14 14-0036	EA		350 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	180,803.83 8,203.42	10,412.20
23 65 14 14-0037	EA		400 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	195,476.79 8,856.27	11,423.90
23 65 14 14-0038	EA		500 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	225,757.69 10,184.84	13,728.35
23 65 14 14-0039	EA		600 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	254,838.97 11,547.57	14,866.53
23 65 14 14-0040	EA		750 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	315,153.35 14,422.77	16,159.27
23 65 14 14-0041	EA		1,000 Ton Induced Draft Crossflow Stainless Steel Propeller Type Cooling Tower..... <i>For Induced Draft Counter Flow Type, Add</i>	408,708.54 18,817.39	20,627.67
<b>23 65 14 16</b>			<b>Closed-Circuit, Induced-Draft Counterflow Cooling Towers</b> <sup>(23 65 14)</sup>		
23 65 14 16-0001			<b>Stainless Steel Packaged Propeller Type Cooling Towers</b> <sup>(23 65 14 16)</sup> Note: Including internal piping, fan, motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping or power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 79 degree F wet Bulb. 3 GPM/ton.		
23 65 14 16-0002			<b>Draw-Thru Stainless Steel Propeller Type Cooling Towers</b> <sup>(23 65 14 16-0001)</sup> Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment.		
23 65 14 16-0003	EA		50 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	38,930.27	2,332.56
23 65 14 16-0004	EA		75 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	55,218.03	2,852.46
23 65 14 16-0005	EA		100 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	65,196.84	3,583.14
23 65 14 16-0006	EA		125 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	73,893.86	4,004.69
23 65 14 16-0007	EA		150 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	81,092.49	4,510.55
23 65 14 16-0008	EA		200 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	97,297.27	5,634.66
23 65 14 16-0009	EA		250 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	114,618.64	7,053.87
23 65 14 16-0010	EA		300 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	136,101.25	9,245.92
23 65 14 16-0011	EA		350 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	149,071.28	10,412.20
23 65 14 16-0012	EA		400 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	168,910.01	11,423.90
23 65 14 16-0013	EA		500 Ton Draw-Thru Stainless Steel Propeller Type Cooling Tower.....	195,926.65	13,728.35
23 65 14 16-0014			<b>Belt Driven Stainless Steel Propeller Type Cooling Towers</b> <sup>(23 65 14 16-0001)</sup> Note: Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment.		
23 65 14 16-0015	EA		100 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	67,872.53	3,583.14
23 65 14 16-0016	EA		125 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	73,477.34	4,004.69
23 65 14 16-0017	EA		150 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	79,227.21	4,510.55
23 65 14 16-0018	EA		200 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	93,770.43	5,634.66
23 65 14 16-0019	EA		250 Ton Belt Driven Stainless Steel Propeller Type Cooling Tower.....	103,576.31	7,053.87
23 65 14 16-0020			<b>Fiberglass Packaged Draw-Thru Propeller Type Cooling Towers</b> <sup>(23 65 14 16)</sup> Note: Includes internal piping, fan, 2-speed motor, vibration switch, start-up costs and equipment rigging. Excludes motor starter, piping and power wiring. Rated by cooling capacity in tons. Based on design water temperature 95 degree F in, 85 degree F out 78 degree F wet bulb. 3 GPM/ton. Excludes crane and associated personnel.		
23 65 14 16-0021	EA		5 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower.....	4,894.38	1,461.36

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 60 Central Cooling Equipment**

**23 65 Cooling Towers**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

23 65 14 16-0022	EA	8 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	5,151.31	1,531.62
23 65 14 16-0023	EA	10 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	5,915.61	1,573.77
23 65 14 16-0024	EA	15 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	6,622.91	1,601.87
23 65 14 16-0025	EA	20 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	8,552.95	1,742.39
23 65 14 16-0026	EA	25 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	9,040.69	1,826.70
23 65 14 16-0027	EA	30 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	10,164.27	1,911.01
23 65 14 16-0028	EA	40 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	11,687.69	2,107.73
23 65 14 16-0029	EA	50 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	13,036.50	2,332.56
23 65 14 16-0030	EA	60 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	14,575.16	2,515.23
23 65 14 16-0031	EA	70 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	16,748.87	2,711.95
23 65 14 16-0032	EA	80 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	18,279.16	3,091.34
23 65 14 16-0033	EA	100 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	22,163.69	3,583.14
23 65 14 16-0034	EA	125 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	27,245.04	4,004.69
23 65 14 16-0035	EA	150 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	30,603.42	4,510.55
23 65 14 16-0036	EA	175 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	37,009.34	5,058.55
23 65 14 16-0037	EA	200 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	41,274.92	5,634.66
23 65 14 16-0038	EA	225 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	45,664.17	6,351.29
23 65 14 16-0039	EA	250 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	49,865.96	7,053.87
23 65 14 16-0040	EA	300 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	60,025.91	9,245.92
23 65 14 16-0041	EA	350 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	68,180.94	10,412.20
23 65 14 16-0042	EA	400 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	75,721.79	11,423.90
23 65 14 16-0043	EA	500 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	92,003.75	13,447.33
23 65 14 16-0044	EA	600 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	104,813.22	14,866.53
23 65 14 16-0045	EA	700 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	109,530.33	11,423.90
23 65 14 16-0046	EA	800 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	126,528.64	16,946.15
23 65 14 16-0047	EA	1,000 Ton Draw-Thru Fiberglass Packaged Propeller Type Cooling Tower .....	142,903.52	14,121.80

**23 65 43 Cooling Tower Basins and Accessories (23 65)**

**23 65 43 00-0001 Fiberglass Cooling Tower Remote Sump Basins (23 65 43)**

Note: Includes one inlet sleeve. Excludes cover, excavation, backfill, concrete cut and concrete patch. Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment.

23 65 43 00-0002	EA	30" Diameter x 30" Depth, 92 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,548.20	
		<i>For Anti-Flotation Flanges, Add</i>	115.00	
		<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0003	EA	30" Diameter x 36" Depth, 110 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,754.10	
		<i>For Anti-Flotation Flanges, Add</i>	115.00	
		<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0004	EA	36" Diameter x 30" Depth, 132 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	1,713.57	
		<i>For Anti-Flotation Flanges, Add</i>	253.00	
		<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0005	EA	36" Diameter x 36" Depth, 159 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,013.48	
		<i>For Anti-Flotation Flanges, Add</i>	253.00	
		<i>For Perforated Basins, Add</i>	80.00	
23 65 43 00-0006	EA	42" Diameter x 30" Depth, 180 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,189.65	
		<i>For Anti-Flotation Flanges, Add</i>	276.00	
		<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0007	EA	42" Diameter x 36" Depth, 216 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,428.24	
		<i>For Anti-Flotation Flanges, Add</i>	276.00	
		<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0008	EA	42" Diameter x 42" Depth, 252 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,666.81	
		<i>For Anti-Flotation Flanges, Add</i>	276.00	
		<i>For Perforated Basins, Add</i>	100.00	
23 65 43 00-0009	EA	48" Diameter x 36" Depth, 282 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,682.73	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0010	EA	48" Diameter x 42" Depth, 329 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	2,959.94	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0011	EA	48" Diameter x 48" Depth, 376 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,380.63	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0012	EA	48" Diameter x 54" Depth, 423 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	3,804.30	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	
23 65 43 00-0013	EA	48" Diameter x 60" Depth, 470 Gallon Capacity, Fiberglass Cooling Tower Sump Basin.....	4,075.57	
		<i>For Anti-Flotation Flanges, Add</i>	294.00	
		<i>For Perforated Basins, Add</i>	140.00	

**23 70 Central HVAC Equipment (23)**

**23 71 Thermal Storage (23 70)**

**23 71 13 Thermal Heat Storage (23 71)**

**23 71 13 23 Pressurized-Water Thermal Storage Tanks (23 71 13)**

**23 71 13 23-0001 Nickelshield Storage Tanks (23 71 13 23)**

23 71 13 23-0002	EA	325 Gallon Nickelshield Storage Tank.....	30,698.34	267.59
23 71 13 23-0003	EA	490 Gallon Nickelshield Storage Tank.....	42,834.60	354.78
23 71 13 23-0004	EA	605 Gallon Nickelshield Storage Tank.....	49,045.13	429.12
23 71 13 23-0005	EA	740 Gallon Nickelshield Storage Tank.....	58,077.34	536.40
23 71 13 23-0006	EA	940 Gallon Nickelshield Storage Tank.....	67,591.69	713.05
23 71 13 23-0007	EA	1,505 Gallon Nickelshield Storage Tank.....	87,369.65	1,072.93
23 71 13 23-0008	EA	1,615 Gallon Nickelshield Storage Tank.....	98,662.14	1,208.48
23 71 13 23-0009	EA	2,275 Gallon Nickelshield Storage Tank.....	135,476.00	1,605.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 71	13 23-0010	EA	3,815 Gallon Nickelshield Storage Tank.....	175,241.95	1,866.08
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**23 72 Air-To-Air Energy Recovery Equipment** (23 70)

**23 72 13 Heat-Wheel Air-To-Air Energy-Recovery Equipment** (23 72)

23 72 13 00-0001	<b>Enthalpy Recovery Wheel</b> <small>(23 72 13)</small>				
23 72 13 00-0002	EA	Up To 1,000 CFM Enthalpy Recovery Wheel.....	11,241.93	1,007.31	
23 72 13 00-0003	EA	>1,000 To 2,000 CFM Enthalpy Recovery Wheel.....	12,514.92	1,209.06	
23 72 13 00-0004	EA	>2,000 To 4,000 CFM Enthalpy Recovery Wheel.....	15,659.39	1,511.33	
23 72 13 00-0005	EA	>4,000 To 6,000 CFM Enthalpy Recovery Wheel.....	18,296.83	1,726.69	
23 72 13 00-0006	EA	>6,000 To 8,000 CFM Enthalpy Recovery Wheel.....	20,207.56	1,813.60	
23 72 13 00-0007	EA	>8,000 To 10,000 CFM Enthalpy Recovery Wheel.....	24,487.54	2,015.37	
23 72 13 00-0008	EA	>10,000 To 15,000 CFM Enthalpy Recovery Wheel.....	32,312.67	2,115.86	
23 72 13 00-0009	EA	>15,000 To 20,000 CFM Enthalpy Recovery Wheel.....	40,105.87	2,267.00	
23 72 13 00-0010	EA	>20,000 To 25,000 CFM Enthalpy Recovery Wheel.....	48,508.82	2,590.42	
23 72 13 00-0011	EA	>25,000 To 30,000 CFM Enthalpy Recovery Wheel.....	54,524.47	3,324.93	
23 72 13 00-0012	EA	>30,000 To 40,000 CFM Enthalpy Recovery Wheel.....	72,813.00	3,778.33	
23 72 13 00-0013	EA	>40,000 To 50,000 CFM Enthalpy Recovery Wheel.....	86,619.50	4,534.00	

**23 72 16 Heat-Pipe Air-To-Air Energy-Recovery Equipment** (23 72)

23 72 16 00-0001	<b>Glycol Heat Pipe Type, 50 Percent Efficient</b> <small>(23 72 16)</small>				
23 72 16 00-0002	EA	100 MBH, 1,700 CFM Glycol Heat Recovery Unit.....	19,859.64	755.67	
23 72 16 00-0003	EA	160 MBH, 2,700 CFM Glycol Heat Recovery Unit.....	31,156.54	1,007.61	
23 72 16 00-0004	EA	620 MBH, 4,000 CFM Glycol Heat Recovery Unit.....	46,195.16	1,511.33	

**23 73 Indoor Central-Station Air-Handling Units** (23 70)

**23 73 13 Modular Indoor Central-Station Air-Handling Units** (23 73)

Note: Sized by CFM. Includes motor drive vibration isolators. Use modifiers for Filters and heating and cooling coils. Includes double wall insulated casing, fan section, fan motor, internal dampers, starter, vibration isolators and equipment rigging. Variable speed drives are included on units with 10 HP or greater fans. Modifiers include cooling coil sections with 6 row aluminum fin coil and drain pan, heating coil section with 1 row aluminum fin coil, and filter section with replaceable filters.

23 73 13 00-0001	<b>Single Zone Units</b> <small>(23 73 13)</small>				
Note: Horizontal/vertical draw-thru fan, motor and cabinet.					
23 73 13 00-0002	EA	300 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	2,901.04	715.02	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	239.03		
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	447.42		
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	666.02		
		<i>For Manual Roll Filter, Add</i>	1,135.92		
		<i>For Automatic Roll Filter, Add</i>	1,229.89		
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	572.04		
		<i>For Electric Heating Coil, Add</i>	947.96		
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	947.96		
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	853.98		
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	760.00		
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	614.95		
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,135.92		
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,041.94		
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	760.00		
		<i>For Variable Air Volume, Add</i>	263.14		
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,355.02		
		<i>For 2 Coils, Independent Circuits, Add</i>	327.70		
23 73 13 00-0003	EA	500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	4,550.19	858.04	
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	393.78		
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	750.82		
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,120.10		
		<i>For Manual Roll Filter, Add</i>	1,951.45		
		<i>For Automatic Roll Filter, Add</i>	2,117.72		
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	953.83		
		<i>For Electric Heating Coil, Add</i>	1,618.91		
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,618.91		
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,452.64		
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,286.37		
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,058.86		
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	1,951.45		
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	1,785.18		
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,286.37		
		<i>For Variable Air Volume, Add</i>	465.56		
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,497.35		
		<i>For 2 Coils, Independent Circuits, Add</i>	521.53		



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0004	EA		800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....5,138.00	5,138.00	921.49
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	447.98	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	856.48	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,278.14	
			<i>For Manual Roll Filter, Add</i>	2,233.56	
			<i>For Automatic Roll Filter, Add</i>	2,424.64	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,087.05	
			<i>For Electric Heating Coil, Add</i>	1,851.39	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	1,851.39	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,660.30	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,469.22	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,212.32	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,233.56	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,042.47	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,469.22	
			<i>For Variable Air Volume, Add</i>	535.04	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,561.42	
			<i>For 2 Coils, Independent Circuits, Add</i>	590.23	
23 73 13 00-0005	EA		1,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....5,791.34	5,791.34	990.18
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	508.40	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	974.35	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,454.45	
			<i>For Manual Roll Filter, Add</i>	2,548.59	
			<i>For Automatic Roll Filter, Add</i>	2,767.42	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,235.62	
			<i>For Electric Heating Coil, Add</i>	2,110.93	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,110.93	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	1,892.11	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,673.28	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,383.71	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,548.59	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,329.76	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,673.28	
			<i>For Variable Air Volume, Add</i>	612.72	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,630.34	
			<i>For 2 Coils, Independent Circuits, Add</i>	666.67	
23 73 13 00-0006	EA		1,200 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....6,560.91	6,560.91	1,065.26
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	580.09	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,114.58	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,664.27	
			<i>For Manual Roll Filter, Add</i>	2,924.48	
			<i>For Automatic Roll Filter, Add</i>	3,176.53	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,412.22	
			<i>For Electric Heating Coil, Add</i>	2,420.40	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,420.40	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,168.35	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	1,916.31	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,588.26	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	2,924.48	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	2,672.44	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	1,916.31	
			<i>For Variable Air Volume, Add</i>	705.72	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,704.03	
			<i>For 2 Coils, Independent Circuits, Add</i>	756.91	
23 73 13 00-0007	EA		1,400 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....7,457.80	7,457.80	1,144.80
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	664.01	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,278.96	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	1,910.26	
			<i>For Manual Roll Filter, Add</i>	3,365.86	
			<i>For Automatic Roll Filter, Add</i>	3,656.98	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,619.14	
			<i>For Electric Heating Coil, Add</i>	2,783.62	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	2,783.62	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,492.50	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,201.38	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	1,828.49	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,365.86	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,074.74	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,201.38	
			<i>For Variable Air Volume, Add</i>	815.14	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,784.78	
			<i>For 2 Coils, Independent Circuits, Add</i>	862.23	
23 73 13 00-0008	EA		1,600 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan .....8,163.04	8,163.04	1,230.74
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	728.58	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	1,404.52	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	2,098.01	
			<i>For Manual Roll Filter, Add</i>	3,700.15	
			<i>For Automatic Roll Filter, Add</i>	4,020.58	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	1,777.59	
			<i>For Electric Heating Coil, Add</i>	3,059.30	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	3,059.30	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	2,738.87	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	2,418.44	
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,010.29	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	3,700.15	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	3,379.72	
			<i>For Hot Water Heating Coil, Copper Fins, Add</i>	2,418.44	
			<i>For Variable Air Volume, Add</i>	897.20	
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	1,868.14	
			<i>For 2 Coils, Independent Circuits, Add</i>	944.48	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0009	EA		1,800 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan..... 8,928.18		1,326.38
			For Flat Filter Box And Throwaway Filters, Add	798.10	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,539.36	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,299.57	
			For Manual Roll Filter, Add	4,058.01	
			For Automatic Roll Filter, Add	4,409.70	
			For Hot Water Heating Coil, Aluminum Fins, Add	1,947.88	
			For Electric Heating Coil, Add	3,354.64	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,354.64	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,002.95	
			For Steam Heating Coil, Aluminum Fins, Add	2,651.26	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,204.85	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,058.01	
			For Direct Expansion Cooling Coil, Copper Fins, Add	3,706.33	
			For Hot Water Heating Coil, Copper Fins, Add	2,651.26	
			For Variable Air Volume, Add	984.73	
			For Economizer, Panel, Controls And Damper(s), Add	1,791.93	
			For 2 Coils, Independent Circuits, Add	1,033.49	
23 73 13 00-0010	EA		2,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan..... 9,768.71		1,422.01
			For Flat Filter Box And Throwaway Filters, Add	875.29	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,689.64	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,524.30	
			For Manual Roll Filter, Add	4,458.59	
			For Automatic Roll Filter, Add	4,845.45	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,137.44	
			For Electric Heating Coil, Add	3,684.87	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,684.87	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,298.02	
			For Steam Heating Coil, Aluminum Fins, Add	2,911.16	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,422.72	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,458.59	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,071.73	
			For Hot Water Heating Coil, Copper Fins, Add	2,911.16	
			For Variable Air Volume, Add	1,083.20	
			For Economizer, Panel, Controls And Damper(s), Add	1,867.36	
			For 2 Coils, Independent Circuits, Add	1,131.61	
23 73 13 00-0011	EA		2,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan..... 10,545.92		1,528.49
			For Flat Filter Box And Throwaway Filters, Add	945.41	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,825.32	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,727.07	
			For Manual Roll Filter, Add	4,817.66	
			For Automatic Roll Filter, Add	5,235.78	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,308.95	
			For Electric Heating Coil, Add	3,981.42	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	3,981.42	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,563.30	
			For Steam Heating Coil, Aluminum Fins, Add	3,145.18	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,617.89	
			For Chilled Water Cooling Coil, Copper Fins, Add	4,817.66	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,399.54	
			For Hot Water Heating Coil, Copper Fins, Add	3,145.18	
			For Variable Air Volume, Add	1,170.73	
			For Economizer, Panel, Controls And Damper(s), Add	1,950.95	
			For 2 Coils, Independent Circuits, Add	1,221.84	
23 73 13 00-0012	EA		2,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan..... 11,375.95		1,644.69
			For Flat Filter Box And Throwaway Filters, Add	1,020.13	
			For Medium Capacity Filter Box And Throwaway Filters, Add	1,969.78	
			For Combination Filter Mixing Box And Throwaway Filters, Add	2,942.93	
			For Manual Roll Filter, Add	5,199.60	
			For Automatic Roll Filter, Add	5,650.93	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,491.60	
			For Electric Heating Coil, Add	4,296.93	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	4,296.93	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,845.60	
			For Steam Heating Coil, Aluminum Fins, Add	3,394.26	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	2,825.47	
			For Chilled Water Cooling Coil, Copper Fins, Add	5,199.60	
			For Direct Expansion Cooling Coil, Copper Fins, Add	4,748.26	
			For Hot Water Heating Coil, Copper Fins, Add	3,394.26	
			For Variable Air Volume, Add	1,263.73	
			For Economizer, Panel, Controls And Damper(s), Add	2,042.10	
			For 2 Coils, Independent Circuits, Add	1,318.13	
23 73 13 00-0013	EA		3,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan..... 13,231.14		1,903.76
			For Flat Filter Box And Throwaway Filters, Add	1,187.14	
			For Medium Capacity Filter Box And Throwaway Filters, Add	2,292.69	
			For Combination Filter Mixing Box And Throwaway Filters, Add	3,425.43	
			For Manual Roll Filter, Add	6,053.33	
			For Automatic Roll Filter, Add	6,578.90	
			For Hot Water Heating Coil, Aluminum Fins, Add	2,899.85	
			For Electric Heating Coil, Add	5,002.17	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	5,002.17	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,476.59	
			For Steam Heating Coil, Aluminum Fins, Add	3,951.01	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,289.45	
			For Chilled Water Cooling Coil, Copper Fins, Add	6,053.33	
			For Direct Expansion Cooling Coil, Copper Fins, Add	5,527.75	
			For Hot Water Heating Coil, Copper Fins, Add	3,951.01	
			For Variable Air Volume, Add	1,471.62	
			For Economizer, Panel, Controls And Damper(s), Add	2,245.76	
			For 2 Coils, Independent Circuits, Add	1,533.35	

## 23 Heating, Ventilating, and Air-Conditioning (HVAC)

## 23 70 Central HVAC Equipment

## 23 73 Indoor Central-Station Air-Handling Units

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0014	EA	3,250 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	13,864.91	2,045.87
		For Flat Filter Box And Throwaway Filters, Add	1,240.32	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,392.93	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,574.78	
		For Manual Roll Filter, Add	6,310.13	
		For Automatic Roll Filter, Add	6,857.20	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,027.70	
		For Electric Heating Coil, Add	5,215.99	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,215.99	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,668.92	
		For Steam Heating Coil, Aluminum Fins, Add	4,121.85	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,428.60	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,310.13	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,763.06	
		For Hot Water Heating Coil, Copper Fins, Add	4,121.85	
		For Variable Air Volume, Add	1,531.80	
		For Economizer, Panel, Controls And Damper(s), Add	2,357.92	
		For 2 Coils, Independent Circuits, Add	1,605.32	
23 73 13 00-0015	EA	3,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	14,512.30	2,198.71
		For Flat Filter Box And Throwaway Filters, Add	1,294.18	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,494.12	
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,725.48	
		For Manual Roll Filter, Add	6,568.30	
		For Automatic Roll Filter, Add	7,136.86	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,156.92	
		For Electric Heating Coil, Add	5,431.17	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,431.17	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,862.61	
		For Steam Heating Coil, Aluminum Fins, Add	4,294.05	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,568.43	
		For Chilled Water Cooling Coil, Copper Fins, Add	6,568.30	
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,999.73	
		For Hot Water Heating Coil, Copper Fins, Add	4,294.05	
		For Variable Air Volume, Add	1,591.98	
		For Economizer, Panel, Controls And Damper(s), Add	2,477.57	
		For 2 Coils, Independent Circuits, Add	1,678.66	
23 73 13 00-0016	EA	4,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,936.46	2,538.34
		For Flat Filter Box And Throwaway Filters, Add	1,412.28	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,715.74	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,055.47	
		For Manual Roll Filter, Add	7,132.74	
		For Automatic Roll Filter, Add	7,748.20	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,440.01	
		For Electric Heating Coil, Add	5,901.83	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,901.83	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,286.38	
		For Steam Heating Coil, Aluminum Fins, Add	4,670.92	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,874.10	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,132.74	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,517.29	
		For Hot Water Heating Coil, Copper Fins, Add	4,670.92	
		For Variable Air Volume, Add	1,723.27	
		For Economizer, Panel, Controls And Damper(s), Add	2,390.94	
		For 2 Coils, Independent Circuits, Add	1,839.83	
23 73 13 00-0017	EA	4,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	15,936.46	2,538.34
		For Flat Filter Box And Throwaway Filters, Add	1,412.28	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,715.74	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,055.47	
		For Manual Roll Filter, Add	7,132.74	
		For Automatic Roll Filter, Add	7,748.20	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,440.01	
		For Electric Heating Coil, Add	5,901.83	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,901.83	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,286.38	
		For Steam Heating Coil, Aluminum Fins, Add	4,670.92	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	3,874.10	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,132.74	
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,517.29	
		For Hot Water Heating Coil, Copper Fins, Add	4,670.92	
		For Variable Air Volume, Add	1,723.27	
		For Economizer, Panel, Controls And Damper(s), Add	2,390.94	
		For 2 Coils, Independent Circuits, Add	1,839.83	
23 73 13 00-0018	EA	5,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	17,490.94	2,915.52
		For Flat Filter Box And Throwaway Filters, Add	1,540.80	
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,956.63	
		For Combination Filter Mixing Box And Throwaway Filters, Add	4,414.11	
		For Manual Roll Filter, Add	7,745.38	
		For Automatic Roll Filter, Add	8,411.64	
		For Hot Water Heating Coil, Aluminum Fins, Add	3,747.86	
		For Electric Heating Coil, Add	6,412.88	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,412.88	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,746.62	
		For Steam Heating Coil, Aluminum Fins, Add	5,080.37	
		For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,205.82	
		For Chilled Water Cooling Coil, Copper Fins, Add	7,745.38	
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,079.13	
		For Hot Water Heating Coil, Copper Fins, Add	5,080.37	
		For Variable Air Volume, Add	1,865.51	
		For Economizer, Panel, Controls And Damper(s), Add	2,606.34	
		For 2 Coils, Independent Circuits, Add	2,015.60	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0019	EA		5,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	18,391.92	3,163.10
			For Flat Filter Box And Throwaway Filters, Add	1,613.20	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,090.82	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,613.62	
			For Manual Roll Filter, Add	8,081.66	
			For Automatic Roll Filter, Add	8,775.27	
			For Hot Water Heating Coil, Aluminum Fins, Add	3,920.02	
			For Electric Heating Coil, Add	6,694.45	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,694.45	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,000.84	
			For Steam Heating Coil, Aluminum Fins, Add	5,307.23	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,387.64	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,081.66	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,388.06	
			For Hot Water Heating Coil, Copper Fins, Add	5,307.23	
			For Variable Air Volume, Add	1,942.10	
			For Economizer, Panel, Controls And Damper(s), Add	2,747.90	
			For 2 Coils, Independent Circuits, Add	2,116.64	
23 73 13 00-0020	EA		6,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	19,274.11	3,398.17
			For Flat Filter Box And Throwaway Filters, Add	1,684.67	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,223.69	
			For Combination Filter Mixing Box And Throwaway Filters, Add	4,811.26	
			For Manual Roll Filter, Add	8,416.06	
			For Automatic Roll Filter, Add	9,137.03	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,090.30	
			For Electric Heating Coil, Add	6,974.14	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	6,974.14	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,253.18	
			For Steam Heating Coil, Aluminum Fins, Add	5,532.22	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,568.51	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,416.06	
			For Direct Expansion Cooling Coil, Copper Fins, Add	7,695.10	
			For Hot Water Heating Coil, Copper Fins, Add	5,532.22	
			For Variable Air Volume, Add	2,018.69	
			For Economizer, Panel, Controls And Damper(s), Add	2,881.95	
			For 2 Coils, Independent Circuits, Add	2,215.80	
23 73 13 00-0021	EA		6,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	20,161.96	3,637.69
			For Flat Filter Box And Throwaway Filters, Add	1,756.41	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,356.96	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,009.46	
			For Manual Roll Filter, Add	8,751.03	
			For Automatic Roll Filter, Add	9,499.35	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,261.14	
			For Electric Heating Coil, Add	7,254.40	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,254.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,506.09	
			For Steam Heating Coil, Aluminum Fins, Add	5,757.77	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,749.67	
			For Chilled Water Cooling Coil, Copper Fins, Add	8,751.03	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,002.72	
			For Hot Water Heating Coil, Copper Fins, Add	5,757.77	
			For Variable Air Volume, Add	2,095.28	
			For Economizer, Panel, Controls And Damper(s), Add	3,018.26	
			For 2 Coils, Independent Circuits, Add	2,315.52	
23 73 13 00-0022	EA		7,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	21,185.54	3,915.67
			For Flat Filter Box And Throwaway Filters, Add	1,838.85	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,509.89	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,236.86	
			For Manual Roll Filter, Add	9,134.74	
			For Automatic Roll Filter, Add	9,914.32	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,457.28	
			For Electric Heating Coil, Add	7,575.59	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,575.59	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,796.01	
			For Steam Heating Coil, Aluminum Fins, Add	6,016.44	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	4,957.16	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,134.74	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,355.17	
			For Hot Water Heating Coil, Copper Fins, Add	6,016.44	
			For Variable Air Volume, Add	2,182.81	
			For Economizer, Panel, Controls And Damper(s), Add	3,177.60	
			For 2 Coils, Independent Circuits, Add	2,430.38	
23 73 13 00-0023	EA		7,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	22,225.37	4,195.42
			For Flat Filter Box And Throwaway Filters, Add	1,922.11	
			For Medium Capacity Filter Box And Throwaway Filters, Add	3,663.95	
			For Combination Filter Mixing Box And Throwaway Filters, Add	5,465.89	
			For Manual Roll Filter, Add	9,520.07	
			For Automatic Roll Filter, Add	10,330.91	
			For Hot Water Heating Coil, Aluminum Fins, Add	4,655.05	
			For Electric Heating Coil, Add	7,898.40	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	7,898.40	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,087.56	
			For Steam Heating Coil, Aluminum Fins, Add	6,276.72	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	5,165.46	
			For Chilled Water Cooling Coil, Copper Fins, Add	9,520.07	
			For Direct Expansion Cooling Coil, Copper Fins, Add	8,709.24	
			For Hot Water Heating Coil, Copper Fins, Add	6,276.72	
			For Variable Air Volume, Add	2,270.35	
			For Economizer, Panel, Controls And Damper(s), Add	2,982.59	
			For 2 Coils, Independent Circuits, Add	2,546.87	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0024	EA	8,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	23,298.79	4,517.94
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,007.04	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,820.37	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	5,698.28	
		<i>For Manual Roll Filter, Add</i>	9,908.77	
		<i>For Automatic Roll Filter, Add</i>	10,750.87	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	4,856.18	
		<i>For Electric Heating Coil, Add</i>	8,224.57	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	8,224.57	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	7,382.47	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	6,540.37	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,375.43	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	9,908.77	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	9,066.67	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	6,540.37	
		<i>For Variable Air Volume, Add</i>	2,357.88	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,117.04	
		<i>For 2 Coils, Independent Circuits, Add</i>	2,666.72	
23 73 13 00-0025	EA	9,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	24,522.58	4,894.36
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,103.40	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	3,997.48	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	5,961.33	
		<i>For Manual Roll Filter, Add</i>	10,347.67	
		<i>For Automatic Roll Filter, Add</i>	11,224.93	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,084.06	
		<i>For Electric Heating Coil, Add</i>	8,593.13	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	8,593.13	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	7,715.86	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	6,838.60	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,612.47	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	10,347.67	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	9,470.40	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	6,838.60	
		<i>For Variable Air Volume, Add</i>	2,456.35	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,273.17	
		<i>For 2 Coils, Independent Circuits, Add</i>	2,803.17	
23 73 13 00-0026	EA	10,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,715.59	5,225.56
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,198.22	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,172.43	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,221.31	
		<i>For Manual Roll Filter, Add</i>	10,783.49	
		<i>For Automatic Roll Filter, Add</i>	11,695.92	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,308.87	
		<i>For Electric Heating Coil, Add</i>	8,958.61	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	8,958.61	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,046.18	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,133.74	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,847.96	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	10,783.49	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	9,871.05	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	7,133.74	
		<i>For Variable Air Volume, Add</i>	2,554.82	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,420.06	
		<i>For 2 Coils, Independent Circuits, Add</i>	2,936.53	
23 73 13 00-0027	EA	11,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	25,803.99	5,059.70
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,220.22	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,224.33	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,300.48	
		<i>For Manual Roll Filter, Add</i>	10,950.59	
		<i>For Automatic Roll Filter, Add</i>	11,880.61	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,370.46	
		<i>For Electric Heating Coil, Add</i>	9,090.55	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,090.55	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,160.53	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,230.50	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,940.30	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	10,950.59	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	10,020.57	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	7,230.50	
		<i>For Variable Air Volume, Add</i>	2,604.06	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,341.07	
		<i>For 2 Coils, Independent Circuits, Add</i>	2,952.41	
23 73 13 00-0028	EA	12,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	26,969.90	5,613.59
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	2,296.10	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	4,351.67	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	6,487.41	
		<i>For Manual Roll Filter, Add</i>	11,225.44	
		<i>For Automatic Roll Filter, Add</i>	12,173.05	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	5,539.81	
		<i>For Electric Heating Coil, Add</i>	9,330.23	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	9,330.23	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	8,382.62	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	7,435.02	
		<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	6,086.52	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	11,225.44	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	10,277.83	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	7,435.02	
		<i>For Variable Air Volume, Add</i>	2,653.30	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,585.34	
		<i>For 2 Coils, Independent Circuits, Add</i>	3,076.03	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0029	EA		13,700 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	28,389.93	5,839.09
			For Flat Filter Box And Throwaway Filters, Add	2,423.76	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,598.39	
			For Combination Filter Mixing Box And Throwaway Filters, Add	6,856.06	
			For Manual Roll Filter, Add	11,877.39	
			For Automatic Roll Filter, Add	12,881.66	
			For Hot Water Heating Coil, Aluminum Fins, Add	5,851.79	
			For Electric Heating Coil, Add	9,868.86	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	9,868.86	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,864.59	
			For Steam Heating Coil, Aluminum Fins, Add	7,860.33	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,440.83	
			For Chilled Water Cooling Coil, Copper Fins, Add	11,877.39	
			For Direct Expansion Cooling Coil, Copper Fins, Add	10,873.13	
			For Hot Water Heating Coil, Copper Fins, Add	7,860.33	
			For Variable Air Volume, Add	2,811.95	
			For Economizer, Panel, Controls And Damper(s), Add	3,060.92	
			For 2 Coils, Independent Circuits, Add	3,240.70	
23 73 13 00-0030	EA		15,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	29,889.74	6,065.21
			For Flat Filter Box And Throwaway Filters, Add	2,555.41	
			For Medium Capacity Filter Box And Throwaway Filters, Add	4,850.69	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,232.68	
			For Manual Roll Filter, Add	12,537.32	
			For Automatic Roll Filter, Add	13,598.25	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,171.76	
			For Electric Heating Coil, Add	10,415.47	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	10,415.47	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,354.54	
			For Steam Heating Coil, Aluminum Fins, Add	8,293.61	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	6,799.12	
			For Chilled Water Cooling Coil, Copper Fins, Add	12,537.32	
			For Direct Expansion Cooling Coil, Copper Fins, Add	11,476.39	
			For Hot Water Heating Coil, Copper Fins, Add	8,293.61	
			For Variable Air Volume, Add	2,970.60	
			For Economizer, Panel, Controls And Damper(s), Add	3,134.24	
			For 2 Coils, Independent Circuits, Add	3,413.35	
23 73 13 00-0031	EA		16,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	31,471.79	6,298.49
			For Flat Filter Box And Throwaway Filters, Add	2,698.99	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,129.07	
			For Combination Filter Mixing Box And Throwaway Filters, Add	7,648.79	
			For Manual Roll Filter, Add	13,275.81	
			For Automatic Roll Filter, Add	14,401.21	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,523.39	
			For Electric Heating Coil, Add	11,025.00	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,025.00	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,899.60	
			For Steam Heating Coil, Aluminum Fins, Add	8,774.20	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	7,200.61	
			For Chilled Water Cooling Coil, Copper Fins, Add	13,275.81	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,150.41	
			For Hot Water Heating Coil, Copper Fins, Add	8,774.20	
			For Variable Air Volume, Add	3,151.13	
			For Economizer, Panel, Controls And Damper(s), Add	3,192.74	
			For 2 Coils, Independent Circuits, Add	3,597.34	
23 73 13 00-0032	EA		17,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	33,125.11	6,532.02
			For Flat Filter Box And Throwaway Filters, Add	2,846.14	
			For Medium Capacity Filter Box And Throwaway Filters, Add	5,412.45	
			For Combination Filter Mixing Box And Throwaway Filters, Add	8,072.03	
			For Manual Roll Filter, Add	14,021.43	
			For Automatic Roll Filter, Add	15,211.31	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,882.15	
			For Electric Heating Coil, Add	11,641.67	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,641.67	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,451.79	
			For Steam Heating Coil, Aluminum Fins, Add	9,261.91	
			For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add	7,605.66	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,021.43	
			For Direct Expansion Cooling Coil, Copper Fins, Add	12,831.55	
			For Hot Water Heating Coil, Copper Fins, Add	9,261.91	
			For Variable Air Volume, Add	3,331.66	
			For Economizer, Panel, Controls And Damper(s), Add	3,265.50	
			For 2 Coils, Independent Circuits, Add	3,788.46	
23 73 13 00-0033	EA		20,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan.....	36,894.65	7,002.79
			For Flat Filter Box And Throwaway Filters, Add	3,188.96	
			For Medium Capacity Filter Box And Throwaway Filters, Add	6,077.63	
			For Combination Filter Mixing Box And Throwaway Filters, Add	10,410.63	
			For Manual Roll Filter, Add	14,981.01	
			For Automatic Roll Filter, Add	15,787.55	
			For Hot Water Heating Coil, Aluminum Fins, Add	6,377.93	
			For Electric Heating Coil, Add	6,915.62	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	11,754.86	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,410.63	
			For Steam Heating Coil, Aluminum Fins, Add	9,066.39	
			For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add	7,221.66	
			For Chilled Water Cooling Coil, Copper Fins, Add	14,443.32	
			For Direct Expansion Cooling Coil, Copper Fins, Add	13,099.09	
			For Hot Water Heating Coil, Copper Fins, Add	10,410.63	
			For Variable Air Volume, Add	3,763.85	
			For Economizer, Panel, Controls And Damper(s), Add	3,486.75	
			For 2 Coils, Independent Circuits, Add	4,227.16	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0034	EA	22,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	40,909.53	7,547.10
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,549.92	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	6,775.23	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	11,613.18	
		<i>For Manual Roll Filter, Add</i>	16,728.30	
		<i>For Automatic Roll Filter, Add</i>	17,630.96	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	7,099.84	
		<i>For Electric Heating Coil, Add</i>	7,701.62	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	13,117.63	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	11,613.18	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	10,108.74	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	8,063.26	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	16,126.52	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	14,622.07	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	11,613.18	
		<i>For Variable Air Volume, Add</i>	4,212.45	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,628.61	
		<i>For 2 Coils, Independent Circuits, Add</i>	4,692.73	
23 73 13 00-0035	EA	25,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	45,283.90	8,086.56
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	3,950.35	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	7,553.87	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	12,959.15	
		<i>For Manual Roll Filter, Add</i>	18,692.06	
		<i>For Automatic Roll Filter, Add</i>	19,703.75	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	7,900.69	
		<i>For Electric Heating Coil, Add</i>	8,575.15	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	14,645.30	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	12,959.15	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	11,273.00	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	9,008.80	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	18,017.60	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	16,331.45	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	12,959.15	
		<i>For Variable Air Volume, Add</i>	4,721.22	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,758.15	
		<i>For 2 Coils, Independent Circuits, Add</i>	5,202.85	
23 73 13 00-0036	EA	27,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	55,577.15	8,709.02
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	4,935.88	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	9,498.66	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	16,342.83	
		<i>For Manual Roll Filter, Add</i>	23,676.71	
		<i>For Automatic Roll Filter, Add</i>	24,970.93	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	9,871.76	
		<i>For Electric Heating Coil, Add</i>	10,734.57	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	18,499.86	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	16,342.83	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	14,185.81	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	11,406.95	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	22,813.90	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	20,656.88	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	16,342.83	
		<i>For Variable Air Volume, Add</i>	6,039.67	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,911.42	
		<i>For 2 Coils, Independent Circuits, Add</i>	6,420.52	
23 73 13 00-0037	EA	30,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	62,037.10	9,295.60
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	5,540.23	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	10,682.37	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	18,395.58	
		<i>For Manual Roll Filter, Add</i>	26,686.06	
		<i>For Automatic Roll Filter, Add</i>	28,149.08	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	11,080.46	
		<i>For Electric Heating Coil, Add</i>	12,055.81	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	20,833.96	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	18,395.58	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	15,957.21	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	12,855.35	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	25,710.71	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	23,272.33	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	18,395.58	
		<i>For Variable Air Volume, Add</i>	6,827.45	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,755.44	
		<i>For 2 Coils, Independent Circuits, Add</i>	7,179.06	
23 73 13 00-0038	EA	32,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan	67,944.92	10,009.99
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	6,079.85	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	11,730.91	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	20,207.50	
		<i>For Manual Roll Filter, Add</i>	29,328.35	
		<i>For Automatic Roll Filter, Add</i>	30,937.91	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	12,159.70	
		<i>For Electric Heating Coil, Add</i>	13,232.74	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	22,890.11	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	20,207.50	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	17,524.90	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	14,127.66	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	28,255.31	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	25,572.71	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	20,207.50	
		<i>For Variable Air Volume, Add</i>	7,511.29	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	3,908.93	
		<i>For 2 Coils, Independent Circuits, Add</i>	7,867.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0039	EA		35,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 74,534.63 For Flat Filter Box And Throwaway Filters, Add 6,677.01 For Medium Capacity Filter Box And Throwaway Filters, Add 12,888.14 For Combination Filter Mixing Box And Throwaway Filters, Add 22,204.85 For Manual Roll Filter, Add 32,235.79 For Automatic Roll Filter, Add 34,005.95 For Hot Water Heating Coil, Aluminum Fins, Add 13,354.02 For Electric Heating Coil, Add 14,534.13 For Chilled Water Cooling Coil, Aluminum Fins, Add 25,155.12 For Direct Expansion Cooling Coil, Aluminum Fins, Add 22,204.85 For Steam Heating Coil, Aluminum Fins, Add 19,254.57 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 15,527.84 For Chilled Water Cooling Coil, Copper Fins, Add 31,055.68 For Direct Expansion Cooling Coil, Copper Fins, Add 28,105.40 For Hot Water Heating Coil, Copper Fins, Add 22,204.85 For Variable Air Volume, Add 8,260.77 For Economizer, Panel, Controls And Damper(s), Add 4,094.37 For 2 Coils, Independent Circuits, Add 8,633.57		12,449.08
23 73 13 00-0040	EA		37,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 80,197.28 For Flat Filter Box And Throwaway Filters, Add 7,196.55 For Medium Capacity Filter Box And Throwaway Filters, Add 13,899.20 For Combination Filter Mixing Box And Throwaway Filters, Add 23,953.18 For Manual Roll Filter, Add 34,787.92 For Automatic Roll Filter, Add 36,699.93 For Hot Water Heating Coil, Aluminum Fins, Add 14,393.11 For Electric Heating Coil, Add 15,667.78 For Chilled Water Cooling Coil, Aluminum Fins, Add 27,139.87 For Direct Expansion Cooling Coil, Aluminum Fins, Add 23,953.18 For Steam Heating Coil, Aluminum Fins, Add 20,766.49 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 16,756.62 For Chilled Water Cooling Coil, Copper Fins, Add 33,513.24 For Direct Expansion Cooling Coil, Copper Fins, Add 30,326.55 For Hot Water Heating Coil, Copper Fins, Add 23,953.18 For Variable Air Volume, Add 8,922.73 For Economizer, Panel, Controls And Damper(s), Add 4,234.52 For 2 Coils, Independent Circuits, Add 9,294.40		11,529.93
23 73 13 00-0041	EA		40,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 86,493.02 For Flat Filter Box And Throwaway Filters, Add 7,765.34 For Medium Capacity Filter Box And Throwaway Filters, Add 15,000.30 For Combination Filter Mixing Box And Throwaway Filters, Add 25,852.74 For Manual Roll Filter, Add 37,551.07 For Automatic Roll Filter, Add 39,615.49 For Hot Water Heating Coil, Aluminum Fins, Add 15,530.68 For Electric Heating Coil, Add 16,906.95 For Chilled Water Cooling Coil, Aluminum Fins, Add 29,293.42 For Direct Expansion Cooling Coil, Aluminum Fins, Add 25,852.74 For Steam Heating Coil, Aluminum Fins, Add 22,412.05 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 18,087.40 For Chilled Water Cooling Coil, Copper Fins, Add 36,174.80 For Direct Expansion Cooling Coil, Copper Fins, Add 32,734.11 For Hot Water Heating Coil, Copper Fins, Add 25,852.74 For Variable Air Volume, Add 9,633.92 For Economizer, Panel, Controls And Damper(s), Add 4,039.91 For 2 Coils, Independent Circuits, Add 10,025.58		12,334.20
23 73 13 00-0042	EA		45,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 93,349.23 For Flat Filter Box And Throwaway Filters, Add 8,383.64 For Medium Capacity Filter Box And Throwaway Filters, Add 16,196.51 For Combination Filter Mixing Box And Throwaway Filters, Add 27,915.81 For Manual Roll Filter, Add 40,550.81 For Automatic Roll Filter, Add 42,780.51 For Hot Water Heating Coil, Aluminum Fins, Add 16,767.28 For Electric Heating Coil, Add 18,253.75 For Chilled Water Cooling Coil, Aluminum Fins, Add 31,631.98 For Direct Expansion Cooling Coil, Aluminum Fins, Add 27,915.81 For Steam Heating Coil, Aluminum Fins, Add 24,199.63 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 19,532.17 For Chilled Water Cooling Coil, Copper Fins, Add 39,064.34 For Direct Expansion Cooling Coil, Copper Fins, Add 35,348.16 For Hot Water Heating Coil, Copper Fins, Add 27,915.81 For Variable Air Volume, Add 10,405.29 For Economizer, Panel, Controls And Damper(s), Add 4,208.21 For 2 Coils, Independent Circuits, Add 10,821.39		13,317.50
23 73 13 00-0043	EA		47,500 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ..... 97,252.92 For Flat Filter Box And Throwaway Filters, Add 8,731.22 For Medium Capacity Filter Box And Throwaway Filters, Add 16,866.00 For Combination Filter Mixing Box And Throwaway Filters, Add 29,068.16 For Manual Roll Filter, Add 42,221.32 For Automatic Roll Filter, Add 44,542.46 For Hot Water Heating Coil, Aluminum Fins, Add 17,462.44 For Electric Heating Coil, Add 19,009.87 For Chilled Water Cooling Coil, Aluminum Fins, Add 32,936.74 For Direct Expansion Cooling Coil, Aluminum Fins, Add 29,068.16 For Steam Heating Coil, Aluminum Fins, Add 25,199.59 For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add 20,336.94 For Chilled Water Cooling Coil, Copper Fins, Add 40,673.89 For Direct Expansion Cooling Coil, Copper Fins, Add 36,805.31 For Hot Water Heating Coil, Copper Fins, Add 29,068.16 For Variable Air Volume, Add 10,832.01 For Economizer, Panel, Controls And Damper(s), Add 4,315.18 For 2 Coils, Independent Circuits, Add 11,272.72		13,943.01

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 70 Central HVAC Equipment****23 73 Indoor Central-Station Air-Handling Units**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 73 13 00-0044	EA	50,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ....	100,931.37	14,479.28
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	9,059.73	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	17,499.41	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	30,158.93	
		<i>For Manual Roll Filter, Add</i>	43,803.66	
		<i>For Automatic Roll Filter, Add</i>	46,211.56	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	18,119.45	
		<i>For Electric Heating Coil, Add</i>	19,724.72	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	34,172.09	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	30,158.93	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	26,145.77	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	21,099.20	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	42,198.40	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	38,185.24	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	30,158.93	
		<i>For Variable Air Volume, Add</i>	11,236.84	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,413.53	
		<i>For 2 Coils, Independent Circuits, Add</i>	11,698.40	
23 73 13 00-0045	EA	55,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ....	108,809.82	15,462.45
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	9,776.03	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	18,889.09	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	32,558.68	
		<i>For Manual Roll Filter, Add</i>	47,299.51	
		<i>For Automatic Roll Filter, Add</i>	49,900.83	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	19,552.06	
		<i>For Electric Heating Coil, Add</i>	21,286.28	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	36,894.22	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	32,558.68	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	28,223.14	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	22,782.65	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	45,565.29	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	41,229.76	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	32,558.68	
		<i>For Variable Air Volume, Add</i>	12,139.51	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,592.38	
		<i>For 2 Coils, Independent Circuits, Add</i>	12,615.20	
23 73 13 00-0046	EA	60,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ....	118,991.72	16,534.98
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	10,716.92	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	20,724.49	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	35,735.84	
		<i>For Manual Roll Filter, Add</i>	51,944.78	
		<i>For Automatic Roll Filter, Add</i>	54,805.18	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	21,433.84	
		<i>For Electric Heating Coil, Add</i>	23,340.77	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	40,503.18	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	35,735.84	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	30,968.51	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	25,018.92	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	50,037.85	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	45,270.51	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	35,735.84	
		<i>For Variable Air Volume, Add</i>	13,348.54	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,264.50	
		<i>For 2 Coils, Independent Circuits, Add</i>	13,806.11	
23 73 13 00-0047	EA	65,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ....	130,418.01	17,875.65
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	11,764.97	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	22,763.84	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	39,262.14	
		<i>For Manual Roll Filter, Add</i>	57,091.97	
		<i>For Automatic Roll Filter, Add</i>	60,238.41	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	23,529.94	
		<i>For Electric Heating Coil, Add</i>	25,627.56	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	44,506.21	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	39,262.14	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	34,018.07	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	27,497.17	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	54,994.35	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	49,750.28	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	39,262.14	
		<i>For Variable Air Volume, Add</i>	14,683.39	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,453.67	
		<i>For 2 Coils, Independent Circuits, Add</i>	15,139.43	
23 73 13 00-0048	EA	70,000 CFM Single Zone Air Handling Unit, Built-Up, Constant Volume, Horizontal / Vertical, Draw-Through Fan ....	143,150.13	19,395.09
		<i>For Flat Filter Box And Throwaway Filters, Add</i>	12,927.15	
		<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	25,021.59	
		<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	43,163.25	
		<i>For Manual Roll Filter, Add</i>	62,780.05	
		<i>For Automatic Roll Filter, Add</i>	66,241.84	
		<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	25,854.31	
		<i>For Electric Heating Coil, Add</i>	28,162.17	
		<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	48,932.90	
		<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	43,163.25	
		<i>For Steam Heating Coil, Aluminum Fins, Add</i>	37,393.60	
		<i>For Welded Exterior Waterproof Casing, Double Wall, With Insulation, Add</i>	30,236.09	
		<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	60,472.19	
		<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	54,702.54	
		<i>For Hot Water Heating Coil, Copper Fins, Add</i>	43,163.25	
		<i>For Variable Air Volume, Add</i>	16,155.01	
		<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,675.72	
		<i>For 2 Coils, Independent Circuits, Add</i>	16,622.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 73 13 00-0049	Multi-Zone Units <small>(23 73 13)</small>				
Note: Horizontal/vertical blow-thru fan, motor and cabinet.					
23 73 13 00-0050	EA	1,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	8,549.73	1,608.55	
		For Economizer, Panel, Controls And Damper(s), Add	2,248.24		
		For Flat Filter Box And Throwaway Filters, Add	740.10		
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,411.27		
		For Combination Filter Mixing Box And Throwaway Filters, Add	1,792.81		
		For Manual Roll Filter, Add	3,668.48		
		For Automatic Roll Filter, Add	3,668.48		
		For Hot Water Heating Coil, Aluminum Fins, Add	854.97		
		For Electric Heating Coil, Add	980.02		
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,043.26		
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,043.26		
		For Chilled Water Cooling Coil, Copper Fins, Add	3,668.48		
		For Direct Expansion Cooling Coil, Copper Fins, Add	3,668.48		
		For 2 Coils, Independent Circuits, Add	980.02		
23 73 13 00-0051	EA	1,200 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	10,655.22	2,015.23	
		For Economizer, Panel, Controls And Damper(s), Add	2,655.29		
		For Flat Filter Box And Throwaway Filters, Add	921.57		
		For Medium Capacity Filter Box And Throwaway Filters, Add	1,756.78		
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,231.96		
		For Manual Roll Filter, Add	4,564.83		
		For Automatic Roll Filter, Add	4,564.83		
		For Hot Water Heating Coil, Aluminum Fins, Add	1,065.52		
		For Electric Heating Coil, Add	1,221.05		
		For Chilled Water Cooling Coil, Aluminum Fins, Add	3,787.20		
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	3,787.20		
		For Chilled Water Cooling Coil, Copper Fins, Add	4,564.83		
		For Direct Expansion Cooling Coil, Copper Fins, Add	4,564.83		
		For 2 Coils, Independent Circuits, Add	1,221.05		
23 73 13 00-0052	EA	1,600 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,145.53	2,144.82	
		For Economizer, Panel, Controls And Damper(s), Add	2,784.65		
		For Flat Filter Box And Throwaway Filters, Add	1,161.36		
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,230.81		
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,826.81		
		For Manual Roll Filter, Add	5,851.34		
		For Automatic Roll Filter, Add	5,851.34		
		For Hot Water Heating Coil, Aluminum Fins, Add	1,314.55		
		For Electric Heating Coil, Add	1,516.19		
		For Chilled Water Cooling Coil, Aluminum Fins, Add	4,843.16		
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	4,843.16		
		For Chilled Water Cooling Coil, Copper Fins, Add	5,851.34		
		For Direct Expansion Cooling Coil, Copper Fins, Add	5,851.34		
		For 2 Coils, Independent Circuits, Add	1,516.19		
23 73 13 00-0053	EA	2,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	13,674.59	2,296.77	
		For Economizer, Panel, Controls And Damper(s), Add	2,936.17		
		For Flat Filter Box And Throwaway Filters, Add	1,203.45		
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,308.49		
		For Combination Filter Mixing Box And Throwaway Filters, Add	2,926.61		
		For Manual Roll Filter, Add	6,044.92		
		For Automatic Roll Filter, Add	6,044.92		
		For Hot Water Heating Coil, Aluminum Fins, Add	1,367.46		
		For Electric Heating Coil, Add	1,575.35		
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,005.48		
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,005.48		
		For Chilled Water Cooling Coil, Copper Fins, Add	6,044.92		
		For Direct Expansion Cooling Coil, Copper Fins, Add	6,044.92		
		For 2 Coils, Independent Circuits, Add	1,575.35		
23 73 13 00-0054	EA	2,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	15,982.86	2,462.11	
		For Economizer, Panel, Controls And Damper(s), Add	3,102.22		
		For Flat Filter Box And Throwaway Filters, Add	1,422.41		
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,739.30		
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,468.10		
		For Manual Roll Filter, Add	7,207.72		
		For Automatic Roll Filter, Add	7,207.72		
		For Hot Water Heating Coil, Aluminum Fins, Add	1,598.29		
		For Electric Heating Coil, Add	1,847.59		
		For Chilled Water Cooling Coil, Aluminum Fins, Add	5,961.18		
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	5,961.18		
		For Chilled Water Cooling Coil, Copper Fins, Add	7,207.72		
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,207.72		
		For 2 Coils, Independent Circuits, Add	1,847.59		
23 73 13 00-0055	EA	3,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	16,857.10	2,636.66	
		For Economizer, Panel, Controls And Damper(s), Add	3,276.53		
		For Flat Filter Box And Throwaway Filters, Add	1,497.39		
		For Medium Capacity Filter Box And Throwaway Filters, Add	2,881.78		
		For Combination Filter Mixing Box And Throwaway Filters, Add	3,649.30		
		For Manual Roll Filter, Add	7,576.49		
		For Automatic Roll Filter, Add	7,576.49		
		For Hot Water Heating Coil, Aluminum Fins, Add	1,685.71		
		For Electric Heating Coil, Add	1,947.52		
		For Chilled Water Cooling Coil, Aluminum Fins, Add	6,267.43		
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,267.43		
		For Chilled Water Cooling Coil, Copper Fins, Add	7,576.49		
		For Direct Expansion Cooling Coil, Copper Fins, Add	7,576.49		
		For 2 Coils, Independent Circuits, Add	1,947.52		



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 73 13 00-0056	EA 3,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	17,776.45	2,815.29
	For Economizer, Panel, Controls And Damper(s), Add	3,455.06	
	For Flat Filter Box And Throwaway Filters, Add	1,576.57	
	For Medium Capacity Filter Box And Throwaway Filters, Add	3,032.49	
	For Combination Filter Mixing Box And Throwaway Filters, Add	3,840.88	
	For Manual Roll Filter, Add	7,967.36	
	For Automatic Roll Filter, Add	7,967.36	
	For Hot Water Heating Coil, Aluminum Fins, Add	1,777.65	
	For Electric Heating Coil, Add	2,052.74	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	6,591.87	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	6,591.87	
	For Chilled Water Cooling Coil, Copper Fins, Add	7,967.36	
	For Direct Expansion Cooling Coil, Copper Fins, Add	7,967.36	
	For 2 Coils, Independent Circuits, Add	2,052.74	
23 73 13 00-0057	EA 4,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	19,819.73	3,020.99
	For Economizer, Panel, Controls And Damper(s), Add	3,118.49	
	For Flat Filter Box And Throwaway Filters, Add	1,766.66	
	For Medium Capacity Filter Box And Throwaway Filters, Add	3,404.12	
	For Combination Filter Mixing Box And Throwaway Filters, Add	4,308.98	
	For Manual Roll Filter, Add	8,962.99	
	For Automatic Roll Filter, Add	8,962.99	
	For Hot Water Heating Coil, Aluminum Fins, Add	1,981.97	
	For Electric Heating Coil, Add	2,292.24	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	7,411.66	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	7,411.66	
	For Chilled Water Cooling Coil, Copper Fins, Add	8,962.99	
	For Direct Expansion Cooling Coil, Copper Fins, Add	8,962.99	
	For 2 Coils, Independent Circuits, Add	2,292.24	
23 73 13 00-0058	EA 4,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	21,659.38	3,235.23
	For Economizer, Panel, Controls And Damper(s), Add	3,292.11	
	For Flat Filter Box And Throwaway Filters, Add	1,934.84	
	For Medium Capacity Filter Box And Throwaway Filters, Add	3,731.01	
	For Combination Filter Mixing Box And Throwaway Filters, Add	4,721.54	
	For Manual Roll Filter, Add	9,832.75	
	For Automatic Roll Filter, Add	9,832.75	
	For Hot Water Heating Coil, Aluminum Fins, Add	2,165.94	
	For Electric Heating Coil, Add	2,506.69	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	8,129.01	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,129.01	
	For Chilled Water Cooling Coil, Copper Fins, Add	9,832.75	
	For Direct Expansion Cooling Coil, Copper Fins, Add	9,832.75	
	For 2 Coils, Independent Circuits, Add	2,506.69	
23 73 13 00-0059	EA 5,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	22,900.30	3,455.36
	For Economizer, Panel, Controls And Damper(s), Add	3,458.81	
	For Flat Filter Box And Throwaway Filters, Add	2,043.78	
	For Medium Capacity Filter Box And Throwaway Filters, Add	3,939.80	
	For Combination Filter Mixing Box And Throwaway Filters, Add	4,986.31	
	For Manual Roll Filter, Add	10,378.87	
	For Automatic Roll Filter, Add	10,378.87	
	For Hot Water Heating Coil, Aluminum Fins, Add	2,290.03	
	For Electric Heating Coil, Add	2,649.53	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	8,581.35	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	8,581.35	
	For Chilled Water Cooling Coil, Copper Fins, Add	10,378.87	
	For Direct Expansion Cooling Coil, Copper Fins, Add	10,378.87	
	For 2 Coils, Independent Circuits, Add	2,649.53	
23 73 13 00-0060	EA 5,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	25,244.27	3,691.58
	For Economizer, Panel, Controls And Damper(s), Add	3,651.89	
	For Flat Filter Box And Throwaway Filters, Add	2,260.62	
	For Medium Capacity Filter Box And Throwaway Filters, Add	4,362.95	
	For Combination Filter Mixing Box And Throwaway Filters, Add	5,519.64	
	For Manual Roll Filter, Add	11,510.07	
	For Automatic Roll Filter, Add	11,510.07	
	For Hot Water Heating Coil, Aluminum Fins, Add	2,524.43	
	For Electric Heating Coil, Add	2,923.79	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	9,513.26	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	9,513.26	
	For Chilled Water Cooling Coil, Copper Fins, Add	11,510.07	
	For Direct Expansion Cooling Coil, Copper Fins, Add	11,510.07	
	For 2 Coils, Independent Circuits, Add	2,923.79	
23 73 13 00-0061	EA 6,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	26,862.01	3,950.77
	For Economizer, Panel, Controls And Damper(s), Add	3,853.90	
	For Flat Filter Box And Throwaway Filters, Add	2,404.03	
	For Medium Capacity Filter Box And Throwaway Filters, Add	4,638.75	
	For Combination Filter Mixing Box And Throwaway Filters, Add	5,868.98	
	For Manual Roll Filter, Add	12,234.55	
	For Automatic Roll Filter, Add	12,234.55	
	For Hot Water Heating Coil, Aluminum Fins, Add	2,686.20	
	For Electric Heating Coil, Add	3,110.57	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	10,112.69	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	10,112.69	
	For Chilled Water Cooling Coil, Copper Fins, Add	12,234.55	
	For Direct Expansion Cooling Coil, Copper Fins, Add	12,234.55	
	For 2 Coils, Independent Circuits, Add	3,110.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73	13 00-0062	EA	6,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	29,452.58 4,118.15 2,639.06 5,094.41 6,444.56 13,443.16 13,443.16 2,945.26 3,411.83 11,110.30 11,110.30 13,443.16 13,443.16 3,411.83	4,290.16
23 73	13 00-0063	EA	7,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	31,646.66 4,379.24 2,834.74 5,471.51 6,921.87 14,436.28 14,436.28 3,164.67 3,665.63 11,931.48 11,931.48 14,436.28 14,436.28 3,665.63	4,620.99
23 73	13 00-0064	EA	7,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	33,226.31 3,789.28 2,966.47 5,719.25 7,238.10 15,069.03 15,069.03 3,322.63 3,844.69 12,458.72 12,458.72 15,069.03 15,069.03 3,844.69	4,996.25
23 73	13 00-0065	EA	8,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	36,854.45 4,021.35 3,300.28 6,369.45 8,058.11 16,803.43 16,803.43 3,685.45 4,268.47 13,888.32 13,888.32 16,803.43 16,803.43 4,268.47	5,389.25
23 73	13 00-0066	EA	8,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	38,823.36 4,261.84 3,467.11 6,685.07 8,460.15 17,615.78 17,615.78 3,882.34 4,492.71 14,563.90 14,563.90 17,615.78 17,615.78 4,492.71	5,809.33
23 73	13 00-0067	EA	9,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan ..... For Economizer, Panel, Controls And Damper(s), Add For Flat Filter Box And Throwaway Filters, Add For Medium Capacity Filter Box And Throwaway Filters, Add For Combination Filter Mixing Box And Throwaway Filters, Add For Manual Roll Filter, Add For Automatic Roll Filter, Add For Hot Water Heating Coil, Aluminum Fins, Add For Electric Heating Coil, Add For Chilled Water Cooling Coil, Aluminum Fins, Add For Direct Expansion Cooling Coil, Aluminum Fins, Add For Chilled Water Cooling Coil, Copper Fins, Add For Direct Expansion Cooling Coil, Copper Fins, Add For 2 Coils, Independent Circuits, Add	41,002.97 4,524.09 3,652.29 7,035.76 8,906.71 18,519.53 18,519.53 4,100.30 4,741.15 15,315.26 15,315.26 18,519.53 18,519.53 4,741.15	6,292.23

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 73 13 00-0068	EA 10,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	43,354.63	6,792.36
	For Economizer, Panel, Controls And Damper(s), Add	4,092.93	
	For Flat Filter Box And Throwaway Filters, Add	3,849.98	
	For Medium Capacity Filter Box And Throwaway Filters, Add	7,408.66	
	For Combination Filter Mixing Box And Throwaway Filters, Add	9,382.20	
	For Manual Roll Filter, Add	19,475.66	
	For Automatic Roll Filter, Add	19,475.66	
	For Hot Water Heating Coil, Aluminum Fins, Add	4,335.46	
	For Electric Heating Coil, Add	5,008.36	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	16,111.17	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,111.17	
	For Chilled Water Cooling Coil, Copper Fins, Add	19,475.66	
	For Direct Expansion Cooling Coil, Copper Fins, Add	19,475.66	
	For 2 Coils, Independent Circuits, Add	5,008.36	
23 73 13 00-0069	EA 11,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	44,582.99	7,051.94
	For Economizer, Panel, Controls And Damper(s), Add	4,209.39	
	For Flat Filter Box And Throwaway Filters, Add	3,953.40	
	For Medium Capacity Filter Box And Throwaway Filters, Add	7,603.86	
	For Combination Filter Mixing Box And Throwaway Filters, Add	9,631.05	
	For Manual Roll Filter, Add	19,976.56	
	For Automatic Roll Filter, Add	19,976.56	
	For Hot Water Heating Coil, Aluminum Fins, Add	4,458.30	
	For Electric Heating Coil, Add	5,148.00	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	16,528.06	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,528.06	
	For Chilled Water Cooling Coil, Copper Fins, Add	19,976.56	
	For Direct Expansion Cooling Coil, Copper Fins, Add	19,976.56	
	For 2 Coils, Independent Circuits, Add	5,148.00	
23 73 13 00-0070	EA 12,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	45,753.03	7,303.62
	For Economizer, Panel, Controls And Damper(s), Add	4,308.36	
	For Flat Filter Box And Throwaway Filters, Add	4,053.91	
	For Medium Capacity Filter Box And Throwaway Filters, Add	7,794.98	
	For Combination Filter Mixing Box And Throwaway Filters, Add	9,874.08	
	For Manual Roll Filter, Add	20,471.63	
	For Automatic Roll Filter, Add	20,471.63	
	For Hot Water Heating Coil, Aluminum Fins, Add	4,575.30	
	For Electric Heating Coil, Add	5,281.81	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	16,939.11	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	16,939.11	
	For Chilled Water Cooling Coil, Copper Fins, Add	20,471.63	
	For Direct Expansion Cooling Coil, Copper Fins, Add	20,471.63	
	For 2 Coils, Independent Circuits, Add	5,281.81	
23 73 13 00-0071	EA 13,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	51,677.98	7,597.16
	For Economizer, Panel, Controls And Damper(s), Add	3,576.42	
	For Flat Filter Box And Throwaway Filters, Add	4,623.69	
	For Medium Capacity Filter Box And Throwaway Filters, Add	8,920.92	
	For Combination Filter Mixing Box And Throwaway Filters, Add	11,287.18	
	For Manual Roll Filter, Add	23,525.94	
	For Automatic Roll Filter, Add	23,525.94	
	For Hot Water Heating Coil, Aluminum Fins, Add	5,167.80	
	For Electric Heating Coil, Add	5,983.72	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	19,446.36	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	19,446.36	
	For Chilled Water Cooling Coil, Copper Fins, Add	23,525.94	
	For Direct Expansion Cooling Coil, Copper Fins, Add	23,525.94	
	For 2 Coils, Independent Circuits, Add	5,983.72	
23 73 13 00-0072	EA 15,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	57,554.88	7,898.10
	For Economizer, Panel, Controls And Damper(s), Add	3,710.45	
	For Flat Filter Box And Throwaway Filters, Add	5,191.07	
	For Medium Capacity Filter Box And Throwaway Filters, Add	10,043.50	
	For Combination Filter Mixing Box And Throwaway Filters, Add	12,695.48	
	For Manual Roll Filter, Add	26,575.45	
	For Automatic Roll Filter, Add	26,575.45	
	For Hot Water Heating Coil, Aluminum Fins, Add	5,755.49	
	For Electric Heating Coil, Add	6,680.82	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	21,948.79	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	21,948.79	
	For Chilled Water Cooling Coil, Copper Fins, Add	26,575.45	
	For Direct Expansion Cooling Coil, Copper Fins, Add	26,575.45	
	For 2 Coils, Independent Circuits, Add	6,680.82	
23 73 13 00-0073	EA 16,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	66,116.17	8,195.99
	For Economizer, Panel, Controls And Damper(s), Add	3,782.87	
	For Flat Filter Box And Throwaway Filters, Add	6,026.51	
	For Medium Capacity Filter Box And Throwaway Filters, Add	11,701.96	
	For Combination Filter Mixing Box And Throwaway Filters, Add	14,773.72	
	For Manual Roll Filter, Add	31,097.94	
	For Automatic Roll Filter, Add	31,097.94	
	For Hot Water Heating Coil, Aluminum Fins, Add	6,611.62	
	For Electric Heating Coil, Add	7,699.90	
	For Chilled Water Cooling Coil, Aluminum Fins, Add	25,656.53	
	For Direct Expansion Cooling Coil, Aluminum Fins, Add	25,656.53	
	For Chilled Water Cooling Coil, Copper Fins, Add	31,097.94	
	For Direct Expansion Cooling Coil, Copper Fins, Add	31,097.94	
	For 2 Coils, Independent Circuits, Add	7,699.90	

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
23 73 13 00-0074	EA	17,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	74,683.32	8,490.94
		For Economizer, Panel, Controls And Damper(s), Add	3,856.32	
		For Flat Filter Box And Throwaway Filters, Add	6,862.24	
		For Medium Capacity Filter Box And Throwaway Filters, Add	13,360.83	
		For Combination Filter Mixing Box And Throwaway Filters, Add	16,852.56	
		For Manual Roll Filter, Add	35,621.01	
		For Automatic Roll Filter, Add	35,621.01	
		For Hot Water Heating Coil, Aluminum Fins, Add	7,468.33	
		For Electric Heating Coil, Add	8,719.56	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	29,364.86	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,364.86	
		For Chilled Water Cooling Coil, Copper Fins, Add	35,621.01	
		For Direct Expansion Cooling Coil, Copper Fins, Add	35,621.01	
		For 2 Coils, Independent Circuits, Add	8,719.56	
23 73 13 00-0075	EA	20,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	83,837.59	9,205.96
		For Economizer, Panel, Controls And Damper(s), Add	4,035.93	
		For Flat Filter Box And Throwaway Filters, Add	7,726.35	
		For Medium Capacity Filter Box And Throwaway Filters, Add	11,523.78	
		For Combination Filter Mixing Box And Throwaway Filters, Add	18,987.17	
		For Manual Roll Filter, Add	29,590.58	
		For Automatic Roll Filter, Add	36,659.52	
		For Hot Water Heating Coil, Aluminum Fins, Add	8,383.76	
		For Electric Heating Coil, Add	9,797.55	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	29,590.58	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	29,590.58	
		For Steam Heating Coil, Aluminum Fins, Add	15,452.70	
		For Chilled Water Cooling Coil, Copper Fins, Add	36,659.52	
		For Direct Expansion Cooling Coil, Copper Fins, Add	36,659.52	
		For 2 Coils, Independent Circuits, Add	9,797.55	
23 73 13 00-0076	EA	22,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	90,421.33	10,010.36
		For Economizer, Panel, Controls And Damper(s), Add	3,898.32	
		For Flat Filter Box And Throwaway Filters, Add	8,331.03	
		For Medium Capacity Filter Box And Throwaway Filters, Add	12,425.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	20,472.01	
		For Manual Roll Filter, Add	31,901.89	
		For Automatic Roll Filter, Add	39,521.81	
		For Hot Water Heating Coil, Aluminum Fins, Add	9,042.13	
		For Electric Heating Coil, Add	10,566.12	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	31,901.89	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	31,901.89	
		For Steam Heating Coil, Aluminum Fins, Add	16,662.05	
		For Chilled Water Cooling Coil, Copper Fins, Add	39,521.81	
		For Direct Expansion Cooling Coil, Copper Fins, Add	39,521.81	
		For 2 Coils, Independent Circuits, Add	10,566.12	
23 73 13 00-0077	EA	25,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	107,822.46	10,814.39
		For Economizer, Panel, Controls And Damper(s), Add	4,081.84	
		For Flat Filter Box And Throwaway Filters, Add	10,009.97	
		For Medium Capacity Filter Box And Throwaway Filters, Add	14,937.72	
		For Combination Filter Mixing Box And Throwaway Filters, Add	24,638.78	
		For Manual Roll Filter, Add	38,495.31	
		For Automatic Roll Filter, Add	47,732.99	
		For Hot Water Heating Coil, Aluminum Fins, Add	10,782.25	
		For Electric Heating Coil, Add	12,629.78	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	38,495.31	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	38,495.31	
		For Steam Heating Coil, Aluminum Fins, Add	20,019.93	
		For Chilled Water Cooling Coil, Copper Fins, Add	47,732.99	
		For Direct Expansion Cooling Coil, Copper Fins, Add	47,732.99	
		For 2 Coils, Independent Circuits, Add	12,629.78	
23 73 13 00-0078	EA	27,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	121,857.65	11,708.55
		For Economizer, Panel, Controls And Damper(s), Add	4,270.41	
		For Flat Filter Box And Throwaway Filters, Add	11,350.63	
		For Medium Capacity Filter Box And Throwaway Filters, Add	16,942.43	
		For Combination Filter Mixing Box And Throwaway Filters, Add	27,959.00	
		For Manual Roll Filter, Add	43,732.23	
		For Automatic Roll Filter, Add	54,247.72	
		For Hot Water Heating Coil, Aluminum Fins, Add	12,185.77	
		For Electric Heating Coil, Add	14,288.86	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	43,732.23	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	43,732.23	
		For Steam Heating Coil, Aluminum Fins, Add	22,701.25	
		For Chilled Water Cooling Coil, Copper Fins, Add	54,247.72	
		For Direct Expansion Cooling Coil, Copper Fins, Add	54,247.72	
		For 2 Coils, Independent Circuits, Add	14,288.86	
23 73 13 00-0079	EA	30,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	132,076.11	12,602.72
		For Economizer, Panel, Controls And Damper(s), Add	4,466.77	
		For Flat Filter Box And Throwaway Filters, Add	12,307.02	
		For Medium Capacity Filter Box And Throwaway Filters, Add	18,370.47	
		For Combination Filter Mixing Box And Throwaway Filters, Add	30,317.26	
		For Manual Roll Filter, Add	47,426.91	
		For Automatic Roll Filter, Add	58,833.35	
		For Hot Water Heating Coil, Aluminum Fins, Add	13,207.61	
		For Electric Heating Coil, Add	15,488.90	
		For Chilled Water Cooling Coil, Aluminum Fins, Add	47,426.91	
		For Direct Expansion Cooling Coil, Aluminum Fins, Add	47,426.91	
		For Steam Heating Coil, Aluminum Fins, Add	24,614.05	
		For Chilled Water Cooling Coil, Copper Fins, Add	58,833.35	
		For Direct Expansion Cooling Coil, Copper Fins, Add	58,833.35	
		For 2 Coils, Independent Circuits, Add	15,488.90	



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 73 13 00-0080	EA		32,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	147,654.57	14,747.04
			For Economizer, Panel, Controls And Damper(s), Add	4,460.83	
			For Flat Filter Box And Throwaway Filters, Add	13,713.12	
			For Medium Capacity Filter Box And Throwaway Filters, Add	20,464.45	
			For Combination Filter Mixing Box And Throwaway Filters, Add	33,756.64	
			For Manual Roll Filter, Add	52,747.83	
			For Automatic Roll Filter, Add	65,408.62	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,765.46	
			For Electric Heating Coil, Add	17,297.62	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	52,747.83	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	52,747.83	
			For Steam Heating Coil, Aluminum Fins, Add	27,426.25	
			For Chilled Water Cooling Coil, Copper Fins, Add	65,408.62	
			For Direct Expansion Cooling Coil, Copper Fins, Add	65,408.62	
			For 2 Coils, Independent Circuits, Add	17,297.62	
23 73 13 00-0081	EA		35,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	148,441.74	15,283.69
			For Economizer, Panel, Controls And Damper(s), Add	4,559.23	
			For Flat Filter Box And Throwaway Filters, Add	13,752.48	
			For Medium Capacity Filter Box And Throwaway Filters, Add	20,519.55	
			For Combination Filter Mixing Box And Throwaway Filters, Add	33,835.36	
			For Manual Roll Filter, Add	52,826.54	
			For Automatic Roll Filter, Add	65,487.33	
			For Hot Water Heating Coil, Aluminum Fins, Add	14,844.17	
			For Electric Heating Coil, Add	17,376.33	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	52,826.54	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	52,826.54	
			For Steam Heating Coil, Aluminum Fins, Add	27,504.96	
			For Chilled Water Cooling Coil, Copper Fins, Add	65,487.33	
			For Direct Expansion Cooling Coil, Copper Fins, Add	65,487.33	
			For 2 Coils, Independent Circuits, Add	17,376.33	
23 73 13 00-0082	EA		37,500 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	155,246.69	15,819.45
			For Economizer, Panel, Controls And Damper(s), Add	4,657.63	
			For Flat Filter Box And Throwaway Filters, Add	14,393.62	
			For Medium Capacity Filter Box And Throwaway Filters, Add	21,477.32	
			For Combination Filter Mixing Box And Throwaway Filters, Add	35,418.52	
			For Manual Roll Filter, Add	55,312.37	
			For Automatic Roll Filter, Add	68,574.94	
			For Hot Water Heating Coil, Aluminum Fins, Add	15,524.67	
			For Electric Heating Coil, Add	18,177.18	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	55,312.37	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	55,312.37	
			For Steam Heating Coil, Aluminum Fins, Add	28,787.24	
			For Chilled Water Cooling Coil, Copper Fins, Add	68,574.94	
			For Direct Expansion Cooling Coil, Copper Fins, Add	68,574.94	
			For 2 Coils, Independent Circuits, Add	18,177.18	
23 73 13 00-0083	EA		40,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	162,457.23	16,981.88
			For Economizer, Panel, Controls And Damper(s), Add	4,860.45	
			For Flat Filter Box And Throwaway Filters, Add	15,033.54	
			For Medium Capacity Filter Box And Throwaway Filters, Add	22,429.10	
			For Combination Filter Mixing Box And Throwaway Filters, Add	36,977.77	
			For Manual Roll Filter, Add	57,709.81	
			For Automatic Roll Filter, Add	71,531.17	
			For Hot Water Heating Coil, Aluminum Fins, Add	16,245.72	
			For Electric Heating Coil, Add	19,010.00	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	57,709.81	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	57,709.81	
			For Steam Heating Coil, Aluminum Fins, Add	30,067.09	
			For Chilled Water Cooling Coil, Copper Fins, Add	71,531.17	
			For Direct Expansion Cooling Coil, Copper Fins, Add	71,531.17	
			For 2 Coils, Independent Circuits, Add	19,010.00	
23 73 13 00-0084	EA		45,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	175,047.62	17,875.65
			For Economizer, Panel, Controls And Damper(s), Add	5,007.96	
			For Flat Filter Box And Throwaway Filters, Add	16,233.58	
			For Medium Capacity Filter Box And Throwaway Filters, Add	24,223.25	
			For Combination Filter Mixing Box And Throwaway Filters, Add	39,948.36	
			For Manual Roll Filter, Add	62,391.95	
			For Automatic Roll Filter, Add	77,354.35	
			For Hot Water Heating Coil, Aluminum Fins, Add	17,504.76	
			For Electric Heating Coil, Add	20,497.24	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	62,391.95	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	62,391.95	
			For Steam Heating Coil, Aluminum Fins, Add	32,467.16	
			For Chilled Water Cooling Coil, Copper Fins, Add	77,354.35	
			For Direct Expansion Cooling Coil, Copper Fins, Add	77,354.35	
			For 2 Coils, Independent Circuits, Add	20,497.24	
23 73 13 00-0085	EA		50,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan .....	188,166.00	18,858.82
			For Economizer, Panel, Controls And Damper(s), Add	4,597.54	
			For Flat Filter Box And Throwaway Filters, Add	17,467.83	
			For Medium Capacity Filter Box And Throwaway Filters, Add	26,066.87	
			For Combination Filter Mixing Box And Throwaway Filters, Add	42,995.19	
			For Manual Roll Filter, Add	67,173.78	
			For Automatic Roll Filter, Add	83,292.84	
			For Hot Water Heating Coil, Aluminum Fins, Add	18,816.60	
			For Electric Heating Coil, Add	22,040.41	
			For Chilled Water Cooling Coil, Aluminum Fins, Add	67,173.78	
			For Direct Expansion Cooling Coil, Aluminum Fins, Add	67,173.78	
			For Steam Heating Coil, Aluminum Fins, Add	34,935.66	
			For Chilled Water Cooling Coil, Copper Fins, Add	83,292.84	
			For Direct Expansion Cooling Coil, Copper Fins, Add	83,292.84	
			For 2 Coils, Independent Circuits, Add	22,040.41	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 73 13 00-0086	EA		55,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	202,671.71	20,020.74
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,758.59	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	18,837.88	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	28,113.89	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	46,380.05	
			<i>For Manual Roll Filter, Add</i>	72,492.93	
			<i>For Automatic Roll Filter, Add</i>	89,901.52	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	20,267.17	
			<i>For Electric Heating Coil, Add</i>	23,748.89	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	72,492.93	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	72,492.93	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	37,675.76	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	89,901.52	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	89,901.52	
			<i>For 2 Coils, Independent Circuits, Add</i>	23,748.89	
23 73 13 00-0087	EA		60,000 CFM Multizone Air Handling Unit, Built-Up, Horizontal / Vertical, Draw-Through Fan	217,351.23	20,557.01
			<i>For Economizer, Panel, Controls And Damper(s), Add</i>	4,831.51	
			<i>For Flat Filter Box And Throwaway Filters, Add</i>	20,269.37	
			<i>For Medium Capacity Filter Box And Throwaway Filters, Add</i>	30,257.48	
			<i>For Combination Filter Mixing Box And Throwaway Filters, Add</i>	49,940.55	
			<i>For Manual Roll Filter, Add</i>	78,145.97	
			<i>For Automatic Roll Filter, Add</i>	96,949.59	
			<i>For Hot Water Heating Coil, Aluminum Fins, Add</i>	21,735.12	
			<i>For Electric Heating Coil, Add</i>	25,495.85	
			<i>For Chilled Water Cooling Coil, Aluminum Fins, Add</i>	78,145.97	
			<i>For Direct Expansion Cooling Coil, Aluminum Fins, Add</i>	78,145.97	
			<i>For Steam Heating Coil, Aluminum Fins, Add</i>	40,538.74	
			<i>For Chilled Water Cooling Coil, Copper Fins, Add</i>	96,949.59	
			<i>For Direct Expansion Cooling Coil, Copper Fins, Add</i>	96,949.59	
			<i>For 2 Coils, Independent Circuits, Add</i>	25,495.85	

**23 73 13 00-0088 Return/Supply Air Fan (23 73 13)**

Note: Includes vibration mounts.

23 73 13 00-0089	EA		300 CFM Return Air Fan	3,604.16	714.90
23 73 13 00-0090	EA		500 CFM Return Air Fan	4,666.88	857.90
23 73 13 00-0091	EA		750 CFM Return Air Fan	4,874.49	893.66
23 73 13 00-0092	EA		1,000 CFM Return Air Fan	5,556.86	947.28
23 73 13 00-0093	EA		1,250 CFM Return Air Fan	5,727.57	991.97
23 73 13 00-0094	EA		1,500 CFM Return Air Fan	5,862.50	1,036.66
23 73 13 00-0095	EA		1,750 CFM Return Air Fan	6,153.01	1,090.29
23 73 13 00-0096	EA		2,000 CFM Return Air Fan	6,835.37	1,143.92
23 73 13 00-0097	EA		2,250 CFM Return Air Fan	7,161.39	1,197.54
23 73 13 00-0098	EA		2,500 CFM Return Air Fan	7,344.92	1,251.16
23 73 13 00-0099	EA		3,000 CFM Return Air Fan	7,785.44	1,385.24
23 73 13 00-0100	EA		3,500 CFM Return Air Fan	7,994.72	1,456.73
23 73 13 00-0101	EA		4,000 CFM Return Air Fan	8,190.92	1,519.30
23 73 13 00-0102	EA		4,500 CFM Return Air Fan	8,435.81	1,590.93
23 73 13 00-0103	EA		5,000 CFM Return Air Fan	8,657.44	1,671.37
23 73 13 00-0104	EA		5,500 CFM Return Air Fan	9,080.63	1,868.01
23 73 13 00-0105	EA		6,000 CFM Return Air Fan	10,326.66	2,216.58
23 73 13 00-0106	EA		6,500 CFM Return Air Fan	10,592.28	2,252.33
23 73 13 00-0107	EA		7,000 CFM Return Air Fan	10,711.37	2,261.27
23 73 13 00-0108	EA		8,000 CFM Return Air Fan	11,262.00	2,297.02
23 73 13 00-0109	EA		9,000 CFM Return Air Fan	11,509.84	2,323.84
23 73 13 00-0110	EA		10,000 CFM Return Air Fan	12,105.07	2,413.60
23 73 13 00-0111	EA		12,500 CFM Return Air Fan	12,879.15	2,457.77
23 73 13 00-0112	EA		15,000 CFM Return Air Fan	14,512.75	2,527.62
23 73 13 00-0113	EA		17,500 CFM Return Air Fan	15,810.86	2,663.34
23 73 13 00-0114	EA		20,000 CFM Return Air Fan	18,755.21	2,779.28
23 73 13 00-0115	EA		22,500 CFM Return Air Fan	19,650.63	2,876.19
23 73 13 00-0116	EA		25,000 CFM Return Air Fan	20,536.46	2,958.42
23 73 13 00-0117	EA		27,500 CFM Return Air Fan	21,782.12	3,253.37
23 73 13 00-0118	EA		30,000 CFM Return Air Fan	23,283.16	3,431.87
23 73 13 00-0119	EA		35,000 CFM Return Air Fan	26,232.03	3,574.75
23 73 13 00-0120	EA		40,000 CFM Return Air Fan	30,875.64	3,932.27
23 73 13 00-0121	EA		45,000 CFM Return Air Fan	37,946.52	4,468.53
23 73 13 00-0122	EA		50,000 CFM Return Air Fan	46,086.48	4,629.79
23 73 13 00-0123	EA		55,000 CFM Return Air Fan	48,230.76	4,763.48
23 73 13 00-0124	EA		60,000 CFM Return Air Fan	49,343.04	4,888.61
23 73 13 00-0125	EA		65,000 CFM Return Air Fan	51,743.82	5,102.99
23 73 13 00-0126	EA		70,000 CFM Return Air Fan	54,348.02	5,354.27
23 73 13 00-0127	EA		75,000 CFM Return Air Fan	58,437.55	5,616.92
23 73 13 00-0128	EA		80,000 CFM Return Air Fan	61,036.03	5,914.67
23 73 13 00-0129	EA		90,000 CFM Return Air Fan	63,040.90	6,251.50
23 73 13 00-0130	EA		100,000 CFM Return Air Fan	67,759.43	6,537.64
23 73 13 00-0131	EA		115,000 CFM Return Air Fan	72,873.27	6,850.34
23 73 13 00-0132	EA		130,000 CFM Return Air Fan	78,423.95	7,195.46
23 73 13 00-0133	EA		150,000 CFM Return Air Fan	85,772.33	7,578.77

**23 73 13 00-0134 Removal And Reinstallation Of Air Handling Unit (23 73 13)**

Note: Air handling units with filter and coils. Includes storage and cleaning. Excludes ductwork.

23 73 13 00-0135	EA		Removal And Reinstallation Of Up To 11,500 CFM Air Handling Unit	3,273.93	
23 73 13 00-0136	EA		Removal And Reinstallation Of >11,500 To 16,500 CFM Air Handling Unit	4,441.15	
23 73 13 00-0137	EA		Removal And Reinstallation Of >16,500 To 22,000 CFM Air Handling Unit	5,524.75	
23 73 13 00-0138	EA		Removal And Reinstallation Of >22,000 CFM Air Handling Unit	10,080.26	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 73 Indoor Central-Station Air-Handling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**23 74 Packaged Outdoor HVAC Equipment** (23 70)

**23 74 16 Packaged Rooftop Air-Conditioning Units** (23 74)

**23 74 16 13 Packaged, Large-Capacity, Rooftop Air-Conditioning Units** (23 74 16)

**23 74 16 13-0001 Electric Cooling, Electric Heat, Self Contained Packaged Rooftop Air-Conditioning Units** (23 74 16 13)

Note: Electric heating capacity is approximately 1/2 the cooling capacity. Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0002	EA	2 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	6,474.90	2,318.50
		<i>For Unit Without Heat, Deduct</i>	-478.31	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
		<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0003	EA	3 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	7,265.55	2,423.89
		<i>For Unit Without Heat, Deduct</i>	-524.87	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
		<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0004	EA	4 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	8,567.24	2,529.28
		<i>For Unit Without Heat, Deduct</i>	-596.98	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
		<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0005	EA	5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,137.76	2,687.36
		<i>For Unit Without Heat, Deduct</i>	-686.05	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
		<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0006	EA	6 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	10,962.19	2,845.44
		<i>For Unit Without Heat, Deduct</i>	-737.81	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
		<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0007	EA	7.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	12,680.39	3,056.21
		<i>For Unit Without Heat, Deduct</i>	-837.77	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,149.85	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0008	EA	8.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,072.48	3,214.29
		<i>For Unit Without Heat, Deduct</i>	-967.91	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,149.85	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0009	EA	10 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	15,901.40	3,425.06
		<i>For Unit Without Heat, Deduct</i>	-1,023.41	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,175.88	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0010	EA	12.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	19,373.30	3,701.17
		<i>For Unit Without Heat, Deduct</i>	-1,215.45	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,269.96	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0011	EA	15 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	21,022.19	3,978.35
		<i>For Unit Without Heat, Deduct</i>	-1,316.33	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0012	EA	17.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	23,939.06	4,254.80
		<i>For Unit Without Heat, Deduct</i>	-1,480.62	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0013	EA	20 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	26,921.27	4,531.62
		<i>For Unit Without Heat, Deduct</i>	-1,648.17	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0014	EA	22.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	29,949.41	4,992.52
		<i>For Unit Without Heat, Deduct</i>	-1,830.32	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0015	EA	25 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	31,988.67	5,453.75
		<i>For Unit Without Heat, Deduct</i>	-1,963.02	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0016	EA	27.5 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	34,396.28	5,967.69
		<i>For Unit Without Heat, Deduct</i>	-2,117.65	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0017	EA	30 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	37,546.94	6,481.28
		<i>For Unit Without Heat, Deduct</i>	-2,309.43	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0018	EA	35 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	43,550.16	7,561.48
		<i>For Unit Without Heat, Deduct</i>	-2,681.61	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0019	EA	40 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	49,976.52	8,641.70
		<i>For Unit Without Heat, Deduct</i>	-3,074.94	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-2,224.56	
23 74 16 13-0020	EA	45 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit	54,763.29	9,748.25
		<i>For Unit Without Heat, Deduct</i>	-3,388.05	
		<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
		<i>For Unit Without Roof Curb, Deduct</i>	-2,224.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0021	EA		50 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	63,037.08	10,854.82
			<i>For Unit Without Heat, Deduct</i>	-3,875.51	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,224.56	
23 74 16 13-0022	EA		55 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	70,146.74	11,908.68
			<i>For Unit Without Heat, Deduct</i>	-4,301.25	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,748.45	
23 74 16 13-0023	EA		60 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	75,876.43	12,962.54
			<i>For Unit Without Heat, Deduct</i>	-4,657.99	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,748.45	
23 74 16 13-0024	EA		65 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	81,361.05	14,016.41
			<i>For Unit Without Heat, Deduct</i>	-5,002.48	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,826.37	
23 74 16 13-0025	EA		70 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	87,496.20	15,070.27
			<i>For Unit Without Heat, Deduct</i>	-5,379.50	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,826.37	
23 74 16 13-0026	EA		75 Ton Electric Cooling, Electric Heat, Self Contained Package Rooftop Unit .....	94,751.77	16,229.53
			<i>For Unit Without Heat, Deduct</i>	-5,819.56	
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-3,143.01	
<b>23 74 16 13-0027</b>			<b>Electric Cooling, Gas Heat, Self Contained Packaged Rooftop Air-Conditioning Units <small>(23 74 16 13)</small></b>		
			Note: Units < 5 tons have 14 SEER, units 5 to < 20 tons have 11 EER, and units 20 tons and over have 10 EER. Includes roof curb and economizer. Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment, 26 28 16 16-0001 for Disconnects.		
23 74 16 13-0028	EA		2 Ton Electric Cooling, 50 MBH Gas Heating, Self Contained Package Rooftop Unit.....	6,296.46	2,107.73
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0029	EA		3 Ton Electric Cooling, 60 To 80 MBH Gas Heating, Self Contained Package Rooftop Unit.....	7,340.50	2,423.89
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0030	EA		4 Ton Electric Cooling, 80 To 110 MBH Gas Heating, Self Contained Package Rooftop Unit.....	9,178.26	2,792.74
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0031	EA		5 Ton Electric Cooling, 100 To 120 MBH Gas Heating, Self Contained Package Rooftop Unit.....	10,369.72	3,003.51
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0032	EA		6 Ton Electric Cooling, 140 MBH Gas Heating, Self Contained Package Rooftop Unit.....	11,689.78	3,240.63
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,126.57	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0033	EA		7.5 Ton Electric Cooling, 150 To 180 MBH Gas Heating, Self Contained Package Rooftop Unit.....	13,567.34	3,398.72
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,149.85	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0034	EA		8.5 Ton Electric Cooling, 170 To 190 MBH Gas Heating, Self Contained Package Rooftop Unit.....	16,748.35	2,819.09
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,149.85	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0035	EA		10 Ton Electric Cooling, 200 To 240 MBH Gas Heating, Self Contained Package Rooftop Unit.....	17,243.31	3,793.92
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,175.88	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0036	EA		12.5 Ton Electric Cooling, 250 MBH Gas Heating, Self Contained Package Rooftop Unit.....	21,361.56	4,110.07
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-1,269.96	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0037	EA		15 Ton Electric Cooling, 300 MBH Gas Heating, Self Contained Package Rooftop Unit.....	23,224.16	4,426.24
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0038	EA		17.5 Ton Electric Cooling, 330 MBH Gas Heating, Self Contained Package Rooftop Unit.....	26,872.16	4,742.40
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0039	EA		20 Ton Electric Cooling, 350 MBH Gas Heating, Self Contained Package Rooftop Unit.....	33,771.74	5,058.55
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0040	EA		22.5 Ton Electric Cooling, 380 MBH Gas Heating, Self Contained Package Rooftop Unit.....	41,057.82	5,585.49
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0041	EA		25 Ton Electric Cooling, 400 MBH Gas Heating, Self Contained Package Rooftop Unit.....	48,343.89	6,042.17
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0042	EA		27.5 Ton Electric Cooling, 450 MBH Gas Heating, Self Contained Package Rooftop Unit.....	49,912.72	6,639.35
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0043	EA		30 Ton Electric Cooling, 500 MBH Gas Heating, Self Contained Package Rooftop Unit.....	52,180.96	7,166.29
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0044	EA		35 Ton Electric Cooling, 550 MBH Gas Heating, Self Contained Package Rooftop Unit.....	58,219.07	8,378.23
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0045	EA		40 Ton Electric Cooling, 600 MBH Gas Heating, Self Contained Package Rooftop Unit.....	64,785.58	9,590.17
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,224.56	
23 74 16 13-0046	EA		45 Ton Electric Cooling, 650 MBH Gas Heating, Self Contained Package Rooftop Unit.....	70,251.49	10,802.12
			<i>For Unit Without Factory Installed Economizer, Deduct</i>	-2,400.62	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,224.56	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 70 Central HVAC Equipment**

**23 74 Packaged Outdoor HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 74 16 13-0047	EA		50 Ton Electric Cooling, 750 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	75,155.91 -2,400.62 -2,224.56	12,014.07
23 74 16 13-0048	EA		55 Ton Electric Cooling, 800 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	82,663.93 -2,400.62 -2,748.45	13,226.01
23 74 16 13-0049	EA		60 Ton Electric Cooling, 850 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	89,870.61 -2,400.62 -2,748.45	14,437.96
23 74 16 13-0050	EA		65 Ton Electric Cooling, 900 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	96,833.06 -2,400.62 -2,826.37	15,043.92
23 74 16 13-0051	EA		70 Ton Electric Cooling, 950 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	103,862.15 -2,400.62 -2,826.37	15,623.56
23 74 16 13-0052	EA		75 Ton Electric Cooling, 1,000 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	113,902.74 -2,400.62 -3,143.01	16,229.53
23 74 16 13-0053	EA		80 Ton Electric Cooling, 1,100 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	108,832.46 -2,400.62 -3,143.01	16,861.85
23 74 16 13-0054	EA		90 Ton Electric Cooling, 1,200 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	155,933.56 -2,400.62 -3,143.01	19,812.66
23 74 16 13-0055	EA		100 Ton Electric Cooling, 1,350 MBH Gas Heating, Self Contained Package Rooftop Unit..... <i>For Unit Without Factory Installed Economizer, Deduct</i> <i>For Unit Without Roof Curb, Deduct</i>	176,159.56 -2,400.62 -3,143.01	24,133.52
23 74 16 13-0056			<b>Heat Pump, Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13)</small> See CSI section 01 22 23 00-0735 for crane lifting equipment, 26 28 16 16-0001 for disconnects.		
23 74 16 13-0057			<b>Packaged Rooftop Heat Pump Units</b> <small>(23 74 16 13-0056)</small> Note: Includes evaporator and condenser coils, electric heat, thermostatic expansion valve, compressor, evaporator and condenser fans, refrigerant charge, filter section with filter, operation and safety controls, motors, condensate drain pan, condenser coil guards, manual outside air damper, and roof curb. Excludes crane and associated personnel.		
23 74 16 13-0058	EA		2 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,378.90 2,283.06 242.48 -823.94	1,896.95
23 74 16 13-0059	EA		2.5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	7,781.77 2,422.68 253.14 -823.94	2,039.30
23 74 16 13-0060	EA		3 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	8,237.92 2,573.48 266.46 -823.94	2,181.50
23 74 16 13-0061	EA		3.5 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i>	8,842.06 285.60 -823.94 2,536.04	2,347.45
23 74 16 13-0062	EA		4 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i>	9,446.44 304.76 -823.94 2,711.82	2,513.54
23 74 16 13-0063	EA		5 Ton Packaged Rooftop Heat Pump ..... <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	10,127.46 -823.94 2,911.06 260.93	2,703.24
23 74 16 13-0064	EA		6 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i>	11,357.07 224.05 -823.94 3,213.99	2,916.53
23 74 16 13-0065	EA		7.5 Ton Packaged Rooftop Heat Pump ..... <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i>	14,399.40 309.63 -988.73 3,277.74	3,058.88
23 74 16 13-0066	EA		8.5 Ton Packaged Rooftop Heat Pump ..... <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i> <i>For Unit Without Roof Curb, Deduct</i>	16,068.87 3,481.48 350.23 -988.73	3,295.93
23 74 16 13-0067	EA		10 Ton Packaged Rooftop Heat Pump ..... <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	17,238.79 -988.73 3,544.96 253.72	3,414.53
23 74 16 13-0068	EA		12.5 Ton Packaged Rooftop Heat Pump ..... <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	19,920.61 -988.73 3,964.90 299.77	3,699.07
23 74 16 13-0069	EA		15 Ton Packaged Rooftop Heat Pump ..... <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	22,602.43 -988.73 4,384.84 345.82	3,983.61
23 74 16 13-0070	EA		17.5 Ton Packaged Rooftop Heat Pump ..... <i>For Unit Without Roof Curb, Deduct</i> <i>For Economizer With Outside Air Control, Add</i> <i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	25,256.95 -988.73 4,802.04 391.32	4,268.16



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 74 16 13-0071	EA		20 Ton Packaged Rooftop Heat Pump .....	27,911.47	4,552.69
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
			<i>For Economizer With Outside Air Control, Add</i>	5,219.26	
			<i>For Upgrade Of Economizer To OS Air Enthalpy Control, Add</i>	436.82	

**23 74 16 13-0072 Heating Only Packaged Rooftop Units** (23 74 16 13-0056)

Note: Includes throwaway filters, filter rack, manual outside air damper, roof curbs and electric heat. Units are shipped fully factory assembled in one piece, prewired and include start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment, 26 28 16 16-0001 for disconnects.

23 74 16 13-0073	EA		24 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	7,432.42	1,896.95
			<i>For Gas Heat, Add</i>	469.68	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0074	EA		32 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	8,718.15	2,181.50
			<i>For Gas Heat, Add</i>	552.10	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0075	EA		45 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	11,790.63	2,513.54
			<i>For Gas Heat, Add</i>	758.32	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0076	EA		60 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	13,261.92	2,703.24
			<i>For Gas Heat, Add</i>	856.25	
			<i>For Unit Without Roof Curb, Deduct</i>	-823.94	
23 74 16 13-0077	EA		95 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	15,548.84	3,058.88
			<i>For Gas Heat, Add</i>	1,006.85	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0078	EA		112 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	17,469.66	3,295.93
			<i>For Gas Heat, Add</i>	1,134.98	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0079	EA		140 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	20,528.01	3,414.53
			<i>For Gas Heat, Add</i>	1,345.91	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0080	EA		170 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	26,528.70	3,983.61
			<i>For Gas Heat, Add</i>	1,750.78	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0081	EA		200 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	34,738.26	4,268.16
			<i>For Gas Heat, Add</i>	2,317.86	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0082	EA		230 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	40,421.97	4,552.69
			<i>For Gas Heat, Add</i>	2,708.13	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0083	EA		270 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	52,292.88	5,026.94
			<i>For Gas Heat, Add</i>	3,526.45	
			<i>For Unit Without Roof Curb, Deduct</i>	-988.73	
23 74 16 13-0084	EA		330 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	65,304.24	6,396.97
			<i>For Gas Heat, Add</i>	4,411.95	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0085	EA		360 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	80,081.38	6,449.66
			<i>For Gas Heat, Add</i>	5,433.71	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0086	EA		450 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	97,448.64	7,540.48
			<i>For Gas Heat, Add</i>	6,620.33	
			<i>For Unit Without Roof Curb, Deduct</i>	-1,494.62	
23 74 16 13-0087	EA		540 MBH Electric Heating Only, Self Contained Package Rooftop Unit .....	126,373.65	9,721.98
			<i>For Gas Heat, Add</i>	8,586.90	
			<i>For Unit Without Roof Curb, Deduct</i>	-2,224.56	

**23 74 23 Packaged, Outdoor, Heating-Only Makeup-Air Units** (23 74)

**23 74 23 13 Packaged, Direct-Fired, Outdoor, Heating-Only Makeup-Air Units** (23 74 23)

**23 74 23 13-0001 Make-Up Air Units** (23 74 23 13)

Note: Units are shipped fully factory assembled in one piece, prewired, prepiped, charged with refrigerant. Includes throwaway filters and start-up. Excludes crane and associated personnel. See CSI section 01 22 23 00-0735 for crane lifting equipment.

**23 74 23 13-0002 Gas-Fired Electric Spark Make-Up Air Units** (23 74 23 13-0001)

Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0736 for crane lifting equipment.

23 74 23 13-0003	EA		100,000 BTU 1/2 HP, 1,200 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	8,293.45	632.32
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,171.88	
			<i>For Equipment Base Roof Curb, Add</i>	1,005.07	
23 74 23 13-0004	EA		300,000 BTU 1-1/2 HP, 3,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	10,694.75	716.63
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	2,846.60	
			<i>For Equipment Base Roof Curb, Add</i>	1,300.66	
23 74 23 13-0005	EA		500,000 BTU 2 HP, 4,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	14,838.17	843.10
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,029.91	
			<i>For Equipment Base Roof Curb, Add</i>	1,812.62	
23 74 23 13-0006	EA		670,000 BTU 3 HP, 6,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	14,975.42	899.29
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,039.47	
			<i>For Equipment Base Roof Curb, Add</i>	1,826.61	
23 74 23 13-0007	EA		800,000 BTU 5 HP, 7,500 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	20,405.49	1,011.71
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	5,615.79	
			<i>For Equipment Base Roof Curb, Add</i>	2,500.10	
23 74 23 13-0008	EA		1,200,000 BTU 10 HP, 10,000 CFM, Make-up Air Unit, Gas Fired, Electric Spark .....	30,869.26	1,264.64
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,628.46	
			<i>For Equipment Base Roof Curb, Add</i>	3,795.43	



23 Heating, Ventilating, and Air-Conditioning (HVAC)

23 70 Central HVAC Equipment

23 74 Packaged Outdoor HVAC Equipment

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 74 23 13-0009			<b>Electric Make-Up Air Units</b> <small>(23 74 23 13-0001)</small> Note: With 2-position damper curb filter and thermostat with capillary. Excludes crane and associated personnel. See CSI section 01 22 23 00-0736 for crane lifting equipment.		
23 74 23 13-0010	EA		33 KW, 1/2 HP, 1,200 CFM Make-up Air Unit, Electric.....	16,948.31	632.32
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	4,768.33	
			<i>For Equipment Base Roof Curb, Add</i>	2,086.92	
23 74 23 13-0011	EA		100 KW, 1-1/2 HP, 3,500 CFM Make-up Air Unit, Electric.....	24,202.13	716.63
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	6,898.81	
			<i>For Equipment Base Roof Curb, Add</i>	2,989.08	
23 74 23 13-0012	EA		150 KW, 2 HP, 4,000 CFM Make-up Air Unit, Electric.....	29,975.93	843.10
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	8,571.23	
			<i>For Equipment Base Roof Curb, Add</i>	3,704.84	
23 74 23 13-0013	EA		250 KW, 5 HP, 7,500 CFM Make-up Air Unit, Electric.....	38,765.31	1,011.71
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	11,123.74	
			<i>For Equipment Base Roof Curb, Add</i>	4,795.08	
23 74 23 13-0014	EA		400 KW, 10 HP, 10,000 CFM Make-up Air Unit, Electric.....	62,613.74	1,264.64
			<i>For Welded Exterior Waterproof Casing, Double-Wall, With Insulation, Add</i>	18,151.80	
			<i>For Equipment Base Roof Curb, Add</i>	7,763.49	

23 80 Decentralized Unitary HVAC Equipment (23)

23 81 Decentralized Unitary HVAC Equipment (23 80)

23 81 13 Packaged Terminal Air-Conditioners (23 81)

23 81 13 11 Packaged Terminal Air-Conditioners, Through-Wall Units (23 81 13)

23 81 13 11-0001			<b>Packaged Terminal Air-Conditioners</b> <small>(23 81 13 11)</small>		
23 81 13 11-0002			<b>Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioners</b> <small>(23 81 13 11-0001)</small>		
23 81 13 11-0003	EA		7,200 BTU, 13 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,116.76	237.57
			<i>For &gt;35 To 70, Deduct</i>	-49.25	
			<i>For &gt;70 To 100, Deduct</i>	-82.08	
			<i>For &gt;100, Deduct</i>	-114.91	
23 81 13 11-0004	EA		9,400 BTU, 12.1 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,312.71	321.91
			<i>For &gt;35 To 70, Deduct</i>	-50.09	
			<i>For &gt;70 To 100, Deduct</i>	-83.48	
			<i>For &gt;100, Deduct</i>	-116.87	
23 81 13 11-0005	EA		11,800 BTU, 11.6 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,449.07	343.08
			<i>For &gt;35 To 70, Deduct</i>	-52.86	
			<i>For &gt;70 To 100, Deduct</i>	-88.11	
			<i>For &gt;100, Deduct</i>	-123.35	
23 81 13 11-0006	EA		14,500 BTU, 10.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,645.65	368.77
			<i>For &gt;35 To 70, Deduct</i>	-57.25	
			<i>For &gt;70 To 100, Deduct</i>	-95.42	
			<i>For &gt;100, Deduct</i>	-133.59	
23 81 13 11-0007			<b>Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioners</b> <small>(23 81 13 11-0001)</small>		
23 81 13 11-0008	EA		7,200 BTU, 13 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,325.77	285.64
			<i>For &gt;35 To 70, Deduct</i>	-52.66	
			<i>For &gt;70 To 100, Deduct</i>	-87.77	
			<i>For &gt;100, Deduct</i>	-122.88	
23 81 13 11-0009	EA		9,400 BTU, 12.1 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,461.16	321.91
			<i>For &gt;35 To 70, Deduct</i>	-54.54	
			<i>For &gt;70 To 100, Deduct</i>	-90.90	
			<i>For &gt;100, Deduct</i>	-127.26	
23 81 13 11-0010	EA		11,800 BTU, 11.6 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,556.65	343.08
			<i>For &gt;35 To 70, Deduct</i>	-56.09	
			<i>For &gt;70 To 100, Deduct</i>	-93.48	
			<i>For &gt;100, Deduct</i>	-130.88	
23 81 13 11-0011	EA		14,500 BTU, 10.4 EER, 230/208 Volt, Heat Pump, Heating And Cooling, Packaged Terminal Air-Conditioner.....	2,787.65	368.77
			<i>For &gt;35 To 70, Deduct</i>	-61.51	
			<i>For &gt;70 To 100, Deduct</i>	-102.52	
			<i>For &gt;100, Deduct</i>	-143.53	
23 81 13 11-0012			<b>Packaged Terminal Air-Conditioners, Through-Wall Unit Sleeve</b> <small>(23 81 13 11)</small> Note: Includes wall case, exterior grille, weather panel and steel closure panels. Includes bolts, nuts, washers, caulking and lintel supports. Not for use with new A/C units where wall sleeve is provided. Excludes cutting opening for unit or patching masonry or concrete.		
23 81 13 11-0013	EA		Up To 10,000 BTU Unit, Thru Wall A/C Sleeve.....	100.33	
23 81 13 11-0014	EA		>10,000 To 20,000 BTU Unit, Thru Wall A/C Sleeve.....	112.82	
23 81 13 11-0015	EA		>20,000 To 30,000 BTU Unit, Thru Wall A/C Sleeve.....	125.33	
23 81 13 11-0016			<b>Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units</b> <small>(23 81 13 11)</small> Note: Includes storage and cleaning.		
23 81 13 11-0017	EA		Removal And Reinstallation Of Packaged Terminal Air-Conditioners, Through-Wall Units.....	253.41	

23 81 13 13 Packaged Terminal Air-Conditioners, Outdoor, Wall-Mounted Units (23 81 13)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 81 13 13-0001 Single Package Vertical Wall Cooling Unit (23 81 13 13)**

Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0736 for crane lifting equipment.

23 81 13 13-0002	EA		1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	5,184.67	288.19
23 81 13 13-0003	EA		1 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	8,013.50	301.91
23 81 13 13-0004	EA		1-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	10,471.01	315.63
23 81 13 13-0005	EA		2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	12,039.69	343.08
23 81 13 13-0006	EA		2-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	15,097.42	397.97
23 81 13 13-0007	EA		3 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	16,205.80	494.03
23 81 13 13-0008	EA		3-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	17,942.70	548.93
23 81 13 13-0009	EA		4 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	19,759.28	617.54
23 81 13 13-0010	EA		5 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	22,237.18	741.05
23 81 13 13-0011	EA		7-1/2 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	28,742.60	919.45
23 81 13 13-0012	EA		10 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	34,299.93	1,235.08
23 81 13 13-0013	EA		15 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	48,068.54	1,509.55
23 81 13 13-0014	EA		20 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	55,383.57	1,797.73
23 81 13 13-0015	EA		25 Ton Single Package Cooling, Vertical Wall Unit, Air To Air Type With Electric Heat	66,180.32	2,017.30

**23 81 16 Room Air-Conditioners (23 81)**

**23 81 16 00-0001 Window Unit, Room Air-Conditioners (23 81 16)**

**23 81 16 00-0002 Cooling Only, Window Unit, Room Air-Conditioners (23 81 16 00-0001)**

**23 81 16 00-0003 Cooling Only, Window Unit, Room Air-Conditioners (Frigidaire) (23 81 16 00-0002)**

23 81 16 00-0004	EA		5,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0533Q1)	525.66	133.05
			For >10 To 50, Deduct	-12.98	
			For >50 To 75, Deduct	-18.17	
			For >75 To 100, Deduct	-25.96	
			For >100, Deduct	-31.15	
23 81 16 00-0005	EA		6,000 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0633Q1)	551.74	133.05
			For >10 To 50, Deduct	-14.28	
			For >50 To 75, Deduct	-20.00	
			For >75 To 100, Deduct	-28.57	
			For >100, Deduct	-34.28	
23 81 16 00-0006	EA		8,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE0833U1)	616.96	133.05
			For >10 To 50, Deduct	-17.54	
			For >50 To 75, Deduct	-24.56	
			For >75 To 100, Deduct	-35.09	
			For >100, Deduct	-42.11	
23 81 16 00-0007	EA		10,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1033U1)	708.27	133.05
			For >10 To 50, Deduct	-22.11	
			For >50 To 75, Deduct	-30.95	
			For >75 To 100, Deduct	-44.22	
			For >100, Deduct	-53.06	
23 81 16 00-0008	EA		12,000 BTU, 11.3 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1233Q1)	825.67	133.05
			For >10 To 50, Deduct	-27.98	
			For >50 To 75, Deduct	-39.17	
			For >75 To 100, Deduct	-55.96	
			For >100, Deduct	-67.15	
23 81 16 00-0009	EA		15,100 BTU, 11.2 EER, 115 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1533Q1)	956.11	133.05
			For >10 To 50, Deduct	-34.50	
			For >50 To 75, Deduct	-48.30	
			For >75 To 100, Deduct	-69.00	
			For >100, Deduct	-82.80	
23 81 16 00-0010	EA		8,000 BTU, 10.9 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS0833Q1)	903.93	133.05
			For >10 To 50, Deduct	-31.89	
			For >50 To 75, Deduct	-44.65	
			For >75 To 100, Deduct	-63.79	
			For >100, Deduct	-76.54	
23 81 16 00-0011	EA		10,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1022Q1)	969.15	133.05
			For >10 To 50, Deduct	-35.15	
			For >50 To 75, Deduct	-49.21	
			For >75 To 100, Deduct	-70.31	
			For >100, Deduct	-84.37	
23 81 16 00-0012	EA		12,000 BTU, 9.5 EER, 115 Volt, Cooling Only, Casement Window Unit, Room Air-Conditioner (Frigidaire FFRS1222Q1)	1,021.33	133.05
			For >10 To 50, Deduct	-37.76	
			For >50 To 75, Deduct	-52.87	
			For >75 To 100, Deduct	-75.53	
			For >100, Deduct	-90.63	
23 81 16 00-0013	EA		18,500 BTU, 11.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE1833Q2)	1,073.50	133.05
			For >10 To 50, Deduct	-40.37	
			For >50 To 75, Deduct	-56.52	
			For >75 To 100, Deduct	-80.74	
			For >100, Deduct	-96.89	
23 81 16 00-0014	EA		22,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2233S2)	1,177.86	133.05
			For >10 To 50, Deduct	-45.59	
			For >50 To 75, Deduct	-63.82	
			For >75 To 100, Deduct	-91.18	
			For >100, Deduct	-109.41	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 16 00-0015	EA		25,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRE2533S2).....	1,190.90	133.05
			<i>For &gt;10 To 50, Deduct</i>	-46.24	
			<i>For &gt;50 To 75, Deduct</i>	-64.74	
			<i>For &gt;75 To 100, Deduct</i>	-92.48	
			<i>For &gt;100, Deduct</i>	-110.98	
23 81 16 00-0016	EA		28,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Frigidaire FFRA2822R2).....	1,977.38	133.05
			<i>For &gt;10 To 50, Deduct</i>	-85.57	
			<i>For &gt;50 To 75, Deduct</i>	-119.79	
			<i>For &gt;75 To 100, Deduct</i>	-171.13	
			<i>For &gt;100, Deduct</i>	-205.36	
23 81 16 00-0017			<b>Cooling Only, Window Unit, Room Air-Conditioners (Friedrich Kuhl)</b> (23 81 16 00-0002)		
23 81 16 00-0018	EA		8,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS08N10C).....	2,096.72	133.05
23 81 16 00-0019	EA		10,000 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS10N10C).....	2,300.33	133.05
23 81 16 00-0020	EA		11,900 BTU, 12.2 EER, 110 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N10C).....	2,392.88	133.05
23 81 16 00-0021	EA		12,000 BTU, 12.2 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SS12N30C).....	2,429.90	133.05
23 81 16 00-0022	EA		20,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SM18N30C).....	2,763.08	133.05
23 81 16 00-0023	EA		24,000 BTU, 10.4 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL24N30C).....	3,596.03	133.05
23 81 16 00-0024	EA		28,000 BTU, 10.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL28N30C).....	3,873.68	133.05
23 81 16 00-0025	EA		36,000 BTU, 9.0 EER, 230/208 Volt, Cooling Only, Window Unit, Room Air-Conditioner (Friedrich SL36N30B).....	4,243.88	133.05
23 81 16 00-0026			<b>Heating And Cooling, Window Unit, Room Air-Conditioners</b> (23 81 16 00-0001)		
23 81 16 00-0027			<b>Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Frigidaire)</b> (23 81 16 00-0026)		
23 81 16 00-0028	EA		8,000 BTU, 9.8 EER, 115 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH0822R1).....	1,021.33	133.05
			<i>For &gt;10 To 50, Deduct</i>	-37.76	
			<i>For &gt;50 To 75, Deduct</i>	-52.87	
			<i>For &gt;75 To 100, Deduct</i>	-75.53	
			<i>For &gt;100, Deduct</i>	-90.63	
23 81 16 00-0029	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1222R2).....	1,164.81	133.05
			<i>For &gt;10 To 50, Deduct</i>	-44.94	
			<i>For &gt;50 To 75, Deduct</i>	-62.91	
			<i>For &gt;75 To 100, Deduct</i>	-89.87	
			<i>For &gt;100, Deduct</i>	-107.85	
23 81 16 00-0030	EA		18,500 BTU, 10.7 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH1822R2).....	1,243.08	133.05
			<i>For &gt;10 To 50, Deduct</i>	-48.85	
			<i>For &gt;50 To 75, Deduct</i>	-68.39	
			<i>For &gt;75 To 100, Deduct</i>	-97.70	
			<i>For &gt;100, Deduct</i>	-117.24	
23 81 16 00-0031	EA		25,000 BTU, 9.4 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Frigidaire FFRH2522R2).....	1,530.04	133.05
			<i>For &gt;10 To 50, Deduct</i>	-63.20	
			<i>For &gt;50 To 75, Deduct</i>	-88.48	
			<i>For &gt;75 To 100, Deduct</i>	-126.40	
			<i>For &gt;100, Deduct</i>	-151.68	
23 81 16 00-0032			<b>Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioners (Friedrich)</b> (23 81 16 00-0026)		
23 81 16 00-0033	EA		12,000 BTU, 11.3 EER, 230/208 Volt, Electric Heat, Heating And Cooling, Window Unit, Room Air-Conditioner (Friedrich ES12N33B).....	2,522.45	133.05
23 81 16 00-0034			<b>Accessories</b> (23 81 16 00-0001)		
23 81 16 00-0035	EA		Epoxy Coated Steel, Heavy Duty Window Air Conditioning Unit Support.....	201.52	56.67
23 81 16 00-0036	SET		Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly Installed In The Lower Sash (Ritter).....	653.28	83.12
23 81 16 00-0037	SET		Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly Installed In The Upper Sash (Ritter).....	777.77	148.11
23 81 16 00-0038	SET		Aluminum, Window Air Conditioning Unit Frame And Bracket Assembly With Ducts Installed In The Lower Sash (Ritter).....	1,025.34	128.46
23 81 16 00-0039			<b>Removal And Reinstallation Of Room Air-Conditioners</b> (23 81 16)		
			Note: Includes storage and cleaning.		
23 81 16 00-0040	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Lower Sash.....	158.39	
23 81 16 00-0041	EA		Removal And Reinstallation Of Room Air-Conditioning Unit In Window Upper Sash.....	337.42	
23 81 16 00-0042			<b>Through-The-Wall, Room Air-Conditioners</b> (23 81 16)		
			Note: Base unit excludes wall sleeve.		
23 81 16 00-0043			<b>Cooling Only, Through-The-Wall, Room Air-Conditioners</b> (23 81 16 00-0042)		
23 81 16 00-0044			<b>Cooling Only, Through-The-Wall, Room Air-Conditioners (Friedrich)</b> (23 81 16 00-0043)		
23 81 16 00-0045	EA		8,000 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS08D10A).....	1,576.46	95.03
			<i>For &gt;10 To 50, Deduct</i>	-69.32	
			<i>For &gt;50 To 75, Deduct</i>	-97.05	
			<i>For &gt;75 To 100, Deduct</i>	-138.64	
			<i>For &gt;100, Deduct</i>	-166.37	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 16 00-0046	EA		9,800 BTU, 10.7 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D10B).....	1,706.03	95.03
			<i>For &gt;10 To 50, Deduct</i>	-75.80	
			<i>For &gt;50 To 75, Deduct</i>	-106.12	
			<i>For &gt;75 To 100, Deduct</i>	-151.60	
			<i>For &gt;100, Deduct</i>	-181.92	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	
23 81 16 00-0047	EA		12,000 BTU, 9.8 EER, 115 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D10A).....	1,946.66	95.03
			<i>For &gt;10 To 50, Deduct</i>	-87.83	
			<i>For &gt;50 To 75, Deduct</i>	-122.96	
			<i>For &gt;75 To 100, Deduct</i>	-175.66	
			<i>For &gt;100, Deduct</i>	-210.79	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	
23 81 16 00-0048	EA		10,000 BTU, 10.7 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS10D30A).....	1,706.03	95.03
			<i>For &gt;10 To 50, Deduct</i>	-75.80	
			<i>For &gt;50 To 75, Deduct</i>	-106.12	
			<i>For &gt;75 To 100, Deduct</i>	-151.60	
			<i>For &gt;100, Deduct</i>	-181.92	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	
23 81 16 00-0049	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Cooling Only, Through-The-Wall, Room Air-Conditioner (Friedrich WS12D30A).....	1,946.66	95.03
			<i>For &gt;10 To 50, Deduct</i>	-87.83	
			<i>For &gt;50 To 75, Deduct</i>	-122.96	
			<i>For &gt;75 To 100, Deduct</i>	-175.66	
			<i>For &gt;100, Deduct</i>	-210.79	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	

**23 81 16 00-0050 Heating And Cooling, Through-The-Wall, Room Air-Conditioners** (23 81 16 00-0042)

**23 81 16 00-0051 Electric Heat, Heating And Cooling, Through-The-Wall, Room Air-Conditioners (Friedrich)** (23 81 16 00-0050)

23 81 16 00-0052	EA		10,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE10D33).....	2,002.19	95.03
			<i>For &gt;10 To 50, Deduct</i>	-90.61	
			<i>For &gt;50 To 75, Deduct</i>	-126.85	
			<i>For &gt;75 To 100, Deduct</i>	-181.21	
			<i>For &gt;100, Deduct</i>	-217.46	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	
23 81 16 00-0053	EA		12,000 BTU, 9.8 EER, 230/208 Volt, Heating And Cooling, Through-The-Wall, Room Air-Conditioner (Friedrich WE12D33).....	2,150.27	95.03
			<i>For &gt;10 To 50, Deduct</i>	-98.01	
			<i>For &gt;50 To 75, Deduct</i>	-137.21	
			<i>For &gt;75 To 100, Deduct</i>	-196.02	
			<i>For &gt;100, Deduct</i>	-235.23	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	

**23 81 23 Computer-Room Air-Conditioners** (23 81)

**23 81 23 12 Large-Capacity, Computer-Room Air-Conditioners, Floor Mounted Units** (23 81 23)

**23 81 23 12-0001 Floor Mounted Air Cooled Direct Expansion Type** (23 81 23 12)

Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquid sensors, floor stand, and outdoor air cooled condenser complete with fan speed control. Excludes precharged copper pipe.

23 81 23 12-0002	EA		3 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	40,995.29	2,704.42
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	4,616.77	
23 81 23 12-0003	EA		5 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	45,247.54	2,957.97
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	5,098.26	
23 81 23 12-0004	EA		6 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	62,672.13	3,380.53
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,205.51	
23 81 23 12-0005	EA		8 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	68,605.81	3,591.81
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	7,907.94	
23 81 23 12-0006	EA		10 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	74,539.49	3,803.10
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	8,610.37	
23 81 23 12-0007	EA		16 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	83,495.56	4,563.72
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	9,576.17	
23 81 23 12-0008	EA		20 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	94,348.16	5,070.79
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	10,850.76	
23 81 23 12-0009	EA		22 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	98,714.00	5,238.04
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	11,360.44	
23 81 23 12-0010	EA		24 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	107,489.19	5,408.85
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	12,420.87	
23 81 23 12-0011	EA		30 Ton Air Cooled Computer Room Air Conditioner, Direct Expansion Type.....	116,250.12	6,084.95
			Note: Includes interior unit and remote condenser. Excludes piping.		
			<i>For Liebert Unit, Add</i>	13,399.96	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0012			<b>Floor Mounted Chilled Water Type</b> <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, freestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for chilled water source.		
23 81 23 12-0013	EA		3 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	24,506.29	1,853.08
			<i>For Liebert Unit, Add</i>	2,754.44	
23 81 23 12-0014	EA		5 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	26,341.53	2,052.64
			<i>For Liebert Unit, Add</i>	2,950.59	
23 81 23 12-0015	EA		12 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	32,642.98	3,126.48
			<i>For Liebert Unit, Add</i>	3,559.29	
23 81 23 12-0016	EA		16 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	34,117.54	3,167.66
			<i>For Liebert Unit, Add</i>	3,736.81	
23 81 23 12-0017	EA		20 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	35,430.91	3,294.37
			<i>For Liebert Unit, Add</i>	3,877.69	
23 81 23 12-0018	EA		22 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	36,287.21	3,611.13
			<i>For Liebert Unit, Add</i>	3,934.04	
23 81 23 12-0019	EA		31 Ton Computer Room Air Conditioner, Chilled Water Type, Excludes Water Source .....	38,502.28	3,927.90
			<i>For Liebert Unit, Add</i>	4,159.46	
23 81 23 12-0020			<b>Floor Mounted Water Source</b> <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, freestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes water source.		
23 81 23 12-0021	EA		3 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	19,026.56	1,690.26
			<i>For Liebert Unit, Add</i>	2,062.56	
23 81 23 12-0022	EA		5 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	20,930.47	1,774.78
			<i>For Liebert Unit, Add</i>	2,284.69	
23 81 23 12-0023	EA		6 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	27,085.17	1,859.29
			<i>For Liebert Unit, Add</i>	3,038.32	
23 81 23 12-0024	EA		8 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	29,192.79	2,028.32
			<i>For Liebert Unit, Add</i>	3,268.37	
23 81 23 12-0025	EA		9 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	30,715.89	2,113.09
			<i>For Liebert Unit, Add</i>	3,442.90	
23 81 23 12-0026	EA		10 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	32,239.01	2,197.34
			<i>For Liebert Unit, Add</i>	3,617.42	
23 81 23 12-0027	EA		12 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	33,513.94	2,366.37
			<i>For Liebert Unit, Add</i>	3,744.35	
23 81 23 12-0028	EA		16 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	34,995.06	2,535.40
			<i>For Liebert Unit, Add</i>	3,903.01	
23 81 23 12-0029	EA		20 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	36,051.71	2,704.42
			<i>For Liebert Unit, Add</i>	4,005.25	
23 81 23 12-0030	EA		25 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	41,185.23	3,211.50
			<i>For Liebert Unit, Add</i>	4,548.22	
23 81 23 12-0031	EA		30 Ton Chilled Water Source For Computer Room Air Conditioner, Chilled Water Unit .....	49,216.81	3,521.43
			<i>For Liebert Unit, Add</i>	5,492.17	
23 81 23 12-0032			<b>Floor Mounted Glycol System Type</b> <small>(23 81 23 12)</small> Note: Includes mode alert monitor, non-locking disconnect switch, freestat, infrared humidifier, auto flush on humidifier, two liquitect sensors, floor stand. Excludes chilled water source. See CSI section 23 81 23 12-0020 for water source.		
23 81 23 12-0033	EA		3 Ton Computer Room Air Conditioner, Glycol System Type .....	49,714.78	1,853.08
			<i>For Drycooler, Add</i>	17,770.79	
			<i>Note: Installation is externally mounted.</i>		
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	
23 81 23 12-0034	EA		5 Ton Computer Room Air Conditioner, Glycol System Type .....	53,496.21	2,052.64
			<i>For Drycooler, Add</i>	19,134.20	
			<i>Note: Installation is externally mounted.</i>		
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	
23 81 23 12-0035	EA		6 Ton Computer Room Air Conditioner, Glycol System Type .....	69,987.32	2,299.72
			<i>For Drycooler, Add</i>	24,955.51	
			<i>Note: Installation is externally mounted.</i>		
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	
23 81 23 12-0036	EA		8 Ton Computer Room Air Conditioner, Glycol System Type .....	80,975.12	2,546.80
			<i>For Drycooler, Add</i>	28,850.65	
			<i>Note: Installation is externally mounted.</i>		
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	
23 81 23 12-0037	EA		9 Ton Computer Room Air Conditioner, Glycol System Type .....	85,551.65	2,670.34
			<i>For Drycooler, Add</i>	30,477.15	
			<i>Note: Installation is externally mounted.</i>		
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	
23 81 23 12-0038	EA		10 Ton Computer Room Air Conditioner, Glycol System Type .....	91,365.33	2,793.88
			<i>For Drycooler, Add</i>	32,536.64	
			<i>Note: Installation is externally mounted.</i>		
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	
23 81 23 12-0039	EA		12 Ton Computer Room Air Conditioner, Glycol System Type .....	97,565.28	2,918.05
			<i>For Drycooler, Add</i>	34,731.33	
			<i>Note: Installation is externally mounted.</i>		
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	
23 81 23 12-0040	EA		15 Ton Computer Room Air Conditioner, Glycol System Type .....	104,764.20	3,028.29
			<i>For Drycooler, Add</i>	37,275.66	
			<i>Note: Installation is externally mounted.</i>		
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	
23 81 23 12-0041	EA		16 Ton Computer Room Air Conditioner, Glycol System Type .....	111,571.57	3,167.66
			<i>For Drycooler, Add</i>	39,686.75	
			<i>Note: Installation is externally mounted.</i>		
			<i>For 10 HP Glycol Pump, Add</i>	21,500.00	
			<i>For Remote Pump Control Panel, Add</i>	7,630.00	
			<i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	8,700.00	



<b>Heating, Ventilating, and Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Decentralized Unitary HVAC Equipment</b>	<b>23 80</b>
<b>Decentralized Unitary HVAC Equipment</b>	<b>23 81</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 23 12-0042 EA 20 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Drycooler, Add</i> <i>Note: Installation is externally mounted.</i> <i>For 10 HP Glycol Pump, Add</i> <i>For Remote Pump Control Panel, Add</i> <i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	122,396.41 43,500.15 21,500.00 7,630.00 8,700.00	3,294.37
23 81 23 12-0043 EA 22 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Drycooler, Add</i> <i>Note: Installation is externally mounted.</i> <i>For 10 HP Glycol Pump, Add</i> <i>For Remote Pump Control Panel, Add</i> <i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	126,866.84 45,125.63 21,500.00 7,630.00 8,700.00	3,611.13
23 81 23 12-0044 EA 30 Ton Computer Room Air Conditioner, Glycol System Type ..... <i>For Drycooler, Add</i> <i>Note: Installation is externally mounted.</i> <i>For 10 HP Glycol Pump, Add</i> <i>For Remote Pump Control Panel, Add</i> <i>For Integrated Fluid Econocoil (Economizer Functionality), Add</i>	154,696.22 54,927.67 21,500.00 7,630.00 8,700.00	3,927.90
<b>23 81 23 12-0045 Removal And Reinstallation Of Computer Room Unit</b> <small>(23 81 23 12)</small> <i>Note: Includes storage and cleaning. Excludes main mechanical piping. Reconnection of existing valves are included.</i>		
23 81 23 12-0046 EA Removal And Reinstallation Up To 6 Ton, Floor Mounted Chilled Water Computer Room Unit.....	2,534.13	
23 81 23 12-0047 EA Removal And Reinstallation Up To 6 Ton Direct Expansion Computer Room Unit .....	2,111.77	
<b>23 81 23 13 Computer-Room Air-Conditioners, Ceiling Mounted Units</b> <small>(23 81 23)</small>		
<b>23 81 23 13-0001 Ceiling Mounted Packaged Computer Room Air Conditioner</b> <small>(23 81 23 13)</small> <i>Note: Includes compressor sequence switch, mode alert monitor, non-locking disconnect switch, firestat, infrared humidifier, auto flush on humidifier, two liquidect sensors, floor stand, and outdoor air cooled condenser complete with fan speed control.</i>		
23 81 23 13-0002 EA 1 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	16,253.17 1,881.09	803.31
23 81 23 13-0003 EA 1.5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	17,973.77 2,065.92	964.74
23 81 23 13-0004 EA 2 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	20,532.65 2,340.32	1,207.39
23 81 23 13-0005 EA 3 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	25,224.79 2,889.13	1,408.59
23 81 23 13-0006 EA 5 Ton Packaged Computer Room Air Conditioner, Ceiling Mounted, Split System ..... <i>For Liebert Unit, Add</i>	34,189.32 3,986.74	1,531.00
<b>23 81 26 Split-System Air-Conditioners</b> <small>(23 81)</small>		
<b>23 81 26 13 Small-Capacity Split-System Air-Conditioners</b> <small>(23 81 26)</small>		
23 81 26 13-0001 Split System A/C Unit <small>(23 81 26 13)</small> <i>See CSI section 22 07 19 00-0485 for insulation, 23 23 16 00-0001 for piping.</i>		
23 81 26 13-0002 Ductless Split System Air Conditioners <small>(23 81 26 13-0001)</small> <i>Note: Excludes refrigerant piping, electrical, and pad. Panasonic units or equal. See CSI section 23 81 49 00-0024 for ductless heat pumps.</i>		
23 81 26 13-0003 Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 13-0002)</small>		
23 81 26 13-0004 EA 9,000 BTU, 16 SEER, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</i>	2,288.05	418.13
23 81 26 13-0005 EA 11,900 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioner ..... <i>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</i>	2,480.93	456.14
23 81 26 13-0006 EA 17,500 BTU, 20 SEER, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</i>	3,084.34	506.82
23 81 26 13-0007 EA 24,200 BTU, 17 SEER, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</i>	3,427.39	557.50
23 81 26 13-0008 EA 25,200 BTU, 14.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</i>	5,199.35	608.19
23 81 26 13-0009 EA 29,800 BTU, 15 SEER, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</i>	6,029.66	633.53
23 81 26 13-0010 EA 31,400 BTU, 15.9 SEER, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.</i>	6,609.47	675.35
23 81 26 13-0011 Dual and Tri Zone Wall Mounted Ductless Split System Air Conditioners <small>(23 81 26 13-0002)</small> <i>Note: Use this section only when matching indoor and outdoor capacity units are not used.</i>		
23 81 26 13-0012 EA 7,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit and wireless thermostat.</i>	992.63	202.73
23 81 26 13-0013 EA 9,000 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit and wireless thermostat.</i>	1,050.34	215.40
23 81 26 13-0014 EA 11,900 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit and wireless thermostat.</i>	1,108.95	228.07
23 81 26 13-0015 EA 17,500 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit and wireless thermostat.</i>	1,249.25	240.74
23 81 26 13-0016 EA 24,200 BTU Indoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes indoor unit and wireless thermostat.</i>	1,335.69	253.41
23 81 26 13-0017 EA 19,700 BTU, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes outdoor unit and refrigerant charge.</i>	2,676.13	304.09
23 81 26 13-0018 EA 25,400 BTU, 16.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners ..... <i>Note: Includes outdoor unit and refrigerant charge.</i>	2,959.43	329.43

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

23 81 26 13-0019	EA	30,600 BTU, 17.6 SEER, Outdoor Unit, Wall Mounted Ductless Split System Air Conditioners .....	4,625.24	354.78
		Note: Includes outdoor unit and refrigerant charge.		

**23 81 26 13-0020 Suspended Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)**

Note: Excludes hangers.

23 81 26 13-0021	EA	24,400 BTU, 14.5 SEER, Ceiling Suspended Ductless Split System Air Conditioners .....	5,552.46	608.19
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0022	EA	31,200 BTU, 15.1 SEER, Ceiling Suspended Ductless Split System Air Conditioners .....	6,767.22	726.03
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0023	EA	39,000 BTU, 15.6 SEER, Ceiling Suspended Ductless Split System Air Conditioners .....	8,217.31	760.23
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

**23 81 26 13-0024 Recessed Ceiling Mounted Ductless Split System Air Conditioners (23 81 26 13-0002)**

Note: Excludes hangers.

23 81 26 13-0025	EA	11,900 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....	3,447.92	506.82
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0026	EA	17,500 BTU, 16 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....	4,011.82	557.50
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0027	EA	24,800 BTU, 14.1 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....	5,544.51	658.87
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0028	EA	32,600 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....	6,408.13	726.03
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		
23 81 26 13-0029	EA	39,500 BTU, 14.6 SEER, Ceiling Recessed Ductless Split System Air Conditioners .....	8,037.76	760.23
		Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.		

**23 81 26 13-0030 Ductless Split System Accessories (23 81 26 13-0002)**

23 81 26 13-0031	LF	3" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	14.71	1.82
23 81 26 13-0032	LF	4" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	18.95	2.00
23 81 26 13-0033	LF	6" Line Set Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	23.62	2.20
23 81 26 13-0034	EA	3" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	24.68	3.40
23 81 26 13-0035	EA	4" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	42.48	3.74
23 81 26 13-0036	EA	6" Union Coupling, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	48.42	4.12
23 81 26 13-0037	EA	3" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	61.35	6.81
23 81 26 13-0038	EA	4" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	101.77	7.48
23 81 26 13-0039	EA	6" 90 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	113.63	8.24
23 81 26 13-0040	EA	3" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	81.91	7.26
23 81 26 13-0041	EA	4" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	96.09	7.99
23 81 26 13-0042	EA	6" 90 Degree Long Radius Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	148.84	8.79
23 81 26 13-0043	EA	3" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	61.35	6.81
23 81 26 13-0044	EA	4" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	101.77	7.48
23 81 26 13-0045	EA	6" 45 Degree Elbow, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	113.63	8.24
23 81 26 13-0046	EA	3" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	79.91	11.35
23 81 26 13-0047	EA	4" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	116.89	12.48
23 81 26 13-0048	EA	6" Wall Penetration Cover, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	139.84	13.73
23 81 26 13-0049	EA	2-1/2" Wall Sleeve, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	45.20	2.27
23 81 26 13-0050	EA	3" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	49.37	6.81
23 81 26 13-0051	EA	4" x 20" Flexible Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	80.20	7.48
23 81 26 13-0052	EA	3" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	44.57	6.81
23 81 26 13-0053	EA	4" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	61.02	7.48
23 81 26 13-0054	EA	6" Duct End Termination, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	65.69	8.24
23 81 26 13-0055	EA	4" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	216.83	9.08
23 81 26 13-0056	EA	6" T Joint, Rigid Polyvinyl Chloride (PVC) Line Set Covers .....	245.95	9.99
23 81 26 13-0057	EA	14" Condensing Unit Mounting Blocks With End Caps .....	136.68	34.04
23 81 26 13-0058	EA	17" Condensing Unit Mounting Blocks With End Caps .....	150.75	36.30
23 81 26 13-0059	EA	36" Condensing Unit Mounting Blocks With End Caps .....	205.56	38.57
23 81 26 13-0060	EA	End Cap, Set of 4 .....	23.94	
23 81 26 13-0061	EA	18" Condensing Unit Type 2 Wall Bracket, 165 LB Capacity .....	290.29	68.08
23 81 26 13-0062	EA	21" Condensing Unit Type 2 Wall Bracket, 220 LB Capacity .....	308.14	72.62
23 81 26 13-0063	LF	5/8" ID Condensate Drain Line .....	3.21	0.18
23 81 26 13-0064	LF	3/4" ID Condensate Drain Line .....	3.33	0.18

**23 81 26 13-0065 Cased A/C Evaporator Coils (23 81 26 13-0001)****23 81 26 13-0066 Vertical Cased A/C Evaporator Coils (23 81 26 13-0065)**

23 81 26 13-0067	EA	1-1/2 Ton Vertical Cased A/C Evaporator Coil .....	885.47	151.14
23 81 26 13-0068	EA	2 Ton Vertical Cased A/C Evaporator Coil .....	924.46	162.47
23 81 26 13-0069	EA	2-1/2 Ton Vertical Cased A/C Evaporator Coil .....	1,096.43	173.81
23 81 26 13-0070	EA	3 Ton Vertical Cased A/C Evaporator Coil .....	1,247.43	185.14
23 81 26 13-0071	EA	3-1/2 Ton Vertical Cased A/C Evaporator Coil .....	1,439.84	192.69
23 81 26 13-0072	EA	4 Ton Vertical Cased A/C Evaporator Coil .....	1,604.25	200.25
23 81 26 13-0073	EA	4-1/2 Ton Vertical Cased A/C Evaporator Coil .....	1,723.13	215.36
23 81 26 13-0074	EA	5 Ton Vertical Cased A/C Evaporator Coil .....	1,736.48	226.70

**23 81 26 13-0075 "A" Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)**

23 81 26 13-0076	EA	2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	1,079.66	154.91
23 81 26 13-0077	EA	2-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	1,239.27	163.60
23 81 26 13-0078	EA	3 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	1,416.88	173.81
23 81 26 13-0079	EA	3-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	1,468.25	180.08
23 81 26 13-0080	EA	4 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	1,537.27	188.91
23 81 26 13-0081	EA	4-1/2 Ton "A" Style Horizontal Cased A/C Evaporator Coil .....	1,557.11	198.74

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 26 13-0082	EA	5 Ton "A" Style Horizontal Cased A/C Evaporator Coil.....	1,576.55	208.56
<b>23 81 26 13-0083 Slab Style Horizontal Cased A/C Evaporator Coils (23 81 26 13-0065)</b>				
23 81 26 13-0084	EA	2 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	946.69	154.91
23 81 26 13-0085	EA	3 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	1,134.60	173.81
23 81 26 13-0086	EA	4 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	1,308.64	188.91
23 81 26 13-0087	EA	5 Ton Slab Style Horizontal Cased A/C Evaporator Coil .....	1,574.22	208.56
<b>23 81 26 16 Large-Capacity Split-System Air-Conditioners (23 81 26)</b>				
<b>23 81 26 16-0001 Split System Air Conditioners, Variable Refrigerant Flow (Mitsubishi City Multi) (23 81 26 16)</b>				
<b>23 81 26 16-0002 Outdoor Units (23 81 26 16-0001)</b>				
23 81 26 16-0003	EA	6 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P72YKMU-A).....	17,244.06	665.21
23 81 26 16-0004	EA	8 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P96YKMU-A).....	18,705.71	791.92
23 81 26 16-0005	EA	10 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P120YKMU-A).....	21,067.19	950.30
23 81 26 16-0006	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YKMU-A).....	25,911.86	981.97
23 81 26 16-0007	EA	12 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P144YSKMU-A).....	34,432.88	1,013.66
23 81 26 16-0008	EA	14 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P168YSKMU-A).....	35,704.47	1,045.33
23 81 26 16-0009	EA	16 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P192YSKMU-A).....	36,976.07	1,077.01
23 81 26 16-0010	EA	18 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P216YSKMU-A).....	39,147.48	1,140.36
23 81 26 16-0011	EA	20 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P240YSKMU-A).....	41,318.91	1,203.71
23 81 26 16-0012	EA	22 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P264YSKMU-A).....	46,226.94	1,267.07
23 81 26 16-0013	EA	24 Ton R2-Series Outdoor Unit (Mitsubishi PURY-P288YSKMU-A).....	51,134.97	1,330.42
<b>23 81 26 16-0014 Indoor Units (23 81 26 16-0001)</b>				
23 81 26 16-0015	EA	6 MBH Cooling, 6.7 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P06NBMU-E2).....	1,805.92	205.90
23 81 26 16-0016	EA	8 MBH Cooling, 9 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P08NHMU-E2).....	1,899.55	221.74
23 81 26 16-0017	EA	12 MBH Cooling, 13.5 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P12NHMU-E2).....	1,982.87	237.57
23 81 26 16-0018	EA	15 MBH Cooling, 17 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P15NHMU-E2).....	2,081.66	253.41
23 81 26 16-0019	EA	18 MBH Cooling, 20 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P18NHMU-E2).....	2,259.32	300.92
23 81 26 16-0020	EA	24 MBH Cooling, 27 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P24NKMU-E2).....	2,527.49	364.28
23 81 26 16-0021	EA	30 MBH Cooling, 34 MBH Heating Wall Mounted Indoor Unit (Mitsubishi PKFY-P30NKMU-E2).....	2,738.53	395.96
23 81 26 16-0022	EA	6 MBH Cooling, 6.7 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P06NMAU-E3).....	2,606.12	226.49
23 81 26 16-0023	EA	8 MBH Cooling, 9 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P08NMAU-E3).....	2,697.76	243.91
23 81 26 16-0024	EA	12 MBH Cooling, 13.5 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P12NMAU-E3).....	2,846.20	261.34
23 81 26 16-0025	EA	15 MBH Cooling, 17 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P15NMAU-E3).....	3,087.57	278.75
23 81 26 16-0026	EA	18 MBH Cooling, 20 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P18NMAU-E3).....	3,264.40	331.02
23 81 26 16-0027	EA	24 MBH Cooling, 27 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P24NMAU-E3).....	3,589.66	400.71
23 81 26 16-0028	EA	30 MBH Cooling, 34 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P30NMAU-E3).....	3,774.24	418.13
23 81 26 16-0029	EA	36 MBH Cooling, 40 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P36NMAU-E3).....	3,979.49	435.55
23 81 26 16-0030	EA	48 MBH Cooling, 54 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P48NMAU-E3).....	4,412.54	479.11
23 81 26 16-0031	EA	54 MBH Cooling, 60 MBH Heating Ceiling Concealed Ducted Indoor Unit (Mitsubishi PEFY-P54NMAU-E3).....	4,890.46	527.01
23 81 26 16-0032	EA	60 MBH Cooling, 72 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	5,295.33	579.73
23 81 26 16-0033	EA	72 MBH Cooling, 80 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P72NMHSU-E).....	6,696.97	637.69
23 81 26 16-0034	EA	96 MBH Cooling, 108 MBH Heating Ceiling Concealed High Static Ducted Indoor Unit (Mitsubishi PEFY-P96NMHSU-E).....	7,599.03	701.45
23 81 26 16-0035	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP12NEMU-E).....	2,962.89	261.34
23 81 26 16-0036	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP15NEMU-E).....	3,124.75	278.75
23 81 26 16-0037	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP18NEMU-E).....	3,304.68	331.02
23 81 26 16-0038	EA	24 MBH Cooling, 27 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP24NEMU-E).....	3,709.45	400.71
23 81 26 16-0039	EA	30 MBH Cooling, 34 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP30NEMU-E).....	3,997.04	435.55
23 81 26 16-0040	EA	36 MBH Cooling, 40 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-EP36NEMU-E).....	4,882.41	479.12
23 81 26 16-0041	EA	6 MBH Cooling, 6.7 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P06NBMU-ER5).....	2,662.92	226.49
23 81 26 16-0042	EA	8 MBH Cooling, 9 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P08NBMU-ER5).....	2,801.03	243.91
23 81 26 16-0043	EA	12 MBH Cooling, 13.5 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P12NBMU-ER5).....	3,011.43	261.34
23 81 26 16-0044	EA	15 MBH Cooling, 17 MBH Heating 1-Way Ceiling Recessed Cassette With Grille (Mitsubishi PMFY-P15NBMU-ER5).....	3,170.19	278.75
23 81 26 16-0045	EA	18 MBH Cooling, 20 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P08NCMU-ER4).....	2,470.57	243.91
23 81 26 16-0046	EA	12 MBH Cooling, 13.5 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P12NCMU-ER4).....	2,598.35	261.34
23 81 26 16-0047	EA	15 MBH Cooling, 17 MBH Heating 4-Way Ceiling Recessed Cassette With Grille (Mitsubishi PLFY-P15NCMU-ER4).....	2,731.30	278.75
<b>23 81 26 16-0048 Controllers For Outdoor Units (23 81 26 16-0001)</b>				
23 81 26 16-0049	EA	8 Branch (Main BC) (Mitsubishi CMB-P108NU-HA1).....	9,312.83	190.06
23 81 26 16-0050	EA	10 Branch (Main BC) (Mitsubishi CMB-P1010NU-HA1).....	10,770.30	221.74
23 81 26 16-0051	EA	13 Branch (Main BC) (Mitsubishi CMB-P1013NU-GA).....	11,902.47	253.41
23 81 26 16-0052	EA	16 Branch (Main BC) (Mitsubishi CMB-P1016NU-HA).....	14,124.14	285.09
23 81 26 16-0053	EA	4 Branch (Sub BC) (Mitsubishi CMB-P104NU-GB).....	5,194.80	126.71
23 81 26 16-0054	EA	8 Branch (Sub BC) (Mitsubishi CMB-P108NU-GB).....	8,001.32	190.06
23 81 26 16-0055	EA	16 Branch (Sub BC) (Mitsubishi CMB-P1016NU-HB).....	12,229.17	285.09

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 81 26 16-0056	Energy Recovery Units <small>(23 81 26 16-0001)</small>				
23 81 26 16-0057	EA	36.2 MBH Cooling, 39.9 MBH Heating Hydronic Heat Exchanger Auxiliary Unit (Mitsubishi PWFY-P36NMU-E2-AU) .....	6,596.87		190.06
23 81 26 16-0058	EA	39.9 MBH Hydronic Heat Exchanger Booster Unit (Mitsubishi PWFY-P36NMU-E-BU).....	12,462.51		190.06
23 81 26 16-0059	EA	112 MBH Cooling, 61.4 MBH Heating Reheat Unit (Mitsubishi PEFY-AF1200CFMR) .....	12,644.62		221.74
23 81 26 16-0060	EA	Lossnay Energy Recovery Ventilator ERV, 300 CFM (Mitsubishi LGH-F300RX5-E) .....	2,640.30		158.39
23 81 26 16-0061	EA	Lossnay Energy Recovery Ventilator ERV, 470 CFM (Mitsubishi LGH-F470RX5-E) .....	3,360.35		164.72
23 81 26 16-0062	EA	Lossnay Energy Recovery Ventilator ERV, 600 CFM (Mitsubishi LGH-F600RX5-E) .....	4,002.97		171.06
23 81 26 16-0063	EA	Lossnay Energy Recovery Ventilator ERV, 1,200 CFM (Mitsubishi LGH-F1200RX5-E1).....	7,283.60		190.06

23 81 26 16-0064	Piping Specialties <small>(23 81 26 16-0001)</small>				
23 81 26 16-0065	EA	Maintenance Tool Interface (Mitsubishi CMS-MNG-E).....	919.09		
23 81 26 16-0066	EA	Branch Joint (Mitsubishi CMY-Y102SS-G2) .....	268.62		57.62
23 81 26 16-0067	EA	Branch Joint (Mitsubishi CMY-Y102LS-G2).....	268.62		57.62
23 81 26 16-0068	EA	Branch Joint (Mitsubishi CMY-Y202S-G2).....	296.87		60.66
23 81 26 16-0069	EA	Branch Joint (Mitsubishi CMY-Y302S-G2).....	368.82		68.23
23 81 26 16-0070	EA	Header - 4 Branch (Mitsubishi CMY-Y64-G-E).....	486.27		98.56
23 81 26 16-0071	EA	Header - 8 Branch (Mitsubishi CMY-Y68-G-E) .....	838.30		197.12
23 81 26 16-0072	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 3/8" (Mitsubishi BV38FFSI).....	146.62		24.26
23 81 26 16-0073	EA	Refrigeration Ball Valve-Flare/Schrader/Insulated - 5/8" (Mitsubishi BV58FFSI).....	167.92		33.36

**23 81 43 Air-Source Unitary Heat Pumps (23 81)**

23 81 43 00-0001	Single Package Thru-Wall Heat Pumps <small>(23 81 43)</small>				
Note: Air-to-air type with electric heat. Includes throwaway filters. Through the wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls all mounted in a steel cabinet, wall sleeve and outdoor grille. Excludes crane and associated personnel. See CSI section 01 23 23 00-0736 for crane lifting equipment.					
23 81 43 00-0002	EA	1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,267.33		205.84
		For Unit Economizer, Add	301.51		
		For >35 To 70, Deduct	-56.08		
		For >70 To 100, Deduct	-93.47		
		For >100, Deduct	-130.86		
		For Low Ambient Protection, 0 Degree F, Add	267.73		
23 81 43 00-0003	EA	1 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	2,502.49		219.57
		For Unit Economizer, Add	333.33		
		For >35 To 70, Deduct	-62.31		
		For >70 To 100, Deduct	-103.85		
		For >100, Deduct	-145.39		
		For Low Ambient Protection, 0 Degree F, Add	293.29		
23 81 43 00-0004	EA	1-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,247.23		219.57
		For Unit Economizer, Add	577.60		
		For >35 To 70, Deduct	-114.65		
		For >70 To 100, Deduct	-191.09		
		For >100, Deduct	-267.53		
		For Low Ambient Protection, 0 Degree F, Add	450.32		
23 81 43 00-0005	EA	2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	4,648.54		219.57
		For Unit Economizer, Add	632.68		
		For >35 To 70, Deduct	-125.87		
		For >70 To 100, Deduct	-209.78		
		For >100, Deduct	-293.70		
		For Low Ambient Protection, 0 Degree F, Add	239.09		
23 81 43 00-0006	EA	2-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,257.57		233.29
		For Unit Economizer, Add	716.85		
		For >35 To 70, Deduct	-143.32		
		For >70 To 100, Deduct	-238.86		
		For >100, Deduct	-334.41		
		For Low Ambient Protection, 0 Degree F, Add	263.40		
23 81 43 00-0007	EA	3 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	5,506.82		247.02
		For Unit Economizer, Add	751.74		
		For >35 To 70, Deduct	-150.80		
		For >70 To 100, Deduct	-251.33		
		For >100, Deduct	-351.86		
		For Low Ambient Protection, 0 Degree F, Add	773.52		
23 81 43 00-0008	EA	3-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,198.93		247.02
		For Unit Economizer, Add	847.54		
		For >35 To 70, Deduct	-170.74		
		For >70 To 100, Deduct	-284.56		
		For >100, Deduct	-398.38		
		For Low Ambient Protection, 0 Degree F, Add	866.79		
23 81 43 00-0009	EA	4 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	6,835.77		260.74
		For Unit Economizer, Add	936.15		
		For >35 To 70, Deduct	-189.43		
		For >70 To 100, Deduct	-315.71		
		For >100, Deduct	-442.00		
		For Low Ambient Protection, 0 Degree F, Add	951.23		
23 81 43 00-0010	EA	5 Ton Single Package Heat Pump, Air To Air Type With Electric Heat.....	7,873.56		301.91
		For Unit Economizer, Add	1,078.15		
		For >35 To 70, Deduct	-218.09		
		For >70 To 100, Deduct	-363.49		
		For >100, Deduct	-508.88		
		For Low Ambient Protection, 0 Degree F, Add	1,096.02		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0011	EA		7-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat ..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	14,394.45 1,986.13 -410.01 -683.36 -956.70 1,958.56	356.80
23 81 43 00-0012	EA		10 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	18,533.00 2,557.84 -528.41 -880.68 -1,232.95 406.00	452.86
23 81 43 00-0013	EA		12-1/2 Ton Single Package Heat Pump, Air To Air Type With Electric Heat ..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	22,617.05 3,125.77 -648.05 -1,080.08 -1,512.11 469.90	507.76
23 81 43 00-0014	EA		15 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	27,891.68 3,859.27 -802.58 -1,337.63 -1,872.69 552.28	576.37
23 81 43 00-0015	EA		20 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	37,126.85 5,148.36 -1,076.75 -1,794.59 -2,512.42 667.69	617.54
23 81 43 00-0016	EA		25 Ton Single Package Heat Pump, Air To Air Type With Electric Heat..... <i>For Unit Economizer, Add</i> <i>For &gt;35 To 70, Deduct</i> <i>For &gt;70 To 100, Deduct</i> <i>For &gt;100, Deduct</i> <i>For Low Ambient Protection, 0 Degree F, Add</i>	44,714.09 6,206.18 -1,301.08 -2,168.46 -3,035.85 769.91	672.43
<b>23 81 43 00-0017 Single Package Vertical Wall Heat Pumps (23 81 43)</b>					
Note: Air-to-air type with electric heat. Includes throwaway filters. Wall units are wired for 230/208 Volt, 1 phase, 60 HZ. With solid state electronic controls, thermostat, cord and NEMA plug. Units are shipped fully factory assembled in one piece, prewired, prepiped and charged with refrigerant, complete with push button controls, insulated steel cabinet, with wall sleeve and outdoor grille and stainless steel drain pan. Excludes crane and associated personnel. See CSI section 01 22 23 00-0736 for crane lifting equipment.					
23 81 43 00-0018	EA		1/2 Ton Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	3,480.62	274.47
23 81 43 00-0019	EA		1 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	4,214.51	301.91
23 81 43 00-0020	EA		1-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	5,435.06	315.63
23 81 43 00-0021	EA		2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	6,227.77	343.08
23 81 43 00-0022	EA		2-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	7,781.84	397.97
23 81 43 00-0023	EA		3 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	8,317.47	452.86
23 81 43 00-0024	EA		3-1/2 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	9,037.53	507.76
23 81 43 00-0025	EA		4 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	10,167.72	562.64
23 81 43 00-0026	EA		5 Ton Single Package Heat Pump, Vertical Wall Unit, Air To Air Type With Electric Heat .....	11,470.50	672.43
<b>23 81 43 00-0027 Heat Pump, Room Air-Conditioners (23 81 43)</b>					
Note: Includes throwaway filters and supplemental heat.					
<b>23 81 43 00-0028 Heat Pump, Window Unit, Room Air-Conditioners (23 81 43 00-0027)</b>					
<b>23 81 43 00-0029 Heat Pump, Window Unit, Room Air-Conditioners (Friedrich) (23 81 43 00-0028)</b>					
23 81 43 00-0030	EA		10,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS10N10C) .....	2,577.98	133.05
			<i>For &gt;10 To 50, Deduct</i>	-115.60	
			<i>For &gt;50 To 75, Deduct</i>	-161.83	
			<i>For &gt;75 To 100, Deduct</i>	-231.19	
			<i>For &gt;100, Deduct</i>	-277.43	
23 81 43 00-0031	EA		12,000 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YS12N33C) .....	2,911.16	133.05
			<i>For &gt;10 To 50, Deduct</i>	-132.25	
			<i>For &gt;50 To 75, Deduct</i>	-185.16	
			<i>For &gt;75 To 100, Deduct</i>	-264.51	
			<i>For &gt;100, Deduct</i>	-317.41	
23 81 43 00-0032	EA		17,500 BTU, 10.9 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich KHM18A34A).....	3,410.93	133.05
			<i>For &gt;10 To 50, Deduct</i>	-157.24	
			<i>For &gt;50 To 75, Deduct</i>	-220.14	
			<i>For &gt;75 To 100, Deduct</i>	-314.49	
			<i>For &gt;100, Deduct</i>	-377.38	
23 81 43 00-0033	EA		24,000 BTU, 10.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich YL24N35D).....	3,966.23	133.05
			<i>For &gt;10 To 50, Deduct</i>	-185.01	
			<i>For &gt;50 To 75, Deduct</i>	-259.01	
			<i>For &gt;75 To 100, Deduct</i>	-370.02	
			<i>For &gt;100, Deduct</i>	-444.02	
23 81 43 00-0034			<b>Heat Pump, Through-The-Wall, Room Air-Conditioners (23 81 43 00-0027)</b>		
Note: Base unit excludes wall sleeve.					
23 81 43 00-0035			<b>Heat Pump, Through-The-Wall, Room Air-Conditioners (Friedrich) (23 81 43 00-0034)</b>		



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 43 00-0036	EA		9,300 BTU, 9.8 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY09C33D).....	2,594.51	95.03
			<i>For &gt;10 To 50, Deduct</i>	-120.22	
			<i>For &gt;50 To 75, Deduct</i>	-168.31	
			<i>For &gt;75 To 100, Deduct</i>	-240.45	
			<i>For &gt;100, Deduct</i>	-288.53	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	
23 81 43 00-0037	EA		11,300 BTU, 9.3 EER, 230/208 Volt, Heat Pump, Through-The-Wall, Room Air-Conditioner (Friedrich WY12D33A).....	2,594.51	95.03
			<i>For &gt;10 To 50, Deduct</i>	-120.22	
			<i>For &gt;50 To 75, Deduct</i>	-168.31	
			<i>For &gt;75 To 100, Deduct</i>	-240.45	
			<i>For &gt;100, Deduct</i>	-288.53	
			<i>For 27" Wide x 16-3/4" Deep x 16-3/4" High, Wall Sleeve (Friedrich WSE), Add</i>	285.20	

**23 81 46 Water-Source Unitary Heat Pumps (23 81)**

**23 81 46 00-0001 Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pumps (23 81 46)**

Note: R410a. Includes rubber isolator hanger brackets. McQuay CCW Series.

23 81 46 00-0002	EA		7 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,653.52	302.27
23 81 46 00-0003	EA		9 MBH, 300 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	3,765.52	302.27
23 81 46 00-0004	EA		12 MBH, 400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,346.18	332.50
23 81 46 00-0005	EA		19 MBH, 630 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,583.34	362.72
23 81 46 00-0006	EA		24 MBH, 800 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	4,917.58	392.95
23 81 46 00-0007	EA		30 MBH, 1,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	5,774.51	423.17
23 81 46 00-0008	EA		36 MBH, 1,200 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	5,909.63	453.40
23 81 46 00-0009	EA		42 MBH, 1,400 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,442.98	483.63
23 81 46 00-0010	EA		48 MBH, 1,600 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,876.78	513.86
23 81 46 00-0011	EA		60 MBH, 2,000 CFM Horizontal, Ceiling Mounted, Geothermal Water Source Heat Pump.....	6,999.46	544.08

**23 81 49 Split System Heat Pumps (23 81)**

**23 81 49 00-0001 Air Cooled, Outdoor Section (23 81 49)**

Note: Includes 20' length of piping (liquid line and insulated suction line). Excludes additional piping.

23 81 49 00-0002	EA		1.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,322.34	407.58
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	784.20	
			<i>For Winterstart Control, Add</i>	209.95	
			<i>For 15 SEER, Add</i>	666.86	
			<i>For 16 SEER, Add</i>	1,074.39	
			<i>For 18 SEER, Add</i>	1,630.11	
23 81 49 00-0003	EA		2 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,463.15	452.86
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	813.63	
			<i>For Winterstart Control, Add</i>	219.70	
			<i>For 15 SEER, Add</i>	679.86	
			<i>For 16 SEER, Add</i>	1,095.33	
			<i>For 18 SEER, Add</i>	1,661.88	
23 81 49 00-0004	EA		2.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	4,881.68	525.60
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	893.56	
			<i>For Winterstart Control, Add</i>	243.02	
			<i>For 15 SEER, Add</i>	735.43	
			<i>For 16 SEER, Add</i>	1,184.86	
			<i>For 18 SEER, Add</i>	1,797.73	
23 81 49 00-0005	EA		3 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,334.29	603.82
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	759.05	
			<i>For Winterstart Control, Add</i>	268.27	
			<i>For 15 SEER, Add</i>	795.49	
			<i>For 16 SEER, Add</i>	1,281.62	
			<i>For 18 SEER, Add</i>	1,944.52	
23 81 49 00-0006	EA		3.5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	5,503.86	627.15
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	783.97	
			<i>For Winterstart Control, Add</i>	277.16	
			<i>For 15 SEER, Add</i>	819.69	
			<i>For 16 SEER, Add</i>	1,320.61	
			<i>For 18 SEER, Add</i>	2,003.68	
23 81 49 00-0007	EA		4 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,110.90	720.46
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	867.11	
			<i>For Winterstart Control, Add</i>	306.19	
			<i>For 15 SEER, Add</i>	914.70	
			<i>For 16 SEER, Add</i>	1,473.68	
			<i>For 18 SEER, Add</i>	2,235.93	
23 81 49 00-0008	EA		5 Ton, 14 SEER, Outdoor Heat Pump Unit.....	6,953.29	792.52
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	574.10	
			<i>For Winterstart Control, Add</i>	171.43	
			<i>For 15 SEER, Add</i>	1,047.80	
			<i>For 16 SEER, Add</i>	1,688.13	
			<i>For 18 SEER, Add</i>	2,561.30	
23 81 49 00-0009	EA		7.5 Ton, 11.5 EER, Outdoor Heat Pump Unit.....	7,696.00	886.95
			Note: Precharged with refrigerant capable of charging the system with a 20' length of piping.		
			<i>For Low Ambient Protection, 0 Degree F, Add</i>	638.21	
			<i>For Winterstart Control, Add</i>	191.00	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0010	EA		10 Ton, 11.1 EER, Outdoor Heat Pump Unit ..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	10,624.09 461.33 243.30	1,064.34
23 81 49 00-0011	EA		15 Ton, 10.9 EER, Outdoor Heat Pump Unit ..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	13,952.09 523.01 298.79	1,241.73
23 81 49 00-0012	EA		20 Ton, 10.3 EER, Outdoor Heat Pump Unit ..... Note: Precharged with refrigerant capable of charging the system with a 20' length of piping. <i>For Low Ambient Protection, 0 Degree F, Add</i> <i>For Winterstart Control, Add</i>	24,949.53 555.66 420.52	1,330.42
<b>23 81 49 00-0013</b>			<b>Indoor Section, Horizontal Upflow (23 81 49)</b> Note: Electric heat. Includes throwaway filters.		
23 81 49 00-0014	EA		2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	1,336.34 120.01	135.58
23 81 49 00-0015	EA		2-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	1,476.95 130.80	168.90
23 81 49 00-0016	EA		3 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	1,547.79 134.34	204.00
23 81 49 00-0017	EA		3-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 5 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	2,078.76 183.97	238.84
23 81 49 00-0018	EA		4 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	2,139.80 187.02	269.25
23 81 49 00-0019	EA		5 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	2,375.58 206.65	309.16
23 81 49 00-0020	EA		7-1/2 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 10 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	5,037.99 453.12	506.82
23 81 49 00-0021	EA		10 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	7,391.58 682.14	570.18
23 81 49 00-0022	EA		15 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	10,335.70 970.22	633.53
23 81 49 00-0023	EA		20 Ton Indoor Section Split Heat Pump Packaged Unit, Horizontal Upflow With 15 KW Electric Heat ..... <i>For Additional 5 KW Electric Heat, Add</i>	11,755.45 1,099.51	760.23
<b>23 81 49 00-0024</b>			<b>Ductless Split System Heat Pumps (23 81 49)</b> Note: Excludes refrigerant piping, electrical, and pad. Sanyo units or equal. See CSI section 23 81 26 13-0030 for accessories.		
<b>23 81 49 00-0025</b>			<b>Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)</b>		
23 81 49 00-0026	EA		9,000 BTU Cooling, 12,200 BTU Heating, 16 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,467.60	418.13
23 81 49 00-0027	EA		11,900 BTU Cooling, 13,300 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	2,726.91	456.14
23 81 49 00-0028	EA		17,500 BTU Cooling, 20,400 BTU Heating, 20 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,314.16	506.82
23 81 49 00-0029	EA		24,200 BTU Cooling, 29,000 BTU Heating, 17 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,808.93	557.50
23 81 49 00-0030	EA		25,200 BTU Cooling, 29,200 BTU Heating, 14.9 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,342.39	608.19
23 81 49 00-0031	EA		29,800 BTU Cooling, 34,800 BTU Heating, 15 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,166.12	633.53
23 81 49 00-0032	EA		31,400 BTU Cooling, 36,400 BTU Heating, 15.9 SEER, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,757.60	675.35
<b>23 81 49 00-0033</b>			<b>Dual and Tri Zone Wall Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)</b> Note: Use this section only when matching indoor and outdoor capacity units are not used.		
23 81 49 00-0034	EA		7,500 BTU Cooling, 8,500 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit and wireless thermostat.	1,032.13	202.73
23 81 49 00-0035	EA		9,000 BTU Cooling, 12,200 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit and wireless thermostat.	1,090.74	215.40
23 81 49 00-0036	EA		11,900 BTU Cooling, 14,300 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit and wireless thermostat.	1,150.25	228.07
23 81 49 00-0037	EA		17,500 BTU Cooling, 20,400 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit and wireless thermostat.	1,304.01	240.74
23 81 49 00-0038	EA		24,200 BTU Cooling, 29,000 BTU Heating Indoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes indoor unit and wireless thermostat.	1,389.55	253.41
23 81 49 00-0039	EA		19,700 BTU Cooling, 24,800 BTU Heating, 16.4 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	3,008.29	304.09
23 81 49 00-0040	EA		23,200 BTU Cooling, 29,200 BTU Heating, 16.5 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	3,556.42	329.43
23 81 49 00-0041	EA		30,600 BTU Cooling, 32,000 BTU Heating, 17.2 SEER, Outdoor Unit, Wall Mounted Ductless Split System Heat Pumps ..... Note: Includes outdoor unit and refrigerant charge.	5,708.80	354.78
<b>23 81 49 00-0042</b>			<b>Suspended Ceiling Mounted Ductless Split System Heat Pumps (23 81 49 00-0024)</b> Note: Excludes hangers.		
23 81 49 00-0043	EA		24,400 BTU Cooling, 30,800 BTU Heating, 14.5 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,696.10	608.19
23 81 49 00-0044	EA		31,200 BTU Cooling, 37,400 BTU Heating, 15.1 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,915.35	726.03

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 81 Decentralized Unitary HVAC Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 81 49 00-0045	EA		39,000 BTU Cooling, 44,500 BTU Heating, 15.6 SEER, Ceiling Suspended Ductless Split System Heat Pumps ..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,307.08	760.23
<b>23 81 49 00-0046</b>			<b>Recessed Ceiling Mounted Ductless Split System Heat Pumps</b> <small>(23 81 49 00-0046)</small> Note: Excludes hangers.		
23 81 49 00-0047	EA		11,900 BTU Cooling, 13,600 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	3,807.02	506.82
23 81 49 00-0048	EA		17,500 BTU Cooling, 20,400 BTU Heating, 16 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	4,314.35	557.50
23 81 49 00-0049	EA		24,800 BTU Cooling, 29,800 BTU Heating, 14.1 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	5,688.15	658.87
23 81 49 00-0050	EA		32,600 BTU Cooling, 37,600 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	6,556.26	726.03
23 81 49 00-0051	EA		39,500 BTU Cooling, 48,000 BTU Heating, 14.6 SEER, Ceiling Recessed Ductless Split System Heat Pumps..... Note: Includes indoor unit, outdoor unit, wireless thermostat and refrigerant charge.	8,127.54	760.23
<b>23 82 Convection Heating and Cooling Units</b> <small>(23 80)</small>					
<b>23 82 16 Air Coils</b> <small>(23 82)</small>					
<b>23 82 16 11 Hydronic Air Coils</b> <small>(23 82 16)</small>					
<b>23 82 16 11-0001</b>			<b>Chilled Water Cooling Coils</b> <small>(23 82 16 11)</small> Note: Flanged construction, 16 gauge galvanized steel casing.		
<b>23 82 16 11-0002</b>			<b>2 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0003	EA		12" x 12" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	1,993.00	75.57
23 82 16 11-0004	EA		12" x 24" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,302.55	102.78
23 82 16 11-0005	EA		24" x 30" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,451.42	161.72
23 82 16 11-0006	EA		24" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,387.54	231.23
23 82 16 11-0007	EA		30" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,728.88	284.14
23 82 16 11-0008	EA		30" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,418.12	344.59
23 82 16 11-0009	EA		30" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,885.20	398.99
23 82 16 11-0010	EA		30" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,458.38	704.89
23 82 16 11-0011	EA		34" x 32" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	4,582.62	267.96
23 82 16 11-0012	EA		34" x 48" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,909.17	456.27
23 82 16 11-0013	EA		34" x 60" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,614.07	566.75
23 82 16 11-0014	EA		34" x 72" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,280.80	684.48
23 82 16 11-0015	EA		34" x 84" Chilled Water Cooling Coil, 2 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,962.38	797.08
<b>23 82 16 11-0016</b>			<b>4 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0017	EA		12" x 12" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	2,476.98	157.18
23 82 16 11-0018	EA		12" x 24" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,982.62	226.70
23 82 16 11-0019	EA		24" x 30" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	5,440.27	377.84
23 82 16 11-0020	EA		24" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,668.96	560.71
23 82 16 11-0021	EA		30" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	7,716.16	687.65
23 82 16 11-0022	EA		30" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,174.62	840.30
23 82 16 11-0023	EA		30" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,231.17	1,008.06
23 82 16 11-0024	EA		30" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,031.78	1,173.40
23 82 16 11-0025	EA		34" x 32" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	6,273.68	506.45
23 82 16 11-0026	EA		34" x 48" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,019.04	761.71
23 82 16 11-0027	EA		34" x 60" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	8,901.56	944.58
23 82 16 11-0028	EA		34" x 72" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	9,961.52	1,138.03
23 82 16 11-0029	EA		34" x 84" Chilled Water Cooling Coil, 4 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	10,939.40	1,330.42
<b>23 82 16 11-0030</b>			<b>6 Row Chilled Water Cooling Coils</b> <small>(23 82 16 11-0001)</small>		
23 82 16 11-0031	EA		12" x 12" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted.....	3,496.76	199.50

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0032	EA		12" x 24" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,124.15	296.23
23 82 16 11-0033	EA		24" x 30" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,620.09	504.78
23 82 16 11-0034	EA		24" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,637.34	755.67
23 82 16 11-0035	EA		30" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,033.16	944.58
23 82 16 11-0036	EA		30" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,406.04	1,162.21
23 82 16 11-0037	EA		30" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,270.20	1,373.81
23 82 16 11-0038	EA		30" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,660.47	1,600.96
23 82 16 11-0039	EA		34" x 32" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,858.68	692.04
23 82 16 11-0040	EA		34" x 48" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,070.44	1,037.98
23 82 16 11-0041	EA		34" x 60" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,347.01	1,299.75
23 82 16 11-0042	EA		34" x 72" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,581.51	1,561.36
23 82 16 11-0043	EA		34" x 84" Chilled Water Cooling Coil, 6 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,822.00	1,816.47
<b>23 82 16 11-0044</b>			<b>8 Row Chilled Water Cooling Coils (23 82 16 11-0001)</b>		
23 82 16 11-0045	EA		12" x 12" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	4,371.60	240.30
23 82 16 11-0046	EA		12" x 24" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	5,349.77	368.77
23 82 16 11-0047	EA		24" x 30" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	7,980.74	657.43
23 82 16 11-0048	EA		24" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	10,591.53	1,008.06
23 82 16 11-0049	EA		30" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	12,716.90	1,260.45
23 82 16 11-0050	EA		30" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,770.19	1,511.33
23 82 16 11-0051	EA		30" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	16,979.89	1,679.09
23 82 16 11-0052	EA		30" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,535.98	1,947.65
23 82 16 11-0053	EA		34" x 32" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	8,970.81	843.32
23 82 16 11-0054	EA		34" x 48" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	11,529.54	1,267.85
23 82 16 11-0055	EA		34" x 60" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	13,009.80	1,579.35
23 82 16 11-0056	EA		34" x 72" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	14,419.62	1,889.17
23 82 16 11-0057	EA		34" x 84" Chilled Water Cooling Coil, 8 Row Flanged Construction, 16 Gauge Galvanized Steel Casing, Duct Mounted	15,907.79	2,222.56
<b>23 82 16 11-0058</b>			<b>Hot Water Heating Coils (23 82 16 11)</b>		
			Note: Flanged construction.		
<b>23 82 16 11-0059</b>			<b>1 Row Hot Water Heating Coils (23 82 16 11-0058)</b>		
23 82 16 11-0060	EA		12" x 12" Hot Water Heating Coil, 1 Row Flanged Construction	1,603.24	204.03
			For 10 Fins Per Inch, Add	23.90	
			For 12 Fins Per Inch, Add	59.74	
			For 230 PSIG Heavy Duty, Add	361.50	
23 82 16 11-0061	EA		12" x 24" Hot Water Heating Coil, 1 Row Flanged Construction	2,367.61	261.46
			For 10 Fins Per Inch, Add	36.93	
			For 12 Fins Per Inch, Add	92.32	
			For 230 PSIG Heavy Duty, Add	525.64	
23 82 16 11-0062	EA		24" x 30" Hot Water Heating Coil, 1 Row Flanged Construction	2,891.99	359.69
			For 10 Fins Per Inch, Add	43.45	
			For 12 Fins Per Inch, Add	108.62	
			For 230 PSIG Heavy Duty, Add	650.37	
23 82 16 11-0063	EA		24" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,451.41	504.78
			For 10 Fins Per Inch, Add	48.88	
			For 12 Fins Per Inch, Add	122.19	
			For 230 PSIG Heavy Duty, Add	791.04	
23 82 16 11-0064	EA		30" x 48" Hot Water Heating Coil, 1 Row Flanged Construction	3,924.45	604.53
			For 10 Fins Per Inch, Add	54.31	
			For 12 Fins Per Inch, Add	135.77	
			For 230 PSIG Heavy Duty, Add	905.80	
23 82 16 11-0065	EA		30" x 60" Hot Water Heating Coil, 1 Row Flanged Construction	4,606.87	755.67
			For 10 Fins Per Inch, Add	61.91	
			For 12 Fins Per Inch, Add	154.78	
			For 230 PSIG Heavy Duty, Add	1,072.51	
23 82 16 11-0066	EA		30" x 72" Hot Water Heating Coil, 1 Row Flanged Construction	5,154.95	838.79
			For 10 Fins Per Inch, Add	69.51	
			For 12 Fins Per Inch, Add	173.78	
			For 230 PSIG Heavy Duty, Add	1,198.92	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 11-0067	EA		30" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,363.29	975.26
			<i>For 10 Fins Per Inch, Add</i>	88.11	
			<i>For 12 Fins Per Inch, Add</i>	220.28	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,468.43	
23 82 16 11-0068	EA		34" x 32" Hot Water Heating Coil, 1 Row Flanged Construction.....	2,747.39	422.57
			<i>For 10 Fins Per Inch, Add</i>	38.04	
			<i>For 12 Fins Per Inch, Add</i>	95.11	
			<i>For 230 PSIG Heavy Duty, Add</i>	634.01	
23 82 16 11-0069	EA		34" x 48" Hot Water Heating Coil, 1 Row Flanged Construction.....	4,121.05	634.01
			<i>For 10 Fins Per Inch, Add</i>	57.06	
			<i>For 12 Fins Per Inch, Add</i>	142.66	
			<i>For 230 PSIG Heavy Duty, Add</i>	951.00	
23 82 16 11-0070	EA		34" x 72" Hot Water Heating Coil, 1 Row Flanged Construction.....	6,197.70	958.94
			<i>For 10 Fins Per Inch, Add</i>	85.60	
			<i>For 12 Fins Per Inch, Add</i>	213.99	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,431.33	
23 82 16 11-0071	EA		34" x 84" Hot Water Heating Coil, 1 Row Flanged Construction.....	7,215.56	1,111.28
			<i>For 10 Fins Per Inch, Add</i>	99.86	
			<i>For 12 Fins Per Inch, Add</i>	249.65	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,665.37	
23 82 16 11-0072	SF		>15 SF Hot Water Heating Coil, 1 Row, Flanged Construction.....	330.49	55.92
			<i>For 10 Fins Per Inch, Add</i>	4.37	
			<i>For 12 Fins Per Inch, Add</i>	10.93	
			<i>For 230 PSIG Heavy Duty, Add</i>	77.28	
<b>23 82 16 11-0073</b>			<b>2 Row Hot Water Heating Coils</b> <small>(23 82 16 11-0058)</small>		
23 82 16 11-0074	EA		12" x 12" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,567.46	252.39
			<i>For 10 Fins Per Inch, Add</i>	41.27	
			<i>For 12 Fins Per Inch, Add</i>	103.18	
			<i>For 230 PSIG Heavy Duty, Add</i>	563.87	
23 82 16 11-0075	EA		12" x 24" Hot Water Heating Coil, 2 Row Flanged Construction.....	2,789.70	335.51
			<i>For 10 Fins Per Inch, Add</i>	42.36	
			<i>For 12 Fins Per Inch, Add</i>	105.90	
			<i>For 230 PSIG Heavy Duty, Add</i>	625.11	
23 82 16 11-0076	EA		24" x 30" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,777.25	504.78
			<i>For 10 Fins Per Inch, Add</i>	55.39	
			<i>For 12 Fins Per Inch, Add</i>	138.48	
			<i>For 230 PSIG Heavy Duty, Add</i>	856.21	
23 82 16 11-0077	EA		24" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	4,589.21	719.40
			<i>For 10 Fins Per Inch, Add</i>	63.00	
			<i>For 12 Fins Per Inch, Add</i>	157.49	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,061.78	
23 82 16 11-0078	EA		30" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,308.04	888.67
			<i>For 10 Fins Per Inch, Add</i>	70.60	
			<i>For 12 Fins Per Inch, Add</i>	176.50	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,239.41	
23 82 16 11-0079	EA		30" x 60" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,689.04	1,079.09
			<i>For 10 Fins Per Inch, Add</i>	70.60	
			<i>For 12 Fins Per Inch, Add</i>	176.50	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,353.71	
23 82 16 11-0080	EA		30" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	6,429.05	1,260.45
			<i>For 10 Fins Per Inch, Add</i>	78.20	
			<i>For 12 Fins Per Inch, Add</i>	195.51	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,537.70	
23 82 16 11-0081	EA		30" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,885.26	1,464.48
			<i>For 10 Fins Per Inch, Add</i>	99.13	
			<i>For 12 Fins Per Inch, Add</i>	247.82	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,869.95	
23 82 16 11-0082	EA		34" x 32" Hot Water Heating Coil, 2 Row Flanged Construction.....	3,403.52	631.89
			<i>For 10 Fins Per Inch, Add</i>	42.80	
			<i>For 12 Fins Per Inch, Add</i>	106.99	
			<i>For 230 PSIG Heavy Duty, Add</i>	807.07	
23 82 16 11-0083	EA		34" x 48" Hot Water Heating Coil, 2 Row Flanged Construction.....	5,108.43	949.27
			<i>For 10 Fins Per Inch, Add</i>	64.20	
			<i>For 12 Fins Per Inch, Add</i>	160.49	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,211.55	
23 82 16 11-0084	EA		34" x 72" Hot Water Heating Coil, 2 Row Flanged Construction.....	7,677.05	1,431.23
			<i>For 10 Fins Per Inch, Add</i>	96.29	
			<i>For 12 Fins Per Inch, Add</i>	240.73	
			<i>For 230 PSIG Heavy Duty, Add</i>	1,821.65	
23 82 16 11-0085	EA		34" x 84" Hot Water Heating Coil, 2 Row Flanged Construction.....	8,960.82	1,671.84
			<i>For 10 Fins Per Inch, Add</i>	112.34	
			<i>For 12 Fins Per Inch, Add</i>	280.86	
			<i>For 230 PSIG Heavy Duty, Add</i>	2,126.53	
<b>23 82 16 11-0086</b>			<b>Hot Water Preheat Coils For Multi-Zone Air Handling Units</b> <small>(23 82 16 11)</small>		
			Note: 2 Row coils. Coils are sized by air handling unit capacity.		
23 82 16 11-0087	EA		3,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,082.44	191.94
23 82 16 11-0088	EA		4,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	2,647.24	190.43
23 82 16 11-0089	EA		5,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,237.90	204.03
23 82 16 11-0090	EA		6,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,757.28	222.17
23 82 16 11-0091	EA		7,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	3,777.79	232.75
23 82 16 11-0092	EA		9,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,560.61	244.84
23 82 16 11-0093	EA		11,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	4,731.27	275.06
23 82 16 11-0094	EA		13,200 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,233.04	308.32
23 82 16 11-0095	EA		16,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	5,896.47	368.77
23 82 16 11-0096	EA		19,500 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	6,423.04	386.90





MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 16 11-0097	EA		22,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	8,202.79	409.57
23 82 16 11-0098	EA		27,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	10,460.44	560.71
23 82 16 11-0099	EA		34,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	13,136.99	687.65
23 82 16 11-0100	EA		40,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	15,277.50	719.40
23 82 16 11-0101	EA		47,000 CFM, Hot Water Preheat Coils, 2 Row Coils, Multi Zone Air Handling Unit.....	17,944.42	838.79

**23 82 16 12 Steam Air Coils (23 82 16)**

**23 82 16 12-0001 Steam Heating Coils (23 82 16 12)**

Note: Flanged construction.

23 82 16 12-0002	EA		12" x 12" Steam Heating Coils, 1 Row Flanged Construction.....	2,435.80	142.06
			<i>For 2 Row Coil, Add</i>	787.24	
			<i>For 4 Row Coil, Add</i>	2,070.11	
23 82 16 12-0003	EA		12" x 24" Steam Heating Coils, 1 Row Flanged Construction.....	2,699.68	196.48
			<i>For 2 Row Coil, Add</i>	888.42	
			<i>For 4 Row Coil, Add</i>	2,328.54	
23 82 16 12-0004	EA		24" x 30" Steam Heating Coils, 1 Row Flanged Construction.....	3,548.38	352.14
			<i>For 2 Row Coil, Add</i>	1,205.10	
			<i>For 4 Row Coil, Add</i>	3,140.97	
23 82 16 12-0005	EA		24" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,468.23	504.78
			<i>For 2 Row Coil, Add</i>	1,541.98	
			<i>For 4 Row Coil, Add</i>	4,007.83	
23 82 16 12-0006	EA		30" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,977.35	604.53
			<i>For 2 Row Coil, Add</i>	1,735.02	
			<i>For 4 Row Coil, Add</i>	4,501.78	
23 82 16 12-0007	EA		30" x 60" Steam Heating Coils, 1 Row Flanged Construction.....	5,587.23	755.67
			<i>For 2 Row Coil, Add</i>	1,978.44	
			<i>For 4 Row Coil, Add</i>	5,119.66	
23 82 16 12-0008	EA		30" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	6,139.68	838.79
			<i>For 2 Row Coil, Add</i>	2,177.76	
			<i>For 4 Row Coil, Add</i>	5,633.83	
23 82 16 12-0009	EA		30" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	7,611.45	978.89
			<i>For 2 Row Coil, Add</i>	2,674.97	
			<i>For 4 Row Coil, Add</i>	6,930.97	
23 82 16 12-0010	EA		34" x 32" Steam Heating Coils, 1 Row Flanged Construction.....	3,286.28	422.57
			<i>For 2 Row Coil, Add</i>	1,154.94	
			<i>For 4 Row Coil, Add</i>	2,992.49	
23 82 16 12-0011	EA		34" x 48" Steam Heating Coils, 1 Row Flanged Construction.....	4,929.40	634.01
			<i>For 2 Row Coil, Add</i>	1,732.40	
			<i>For 4 Row Coil, Add</i>	4,488.71	
23 82 16 12-0012	EA		34" x 72" Steam Heating Coils, 1 Row Flanged Construction.....	7,390.88	949.27
			<i>For 2 Row Coil, Add</i>	2,596.99	
			<i>For 4 Row Coil, Add</i>	6,729.12	
23 82 16 12-0013	EA		34" x 84" Steam Heating Coils, 1 Row Flanged Construction.....	8,630.18	1,111.28
			<i>For 2 Row Coil, Add</i>	3,033.56	
			<i>For 4 Row Coil, Add</i>	7,859.84	

**23 82 16 13 Refrigerant Air Coils (23 82 16)**

**23 82 16 13-0001 Direct Expansion Cooling Coils (23 82 16 13)**

Note: Flanged construction 16 gauge galvanized steel casing.

**23 82 16 13-0002 2 Row Direct Expansion Cooling Coils (23 82 16 13-0001)**

23 82 16 13-0003	EA		12" x 12" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	1,914.25	113.35
			<i>For 10 Fins Per Inch, Add</i>	33.74	
			<i>For 12 Fins Per Inch, Add</i>	84.35	
23 82 16 13-0004	EA		12" x 24" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	3,685.58	155.67
			<i>For 10 Fins Per Inch, Add</i>	67.48	
			<i>For 12 Fins Per Inch, Add</i>	168.70	
23 82 16 13-0005	EA		24" x 30" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	5,080.80	244.84
			<i>For 10 Fins Per Inch, Add</i>	91.87	
			<i>For 12 Fins Per Inch, Add</i>	229.66	
23 82 16 13-0006	EA		24" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	6,131.35	352.14
			<i>For 10 Fins Per Inch, Add</i>	108.57	
			<i>For 12 Fins Per Inch, Add</i>	271.42	
23 82 16 13-0007	EA		30" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	7,127.17	430.73
			<i>For 10 Fins Per Inch, Add</i>	125.27	
			<i>For 12 Fins Per Inch, Add</i>	313.18	
23 82 16 13-0008	EA		30" x 60" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	7,973.96	521.41
			<i>For 10 Fins Per Inch, Add</i>	138.63	
			<i>For 12 Fins Per Inch, Add</i>	346.58	
23 82 16 13-0009	EA		30" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	9,142.89	604.53
			<i>For 10 Fins Per Inch, Add</i>	158.68	
			<i>For 12 Fins Per Inch, Add</i>	396.69	
23 82 16 13-0010	EA		30" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	11,466.33	704.89
			<i>For 10 Fins Per Inch, Add</i>	201.13	
			<i>For 12 Fins Per Inch, Add</i>	502.83	
23 82 16 13-0011	EA		34" x 32" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	4,402.23	267.96
			<i>For 10 Fins Per Inch, Add</i>	77.33	
			<i>For 12 Fins Per Inch, Add</i>	193.32	
23 82 16 13-0012	EA		34" x 48" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	5,686.42	456.27
			<i>For 10 Fins Per Inch, Add</i>	95.48	
			<i>For 12 Fins Per Inch, Add</i>	238.69	
23 82 16 13-0013	EA		34" x 72" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing .....	7,017.27	684.48
			<i>For 10 Fins Per Inch, Add</i>	112.97	
			<i>For 12 Fins Per Inch, Add</i>	282.42	

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0014	EA		34" x 84" Direct Expansion Cooling Coil, 2 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,678.33	797.08
			<i>For 10 Fins Per Inch, Add</i>	121.68	
			<i>For 12 Fins Per Inch, Add</i>	304.21	
<b>23 82 16 13-0015 4 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>					
23 82 16 13-0016	EA		12" x 12" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	3,179.39	157.18
			<i>For 10 Fins Per Inch, Add</i>	57.29	
			<i>For 12 Fins Per Inch, Add</i>	143.23	
23 82 16 13-0017	EA		12" x 24" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,543.33	226.70
			<i>For 10 Fins Per Inch, Add</i>	81.84	
			<i>For 12 Fins Per Inch, Add</i>	204.61	
23 82 16 13-0018	EA		24" x 30" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,184.08	377.84
			<i>For 10 Fins Per Inch, Add</i>	108.57	
			<i>For 12 Fins Per Inch, Add</i>	271.42	
23 82 16 13-0019	EA		24" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,550.09	560.71
			<i>For 10 Fins Per Inch, Add</i>	128.61	
			<i>For 12 Fins Per Inch, Add</i>	321.53	
23 82 16 13-0020	EA		30" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,723.17	687.65
			<i>For 10 Fins Per Inch, Add</i>	146.98	
			<i>For 12 Fins Per Inch, Add</i>	367.46	
23 82 16 13-0021	EA		30" x 60" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	10,364.71	840.30
			<i>For 10 Fins Per Inch, Add</i>	173.71	
			<i>For 12 Fins Per Inch, Add</i>	434.27	
23 82 16 13-0022	EA		30" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,535.70	1,008.06
			<i>For 10 Fins Per Inch, Add</i>	190.41	
			<i>For 12 Fins Per Inch, Add</i>	476.03	
23 82 16 13-0023	EA		30" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,251.99	1,173.40
			<i>For 10 Fins Per Inch, Add</i>	178.10	
			<i>For 12 Fins Per Inch, Add</i>	445.26	
23 82 16 13-0024	EA		34" x 32" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	7,108.97	506.45
			<i>For 10 Fins Per Inch, Add</i>	121.92	
			<i>For 12 Fins Per Inch, Add</i>	304.80	
23 82 16 13-0025	EA		34" x 48" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	9,050.38	761.71
			<i>For 10 Fins Per Inch, Add</i>	150.54	
			<i>For 12 Fins Per Inch, Add</i>	376.34	
23 82 16 13-0026	EA		34" x 72" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	13,647.80	1,339.79
			<i>For 10 Fins Per Inch, Add</i>	219.36	
			<i>For 12 Fins Per Inch, Add</i>	548.41	
23 82 16 13-0027	EA		34" x 84" Direct Expansion Cooling Coil, 4 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,623.51	1,561.36
			<i>For 10 Fins Per Inch, Add</i>	250.02	
			<i>For 12 Fins Per Inch, Add</i>	625.05	
<b>23 82 16 13-0028 6 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>					
23 82 16 13-0029	EA		12" x 12" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,072.34	197.99
			<i>For 10 Fins Per Inch, Add</i>	73.49	
			<i>For 12 Fins Per Inch, Add</i>	183.73	
23 82 16 13-0030	EA		12" x 24" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	4,684.86	296.23
			<i>For 10 Fins Per Inch, Add</i>	81.84	
			<i>For 12 Fins Per Inch, Add</i>	204.61	
23 82 16 13-0031	EA		24" x 30" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	6,770.03	504.78
			<i>For 10 Fins Per Inch, Add</i>	115.25	
			<i>For 12 Fins Per Inch, Add</i>	288.12	
23 82 16 13-0032	EA		24" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,610.02	755.67
			<i>For 10 Fins Per Inch, Add</i>	141.97	
			<i>For 12 Fins Per Inch, Add</i>	354.93	
23 82 16 13-0033	EA		30" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,326.25	944.58
			<i>For 10 Fins Per Inch, Add</i>	188.74	
			<i>For 12 Fins Per Inch, Add</i>	471.85	
23 82 16 13-0034	EA		30" x 60" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	12,847.89	1,162.21
			<i>For 10 Fins Per Inch, Add</i>	210.46	
			<i>For 12 Fins Per Inch, Add</i>	526.14	
23 82 16 13-0035	EA		30" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,940.91	1,373.81
			<i>For 10 Fins Per Inch, Add</i>	243.86	
			<i>For 12 Fins Per Inch, Add</i>	609.65	
23 82 16 13-0036	EA		30" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,162.27	1,600.96
			<i>For 10 Fins Per Inch, Add</i>	219.21	
			<i>For 12 Fins Per Inch, Add</i>	548.02	
23 82 16 13-0037	EA		34" x 32" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	8,886.72	692.04
			<i>For 10 Fins Per Inch, Add</i>	150.05	
			<i>For 12 Fins Per Inch, Add</i>	375.14	
23 82 16 13-0038	EA		34" x 48" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	11,339.77	1,037.98
			<i>For 10 Fins Per Inch, Add</i>	185.28	
			<i>For 12 Fins Per Inch, Add</i>	463.19	
23 82 16 13-0039	EA		34" x 72" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	14,057.78	1,548.51
			<i>For 10 Fins Per Inch, Add</i>	219.22	
			<i>For 12 Fins Per Inch, Add</i>	548.04	
23 82 16 13-0040	EA		34" x 84" Direct Expansion Cooling Coil, 6 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	15,439.79	1,816.47
			<i>For 10 Fins Per Inch, Add</i>	236.14	
			<i>For 12 Fins Per Inch, Add</i>	590.34	
<b>23 82 16 13-0041 8 Row Direct Expansion Cooling Coils</b> <small>(23 82 16 13-0001)</small>					
23 82 16 13-0042	EA		12" x 12" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing.....	5,073.05	238.79
			<i>For 10 Fins Per Inch, Add</i>	91.87	
			<i>For 12 Fins Per Inch, Add</i>	229.66	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 16 13-0043	EA		12" x 24" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	6,082.13 106.90 267.24	368.77
23 82 16 13-0044	EA		24" x 30" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	9,039.24 154.50 386.25	657.43
23 82 16 13-0045	EA		24" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	11,953.27 198.76 496.91	1,008.06
23 82 16 13-0046	EA		30" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	14,336.12 236.34 590.86	1,260.45
23 82 16 13-0047	EA		30" x 60" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	16,635.44 272.26 680.64	1,511.33
23 82 16 13-0048	EA		30" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	19,142.66 315.68 789.21	1,679.09
23 82 16 13-0049	EA		30" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	16,225.50 246.61 616.52	1,947.65
23 82 16 13-0050	EA		34" x 32" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	10,127.36 168.81 422.03	843.32
23 82 16 13-0051	EA		34" x 48" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	12,957.55 208.44 521.09	1,267.85
23 82 16 13-0052	EA		34" x 72" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	16,147.39 246.62 616.54	1,908.20
23 82 16 13-0053	EA		34" x 84" Direct Expansion Cooling Coil, 8 Rows Flanged Construction, 16 Gauge Galvanized Steel Casing ..... For 10 Fins Per Inch, Add For 12 Fins Per Inch, Add	17,727.82 265.65 664.14	2,222.56

**23 82 16 14 Electric-Resistance Air Coils (23 82 16)**

**23 82 16 14-0001 Standard Electric Slip-In Blast Coil Heater (23 82 16 14)**

**23 82 16 14-0002 Electric Slip-In Blast Coil Heater With Open Coil Element (23 82 16 14-0001)**

23 82 16 14-0003	EA		1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	627.31	97.57
23 82 16 14-0004	EA		1 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	643.56	105.17
23 82 16 14-0005	EA		2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	662.75	115.31
23 82 16 14-0006	EA		3 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	669.21	119.10
23 82 16 14-0007	EA		4 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	685.79	126.71
23 82 16 14-0008	EA		5 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	704.86	136.84
23 82 16 14-0009	EA		6 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	812.70	153.32
23 82 16 14-0010	EA		7 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	828.15	160.92
23 82 16 14-0011	EA		8 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	840.82	165.99
23 82 16 14-0012	EA		9 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	859.34	176.13
23 82 16 14-0013	EA		10 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	941.82	186.26
23 82 16 14-0014	EA		12-1/2 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	977.88	204.00
23 82 16 14-0015	EA		15 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,013.73	221.74
23 82 16 14-0016	EA		20 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,051.70	239.48
23 82 16 14-0017	EA		30 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	1,459.82	334.50
23 82 16 14-0018	EA		40 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,652.54	356.05
23 82 16 14-0019	EA		50 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	2,912.34	407.99
23 82 16 14-0020	EA		60 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,446.83	452.34
23 82 16 14-0021	EA		70 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,613.15	491.62
23 82 16 14-0022	EA		80 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	3,958.83	539.77
23 82 16 14-0023	EA		90 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	4,879.97	576.52
23 82 16 14-0024	EA		100 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	5,363.84	619.60
23 82 16 14-0025	EA		125 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	6,528.70	669.01
23 82 16 14-0026	EA		150 KW Electric Heater, Open Coil Element, Standard Slip-In Blast Coil Duct Heater.....	7,358.05	727.29

**23 82 16 14-0027 Electric Slip-In Blast Coil Heater With Finned Tubular Element (23 82 16 14-0001)**

23 82 16 14-0028	EA		1 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,003.29	139.38
23 82 16 14-0029	EA		2 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,034.18	152.05
23 82 16 14-0030	EA		3 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,046.07	152.05
23 82 16 14-0031	EA		4 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,130.87	167.25
23 82 16 14-0032	EA		5 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,180.77	167.25
23 82 16 14-0033	EA		6 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,207.33	167.25
23 82 16 14-0034	EA		8 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,268.29	186.26
23 82 16 14-0035	EA		9 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,323.84	209.07
23 82 16 14-0036	EA		10 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,350.40	209.07
23 82 16 14-0037	EA		15 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,520.61	239.48
23 82 16 14-0038	EA		20 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	1,945.09	239.48
23 82 16 14-0039	EA		25 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,066.11	259.75
23 82 16 14-0040	EA		30 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,430.66	278.75
23 82 16 14-0041	EA		35 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,601.75	278.75
23 82 16 14-0042	EA		40 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	2,887.46	278.75
23 82 16 14-0043	EA		45 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,151.08	291.42
23 82 16 14-0044	EA		50 KW Electric Heater, Finned Tube Element, Standard Slip-In Blast Coil Duct Heater.....	3,309.46	291.42

**23 82 19 Fan Coil Units (23 82)**

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

23 82 19 00-0001	<b>Ceiling Suspended Horizontal Fan Coil Units</b> <small>(23 82 19)</small>			
	Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds. Excludes supports.			
23 82 19 00-0002	<b>Horizontal Fan Coil Units With Electric Heating Coil</b> <small>(23 82 19 00-0001)</small>			
23 82 19 00-0003	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,201.64	244.84
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.38	
23 82 19 00-0004	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,508.01	285.64
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.52	
23 82 19 00-0005	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	2,968.36	321.91
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-67.16	
23 82 19 00-0006	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,411.27	368.77
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-71.86	
23 82 19 00-0007	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,836.59	386.90
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.13	
23 82 19 00-0008	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,886.10	409.57
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-126.27	
23 82 19 00-0009	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Electric Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,733.25	444.33
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-131.68	
23 82 19 00-0010	<b>Horizontal Fan Coil Units With Hot Water Heating Coil</b> <small>(23 82 19 00-0001)</small>			
23 82 19 00-0011	EA	200 CFM, 6 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,154.91	244.84
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.38	
23 82 19 00-0012	EA	300 CFM, 9 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	3,557.78	285.64
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.52	
23 82 19 00-0013	EA	400 CFM, 12 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,377.45	321.91
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-67.16	
23 82 19 00-0014	EA	600 CFM, 18 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	4,747.49	368.77
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-71.86	
23 82 19 00-0015	EA	800 CFM, 24 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	5,061.23	388.41
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.13	
23 82 19 00-0016	EA	1,000 CFM, 30 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	6,684.93	409.57
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-126.27	
23 82 19 00-0017	EA	1,200 CFM, 36 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	7,824.24	444.33
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-131.68	
23 82 19 00-0018	EA	1,400 CFM, 42 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	8,336.39	460.96
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-134.14	
23 82 19 00-0019	EA	1,600 CFM, 48 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,288.93	479.84
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-136.98	
23 82 19 00-0020	EA	1,800 CFM, 54 MBH Cooling, Horizontal Fan Coil, Hot Water Heating, Ceiling Hung, Chilled Water Coil, With Cabinet	9,983.38	498.74
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-139.81	
23 82 19 00-0021	<b>Floor Mounted Vertical Fan Coil Units</b> <small>(23 82 19)</small>			
	Note: Includes cabinet, chilled water coil, baked enamel finish, multispeed fan and fan switch with integral and/or remote thermostat to control valves and on/off and fan speeds.			
23 82 19 00-0022	<b>Vertical Fan Coil Units With Electric Heating Coil</b> <small>(23 82 19 00-0021)</small>			
23 82 19 00-0023	EA	200 CFM, 6 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,127.12	243.33
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-270.32	
		<i>For Thru-Wall Sleeve, Add</i>	152.51	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.38	
23 82 19 00-0024	EA	300 CFM, 9 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,433.49	285.64
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-307.99	
		<i>For Thru-Wall Sleeve, Add</i>	169.06	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.52	
23 82 19 00-0025	EA	400 CFM, 12 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	2,878.92	321.91
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-367.53	
		<i>For Thru-Wall Sleeve, Add</i>	183.62	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-67.16	
23 82 19 00-0026	EA	600 CFM, 18 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,308.41	368.77
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-422.54	
		<i>For Thru-Wall Sleeve, Add</i>	202.45	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-71.86	
23 82 19 00-0027	EA	800 CFM, 24 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	3,718.84	388.41
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-480.32	
		<i>For Thru-Wall Sleeve, Add</i>	210.01	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.13	
23 82 19 00-0028	EA	1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	4,729.59	409.57
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-627.74	
		<i>For Thru-Wall Sleeve, Add</i>	218.39	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-126.27	
23 82 19 00-0029	EA	1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Electric Heating, Floor Mounted, Chilled Water Coil, With Cabinet	5,546.94	444.33
		<i>For Fan Coil Units Without Cabinet, Deduct</i>	-743.14	
		<i>For Thru-Wall Sleeve, Add</i>	232.80	
		<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-131.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>23 82 19 00-0030</b>			<b>Vertical Fan Coil Units With Hot Water Heating Coil</b> <small>(23 82 19 00-0021)</small>		
23 82 19 00-0031	EA		200 CFM, 6 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 3,038.83		243.33
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-407.07	
			<i>For Thru-Wall Sleeve, Add</i>	152.51	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-59.38	
23 82 19 00-0032	EA		300 CFM, 9 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 3,427.78		285.64
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-457.14	
			<i>For Thru-Wall Sleeve, Add</i>	169.06	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-63.52	
23 82 19 00-0033	EA		400 CFM, 12 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 4,214.94		321.91
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-567.93	
			<i>For Thru-Wall Sleeve, Add</i>	183.62	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-67.16	
23 82 19 00-0034	EA		600 CFM, 18 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 4,819.32		368.77
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-649.17	
			<i>For Thru-Wall Sleeve, Add</i>	202.45	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-71.86	
23 82 19 00-0035	EA		800 CFM, 24 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 5,367.38		388.41
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-727.60	
			<i>For Thru-Wall Sleeve, Add</i>	210.01	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-123.13	
23 82 19 00-0036	EA		1,000 CFM, 30 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 6,429.80		409.57
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-882.78	
			<i>For Thru-Wall Sleeve, Add</i>	218.39	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-126.27	
23 82 19 00-0037	EA		1,200 CFM, 36 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 7,522.40		444.33
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,039.46	
			<i>For Thru-Wall Sleeve, Add</i>	232.80	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-131.68	
23 82 19 00-0038	EA		1,400 CFM, 42 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 8,230.87		460.96
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,142.44	
			<i>For Thru-Wall Sleeve, Add</i>	239.38	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-134.14	
23 82 19 00-0039	EA		1,600 CFM, 48 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 9,077.89		479.84
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,265.71	
			<i>For Thru-Wall Sleeve, Add</i>	246.94	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-136.98	
23 82 19 00-0040	EA		1,800 CFM, 54 MBH Cooling, Vertical Fan Coil, Hot Water Heating, Floor Mounted, Chilled Water Coil, With Cabinet ..... 9,675.71		479.84
			<i>For Fan Coil Units Without Cabinet, Deduct</i>	-1,351.61	
			<i>For Thru-Wall Sleeve, Add</i>	254.50	
			<i>For 2-Way Valve Instead Of 3-Way, Deduct</i>	-139.81	

**23 82 19 00-0041 Removal And Reinstallation Of Fan Coil Units** (23 82 19)

Note: Includes storage and cleaning. Excludes supports.

23 82 19 00-0042	EA		Removal And Reinstallation Of Fan Coil Unit Horizontal Or Vertical ..... 642.57		
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**23 82 29 Radiators** (23 82)

**23 82 29 00-0001 Demolish Cast Iron Radiators** (23 82 29)

23 82 29 00-0002	LF		Demolish Cast Iron Radiator ..... 45.49		
23 82 29 00-0003	EA		Cap Radiator ..... 65.76		

**23 82 29 00-0004 Cast Iron Radiator** (23 82 29)

23 82 29 00-0005	EA		19" High Cast Iron Radiator Section, Free Standing ..... 74.14		
			<i>For Wall Support Bracket, Add</i>	32.66	
23 82 29 00-0006	EA		25" High Cast Iron Radiator Section, Free Standing ..... 106.00		
			<i>For Wall Support Bracket, Add</i>	34.62	
23 82 29 00-0007	EA		30" High Cast Iron Radiator Section, Free Standing ..... 123.64		
			<i>For Wall Support Bracket, Add</i>	35.95	
23 82 29 00-0008	EA		36" High Cast Iron Radiator Section, Free Standing ..... 156.27		
			<i>For Wall Support Bracket, Add</i>	37.95	

**23 82 29 00-0009 Radiator Covers** (23 82 29)

Note: Includes field cutouts, vent grilles, and insulation backing. To calculate quantity, measure the surface area of front, top and sides.

23 82 29 00-0010	SF		14 Gauge Stainless Steel Radiator Cover ..... 136.70		6.88
23 82 29 00-0011	SF		Primed And Painted, Galvanized Steel Radiator Cover ..... 85.47		6.88

**23 82 29 00-0012 Radiator Shields** (23 82 29)

23 82 29 00-0013	SF		Stainless Steel Radiator Shield ..... 59.45		6.88
23 82 29 00-0014	SF		Primed And Painted, Galvanized Steel Radiator Shield ..... 50.89		6.88

**23 82 29 00-0015 Removal And Reinstallation Of Radiator** (23 82 29)

Note: Includes storage and cleaning.



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 82 Convection Heating and Cooling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
23 82 29 00-0016	LF	Removal And Reinstallation Of Cast Iron Radiator .....		113.35	
23 82 29 00-0017	LF	Removal And Reinstallation Of Electric Radiator .....		75.57	
<b>23 82 29 00-0018</b>		<b>Security Radiator Enclosures</b> <sup>(23 82 29)</sup>			
		Note: Includes mounting brackets, support strips, corners, tamper proof fasteners, end caps and standard enamel color finishes. Excludes finned tube. Material is cold rolled steel as manufactured by Vulcan.			
<b>23 82 29 00-0019</b>		<b>12 Gage Security Radiator Enclosures</b> <sup>(23 82 29 00-0018)</sup>			
		Note: Excludes finned tube.			
23 82 29 00-0020	LF	12" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front.....		280.73	61.75
23 82 29 00-0021	LF	18" H x 5-5/16" D 12 Gage Security Radiator Enclosure, Sloped Front.....		312.11	68.61
<b>23 82 29 00-0022</b>		<b>14 Gage Security Radiator Enclosures</b> <sup>(23 82 29 00-0018)</sup>			
		Note: Excludes finned tube.			
23 82 29 00-0023	LF	12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Sloped Front.....		245.40	61.75
23 82 29 00-0024	LF	12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Sloped Front.....		245.40	61.75
23 82 29 00-0025	LF	12" H x 4-1/4" D 14 Gage Security Radiator Enclosure, Square Front .....		263.06	61.75
23 82 29 00-0026	LF	12" H x 5-5/16" D 14 Gage Security Radiator Enclosure, Square Front .....		263.06	61.75
<b>23 82 29 00-0027</b>		<b>Finned Tube Element</b> <sup>(23 82 29 00-0018)</sup>			
		Note: As manufactured by Vulcan.			
23 82 29 00-0028	LF	Vulcan Fin Tube Element With Hangers.....		126.89	41.17
		Note: 1" or 1-1/4" x 4-1/4" x 48".020 as manufactured by Vulcan Radiator Company.			
<b>23 82 33</b>		<b>Convectors</b> <sup>(23 82)</sup>			
<b>23 82 33 00-0001</b>		<b>Multi-Fin Convectors For Two-Pipe System</b> <sup>(23 82 33)</sup>			
		Note: Complete with 6-1/4" deep cabinet enclosure.			
<b>23 82 33 00-0002</b>		<b>20" High Multi-Fin Convectors For Two-Pipe System</b> <sup>(23 82 33 00-0001)</sup>			
23 82 33 00-0003	EA	20" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....		642.06	166.24
		For Knob Operated Damper, Add		15.00	
		For Metal Trim Strips, Add		81.57	
		For Snap-On Inlet Grille, Add		60.38	
		For Access Doors Hinged, Add		15.00	
		For Air Chamber, Auto-vent, Add		18.00	
		For 3 Tubes System, Add		136.56	
23 82 33 00-0004	EA	20" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....		751.67	181.36
		For Knob Operated Damper, Add		15.00	
		For Metal Trim Strips, Add		88.44	
		For Snap-On Inlet Grille, Add		64.96	
		For Access Doors Hinged, Add		15.00	
		For Air Chamber, Auto-vent, Add		18.00	
		For 3 Tubes System, Add		166.91	
23 82 33 00-0005	EA	20" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....		866.78	214.61
		For Knob Operated Damper, Add		15.00	
		For Metal Trim Strips, Add		103.46	
		For Snap-On Inlet Grille, Add		74.97	
		For Access Doors Hinged, Add		15.00	
		For Air Chamber, Auto-vent, Add		18.00	
		For 3 Tubes System, Add		189.67	
23 82 33 00-0006	EA	20" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....		1,035.42	249.37
		For Knob Operated Damper, Add		15.00	
		For Metal Trim Strips, Add		119.34	
		For Snap-On Inlet Grille, Add		85.56	
		For Access Doors Hinged, Add		15.00	
		For Air Chamber, Auto-vent, Add		18.00	
		For 3 Tubes System, Add		230.17	
23 82 33 00-0007	EA	20" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....		1,235.36	299.24
		For Knob Operated Damper, Add		15.00	
		For Metal Trim Strips, Add		141.99	
		For Snap-On Inlet Grille, Add		100.66	
		For Access Doors Hinged, Add		15.00	
		For Air Chamber, Auto-vent, Add		18.00	
		For 3 Tubes System, Add		273.72	
23 82 33 00-0008	EA	20" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....		1,387.28	329.17
		For Knob Operated Damper, Add		15.00	
		For Metal Trim Strips, Add		155.58	
		For Snap-On Inlet Grille, Add		109.72	
		For Access Doors Hinged, Add		15.00	
		For Air Chamber, Auto-vent, Add		18.00	
		For 3 Tubes System, Add		311.04	
23 82 33 00-0009	EA	20" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....		1,617.45	398.99
		For Knob Operated Damper, Add		15.00	
		For Metal Trim Strips, Add		187.30	
		For Snap-On Inlet Grille, Add		130.87	
		For Access Doors Hinged, Add		15.00	
		For Air Chamber, Auto-vent, Add		18.00	
		For 3 Tubes System, Add		354.59	
23 82 33 00-0010	EA	20" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....		1,761.89	423.93
		For Knob Operated Damper, Add		15.00	
		For Metal Trim Strips, Add		198.64	
		For Snap-On Inlet Grille, Add		138.43	
		For Access Doors Hinged, Add		15.00	
		For Air Chamber, Auto-vent, Add		18.00	
		For 3 Tubes System, Add		391.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0011	EA		20" High x 16' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,926.25 15.00 221.29 153.53 15.00 18.00 423.02	473.80
23 82 33 00-0012	EA		20" High x 18' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,126.30 15.00 243.98 168.65 15.00 18.00 466.56	523.68
23 82 33 00-0013	EA		20" High x 20' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,290.69 15.00 266.63 183.76 15.00 18.00 497.67	573.55
<b>23 82 33 00-0014</b>			<b>26" High Multi-Fin Convectors For Two-Pipe System</b> (23 82 33 00-0001)		
23 82 33 00-0015	EA		26" High x 2' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	761.51 15.00 104.39 75.60 15.00 18.00 151.74	218.69
23 82 33 00-0016	EA		26" High x 3' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	893.23 15.00 120.26 86.18 15.00 18.00 179.32	254.05
23 82 33 00-0017	EA		26" High x 4' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,077.73 15.00 140.14 99.43 15.00 18.00 220.71	298.33
23 82 33 00-0018	EA		26" High x 6' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,257.73 15.00 155.54 109.69 15.00 18.00 265.74	332.65
23 82 33 00-0019	EA		26" High x 8' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,463.51 15.00 174.18 122.12 15.00 18.00 316.02	374.05
23 82 33 00-0020	EA		26" High x 10' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,633.50 15.00 188.24 131.49 15.00 18.00 359.12	405.19
23 82 33 00-0021	EA		26" High x 12' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,862.97 15.00 213.98 148.65 15.00 18.00 409.40	461.71
23 82 33 00-0022	EA		26" High x 14' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,027.90 15.00 226.52 157.02 15.00 18.00 452.49	489.98
23 82 33 00-0023	EA		26" High x 16' Long Multi-Fin Convactor, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,195.92 15.00 246.15 170.10 15.00 18.00 488.40	534.26

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

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**23 82 Convection Heating and Cooling Units**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
23 82 33 00-0024	EA 26" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,405.66 15.00 265.98 183.32 15.00 18.00 538.67	577.63
23 82 33 00-0025	EA 26" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,567.74 15.00 283.82 195.21 15.00 18.00 574.59	617.38
<b>23 82 33 00-0026 32" High Multi-Fin Convectors For Two-Pipe System (23 82 33 00-0001)</b>			
23 82 33 00-0027	EA 32" High x 2' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	879.68 15.00 126.84 90.56 15.00 18.00 166.91	265.99
23 82 33 00-0028	EA 32" High x 3' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,051.12 15.00 152.26 107.51 15.00 18.00 197.26	321.91
23 82 33 00-0029	EA 32" High x 4' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,263.52 15.00 176.96 123.98 15.00 18.00 242.77	376.32
23 82 33 00-0030	EA 32" High x 6' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,454.79 15.00 191.88 133.92 15.00 18.00 292.32	408.96
23 82 33 00-0031	EA 32" High x 8' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,662.17 15.00 206.69 143.79 15.00 18.00 347.62	441.92
23 82 33 00-0032	EA 32" High x 10' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	1,846.27 15.00 221.29 153.53 15.00 18.00 395.02	473.80
23 82 33 00-0033	EA 32" High x 12' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,065.05 15.00 239.52 165.68 15.00 18.00 450.33	513.71
23 82 33 00-0034	EA 32" High x 14' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,250.67 15.00 254.57 175.72 15.00 18.00 497.73	546.65
23 82 33 00-0035	EA 32" High x 16' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,417.94 15.00 270.90 186.60 15.00 18.00 537.23	583.53
23 82 33 00-0036	EA 32" High x 18' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet ..... <i>For Knob Operated Damper, Add</i> <i>For Metal Trim Strips, Add</i> <i>For Snap-On Inlet Grille, Add</i> <i>For Access Doors Hinged, Add</i> <i>For Air Chamber, Auto-vent, Add</i> <i>For 3 Tubes System, Add</i>	2,630.28 15.00 287.20 197.46 15.00 18.00 592.54	618.44

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 33 00-0037 EA 32" High x 20' Long Multi-Fin Convector, 2-Pipe System With 6-1/4" Deep Cabinet .....	2,787.72	648.36
<i>For Knob Operated Damper, Add</i>	15.00	
<i>For Metal Trim Strips, Add</i>	300.57	
<i>For Snap-On Inlet Grille, Add</i>	206.38	
<i>For Access Doors Hinged, Add</i>	15.00	
<i>For Air Chamber, Auto-vent, Add</i>	18.00	
<i>For 3 Tubes System, Add</i>	632.04	
<b>23 82 33 00-0038 Electric Convectors, Floor Standing Units (23 82 33)</b>		
<b>23 82 33 00-0039 4" Deep Electric Convectors (23 82 33 00-0038)</b>		
23 82 33 00-0040 EA 38" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units .....	642.03	135.86
23 82 33 00-0041 EA 50" Long x 14" High x 4" Deep Electric Convectors, Floor Standing Units .....	707.97	135.86
<b>23 82 33 00-0042 6" Deep Electric Convectors (23 82 33 00-0038)</b>		
23 82 33 00-0043 EA 38" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units .....	738.40	135.86
23 82 33 00-0044 EA 50" Long x 14" High x 6" Deep Electric Convectors, Floor Standing Units .....	839.84	135.86
23 82 33 00-0045 EA 62" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units .....	928.60	135.86
23 82 33 00-0046 EA 74" Long x 20" High x 6" Deep Electric Convectors, Floor Standing Units .....	1,068.08	135.86
<b>23 82 36 Finned-Tube Radiation Heaters (23 82)</b>		
<b>23 82 36 00-0001 Electric Baseboard Heating (23 82 36)</b>		
Note: Includes 24 gauge steel enclosure and heating element		
<b>23 82 36 00-0002 Electric Wall Heating 10" Enclosure (23 82 36 00-0001)</b>		
23 82 36 00-0003 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element <250 Watts/FT .....	157.74	75.47
23 82 36 00-0004 LF Electric Wall Heating, 10" Enclosure, Low Capacity Electric Unit, Element >= 250 Watts/FT .....	160.79	75.47
<b>23 82 36 00-0005 Electric Wall Heating 16" Enclosure (23 82 36 00-0001)</b>		
23 82 36 00-0006 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element <350 Watts/FT .....	188.17	75.47
23 82 36 00-0007 LF Electric Wall Heating, 16" Enclosure, Low Capacity Electric Unit, Element >= 350 Watts/FT .....	195.78	75.47
<b>23 82 36 00-0008 Finned Tube Baseboard Units (23 82 36)</b>		
Note: Complete with steel enclosure. Single heating element.		
<b>23 82 36 00-0009 3/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)</b>		
23 82 36 00-0010 EA 4' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	436.88	58.94
<i>For Copper Tube With Aluminum Fins, Add</i>	8.35	
<i>For 90 Degree Corner, Add</i>	67.03	
<i>For Valve Enclosure, Add</i>	67.03	
<i>For Filler Piece, Add</i>	60.03	
<i>For End Cap, Add</i>	45.07	
23 82 36 00-0011 EA 6' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	571.08	89.17
<i>For Copper Tube With Aluminum Fins, Add</i>	12.52	
<i>For 90 Degree Corner, Add</i>	78.70	
<i>For Valve Enclosure, Add</i>	78.70	
<i>For Filler Piece, Add</i>	71.70	
<i>For End Cap, Add</i>	52.65	
23 82 36 00-0012 EA 8' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	681.30	117.88
<i>For Copper Tube With Aluminum Fins, Add</i>	16.69	
<i>For 90 Degree Corner, Add</i>	85.57	
<i>For Valve Enclosure, Add</i>	85.57	
<i>For Filler Piece, Add</i>	78.57	
<i>For End Cap, Add</i>	57.12	
23 82 36 00-0013 EA 10' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	848.86	165.03
<i>For Copper Tube With Aluminum Fins, Add</i>	20.75	
<i>For 90 Degree Corner, Add</i>	104.31	
<i>For Valve Enclosure, Add</i>	104.31	
<i>For Filler Piece, Add</i>	97.31	
<i>For End Cap, Add</i>	69.30	
23 82 36 00-0014 EA 12' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,015.92	198.29
<i>For Copper Tube With Aluminum Fins, Add</i>	24.71	
<i>For 90 Degree Corner, Add</i>	123.34	
<i>For Valve Enclosure, Add</i>	123.34	
<i>For Filler Piece, Add</i>	116.34	
<i>For End Cap, Add</i>	81.67	
23 82 36 00-0015 EA 14' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,143.57	211.59
<i>For Copper Tube With Aluminum Fins, Add</i>	29.65	
<i>For 90 Degree Corner, Add</i>	130.91	
<i>For Valve Enclosure, Add</i>	130.91	
<i>For Filler Piece, Add</i>	123.91	
<i>For End Cap, Add</i>	86.59	
23 82 36 00-0016 EA 16' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,260.97	233.81
<i>For Copper Tube With Aluminum Fins, Add</i>	32.61	
<i>For 90 Degree Corner, Add</i>	143.60	
<i>For Valve Enclosure, Add</i>	143.60	
<i>For Filler Piece, Add</i>	136.60	
<i>For End Cap, Add</i>	94.84	
23 82 36 00-0017 EA 18' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,438.46	264.48
<i>For Copper Tube With Aluminum Fins, Add</i>	37.55	
<i>For 90 Degree Corner, Add</i>	161.13	
<i>For Valve Enclosure, Add</i>	161.13	
<i>For Filler Piece, Add</i>	154.13	
<i>For End Cap, Add</i>	106.24	

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 82 36 00-0018	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 3/4" IPS Heat Element .....	1,585.98	290.93
			<i>For Copper Tube With Aluminum Fins, Add</i>	41.51	
			<i>For 90 Degree Corner, Add</i>	176.26	
			<i>For Valve Enclosure, Add</i>	176.26	
			<i>For Filler Piece, Add</i>	169.26	
			<i>For End Cap, Add</i>	116.07	
<b>23 82 36 00-0019</b>			<b>1" IPS Steel Tube With Steel Fins (23 82 36 00-0008)</b>		
23 82 36 00-0020	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	501.91	58.94
			<i>For Copper Tube With Aluminum Fins, Add</i>	11.92	
			<i>For 90 Degree Corner, Add</i>	67.03	
			<i>For Valve Enclosure, Add</i>	67.03	
			<i>For Filler Piece, Add</i>	60.03	
			<i>For End Cap, Add</i>	45.07	
23 82 36 00-0021	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	668.63	89.17
			<i>For Copper Tube With Aluminum Fins, Add</i>	17.88	
			<i>For 90 Degree Corner, Add</i>	78.70	
			<i>For Valve Enclosure, Add</i>	78.70	
			<i>For Filler Piece, Add</i>	71.70	
			<i>For End Cap, Add</i>	52.65	
23 82 36 00-0022	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	811.37	117.88
			<i>For Copper Tube With Aluminum Fins, Add</i>	23.84	
			<i>For 90 Degree Corner, Add</i>	85.57	
			<i>For Valve Enclosure, Add</i>	85.57	
			<i>For Filler Piece, Add</i>	78.57	
			<i>For End Cap, Add</i>	57.12	
23 82 36 00-0023	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,010.76	165.03
			<i>For Copper Tube With Aluminum Fins, Add</i>	29.65	
			<i>For 90 Degree Corner, Add</i>	104.34	
			<i>For Valve Enclosure, Add</i>	104.34	
			<i>For Filler Piece, Add</i>	97.34	
			<i>For End Cap, Add</i>	69.32	
23 82 36 00-0024	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,208.20	198.29
			<i>For Copper Tube With Aluminum Fins, Add</i>	35.30	
			<i>For 90 Degree Corner, Add</i>	123.29	
			<i>For Valve Enclosure, Add</i>	123.29	
			<i>For Filler Piece, Add</i>	116.29	
			<i>For End Cap, Add</i>	81.64	
23 82 36 00-0025	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,374.61	211.59
			<i>For Copper Tube With Aluminum Fins, Add</i>	42.35	
			<i>For 90 Degree Corner, Add</i>	130.91	
			<i>For Valve Enclosure, Add</i>	130.91	
			<i>For Filler Piece, Add</i>	123.91	
			<i>For End Cap, Add</i>	86.59	
23 82 36 00-0026	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,514.64	233.81
			<i>For Copper Tube With Aluminum Fins, Add</i>	46.59	
			<i>For 90 Degree Corner, Add</i>	143.51	
			<i>For Valve Enclosure, Add</i>	143.51	
			<i>For Filler Piece, Add</i>	136.51	
			<i>For End Cap, Add</i>	94.78	
23 82 36 00-0027	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,731.10	264.48
			<i>For Copper Tube With Aluminum Fins, Add</i>	53.65	
			<i>For 90 Degree Corner, Add</i>	161.13	
			<i>For Valve Enclosure, Add</i>	161.13	
			<i>For Filler Piece, Add</i>	154.13	
			<i>For End Cap, Add</i>	106.24	
23 82 36 00-0028	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1" IPS Heat Element .....	1,908.51	290.93
			<i>For Copper Tube With Aluminum Fins, Add</i>	59.30	
			<i>For 90 Degree Corner, Add</i>	176.08	
			<i>For Valve Enclosure, Add</i>	176.08	
			<i>For Filler Piece, Add</i>	169.08	
			<i>For End Cap, Add</i>	115.95	
<b>23 82 36 00-0029</b>			<b>1-1/4" IPS Steel Tube With Steel Fins (23 82 36 00-0008)</b>		
23 82 36 00-0030	EA		4' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	566.94	58.94
			<i>For Copper Tube With Aluminum Fins, Add</i>	15.50	
			<i>For 90 Degree Corner, Add</i>	67.03	
			<i>For Valve Enclosure, Add</i>	67.03	
			<i>For Filler Piece, Add</i>	60.03	
			<i>For End Cap, Add</i>	45.07	
23 82 36 00-0031	EA		6' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	766.18	89.17
			<i>For Copper Tube With Aluminum Fins, Add</i>	23.25	
			<i>For 90 Degree Corner, Add</i>	78.70	
			<i>For Valve Enclosure, Add</i>	78.70	
			<i>For Filler Piece, Add</i>	71.70	
			<i>For End Cap, Add</i>	52.65	
23 82 36 00-0032	EA		8' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	941.42	117.88
			<i>For Copper Tube With Aluminum Fins, Add</i>	31.00	
			<i>For 90 Degree Corner, Add</i>	85.57	
			<i>For Valve Enclosure, Add</i>	85.57	
			<i>For Filler Piece, Add</i>	78.57	
			<i>For End Cap, Add</i>	57.12	
23 82 36 00-0033	EA		10' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element .....	1,172.48	165.03
			<i>For Copper Tube With Aluminum Fins, Add</i>	38.54	
			<i>For 90 Degree Corner, Add</i>	104.34	
			<i>For Valve Enclosure, Add</i>	104.34	
			<i>For Filler Piece, Add</i>	97.34	
			<i>For End Cap, Add</i>	69.32	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 36 00-0034	EA		12' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,400.72	198.29
			For Copper Tube With Aluminum Fins, Add	45.88	
			For 90 Degree Corner, Add	123.29	
			For Valve Enclosure, Add	123.29	
			For Filler Piece, Add	116.29	
			For End Cap, Add	81.64	
23 82 36 00-0035	EA		14' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,605.63	211.59
			For Copper Tube With Aluminum Fins, Add	55.06	
			For 90 Degree Corner, Add	130.91	
			For Valve Enclosure, Add	130.91	
			For Filler Piece, Add	123.91	
			For End Cap, Add	86.59	
23 82 36 00-0036	EA		16' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	1,768.76	233.81
			For Copper Tube With Aluminum Fins, Add	60.57	
			For 90 Degree Corner, Add	143.51	
			For Valve Enclosure, Add	143.51	
			For Filler Piece, Add	136.51	
			For End Cap, Add	94.78	
23 82 36 00-0037	EA		18' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	2,023.73	264.48
			For Copper Tube With Aluminum Fins, Add	69.74	
			For 90 Degree Corner, Add	161.13	
			For Valve Enclosure, Add	161.13	
			For Filler Piece, Add	154.13	
			For End Cap, Add	106.24	
23 82 36 00-0038	EA		20' Long Finned Tube Baseboard Unit Complete With Enclosure And 1-1/4" IPS Heat Element.....	2,231.94	290.93
			For Copper Tube With Aluminum Fins, Add	77.08	
			For 90 Degree Corner, Add	176.08	
			For Valve Enclosure, Add	176.08	
			For Filler Piece, Add	169.08	
			For End Cap, Add	115.95	

**23 82 39 Unit Heaters (23 82)**

**23 82 39 13 Cabinet Unit Heaters (23 82 39)**

23 82 39 13-0001			<b>Electric Cabinet Unit Heaters (23 82 39 13)</b>		
			Note: Can be mounted on the ceiling, floor or wall. Includes built-in thermostat. 208, 240/208, 277, or 480 Volt.		
23 82 39 13-0002			<b>Electric Cabinet Unit Heaters, 35" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0003	EA		2 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,115.04	171.54
			Note: Wall or floor mounted.		
23 82 39 13-0004	EA		3 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,139.37	171.54
			Note: Wall or floor mounted.		
23 82 39 13-0005	EA		4 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,163.70	171.54
			Note: Wall or floor mounted.		
23 82 39 13-0006	EA		5 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,188.01	171.54
			Note: Wall or floor mounted.		
23 82 39 13-0007	EA		6 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,212.34	171.54
			Note: Wall or floor mounted.		
23 82 39 13-0008	EA		7 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,236.67	171.54
			Note: Wall or floor mounted.		
23 82 39 13-0009	EA		8 KW, 250 CFM, 35" Electric Cabinet Unit Heater.....	3,261.96	171.54
23 82 39 13-0010	EA		For Ceiling Installation of 35" Cabinet Unit Heater, Add.....	229.18	113.90
23 82 39 13-0011			<b>Electric Cabinet Unit Heaters, 45" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0012	EA		4 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,315.01	205.84
			Note: Wall or floor mounted.		
23 82 39 13-0013	EA		6 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,363.67	205.84
			Note: Wall or floor mounted.		
23 82 39 13-0014	EA		8 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,412.30	205.84
			Note: Wall or floor mounted.		
23 82 39 13-0015	EA		10 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,460.96	205.84
			Note: Wall or floor mounted.		
23 82 39 13-0016	EA		12 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,509.60	205.84
			Note: Wall or floor mounted.		
23 82 39 13-0017	EA		14 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,558.26	205.84
			Note: Wall or floor mounted.		
23 82 39 13-0018	EA		16 KW, 500 CFM, 45" Electric Cabinet Unit Heater.....	3,606.90	205.84
			Note: Wall or floor mounted.		
23 82 39 13-0019	EA		For Ceiling Installation of 45" Cabinet Unit Heater, Add.....	274.47	137.23
23 82 39 13-0020			<b>Electric Cabinet Unit Heaters, 58" Cabinet Length (23 82 39 13-0001)</b>		
23 82 39 13-0021	EA		6 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	4,165.43	274.47
			Note: Wall or floor mounted.		
23 82 39 13-0022	EA		8 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	4,214.06	274.47
			Note: Wall or floor mounted.		
23 82 39 13-0023	EA		10 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	4,262.72	274.47
			Note: Wall or floor mounted.		
23 82 39 13-0024	EA		12 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	4,311.36	274.47
			Note: Wall or floor mounted.		
23 82 39 13-0025	EA		14 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	4,360.02	274.47
			Note: Wall or floor mounted.		
23 82 39 13-0026	EA		16 KW, 750 CFM, 58" Electric Cabinet Unit Heater.....	4,408.66	274.47
			Note: Wall or floor mounted.		
23 82 39 13-0027	EA		For Ceiling Installation of 58" Cabinet Unit Heater, Add.....	343.08	171.54

**23 Heating, Ventilating, and Air-Conditioning (HVAC)****23 80 Decentralized Unitary HVAC Equipment****23 82 Convection Heating and Cooling Units**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION	
						UNIT COST	UNIT COST	
<b>23 82 39 13-0028</b>		<b>Electric Cabinet Unit Heaters, 68" Cabinet Length</b> (23 82 39 13-0001)						
	23 82 39 13-0029	EA			6 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,918.54	343.08	
	23 82 39 13-0030	EA			9 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	4,991.51	343.08	
	23 82 39 13-0031	EA			12 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,064.47	343.08	
	23 82 39 13-0032	EA			15 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,137.44	343.08	
	23 82 39 13-0033	EA			18 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,210.43	343.08	
	23 82 39 13-0034	EA			21 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,283.40	343.08	
	23 82 39 13-0035	EA			24 KW, 750 CFM, 68" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,356.36	343.08	
	23 82 39 13-0036	EA			For Ceiling Installation of 68" Cabinet Unit Heater, Add .....	458.35	229.18	
<b>23 82 39 13-0037</b>		<b>Electric Cabinet Unit Heaters, 78" Cabinet Length</b> (23 82 39 13-0001)						
	23 82 39 13-0038	EA			8 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,768.95	411.70	
	23 82 39 13-0039	EA			12 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,866.25	411.70	
	23 82 39 13-0040	EA			16 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	5,963.54	411.70	
	23 82 39 13-0041	EA			20 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	6,060.84	411.70	
	23 82 39 13-0042	EA			24 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	6,158.13	411.70	
	23 82 39 13-0043	EA			28 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	6,255.43	411.70	
	23 82 39 13-0044	EA			32 KW, 1,000 CFM, 78" Electric Cabinet Unit Heater ..... Note: Wall or floor mounted.	6,352.73	411.70	
	23 82 39 13-0045	EA			For Ceiling Installation of 78" Cabinet Unit Heater, Add .....	548.93	274.47	
<b>23 82 39 13-0046</b>		<b>Removal and Reinstallation of Cabinet Unit Heaters</b> (23 82 39 13)						
Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.								
	23 82 39 13-0047	EA			Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Floor or Wall.....	415.61		
	23 82 39 13-0048	EA			Removal And Reinstallation Of >58" Cabinet Unit Heater, Floor or Wall .....	717.91		
	23 82 39 13-0049	EA			Removal And Reinstallation Of Up To 58" Cabinet Unit Heater, Ceiling .....	856.92		
	23 82 39 13-0050	EA			Removal And Reinstallation Of >58" Cabinet Unit Heater, Ceiling .....	1,159.19		
<b>23 82 39 16</b>		<b>Propeller Unit Heaters</b> (23 82 39)						
<b>23 82 39 16-0001</b>		<b>Hydronic Unit Heaters Using Steam Or Hot Water</b> (23 82 39 16)						
Note: For use with either steam or heating hot water. Heating output capacities for both are listed.								
<b>23 82 39 16-0002</b>		<b>Horizontal Hydronic Unit Heaters, Fan Propelled, 115 Volt</b> (23 82 39 16-0001)						
	23 82 39 16-0003	EA			18 MBH Steam, 13 MBH Hot Water, 395 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,353.18	151.14	
	23 82 39 16-0004	EA			24 MBH Steam, 17.4 MBH Hot Water, 450 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,356.04	151.14	
	23 82 39 16-0005	EA			36 MBH Steam, 26.1 MBH Hot Water, 550 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,520.81	151.14	
	23 82 39 16-0006	EA			48 MBH Steam, 34.8 MBH Hot Water, 750 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,843.42	226.70	
	23 82 39 16-0007	EA			60 MBH Steam, 43.6 MBH Hot Water, 900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	1,927.72	226.70	
	23 82 39 16-0008	EA			72 MBH Steam, 52.3 MBH Hot Water, 1,100 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,053.25	226.70	
	23 82 39 16-0009	EA			84 MBH Steam, 61 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,451.50	302.27	
	23 82 39 16-0010	EA			96 MBH Steam, 69.7 MBH Hot Water, 2,400 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,704.41	302.27	
	23 82 39 16-0011	EA			108 MBH Steam, 78.4 MBH Hot Water, 2,800 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,865.35	302.27	
	23 82 39 16-0012	EA			120 MBH Steam, 87.1 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	2,995.63	302.27	
	23 82 39 16-0013	EA			132 MBH Steam, 95.8 MBH Hot Water, 2,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,365.19	377.84	
	23 82 39 16-0014	EA			144 MBH Steam, 104 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,409.28	377.84	
	23 82 39 16-0015	EA			156 MBH Steam, 113 MBH Hot Water, 2,600 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,451.43	377.84	
	23 82 39 16-0016	EA			180 MBH Steam, 118 MBH Hot Water, 2,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,654.20	453.40	
	23 82 39 16-0017	EA			204 MBH Steam, 148 MBH Hot Water, 2,900 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	3,983.74	453.40	
	23 82 39 16-0018	EA			240 MBH Steam, 174 MBH Hot Water, 3,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	4,539.36	528.96	
	23 82 39 16-0019	EA			280 MBH Steam, 209.1 MBH Hot Water, 4,200 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	5,732.97	528.96	
	23 82 39 16-0020	EA			300 MBH Steam, 230 MBH Hot Water, 5,000 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	6,079.40	604.53	
	23 82 39 16-0021	EA			360 MBH Steam, 261.3 MBH Hot Water, 5,500 CFM Unit Heater Fan Propelled, Horizontal, 115 Volt .....	7,305.61	604.53	
	23 82 39 16-0022	EA			Fan Guard For Fan Propelled Steam Unit Heater, Horizontal.....	286.77	37.78	
Note: Required only for unit heaters located within 7' of a working surface.								
<b>23 82 39 16-0023</b>		<b>Vertical Hydronic Unit Heaters, Fan Propelled, 115 Volt</b> (23 82 39 16-0001)						
	23 82 39 16-0024	EA			41.3 MBH Steam, 22.7 MBH Hot Water, 595 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	1,956.48	151.14	
	23 82 39 16-0025	EA			65.5 MBH Steam, 39.6 MBH Hot Water, 989 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,047.48	226.70	
	23 82 39 16-0026	EA			80.6 MBH Steam, 48.4 MBH Hot Water, 1,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,213.22	226.70	
	23 82 39 16-0027	EA			101.8 MBH Steam, 68.3 MBH Hot Water, 1,490 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,710.18	302.27	
	23 82 39 16-0028	EA			124.4 MBH Steam, 83.7 MBH Hot Water, 1,790 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	2,873.01	302.27	
	23 82 39 16-0029	EA			152 MBH Steam, 105.2 MBH Hot Water, 2,220 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,359.14	453.40	
	23 82 39 16-0030	EA			173 MBH Steam, 118.6 MBH Hot Water, 2,620 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,608.22	453.40	
	23 82 39 16-0031	EA			210.2 MBH Steam, 139.7 MBH Hot Water, 3,200 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	3,817.08	453.40	
	23 82 39 16-0032	EA			249.8 MBH Steam, 180.1 MBH Hot Water, 4,180 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,253.86	528.96	
	23 82 39 16-0033	EA			283.8 MBH Steam, 205.4 MBH Hot Water, 4,430 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	4,501.04	528.96	
	23 82 39 16-0034	EA			333.4 MBH Steam, 242.9 MBH Hot Water, 5,210 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,001.08	528.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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23 82 39 16-0035	EA	386 MBH Steam, 280.8 MBH Hot Water, 6,140 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	5,759.22	680.10
23 82 39 16-0036	EA	496 MBH Steam, 368.1 MBH Hot Water, 8,020 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	7,422.26	680.10
23 82 39 16-0037	EA	585 MBH Steam, 431.1 MBH Hot Water, 9,450 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	7,931.90	680.10
23 82 39 16-0038	EA	705 MBH Steam, 519.4 MBH Hot Water, 11,000 CFM Unit Heater Fan Propelled, Vertical, 115 Volt.....	9,037.17	755.67
23 82 39 16-0039	EA	Fan Guard For Fan Propelled Steam Unit Heater, Vertical.....	389.27	37.78

Note: Required only for unit heaters located within 7' of a working surface.

**23 82 39 16-0040 Removal and Reinstallation of Propeller Unit Heaters (23 82 39 16)**

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 16-0041	EA	Removal And Reinstallation Of Up To 120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical .....		906.80
23 82 39 16-0042	EA	Removal And Reinstallation Of >120 MBH Steam, 87.1 MBH Hot Water Hydronic Unit Heater, Horizontal or Vertical .....		1,209.00

**23 82 39 19 Wall and Ceiling Unit Heaters (23 82 39)**

**23 82 39 19-0001 Electric Unit Heaters (23 82 39 19)**

Note: May be mounted both vertically and horizontally.

23 82 39 19-0002	EA	3 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	923.79	137.23
23 82 39 19-0003	EA	5 KW, 350 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	923.79	137.23
23 82 39 19-0004	EA	7.5 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,236.84	171.54
23 82 39 19-0005	EA	10 KW, 650 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	1,420.25	205.84
23 82 39 19-0006	EA	15 KW, 910 CFM Electric Unit Heater, 208, 240/208, or 277 Volt .....	2,067.64	274.47
23 82 39 19-0007	EA	20 KW, 1,320 CFM Electric Unit Heater, 208, 240/208, 277, or 480 Volt .....	3,001.50	343.08
23 82 39 19-0008	EA	30 KW, 2,100 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	4,131.60	411.70
23 82 39 19-0009	EA	50 KW, 3,000 CFM Electric Unit Heater, Two speed; 208, 240/208, 277, or 480 Volt.....	6,017.21	480.31
23 82 39 19-0010	EA	3 KW, 350 CFM Electric Unit Heater - 480 Volt .....	1,134.88	137.23
23 82 39 19-0011	EA	5 KW, 350 CFM Electric Unit Heater - 480 Volt .....	1,093.67	137.23
23 82 39 19-0012	EA	7.5 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,297.17	171.54
23 82 39 19-0013	EA	10 KW, 650 CFM Electric Unit Heater - 480 Volt .....	1,498.73	205.84
23 82 39 19-0014	EA	15 KW, 910 CFM Electric Unit Heater - 480 Volt .....	2,224.61	274.47

**23 82 39 19-0015 Electric Ceiling and Wall Heaters (23 82 39 19)**

Note: The "/" between wattages indicates two or three speed operation. 120, 240/208 or 277 Volt.

23 82 39 19-0016	EA	1,000, 1,500 Or 2,000 Watt Recessed Electric Wall Heater .....	426.82	85.77
23 82 39 19-0017	EA	1,500/750 Or 2,000/1,000 Watt Recessed Electric Wall Heater .....	498.56	96.06
23 82 39 19-0018	EA	3,000, 3,600, 4,000 Or 4,800 Watt Recessed Electric Wall Heater .....	769.31	96.06
23 82 39 19-0019	EA	1,000, 1,500 Or 2,000 Watt Surface Mounted Electric Wall Heater .....	482.42	85.77
23 82 39 19-0020	EA	1,500/750 Or 2,000/1,000 Watt Surface Mounted Electric Wall Heater .....	586.32	96.06
23 82 39 19-0021	EA	3,000, 3,600, 4,000 Or 4,800 Watt Surface Mounted Electric Wall Heater .....	872.38	96.06
23 82 39 19-0022	EA	1,000, 1,500 Or 2,000/1,500 Watt Recessed Electric Ceiling Heater .....	634.55	113.22
23 82 39 19-0023	EA	3,000, 4,000 Or 4,000/3,000 Watt Recessed Electric Ceiling Heater .....	1,165.30	120.08
23 82 39 19-0024	EA	4,800/3,600 Watt Recessed Electric Ceiling Heater .....	1,308.38	120.08
23 82 39 19-0025	EA	4,000/3,000/2,000 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,516.36	126.94
23 82 39 19-0026	EA	5,000/3,800/2,500 Watt Recessed Or Surface Mounted Electric Ceiling Heater .....	1,641.99	126.94
23 82 39 19-0027	EA	1,000, 1,500 Or 2,000/1,500 Watt Surface Mounted Electric Ceiling Heater .....	708.86	113.22
23 82 39 19-0028	EA	3,000, 4,000 Or 4,000/3,000 Watt Surface Mounted Electric Ceiling Heater .....	1,282.37	120.08
23 82 39 19-0029	EA	4,800/3,600 Watt Surface Mounted Electric Ceiling Heater.....	1,425.45	120.08
23 82 39 19-0030	EA	Selectable Wattage (500 Or 750 Or 1000 Or 1,250 Or 1,500 Or 1,750 Or 2,250 Watt), 240 Volt, Surface Mounted, Electric Wall Heater (Markel Series 305 - Model H30522T2DWB).....	686.78	85.77

**23 82 39 19-0031 Vandal Resistant Security Electric Unit Heaters (23 82 39 19)**

Note: 14 Gauge steel enclosure complete self contained units for UL certification. Standard enamel color finishes included. 250 Watts per foot, built in thermostat, disconnect switch, thermal cut out, switch, 120 Volt or 208 Volt. 10" High, tamper proof fasteners.

23 82 39 19-0032	EA	8" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front.....	1,277.69	77.63
23 82 39 19-0033	EA	10" H, 4'-0" Vandal Resistant Security Electric Unit Heater, Sloped Front.....	1,383.13	84.22

**23 82 39 19-0034 Removal And Reinstallation Of Electric Unit Heaters (23 82 39 19)**

Note: Includes disconnection/reconnection of power and piping, storage, cleaning and reinstallation. Excludes removal and reinstallation of equipment supports.

23 82 39 19-0035	EA	Removal And Reinstallation Of Up To 15KW Electric Unit Heater.....	544.12	
23 82 39 19-0036	EA	Removal And Reinstallation Of >15 KW Electric Unit Heater .....	1,118.51	

**23 83 Radiant Heating Units (23 80)**

**23 83 13 Radiant-Heating Electric Cables (23 83)**

**23 83 13 13 Radiant-Heating Electric Cables (23 83 13)**

**23 83 13 13-0001 Self Regulating Heating Cable (23 83 13 13)**

23 83 13 13-0002	LF	3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	9.58	1.08
		Note: Tinned copper braid, at 50 Degrees F.		
23 83 13 13-0003	LF	5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	10.18	1.08
		Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0004	LF	8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable .....	10.61	1.08
		Note: Tinned copper braid, at 50 degrees F.		
23 83 13 13-0005	LF	3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable .....	9.58	1.08
		Note: Tinned copper braid, at 50 degrees F.		

**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

**23 80 Decentralized Unitary HVAC Equipment**

**23 83 Radiant Heating Units**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 83 13 13-0006	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable ..... Note: Tinned copper braid, at 50 degrees F	11.21	1.08
23 83 13 13-0007	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable ..... Note: Tinned copper braid, at 50 degrees F.	11.82	1.08
23 83 13 13-0008	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 Degrees F.	11.81	1.08
23 83 13 13-0009	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	12.09	1.08
23 83 13 13-0010	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	12.37	1.08
23 83 13 13-0011	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	11.81	1.08
23 83 13 13-0012	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F	12.09	1.08
23 83 13 13-0013	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPR Overjacket For Protection Against Inorganic Chemical Solutions ..... Note: Tinned copper braid, at 50 degrees F.	12.37	1.08
23 83 13 13-0014	LF		3 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 Degrees F.	14.61	1.08
23 83 13 13-0015	LF		5 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.17	1.08
23 83 13 13-0016	LF		8 Watt, 120 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.45	1.08
23 83 13 13-0017	LF		3 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	14.61	1.08
23 83 13 13-0018	LF		5 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F	15.17	1.08
23 83 13 13-0019	LF		8 Watt, 240 Volt, Self Regulating Low Temperature Heating Cable With TPE Overjacket For Hostile/Corrosive Environments..... Note: Tinned copper braid, at 50 degrees F.	15.45	1.08
23 83 13 13-0020	EA		Power Connection Kit With Pre-set Thermostat For Self Regulating Low Temperature Heating Cable .....	364.87	84.94
23 83 13 13-0021	EA		Splice And Tee Kit For Self Regulating Low Temperature Heating Cable .....	364.87	84.94
23 83 13 13-0022	EA		End Seal Kit For Self Regulating Low Temperature Heating Cable .....	225.87	15.44
23 83 13 13-0023	EA		Ambient Air Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	611.13	38.61
23 83 13 13-0024	EA		Mechanical Or Electrical Line Sensing Thermostat For Self Regulating Low Temperature Heating Cable .....	671.78	38.61

**23 84 Humidity Control Equipment (23 80)**

**23 84 13 Humidifiers (23 84)**

**23 84 13 16 Wetted-Element Humidifiers (23 84 13)**

**23 84 13 16-0001 Electric Steam Humidifiers, Self-Steam Producing (23 84 13 16)**

Note: Electronic modulating duct or air handling unit installation 208V-108V with 12" to 72" manifolds included.

23 84 13 16-0002	EA		1-96 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	13,478.90	622.67
23 84 13 16-0003	EA		20-168 LB/Hour Electric Steam Humidifier, Self-Steam Producing With 12-72" Manifold.....	17,046.57	624.18

**23 84 13 23 Direct-Steam-Injection Humidifiers (23 84 13)**

**23 84 13 23-0001 Steam Type Pneumatically Controlled (23 84 13 23)**

Note: For duct or air handling installation standard unit with integral operator distribution manifold strainer trap and pneumatic modulating valve. Excludes humidistat and piping.

23 84 13 23-0002	EA		3-191 LB/Hour Steam Humidifier, 24" Manifold, Pneumatic Controls .....	2,255.54	398.99
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	696.81	
23 84 13 23-0003	EA		3-191 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	2,255.54	398.99
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	696.81	
23 84 13 23-0004	EA		65-334 LB/Hour Steam Humidifier, 36" Manifold, Pneumatic Controls .....	3,194.21	398.99
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	978.41	
23 84 13 23-0005	EA		65-334 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	3,345.35	498.74
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	1,028.79	
23 84 13 23-0006	EA		100-690 LB/Hour Steam Humidifier, 48" Manifold, Pneumatic Controls .....	4,737.62	398.99
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	1,441.44	
23 84 13 23-0007	EA		100-690 LB/Hour Steam Humidifier, 84" Manifold, Pneumatic Controls .....	4,888.76	498.74
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	1,491.82	
23 84 13 23-0008	EA		220-2,000 LB/Hour Steam Humidifier, 72" Manifold, Pneumatic Controls .....	7,300.35	498.74
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	2,215.29	
23 84 13 23-0009	EA		220-2,000 LB/Hour Steam Humidifier, 144" Manifold, Pneumatic Controls .....	7,489.26	624.18
			<i>For Electrically Controlled Unit, Add</i>	700.00	
			<i>For Each Additional Manifold, Add</i>	2,278.26	

<b>Heating, Ventilating, and Air-Conditioning (HVAC)</b>	<b>23</b>
<b>Decentralized Unitary HVAC Equipment</b>	<b>23 80</b>
<b>Humidity Control Equipment</b>	<b>23 84</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**23 84 13 29 Self-Contained Steam Humidifiers (23 84 13)**

23 84 13 29-0001	Residential Humidifiers (23 84 13 29)		
	Note: Includes solenoid valve and flow through water supply.		
23 84 13 29-0002	EA Duct Or Furnace Mounted Humidifier, Residential Type.....	673.28	75.57

**23 84 16 Mechanical Dehumidification Units (23 84)**

**23 84 16 16 Indoor, Mechanical Dehumidification Units (23 84 16)**

23 84 16 16-0001	Mechanical Dehumidification Units (23 84 16 16)		
	Note: Sized by moisture removal per 24 hours.		
23 84 16 16-0002	EA 65 Pint Per Day, 160 CFM, 8" Duct Connection, Refrigerant Dehumidifier.....	2,380.04	68.61
23 84 16 16-0003	EA 90 Pint Per Day, 235 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier .....	2,993.86	80.04
23 84 16 16-0004	EA 120 Pint Per Day, 350 CFM, 10"/6" Duct Connection, Refrigerant Dehumidifier .....	4,011.65	91.49

**23 84 16 33 Portable Dehumidifiers (23 84 16)**

23 84 16 33-0001	Self Contained Free Standing Unit (23 84 16 33)		
	Note: Sized by moisture removal per 24 hours.		
23 84 16 33-0002	EA 30 Pint/24 Hour Dehumidifier .....	551.81	148.53
23 84 16 33-0003	EA 50 Pint/24 Hour Dehumidifier.....	661.32	148.53
23 84 16 33-0004	EA 70 Pint/24 Hour Dehumidifier.....	727.03	148.53

**END OF SECTION 23**



**23 Heating, Ventilating, and Air-Conditioning (HVAC)**

23 80 Decentralized Unitary HVAC Equipment

23 84 Humidity Control Equipment

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST

## 26 Electrical

Note: Termination costs are included with all electrical equipment, panel boards, fixtures and devices. Terminations are not included with patch panels.

### 26 01 Operation and Maintenance of Electrical Systems <sup>(26)</sup>

#### 26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution <sup>(26 01)</sup>

##### 26 01 10 91 Medium-Voltage Electrical Distribution Restoration <sup>(26 01 10)</sup>

26 01 10 91-0001	Retrofit Distribution Enclosures <sup>(26 01 10 91)</sup> Note: Includes removal of equipment housing, punch or drill hole for window, touch-up area, and reinstallation of equipment housing.		
26 01 10 91-0002	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-2C) .....	547.10	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	113.21	
	For >20 To 50, Add	90.57	
	For >50 To 100, Add	45.28	
26 01 10 91-0003	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-3C) .....	709.40	
	Note: 2mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	153.78	
	For >20 To 50, Add	123.03	
	For >50 To 100, Add	61.51	
26 01 10 91-0004	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Flir IRW-4C) .....	1,066.47	
	Note: 4mm thick, aluminum frame, hinged cover.		
	For Up To 20, Add	243.05	
	For >20 To 50, Add	194.44	
	For >50 To 100, Add	97.22	
26 01 10 91-0005	EA 2" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-2) .....	545.33	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	112.77	
	For >20 To 50, Add	90.21	
	For >50 To 100, Add	45.11	
26 01 10 91-0006	EA 3" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-3) .....	696.18	
	Note: 2mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	150.48	
	For >20 To 50, Add	120.38	
	For >50 To 100, Add	60.19	
26 01 10 91-0007	EA 4" Infrared Window Installed In Medium Voltage Equipment, NEMA Type 3/12 Rated (Fluke CLKT-4) .....	1,037.12	
	Note: 4mm thick, aluminum frame, twist cover.		
	For Up To 20, Add	235.71	
	For >20 To 50, Add	188.57	
	For >50 To 100, Add	94.29	
26 01 10 91-0008	EA 2" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPRF) .....	430.24	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	83.99	
	For >20 To 50, Add	67.19	
	For >50 To 100, Add	33.60	
26 01 10 91-0009	EA 3" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPRF) .....	605.53	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	127.82	
	For >20 To 50, Add	102.25	
	For >50 To 100, Add	51.13	
26 01 10 91-0010	EA 4" Infrared Window Pane Installed In Medium Voltage Equipment, NEMA Type 4 Rated (Schneider Electric VPRF) .....	861.16	
	Note: 0.25mm thick, composite frame, metal grille reinforced polymer.		
	For Up To 20, Add	191.72	
	For >20 To 50, Add	153.38	
	For >50 To 100, Add	76.69	
26 01 10 91-0011	EA 2" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	785.31	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	172.76	
	For >20 To 50, Add	138.21	
	For >50 To 100, Add	69.10	
26 01 10 91-0012	EA 3" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,078.58	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	246.08	
	For >20 To 50, Add	196.86	
	For >50 To 100, Add	98.43	
26 01 10 91-0013	EA 4" Infrared Window Installed In Medium Voltage Equipment, Longwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	1,974.31	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	470.01	
	For >20 To 50, Add	376.01	
	For >50 To 100, Add	188.00	
26 01 10 91-0014	EA 3" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR) .....	901.87	
	Note: 4mm thick, aluminum frame, magnetic cover.		
	For Up To 20, Add	201.90	
	For >20 To 50, Add	161.52	
	For >50 To 100, Add	80.76	

**26 Electrical**

**26 01 Operation and Maintenance of Electrical Systems**

**26 01 10 Operation and Maintenance of Medium-Voltage Electrical Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01	10 91-0015	EA	4" Infrared Window Installed In Medium Voltage Equipment, Shortwave, NEMA Type 4 Rated (Schneider Electric IRHVIR).....	1,326.51	
			Note: 4mm thick, aluminum frame, magnetic cover.		
			For Up To 20, Add	308.06	
			For >20 To 50, Add	246.45	
			For >50 To 100, Add	123.22	

**26 01 20 Operation and Maintenance of Low-Voltage Electrical Distribution** (26 01)

**26 01 20 91 Low-Voltage Electrical Distribution Restoration** (26 01 20)

26 01	20 91-0001		Lock Out/Tag Out Devices <small>(26 01 20 91)</small>		
			Note: Includes following OSHA procedures and completing Owner's paperwork. Excludes circuit tracing.		
26 01	20 91-0002	EA	Lock Out/Tag Out Local Disconnect .....	55.60	
			Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01	20 91-0003	EA	Lock Out/Tag Out Breaker Or Motor Starter .....	55.60	
			Note: Excludes tag or padlock See CSI section 26 01 20 91-0004 for padlock, 26 01 20 91-0005 for tag(s).		
26 01	20 91-0004	EA	Lock Out Padlock Device .....	15.44	
			Note: Includes the installation and removal of pad lock when required		
26 01	20 91-0005	EA	Lock Out Tags .....	5.67	
			Note: Includes filling out tag information, installation and removal of identifying tags.		
26 01	20 91-0006		Existing Circuit Tracing <small>(26 01 20 91)</small>		
26 01	20 91-0007	EA	Motors, Disconnects And Other Single Source Devices, Existing Circuit Tracing Per Device .....	32.11	
26 01	20 91-0008	EA	Lighting, Existing Circuit Tracing Per Circuit .....	32.11	

**26 01 50 Operation and Maintenance of Lighting** (26 01)

**26 01 50 51 Luminaire Relamping** (26 01 50)

26 01	50 51-0001		Replace Lamps In Existing Fixtures <small>(26 01 50 51)</small>		
			Note: Includes removal of existing lamp from fixture and installation of new lamp. Excludes disposal of hazardous lamps. See CSI section 26 01 50 51-0375 for disposal of hazardous lamps.		
26 01	50 51-0002		Halogen Lamps <small>(26 01 50 51-0001)</small>		
26 01	50 51-0003	EA	300 Watt, T3, Tungsten Halogen Lamp .....	48.48	
26 01	50 51-0004	EA	500 Watt, T3, Tungsten Halogen Lamp .....	64.06	
26 01	50 51-0005	EA	1,000 Watt, T3, Tungsten Halogen Lamp .....	97.80	
26 01	50 51-0006	EA	90 Watt, PAR38, Halogen Lamp .....	19.28	
26 01	50 51-0007	EA	100 Watt, PAR38, Halogen Lamp .....	19.28	
26 01	50 51-0008	EA	60 Watt, PAR38, Halogen IR Reflective Lamp .....	31.56	
26 01	50 51-0009	EA	67 Watt, PAR38, Halogen IR Reflective Lamp .....	35.29	
26 01	50 51-0010	EA	70 Watt, PAR38, Halogen IR Reflective Lamp .....	34.33	
26 01	50 51-0011	EA	90 Watt, PAR38, Halogen IR Reflective Lamp .....	37.18	
26 01	50 51-0012	EA	100 Watt, PAR38, Halogen IR Reflective Lamp .....	37.78	
26 01	50 51-0013		Incandescent Lamps <small>(26 01 50 51-0001)</small>		
26 01	50 51-0014	EA	100 Watt, Frosted, Interior Incandescent Lamp .....	4.55	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.22	
26 01	50 51-0015	EA	150 Watt, Frosted, Interior Incandescent Lamp .....	6.31	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.22	
26 01	50 51-0016	EA	200 Watt, Frosted, Interior Incandescent Lamp .....	8.28	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.22	
26 01	50 51-0017	EA	300 Watt, PS25, Interior Incandescent Lamp .....	10.77	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.22	
26 01	50 51-0018	EA	60 Watt, G25, Clear, Interior Incandescent Lamp .....	7.42	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.22	
26 01	50 51-0019	EA	75 Watt, R20, Interior Incandescent Lamp .....	12.76	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.47	
26 01	50 51-0020	EA	75 Watt, PAR38, Exterior Incandescent Lamp .....	16.24	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.47	
26 01	50 51-0021	EA	100 Watt, PAR38, Exterior Incandescent Lamp .....	14.85	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.47	
26 01	50 51-0022	EA	150 Watt, PAR38, Exterior Incandescent Lamp .....	28.05	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.47	
26 01	50 51-0023	EA	250 Watt, PAR38, Exterior Incandescent Lamp .....	60.77	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.71	
26 01	50 51-0024	EA	300 Watt, PAR56, Exterior Incandescent Lamp .....	70.46	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-1.71	
26 01	50 51-0025		Exit Light Lamps <small>(26 01 50 51-0001)</small>		
26 01	50 51-0026	EA	Convert Exit Light Lamps To Red LED Lamps .....	80.40	
			For Green LED Lamps, Add	25.00	
26 01	50 51-0027	EA	Fluorescent Lamp For Exit Light .....	23.53	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-4.88	
26 01	50 51-0028	EA	Lamp Replacement For Emergency Lights On Exit Sign .....	39.00	
			For Removal Of Multiple Lamps In A Fixture, Deduct	-2.44	
26 01	50 51-0029		Fluorescent Lamps <small>(26 01 50 51-0001)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0030	EA		18", 15 Watt, T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	9.04 -1.95	
26 01 50 51-0031	EA		2', 17 Watt, T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	11.75 -1.95	
26 01 50 51-0032	EA		3', 25 Watt, T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	13.60 -2.19	
26 01 50 51-0033	EA		4', 32 Watt, T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	13.43 -2.19	
26 01 50 51-0034	EA		4', 30 Watt, T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	18.26 -2.19	
26 01 50 51-0035	EA		4', 28 Watt, T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	15.42 -2.19	
26 01 50 51-0036	EA		4', 25 Watt, T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	15.31 -2.19	
26 01 50 51-0037	EA		4', 44 Watt, T8HO Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	27.55 -2.19	
26 01 50 51-0038	EA		8', 59 Watt, T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	19.86 -2.19	
26 01 50 51-0039	EA		18", 15 Watt, T12 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	15.86 -1.95	
26 01 50 51-0040	EA		2', 20 Watt, T12 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	10.97 -1.95	
26 01 50 51-0041	EA		3', 30 Watt, T12 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	12.31 -2.19	
26 01 50 51-0042	EA		4', 34 Watt, T12 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	12.40 -2.19	
26 01 50 51-0043	EA		4', 40 Watt, T12 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	12.05 -2.19	
26 01 50 51-0044	EA		8', 60 Watt, T12 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	20.49 -2.19	
26 01 50 51-0045	EA		8', 75 Watt, T12 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	16.55 -2.19	
26 01 50 51-0046	EA		6" Diameter, 20 Watt, Circular T9 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	16.10 -1.95	
26 01 50 51-0047	EA		8" Diameter, 22 Watt, Circular T9 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	12.48 -1.95	
26 01 50 51-0048	EA		12" Diameter, 32 Watt, Circular T9 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	11.93 -1.95	
26 01 50 51-0049	EA		16" Diameter, 40 Watt, Circular T9 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	13.66 -1.95	
26 01 50 51-0050	EA		6", 4 Watt, T5 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	10.51 -1.95	
26 01 50 51-0051	EA		9", 6 Watt, T5 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	10.26 -1.95	
26 01 50 51-0052	EA		12", 8 Watt, T5 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	10.73 -1.95	
26 01 50 51-0053	EA		21", 13 Watt, T5 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	11.42 -1.95	
26 01 50 51-0054	EA		24", 14 Watt, T5 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	13.82 -1.95	
26 01 50 51-0055	EA		34", 21 Watt, T5 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	14.87 -2.19	
26 01 50 51-0056	EA		46", 28 Watt, T5 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	14.25 -2.19	
26 01 50 51-0057	EA		46", 54 Watt, T5HO Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	16.04 -2.19	
26 01 50 51-0058	EA		5-13 Watt, 2-Pin Compact Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	9.03 -1.22	
26 01 50 51-0059	EA		9-26 Watt, 4-Pin Compact Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	10.27 -1.22	
26 01 50 51-0060	EA		27-55 Watt, 4-Pin Compact Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	23.98 -1.22	
26 01 50 51-0061	EA		32 Watt, Rapid Start, U-Shaped T8 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	24.32 -2.44	
26 01 50 51-0062	EA		40 Watt, Rapid Start, U-Shaped T12 Fluorescent Lamp ..... <i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	23.26 -2.44	
26 01 50 51-0063	EA		<9 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	9.42	
26 01 50 51-0064	EA		9 To 27 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	7.77	
26 01 50 51-0065	EA		29 To 32 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	8.28	
26 01 50 51-0066	EA		33 To 42 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	42.48	
26 01 50 51-0067	EA		43 To 65 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	46.58	
26 01 50 51-0068	EA		85 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	91.14	
26 01 50 51-0069	EA		105 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	109.71	
26 01 50 51-0070	EA		200 Watt, Screw-In, Spiral Compact Fluorescent Lamps .....	113.48	
26 01 50 51-0071	EA		11 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	38.91	
26 01 50 51-0072	EA		15 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	40.73	
26 01 50 51-0073	EA		20 To 28 Watt, Screw-In, Compact Fluorescent Reflector Lamps .....	47.53	
<b>26 01 50 51-0074</b>			<b>Mercury Vapor Lamps</b> (26 01 50 51-0001)		
26 01 50 51-0075	EA		100 Watt, Mercury Vapor Lamp .....	41.18	
26 01 50 51-0076	EA		175 Watt, Mercury Vapor Lamp .....	36.43	
26 01 50 51-0077	EA		250 Watt, Mercury Vapor Lamp .....	34.07	
26 01 50 51-0078	EA		400 Watt, Mercury Vapor Lamp .....	44.11	
26 01 50 51-0079	EA		1,000 Watt, Mercury Vapor Lamp .....	84.49	
<b>26 01 50 51-0080</b>			<b>Metal Halide Lamps</b> (26 01 50 51-0001)		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 01 50 51-0081	EA	50 Watt, Pulse Start Metal Halide Lamp .....	42.17
26 01 50 51-0082	EA	70 Watt, Pulse Start Metal Halide Lamp .....	39.95
26 01 50 51-0083	EA	100 Watt, Pulse Start Metal Halide Lamp .....	46.96
26 01 50 51-0084	EA	150 Watt, Pulse Start Metal Halide Lamp .....	45.37
26 01 50 51-0085	EA	175 Watt, Pulse Start Metal Halide Lamp .....	44.91
26 01 50 51-0086	EA	250 Watt, Pulse Start Metal Halide Lamp .....	45.22
26 01 50 51-0087	EA	400 Watt, Pulse Start Metal Halide Lamp .....	56.38
26 01 50 51-0088	EA	1,000 Watt, Pulse Start Metal Halide Lamp .....	67.09
26 01 50 51-0089	EA	1,500 Watt, Pulse Start Metal Halide Lamp .....	66.65

**26 01 50 51-0090 High Pressure Sodium Lamps** (26 01 50 51-0001)

26 01 50 51-0091	EA	35 Watt, High Pressure Sodium Lamp .....	33.14
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>1.87</i>
26 01 50 51-0092	EA	50 Watt, High Pressure Sodium Lamp .....	33.14
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>1.87</i>
26 01 50 51-0093	EA	70 Watt, High Pressure Sodium Lamp .....	34.09
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>1.87</i>
26 01 50 51-0094	EA	100 Watt, High Pressure Sodium Lamp .....	35.91
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>1.87</i>
26 01 50 51-0095	EA	150 Watt, High Pressure Sodium Lamp .....	34.09
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>1.87</i>
26 01 50 51-0096	EA	250 Watt, High Pressure Sodium Lamp .....	34.09
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>1.87</i>
26 01 50 51-0097	EA	400 Watt, High Pressure Sodium Lamp .....	31.38
		<i>For Enclosed And Gasket Light Fixtures, Add</i>	<i>1.87</i>
26 01 50 51-0098	EA	1,000 Watt, High Pressure Sodium Lamp .....	83.58

**26 01 50 51-0099 Low Pressure Sodium Lamps** (26 01 50 51-0001)

26 01 50 51-0100	EA	35 Watt, Low Pressure Sodium Lamp .....	98.90
26 01 50 51-0101	EA	55 Watt, Low Pressure Sodium Lamp .....	111.46
26 01 50 51-0102	EA	70 Watt, Low Pressure Sodium Lamp .....	114.29
26 01 50 51-0103	EA	90 Watt, Low Pressure Sodium Lamp .....	117.12
26 01 50 51-0104	EA	135 Watt, Low Pressure Sodium Lamp .....	128.43
26 01 50 51-0105	EA	180 Watt, Low Pressure Sodium Lamp .....	179.35

**26 01 50 51-0106 LED Lamps** (26 01 50 51-0001)**26 01 50 51-0107 LED Lamps, Candelabra Base, CA10** (26 01 50 51-0106)

26 01 50 51-0108	EA	3 Watt (25 Watt Incandescent Equivalent), Candelabra Base, CA10, Dimmable LED Lamp (Energy Star) .....	16.76
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**26 01 50 51-0109 LED Lamps, Medium Base, A19 Or A21** (26 01 50 51-0106)

26 01 50 51-0110	EA	6 Watt (40 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	24.12
26 01 50 51-0111	EA	11 Watt (60 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	24.12
26 01 50 51-0112	EA	14 Watt (75 Watt Incandescent Equivalent), Medium Base, A19, Dimmable LED Lamp (Energy Star) .....	43.88
26 01 50 51-0113	EA	17 Watt (75 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....	29.11
26 01 50 51-0114	EA	18 Watt (100 Watt Incandescent Equivalent), Medium Base, A21, Dimmable LED Lamp (Energy Star) .....	56.23

**26 01 50 51-0115 LED Lamps, Medium Base, BR30 Or BR40** (26 01 50 51-0106)

26 01 50 51-0116	EA	9.5 Watt (65 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) .....	31.79
26 01 50 51-0117	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR30, Dimmable LED Lamp (Energy Star) .....	27.62
26 01 50 51-0118	EA	11 Watt (65 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....	38.71
26 01 50 51-0119	EA	14.5 Watt (75 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....	31.32
26 01 50 51-0120	EA	14 Watt (85 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....	43.64
26 01 50 51-0121	EA	18 Watt (90 Watt Incandescent Equivalent), Medium Base, BR40, Dimmable LED Lamp (Energy Star) .....	31.32

**26 01 50 51-0122 LED Lamps, Medium Base, PAR** (26 01 50 51-0106)

26 01 50 51-0123	EA	7 Watt (45 Watt Halogen Equivalent), Medium Base, PAR20, Dimmable LED Lamp (Energy Star) .....	35.74
26 01 50 51-0124	EA	12 Watt (60 Watt Halogen Equivalent), Medium Base, Short Neck Par30, Dimmable LED Lamp (Energy Star) .....	51.08
26 01 50 51-0125	EA	16.3 Watt (65 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star) .....	51.08
26 01 50 51-0126	EA	15.6 Watt (70 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star) .....	48.61
26 01 50 51-0127	EA	12 Watt (50 Watt Halogen Equivalent), Medium Base, Short Neck PAR30, Dimmable LED Lamp (Energy Star) .....	46.14
26 01 50 51-0128	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) .....	46.14
26 01 50 51-0129	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, Long Neck PAR30, Dimmable LED Lamp (Energy Star) .....	96.02
26 01 50 51-0130	EA	15 Watt (75 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	51.08
26 01 50 51-0131	EA	18 Watt (90 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	48.61
26 01 50 51-0132	EA	19 Watt (120 Watt Halogen Equivalent), Medium Base, Par38, Dimmable LED Lamp (Energy Star) .....	51.08
26 01 50 51-0133	EA	24 Watt (120 Watt Halogen Equivalent), Medium Base, PAR38, Dimmable LED Lamp (Energy Star) .....	51.08

**26 01 50 51-0134 LED Lamps, GU Base, MR16** (26 01 50 51-0106)

26 01 50 51-0135	EA	4 Watt (20 Watt Halogen Equivalent), GU5.3 Base, MR16, LED Lamp (Energy Star) .....	22.68
26 01 50 51-0136	EA	6 Watt (30 Watt Halogen Equivalent), GU10 Base, MR16, Dimmable LED Lamp (Energy Star) .....	31.79
26 01 50 51-0137	EA	8 Watt (50 Watt Halogen Equivalent), GU5.3 Base, MR16, Dimmable LED Lamp (Energy Star) .....	35.74

**26 01 50 51-0138 LED Lamps, PL Series** (26 01 50 51-0106)

26 01 50 51-0139	EA	3.5 Watt, 2-Pin CFL G23 Base, Hybrid Lamp (GreenCreative PLS 3.5 HYB G23) .....	18.02
26 01 50 51-0140	EA	26 Watt, 2700K CCT, PL EDGE DIRect Series (Green Creative 9.5PLH/827/DIR) .....	24.38



MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 51-0141	EA 26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/830/DIR).....	21.38	
26 01 50 51-0142	EA 26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/835/DIR).....	23.26	
26 01 50 51-0143	EA 26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 9.5PLH/840/DIR).....	23.26	
26 01 50 51-0144	EA 26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 10.5PLH/930/DIR).....	26.63	
26 01 50 51-0145	EA 13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/827/DIR).....	23.26	
26 01 50 51-0146	EA 13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/830/DIR).....	23.26	
26 01 50 51-0147	EA 13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/835/DIR).....	23.26	
26 01 50 51-0148	EA 13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 5.5PLH/840/DIR).....	23.26	
26 01 50 51-0149	EA 26 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 10PLV/827/DIR).....	25.51	
26 01 50 51-0150	EA 26 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/830/DIR).....	25.51	
26 01 50 51-0151	EA 26 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 10PLV/835/DIR).....	25.51	
26 01 50 51-0152	EA 26 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 10PLV/840/DIR).....	25.51	
26 01 50 51-0153	EA 26 Watt, 3000K CCT, High CRI, PL EDGE DiRect Series (Green Creative 11PLV/930/DIR).....	24.38	
26 01 50 51-0154	EA 13-18 Watt, 2700K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/827/DIR).....	24.38	
26 01 50 51-0155	EA 13-18 Watt, 3000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/830/DIR).....	24.38	
26 01 50 51-0156	EA 13-18 Watt, 3500K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/835/DIR).....	25.13	
26 01 50 51-0157	EA 13-18 Watt, 4000K CCT, PL EDGE DiRect Series (Green Creative 6.5PLV/840/DIR).....	25.13	
26 01 50 51-0158	EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/827/BYP).....	25.30	
26 01 50 51-0159	EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/830/BYP).....	25.30	
26 01 50 51-0160	EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/835/BYP).....	25.30	
26 01 50 51-0161	EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 10.5PLH/840/BYP).....	25.30	
26 01 50 51-0162	EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP).....	25.88	
26 01 50 51-0163	EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP).....	25.88	
26 01 50 51-0164	EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/E26).....	25.88	
26 01 50 51-0165	EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/E26).....	25.88	
26 01 50 51-0166	EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/E26).....	25.88	
26 01 50 51-0167	EA 13 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/830/BYP/GU24).....	25.88	
26 01 50 51-0168	EA 13 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 6PLH/835/BYP/GU24).....	25.88	
26 01 50 51-0169	EA 13 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 6PLH/840/BYP/GU24).....	25.88	
26 01 50 51-0170	EA 26 Watt, 2700K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/827/BYP).....	31.74	
26 01 50 51-0171	EA 26 Watt, 3000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/830/BYP).....	31.74	
26 01 50 51-0172	EA 26 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/835/BYP).....	31.74	
26 01 50 51-0173	EA 26 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 11.5PLV/840/BYP).....	30.39	
26 01 50 51-0174	EA 13-18 Watt, 3500K CCT, PL EDGE BYPass Series (Green Creative 7PLV/835/BYP).....	30.39	
26 01 50 51-0175	EA 13-18 Watt, 4000K CCT, PL EDGE BYPass Series (Green Creative 7PLV/840/BYP).....	30.39	
26 01 50 51-0176	EA 4 Pin, 6 Watt, 560 Lumens 4000K CCT, Horizontal Mount LED PL Lamp (Green Creative 57898).....	23.84	

**26 01 50 51-0177** **HID LED Lamps, Medium Base E26** (26 01 50 51-0106)

26 01 50 51-0178	EA 27 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/840/277V/E26).....	56.26	
26 01 50 51-0179	EA 27 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 27HID/850/277V/E26).....	56.26	
26 01 50 51-0180	EA 45 Watt, 4000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/840/277V/E26).....	70.12	
26 01 50 51-0181	EA 45 Watt, 5000K CCT, Medium Base E26, LED Lamp (Green Creative 45HID/850/277V/E26).....	70.12	
26 01 50 51-0182	EA 10 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-3026).....	53.20	
26 01 50 51-0183	EA 10 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-4026).....	53.20	
26 01 50 51-0184	EA 10 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-5026).....	53.20	
26 01 50 51-0185	EA 10 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED10-6026).....	53.20	
26 01 50 51-0186	EA 15 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-3026).....	54.70	
26 01 50 51-0187	EA 15 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-4026).....	54.70	
26 01 50 51-0188	EA 15 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-5026).....	54.70	
26 01 50 51-0189	EA 15 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED15-6026).....	54.70	
26 01 50 51-0190	EA 20 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-3026).....	60.70	
26 01 50 51-0191	EA 20 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-4026).....	60.70	
26 01 50 51-0192	EA 20 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-5026).....	60.70	
26 01 50 51-0193	EA 20 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED20-6026).....	60.70	
26 01 50 51-0194	EA 25 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-3026).....	68.20	
26 01 50 51-0195	EA 25 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-4026).....	68.20	
26 01 50 51-0196	EA 25 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-5026).....	68.20	
26 01 50 51-0197	EA 25 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED25-6026).....	68.20	
26 01 50 51-0198	EA 30 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-3026).....	84.69	
26 01 50 51-0199	EA 30 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-4026).....	84.69	
26 01 50 51-0200	EA 30 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-5026).....	84.69	
26 01 50 51-0201	EA 30 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED30-6026).....	84.69	
26 01 50 51-0202	EA 40 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-3026).....	98.94	
26 01 50 51-0203	EA 40 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-4026).....	98.94	
26 01 50 51-0204	EA 40 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-5026).....	98.94	
26 01 50 51-0205	EA 40 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED40-6026).....	98.94	
26 01 50 51-0206	EA 60 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-3026).....	108.69	
26 01 50 51-0207	EA 60 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-4026).....	108.69	
26 01 50 51-0208	EA 60 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-5026).....	108.69	
26 01 50 51-0209	EA 60 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED60-6026).....	108.69	
26 01 50 51-0210	EA 80 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-3026).....	143.93	
26 01 50 51-0211	EA 80 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-4026).....	143.93	
26 01 50 51-0212	EA 80 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-5026).....	143.93	
26 01 50 51-0213	EA 80 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED80-6026).....	143.93	
26 01 50 51-0214	EA 100 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-3026).....	148.43	
26 01 50 51-0215	EA 100 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-4026).....	148.43	
26 01 50 51-0216	EA 100 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-5026).....	148.43	
26 01 50 51-0217	EA 100 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED100-6026).....	148.43	
26 01 50 51-0218	EA 120 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-3026).....	174.67	
26 01 50 51-0219	EA 120 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-4026).....	174.67	
26 01 50 51-0220	EA 120 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-5026).....	174.67	
26 01 50 51-0221	EA 120 Watt, 6000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED120-6026).....	174.67	
26 01 50 51-0222	EA 150 Watt, 3000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-3026).....	206.16	
26 01 50 51-0223	EA 150 Watt, 4000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-4026).....	206.16	

26 Electrical
26 01 Operation and Maintenance of Electrical Systems
26 01 50 Operation and Maintenance of Lighting

Table with 4 columns: MINOR, CSI, UOM, DESCRIPTION, TOTAL DIRECT UNIT COST, DEMOLITION UNIT COST

Main table listing various lighting fixtures such as 150 Watt, 5000K CCT, Medium Base E26, LED Omnidirectional Street Lamp (Bergen industries LED150-5026) with associated costs.

26 01 50 51-0260 HID LED Lamps, Mogul Base E39 Or EX39 (26 01 50 51-0106)

Table listing HID LED lamps such as 120 Watt, 2700K CCT, Mogul Base EX39, HID LED Lamp (Green Creative 120HID/827/277V/EX39) with associated costs.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 51-0306	EA		45 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EIKO industries LED45WPT40KMOG-G7 ).....	70.42	
26 01 50 51-0307	EA		45 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EIKO industries LED45WPT50KMOG-G7 ).....	70.42	
26 01 50 51-0308	EA		54 Watt, 4000K CCT, Mogul Base E39, LED Lamp (EIKO industries LED54WPT40KMOG-G7 ).....	77.35	
26 01 50 51-0309	EA		54 Watt, 5000K CCT, Mogul Base E39, LED Lamp (EIKO industries LED54WPT50KMOG-G7 ).....	77.35	
26 01 50 51-0310	EA		65 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-65W8-55K-E39).....	135.74	
26 01 50 51-0311	EA		80 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-80W8-55K-E39).....	156.29	
26 01 50 51-0312	EA		100 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-100W8-55K-E39).....	185.53	
26 01 50 51-0313	EA		120 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-120W8-55K-E39).....	357.73	
26 01 50 51-0314	EA		150 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-150W8-55K-E39).....	338.06	
26 01 50 51-0315	EA		200 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-200W8-55K-E39).....	357.73	
26 01 50 51-0316	EA		250 Watt, 5500K CCT, Mogul Base E39, LED Lamp (Olympic CL-250W8-55K-E39).....	359.26	
26 01 50 51-0317	EA		24 Watt, 3000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M30-A).....	58.44	
26 01 50 51-0318	EA		24 Watt, 4000K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M40-A).....	58.44	
26 01 50 51-0319	EA		24 Watt, 5700K CCT, Mogul Base E39, LED Lamp (Light Efficient Design LED-8029M57-A).....	58.44	
26 01 50 51-0320	EA		100 Watt, Mogul Base E39, LED Area Lamp (MaxLite AR100LED50).....	167.10	
26 01 50 51-0321	EA		115 Watt, 4000K CCT, Mogul Base EX39, HID LED Lamp (Keystone KT-LED115HID-V-EX39-840-D).....	422.41	
26 01 50 51-0322	EA		40 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Arc-Cob Lamp (HYLITE HL-AC-40W-E39-50K).....	184.63	
26 01 50 51-0323	EA		100 Watt, 480 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-100W-E39-50K).....	216.63	
26 01 50 51-0324	EA		45 Watt, 120-277 Volt, 5000K CCT, E39 Base, LED Omni-Cob Lamp (HYLITE HL-OC-45W-E39-50K).....	98.27	
26 01 50 51-0325	EA		40 Watt, 5680 Lumens, Mogul Base E39, LED Directional Flood Lamp (HYLITE HL-IDL-40W-E39-50K).....	296.71	
<b>26 01 50 51-0326</b>			<b>LED Lamps, 2G11 Base (26 01 50 51-0106)</b>		
26 01 50 51-0327	EA		19 Watt, 1550 Lumens, 3500K CCT, 2G11 Base, Dimmable LED Lamp (Green Creative 14.5PLL/835/DIR).....	46.05	
<b>26 01 50 51-0328</b>			<b>LED Lamps, GX23 Or G23 Base (26 01 50 51-0106)</b>		
26 01 50 51-0329	EA		5 Watt, 580 Lumens, 2 Pin GX23 Base, Dimmable LED Lamp (Lunera HN-H-GX23-U-5W-840-G4).....	21.08	
<b>26 01 50 51-0330</b>			<b>LED Lamps, G24 Base (26 01 50 51-0106)</b>		
26 01 50 51-0331	EA		5.5 Watt, 500 Lumens, G24 Base, LED Lamp (Green Creative 5.5PLH/835/DIR/R).....	28.32	
<b>26 01 50 51-0332</b>			<b>LED Tubes (Fluorescent Lamp Replacement) (26 01 50 51-0106)</b>		
26 01 50 51-0333	EA		2', 1,250 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24IN-4000K).....	38.96	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.95	
26 01 50 51-0334	EA		2', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-24INU-4000K).....	51.97	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.95	
26 01 50 51-0335	EA		3', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-36IN-4000K).....	42.05	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.08	
26 01 50 51-0336	EA		4', 1,900 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2-T8-48IN-4000K).....	46.21	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.19	
26 01 50 51-0337	EA		4', 2,200 Lumens, 4000K CCT, LED Tube (T8 Fluorescent Lamp Replacement) (Remphos RPT-TOTALTUBEG2HO-T8-48IN-4000K).....	51.08	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.19	
26 01 50 51-0338	EA		4', 2,539 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02018TBN).....	30.34	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.19	
26 01 50 51-0339	EA		2', 1,348 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Carson Technology CT-D02010TBN).....	29.60	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.95	
26 01 50 51-0340	EA		2', 1,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED9T8/L24/FG/835/BF).....	26.58	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-1.95	
26 01 50 51-0341	EA		3', 1,650 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED12T8/L36/FG/835/BF).....	26.86	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.08	
26 01 50 51-0342	EA		4', 1,700 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED14T8/L48/FG/835/BF).....	26.59	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.19	
26 01 50 51-0343	EA		4', 2,100 Lumens, LED Tube (T8 Fluorescent Lamp Replacement) (Sylvania LED17T8/L48/FG/835/BF).....	27.74	
			<i>For Removal Of Multiple Lamps In A Fixture, Deduct</i>	-2.19	
<b>26 01 50 51-0344</b>			<b>Filament LED Lamps (26 01 50 51-0106)</b>		
26 01 50 51-0345	EA		7.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 7.5FA19DIM/827 ).....	14.93	
26 01 50 51-0346	EA		4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5A19DIM/827/R ).....	14.93	
26 01 50 51-0347	EA		4.5 Watt, 2700K CCT, Clear A19 Filament LED Lamp (Green Creative 4.5FA19DIM/827).....	14.18	
26 01 50 51-0348	EA		4.5 Watt, 2400 CCT, Amber A19 Filament LED Lamp (Green Creative 4.5FA19DIM/824/A).....	14.18	
26 01 50 51-0349	EA		4.5 Watt, 2700K CCT, Clear G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/827).....	15.38	
26 01 50 51-0350	EA		4.5 Watt, 2400 CCT, Amber G25 Globe Filament LED Lamp (Green Creative 4.5FG25DIM/824/A).....	15.38	
26 01 50 51-0351	EA		3.5 Watt, 2700K CCT, Clear B10 Candle Filament LED Lamp (Green Creative 3.5FB10DIM/827).....	12.68	
26 01 50 51-0352	EA		3.5 Watt, 2700K CCT, Clear B11 Candle Filament LED Lamp (Green Creative 3.5FB11DIM/827/E26).....	12.68	
26 01 50 51-0353	EA		3.5 Watt, 2400 CCT, Amber B10 Candle Filament LED Lamp (Green Creative 3.5FBA10DIM/824/FT/A).....	13.13	
26 01 50 51-0354	EA		3.5 Watt, 2400 CCT, Amber ST19 Filament LED Lamp (Green Creative 5FST19DIM/824/A).....	16.43	
26 01 50 51-0355	EA		4.5 Watt, 120 Volt 450 Lumens ULTRA LED Filament Lamp (Sylvania 79521).....	20.34	
<b>26 01 50 51-0356</b>			<b>Other Lamps (26 01 50 51-0106)</b>		
26 01 50 51-0357	EA		8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 8A19/END/2700 DIM 6/1).....	14.06	
26 01 50 51-0358	EA		8 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 7A19/2700 DIM).....	14.06	
26 01 50 51-0359	EA		11 Watt, Medium Base, A19, A-Shape Dimmable LED Lamp (Philips 11A19/2700 DIM).....	14.06	
26 01 50 51-0360	EA		12 Watt, Medium Base, Dimmable BR40 LED Lamp (Philips 12BR40/F90 2700 DIM AF 6/1).....	14.81	
26 01 50 51-0361	EA		13 Watt, Medium Base, Dimmable PAR38 LED Single Optic Lamp (Philips 13PAR38/S15 4000 DIM AF SO 6/1).....	14.81	
26 01 50 51-0362	EA		8 Watt, Medium Base, Dimmable PAR20 LED Lamp (Philips 8PAR20/END/F36 3000 DIM 6/1).....	14.81	



**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 01 50 51-0363		<b>LED Lamps, Light Engines, Round, LER Series</b> (26 01 50 51-0106)			
26 01 50 51-0364	EA	5.5" Diameter, 17 Watt, 3000K CCT, Round LED Light Engine (Maxlite LER5.5A1730).....	48.28		
26 01 50 51-0365	EA	9 Watt, 120 Volt, 800 Lumens, 2700K, Omnidirectional Ultra LED A-line Lamp (Sylvania LED9A19/DIM/O/827/U).....	37.13		
26 01 50 51-0366		<b>Remove Hazardous Lamps From Fixture For Recycling</b> (26 01 50 51)			
Note: Excludes containers, shipping costs and recycling fees. See CSI section 26 01 50 51-0375 for recycling hazardous lamps.					
26 01 50 51-0367	EA	Removal Of 2' Length Linear Fluorescent Lamps.....	2.59		
For Removal Of Multiple Lamps In A Fixture, Deduct			-0.85		
26 01 50 51-0368	EA	Removal Of 3' Length Linear Fluorescent Lamps.....	2.96		
For Removal Of Multiple Lamps In A Fixture, Deduct			-0.98		
26 01 50 51-0369	EA	Removal Of 4' Length Linear Fluorescent Lamps.....	3.33		
For Removal Of Multiple Lamps In A Fixture, Deduct			-1.10		
26 01 50 51-0370	EA	Removal Of 6' Length Linear Fluorescent Lamps.....	3.70		
For Removal Of Multiple Lamps In A Fixture, Deduct			-1.22		
26 01 50 51-0371	EA	Removal Of 8' Length Linear Fluorescent Lamps.....	4.06		
For Removal Of Multiple Lamps In A Fixture, Deduct			-1.34		
26 01 50 51-0372	EA	Removal Of Compact Fluorescent Lamps.....	2.21		
For >25 To 40, Deduct			-0.22		
For >40, Deduct			-0.44		
26 01 50 51-0373	EA	Removal Of U-Shaped Or Circular Fluorescent Lamps.....	3.52		
For >25 To 40, Deduct			-0.35		
For >40, Deduct			-0.70		
26 01 50 51-0374	EA	Removal Of High Intensity Discharge (HID) Or Metal Halide Lamps.....	6.29		
For >25 To 40, Deduct			-0.63		
For >40, Deduct			-1.26		
26 01 50 51-0375		<b>Recycle Hazardous Lamps</b> (26 01 50 51)			
Note: Includes containers, shipping costs and recycling fees. Excludes lamp removal. See CSI section 26 01 50 51-0001 for removal of lamps from fixtures.					
26 01 50 51-0376	EA	Recycle 2' Length Linear Fluorescent Lamps.....	1.77		
26 01 50 51-0377	EA	Recycle 3' Length Linear Fluorescent Lamps.....	2.27		
26 01 50 51-0378	EA	Recycle 4' Length Linear Fluorescent Lamps.....	2.76		
26 01 50 51-0379	EA	Recycle 6' Length Linear Fluorescent Lamps.....	3.91		
26 01 50 51-0380	EA	Recycle 8' Length Linear Fluorescent Lamps.....	4.90		
26 01 50 51-0381	EA	Recycle Compact Fluorescent Lamps.....	4.52		
26 01 50 51-0382	EA	Recycle U-Shaped Or Circular Fluorescent Lamps.....	4.52		
26 01 50 51-0383	EA	Recycle High Intensity Discharge (HID) Lamps.....	7.14		
26 01 50 52		<b>Ballasts Replacement</b> (26 01 50)			
26 01 50 52-0001		<b>Lighting Ballasts</b> (26 01 50 52)			
Note: Excludes recycling fees. See CSI section 02 84 16 00-0003 for ballast recycling.					
26 01 50 52-0002		<b>Fluorescent Ballasts</b> (26 01 50 52-0001)			
26 01 50 52-0003		<b>T5 Fluorescent Ballasts</b> (26 01 50 52-0002)			
26 01 50 52-0004		<b>T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0003)			
Note: Includes 120/277 Volt and normal ballast factor.					
26 01 50 52-0005		<b>14 Watt, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0004)			
26 01 50 52-0006	EA	1 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	131.58		14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			4.44		
For High Ballast Factor, Add			8.20		
26 01 50 52-0007	EA	2 Lamp, 14 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	135.27		18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			5.54		
For High Ballast Factor, Add			8.20		
26 01 50 52-0008		<b>21 Watt, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0004)			
26 01 50 52-0009	EA	1 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	131.58		14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			4.44		
For High Ballast Factor, Add			8.20		
26 01 50 52-0010	EA	2 Lamp, 21 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	135.27		18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			5.54		
For High Ballast Factor, Add			8.20		
26 01 50 52-0011		<b>28 Watt, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0004)			
26 01 50 52-0012	EA	1 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	131.58		14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			4.44		
For High Ballast Factor, Add			8.20		
26 01 50 52-0013	EA	2 Lamp, 28 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	135.27		18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			5.54		
For High Ballast Factor, Add			8.20		
26 01 50 52-0014		<b>35 Watt, T5 Fluorescent Electronic Ballasts</b> (26 01 50 52-0004)			
26 01 50 52-0015	EA	1 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	131.58		14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			4.44		
26 01 50 52-0016	EA	2 Lamp, 35 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	135.27		18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add			5.54		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 01 50 52-0017</b> <b>54 Watt, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0004)</small>		
26 01 50 52-0018    EA   1 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	131.42	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 01 50 52-0019    EA   2 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	135.11	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
26 01 50 52-0020    EA   3 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	187.86	22.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.65	
26 01 50 52-0021    EA   4 Lamp, 54 Watt, Program/Rapid Start, T5 Fluorescent Electronic Ballast.....	191.56	25.88
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.76	
<b>26 01 50 52-0022</b> <b>High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0023</b> <b>12 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>		
26 01 50 52-0024    EA   1 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast .....	108.29	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 01 50 52-0025    EA   2 Lamp, 12 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast .....	111.98	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
<b>26 01 50 52-0026</b> <b>24 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>		
26 01 50 52-0027    EA   1 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast .....	145.53	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 01 50 52-0028    EA   2 Lamp, 24 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast .....	149.22	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
<b>26 01 50 52-0029</b> <b>39 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>		
26 01 50 52-0030    EA   1 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast .....	145.53	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 01 50 52-0031    EA   2 Lamp, 39 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast .....	149.22	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
<b>26 01 50 52-0032</b> <b>54 Watt, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0022)</small>		
26 01 50 52-0033    EA   1 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast .....	108.29	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 01 50 52-0034    EA   2 Lamp, 54 Watt, Programmed Start, High-Output, T5HO Fluorescent Electronic Ballast .....	111.98	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
<b>26 01 50 52-0035</b> <b>Dimming, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0003)</small>		
<b>26 01 50 52-0036</b> <b>Step Dimming, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0035)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0037</b> <b>28 Watt, Step Dimming, T5 Fluorescent Electronic Ballast</b> <small>(26 01 50 52-0036)</small>		
26 01 50 52-0038    EA   2 Lamp, 28 Watt, Programmed Start, Step Dimming, T5 Fluorescent Electronic Ballast.....	113.06	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
<b>26 01 50 52-0039</b> <b>Dimming To 5%, T5 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0035)</small>		
Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0040</b> <b>54 Watt, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0039)</small>		
26 01 50 52-0041    EA   1 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast .....	498.27	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
26 01 50 52-0042    EA   2 Lamp, 54 Watt, Programmed Start, Dimming To 5%, High-Output, T5HO Fluorescent Electronic Ballast .....	487.89	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
<b>26 01 50 52-0043</b> <b>T8 Fluorescent Ballasts</b> <small>(26 01 50 52-0002)</small>		
<b>26 01 50 52-0044</b> <b>T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0043)</small>		
Note: Includes 120/277 Volt and low or normal ballast factor.		
<b>26 01 50 52-0045</b> <b>17 Watt, T8 Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0044)</small>		
26 01 50 52-0046    EA   1 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.45	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
For High Ballast Factor, Add	19.95	
26 01 50 52-0047    EA   1 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	98.45	14.79
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	4.44	
For High Ballast Factor, Add	13.12	
26 01 50 52-0048    EA   2 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	54.14	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
For High Ballast Factor, Add	19.95	
26 01 50 52-0049    EA   2 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	102.14	18.48
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.54	
For High Ballast Factor, Add	13.12	
26 01 50 52-0050    EA   3 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	66.27	22.18
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.65	
For High Ballast Factor, Add	19.42	



**26 Electrical**

**26 01 Operation and Maintenance of Electrical Systems**

**26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0051	EA		3 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	113.22	22.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
			<i>For High Ballast Factor, Add</i>	11.15	
26 01 50 52-0052	EA		4 Lamp, 17 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	75.45	25.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
			<i>For High Ballast Factor, Add</i>	49.18	
26 01 50 52-0053	EA		4 Lamp, 17 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	122.66	25.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
			<i>For High Ballast Factor, Add</i>	28.71	
<b>26 01 50 52-0054</b>			<b>25 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0055	EA		1 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.45	14.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
			<i>For High Ballast Factor, Add</i>	19.95	
26 01 50 52-0056	EA		1 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	98.45	14.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
			<i>For High Ballast Factor, Add</i>	13.12	
26 01 50 52-0057	EA		2 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	54.14	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
			<i>For High Ballast Factor, Add</i>	19.95	
26 01 50 52-0058	EA		2 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	102.14	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
			<i>For High Ballast Factor, Add</i>	13.12	
26 01 50 52-0059	EA		3 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	66.27	22.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
			<i>For High Ballast Factor, Add</i>	19.42	
26 01 50 52-0060	EA		3 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	113.22	22.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
			<i>For High Ballast Factor, Add</i>	11.15	
26 01 50 52-0061	EA		4 Lamp, 25 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	75.45	25.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
			<i>For High Ballast Factor, Add</i>	49.18	
26 01 50 52-0062	EA		4 Lamp, 25 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	122.66	25.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
			<i>For High Ballast Factor, Add</i>	28.71	
<b>26 01 50 52-0063</b>			<b>28 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0064	EA		1 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.45	14.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
			<i>For High Ballast Factor, Add</i>	19.95	
26 01 50 52-0065	EA		1 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	98.45	14.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
			<i>For High Ballast Factor, Add</i>	13.12	
26 01 50 52-0066	EA		2 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	54.14	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
			<i>For High Ballast Factor, Add</i>	19.95	
26 01 50 52-0067	EA		2 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	102.14	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
			<i>For High Ballast Factor, Add</i>	13.12	
26 01 50 52-0068	EA		3 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	66.27	22.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
			<i>For High Ballast Factor, Add</i>	19.42	
26 01 50 52-0069	EA		3 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	113.22	22.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
			<i>For High Ballast Factor, Add</i>	11.15	
26 01 50 52-0070	EA		4 Lamp, 28 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	75.45	25.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
			<i>For High Ballast Factor, Add</i>	49.18	
26 01 50 52-0071	EA		4 Lamp, 28 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	122.66	25.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
			<i>For High Ballast Factor, Add</i>	28.71	
<b>26 01 50 52-0072</b>			<b>32 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0073	EA		1 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	50.45	14.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
			<i>For High Ballast Factor, Add</i>	19.95	
26 01 50 52-0074	EA		1 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	98.45	14.79
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
			<i>For High Ballast Factor, Add</i>	13.12	
26 01 50 52-0075	EA		2 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	54.14	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
			<i>For High Ballast Factor, Add</i>	19.95	
26 01 50 52-0076	EA		2 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	102.14	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
			<i>For High Ballast Factor, Add</i>	13.12	
26 01 50 52-0077	EA		3 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	66.27	22.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
			<i>For High Ballast Factor, Add</i>	19.42	
26 01 50 52-0078	EA		3 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast.....	113.22	22.18
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.65	
			<i>For High Ballast Factor, Add</i>	11.15	
26 01 50 52-0079	EA		4 Lamp, 32 Watt, Instant Start, T8 Fluorescent Electronic Ballast.....	75.45	25.88
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
			<i>For High Ballast Factor, Add</i>	49.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0080	EA		4 Lamp, 32 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	122.66 7.76 28.71	25.88
<b>26 01 50 52-0081</b>			<b>40 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0082	EA		1 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	88.28 4.44 8.53	14.79
26 01 50 52-0083	EA		1 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	98.45 4.44 13.12	14.79
26 01 50 52-0084	EA		2 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	91.97 5.54 8.53	18.48
26 01 50 52-0085	EA		2 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	102.14 5.54 13.12	18.48
26 01 50 52-0086	EA		3 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	115.68 6.65 5.25	22.18
26 01 50 52-0087	EA		3 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	113.22 6.65	22.18
26 01 50 52-0088	EA		4 Lamp, 40 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	119.38 7.76 5.25	25.88
26 01 50 52-0089	EA		4 Lamp, 40 Watt, Program/Rapid Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	122.66 7.76	25.88
<b>26 01 50 52-0090</b>			<b>96 Watt, T8 Fluorescent Electronic Ballasts (26 01 50 52-0044)</b>		
26 01 50 52-0091	EA		1 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	108.29 4.44 18.27	14.79
26 01 50 52-0092	EA		2 Lamp, 96 Watt, Instant Start, T8 Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add For High Ballast Factor, Add	111.98 5.54 18.27	18.48
<b>26 01 50 52-0093</b>			<b>High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0043)</b> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0094</b>			<b>48 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)</b>		
26 01 50 52-0095	EA		1 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.04 4.44	14.79
26 01 50 52-0096	EA		1 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.53 4.44	14.79
26 01 50 52-0097	EA		2 Lamp, 48 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.73 5.54	18.48
26 01 50 52-0098	EA		2 Lamp, 48 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.22 5.54	18.48
<b>26 01 50 52-0099</b>			<b>60 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)</b>		
26 01 50 52-0100	EA		1 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.04 4.44	14.79
26 01 50 52-0101	EA		1 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.53 4.44	14.79
26 01 50 52-0102	EA		2 Lamp, 60 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.73 5.54	18.48
26 01 50 52-0103	EA		2 Lamp, 60 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.22 5.54	18.48
<b>26 01 50 52-0104</b>			<b>72 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)</b>		
26 01 50 52-0105	EA		1 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.04 4.44	14.79
26 01 50 52-0106	EA		1 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.53 4.44	14.79
26 01 50 52-0107	EA		2 Lamp, 72 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.73 5.54	18.48
26 01 50 52-0108	EA		2 Lamp, 72 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.22 5.54	18.48
<b>26 01 50 52-0109</b>			<b>96 Watt, High-Output, T8HO Fluorescent Electronic Ballasts (26 01 50 52-0093)</b>		
26 01 50 52-0110	EA		1 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	134.04 4.44	14.79
26 01 50 52-0111	EA		1 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.53 4.44	14.79
26 01 50 52-0112	EA		2 Lamp, 96 Watt, Instant Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	137.73 5.54	18.48
26 01 50 52-0113	EA		2 Lamp, 96 Watt, Programmed Start, High-Output, T8HO Fluorescent Electronic Ballast..... For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	182.22 5.54	18.48
<b>26 01 50 52-0114</b>			<b>Dimming, T8 Fluorescent Electronic Ballasts (26 01 50 52-0043)</b>		







**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION		
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT	COST
26 01 50 52-0194	EA	1 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.16 4.44		14.79	
26 01 50 52-0195	EA	2 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.85 5.54		18.48	
26 01 50 52-0196	EA	3 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.24 6.65		22.18	
26 01 50 52-0197	EA	4 Lamp, 25 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.94 7.76		25.88	
<b>26 01 50 52-0198</b>		<b>28 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0187)				
26 01 50 52-0199	EA	1 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.16 4.44		14.79	
26 01 50 52-0200	EA	2 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.85 5.54		18.48	
26 01 50 52-0201	EA	3 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.24 6.65		22.18	
26 01 50 52-0202	EA	4 Lamp, 28 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.94 7.76		25.88	
<b>26 01 50 52-0203</b>		<b>32 Watt, Dimming To 3%, T8 Fluorescent Electronic Ballasts</b> (26 01 50 52-0187)				
26 01 50 52-0204	EA	1 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.16 4.44		14.79	
26 01 50 52-0205	EA	2 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.85 5.54		18.48	
26 01 50 52-0206	EA	3 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.24 6.65		22.18	
26 01 50 52-0207	EA	4 Lamp, 32 Watt, Program/Rapid Start, Dimming To 3%, T8 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	208.94 7.76		25.88	
<b>26 01 50 52-0208</b>		<b>T10 Fluorescent Ballasts</b> (26 01 50 52-0002)				
<b>26 01 50 52-0209</b>		<b>T10 Fluorescent Electronic Ballasts</b> (26 01 50 52-0208) Note: Includes 120/277 Volt and normal ballast factor.				
<b>26 01 50 52-0210</b>		<b>40 Watt, T10 Fluorescent Electronic Ballasts</b> (26 01 50 52-0209)				
26 01 50 52-0211	EA	1 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.80 4.44		14.79	
26 01 50 52-0212	EA	2 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.49 5.54		18.48	
26 01 50 52-0213	EA	3 Lamp, 40 Watt, Program/Rapid Start, T10 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.11 6.65		22.18	
<b>26 01 50 52-0214</b>		<b>T12 Fluorescent Ballasts</b> (26 01 50 52-0002)				
<b>26 01 50 52-0215</b>		<b>T12 Fluorescent Electronic Ballasts</b> (26 01 50 52-0214) Note: Includes 120/277 Volt and normal ballast factor.				
<b>26 01 50 52-0216</b>		<b>25 Watt, T12 Fluorescent Electronic Ballasts</b> (26 01 50 52-0215)				
26 01 50 52-0217	EA	1 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.45 4.44		14.79	
26 01 50 52-0218	EA	1 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.80 4.44		14.79	
26 01 50 52-0219	EA	2 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.14 5.54		18.48	
26 01 50 52-0220	EA	2 Lamp, 25 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.49 5.54		18.48	
26 01 50 52-0221	EA	3 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66.27 6.65		22.18	
26 01 50 52-0222	EA	4 Lamp, 25 Watt, Instant Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75.45 7.76		25.88	
<b>26 01 50 52-0223</b>		<b>30 Watt, T12 Fluorescent Electronic Ballasts</b> (26 01 50 52-0215)				
26 01 50 52-0224	EA	1 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.80 4.44		14.79	
26 01 50 52-0225	EA	2 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.49 5.54		18.48	
26 01 50 52-0226	EA	3 Lamp, 30 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.11 6.65		22.18	
<b>26 01 50 52-0227</b>		<b>34 Watt, T12 Fluorescent Electronic Ballasts</b> (26 01 50 52-0215)				
26 01 50 52-0228	EA	1 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.80 4.44		14.79	
26 01 50 52-0229	EA	2 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.49 5.54		18.48	
26 01 50 52-0230	EA	3 Lamp, 34 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.11 6.65		22.18	
<b>26 01 50 52-0231</b>		<b>40 Watt, T12 Fluorescent Electronic Ballasts</b> (26 01 50 52-0215)				
26 01 50 52-0232	EA	1 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.80 4.44		14.79	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0233	EA		2 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.49 5.54	18.48
26 01 50 52-0234	EA		3 Lamp, 40 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.11 6.65	22.18
<b>26 01 50 52-0235</b>			<b>96 Watt, T12 Fluorescent Electronic Ballasts</b> (26 01 50 52-0215)		
26 01 50 52-0236	EA		1 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	99.60 4.44	14.79
26 01 50 52-0237	EA		2 Lamp, 96 Watt, Program/Rapid Start, T12 Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.98 5.54	18.48
<b>26 01 50 52-0238</b>			<b>High-Output, T12HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0214) Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0239</b>			<b>48 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0238)		
26 01 50 52-0240	EA		1 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.54 4.44	14.79
26 01 50 52-0241	EA		2 Lamp, 48 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23 5.54	18.48
<b>26 01 50 52-0242</b>			<b>60 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0238)		
26 01 50 52-0243	EA		1 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.54 4.44	14.79
26 01 50 52-0244	EA		2 Lamp, 60 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23 5.54	18.48
<b>26 01 50 52-0245</b>			<b>72 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0238)		
26 01 50 52-0246	EA		1 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.54 4.44	14.79
26 01 50 52-0247	EA		2 Lamp, 72 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23 5.54	18.48
<b>26 01 50 52-0248</b>			<b>96 Watt, High-Output, T12HO Fluorescent Electronic Ballasts</b> (26 01 50 52-0238)		
26 01 50 52-0249	EA		2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.54 4.44	14.79
26 01 50 52-0250	EA		2 Lamp, 96 Watt, Program/Rapid Start, High-Output, T12HO Fluorescent Electronic Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.23 5.54	18.48
<b>26 01 50 52-0251</b>			<b>Emergency Fluorescent Ballasts</b> (26 01 50 52-0002) Note: 120/277 Volt.		
26 01 50 52-0252	EA		350 To 450 Lumens, One Lamp, Code Compliance, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B100)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	204.84 -29.58 8.87	14.79
26 01 50 52-0253	EA		600 To 700 Lumens, Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B60)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	354.64 -31.06 9.32	18.48
26 01 50 52-0254	EA		1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	448.17 -31.06 9.32	18.48
26 01 50 52-0255	EA		600 To 700 Lumens, One Or Two Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine B70A)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	323.37 -31.06 9.32	18.48
26 01 50 52-0256	EA		2,700 To 3,400 Lumens, Two Or Three Lamp, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B33)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,629.65 -32.53 9.76	22.18
26 01 50 52-0257	EA		225 To 450 Lumens, One Lamp, Four Hour Illumination, Emergency Fluorescent Ballast (Bodine B54)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	456.53 -29.58 8.87	14.79
26 01 50 52-0258	EA		325 To 1,000 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B84CG)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	783.66 -31.06 9.32	18.48
26 01 50 52-0259	EA		300 To 750 Lumens, One Or Two Lamp, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B94CG)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	417.37 -31.06 9.32	18.48
26 01 50 52-0260	EA		200 To 625 Lumens, One Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B413)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	581.89 -29.58 8.87	14.79
26 01 50 52-0261	EA		300 To 650 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine B463)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	444.59 -29.58 8.87	14.79
26 01 50 52-0262	EA		450 To 950 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Compact Fluorescent Ballast (Bodine B426)..... <i>For Factory Installation In New Fixtures, Deduct</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	504.50 -31.06 9.32	18.48

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 52-0263	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Ninety Minute Illumination, Damp Location, Emergency Fluorescent Ballast (Bodine BDL500)	548.50	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-31.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 01 50 52-0264	EA	600 To 700 Lumens, Two Lamp, Damp Location, Emergency Fluorescent Ballast (Bodine BDL600)	456.73	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-31.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 01 50 52-0265	EA	600 To 700 Lumens, One Lamp, Two Hour Illumination, Emergency Fluorescent Ballast (Bodine BDL700)	465.65	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0266	EA	500 To 600 Lumens, One Lamp, Damp Location, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine BDL900)	402.04	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0267	EA	300 To 750 Lumens, One Or Two Lamp, Damp Location, Ninety Minute Illumination, Emergency Compact Fluorescent Ballast (Bodine BDL94C)	417.37	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-31.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 01 50 52-0268	EA	450 Lumens, One Lamp, Low Profile, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine LP400)	408.90	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0269	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50ST)	770.86	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-31.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 01 50 52-0270	EA	1,800 To 3,500 Lumens, One Or Two Lamp, Self Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30ST)	971.55	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-31.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 01 50 52-0271	EA	1,450 To 3,500 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B30RCT)	1,844.48	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-31.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 01 50 52-0272	EA	1,100 To 1,400 Lumens, One Or Two Lamp, Remote Control Testing, Ninety Minute Illumination, Emergency Fluorescent Ballast (Bodine B50RCT)	1,271.99	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-31.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 01 50 52-0273	EA	1,100 To 3,100 Lumens, One Or Two Lamp, Central Battery, Emergency Fluorescent Ballast With Voltage Sensing Circuit (Bodine CB90-48)	631.92	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-31.06	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.32	
26 01 50 52-0274	EA	1,050 To 3,200 Lumens, One Lamp, Interim Lighting For Generator Backup, Five Minute Illumination, Emergency Fluorescent Ballast (Bodine GEN1)	829.68	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0275	EA	250 Watt, Self-Diagnostic, Ninety Minute Illumination, Fluorescent Emergency Lighting Inverter (Bodine ELI-250-SD)	4,774.98	18.48
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
<b>26 01 50 52-0276</b>		<b>LED Emergency Ballasts</b> (26 01 50 52-0001)		
26 01 50 52-0277	EA	Up To 520 Lumens, Ninety Minute Illumination, 120-277 Volt, 4 Watt Output, Emergency LED Driver (Bodine BSL4L)	148.16	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0278	EA	Up To 780 Lumens, Ninety Minute Illumination, 120-277 Volt, 6 Watt Output, Emergency LED Driver (Bodine BSL6LST)	236.12	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0279	EA	Up To 975 Lumens, Ninety Minute Illumination, 120-277 Volt, 7.5 Watt Output, Emergency LED Driver (Bodine BSL17C)	288.87	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0280	EA	Up To 1,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 10 Watt Output, Emergency LED Driver (Bodine BSL310)	326.53	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0281	EA	Up To 2,200 Lumens, Ninety Minute Illumination, 120-277 Volt, 18 Watt Output, Emergency LED Driver (Bodine BSL718)	336.05	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0282	EA	Up To 2,600 Lumens, Ninety Minute Illumination, 120-277 Volt, 20 Watt Output, Emergency LED Driver (Bodine BSL20LV)	446.30	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
26 01 50 52-0283	EA	Up To 2,300 Lumens, Ninety Minute Illumination, 120-277 Volt, 23 Watt LED Emergency Battery Backup (LiteTronics EB23UQ)	534.75	14.79
		<i>For Factory Installation In New Fixtures, Deduct</i>	-29.58	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.87	
<b>26 01 50 52-0284</b>		<b>Compact Fluorescent Ballasts</b> (26 01 50 52-0001)		
<b>26 01 50 52-0285</b>		<b>Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0284) Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0286</b>		<b>18 Watt, Compact Fluorescent Electronic Ballasts</b> (26 01 50 52-0285)		
26 01 50 52-0287	EA	1 Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast	123.71	14.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0288	EA	2	Lamp, 18 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.40 5.54	18.48
<b>26 01 50 52-0289</b>			<b>26 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0290	EA	1	Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.71 4.44	14.79
26 01 50 52-0291	EA	2	Lamp, 26 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.40 5.54	18.48
<b>26 01 50 52-0292</b>			<b>32 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0293	EA	1	Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.68 4.44	14.79
26 01 50 52-0294	EA	2	Lamp, 32 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.37 5.54	18.48
<b>26 01 50 52-0295</b>			<b>40 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0296	EA	1	Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.77 4.44	14.79
26 01 50 52-0297	EA	1	Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.68 4.44	14.79
26 01 50 52-0298	EA	2	Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	234.23 5.54	18.48
26 01 50 52-0299	EA	2	Lamp, 40 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.37 5.54	18.48
26 01 50 52-0300	EA	3	Lamp, 40 Watt, Instant Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	276.51 6.65	22.18
<b>26 01 50 52-0301</b>			<b>42 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0302	EA	1	Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.68 4.44	14.79
26 01 50 52-0303	EA	2	Lamp, 42 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.37 5.54	18.48
<b>26 01 50 52-0304</b>			<b>55 Watt, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0285)</small>		
26 01 50 52-0305	EA	1	Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	156.68 4.44	14.79
26 01 50 52-0306	EA	2	Lamp, 55 Watt, Program/Rapid Start, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	160.37 5.54	18.48
<b>26 01 50 52-0307</b>			<b>Dimming, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0284)</small>		
<b>26 01 50 52-0308</b>			<b>Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0307)</small> Note: Includes 120/277 Volt and normal ballast factor.		
<b>26 01 50 52-0309</b>			<b>18 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0310	EA	1	Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.00 4.44	14.79
26 01 50 52-0311	EA	2	Lamp, 18 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.69 5.54	18.48
<b>26 01 50 52-0312</b>			<b>26 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0313	EA	1	Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.00 4.44	14.79
26 01 50 52-0314	EA	2	Lamp, 26 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	244.69 5.54	18.48
<b>26 01 50 52-0315</b>			<b>32 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0316	EA	1	Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.00 4.44	14.79
26 01 50 52-0317	EA	2	Lamp, 32 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.89 5.54	18.48
<b>26 01 50 52-0318</b>			<b>40 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0319	EA	2	Lamp, 40 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.89 5.54	18.48
<b>26 01 50 52-0320</b>			<b>42 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>		
26 01 50 52-0321	EA	1	Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.00 4.44	14.79
26 01 50 52-0322	EA	2	Lamp, 42 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	262.89 5.54	18.48

**26 Electrical**

**26 01 Operation and Maintenance of Electrical Systems**

**26 01 50 Operation and Maintenance of Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 01 50 52-0323		<b>55 Watt, Dimming To 5%, Compact Fluorescent Electronic Ballasts</b> <small>(26 01 50 52-0308)</small>			
26 01 50 52-0324	EA	1 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	393.55 4.44		14.79
26 01 50 52-0325	EA	2 Lamp, 55 Watt, Program/Rapid Start, Dimming To 5%, Compact Fluorescent Electronic Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	440.05 5.54		18.48
26 01 50 52-0326		<b>High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0001)</small>			
26 01 50 52-0327		<b>Magnetic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>			
26 01 50 52-0328		<b>Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>			
26 01 50 52-0329		<b>Metal Halide, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>			
26 01 50 52-0330	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.21 7.76		18.48
26 01 50 52-0331	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.23 7.76		18.48
26 01 50 52-0332	EA	1 Lamp, 250 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.23 7.76		18.48
26 01 50 52-0333	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.78 7.76		18.48
26 01 50 52-0334	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.78 7.76		18.48
26 01 50 52-0335	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.49 7.76		18.48
26 01 50 52-0336	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.49 7.76		18.48
26 01 50 52-0337	EA	1 Lamp, 1,500 Watt Metal Halide, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	287.06 7.76		18.48
26 01 50 52-0338	EA	1 Lamp, 1,500 Watt Metal Halide, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	321.52 7.76		18.48
26 01 50 52-0339		<b>High Pressure Sodium, Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>			
26 01 50 52-0340	EA	1 Lamp, 50 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	134.32 7.76		18.48
26 01 50 52-0341	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.31 7.76		18.48
26 01 50 52-0342	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.43 7.76		18.48
26 01 50 52-0343	EA	1 Lamp, 150 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.45 7.76		18.48
26 01 50 52-0344	EA	1 Lamp, 150 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.59 7.76		18.48
26 01 50 52-0345	EA	1 Lamp, 250 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.66 7.76		18.48
26 01 50 52-0346	EA	1 Lamp, 250 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.66 7.76		18.48
26 01 50 52-0347	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	229.36 7.76		18.48
26 01 50 52-0348	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	229.36 7.76		18.48
26 01 50 52-0349	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	375.69 7.76		18.48
26 01 50 52-0350	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Core And Coil High Intensity Discharge (HID) Ballast ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	375.69 7.76		18.48
26 01 50 52-0351		<b>Mounting Brackets For Core And Coil High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0328)</small>			
26 01 50 52-0352	EA	Single Mounting Bracket For Core And Coil Type ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.54 2.22		
26 01 50 52-0353	EA	Double Mounting Bracket For Core And Coil Type ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.43 3.33		
26 01 50 52-0354		<b>F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0327)</small>			
26 01 50 52-0355		<b>Metal Halide, F-Can High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0354)</small>			
26 01 50 52-0356	EA	1 Lamp, 70 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast ..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.49 16.86 7.76		18.48
26 01 50 52-0357	EA	1 Lamp, 100 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast ..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	205.64 17.98 7.76		18.48
26 01 50 52-0358	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast ..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	186.04 16.02 7.76		18.48
26 01 50 52-0359	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast ..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	218.25 19.24 7.76		18.48
26 01 50 52-0360	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast ..... <i>For Pulse Start Ballast, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	308.50 28.26 7.76		18.48



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50	52-0361		<b>High Pressure Sodium, F-Can High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0364)		
26 01 50	52-0362	EA	1 Lamp, 70 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	236.75 7.76	18.48
26 01 50	52-0363	EA	1 Lamp, 100 Watt High Pressure Sodium, 120/277 Volt, F-Can High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.14 7.76	18.48
26 01 50	52-0364		<b>Postline High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0327)		
26 01 50	52-0365		<b>Metal Halide, Postline High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0364)		
26 01 50	52-0366	EA	1 Lamp, 50 Watt Metal Halide, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	403.41 7.76	18.48
26 01 50	52-0367		<b>High Pressure Sodium, Postline High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0364)		
26 01 50	52-0368	EA	1 Lamp, 70 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	657.38 16.22	38.61
26 01 50	52-0369	EA	1 Lamp, 100 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	731.49 16.22	38.61
26 01 50	52-0370	EA	1 Lamp, 150 Watt High Pressure Sodium, 120 Volt, Postline High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	705.85 16.22	38.61
26 01 50	52-0371		<b>Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0327)		
26 01 50	52-0372		<b>Metal Halide, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0371)		
26 01 50	52-0373	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	499.95 7.76	18.48
26 01 50	52-0374	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	569.34 7.76	18.48
26 01 50	52-0375	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	756.50 7.76	18.48
26 01 50	52-0376	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	752.47 7.76	18.48
26 01 50	52-0377	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,059.11 8.21	19.96
26 01 50	52-0378	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,059.11 8.21	19.96
26 01 50	52-0379	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	724.93 7.76	18.48
26 01 50	52-0380	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	855.37 7.76	18.48
26 01 50	52-0381		<b>High Pressure Sodium, Indoor Enclosed High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0371)		
26 01 50	52-0382	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	945.06 7.76	18.48
26 01 50	52-0383	EA	1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	899.09 7.76	18.48
26 01 50	52-0384	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,159.72 7.76	18.48
26 01 50	52-0385	EA	1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Indoor Enclosed High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,159.72 7.76	18.48
26 01 50	52-0386		<b>Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0327)		
26 01 50	52-0387		<b>Metal Halide, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0386)		
26 01 50	52-0388	EA	1 Lamp, 175 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.54 7.76	18.48
26 01 50	52-0389	EA	1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	609.86 7.76	18.48
26 01 50	52-0390	EA	1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	605.30 7.76	18.48
26 01 50	52-0391	EA	1 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	636.33 7.76	18.48
26 01 50	52-0392	EA	2 Lamp, 400 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,018.64 8.21	19.96
26 01 50	52-0393	EA	2 Lamp, 400 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,255.60 8.21	19.96
26 01 50	52-0394	EA	1 Lamp, 1,000 Watt Metal Halide, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	950.45 7.76	18.48
26 01 50	52-0395	EA	1 Lamp, 1,000 Watt Metal Halide, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	864.05 7.76	18.48
26 01 50	52-0396		<b>High Pressure Sodium, Outdoor Weatherproof High Intensity Discharge (HID) Ballasts</b> (26 01 50 52-0386)		
26 01 50	52-0397	EA	1 Lamp, 400 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	731.61 7.76	18.48



**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 52-0398	EA		1 Lamp, 400 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	790.03	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0399	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 120/277 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,186.68	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0400	EA		1 Lamp, 1,000 Watt High Pressure Sodium, 480 Volt, Outdoor Weatherproof High Intensity Discharge (HID) Ballast.....	1,019.09	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
<b>26 01 50 52-0401</b>			<b>Electronic High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0326)</small>		
<b>26 01 50 52-0402</b>			<b>Electronic Low Frequency High Intensity Discharge (HID) Ballasts</b> <small>(26 01 50 52-0401)</small>		
26 01 50 52-0403	EA		1 Lamp, 70 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	216.70	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0404	EA		1 Lamp, 100 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	216.70	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0405	EA		1 Lamp, 150 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	245.98	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0406	EA		1 Lamp, 250 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	656.30	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0407	EA		1 Lamp, 300 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	656.30	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0408	EA		1 Lamp, 320 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	656.30	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0409	EA		1 Lamp, 350 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	656.30	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0410	EA		1 Lamp, 400 Watt Metal Halide, 120/277 Volt, Electronic Low Frequency High Intensity Discharge (HID) Ballast.....	656.30	18.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
<b>26 01 50 52-0411</b>			<b>Owner Supplied Ballasts</b> <small>(26 01 50 52-0001)</small>		
26 01 50 52-0412	EA		Install Owner Supplied, 1 Lamp Fluorescent Ballast.....	14.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.44	
26 01 50 52-0413	EA		Install Owner Supplied, 2 Lamp Fluorescent Ballast.....	18.48	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 01 50 52-0414	EA		Install Owner Supplied, 3 Lamp Fluorescent Ballast.....	21.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.44	
26 01 50 52-0415	EA		Install Owner Supplied, 4 Lamp Fluorescent Ballast.....	22.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.88	
26 01 50 52-0416	EA		Install Owner Supplied, 1 Lamp High Intensity Discharge (HID) Ballast.....	25.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.76	
26 01 50 52-0417	EA		Install Owner Supplied, 2 Lamp High Intensity Discharge (HID) Ballast.....	27.36	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.21	
<b>26 01 50 53</b>			<b>Lens and Accessory Replacement</b> <small>(26 01 50)</small>		
<b>26 01 50 53-0001</b>			<b>Lens and Accessory Replacement</b> <small>(26 01 50 53)</small>		
26 01 50 53-0002	EA		Removal And Replacement Of Parabolic Aluminum Louver.....	93.01	
26 01 50 53-0003	EA		Removal And Replacement Of Visor For Fixtures.....	221.06	
26 01 50 53-0004	EA		Removal And Replacement Of Globe On Pole.....	236.48	
26 01 50 53-0005	EA		Removal And Replacement Of Lenses For Flat Top Pole Fixtures.....	106.04	
26 01 50 53-0006	EA		Removal And Replacement Of 1' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	37.41	
26 01 50 53-0007	EA		Removal And Replacement Of 2' x 2' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	38.46	
26 01 50 53-0008	EA		Removal And Replacement Of 2' x 4' Diffuser With 0.125" Thick Prismatic Acrylic Diffuser.....	43.00	
26 01 50 53-0009	EA		Removal And Replacement Of Slide-On Lampholder.....	17.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 01 50 53-0010	EA		Removal And Replacement Of Screw Mount Lampholder.....	17.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 01 50 53-0011	EA		Removal And Replacement Of Medium Bi-Pin Lampholder.....	18.63	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 01 50 53-0012	EA		Removal And Replacement Of Fixed High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	20.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 01 50 53-0013	EA		Removal And Replacement Of Plunger High Output Lampholder, Recessed, Double Contact Double Pedestal Type.....	22.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 01 50 53-0014	EA		Removal And Replacement Of Compact Twin-Tube Lampholder, Snap-in.....	18.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 01 50 53-0015	EA		Removal And Replacement Of Exterior Light Globes.....	67.43	
<b>26 01 50 81</b>			<b>Luminaire Replacement</b> <small>(26 01 50)</small>		
<b>26 01 50 81-0001</b>			<b>Retrofit Lighting Fixtures</b> <small>(26 01 50 81)</small>		
<b>26 01 50 81-0002</b>			<b>Retrofit Existing (T12) Fluorescent Fixtures</b> <small>(26 01 50 81-0001)</small>		
			Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 02 84 16 00-0008 for leaking ballast disposal, 26 01 50 51-0375 for hazardous lamp recycling.		
<b>26 01 50 81-0003</b>			<b>Retrofit Existing (T12) Strip Style Fluorescent Fixtures Without Reflector</b> <small>(26 01 50 81-0002)</small>		
			Note: Includes ballast, white reflective ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0004	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate One 4' (T8) Lamp.....	124.02	
			<i>For Specular Ballast Cover, Add</i>	13.99	
26 01 50 81-0005	EA		Retrofit An Existing 4' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps.....	130.95	
			<i>For Specular Ballast Cover, Add</i>	15.38	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0006 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Two 4' (T8) Lamps <i>For Specular Ballast Cover, Add</i>	173.26 23.84	
26 01 50 81-0007 EA Retrofit An Existing 8' (T12) Strip Style Fixture Without Reflector To Operate Four 4' (T8) Lamps <i>For Specular Ballast Cover, Add</i>	198.54 28.90	
<b>26 01 50 81-0008 Retrofit Existing (T12) Strip Style Fluorescent Fixtures With Reflector</b> <small>(26 01 50 81-0002)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0009 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate One 4' (T8) Lamp <i>For Specular Reflector, Add</i>	130.24 15.24	
26 01 50 81-0010 EA Retrofit An Existing 4' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps <i>For Specular Reflector, Add</i>	137.92 16.77	
26 01 50 81-0011 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Two 4' (T8) Lamps <i>For Specular Reflector, Add</i>	181.97 25.58	
26 01 50 81-0012 EA Retrofit An Existing 8' (T12) Strip Style Fixture With Reflector To Operate Four 4' (T8) Lamps <i>For Specular Reflector, Add</i>	232.41 35.67	
<b>26 01 50 81-0013 Retrofit Existing (T12) Troffer Style Fluorescent Fixtures</b> <small>(26 01 50 81-0002)</small> Note: Includes ballast, white reflector and ballast cover, lamps, lamp holders, clips, wiring, cable connectors and cleaning of fixture.		
26 01 50 81-0014 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate One 4' (T8) Lamps <i>For Specular Reflector, Add</i>	161.86 18.47	
26 01 50 81-0015 EA Retrofit An Existing 1 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps <i>For Specular Reflector, Add</i>	168.79 19.86	
26 01 50 81-0016 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Two 2' (T8) Lamps <i>For Specular Reflector, Add</i>	171.59 20.42	
26 01 50 81-0017 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Three 2' (T8) Lamps <i>For Specular Reflector, Add</i>	190.84 24.27	
26 01 50 81-0018 EA Retrofit An Existing 2 x 2 (T12) Troffer Style Fixture To Operate Four 2' (T8) Lamps <i>For Specular Reflector, Add</i>	231.05 32.31	
26 01 50 81-0019 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Two 4' (T8) Lamps <i>For Specular Reflector, Add</i>	176.26 21.35	
26 01 50 81-0020 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Three 4' (T8) Lamps <i>For Specular Reflector, Add</i>	192.86 24.67	
26 01 50 81-0021 EA Retrofit An Existing 2 x 4 (T12) Troffer Style Fixture To Operate Four 4' (T8) Lamps <i>For Specular Reflector, Add</i>	206.51 27.40	
<b>26 01 50 81-0022 Retrofit Existing Recessed Lay-In/Troffer Fixtures</b> <small>(26 01 50 81-0001)</small>		
<b>26 01 50 81-0023 Fluorescent Volumetric Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Lithonia)</b> <small>(26 01 50 81-0022)</small> Note: Includes removing existing lamps and ballast. Includes installing adaptor frame, volumetric reflectors, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.		
26 01 50 81-0024 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	181.37	
26 01 50 81-0025 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	181.37	
26 01 50 81-0026 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	181.37	
26 01 50 81-0027 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	195.55	
26 01 50 81-0028 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	181.37	
26 01 50 81-0029 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	181.37	
26 01 50 81-0030 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	181.37	
26 01 50 81-0031 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 4', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	195.55	
26 01 50 81-0032 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	182.39	
26 01 50 81-0033 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	182.39	
26 01 50 81-0034 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	182.39	
26 01 50 81-0035 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Parabolic Recessed Fluorescent Fixtures (Lithonia 2RT8R)	196.58	
26 01 50 81-0036 EA 2 T8 Lamps, 0.78 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	182.39	
26 01 50 81-0037 EA 2 T8 Lamps, 0.88 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	182.39	
26 01 50 81-0038 EA 2 T8 Lamps, 1.20 Ballast Factor, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	182.39	
26 01 50 81-0039 EA 2 T8 Lamps, 0.88 Ballast Factor, Step Dimming Ballast, 2' x 2', Volumetric Lighting Retrofit For Existing Lensed Recessed Fluorescent Fixtures (Lithonia 2RT8RT)	196.58	
<b>26 01 50 81-0040 LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (PlanLED)</b> <small>(26 01 50 81-0022)</small> Note: Includes adaptor frame, optical system, LEDs and driver. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.		

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 01 50 81-0041	EA	2,400 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-025)		243.23	
26 01 50 81-0042	EA	4,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (PlanLED FR3E-045)		252.88	
<b>26 01 50 81-0043</b>		<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Raffino™)</b> <small>(26 01 50 81-0022)</small>			
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.					
26 01 50 81-0044	EA	1,800 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-1800L)		372.94	
26 01 50 81-0045	EA	2,600 Lumens, 1' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR14-2700L)		381.61	
26 01 50 81-0046	EA	2,200 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-2200L)		372.94	
26 01 50 81-0047	EA	3,300 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR22-3300L)		381.61	
26 01 50 81-0048	EA	3,300 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-3000L)		424.96	
26 01 50 81-0049	EA	4,150 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-4000L)		437.97	
26 01 50 81-0050	EA	5,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Raffino™ LR24-5000L)		468.31	
<b>26 01 50 81-0051</b>		<b>LED Architectural Lighting Retrofits For Existing Recessed Lay-In/Troffer Fixtures (Orion)</b> <small>(26 01 50 81-0022)</small>			
Note: Includes removing existing lamps and disconnecting existing ballast. Includes installing adaptor frame, LED light panel, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.					
26 01 50 81-0052	EA	3,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-030L-FO-UNV-FDX-840-22-1P-CT-M-ST)		346.41	
26 01 50 81-0053	EA	3,500 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-035L-FO-UNV-FDX-840-22-1P-CT-M-ST)		358.51	
26 01 50 81-0054	EA	3,200 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-032L-FO-UNV-FDX-840-24-1P-CT-M-ST)		362.13	
26 01 50 81-0055	EA	3,800 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDR-038L-FO-UNV-FDX-840-24-1P-CT-M-ST)		374.22	
26 01 50 81-0056	EA	2,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1A1UNVFDX84022MST)		264.78	
26 01 50 81-0057	EA	4,000 Lumens, 2' x 2', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1B1UNVFDX84022MST)		270.53	
26 01 50 81-0058	EA	3,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1D1UNVFDX84024MST)		279.72	
26 01 50 81-0059	EA	4,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1E1UNVFDX84024MST)		285.46	
26 01 50 81-0060	EA	6,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (Orion LDRE1F1UNVFDX84024MST)		349.79	
26 01 50 81-0061	EA	8,000 Lumens, 2' x 4', LED Architectural Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (ORION LDRE1G1UNVFDX84024MST)		414.12	
<b>26 01 50 81-0062</b>		<b>Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)</b> <small>(26 01 50 81-0022)</small>			
Note: Includes adaptor frame, optical system, lamps and ballasts. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.					
26 01 50 81-0063	EA	1 T5 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		328.10	
26 01 50 81-0064	EA	1 T8 Lamp, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		239.97	
26 01 50 81-0065	EA	2 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		336.16	
26 01 50 81-0066	EA	2 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		247.95	
26 01 50 81-0067	EA	3 T5 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		350.73	
26 01 50 81-0068	EA	3 T8 Lamps, 2' x 2', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		269.80	
26 01 50 81-0069	EA	1 T5 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		382.28	
26 01 50 81-0070	EA	1 T8 Lamp, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		293.95	
26 01 50 81-0071	EA	2 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		389.82	
26 01 50 81-0072	EA	2 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		301.56	
26 01 50 81-0073	EA	3 T5 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		404.22	
26 01 50 81-0074	EA	3 T8 Lamps, 2' x 4', Fluorescent Direct-Indirect Louver Lighting Retrofit For Existing Recessed Lay-In/Troffer Fixtures (A.L.P. Lighting Components)		323.30	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 01 50 81-0075	<b>LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT)</b> <small>(26 01 50 81-0022)</small> Note: Includes removing existing lamps and ballast. Includes installing LED light engine assembly, dimming driver and trim. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.		
26 01 50 81-0076	EA 3,300 Lumens, 2' x 2', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL2R/RT).....	677.84	
26 01 50 81-0077	EA 4,800 Lumens, 2' x 4', LED Volumetric Lighting Retrofit For Existing Lensed Or Parabolic Recessed Lay-In/Troffer Fixtures (Lithonia 2VTL4R/RT).....	751.77	
26 01 50 81-0078	<b>Retrofit Existing HID Fixtures</b> <small>(26 01 50 81-0001)</small>		
26 01 50 81-0079	EA Tear Drop LED Retrofit Kit (Holophane LTDR2 P35S 40K AS BK TDRD 3 P).....	1,530.63	
26 01 50 81-0080	<b>LED Lighting Retrofits For Existing Fluorescent Fixtures</b> <small>(26 01 50 81-0001)</small> Note: Excludes recycling or disposal of lamps and ballasts. See CSI section 26 01 50 51-0375 for disposal of hazardous lamps.		
26 01 50 81-0081	<b>LED Lightbar Retrofit For Existing Fluorescent Fixtures (Lithonia)</b> <small>(26 01 50 81-0080)</small>		
26 01 50 81-0082	EA 2' Length, 2 Bar, 2,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 2 2000LMHE 80CRI 35K MIN10 GZT MVOLT).....	130.21	
	<i>For &gt;25 To 50, Deduct</i>	-6.51	
	<i>For &gt;50 To 100, Deduct</i>	-11.50	
	<i>For &gt;100, Deduct</i>	-19.97	
26 01 50 81-0083	EA 2' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 2FT 4 8000LMHE 80CRI MIN10 GZT MVOLT).....	182.26	
	<i>For &gt;25 To 50, Deduct</i>	-9.11	
	<i>For &gt;50 To 100, Deduct</i>	-15.41	
	<i>For &gt;100, Deduct</i>	-25.18	
26 01 50 81-0084	EA 3' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	141.15	
	<i>For &gt;25 To 50, Deduct</i>	-7.06	
	<i>For &gt;50 To 100, Deduct</i>	-12.42	
	<i>For &gt;100, Deduct</i>	-21.45	
26 01 50 81-0085	EA 3' Length, 1 Bar, 1,600 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 3FT 1 1600LMHE 80CRI 35K MIN10 GZT MVOLT).....	130.99	
	<i>For &gt;25 To 50, Deduct</i>	-6.55	
	<i>For &gt;50 To 100, Deduct</i>	-11.66	
	<i>For &gt;100, Deduct</i>	-20.44	
26 01 50 81-0086	EA 4' Length, 2 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	167.44	
	<i>For &gt;25 To 50, Deduct</i>	-8.37	
	<i>For &gt;50 To 100, Deduct</i>	-14.49	
	<i>For &gt;100, Deduct</i>	-24.47	
26 01 50 81-0087	EA 4' Length, 4 Bar, 6,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 6000LMHE 80CRI 35K MIN10 GZT MVOLT).....	212.55	
	<i>For &gt;25 To 50, Deduct</i>	-10.63	
	<i>For &gt;50 To 100, Deduct</i>	-17.87	
	<i>For &gt;100, Deduct</i>	-28.98	
26 01 50 81-0088	EA 4' Length, 1 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	141.12	
	<i>For &gt;25 To 50, Deduct</i>	-7.06	
	<i>For &gt;50 To 100, Deduct</i>	-12.51	
	<i>For &gt;100, Deduct</i>	-21.83	
26 01 50 81-0089	EA 4' Length, 1 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 1 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	141.12	
	<i>For &gt;25 To 50, Deduct</i>	-7.06	
	<i>For &gt;50 To 100, Deduct</i>	-12.51	
	<i>For &gt;100, Deduct</i>	-21.83	
26 01 50 81-0090	EA 4' Length, 4 Bar, 8,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 4 8000LMHE 80CRI 35K MIN10 GZT MVOLT).....	176.46	
	<i>For &gt;25 To 50, Deduct</i>	-8.82	
	<i>For &gt;50 To 100, Deduct</i>	-15.17	
	<i>For &gt;100, Deduct</i>	-25.37	
26 01 50 81-0091	EA 4' Length, 2 Bar, 4,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 4000LMHE 80CRI 35K MIN10 GZT MVOLT).....	152.40	
	<i>For &gt;25 To 50, Deduct</i>	-7.62	
	<i>For &gt;50 To 100, Deduct</i>	-13.36	
	<i>For &gt;100, Deduct</i>	-22.96	
26 01 50 81-0092	EA 4' Length, 2 Bar, 3,000 Lumens, 3500K CCT, Lightbar Kit LED Retrofit System (Lithonia LBK 4FT 2 3000LMHE 80CRI 35K MIN10 GZT MVOLT).....	152.40	
	<i>For &gt;25 To 50, Deduct</i>	-7.62	
	<i>For &gt;50 To 100, Deduct</i>	-13.36	
	<i>For &gt;100, Deduct</i>	-22.96	
26 01 50 81-0093	<b>LED Retrofit For Existing Fluorescent Fixtures (Lithonia)</b> <small>(26 01 50 81-0080)</small>		
26 01 50 81-0094	EA 1'x 4', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	290.40	
	<i>For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add</i>	179.91	
	<i>For nLight AIR radio module without sensor (nLight RIO), Add</i>	116.95	
	<i>For &gt;25 To 50, Deduct</i>	-14.52	
	<i>For &gt;50 To 100, Deduct</i>	-23.71	
	<i>For &gt;100, Deduct</i>	-36.76	

## 26 Electrical

## 26 01 Operation and Maintenance of Electrical Systems

## 26 01 50 Operation and Maintenance of Lighting

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 01 50 81-0095	EA	1'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2).....	311.74
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-15.59
		For >50 To 100, Deduct	-25.31
		For >100, Deduct	-38.90
26 01 50 81-0096	EA	2'x 2', 3,300 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R 33LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	327.69
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-16.38
		For >50 To 100, Deduct	-26.51
		For >100, Deduct	-40.49
26 01 50 81-0097	EA	2'x 2', 4,000 Lumens, 3500K CCT, Square Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT2R F 40LHE SDSMT MVOLT EZ1 LP835 NLTAIR2).....	352.61
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-17.63
		For >50 To 100, Deduct	-28.38
		For >100, Deduct	-42.98
26 01 50 81-0098	EA	2'x 4', 4,000 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 40LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	380.33
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-19.02
		For >50 To 100, Deduct	-30.84
		For >100, Deduct	-47.30
26 01 50 81-0099	EA	2'x 4', 4,800 Lumens, 3500K CCT, Curved Smooth Diffuser, Dimming LED Relight Assembly (Lithonia 2BLT4R 48LHE ADSMT MVOLT EZ1 LP835 NLTAIR2 RIO).....	409.27
		For nLight AIR PIR integral occupancy sensor with automatic dimming photocell for Networking Capabilities Individual Control (nLight RES7), Add	179.91
		For nLight AIR radio module without sensor (nLight RIO), Add	116.95
		For >25 To 50, Deduct	-20.46
		For >50 To 100, Deduct	-33.01
		For >100, Deduct	-50.19

26 01 50 81-0100 LED Lighting Retrofits For Existing Fluorescent Fixtures (ELED Lights) (26 01 5081-0080)

Note: Includes removal of existing fluorescent lamps, installing LED strip lighting and trim. Excludes recycling or disposal of lamps. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.

26 01 50 81-0101	EA	2' Dimmable, 20 Watts, 2900 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W40).....	121.97
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-6.10
		For >50 To 100, Deduct	-10.89
		For >100, Deduct	-19.15
26 01 50 81-0102	EA	2' Dimmable, 20 Watts, 2900 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X2STRPD20W50).....	121.97
		Note: Kit contains two 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-6.10
		For >50 To 100, Deduct	-10.89
		For >100, Deduct	-19.15
26 01 50 81-0103	EA	4' Dimmable, 32 Watts, 5000 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W40).....	157.81
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-7.89
		For >50 To 100, Deduct	-13.77
		For >100, Deduct	-23.50
26 01 50 81-0104	EA	4' Dimmable, 32 Watts, 5000 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD32W50).....	157.81
		Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-7.89
		For >50 To 100, Deduct	-13.77
		For >100, Deduct	-23.50
26 01 50 81-0105	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30).....	157.92
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-7.90
		For >50 To 100, Deduct	-13.77
		For >100, Deduct	-23.51
26 01 50 81-0106	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN30F).....	170.85
		Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-8.54
		For >50 To 100, Deduct	-14.74
		For >100, Deduct	-24.81
26 01 50 81-0107	EA	4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35).....	157.92
		Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver	
		For >25 To 50, Deduct	-7.90
		For >50 To 100, Deduct	-13.77
		For >100, Deduct	-23.51



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 01 50 81-0108	EA		4' Dimmable, 35 Watts, 5500 Lumens, 3500K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN35F).....	170.85	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.54	
			<i>For &gt;50 To 100, Deduct</i>	-14.74	
			<i>For &gt;100, Deduct</i>	-24.81	
26 01 50 81-0109	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40).....	157.92	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-7.90	
			<i>For &gt;50 To 100, Deduct</i>	-13.77	
			<i>For &gt;100, Deduct</i>	-23.51	
26 01 50 81-0110	EA		4' Dimmable, 35 Watts, 5500 Lumens, 4000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN40F).....	170.85	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.54	
			<i>For &gt;50 To 100, Deduct</i>	-14.74	
			<i>For &gt;100, Deduct</i>	-24.81	
26 01 50 81-0111	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50).....	157.92	
			Note: Kit contains four 2-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-7.90	
			<i>For &gt;50 To 100, Deduct</i>	-13.77	
			<i>For &gt;100, Deduct</i>	-23.51	
26 01 50 81-0112	EA		4' Dimmable, 35 Watts, 5500 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4STRPUSA035UN50F).....	170.85	
			Note: Kit contains four 2-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.54	
			<i>For &gt;50 To 100, Deduct</i>	-14.74	
			<i>For &gt;100, Deduct</i>	-24.81	
26 01 50 81-0113	EA		4' Dimmable, 46 Watts, 6800 Lumens, 5000K, Ultra High Lumen Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 2X4STRPD46W50).....	170.74	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-8.54	
			<i>For &gt;50 To 100, Deduct</i>	-14.74	
			<i>For &gt;100, Deduct</i>	-24.80	
26 01 50 81-0114	EA		4' Dimmable, 31 Watts, 5730 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	198.40	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-9.92	
			<i>For &gt;50 To 100, Deduct</i>	-16.81	
			<i>For &gt;100, Deduct</i>	-27.56	
26 01 50 81-0115	EA		4' Dimmable, 31 Watts, 5730 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	214.55	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-10.73	
			<i>For &gt;50 To 100, Deduct</i>	-18.02	
			<i>For &gt;100, Deduct</i>	-29.18	
26 01 50 81-0116	EA		4' Dimmable, 31 Watts, 5730 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	198.40	
			Note: Kit contains two 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-9.92	
			<i>For &gt;50 To 100, Deduct</i>	-16.81	
			<i>For &gt;100, Deduct</i>	-27.56	
26 01 50 81-0117	EA		4' Dimmable, 31 Watts, 5730 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	214.55	
			Note: Kit contains two 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-10.73	
			<i>For &gt;50 To 100, Deduct</i>	-18.02	
			<i>For &gt;100, Deduct</i>	-29.18	
26 01 50 81-0118	EA		20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS BLD-AM20D-480800).....	201.25	
			Note: 90-minute emergency battery with DIP switch-selectable power output of 10 Watts, 15 Watts, or 20 Watts		
			<i>For &gt;25 To 50, Deduct</i>	-10.06	
			<i>For &gt;50 To 100, Deduct</i>	-15.48	
			<i>For &gt;100, Deduct</i>	-21.67	
26 01 50 81-0119	EA		20 Watts, Emergency Battery Backup, For Use With 2' And 4' Linear LED Retrofit Kits (ELEDLIGHTS EM-HM-20W).....	184.89	
			Note: 90-minute emergency battery with power output of 20 Watts		
			<i>For &gt;25 To 50, Deduct</i>	-9.24	
			<i>For &gt;50 To 100, Deduct</i>	-14.25	
			<i>For &gt;100, Deduct</i>	-20.03	
26 01 50 81-0120	EA		8' Dimmable, 46 Watts, 7400 Lumens, 5000K, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD46W50).....	205.21	
			Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-10.26	
			<i>For &gt;50 To 100, Deduct</i>	-17.90	
			<i>For &gt;100, Deduct</i>	-30.56	
26 01 50 81-0121	EA		8' Dimmable, 49 Watts, 6680 Lumens, 5000K, Frosted Lens, Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4X4STRPD49W50F).....	213.29	
			Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
			<i>For &gt;25 To 50, Deduct</i>	-10.66	
			<i>For &gt;50 To 100, Deduct</i>	-18.51	
			<i>For &gt;100, Deduct</i>	-31.37	

**26 Electrical****26 01 Operation and Maintenance of Electrical Systems****26 01 50 Operation and Maintenance of Lighting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 01 50 81-0122	EA	8' Dimmable, 64 Watts, 11850 Lumens, 4000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40).....	292.65	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-14.63	
		For >50 To 100, Deduct	-24.46	
		For >100, Deduct	-39.30	
26 01 50 81-0123	EA	8' Dimmable, 64 Watts, 11850 Lumens, 4000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD40F).....	324.96	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-16.25	
		For >50 To 100, Deduct	-26.88	
		For >100, Deduct	-42.53	
26 01 50 81-0124	EA	8' Dimmable, 64 Watts, 11850 Lumens, 5000K, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50).....	292.65	
		Note: Kit contains four 4-foot magnetic linear LED strips, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-14.63	
		For >50 To 100, Deduct	-24.46	
		For >100, Deduct	-39.30	
26 01 50 81-0125	EA	8' Dimmable, 64 Watts, 11850 Lumens, 5000K, Frosted Lens, High Efficacy Magnetic Linear LED Retrofit Kit (ELEDLIGHTS 4C3STRP031DD50F).....	324.96	
		Note: Kit contains four 4-foot magnetic linear LED strips, frosted lens covers, connectors, and magnetic-mount LED driver		
		For >25 To 50, Deduct	-16.25	
		For >50 To 100, Deduct	-26.88	
		For >100, Deduct	-42.53	

**26 05 Common Work Results for Electrical** <sup>(26)</sup>**26 05 13 Medium-Voltage Cables** <sup>(26 05)</sup>**26 05 13 16 Medium-Voltage, Single-and Multi-Conductor Cables** <sup>(26 05 13)</sup>**26 05 13 16-0001 Wire And Cable** <sup>(26 05 13 16)</sup>

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, testing, and splicing (#8 and lighter). All conductors are copper except as otherwise noted. No special set-up is required. Excludes terminations.

**26 05 13 16-0002 5 KV Cable** <sup>(26 05 13 16-0001)</sup>**26 05 13 16-0003 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0004	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	3,998.08	1,147.18
26 05 13 16-0005	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,659.49	1,252.62
26 05 13 16-0006	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,505.75	1,415.26
26 05 13 16-0007	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,080.14	1,743.65
26 05 13 16-0008	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,048.56	1,963.51
26 05 13 16-0009	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,718.85	2,179.45
26 05 13 16-0010	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,936.51	2,448.83
26 05 13 16-0011	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,856.05	2,724.43
26 05 13 16-0012	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	15,039.97	3,252.91
26 05 13 16-0013	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	18,769.22	3,823.72
26 05 13 16-0014	MLF	750 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	27,139.60	4,506.67
26 05 13 16-0015	MLF	1,000 MCM, XLP, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	35,517.20	5,189.29

**26 05 13 16-0016 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** <sup>(26 05 13 16-0002)</sup>

Note: Excludes excavation.

26 05 13 16-0017	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	3,854.69	
26 05 13 16-0018	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,252.40	
26 05 13 16-0019	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,691.97	
26 05 13 16-0020	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,714.95	
26 05 13 16-0021	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,133.59	
26 05 13 16-0022	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,532.82	
26 05 13 16-0023	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,077.04	
26 05 13 16-0024	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,583.27	
26 05 13 16-0025	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,589.08	
26 05 13 16-0026	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,020.30	

**26 05 13 16-0027 Cross-Linked Polyethylene (XLP) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** <sup>(26 05 13 16-0002)</sup>

26 05 13 16-0028	MLF	#6 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,017.22	729.13
26 05 13 16-0029	MLF	#4 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,551.51	781.79
26 05 13 16-0030	MLF	#2 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,526.10	988.63
26 05 13 16-0031	MLF	1/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,827.14	1,200.17
26 05 13 16-0032	MLF	2/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,785.96	1,408.89
26 05 13 16-0033	MLF	3/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,440.04	1,611.21
26 05 13 16-0034	MLF	4/0 AWG, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,652.51	1,869.46
26 05 13 16-0035	MLF	250 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,131.89	2,351.91
26 05 13 16-0036	MLF	350 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,609.13	2,975.90
26 05 13 16-0037	MLF	500 MCM, XLP, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	18,886.41	3,738.94

**26 05 13 16-0038 5 KV Non-Shielded Single Copper Conductor** <sup>(26 05 13 16-0002)</sup>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 13 16-0039	MLF	1/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,540.54	2,286.19
26 05 13 16-0040	MLF	2/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	9,611.54	2,319.04
26 05 13 16-0041	MLF	3/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,682.55	2,351.90
26 05 13 16-0042	MLF	4/0 AWG, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,094.76	2,403.88
26 05 13 16-0043	MLF	350 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	12,999.31	2,495.58
26 05 13 16-0044	MLF	500 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	17,838.74	2,615.40
26 05 13 16-0045	MLF	750 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	27,006.85	3,269.26
26 05 13 16-0046	MLF	1,000 MCM, 5 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	31,614.61	4,359.06

**26 05 13 16-0047 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed In Duct** (26 05 13 16-0002)

26 05 13 16-0048	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,201.53	1,147.18
26 05 13 16-0049	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	4,934.53	1,252.62
26 05 13 16-0050	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	5,899.91	1,415.26
26 05 13 16-0051	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	6,714.72	1,579.38
26 05 13 16-0052	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	7,569.95	1,743.65
26 05 13 16-0053	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	8,613.72	1,963.51
26 05 13 16-0054	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,487.46	2,179.45
26 05 13 16-0055	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,803.09	2,448.83
26 05 13 16-0056	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	13,944.17	2,724.43
26 05 13 16-0057	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	16,283.32	3,252.91
26 05 13 16-0058	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	20,427.02	3,823.72
26 05 13 16-0059	MLF	750 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	29,997.46	5,066.67
26 05 13 16-0060	MLF	1,000 MCM, EPR, 5 KV, Shielded, Single Copper Conductor Cable, Installed In Duct.....	39,575.11	5,189.29

**26 05 13 16-0061 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Direct Burial** (26 05 13 16-0002)

Note: Excludes excavation.

26 05 13 16-0062	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,058.15	
26 05 13 16-0063	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	4,527.45	
26 05 13 16-0064	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,046.14	
26 05 13 16-0065	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	5,626.08	
26 05 13 16-0066	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,204.75	
26 05 13 16-0067	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,698.75	
26 05 13 16-0068	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,301.43	
26 05 13 16-0069	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,943.62	
26 05 13 16-0070	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,671.39	
26 05 13 16-0071	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,832.43	
26 05 13 16-0072	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,678.10	

**26 05 13 16-0073 Ethylene-Propylene Rubber (EPR) Insulation, 5 KV, Shielded, Single Copper Conductor, 133 Percent Insulation, Installed On Poles (Aerial)** (26 05 13 16-0002)

26 05 13 16-0074	MLF	#6 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,220.67	729.13
26 05 13 16-0075	MLF	#4 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	3,826.55	781.79
26 05 13 16-0076	MLF	#2 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	4,880.26	988.63
26 05 13 16-0077	MLF	#1 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	5,596.69	1,093.62
26 05 13 16-0078	MLF	1/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,316.95	1,200.17
26 05 13 16-0079	MLF	2/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,351.12	1,408.89
26 05 13 16-0080	MLF	3/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,208.65	1,611.21
26 05 13 16-0081	MLF	4/0 AWG, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	10,519.09	1,869.46
26 05 13 16-0082	MLF	250 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,220.01	2,351.91
26 05 13 16-0083	MLF	350 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,852.48	2,975.90
26 05 13 16-0084	MLF	500 MCM, EPR, 5 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	20,544.21	3,738.94

**26 05 13 16-0085 15 KV Cable** (26 05 13 16-0001)

**26 05 13 16-0086 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** (26 05 13 16-0086)

**26 05 13 16-0087 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** (26 05 13 16-0086)

26 05 13 16-0088	MLF	#4 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,480.59	2,286.19
26 05 13 16-0089	MLF	#2 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,043.09	2,286.19
26 05 13 16-0090	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,257.65	2,286.19
26 05 13 16-0091	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,956.61	2,286.19
26 05 13 16-0092	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,620.02	2,286.19
26 05 13 16-0093	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,983.93	2,386.39
26 05 13 16-0094	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	12,244.55	2,386.39
26 05 13 16-0095	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,939.41	2,495.58
26 05 13 16-0096	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,613.86	2,554.11
26 05 13 16-0097	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	19,062.78	2,876.95

**26 05 13 16-0098 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial** (26 05 13 16-0086)

Note: Excludes excavation.

26 05 13 16-0099	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	6,798.40	
26 05 13 16-0100	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,497.36	
26 05 13 16-0101	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,160.77	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 13 16-0102	MLF	3/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,556.30	
26 05 13 16-0103	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,816.92	
26 05 13 16-0104	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	11,647.51	
26 05 13 16-0105	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,325.40	
26 05 13 16-0106	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	16,447.38	

**26 05 13 16-0107 Cross-Linked Polyethylene (XLP) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** (26 05 13 16-0086)

26 05 13 16-0108	MLF	#1 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,237.74	1,041.59
26 05 13 16-0109	MLF	1/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	7,347.14	1,200.17
26 05 13 16-0110	MLF	2/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,550.73	1,408.89
26 05 13 16-0111	MLF	3/0 AWG, XLP, 15 KV, Installed On Poles (Aerial), Shielded, Single Copper Conductor, 133% Insulation Cable.....	10,188.09	1,611.21
26 05 13 16-0112	MLF	4/0 AWG, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,116.96	1,869.46
26 05 13 16-0113	MLF	250 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	13,332.92	2,176.31
26 05 13 16-0114	MLF	350 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	15,791.72	2,535.95
26 05 13 16-0115	MLF	500 MCM, XLP, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	19,494.27	2,945.75

**26 05 13 16-0116 Ethylene-Propylene Rubber (EPR) Insulation, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable** (26 05 13 16-0085)
**26 05 13 16-0117 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct** (26 05 13 16-0116)

26 05 13 16-0118	MLF	#4 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	8,978.31	2,286.19
26 05 13 16-0119	MLF	#2 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,642.06	2,286.19
26 05 13 16-0120	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	9,895.24	2,286.19
26 05 13 16-0121	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	10,720.01	2,286.19
26 05 13 16-0122	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	11,502.84	2,286.19
26 05 13 16-0123	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,067.19	2,386.39
26 05 13 16-0124	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	13,374.73	2,386.39
26 05 13 16-0125	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	15,325.48	2,495.58
26 05 13 16-0126	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	17,275.01	2,554.11
26 05 13 16-0127	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed In Duct.....	21,199.45	2,876.95

**26 05 13 16-0128 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial** (26 05 13 16-0116)

Note: Excludes excavation.

26 05 13 16-0129	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	7,436.00	
26 05 13 16-0130	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	8,260.76	
26 05 13 16-0131	MLF	2/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	9,043.59	
26 05 13 16-0132	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,639.56	
26 05 13 16-0133	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	10,947.09	
26 05 13 16-0134	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	13,029.54	
26 05 13 16-0135	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	14,976.30	
26 05 13 16-0136	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Direct Burial.....	18,584.05	

**26 05 13 16-0137 Ethylene-Propylene Rubber (EPR), 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial)** (26 05 13 16-0116)

26 05 13 16-0138	MLF	#1 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	6,875.34	1,041.59
26 05 13 16-0139	MLF	1/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	8,110.54	1,200.17
26 05 13 16-0140	MLF	2/0 AWG, EPEPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	9,433.55	1,408.89
26 05 13 16-0141	MLF	3/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	11,271.35	1,611.21
26 05 13 16-0142	MLF	4/0 AWG, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	12,247.13	1,869.46
26 05 13 16-0143	MLF	250 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	14,718.99	2,176.31
26 05 13 16-0144	MLF	350 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	17,452.87	2,535.95
26 05 13 16-0145	MLF	500 MCM, EPR, 15 KV, Shielded, Single Copper Conductor, 133% Insulation Cable, Installed On Poles (Aerial).....	21,630.94	2,945.75

**26 05 13 16-0146 15 KV Non-Shielded Single Copper Conductor** (26 05 13 16-0085)

26 05 13 16-0147	MLF	1/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	11,491.54	2,294.20
26 05 13 16-0148	MLF	2/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	10,189.60	2,349.04
26 05 13 16-0149	MLF	3/0 AWG, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	14,537.09	2,403.88
26 05 13 16-0150	MLF	350 MCM, 15 KV, Non-Shielded, Single Copper Conductor Cable, Installed In Duct.....	19,472.18	2,564.08

**26 05 13 16-0151 Shielded, Armored Copper, 15 KV, 3 Conductor Cable** (26 05 13 16-0085)

Note: Laid in cable tray or hung in vertical cable shaft.

**26 05 13 16-0152 Galvanized Steel Interlocked Armor Cable** (26 05 13 16-0151)

26 05 13 16-0153	LF	3 Conductors, #2 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	59.08	17.49
26 05 13 16-0154	LF	3 Conductors, 1/0 AWG, TC, 15 KV, Galvanized Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	69.14	18.63

**26 05 13 16-0155 Aluminum Interlocked Armor Cable** (26 05 13 16-0151)

26 05 13 16-0156	LF	3 Conductors, #2 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	59.08	17.49
26 05 13 16-0157	LF	3 Conductor, 1/0 AWG, TC, 15 KV, Aluminum Armored Shielded Cable, Laid In Cable Tray Or Hung Vertically.....	69.14	18.63

**26 05 13 16-0158 Type URD, 15 KV Primary Concentric UD Cable** (26 05 13 16-0085)

Note: 0.175" XLPE insulation, copper conductor.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 13 16-0159	MLF		#4 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	4,208.90	1,147.18
26 05 13 16-0160	MLF		#2 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	4,944.49	1,252.62
26 05 13 16-0161	MLF		#1 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	5,872.74	1,415.26
26 05 13 16-0162	MLF		1/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	7,576.08	1,738.92
26 05 13 16-0163	MLF		2/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	8,619.49	1,957.63
26 05 13 16-0164	MLF		3/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	10,515.28	2,179.45
26 05 13 16-0165	MLF		4/0 AWG, Type URD (XLPE), 15 KV, Shielded, Single Conductor Cable, Installed In Conduit .....	11,811.62	2,439.68
<b>26 05 13 16-0166</b>			<b>15 KV, URD Copper Cable, Direct Burial (26 05 13 16-0085)</b>		
26 05 13 16-0167	MLF		3 Conductors, #6 AWG, 15 KV, URD Copper Cable, Direct Burial .....	17,763.06	
<b>26 05 13 16-0168</b>			<b>Wire Connections (26 05 13 16-0001)</b>		
<b>26 05 13 16-0169</b>			<b>Medium Voltage Up To 5 KV (26 05 13 16-0168)</b>		
<b>26 05 13 16-0170</b>			<b>Shielded One Conductor Cable Splice (26 05 13 16-0169)</b>		
26 05 13 16-0171	EA		#6 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	515.92	154.14
26 05 13 16-0172	EA		#2 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	721.08	154.14
26 05 13 16-0173	EA		1/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	721.08	154.14
26 05 13 16-0174	EA		2/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	766.95	184.97
26 05 13 16-0175	EA		3/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	766.95	184.97
26 05 13 16-0176	EA		4/0 AWG Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	766.95	184.97
26 05 13 16-0177	EA		250 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	828.12	215.80
26 05 13 16-0178	EA		350 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	828.12	215.80
26 05 13 16-0179	EA		500 MCM Cable Splice, To 5 KV One Conductor, Shielded Medium Voltage To 5 KV .....	828.12	215.80
<b>26 05 13 16-0180</b>			<b>Cable Termination Without Stress Cone (26 05 13 16-0169)</b>		
26 05 13 16-0181	EA		#6 To 4/0 AWG Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	802.47	184.97
26 05 13 16-0182	EA		250 To 500 MCM Cable Termination Without Stress Cone, Medium Voltage To 5 KV .....	924.80	215.80
<b>26 05 13 16-0183</b>			<b>Cable Termination With Stress Cone (26 05 13 16-0169)</b>		
26 05 13 16-0184	EA		#6 To 4/0 AWG Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	2,497.12	369.94
26 05 13 16-0185	EA		250 To 500 MCM Cable Termination With Stress Cone, Medium Voltage To 5 KV .....	3,427.25	508.68
<b>26 05 13 16-0186</b>			<b>Connect To Pothead, Pothead Included (26 05 13 16-0169)</b>		
26 05 13 16-0187	EA		#6 To 4/0 AWG Connection To Pothead (Included) Medium Voltage To 5 KV .....	2,621.04	369.94
26 05 13 16-0188	EA		250 To 500 MCM Connection To Pothead (Included) Medium Voltage To 5 KV .....	3,379.94	423.90
<b>26 05 13 16-0189</b>			<b>Two Conductor Pothead (26 05 13 16-0169)</b>		
Note: Includes 5 KV pothead.					
26 05 13 16-0190	EA		#6 To 4/0 AWG, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	1,774.09	508.68
26 05 13 16-0191	EA		250 To 350 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	2,404.22	647.41
26 05 13 16-0192	EA		400 To 700 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	3,816.24	734.03
26 05 13 16-0193	EA		750 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	6,409.10	856.43
26 05 13 16-0194	EA		1,000 MCM, Two Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	11,961.85	1,284.49
<b>26 05 13 16-0195</b>			<b>Three Conductor Pothead (26 05 13 16-0169)</b>		
Note: Includes 5 KV pothead.					
26 05 13 16-0196	EA		#6 To 4/0 AWG, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	8,007.90	739.90
26 05 13 16-0197	EA		250 To 500 MCM, Three Conductors, 5 KV Pothead (Included) Medium Voltage To 5 KV .....	8,736.98	863.21
<b>26 05 13 16-0198</b>			<b>Copper Cable Splice, Crimp Compression Connection (26 05 13 16-0169)</b>		
Note: For bare wire.					
26 05 13 16-0199	EA		#6 AWG Crimp Compression Connection For Bare Copper Wire .....	98.33	
26 05 13 16-0200	EA		#4 AWG Crimp Compression Connection For Bare Copper Wire .....	109.20	
26 05 13 16-0201	EA		#3 AWG Crimp Compression Connection For Bare Copper Wire .....	127.28	
26 05 13 16-0202	EA		#2 AWG Crimp Compression Connection For Bare Copper Wire .....	143.63	
26 05 13 16-0203	EA		#1 AWG Crimp Compression Connection For Bare Copper Wire .....	162.42	
26 05 13 16-0204	EA		1/0 AWG Crimp Compression Connection For Bare Copper Wire .....	180.25	
26 05 13 16-0205	EA		2/0 AWG Crimp Compression Connection For Bare Copper Wire .....	197.67	
26 05 13 16-0206	EA		3/0 AWG Crimp Compression Connection For Bare Copper Wire .....	216.75	
26 05 13 16-0207	EA		4/0 AWG Crimp Compression Connection For Bare Copper Wire .....	234.83	
26 05 13 16-0208	EA		250 MCM Crimp Compression Connection For Bare Copper Wire .....	253.66	
26 05 13 16-0209	EA		300 MCM Crimp Compression Connection For Bare Copper Wire .....	273.44	
26 05 13 16-0210	EA		350 MCM Crimp Compression Connection For Bare Copper Wire .....	290.94	
26 05 13 16-0211	EA		400 MCM Crimp Compression Connection For Bare Copper Wire .....	329.91	
26 05 13 16-0212	EA		500 MCM Crimp Compression Connection For Bare Copper Wire .....	371.17	
<b>26 05 13 16-0213</b>			<b>Aluminum Cable Splice, Crimp Compression Connection (26 05 13 16-0169)</b>		
Note: For bare wire.					
26 05 13 16-0214	EA		#6 AWG Crimp Compression Connection For Bare Aluminum Wire .....	102.76	
26 05 13 16-0215	EA		#4 AWG Crimp Compression Connection For Bare Aluminum Wire .....	111.64	
26 05 13 16-0216	EA		#2 AWG Crimp Compression Connection For Bare Aluminum Wire .....	151.69	
26 05 13 16-0217	EA		#1 AWG Crimp Compression Connection For Bare Aluminum Wire .....	182.93	
26 05 13 16-0218	EA		1/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	199.60	
26 05 13 16-0219	EA		2/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....	216.15	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 13 Medium-Voltage Cables**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 13 16-0220	EA	3/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....		238.21	
26 05 13 16-0221	EA	4/0 AWG Crimp Compression Connection For Bare Aluminum Wire .....		257.53	
26 05 13 16-0222	EA	250 MCM Crimp Compression Connection For Bare Aluminum Wire.....		275.82	
26 05 13 16-0223	EA	300 MCM Crimp Compression Connection For Bare Aluminum Wire.....		295.10	
26 05 13 16-0224	EA	350 MCM Crimp Compression Connection For Bare Aluminum Wire.....		313.68	
26 05 13 16-0225	EA	400 MCM Crimp Compression Connection For Bare Aluminum Wire.....		362.49	
26 05 13 16-0226	EA	500 MCM Crimp Compression Connection For Bare Aluminum Wire.....		411.81	
26 05 13 16-0227		<b>15 KV</b> <small>(26 05 13 16-0168)</small>			
26 05 13 16-0228		<b>Single Conductor Pothead On Racks</b> <small>(26 05 13 16-0227)</small>			
		Note: Includes pothead.			
26 05 13 16-0229	EA	#2 To 4/0 AWG, Single Conductor, 15 KV Pothead (Included), On Racks .....		2,145.36	647.41
26 05 13 16-0230	EA	250 To 500 MCM, Single Conductor, 15 KV Pothead (Included), On Racks .....		2,746.70	801.55
26 05 13 16-0231		<b>Two Conductor Pothead On Rack</b> <small>(26 05 13 16-0227)</small>			
		Note: Includes pothead.			
26 05 13 16-0232	EA	#2 To 4/0 AWG, Two Conductors, 15 KV Pothead (Included), On Racks.....		3,137.20	986.52
26 05 13 16-0233	EA	250 To 500 MCM, Two Conductors, 15 KV Pothead (Included), On Racks.....		3,784.20	1,171.50
26 05 13 16-0234		<b>Three Conductor Pothead On Rack</b> <small>(26 05 13 16-0227)</small>			
		Note: Includes pothead.			
26 05 13 16-0235	EA	#2 To 4/0 AWG, Three Conductors, 15 KV Pothead (Included), On Racks .....		3,992.65	1,279.41
26 05 13 16-0236	EA	250 To 500 MCM, Three Conductors, 15 KV Pothead (Included), On Racks .....		4,970.86	1,603.11
26 05 13 16-0237		<b>Stress Relief Cone On Rack</b> <small>(26 05 13 16-0227)</small>			
26 05 13 16-0238	EA	#2 To 4/0 AWG Stress Relief Cone, On Rack .....		1,995.65	647.41
26 05 13 16-0239	EA	250 To 500 MCM Stress Relief Cone, On Rack .....		2,578.38	801.55
26 05 13 16-0240		<b>Grounded, Shielded Cable Splice</b> <small>(26 05 13 16-0227)</small>			
26 05 13 16-0241	EA	#2 To 4/0 AWG Cable Splice, Grounded, Shielded, 15 KV.....		1,355.64	477.85
26 05 13 16-0242	EA	250 To 500 MCM Cable Splice, Grounded, Shielded, 15 KV.....		1,734.48	616.58
26 05 13 16-0243	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE 2-Way .....		9,047.73	1,695.59
26 05 13 16-0244	EA	3/0 To 500 MCM 15 KV Splice Kit, Cable Splice, Grounded, Shielded, Universal Mechanical Type CE - CE - CE 3-Way .....		11,802.00	1,849.73
26 05 13 16-0245		<b>Cable Termination</b> <small>(26 05 13 16-0227)</small>			
26 05 13 16-0246	EA	#2 To 3/0 AWG Cable Termination 15 KV .....		925.93	269.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		161.85	
26 05 13 16-0247	EA	4/0 To 250 MCM Cable Termination 15 KV .....		1,166.44	346.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		208.10	
26 05 13 16-0248	EA	350 To 500 MCM Cable Termination 15 KV .....		1,449.50	423.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		254.34	
26 05 13 16-0249	EA	#2 To 3/0 AWG Cable Elbow Termination 15 KV .....		599.78	154.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		92.49	
26 05 13 16-0250		<b>Stress Cones, 5-15 KV, 4 Skirted</b> <small>(26 05 13 16-0227)</small>			
26 05 13 16-0251	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....		1,262.94	200.39
26 05 13 16-0252	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 4 Skirted.....		1,442.51	221.48
26 05 13 16-0253	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 4 Skirted.....		1,724.77	242.38
26 05 13 16-0254	EA	400 To 500 MCM Stress Cones, 5-15 KV, 4 Skirted.....		2,236.64	279.25
26 05 13 16-0255		<b>Stress Cones, 5-15 KV, 6 Skirted</b> <small>(26 05 13 16-0227)</small>			
26 05 13 16-0256	EA	#4 To 1/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....		2,525.91	401.46
26 05 13 16-0257	EA	2/0 To 3/0 AWG Stress Cones, 5-15 KV, 6 Skirted.....		2,885.41	442.95
26 05 13 16-0258	EA	4/0 To 350 MCM Stress Cones, 5-15 KV, 6 Skirted.....		3,431.55	475.75
26 05 13 16-0259	EA	400 To 500 MCM Stress Cones, 5-15 KV, 6 Skirted.....		4,473.27	558.50
26 05 13 16-0260		<b>35 KV</b> <small>(26 05 13 16-0168)</small>			
26 05 13 16-0261		<b>35 KV One Conductor Splice</b> <small>(26 05 13 16-0260)</small>			
26 05 13 16-0262	EA	#1 Stranded To 4/0 Stranded, 35 KV, Cable Splicing .....		3,394.04	
26 05 13 16-0263		<b>Cable Termination</b> <small>(26 05 13 16-0260)</small>			
26 05 13 16-0264	EA	#2 To 3/0 AWG Cable Termination, 35 KV .....		836.53	185.13
26 05 13 16-0265	EA	3/0 AWG To 250 MCM, 35 KV, Cable Termination.....		1,129.06	279.31
26 05 13 16-0266	EA	350 To 500 MCM Cable Termination 35 KV .....		1,323.60	298.73
26 05 13 16-0267	EA	#2 To 3/0 AWG Cable Elbow Termination 35 KV .....		660.06	154.14
26 05 13 16-0268		<b>70 KV</b> <small>(26 05 13 16-0168)</small>			
26 05 13 16-0269		<b>Cable Splice</b> <small>(26 05 13 16-0268)</small>			
26 05 13 16-0270	EA	350 MCM, 70 KV, Cable Splicing.....		20,512.93	
26 05 13 16-0271	EA	#2 To 4/0, 70 KV, Cable Splicing .....		3,545.49	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 05 19 Low-Voltage Electrical Power Conductors and Cables** (26 05)

**26 05 19 13 Undercarpet Electrical Power Cables** (26 05 19)

**26 05 19 13-0001 Under Carpet Power System** (26 05 19 13)

Note: Includes laying out, floor prep, taping, drill floor, folds, identifying, tagging and testing

26 05 19 13-0002	LF	3-Conductor, #12 Flat Cable With Attached Bottom Shield .....	6.74	0.70
26 05 19 13-0003	LF	Steel, Top Shield .....	15.66	0.70
26 05 19 13-0004	EA	3-Conductor, Splice .....	41.16	11.97
26 05 19 13-0005	EA	Splice Top Shield For 3 Conductor .....	12.68	5.64
26 05 19 13-0006	EA	3-Conductor, Tap .....	51.02	14.08
26 05 19 13-0007	EA	Insulating Patch, Splice Tap And End .....	75.91	11.97
26 05 19 13-0008	EA	3-Conductor, Transition Block Assembly .....	49.24	7.04
26 05 19 13-0009	EA	Single, Direct Connected, Receptacle With Box .....	149.01	22.53
26 05 19 13-0010	EA	Dual, Direct Connected, Receptacle With Box .....	247.46	35.21
26 05 19 13-0011	EA	Floor Mounted Box With Cover .....	244.07	28.16
26 05 19 13-0012	LF	5-Conductor, #12 Cable With Attached Bottom Shield .....	10.57	0.70
26 05 19 13-0013	LF	Steel, Top Shield For 5-Conductor Cable .....	10.49	0.70
26 05 19 13-0014	EA	5-Conductor, Splice .....	41.66	11.97
26 05 19 13-0015	EA	5-Conductor, Transition Block Assembly .....	64.32	7.04
26 05 19 13-0016	EA	Box, Wall, Flush With Cover .....	115.23	28.16
26 05 19 13-0017	EA	Telephone, Transition Fitting Wall Box .....	77.65	23.24
26 05 19 13-0018	EA	RJ-45, Telephone Fitting With Duplex Jack And Cover .....	100.80	26.76
26 05 19 13-0019	EA	Miniature Telephone With Duplex RJ-45 .....	43.03	10.56
26 05 19 13-0020	LF	4-Pair, Level 5, Under Carpet Telephone Wire .....	2.52	0.70
26 05 19 13-0021	EA	BNC, Coax Plug, Connector .....	36.39	14.08
26 05 19 13-0022	EA	TNC, Coax Plug, Connector .....	36.39	14.08
26 05 19 13-0023	CLF	Under Carpet Power System; Flat RG A/U 59, 75 Ohm, RG A/U 62, 93 Ohm, RG A/U 58, 50 Ohm .....	190.04	70.41

**26 05 19 16 Low-Voltage, Single-and Multi-Conductor Cables** (26 05 19)

**26 05 19 16-0001 Cable Installation Methods** (26 05 19 16)

**26 05 19 16-0002 Pull Cord** (26 05 19 16-0001)

Note: Left in conduit for others to pull cable. Not to be used when contractor has priced new wire in a conduit. Priced when owner wants a pull cord left in a conduit for owner to pull wire at a later time.

26 05 19 16-0003	LF	Pull String Installed To Remain In Place, In Existing Conduit .....	0.48	
26 05 19 16-0004	LF	Pull String Installed To Remain In Place, In New Conduits .....	0.25	
26 05 19 16-0005	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In Existing Conduit .....	0.80	
26 05 19 16-0006	LF	1/4" Nylon Pull Cord Installed To Remain In Place, In New Conduits .....	0.49	

**26 05 19 16-0007 Bore Conduit Into Dirt Or Sand** (26 05 19 16-0001)

Note: For installation under roads, driveways or other structures up to 20'.

26 05 19 16-0008	LF	Bore 1" To 4" Conduit Into Dirt Or Sand .....	4.32	
26 05 19 16-0009	LF	Bore 5" To 8" Conduit Into Dirt Or Sand .....	5.50	

**26 05 19 16-0010 Wire and Cable** (26 05 19 16)

Note: Pulled in conduit except as noted. Includes pull wires, pulling branch circuit conductors, splicing (#8 and lighter), identifying, tagging and testing. All conductors are copper except as otherwise noted. No special set-up is required. For tasks installed in conduit, tasks exclude conduit. Excludes terminations. See CSI section 26 05 33 13-0058 for various conduit types.

**26 05 19 16-0011 600 Volt Wire** (26 05 19 16-0010)

**26 05 19 16-0012 Single Solid Conductor, Copper** (26 05 19 16-0011)

26 05 19 16-0013	MLF	#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	811.29	341.78
26 05 19 16-0014	MLF	#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	1,005.89	402.05
26 05 19 16-0015	MLF	#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	1,228.80	491.61
26 05 19 16-0016	MLF	#14 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	1,026.25	341.78
26 05 19 16-0017	MLF	#12 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	1,231.13	402.05
26 05 19 16-0018	MLF	#10 AWG, Type XHHW, 600 Volt, Copper, Single Solid Cable, Installed In Conduit .....	1,462.36	491.61

**26 05 19 16-0019 Power Cable, Stranded Conductor, Copper** (26 05 19 16-0011)

**26 05 19 16-0020 Power Cable, Stranded, Single Conductor, XHHW-2** (26 05 19 16-0019)

26 05 19 16-0021	MLF	#16 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	841.93	281.64
26 05 19 16-0022	MLF	#14 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	997.31	337.97
26 05 19 16-0023	MLF	#12 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	1,214.21	394.30
26 05 19 16-0024	MLF	#10 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	1,472.62	450.64
26 05 19 16-0025	MLF	#8 AWG, XLP (XHHW-2), 600 Volt, Copper, Single Stranded, Power Cable, Installed In Conduit .....	1,939.73	563.30
26 05 19 16-0026	MLF	#6 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	2,568.64	675.95
26 05 19 16-0027	MLF	#4 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	3,467.46	844.94
26 05 19 16-0028	MLF	#3 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	4,076.91	957.60
26 05 19 16-0029	MLF	#2 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	4,788.59	1,070.26
26 05 19 16-0030	MLF	#1 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	5,848.60	1,182.91
26 05 19 16-0031	MLF	1/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	6,975.99	1,351.91
26 05 19 16-0032	MLF	2/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	8,296.56	1,520.90
26 05 19 16-0033	MLF	3/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	9,851.11	1,689.88
26 05 19 16-0034	MLF	4/0 AWG, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	11,703.75	1,858.87
26 05 19 16-0035	MLF	250 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	12,438.48	2,027.86
26 05 19 16-0036	MLF	300 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit .....	14,622.35	2,196.85

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 19 16-0037	MLF	350 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	15,612.30	2,365.84
26 05 19 16-0038	MLF	400 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	17,395.43	2,534.82
26 05 19 16-0039	MLF	500 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	20,002.10	2,703.81
26 05 19 16-0040	MLF	600 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	22,922.86	2,929.13
26 05 19 16-0041	MLF	750 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	34,122.45	3,267.11
26 05 19 16-0042	MLF	1,000 MCM, XLP (XHHW-2), 600 Volt Copper, Single Stranded, Power Cable, Installed In Conduit.....	47,656.12	3,830.40

**26 05 19 16-0043 Power Cable, Stranded, Multi Conductor, XHHW-2 (26 05 19 16-0019)**

26 05 19 16-0044	MLF	2 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	1,994.63	675.81
26 05 19 16-0045	MLF	3 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,428.66	788.75
26 05 19 16-0046	MLF	4 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,003.64	957.60
26 05 19 16-0047	MLF	6 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,518.36	1,041.67
26 05 19 16-0048	MLF	7 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,812.38	1,098.28
26 05 19 16-0049	MLF	9 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,398.29	1,210.80
26 05 19 16-0050	MLF	10 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,307.36	1,262.06
26 05 19 16-0051	MLF	12 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,278.74	1,380.07
26 05 19 16-0052	MLF	14 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,795.26	1,464.85
26 05 19 16-0053	MLF	24 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,304.53	1,859.01
26 05 19 16-0054	MLF	37 Conductors, #14 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	12,538.30	2,760.14
26 05 19 16-0055	MLF	2 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	2,428.77	788.75
26 05 19 16-0056	MLF	3 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,079.50	957.60
26 05 19 16-0057	MLF	4 Conductors, #12 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,730.28	1,126.58
26 05 19 16-0058	MLF	2 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,225.83	1,013.51
26 05 19 16-0059	MLF	3 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,133.59	1,238.12
26 05 19 16-0060	MLF	4 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	5,327.90	1,577.51
26 05 19 16-0061	MLF	6 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	7,147.65	2,028.57
26 05 19 16-0062	MLF	9 Conductors, #10 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,592.56	2,591.29
26 05 19 16-0063	MLF	2 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	3,949.88	1,154.75
26 05 19 16-0064	MLF	3 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,974.24	1,351.91
26 05 19 16-0065	MLF	4 Conductors, #8 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,421.10	1,718.05
26 05 19 16-0066	MLF	2 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	4,996.59	1,295.58
26 05 19 16-0067	MLF	3 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,649.74	1,605.39
26 05 19 16-0068	MLF	4 Conductors, #6 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,464.97	1,979.98
26 05 19 16-0069	MLF	2 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	6,639.78	1,571.87
26 05 19 16-0070	MLF	3 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	8,560.10	1,797.90
26 05 19 16-0071	MLF	4 Conductors, #4 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,029.29	2,243.60
26 05 19 16-0072	MLF	2 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	9,012.43	1,914.64
26 05 19 16-0073	MLF	3 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	11,691.47	2,141.08
26 05 19 16-0074	MLF	4 Conductors, #2 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	15,492.91	2,816.48
26 05 19 16-0075	MLF	3 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	15,432.30	2,703.39
26 05 19 16-0076	MLF	4 Conductors, #1 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	20,011.01	3,378.36
26 05 19 16-0077	MLF	3 Conductors, 1/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	18,112.77	2,929.70
26 05 19 16-0078	MLF	3 Conductors, 2/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	21,928.77	3,378.36
26 05 19 16-0079	MLF	3 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	26,732.60	3,941.37
26 05 19 16-0080	MLF	4 Conductors, 3/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	35,174.25	5,067.54
26 05 19 16-0081	MLF	3 Conductors, 4/0 AWG, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	32,445.28	4,510.16
26 05 19 16-0082	MLF	3 Conductors, 250 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	34,775.13	5,067.54
26 05 19 16-0083	MLF	3 Conductors, 350 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	43,175.42	5,632.94
26 05 19 16-0084	MLF	3 Conductors, 500 MCM, 600 Volt, XLP (XHHW-2), Copper, Stranded, Power Cable, Installed In Conduit.....	55,204.93	6,190.89

**26 05 19 16-0085 Underground Feeder And Branch Circuit Suitable, Single Stranded Copper**

(26 05 19 16-0011)

Note: Direct bury.

26 05 19 16-0086	MLF	#14 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,174.09	
26 05 19 16-0087	MLF	#12 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,380.31	
26 05 19 16-0088	MLF	#10 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,711.76	
26 05 19 16-0089	MLF	#8 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,239.61	
26 05 19 16-0090	MLF	#6 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,086.78	
26 05 19 16-0091	MLF	#4 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,046.71	
26 05 19 16-0092	MLF	#2 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,784.33	
26 05 19 16-0093	MLF	#1 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,130.33	
26 05 19 16-0094	MLF	1/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,702.53	
26 05 19 16-0095	MLF	2/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,493.07	
26 05 19 16-0096	MLF	3/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,585.74	
26 05 19 16-0097	MLF	4/0 AWG, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	14,195.39	
26 05 19 16-0098	MLF	250 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,378.98	
26 05 19 16-0099	MLF	300 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,309.61	
26 05 19 16-0100	MLF	350 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	20,430.95	
26 05 19 16-0101	MLF	400 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,899.53	
26 05 19 16-0102	MLF	500 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	26,989.88	
26 05 19 16-0103	MLF	600 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	31,784.36	
26 05 19 16-0104	MLF	750 MCM, Type USE, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	49,862.25	
26 05 19 16-0105	MLF	#14 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	991.14	
26 05 19 16-0106	MLF	#12 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,181.45	
26 05 19 16-0107	MLF	#10 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,401.11	
26 05 19 16-0108	MLF	#8 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,725.24	
26 05 19 16-0109	MLF	#6 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,188.51	
26 05 19 16-0110	MLF	#4 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,876.45	
26 05 19 16-0111	MLF	#2 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,857.18	
26 05 19 16-0112	MLF	#1 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,511.44	
26 05 19 16-0113	MLF	1/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,114.84	
26 05 19 16-0114	MLF	2/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,763.00	
26 05 19 16-0115	MLF	3/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,648.40	
26 05 19 16-0116	MLF	4/0 AWG, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,696.69	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0117	MLF 250 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,679.70	
26 05 19 16-0118	MLF 300 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,710.75	
26 05 19 16-0119	MLF 350 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,820.81	
26 05 19 16-0120	MLF 400 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	11,965.22	
26 05 19 16-0121	MLF 500 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,780.11	
26 05 19 16-0122	MLF 750 MCM, XLP (XHHW), 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,258.51	
26 05 19 16-0123	MLF #14 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	827.82	
26 05 19 16-0124	MLF #12 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,021.92	
26 05 19 16-0125	MLF #10 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,251.63	
26 05 19 16-0126	MLF #8 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	1,730.21	
26 05 19 16-0127	MLF #6 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	2,314.23	
26 05 19 16-0128	MLF #4 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	3,009.97	
26 05 19 16-0129	MLF #2 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	4,249.83	
26 05 19 16-0130	MLF #1 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,022.60	
26 05 19 16-0131	MLF 1/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	5,839.75	
26 05 19 16-0132	MLF 2/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,597.07	
26 05 19 16-0133	MLF 3/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	7,748.46	
26 05 19 16-0134	MLF 4/0 AWG, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,169.94	
26 05 19 16-0135	MLF 250 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,700.01	
26 05 19 16-0136	MLF 300 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,290.20	
26 05 19 16-0137	MLF 350 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	13,992.32	
26 05 19 16-0138	MLF 400 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	15,637.98	
26 05 19 16-0139	MLF 500 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,420.11	
26 05 19 16-0140	MLF 600 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,020.33	
26 05 19 16-0141	MLF 750 MCM, Type THHN-THWN, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	34,053.17	
26 05 19 16-0142	MLF #2 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	6,071.95	
26 05 19 16-0143	MLF 1/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	8,599.25	
26 05 19 16-0144	MLF 2/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	9,560.30	
26 05 19 16-0145	MLF 3/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	10,834.91	
26 05 19 16-0146	MLF 4/0 AWG, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,029.46	
26 05 19 16-0147	MLF 250 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	12,979.53	
26 05 19 16-0148	MLF 350 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	18,264.04	
26 05 19 16-0149	MLF 400 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	19,831.66	
26 05 19 16-0150	MLF 500 MCM, Type EPR, 600 Volt, Underground Feeder And Branch Circuits, Single Stranded Copper Cable.....	22,498.13	

**26 05 19 16-0151 600 Volt, Armored Cable, Copper Conductors** (26 05 19 16-0011)

**26 05 19 16-0152 ACTHH, Solid** (26 05 19 16-0151)

26 05 19 16-0153	MLF 1 Conductor, #8 AWG, Type ACT, Solid, Armored Cable.....	3,209.26	924.87
26 05 19 16-0154	MLF 1 Conductor, #6 AWG, Type ACT, Solid, Armored Cable.....	3,696.95	1,048.18
26 05 19 16-0155	MLF 1 Conductor, #4 AWG, Type ACT, Solid, Armored Cable.....	4,209.07	1,109.84
26 05 19 16-0156	MLF 2 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	4,677.37	1,541.45
26 05 19 16-0157	MLF 2 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	5,029.11	1,726.11
26 05 19 16-0158	MLF 2 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	6,302.47	1,912.48
26 05 19 16-0159	MLF 2 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	8,142.19	2,097.14
26 05 19 16-0160	MLF 3 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	5,623.25	1,726.11
26 05 19 16-0161	MLF 3 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	5,915.75	1,912.48
26 05 19 16-0162	MLF 3 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	7,496.72	2,158.95
26 05 19 16-0163	MLF 3 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	9,628.82	2,342.69
26 05 19 16-0164	MLF 4 Conductors, #14 AWG, Type ACTHH, Solid, Armored Cable.....	6,670.71	1,912.48
26 05 19 16-0165	MLF 4 Conductors, #12 AWG, Type ACTHH, Solid, Armored Cable.....	7,324.66	2,158.95
26 05 19 16-0166	MLF 4 Conductors, #10 AWG, Type ACTHH, Solid, Armored Cable.....	9,239.18	2,404.81
26 05 19 16-0167	MLF 4 Conductors, #8 AWG, Type ACTHH, Solid, Armored Cable.....	11,859.67	2,590.71

**26 05 19 16-0168 ACTHH, Stranded** (26 05 19 16-0151)

26 05 19 16-0169	MLF 2 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	8,451.94	2,221.07
26 05 19 16-0170	MLF 2 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	10,266.34	2,526.90
26 05 19 16-0171	MLF 3 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	9,938.05	2,466.31
26 05 19 16-0172	MLF 3 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	12,393.15	2,772.45
26 05 19 16-0173	MLF 3 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	15,590.15	3,082.90
26 05 19 16-0174	MLF 3 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	17,889.77	3,387.79
26 05 19 16-0175	MLF 3 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	20,459.35	3,696.55
26 05 19 16-0176	MLF 4 Conductors, #8 AWG, Type ACTHH, Stranded, Armored Cable.....	12,779.57	2,958.65
26 05 19 16-0177	MLF 4 Conductors, #6 AWG, Type ACTHH, Stranded, Armored Cable.....	15,403.75	3,265.71
26 05 19 16-0178	MLF 4 Conductors, #4 AWG, Type ACTHH, Stranded, Armored Cable.....	19,680.76	3,576.46
26 05 19 16-0179	MLF 4 Conductors, #3 AWG, Type ACTHH, Stranded, Armored Cable.....	21,560.49	3,882.75
26 05 19 16-0180	MLF 4 Conductors, #2 AWG, Type ACTHH, Stranded, Armored Cable.....	25,490.89	4,188.73

**26 05 19 16-0181 HCFC, Solid** (26 05 19 16-0151)



**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 19 16-0182	MLF 2 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	5,194.79	1,541.45
26 05 19 16-0183	MLF 2 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	5,697.45	1,731.97
26 05 19 16-0184	MLF 2 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	6,361.18	1,903.07
26 05 19 16-0185	MLF 3 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	6,267.65	1,731.97
26 05 19 16-0186	MLF 3 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	6,734.29	1,903.07
26 05 19 16-0187	MLF 3 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	8,738.66	2,171.13
26 05 19 16-0188	MLF 4 Conductors, #14 AWG, Type HCF, Solid, Armored Cable.....	7,652.14	1,903.07
26 05 19 16-0189	MLF 4 Conductors, #12 AWG, Type HCF, Solid, Armored Cable.....	8,380.72	2,171.13
26 05 19 16-0190	MLF 4 Conductors, #10 AWG, Type HCF, Solid, Armored Cable.....	11,335.47	2,408.51
<b>26 05 19 16-0191</b>	<b>MC, Solid Or Stranded, Galvanized Steel Armor</b> <small>(26 05 19 16-0151)</small>		
26 05 19 16-0192	MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	4,652.12	1,541.45
26 05 19 16-0193	MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,198.37	1,731.97
26 05 19 16-0194	MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,209.75	1,903.07
26 05 19 16-0195	MLF 2 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,854.18	2,033.63
26 05 19 16-0196	MLF 2 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	9,697.30	2,155.87
26 05 19 16-0197	MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	5,362.64	1,731.97
26 05 19 16-0198	MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,039.41	1,903.07
26 05 19 16-0199	MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,620.84	2,171.13
26 05 19 16-0200	MLF 3 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	9,800.08	2,342.69
26 05 19 16-0201	MLF 3 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	11,415.02	2,526.90
26 05 19 16-0202	MLF 3 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	14,037.04	2,713.88
26 05 19 16-0203	MLF 3 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	19,233.60	2,897.45
26 05 19 16-0204	MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	6,194.85	1,903.07
26 05 19 16-0205	MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	7,094.90	2,171.13
26 05 19 16-0206	MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	10,536.13	2,408.51
26 05 19 16-0207	MLF 4 Conductors, #8 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	14,161.43	2,653.14
26 05 19 16-0208	MLF 4 Conductors, #6 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	17,223.39	2,838.73
26 05 19 16-0209	MLF 4 Conductors, #4 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	22,577.01	3,022.47
26 05 19 16-0210	MLF 4 Conductors, #2 AWG, Type MC, Solid Or Stranded, Galvanized Steel Armored Cable.....	29,022.08	3,204.67
<b>26 05 19 16-0211</b>	<b>MC, Solid Or Stranded, Aluminum Armor</b> <small>(26 05 19 16-0151)</small>		
26 05 19 16-0212	MLF 2 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	4,616.77	1,541.45
26 05 19 16-0213	MLF 2 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	5,106.72	1,731.97
26 05 19 16-0214	MLF 2 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	6,128.69	1,903.07
26 05 19 16-0215	MLF 3 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	5,510.26	1,731.97
26 05 19 16-0216	MLF 3 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	5,957.97	1,903.07
26 05 19 16-0217	MLF 3 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	7,556.44	2,171.13
26 05 19 16-0218	MLF 4 Conductors, #14 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	6,896.67	1,903.07
26 05 19 16-0219	MLF 4 Conductors, #12 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	7,603.56	2,171.13
26 05 19 16-0220	MLF 4 Conductors, #10 AWG, Type MC, Solid Or Stranded, Aluminum Armored Cable.....	10,536.13	2,408.51
<b>26 05 19 16-0221</b>	<b>FPLP Solid TFN Red Armored Cable</b> <small>(26 05 19 16-0151)</small>		
Note: Color coded red.			
26 05 19 16-0222	MLF #18/2 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	4,664.87	1,171.50
26 05 19 16-0223	MLF #18/4 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	5,303.21	1,356.48
26 05 19 16-0224	MLF #18/6 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	6,543.16	1,541.45
26 05 19 16-0225	MLF #18/8 With Bare #18 Ground Type TFN FPLP Red Armored Cable.....	7,495.82	1,726.42
26 05 19 16-0226	MLF #16/2 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	5,314.66	1,356.48
26 05 19 16-0227	MLF #16/4 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	6,268.37	1,541.45
26 05 19 16-0228	MLF #16/6 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	7,825.77	1,726.42
26 05 19 16-0229	MLF #16/8 With Bare #16 Ground Type TFN FPLP Red Armored Cable.....	8,890.86	1,911.39
<b>26 05 19 16-0230</b>	<b>FPLP Solid THHN Red Armored Cable</b> <small>(26 05 19 16-0151)</small>		
Note: Color coded red.			
26 05 19 16-0231	MLF #14/2 With #14 Ground Type THHN FPLP Red Armored Cable.....	5,911.36	1,541.45
26 05 19 16-0232	MLF #14/4 With #14 Ground Type THHN FPLP Red Armored Cable.....	7,299.10	1,726.42
26 05 19 16-0233	MLF #14/6 With #14 Ground Type THHN FPLP Red Armored Cable.....	9,626.73	1,911.39
26 05 19 16-0234	MLF #14/8 With #14 Ground Type THHN FPLP Red Armored Cable.....	11,135.21	2,096.37
26 05 19 16-0235	MLF #12/2 With #12 Ground Type THHN FPLP Red Armored Cable.....	7,409.43	1,726.42
26 05 19 16-0236	MLF #12/4 With #12 Ground Type THHN FPLP Red Armored Cable.....	9,022.00	1,911.39
<b>26 05 19 16-0237</b>	<b>FPLP Twisted Shielded Pair Red Armored Cable</b> <small>(26 05 19 16-0151)</small>		
Note: Color coded red.			
26 05 19 16-0238	MLF #18/2 With #18 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	5,039.58	1,171.50
26 05 19 16-0239	MLF #18/2 With #18 Tinned Ground And #14/2 With #14 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	8,042.26	1,726.42
26 05 19 16-0240	MLF #16/2 With #16 Tinned Ground FPLP Twisted Shielded Pair Red Armored Cable.....	6,179.60	1,356.48
26 05 19 16-0241	MLF #16/4 With Two #16 Tinned Grounds FPLP Twisted Shielded Pair Red Armored Cable.....	7,286.32	1,541.45
26 05 19 16-0242	MLF #16/2 With #16 Tinned Ground And #12/2 With #12 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	10,081.58	1,911.39
26 05 19 16-0243	MLF #14/2 With One #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	7,241.66	1,603.11
26 05 19 16-0244	MLF #14/4 With Two #16 Tinned Ground And One #14 Ground FPLP Twisted Shielded Pair Red Armored Cable.....	8,917.81	1,849.73
<b>26 05 19 16-0245</b>	<b>Armored Cable Connectors</b> <small>(26 05 19 16-0151)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0246	EA		3/4" Armored Cable Connector.....	9.22	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
			<i>For Elevated Installation &gt;40', Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 19 16-0247	EA		1" Armored Cable Connector.....	12.31	4.50
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.63	
			<i>For Elevated Installation &gt;40', Add</i>	6.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 19 16-0248	EA		1-1/4" Armored Cable Connector.....	15.46	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.04	
			<i>For Elevated Installation &gt;40', Add</i>	7.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
<b>26 05 19 16-0249</b>			<b>600 Volt, Feeder Wire, Single Stranded Copper</b> <small>(26 05 19 16-0011)</small>		
26 05 19 16-0250	MLF		#14 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,092.02	225.74
			<i>For EPR Insulation, Add</i>	37.06	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	86.48	
26 05 19 16-0251	MLF		#12 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,237.63	249.96
			<i>For EPR Insulation, Add</i>	37.78	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	88.15	
26 05 19 16-0252	MLF		#10 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,494.31	312.49
			<i>For EPR Insulation, Add</i>	55.16	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	128.71	
26 05 19 16-0253	MLF		#8 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,012.79	497.11
			<i>For EPR Insulation, Add</i>	90.68	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	211.59	
26 05 19 16-0254	MLF		#6 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,705.76	596.53
			<i>For EPR Insulation, Add</i>	152.38	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	355.56	
26 05 19 16-0255	MLF		#4 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,649.24	692.57
			<i>For EPR Insulation, Add</i>	230.53	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	537.91	
26 05 19 16-0256	MLF		#3 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,160.27	792.69
			<i>For EPR Insulation, Add</i>	264.94	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	618.19	
26 05 19 16-0257	MLF		#2 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,171.78	892.82
			<i>For EPR Insulation, Add</i>	374.42	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	873.64	
26 05 19 16-0258	MLF		#1 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,329.96	994.36
			<i>For EPR Insulation, Add</i>	505.90	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,180.43	
26 05 19 16-0259	MLF		1/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,592.00	1,121.80
			<i>For EPR Insulation, Add</i>	631.84	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,474.28	
26 05 19 16-0260	MLF		2/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	9,097.12	1,244.04
			<i>For EPR Insulation, Add</i>	794.23	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	1,853.21	
26 05 19 16-0261	MLF		3/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,841.31	1,388.80
			<i>For EPR Insulation, Add</i>	992.49	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,315.81	
26 05 19 16-0262	MLF		4/0 AWG, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	12,203.30	1,544.14
			<i>For EPR Insulation, Add</i>	1,133.42	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,644.64	
26 05 19 16-0263	MLF		250 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,021.59	1,693.54
			<i>For EPR Insulation, Add</i>	1,192.79	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	2,783.18	
26 05 19 16-0264	MLF		300 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,259.79	1,861.69
			<i>For EPR Insulation, Add</i>	1,465.15	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,418.68	
26 05 19 16-0265	MLF		350 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	16,976.90	1,973.64
			<i>For EPR Insulation, Add</i>	1,659.35	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	3,871.81	
26 05 19 16-0266	MLF		400 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	18,958.60	2,205.86
			<i>For EPR Insulation, Add</i>	1,893.23	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	4,417.54	
26 05 19 16-0267	MLF		500 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	21,559.50	2,453.29
			<i>For EPR Insulation, Add</i>	2,220.00	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	5,179.99	
26 05 19 16-0268	MLF		600 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	25,115.22	2,552.43
			<i>For EPR Insulation, Add</i>	2,668.86	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	6,227.34	

**26 Electrical**  
**26 05 Common Work Results for Electrical**

**26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0269	MLF		750 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	39,941.25	2,651.42
			<i>For EPR Insulation, Add</i>	4,766.02	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	11,120.72	
26 05 19 16-0270	MLF		1,000 MCM, XLPE-USE-RHH-RHW, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	49,956.02	2,833.09
			<i>For EPR Insulation, Add</i>	6,183.74	
			<i>For Chlorosulfonated Polyethylene (CSPE) Synthetic Rubber Jacket, Add</i>	14,428.74	
26 05 19 16-0271	MLF		#16 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,822.13	506.69
26 05 19 16-0272	MLF		#14 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,232.21	563.30
26 05 19 16-0273	MLF		#12 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,781.27	676.52
26 05 19 16-0274	MLF		#10 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,288.99	788.33
26 05 19 16-0275	MLF		#8 AWG, Type SFF-2, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,683.65	844.10
26 05 19 16-0276	MLF		#18 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	643.96	281.64
26 05 19 16-0277	MLF		#16 AWG, Type TFFN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	803.39	309.81
26 05 19 16-0278	MLF		#14 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	821.93	225.88
26 05 19 16-0279	MLF		#12 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,013.50	269.26
26 05 19 16-0280	MLF		#10 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,238.99	338.68
26 05 19 16-0281	MLF		#8 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	1,708.17	446.41
26 05 19 16-0282	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,277.80	539.07
26 05 19 16-0283	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	2,953.81	637.09
26 05 19 16-0284	MLF		#3 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,510.46	721.16
26 05 19 16-0285	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,161.46	807.62
26 05 19 16-0286	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,910.84	911.41
26 05 19 16-0287	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,709.20	998.02
26 05 19 16-0288	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,443.86	1,102.93
26 05 19 16-0289	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,553.84	1,166.58
26 05 19 16-0290	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	8,927.76	1,312.47
26 05 19 16-0291	MLF		250 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	10,405.07	1,396.26
26 05 19 16-0292	MLF		300 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	11,939.66	1,581.31
26 05 19 16-0293	MLF		350 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	13,580.86	1,750.01
26 05 19 16-0294	MLF		400 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	15,168.28	1,797.90
26 05 19 16-0295	MLF		500 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	17,838.02	1,902.11
26 05 19 16-0296	MLF		600 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	21,879.50	2,238.40
26 05 19 16-0297	MLF		750 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	32,793.68	2,651.42
26 05 19 16-0298	MLF		1,000 MCM, Type THHN-THWN, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	39,189.78	3,201.20
26 05 19 16-0299	MLF		#16 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,252.43	676.52
26 05 19 16-0300	MLF		#14 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	3,627.58	788.33
26 05 19 16-0301	MLF		#12 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	4,199.22	901.97
26 05 19 16-0302	MLF		#10 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	5,403.24	1,013.51
26 05 19 16-0303	MLF		#8 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	6,115.20	1,126.58
26 05 19 16-0304	MLF		#6 AWG, Type TGGT High Temperature, 600 Volt, Copper, Single Stranded Cable, Installed In Conduit.....	7,731.52	1,238.12

**26 05 19 16-0305 600 Volt, Feeder Wire, Single Stranded Aluminum** (26 05 19 16-0011)

26 05 19 16-0306	MLF		#6 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,542.43	437.80
26 05 19 16-0307	MLF		#4 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,824.82	509.06
26 05 19 16-0308	MLF		#2 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,383.08	653.46
26 05 19 16-0309	MLF		#1 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,921.81	729.71
26 05 19 16-0310	MLF		1/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,372.58	822.12
26 05 19 16-0311	MLF		2/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,825.06	907.39
26 05 19 16-0312	MLF		3/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,493.89	1,024.04
26 05 19 16-0313	MLF		4/0 AWG, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,973.26	1,129.79
26 05 19 16-0314	MLF		250 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,728.25	1,240.00
26 05 19 16-0315	MLF		300 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,000.03	1,350.66
26 05 19 16-0316	MLF		350 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,331.58	1,459.28
26 05 19 16-0317	MLF		400 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	8,364.16	1,623.12
26 05 19 16-0318	MLF		500 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,217.22	1,786.90
26 05 19 16-0319	MLF		600 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	11,222.01	2,081.54
26 05 19 16-0320	MLF		700 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	12,652.42	2,281.94
26 05 19 16-0321	MLF		750 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	12,934.56	2,366.54
26 05 19 16-0322	MLF		1,000 MCM, Type THHN-THWN, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	17,625.85	2,870.75
26 05 19 16-0323	MLF		#8 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	1,821.83	500.07
26 05 19 16-0324	MLF		#6 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,048.78	563.30
26 05 19 16-0325	MLF		#4 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,521.97	693.00
26 05 19 16-0326	MLF		#2 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,195.50	849.44
26 05 19 16-0327	MLF		#1 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,069.56	999.99
26 05 19 16-0328	MLF		1/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,701.20	1,127.02
26 05 19 16-0329	MLF		2/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,355.39	1,251.78
26 05 19 16-0330	MLF		3/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,179.40	1,365.71
26 05 19 16-0331	MLF		4/0 AWG, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,706.27	1,453.44
26 05 19 16-0332	MLF		250 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	7,638.88	1,555.12
26 05 19 16-0333	MLF		300 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,347.88	1,666.64
26 05 19 16-0334	MLF		350 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	9,767.84	1,800.43
26 05 19 16-0335	MLF		400 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	11,066.22	1,963.36
26 05 19 16-0336	MLF		500 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	12,425.07	2,253.18
26 05 19 16-0337	MLF		600 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	14,533.96	2,371.18
26 05 19 16-0338	MLF		700 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	16,184.38	2,499.90
26 05 19 16-0339	MLF		750 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	16,678.07	2,656.78
26 05 19 16-0340	MLF		1,000 MCM, XHHW, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	24,249.74	3,723.37
26 05 19 16-0341	MLF		#6 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,106.97	563.30
26 05 19 16-0342	MLF		#4 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	2,630.33	692.86
26 05 19 16-0343	MLF		#2 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	3,284.39	850.58
26 05 19 16-0344	MLF		#1 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,142.74	994.36
26 05 19 16-0345	MLF		1/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	4,681.03	1,121.80
26 05 19 16-0346	MLF		2/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	5,306.15	1,244.04
26 05 19 16-0347	MLF		3/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,169.34	1,365.71
26 05 19 16-0348	MLF		4/0 AWG, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit.....	6,747.99	1,453.44

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0349	MLF 250 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	7,678.47	1,554.13
26 05 19 16-0350	MLF 300 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	9,362.45	1,668.76
26 05 19 16-0351	MLF 350 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	9,897.33	1,802.82
26 05 19 16-0352	MLF 400 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	10,966.26	1,958.86
26 05 19 16-0353	MLF 500 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	12,620.23	2,253.18
26 05 19 16-0354	MLF 600 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	14,496.44	2,364.85
26 05 19 16-0355	MLF 700 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	16,111.95	2,499.90
26 05 19 16-0356	MLF 750 MCM, XLPE-USE, 600 Volt, Aluminum, Single Stranded Cable, Installed In Conduit .....	16,723.61	2,648.75

**26 05 19 16-0357 Non-Metallic Sheathed Cable** (26 05 19 16-0011)

**26 05 19 16-0358 Indoor Installation** (26 05 19 16-0357)

Note: For NM, NM-B, NMC-B and NMS-B.

26 05 19 16-0359	MLF #14 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	3,637.12	1,070.12
26 05 19 16-0360	MLF #14 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	4,557.81	1,295.58
26 05 19 16-0361	MLF #14 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	6,659.47	1,433.58
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		537.59	
26 05 19 16-0362	MLF #12 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	4,547.28	1,216.71
26 05 19 16-0363	MLF #12 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	6,516.92	1,351.63
26 05 19 16-0364	MLF #12 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	8,626.82	1,509.63
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		566.11	
26 05 19 16-0365	MLF #10 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	5,671.76	1,352.33
26 05 19 16-0366	MLF #10 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	8,942.28	1,577.51
26 05 19 16-0367	MLF #10 AWG, 4 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	10,654.06	1,802.54
<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>		675.95	
26 05 19 16-0368	MLF #8 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	10,583.96	1,619.47
26 05 19 16-0369	MLF #8 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	13,509.19	1,957.44
26 05 19 16-0370	MLF #6 AWG, 2 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	13,850.74	1,844.79
26 05 19 16-0371	MLF #6 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	18,476.11	2,225.02
26 05 19 16-0372	MLF #4 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	42,508.61	2,450.33
26 05 19 16-0373	MLF #2 AWG, 3 Conductors, 600 Volt, Type NM, Copper, Non-Metallic Sheathed Cable .....	49,577.81	2,661.56

**26 05 19 16-0374 Direct Burial Cable** (26 05 19 16-0357)

Note: Excludes trench and backfill. For NM, NM-B, NMC-B and NMS-B. Copper.

26 05 19 16-0375	MLF #14 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,085.58	
26 05 19 16-0376	MLF #14 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,981.79	
26 05 19 16-0377	MLF #12 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	3,887.76	
26 05 19 16-0378	MLF #12 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	4,843.42	
26 05 19 16-0379	MLF #10 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	4,156.69	
26 05 19 16-0380	MLF #10 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	5,771.68	
26 05 19 16-0381	MLF #8 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	6,057.74	
26 05 19 16-0382	MLF #8 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	7,667.60	
26 05 19 16-0383	MLF #6 AWG, 2 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	7,536.89	
26 05 19 16-0384	MLF #6 AWG, 3 Conductors, 600 Volt, Type UF Copper, Direct Burial Non-Metallic Sheathed Cable, Placed In Trench .....	9,732.28	

**26 05 19 16-0385 SEU Cable Copper, 3 Conductor** (26 05 19 16-0357)

26 05 19 16-0386	MLF 12-12-12 Cable SEU Copper .....	3,955.04	1,356.94
26 05 19 16-0387	MLF 10-10-10 Cable SEU Copper .....	4,859.67	1,541.45
26 05 19 16-0388	MLF 8-8-8 Cable SEU Copper .....	5,923.44	1,726.11
26 05 19 16-0389	MLF 6-6-8 Cable SEU Copper .....	7,003.27	1,850.50
26 05 19 16-0390	MLF 6-6-6 Cable SEU Copper .....	7,483.48	1,912.48
26 05 19 16-0391	MLF 4-4-6 Cable SEU Copper .....	8,972.69	2,097.14
26 05 19 16-0392	MLF 4-4-4 Cable SEU Copper .....	9,603.69	2,158.95
26 05 19 16-0393	MLF 3-3-5 Cable SEU Copper .....	11,072.78	2,342.69
26 05 19 16-0394	MLF 3-3-3 Cable SEU Copper .....	11,747.21	2,466.31
26 05 19 16-0395	MLF 2-2-4 Cable SEU Copper .....	12,521.17	2,590.71
26 05 19 16-0396	MLF 2-2-2 Cable SEU Copper .....	13,351.29	2,713.88
26 05 19 16-0397	MLF 1-1-1 Cable SEU Copper .....	16,190.99	3,082.90
26 05 19 16-0398	MLF 1/0-1/0-1/0 Cable SEU Copper .....	19,133.72	3,456.23
26 05 19 16-0399	MLF 2/0-2/0-2/0 Cable SEU Copper .....	22,870.18	3,892.62
26 05 19 16-0400	MLF 3/0-3/0-3/0 Cable SEU Copper .....	27,292.06	4,329.93
26 05 19 16-0401	MLF 4/0-4/0-4/0 Cable SEU Copper .....	30,496.09	4,832.13

**26 05 19 16-0402 SEU Cable Aluminum, 3 Conductor** (26 05 19 16-0357)

26 05 19 16-0403	MLF 8-8-8 Cable SEU Aluminum .....	5,562.83	1,731.97
26 05 19 16-0404	MLF 6-6-6 Cable SEU Aluminum .....	6,342.70	1,903.07
26 05 19 16-0405	MLF 4-4-6 Cable SEU Aluminum .....	7,124.13	2,083.11
26 05 19 16-0406	MLF 4-4-4 Cable SEU Aluminum .....	7,459.97	2,171.13
26 05 19 16-0407	MLF 2-2-4 Cable SEU Aluminum .....	8,926.18	2,569.13
26 05 19 16-0408	MLF 2-2-2 Cable SEU Aluminum .....	9,475.85	2,704.31
26 05 19 16-0409	MLF 1-1-1 Cable SEU Aluminum .....	11,386.60	3,082.90
26 05 19 16-0410	MLF 1/0-1/0-2 Cable SEU Aluminum .....	12,053.79	3,245.21
26 05 19 16-0411	MLF 1/0-1/0-1/0 Cable SEU Aluminum .....	14,664.15	3,425.40
26 05 19 16-0412	MLF 2/0-2/0-1 Cable SEU Aluminum .....	13,609.29	3,670.19
26 05 19 16-0413	MLF 2/0-2/0-2/0 Cable SEU Aluminum .....	14,377.49	3,853.62
26 05 19 16-0414	MLF 3/0-3/0-1/0 Cable SEU Aluminum .....	15,666.56	4,035.20

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0415	MLF		3/0-3/0-3/0 Cable SEU Aluminum.....	16,761.57	4,281.83
26 05 19 16-0416	MLF		4/0-4/0-2/0 Cable SEU Aluminum.....	17,693.40	4,628.97
26 05 19 16-0417	MLF		4/0-4/0-4/0 Cable SEU Aluminum.....	18,688.59	4,817.02
<b>26 05 19 16-0418</b>			<b>SER Cable Copper, 4 Conductor</b> (26 05 19 16-0357)		
26 05 19 16-0419	MLF		6-6-6-6 Cable SER Copper.....	11,504.14	2,221.07
26 05 19 16-0420	MLF		4-4-4-6 Cable SER Copper.....	12,598.74	2,404.81
26 05 19 16-0421	MLF		3-3-3-5 Cable SER Copper.....	15,472.87	2,713.88
26 05 19 16-0422	MLF		2-2-2-4 Cable SER Copper.....	17,635.74	2,958.65
26 05 19 16-0423	MLF		1-1-1-3 Cable SER Copper.....	20,523.26	3,387.79
26 05 19 16-0424	MLF		1/0-1/0-1/0-2 Cable SER Copper.....	24,868.40	3,882.75
26 05 19 16-0425	MLF		2/0-2/0-2/0-1 Cable SER Copper.....	30,802.38	4,188.73
26 05 19 16-0426	MLF		3/0-3/0-3/0-1/0 Cable SER Copper.....	35,497.94	4,685.23
<b>26 05 19 16-0427</b>			<b>SER Cable Aluminum, 4 Conductor</b> (26 05 19 16-0357)		
26 05 19 16-0428	MLF		8-8-8-8 Cable SER Aluminum.....	6,348.60	2,073.09
26 05 19 16-0429	MLF		6-6-6-6 Cable SER Aluminum.....	6,888.93	2,221.07
26 05 19 16-0430	MLF		4-4-4-6 Cable SER Aluminum.....	7,643.36	2,404.81
26 05 19 16-0431	MLF		2-2-2-4 Cable SER Aluminum.....	9,569.39	2,958.65
26 05 19 16-0432	MLF		1-1-1-3 Cable SER Aluminum.....	11,375.74	3,387.79
26 05 19 16-0433	MLF		1/0-1/0-1/0-2 Cable SER Aluminum.....	12,897.67	3,882.75
26 05 19 16-0434	MLF		2/0-2/0-2/0-1 Cable SER Aluminum.....	14,301.26	4,188.73
26 05 19 16-0435	MLF		3/0-3/0-3/0-1/0 Cable SER Aluminum.....	16,212.14	4,685.23
26 05 19 16-0436	MLF		4/0-4/0-4/0-2/0 Cable SER Aluminum.....	18,327.22	5,220.73
<b>26 05 19 16-0437</b>			<b>Control Tray Cable, Low Voltage</b> (26 05 19 16-0010)		
Note: Type "TC" multi-conductor (individually numbered conductors) control cables installed in conduit.					
26 05 19 16-0438	MLF		2 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,337.27	683.14
			<i>For Work In Restricted Working Space, Add</i>	341.57	
26 05 19 16-0439	MLF		3 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,529.09	764.17
			<i>For Work In Restricted Working Space, Add</i>	382.08	
26 05 19 16-0440	MLF		4 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,581.14	764.11
			<i>For Work In Restricted Working Space, Add</i>	382.08	
26 05 19 16-0441	MLF		5 Conductor #18 AWG, Stranded, Type TC Control Cable.....	1,980.59	958.42
			<i>For Work In Restricted Working Space, Add</i>	479.21	
26 05 19 16-0442	MLF		7 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,471.69	1,167.92
			<i>For Work In Restricted Working Space, Add</i>	583.96	
26 05 19 16-0443	MLF		9 Conductor #18 AWG, Stranded, Type TC Control Cable.....	2,793.43	1,284.31
			<i>For Work In Restricted Working Space, Add</i>	642.16	
26 05 19 16-0444	MLF		12 Conductor #18 AWG, Stranded, Type TC Control Cable.....	3,283.79	1,459.30
			<i>For Work In Restricted Working Space, Add</i>	729.65	
26 05 19 16-0445	MLF		15 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,117.74	1,783.67
			<i>For Work In Restricted Working Space, Add</i>	891.84	
26 05 19 16-0446	MLF		19 Conductor #18 AWG, Stranded, Type TC Control Cable.....	4,653.07	1,945.90
			<i>For Work In Restricted Working Space, Add</i>	972.95	
26 05 19 16-0447	MLF		25 Conductor #18 AWG, Stranded, Type TC Control Cable.....	5,341.13	2,006.74
			<i>For Work In Restricted Working Space, Add</i>	1,003.37	
26 05 19 16-0448	MLF		30 Conductor #18 AWG, Stranded, Type TC Control Cable.....	6,576.96	2,506.94
			<i>For Work In Restricted Working Space, Add</i>	1,253.47	
26 05 19 16-0449	MLF		37 Conductor #18 AWG, Stranded, Type TC Control Cable.....	7,844.79	2,929.84
			<i>For Work In Restricted Working Space, Add</i>	1,464.92	
26 05 19 16-0450	MLF		2 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,446.80	719.61
			<i>For Work In Restricted Working Space, Add</i>	359.52	
26 05 19 16-0451	MLF		3 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,660.00	804.38
			<i>For Work In Restricted Working Space, Add</i>	402.19	
26 05 19 16-0452	MLF		4 Conductor #16 AWG, Stranded, Type TC Control Cable.....	1,927.83	926.05
			<i>For Work In Restricted Working Space, Add</i>	463.03	
26 05 19 16-0453	MLF		5 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,160.47	1,008.86
			<i>For Work In Restricted Working Space, Add</i>	504.43	
26 05 19 16-0454	MLF		7 Conductor #16 AWG, Stranded, Type TC Control Cable.....	2,705.44	1,229.39
			<i>For Work In Restricted Working Space, Add</i>	614.70	
26 05 19 16-0455	MLF		9 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,069.31	1,351.91
			<i>For Work In Restricted Working Space, Add</i>	675.95	
26 05 19 16-0456	MLF		12 Conductor #16 AWG, Stranded, Type TC Control Cable.....	3,624.69	1,536.10
			<i>For Work In Restricted Working Space, Add</i>	768.05	
26 05 19 16-0457	MLF		15 Conductor #16 AWG, Stranded, Type TC Control Cable.....	4,560.29	1,877.46
			<i>For Work In Restricted Working Space, Add</i>	938.73	
26 05 19 16-0458	MLF		19 Conductor #16 AWG, Stranded, Type TC Control Cable.....	5,175.94	2,048.14
			<i>For Work In Restricted Working Space, Add</i>	1,024.07	
26 05 19 16-0459	MLF		25 Conductor #16 AWG, Stranded, Type TC Control Cable.....	6,016.30	2,112.36
			<i>For Work In Restricted Working Space, Add</i>	1,056.18	
26 05 19 16-0460	MLF		30 Conductor #16 AWG, Stranded, Type TC Control Cable.....	7,396.32	2,638.75
			<i>For Work In Restricted Working Space, Add</i>	1,319.38	
26 05 19 16-0461	MLF		37 Conductor #16 AWG, Stranded, Type TC Control Cable.....	8,842.22	3,084.04
			<i>For Work In Restricted Working Space, Add</i>	1,542.02	
26 05 19 16-0462	MLF		2 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,553.53	751.15
			<i>For Work In Restricted Working Space, Add</i>	375.58	
26 05 19 16-0463	MLF		3 Conductor #14 AWG, Stranded, Type TC Control Cable.....	1,828.13	844.94
			<i>For Work In Restricted Working Space, Add</i>	422.47	
26 05 19 16-0464	MLF		4 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,130.04	965.77
			<i>For Work In Restricted Working Space, Add</i>	482.88	
26 05 19 16-0465	MLF		5 Conductor #14 AWG, Stranded, Type TC Control Cable.....	2,372.25	1,040.13
			<i>For Work In Restricted Working Space, Add</i>	520.06	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0466	MLF	7 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,100.84 637.51	1,275.02
26 05 19 16-0467	MLF	9 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,542.16 704.26	1,408.24
26 05 19 16-0468	MLF	12 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,263.41 785.80	1,571.59
26 05 19 16-0469	MLF	15 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,092.55 938.73	1,877.18
26 05 19 16-0470	MLF	19 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,081.99 1,090.40	2,181.35
26 05 19 16-0471	MLF	25 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,492.34 1,275.44	2,550.32
26 05 19 16-0472	MLF	30 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,647.90 1,424.99	2,849.99
26 05 19 16-0473	MLF	37 Conductor #14 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,364.08 1,665.38	3,330.76
26 05 19 16-0474	MLF	2 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	1,772.36 402.19	804.38
26 05 19 16-0475	MLF	3 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,080.18 444.86	890.01
26 05 19 16-0476	MLF	4 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,499.26 512.03	1,024.07
26 05 19 16-0477	MLF	5 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,792.43 544.99	1,089.98
26 05 19 16-0478	MLF	7 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,608.89 649.76	1,299.52
26 05 19 16-0479	MLF	9 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,417.17 768.05	1,536.10
26 05 19 16-0480	MLF	12 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,301.20 866.49	1,732.97
26 05 19 16-0481	MLF	15 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,270.58 994.07	1,988.15
26 05 19 16-0482	MLF	19 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,363.30 1,126.73	2,253.46
26 05 19 16-0483	MLF	25 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	9,298.09 1,316.84	2,633.68
26 05 19 16-0484	MLF	30 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	10,782.19 1,539.06	3,078.12
26 05 19 16-0485	MLF	37 Conductor #12 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,974.85 1,798.88	3,597.76
26 05 19 16-0486	MLF	2 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,052.87 422.47	844.94
26 05 19 16-0487	MLF	3 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	2,495.57 463.03	926.62
26 05 19 16-0488	MLF	4 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,002.23 528.09	1,056.17
26 05 19 16-0489	MLF	5 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	3,447.21 572.87	1,145.74
26 05 19 16-0490	MLF	7 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	4,608.66 719.05	1,438.09
26 05 19 16-0491	MLF	9 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	5,414.96 804.81	1,609.61
26 05 19 16-0492	MLF	12 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	6,310.83 938.73	1,877.46
26 05 19 16-0493	MLF	15 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	7,422.43 1,073.50	2,147.00
26 05 19 16-0494	MLF	19 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	8,745.52 1,216.72	2,433.43
26 05 19 16-0495	MLF	25 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	11,121.33 1,422.04	2,844.07
26 05 19 16-0496	MLF	30 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	12,887.58 1,662.00	3,324.00
26 05 19 16-0497	MLF	37 Conductor #10 AWG, Stranded, Type TC Control Cable..... <i>For Work In Restricted Working Space, Add</i>	15,548.63 1,942.94	3,885.89
26 05 19 16-0498		<b>ACSR (Aluminum Conductor Steel Reinforced)</b> <small>(26 05 19 16-0010)</small>		
		Note: Concentric lay stranded Class A galvanizing installed on poles, aerially.		
26 05 19 16-0499		<b>ACSR Cable</b> <small>(26 05 19 16-0498)</small>		
26 05 19 16-0500	MLF	#4 AWG, ACSR Cable Swan 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,353.98	676.17
26 05 19 16-0501	MLF	#4 AWG, ACSR Cable Swanate 7/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,543.31	702.11
26 05 19 16-0502	MLF	#2 AWG, ACSR Cable Sparrow 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	2,824.74	729.13
26 05 19 16-0503	MLF	#2 AWG, ACSR Cable Sparate 7/1, Aluminum Cable, Installed On Poles (Aerial) .....	3,014.19	755.53
26 05 19 16-0504	MLF	1/0 AWG, ACSR Cable Raven 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	3,516.17	781.15
26 05 19 16-0505	MLF	2/0 AWG, ACSR Cable Quail 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	4,161.41	885.52
26 05 19 16-0506	MLF	3/0 AWG, ACSR Cable Pigeon 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	4,909.29	987.54
26 05 19 16-0507	MLF	4/0 AWG, ACSR Cable Penguin 6/1, Aluminum Cable, Installed On Poles (Aerial) .....	5,763.87	1,090.97
26 05 19 16-0508	MLF	336 AWG ACSR Cable Merlin 18/1, Aluminum Cable, Installed On Poles (Aerial) .....	6,426.56	1,402.02
26 05 19 16-0509	MLF	477 AWG, ACSR Cable Hawk 26/1, Aluminum Cable, Installed On Poles (Aerial) .....	7,274.81	1,608.24
26 05 19 16-0510		<b>All Aluminum Conductors</b> <small>(26 05 19 16-0498)</small>		
26 05 19 16-0511	MLF	795.0 ACSR Conductor Aluminum .....	47,683.66	13,077.02
26 05 19 16-0512		<b>Single Conductor Installed On Poles</b> <small>(26 05 19 16-0010)</small>		



**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 05 19 16-0513</b>			<b>Bare Stranded Conductor</b> <small>(26 05 19 16-0512)</small>		
26 05 19 16-0514	MLF		#12 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,614.17	572.90
26 05 19 16-0515	MLF		#10 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	1,848.55	624.46
26 05 19 16-0516	MLF		#8 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,084.57	676.64
26 05 19 16-0517	MLF		#6 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,462.76	729.13
26 05 19 16-0518	MLF		#4 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	2,899.06	781.79
26 05 19 16-0519	MLF		#2 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	3,986.07	937.70
26 05 19 16-0520	MLF		#1 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	4,547.74	1,041.59
26 05 19 16-0521	MLF		1/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	5,148.78	1,143.61
26 05 19 16-0522	MLF		2/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	6,743.38	1,356.40
26 05 19 16-0523	MLF		3/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,104.18	1,559.50
26 05 19 16-0524	MLF		4/0 AWG, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	8,783.77	1,767.45
26 05 19 16-0525	MLF		250 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	10,977.96	2,083.03
26 05 19 16-0526	MLF		300 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	11,286.12	2,192.71
26 05 19 16-0527	MLF		350 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	13,688.43	2,296.29
26 05 19 16-0528	MLF		400 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	14,992.77	2,390.50
26 05 19 16-0529	MLF		500 MCM, Single Conductor, Bare Stranded Copper Cable, Installed On Poles.....	17,210.35	2,492.52
<b>26 05 19 16-0530</b>			<b>Insulated Stranded Conductor</b> <small>(26 05 19 16-0512)</small>		
26 05 19 16-0531	MLF		#12 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,702.80	572.90
26 05 19 16-0532	MLF		#10 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	1,962.92	624.46
26 05 19 16-0533	MLF		#8 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,310.33	676.64
26 05 19 16-0534	MLF		#6 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,505.49	729.13
26 05 19 16-0535	MLF		#4 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	2,964.26	781.79
26 05 19 16-0536	MLF		#2 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	3,891.91	937.70
26 05 19 16-0537	MLF		#1 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	4,538.34	1,041.59
26 05 19 16-0538	MLF		1/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	5,279.87	1,143.61
26 05 19 16-0539	MLF		2/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	6,340.79	1,356.40
26 05 19 16-0540	MLF		3/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	7,543.01	1,559.50
26 05 19 16-0541	MLF		4/0 AWG, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	8,827.55	1,767.45
26 05 19 16-0542	MLF		250 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	10,710.10	2,083.03
26 05 19 16-0543	MLF		300 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	11,995.12	2,192.71
26 05 19 16-0544	MLF		350 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	13,055.96	2,296.29
26 05 19 16-0545	MLF		400 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	14,468.37	2,390.50
26 05 19 16-0546	MLF		500 MCM, Single Conductor, Insulated Stranded Copper Cable, Installed On Poles.....	16,094.97	2,492.52
<b>26 05 19 16-0547</b>			<b>Bare Solid Conductor</b> <small>(26 05 19 16-0512)</small>		
26 05 19 16-0548	MLF		#12 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	1,614.17	572.90
26 05 19 16-0549	MLF		#8 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,084.57	676.64
26 05 19 16-0550	MLF		#6 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,462.76	729.13
26 05 19 16-0551	MLF		#4 AWG, Single Conductor, Bare Solid Copper Cable, Installed On Poles.....	2,872.12	781.79
<b>26 05 19 16-0552</b>			<b>Multi-Conductor Cords, Cables And Associated Equipment</b> <small>(26 05 19 16-0010)</small>		
<b>26 05 19 16-0553</b>			<b>Multi-Conductor Cords</b> <small>(26 05 19 16-0552)</small>		
			Note: Includes installation in cable tray, surface mounting or installation between junction boxes. Excludes strain relief devices, plugs and connector bodies.		
<b>26 05 19 16-0554</b>			<b>Multi-Conductor Type SOOW And SJOOW Cord</b> <small>(26 05 19 16-0553)</small>		
			Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.		
<b>26 05 19 16-0555</b>			<b>300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0554)</small>		
<b>26 05 19 16-0556</b>			<b>#18, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0555)</small>		
26 05 19 16-0557	LF		2 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.34	0.62
26 05 19 16-0558	LF		3 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.38	0.62
26 05 19 16-0559	LF		4 Conductors, #18 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.48	0.62
<b>26 05 19 16-0560</b>			<b>#16, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0555)</small>		
26 05 19 16-0561	LF		2 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.56	0.62
26 05 19 16-0562	LF		3 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.63	0.62
26 05 19 16-0563	LF		4 Conductors, #16 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.72	0.62
<b>26 05 19 16-0564</b>			<b>#14, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0555)</small>		
26 05 19 16-0565	LF		2 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.68	0.62
26 05 19 16-0566	LF		3 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.78	0.62
26 05 19 16-0567	LF		4 Conductors, #14 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.98	0.62
<b>26 05 19 16-0568</b>			<b>#12, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0555)</small>		
26 05 19 16-0569	LF		2 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.85	0.62
26 05 19 16-0570	LF		3 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	1.97	0.62
26 05 19 16-0571	LF		4 Conductors, #12 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.15	0.62
<b>26 05 19 16-0572</b>			<b>#10, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0555)</small>		
26 05 19 16-0573	LF		2 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.29	0.77
26 05 19 16-0574	LF		3 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.37	0.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0575	LF		4 Conductors, #10 AWG, 300 Volt, 90 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Carolprene).....	2.50	0.77
<b>26 05 19 16-0576</b>			<b>600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0574)</small>		
<b>26 05 19 16-0577</b>			<b>#18, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0578	LF		2 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.38	0.62
26 05 19 16-0579	LF		3 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.45	0.62
26 05 19 16-0580	LF		4 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.55	0.62
26 05 19 16-0581	LF		5 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.44	0.83
26 05 19 16-0582	LF		6 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.63	0.85
26 05 19 16-0583	LF		7 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.77	0.88
26 05 19 16-0584	LF		8 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.00	0.90
26 05 19 16-0585	LF		10 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.39	0.95
26 05 19 16-0586	LF		12 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.77	0.97
26 05 19 16-0587	LF		14 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.76	0.99
26 05 19 16-0588	LF		16 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.85	1.01
26 05 19 16-0589	LF		18 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.98	1.04
26 05 19 16-0590	LF		20 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.47	1.06
26 05 19 16-0591	LF		24 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.71	1.08
26 05 19 16-0592	LF		30 Conductors, #18 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.01	1.15
<b>26 05 19 16-0593</b>			<b>#16, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0594	LF		2 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.62	0.62
26 05 19 16-0595	LF		3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.69	0.62
26 05 19 16-0596	LF		4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.81	0.62
26 05 19 16-0597	LF		5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.53	0.83
26 05 19 16-0598	LF		6 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.74	0.85
26 05 19 16-0599	LF		7 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	2.95	0.88
26 05 19 16-0600	LF		8 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.22	0.90
26 05 19 16-0601	LF		9 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.34	0.92
26 05 19 16-0602	LF		10 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.65	0.95
26 05 19 16-0603	LF		12 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.15	0.97
26 05 19 16-0604	LF		14 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.42	0.99
26 05 19 16-0605	LF		16 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.92	1.01
26 05 19 16-0606	LF		18 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.58	1.04
26 05 19 16-0607	LF		20 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.19	1.06
26 05 19 16-0608	LF		24 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.33	1.08
26 05 19 16-0609	LF		26 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.98	1.11
26 05 19 16-0610	LF		30 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.20	1.15
<b>26 05 19 16-0611</b>			<b>#14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0612	LF		2 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.80	0.62
26 05 19 16-0613	LF		3 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.87	0.62
26 05 19 16-0614	LF		4 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.05	0.62
26 05 19 16-0615	LF		5 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.09	0.83
26 05 19 16-0616	LF		6 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.60	0.85
26 05 19 16-0617	LF		7 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.79	0.88
26 05 19 16-0618	LF		8 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.20	0.90
26 05 19 16-0619	LF		9 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.48	0.92
26 05 19 16-0620	LF		10 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.94	0.95
26 05 19 16-0621	LF		12 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.38	0.97
26 05 19 16-0622	LF		14 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.88	0.99
26 05 19 16-0623	LF		16 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.94	1.01
26 05 19 16-0624	LF		20 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.73	1.06
26 05 19 16-0625	LF		24 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.99	1.08
26 05 19 16-0626	LF		30 Conductors, #14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.53	1.15

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0627			<b>#12, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0628	LF		2 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	1.98	0.62
26 05 19 16-0629	LF		3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.12	0.62
26 05 19 16-0630	LF		4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.26	0.62
26 05 19 16-0631	LF		5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.45	0.83
26 05 19 16-0632	LF		6 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.92	0.85
26 05 19 16-0633	LF		7 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.40	0.88
26 05 19 16-0634	LF		8 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.93	0.90
26 05 19 16-0635	LF		9 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.30	0.92
26 05 19 16-0636	LF		10 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.93	0.95
26 05 19 16-0637	LF		12 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.66	0.97
26 05 19 16-0638	LF		14 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.35	0.99
26 05 19 16-0639	LF		16 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.04	1.01
26 05 19 16-0640	LF		18 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	8.38	1.04
26 05 19 16-0641	LF		20 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.56	1.06
26 05 19 16-0642	LF		24 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	10.77	1.08
26 05 19 16-0643	LF		26 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	11.97	1.11
26 05 19 16-0644	LF		28 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.37	1.13
26 05 19 16-0645	LF		30 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	12.81	1.15
26 05 19 16-0646			<b>#10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0647	LF		2 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.25	0.77
26 05 19 16-0648	LF		3 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.37	0.77
26 05 19 16-0649	LF		4 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	2.49	0.77
26 05 19 16-0650	LF		5 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	3.07	0.83
26 05 19 16-0651	LF		6 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	4.66	0.85
26 05 19 16-0652	LF		7 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	5.38	0.88
26 05 19 16-0653	LF		10 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	6.80	0.95
26 05 19 16-0654	LF		12 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	7.70	0.97
26 05 19 16-0655	LF		16 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	9.65	1.01
26 05 19 16-0656	LF		20 Conductors, #10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron).....	13.74	1.06
26 05 19 16-0657			<b>#8, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0658	LF		3 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.14	0.92
26 05 19 16-0659	LF		4 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	4.45	1.08
26 05 19 16-0660	LF		5 Conductors, #8 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.80	1.08
26 05 19 16-0661			<b>#6, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0662	LF		3 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	5.64	1.08
26 05 19 16-0663	LF		4 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	6.76	1.23
26 05 19 16-0664	LF		5 Conductors, #6 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.11	1.54
26 05 19 16-0665			<b>#4, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0666	LF		3 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	8.79	1.54
26 05 19 16-0667	LF		4 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	9.59	1.69
26 05 19 16-0668	LF		5 Conductors, #4 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	11.44	1.84
26 05 19 16-0669			<b>#2, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0576)</small>		
26 05 19 16-0670	LF		3 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	13.92	3.08
26 05 19 16-0671	LF		4 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	17.65	3.85
26 05 19 16-0672	LF		5 Conductors, #2 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Carolprene).....	21.79	5.08
26 05 19 16-0673			<b>300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0554)</small>		
26 05 19 16-0674			<b>#18, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0673)</small>		
26 05 19 16-0675	LF		2 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.72	0.62
26 05 19 16-0676	LF		3 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.83	0.62
26 05 19 16-0677	LF		4 Conductors, #18 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.06	0.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 19 16-0678			<b>#16, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0673)</small>		
26 05 19 16-0679	LF		2 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.79	0.62
26 05 19 16-0680	LF		3 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	1.97	0.62
26 05 19 16-0681	LF		4 Conductors, #16 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.05	0.62
26 05 19 16-0682			<b>#14, 300 Volt, Multi-Conductor Type SJOOW Cord</b> <small>(26 05 19 16-0673)</small>		
26 05 19 16-0683	LF		2 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.24	0.62
26 05 19 16-0684	LF		3 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	2.98	0.62
26 05 19 16-0685	LF		4 Conductors, #14 AWG, 300 Volt, 105 Degree Celsius, Multi-Conductor Type SJOOW Cord (Carol Super Vu-Tron III).....	3.71	0.77
26 05 19 16-0686			<b>600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0554)</small>		
26 05 19 16-0687			<b>#18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0686)</small>		
26 05 19 16-0688	LF		2 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.19	0.62
26 05 19 16-0689	LF		3 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.50	0.62
26 05 19 16-0690	LF		4 Conductors, #18 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.82	0.62
26 05 19 16-0691			<b>#16 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0686)</small>		
26 05 19 16-0692	LF		2/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.30	0.62
26 05 19 16-0693	LF		3/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.61	0.62
26 05 19 16-0694	LF		4/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.12	0.62
26 05 19 16-0695	LF		5/c #16, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.38	0.77
26 05 19 16-0696			<b>#14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0686)</small>		
26 05 19 16-0697	LF		3 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	2.69	0.62
26 05 19 16-0698	LF		4 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.10	0.62
26 05 19 16-0699	LF		5 Conductors, #14 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.45	0.77
26 05 19 16-0700			<b>#12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0686)</small>		
26 05 19 16-0701	LF		3 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.08	0.62
26 05 19 16-0702	LF		4 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.44	0.62
26 05 19 16-0703	LF		5 Conductors, #12 AWG, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.82	0.77
26 05 19 16-0704			<b>#10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord</b> <small>(26 05 19 16-0686)</small>		
26 05 19 16-0705	LF		3/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.49	0.77
26 05 19 16-0706	LF		4/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	3.82	0.77
26 05 19 16-0707	LF		5/c #10, 600 Volt, 105 Degree Celsius, Multi-Conductor Type SOOW Cord (Carol Super Vu-Tron III).....	4.16	0.77
26 05 19 16-0708			<b>Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0553)</small> Note: Includes thermoplastic elastomeric (TPE) insulation.		
26 05 19 16-0709			<b>600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0708)</small>		
26 05 19 16-0710			<b>#16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0709)</small>		
26 05 19 16-0711	LF		3 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.80	0.62
26 05 19 16-0712	LF		4 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	1.93	0.62
26 05 19 16-0713	LF		5 Conductors, #16 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.67	0.77
26 05 19 16-0714			<b>#14 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b> <small>(26 05 19 16-0709)</small>		
26 05 19 16-0715	LF		3/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.18	0.62
26 05 19 16-0716	LF		4/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.42	0.62
26 05 19 16-0717	LF		5/c #14, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.27	0.77



**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 19 16-0718		<b>#12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b>			
		<small>(26 05 19 16-0709)</small>			
26 05 19 16-0719	LF	3 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.57		0.62
26 05 19 16-0720	LF	4 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	2.87		0.62
26 05 19 16-0721	LF	5 Conductors, #12 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.52		0.77
26 05 19 16-0722		<b>#10 AWG, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord</b>			
		<small>(26 05 19 16-0709)</small>			
26 05 19 16-0723	LF	3/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.15		0.77
26 05 19 16-0724	LF	4/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.52		0.77
26 05 19 16-0725	LF	5/c #10, 600 Volt, 90 Degree Celsius, Multi-Conductor Type SEOW Cord.....	3.75		0.77
26 05 19 16-0726		<b>Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0553)</small>			
		Note: Includes ethylene propylene diene monomer (EPDM) rubber insulation.			
26 05 19 16-0727		<b>2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0726)</small>			
26 05 19 16-0728		<b>#8 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0727)</small>			
26 05 19 16-0729	LF	3/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.45		0.92
26 05 19 16-0730	LF	4/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.74		1.08
26 05 19 16-0731	LF	5/c #8, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.51		1.08
26 05 19 16-0732		<b>#6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0727)</small>			
26 05 19 16-0733	LF	3 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	4.81		1.08
26 05 19 16-0734	LF	4 Conductors, #6 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	5.70		1.23
26 05 19 16-0735	LF	5/c #6, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.03		1.54
26 05 19 16-0736		<b>#4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord</b> <small>(26 05 19 16-0727)</small>			
26 05 19 16-0737	LF	3 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	6.17		1.08
26 05 19 16-0738	LF	4 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	7.27		1.23
26 05 19 16-0739	LF	5 Conductors, #4 AWG, 2,000 Volt, 90 Degree Celsius, Multi-Conductor Type W Cord (Carol Super Vu-Tron).....	9.24		1.54
26 05 19 16-0740		<b>Cord Grips, Cable Reels, Extension Cords, And Accessories</b> <small>(26 05 19 16-0552)</small>			
26 05 19 16-0741		<b>Cord Grips</b> <small>(26 05 19 16-0740)</small>			
26 05 19 16-0742	EA	Cord Grip With Watertight Connector For 1/2" NPT Zinc Plated Steel.....	97.16		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.03		
26 05 19 16-0743	EA	Cord Grip With Watertight Connector For 3/4" NPT Zinc Plated Steel.....	97.58		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.03		
26 05 19 16-0744		<b>Cable Reels</b> <small>(26 05 19 16-0740)</small>			
		Note: Includes handling, mounting, electrical connections and installing cord.			
26 05 19 16-0745	EA	30', 16-3, SJO, Extension Cord Reel (Cox Reels PC10-3016-A).....	712.34		77.07
26 05 19 16-0746	EA	50', 10-4, SEOW, Extension Cord Reel (Reelcraft L 7050 104 X 1).....	1,911.67		77.07
26 05 19 16-0747	EA	50', 16-3, SOOW, Extension Cord Reel (KH Industries RTFD3L-WW-B16K).....	1,437.58		77.07
26 05 19 16-0748		<b>Extension Cords For Cable Reel</b> <small>(26 05 19 16-0740)</small>			
26 05 19 16-0749	EA	100 LF, 120 Volt, 12 Gauge, 3 Wire, Extension Cord.....	219.06		
26 05 19 16-0750	EA	100 LF, 240 Volt, 10 Gauge, 3 Wire, Extension Cord.....	308.35		
26 05 19 16-0751		<b>Plugs And Connector Bodies</b> <small>(26 05 19 16-0740)</small>			
		Note: Up to 277 volt			
26 05 19 16-0752		<b>NEMA Twist-Lock Plugs</b> <small>(26 05 19 16-0751)</small>			
26 05 19 16-0753	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7545C).....	97.46		
26 05 19 16-0754	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL4770CBK).....	99.03		
26 05 19 16-0755	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Plug (Hubbell HBL7102C).....	92.43		
26 05 19 16-0756	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2331).....	97.26		
26 05 19 16-0757	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2411).....	119.94		
26 05 19 16-0758	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2441).....	126.09		
26 05 19 16-0759	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2511BK).....	132.10		
26 05 19 16-0760	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Plug (Hubbell HBL2611BK).....	120.86		
26 05 19 16-0761	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2711BK).....	135.63		
26 05 19 16-0762	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Plug (Hubbell HBL2761).....	138.50		
26 05 19 16-0763	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Plug (Hubbell HBL2811BK).....	142.16		
26 05 19 16-0764		<b>NEMA Twist-Lock Connector Bodies</b> <small>(26 05 19 16-0751)</small>			
26 05 19 16-0765	EA	15 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7506C).....	101.90		
26 05 19 16-0766	EA	15 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL4779C).....	107.46		
26 05 19 16-0767	EA	20 Amperes, 2 Pole 2 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL7101C).....	95.76		
26 05 19 16-0768	EA	20 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2323BK).....	120.86		
26 05 19 16-0769	EA	20 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2413BK).....	137.07		
26 05 19 16-0770	EA	20 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2443).....	144.91		
26 05 19 16-0771	EA	20 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2513BK).....	171.31		
26 05 19 16-0772	EA	30 Amperes, 2 Pole 3 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2623BK).....	164.65		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 19 16-0773	EA	30 Amperes, 3 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2713BK).....		197.72	
26 05 19 16-0774	EA	30 Amperes, 4 Pole 4 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2753).....		206.47	
26 05 19 16-0775	EA	30 Amperes, 4 Pole 5 Wire, NEMA Twist-Lock Connector Body (Hubbell HBL2813BK).....		196.93	

**26 05 19 16-0776 Watertight Pin And Sleeve Plug (26 05 19 16-0751)**

26 05 19 16-0777	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P4W).....		288.26	46.24
26 05 19 16-0778	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P6W).....		291.10	46.24
26 05 19 16-0779	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 320P7W).....		313.14	46.24
26 05 19 16-0780	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P12W).....		315.75	50.87
26 05 19 16-0781	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P9W).....		311.47	50.87
26 05 19 16-0782	EA	20 Amperes, Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 420P7W).....		312.74	50.87
26 05 19 16-0783	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P4W).....		433.42	56.88
26 05 19 16-0784	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P6W).....		422.77	56.88
26 05 19 16-0785	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 330P7W).....		468.52	56.88
26 05 19 16-0786	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P12W).....		463.33	62.43
26 05 19 16-0787	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P9W).....		444.83	62.43
26 05 19 16-0788	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 430P7W).....		457.56	62.43
26 05 19 16-0789	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P4W).....		587.39	73.99
26 05 19 16-0790	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P6W).....		597.53	73.99
26 05 19 16-0791	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 360P7W).....		573.48	73.99
26 05 19 16-0792	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P12W).....		652.21	82.31
26 05 19 16-0793	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P9W).....		636.42	82.31
26 05 19 16-0794	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 460P7W).....		643.25	82.31
26 05 19 16-0795	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P6W).....		801.92	92.49
26 05 19 16-0796	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 3100P7W).....		841.10	92.49
26 05 19 16-0797	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P12W).....		825.35	101.74
26 05 19 16-0798	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P9W).....		811.98	101.74
26 05 19 16-0799	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Plug (Hubbell 4100P7W).....		819.20	101.74

**26 05 19 16-0800 Watertight Pin And Sleeve Connector (26 05 19 16-0751)**

26 05 19 16-0801	EA	20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C4W).....		304.58	46.24
26 05 19 16-0802	EA	20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C6W).....		306.55	46.24
26 05 19 16-0803	EA	20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 320C7W).....		357.32	46.24
26 05 19 16-0804	EA	20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C12W).....		356.89	50.87
26 05 19 16-0805	EA	20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C9W).....		351.74	50.87
26 05 19 16-0806	EA	20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 420C7W).....		356.40	50.87
26 05 19 16-0807	EA	30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C4W).....		443.18	56.88
26 05 19 16-0808	EA	30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C6W).....		443.07	56.88
26 05 19 16-0809	EA	30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 330C7W).....		460.58	56.88
26 05 19 16-0810	EA	30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C12W).....		458.58	62.43
26 05 19 16-0811	EA	30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C9W).....		462.18	62.43
26 05 19 16-0812	EA	30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 430C7W).....		458.38	62.43
26 05 19 16-0813	EA	60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C4W).....		687.46	73.99
26 05 19 16-0814	EA	60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C6W).....		666.01	73.99
26 05 19 16-0815	EA	60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 360C7W).....		653.23	73.99
26 05 19 16-0816	EA	60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C12W).....		711.77	82.31
26 05 19 16-0817	EA	60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C9W).....		730.41	82.31
26 05 19 16-0818	EA	60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 460C7W).....		731.78	82.31
26 05 19 16-0819	EA	100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C6W).....		911.69	92.49
26 05 19 16-0820	EA	100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 3100C7W).....		936.29	92.49
26 05 19 16-0821	EA	100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C12W).....		1,012.57	101.74
26 05 19 16-0822	EA	100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C9W).....		978.78	101.74
26 05 19 16-0823	EA	100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Connector (Hubbell 4100C7W).....		990.30	101.74

**26 05 19 16-0824 Accessories (26 05 19 16-0740)**

26 05 19 16-0825	EA	1/2" Straight Steel Cord Connector.....		69.90	15.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.25	
26 05 19 16-0826	EA	1/2" Straight Nylon Cord Connector.....		42.65	11.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.94	
26 05 19 16-0827	EA	1/2" 90 Degree Steel Cord Connector.....		80.53	19.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.56	
26 05 19 16-0828	EA	1/2" 90 Degree Nylon Cord Connector.....		51.82	15.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.25	
26 05 19 16-0829	EA	1/2" Straight Steel Cord Connector With Strain Relief Mesh.....		79.56	19.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.56	
26 05 19 16-0830	EA	1/2" 90 Degree Steel Cord Connector With Strain Relief Mesh.....		134.41	23.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.87	
26 05 19 16-0831	EA	1/2" Straight Nylon Cord Connector With Strain Relief Mesh.....		51.07	15.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.25	
26 05 19 16-0832	EA	1/2" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....		84.08	19.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.56	
26 05 19 16-0833	EA	3/4" Straight Steel Cord Connector.....		72.64	15.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.25	
26 05 19 16-0834	EA	3/4" Straight Nylon Cord Connector.....		44.03	11.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.94	
26 05 19 16-0835	EA	3/4" 90 Degree Steel Cord Connector.....		89.11	19.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.56	
26 05 19 16-0836	EA	3/4" 90 Degree Nylon Cord Connector.....		56.12	15.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		9.25	
26 05 19 16-0837	EA	3/4" Straight Steel Cord Connector With Strain Relief Mesh.....		90.15	23.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		13.87	
26 05 19 16-0838	EA	3/4" 90 Degree Steel Cord Connector With Strain Relief Mesh.....		107.06	26.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		16.19	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 19 Low-Voltage Electrical Power Conductors and Cables**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 19 16-0839	EA	3/4" Straight Nylon Cord Connector With Strain Relief Mesh.....	61.67	19.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	
26 05 19 16-0840	EA	3/4" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	74.44	23.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.88	
26 05 19 16-0841	EA	1" Straight Steel Cord Connector.....	90.28	15.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 19 16-0842	EA	1" Straight Nylon Cord Connector.....	52.85	11.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	
26 05 19 16-0843	EA	1" 90 Degree Steel Cord Connector.....	100.76	19.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	
26 05 19 16-0844	EA	1" 90 Degree Nylon Cord Connector.....	61.95	15.41
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 19 16-0845	EA	1" Straight Steel Cord Connector With Strain Relief Mesh.....	108.67	23.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.87	
26 05 19 16-0846	EA	1" 90 Degree Steel Cord Connector With Strain Relief Mesh.....	119.29	26.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.19	
26 05 19 16-0847	EA	1" Straight Nylon Cord Connector With Strain Relief Mesh.....	71.07	19.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	
26 05 19 16-0848	EA	1" 90 Degree Nylon Cord Connector With Strain Relief Mesh.....	82.40	23.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.88	

**26 05 23 Control-Voltage Electrical Power Cables** (26 05)26 05 23 00-0001 Cable For HVAC System Controls (26 05 23)26 05 23 00-0002 Low Voltage Thermostat Cable To 300 Volt (26 05 23 00-0001)

Note: For surface or conduit installation.

26 05 23 00-0003	MLF	#20/2 Conductor, Low Volt Thermostat Cable.....	573.30	179.55
26 05 23 00-0004	MLF	#20/3 Conductor, Low Volt Thermostat Cable.....	645.50	189.13
26 05 23 00-0005	MLF	#20/4 Conductor, Low Volt Thermostat Cable.....	696.71	199.97
26 05 23 00-0006	MLF	#20/5 Conductor, Low Volt Thermostat Cable.....	816.01	208.41
26 05 23 00-0007	MLF	#20/6 Conductor, Low Volt Thermostat Cable.....	853.60	218.27
26 05 23 00-0008	MLF	#20/7 Conductor, Low Volt Thermostat Cable.....	933.58	227.36
26 05 23 00-0009	MLF	#20/8 Conductor, Low Volt Thermostat Cable.....	1,003.91	236.44
26 05 23 00-0010	MLF	#20/9 Conductor, Low Volt Thermostat Cable.....	1,083.75	245.88
26 05 23 00-0011	MLF	#20/10 Conductor, Low Volt Thermostat Cable.....	1,159.52	253.26
26 05 23 00-0012	MLF	#18/2 Conductor, Low Volt Thermostat Cable.....	613.77	179.55
26 05 23 00-0013	MLF	#18/3 Conductor, Low Volt Thermostat Cable.....	717.71	189.13
26 05 23 00-0014	MLF	#18/4 Conductor, Low Volt Thermostat Cable.....	811.27	199.97
26 05 23 00-0015	MLF	#18/5 Conductor, Low Volt Thermostat Cable.....	863.31	208.41
26 05 23 00-0016	MLF	#18/6 Conductor, Low Volt Thermostat Cable.....	948.60	218.27
26 05 23 00-0017	MLF	#18/7 Conductor, Low Volt Thermostat Cable.....	977.20	227.36
26 05 23 00-0018	MLF	#18/8 Conductor, Low Volt Thermostat Cable.....	1,070.48	236.44
26 05 23 00-0019	MLF	#18/9 Conductor, Low Volt Thermostat Cable.....	1,243.47	245.88
26 05 23 00-0020	MLF	#18/10 Conductor, Low Volt Thermostat Cable.....	1,356.52	253.26

**26 05 26 Grounding and Bonding for Electrical Systems** (26 05)26 05 26 00-0001 Conductors, Straps And Conduit Jumpers (26 05 26)26 05 26 00-0002 Single Conductor (26 05 26 00-0001)26 05 26 00-0003 Copper Bare Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0004	MLF	12 AWG Copper Bare Single Stranded Conductor.....	711.24	296.36
26 05 26 00-0005	MLF	10 AWG Copper Bare Single Stranded Conductor.....	901.96	296.36
26 05 26 00-0006	MLF	8 AWG Copper Bare Single Stranded Conductor.....	1,093.88	356.97
26 05 26 00-0007	MLF	6 AWG Copper Bare Single Stranded Conductor.....	1,429.04	356.97
26 05 26 00-0008	MLF	4 AWG Copper Bare Single Stranded Conductor.....	1,852.85	431.06
26 05 26 00-0009	MLF	2 AWG Copper Bare Single Stranded Conductor.....	2,797.43	431.06
26 05 26 00-0010	MLF	1 AWG Copper Bare Single Stranded Conductor.....	3,207.13	518.63
26 05 26 00-0011	MLF	1/0 AWG Copper Bare Single Stranded Conductor.....	3,751.54	518.63
26 05 26 00-0012	MLF	2/0 AWG Copper Bare Single Stranded Conductor.....	5,151.15	653.33
26 05 26 00-0013	MLF	3/0 AWG Copper Bare Single Stranded Conductor.....	6,297.91	653.33
26 05 26 00-0014	MLF	4/0 AWG Copper Bare Single Stranded Conductor.....	6,749.64	868.86
26 05 26 00-0015	MLF	250 MCM Copper Bare Single Stranded Conductor.....	8,551.24	868.86
26 05 26 00-0016	MLF	300 MCM Copper Bare Single Stranded Conductor.....	8,624.96	1,003.57
26 05 26 00-0017	MLF	350 MCM Copper Bare Single Stranded Conductor.....	11,437.62	1,003.57
26 05 26 00-0018	MLF	500 MCM Copper Bare Single Stranded Conductor.....	15,493.44	1,239.31

26 05 26 00-0019 Copper Insulated Single Stranded Conductors (26 05 26 00-0002)

26 05 26 00-0020	MLF	12 AWG Copper Insulated Single Stranded Conductor.....	1,205.32	404.13
26 05 26 00-0021	MLF	10 AWG Copper Insulated Single Stranded Conductor.....	1,319.09	404.13
26 05 26 00-0022	MLF	8 AWG Copper Insulated Single Stranded Conductor.....	1,658.23	404.13
26 05 26 00-0023	MLF	6 AWG Copper Insulated Single Stranded Conductor.....	1,915.46	700.48
26 05 26 00-0024	MLF	4 AWG Copper Insulated Single Stranded Conductor.....	2,527.40	700.48
26 05 26 00-0025	MLF	2 AWG Copper Insulated Single Stranded Conductor.....	3,488.36	700.48
26 05 26 00-0026	MLF	1 AWG Copper Insulated Single Stranded Conductor.....	4,174.03	1,225.84
26 05 26 00-0027	MLF	1/0 AWG Copper Insulated Single Stranded Conductor.....	5,050.47	1,225.84
26 05 26 00-0028	MLF	2/0 AWG Copper Insulated Single Stranded Conductor.....	5,854.56	1,225.84
26 05 26 00-0029	MLF	3/0 AWG Copper Insulated Single Stranded Conductor.....	6,893.79	1,225.84
26 05 26 00-0030	MLF	4/0 AWG Copper Insulated Single Stranded Conductor.....	8,061.65	1,603.02
26 05 26 00-0031	MLF	250 MCM Copper Insulated Single Stranded Conductor.....	9,643.65	1,603.02
26 05 26 00-0032	MLF	300 MCM Copper Insulated Single Stranded Conductor.....	11,158.82	1,603.02
26 05 26 00-0033	MLF	350 MCM Copper Insulated Single Stranded Conductor.....	13,233.72	2,492.09

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 26 00-0034	MLF 500 MCM Copper Insulated Single Stranded Conductor .....	17,066.40	2,492.09
<b>26 05 26 00-0035</b>	<b>Copper Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0036	MLF 12 AWG Copper Bare Single Solid Conductor.....	711.24	296.36
26 05 26 00-0037	MLF 10 AWG Copper Bare Single Solid Conductor.....	901.96	296.36
26 05 26 00-0038	MLF 8 AWG Copper Bare Single Solid Conductor .....	1,093.88	356.97
26 05 26 00-0039	MLF 6 AWG Copper Bare Single Solid Conductor .....	1,429.04	356.97
26 05 26 00-0040	MLF 4 AWG Copper Bare Single Solid Conductor .....	1,852.85	431.06
26 05 26 00-0041	MLF 2 AWG Copper Bare Single Solid Conductor .....	2,797.43	431.06
26 05 26 00-0042	MLF 1/0 AWG Copper Bare Single Solid Conductor.....	3,751.54	518.63
26 05 26 00-0043	MLF 4/0 AWG Copper Bare Single Solid Conductor.....	6,749.64	687.01
<b>26 05 26 00-0044</b>	<b>Copper Smooth Woven Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0045	LF 29 Strand x 17 AWG Smooth Weave Copper Conductor .....	4.77	0.98
26 05 26 00-0046	LF 32 Strand x 17 AWG Smooth Weave Copper Conductor .....	5.07	1.05
26 05 26 00-0047	LF 36 Strand x 17 AWG Smooth Weave Copper Conductor .....	6.20	1.26
26 05 26 00-0048	LF 40 Strand x 17 AWG Smooth Weave Copper Conductor .....	6.58	1.29
26 05 26 00-0049	LF 24 Strand x 14 AWG Smooth Weave Copper Conductor .....	8.09	1.48
26 05 26 00-0050	LF 29 Strand x 17 AWG Tinned Smooth Weave Copper Conductor .....	5.23	0.98
26 05 26 00-0051	LF 32 Strand x 17 AWG Tinned Smooth Weave Copper Conductor .....	5.67	1.05
26 05 26 00-0052	LF 40 Strand x 17 AWG Tinned Smooth Weave Copper Conductor .....	6.73	1.29
<b>26 05 26 00-0053</b>	<b>Aluminum Bare Single Stranded Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0054	MLF 8 AWG Aluminum Bare Single Stranded Conductor.....	942.46	356.97
26 05 26 00-0055	MLF 6 AWG Aluminum Bare Single Stranded Conductor.....	1,041.15	356.97
26 05 26 00-0056	MLF 4 AWG Aluminum Bare Single Stranded Conductor.....	1,194.51	431.06
26 05 26 00-0057	MLF 2 AWG Aluminum Bare Single Stranded Conductor.....	1,509.41	431.06
26 05 26 00-0058	MLF 1 AWG Aluminum Bare Single Stranded Conductor.....	1,758.56	518.63
26 05 26 00-0059	MLF 1/0 AWG Aluminum Bare Single Stranded Conductor.....	2,014.54	518.63
26 05 26 00-0060	MLF 2/0 AWG Aluminum Bare Single Stranded Conductor.....	2,305.04	653.33
26 05 26 00-0061	MLF 3/0 AWG Aluminum Bare Single Stranded Conductor.....	2,662.29	653.33
26 05 26 00-0062	MLF 4/0 AWG Aluminum Bare Single Stranded Conductor.....	3,164.64	868.86
26 05 26 00-0063	MLF 250 MCM Aluminum Bare Single Stranded Conductor.....	3,560.28	868.86
26 05 26 00-0064	MLF 300 MCM Aluminum Bare Single Stranded Conductor.....	4,274.55	1,003.57
26 05 26 00-0065	MLF 350 MCM Aluminum Bare Single Stranded Conductor.....	4,879.73	1,003.57
26 05 26 00-0066	MLF 500 MCM Aluminum Bare Single Stranded Conductor.....	5,733.85	1,239.31
<b>26 05 26 00-0067</b>	<b>Aluminum Bare Single Solid Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0068	MLF 8 AWG Aluminum Bare Single Solid Conductor .....	942.46	356.97
26 05 26 00-0069	MLF 6 AWG Aluminum Bare Single Solid Conductor .....	1,041.15	356.97
26 05 26 00-0070	MLF 4 AWG Aluminum Bare Single Solid Conductor .....	1,194.51	431.06
26 05 26 00-0071	MLF 2 AWG Aluminum Bare Single Solid Conductor .....	1,509.41	431.06
26 05 26 00-0072	MLF 1 AWG Aluminum Bare Single Solid Conductor .....	1,704.19	687.01
26 05 26 00-0073	MLF 1/0 AWG Aluminum Bare Single Solid Conductor .....	2,014.54	687.01
26 05 26 00-0074	MLF 2/0 AWG Aluminum Bare Single Solid Conductor .....	2,170.37	653.33
26 05 26 00-0075	MLF 3/0 AWG Aluminum Bare Single Solid Conductor .....	2,391.12	653.33
26 05 26 00-0076	MLF 4/0 AWG Aluminum Bare Single Solid Conductor .....	3,164.64	868.86
26 05 26 00-0077	MLF 250 MCM Aluminum Bare Single Solid Conductor .....	3,560.28	868.86
26 05 26 00-0078	MLF 300 MCM Aluminum Bare Single Solid Conductor .....	4,274.55	1,003.57
26 05 26 00-0079	MLF 350 MCM Aluminum Bare Single Solid Conductor .....	4,879.73	1,003.57
26 05 26 00-0080	MLF 500 MCM Aluminum Bare Single Solid Conductor .....	5,733.85	1,239.31
<b>26 05 26 00-0081</b>	<b>Aluminum Smooth Woven Conductors (26 05 26 00-0002)</b>		
26 05 26 00-0082	LF 10 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.51	1.06
26 05 26 00-0083	LF 16 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	3.87	1.17
26 05 26 00-0084	LF 24 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	4.57	1.34
26 05 26 00-0085	LF 26 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	4.61	1.37
26 05 26 00-0086	LF 28 Strand x 14 AWG Smooth Weave Aluminum Conductor .....	4.83	1.43
<b>26 05 26 00-0087</b>	<b>Copper Flexible Braid Connector Jumper Strap (26 05 26 00-0001)</b>		
Note: Manufactured from flat extra flexible tinned braid. Ferrules are tin plated pure electrolytic copper with 2 holes, on each end.			
26 05 26 00-0088	EA 100 Amperes, Copper Flexible Braid Jumper Strap, 12" Length .....	157.64	38.54
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 05 26 00-0089	EA 225 Amperes, Copper Flexible Braid Jumper Strap, 12" Length .....	263.70	46.24
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.74	
26 05 26 00-0090	EA 225 Amperes, Copper Flexible Braid Jumper Strap, 18" Length .....	332.25	46.24
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.74	
26 05 26 00-0091	EA 225 Amperes, Copper Flexible Braid Jumper Strap, 24" Length .....	399.86	46.24
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.74	
26 05 26 00-0092	EA 400 Amperes, Copper Flexible Braid Jumper Strap, 12" Length .....	353.20	50.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.68	
26 05 26 00-0093	EA 400 Amperes, Copper Flexible Braid Jumper Strap, 18" Length .....	451.82	50.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.68	
26 05 26 00-0094	EA 400 Amperes, Copper Flexible Braid Jumper Strap, 24" Length .....	537.50	50.10
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.68	
26 05 26 00-0095	EA 600 Amperes, Copper Flexible Braid Jumper Strap, 12" Length .....	454.96	63.59
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.15	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0096	EA		800 Amperes, Copper Flexible Braid Jumper Strap, 12" Length..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	547.37 46.24	77.07
<b>26 05 26 00-0097</b>			<b>Bonding Jumper For Metallic Conduit</b> (26 05 26 00-0001)		
26 05 26 00-0098	EA		1/2" To 1" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	222.06 48.17	84.78
26 05 26 00-0099	EA		1-1/4" To 2" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	273.54 59.29	84.78
26 05 26 00-0100	EA		2-1/2" To 4" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	389.45 70.07	131.02
26 05 26 00-0101	EA		5" To 6" Conductor, Bonding Jumper, Metallic Conduit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	563.65 85.64	131.02
<b>26 05 26 00-0102</b>			<b>Ground Rods</b> (26 05 26)		
<b>26 05 26 00-0103</b>			<b>Copper-Clad Ground Rods</b> (26 05 26 00-0102)		
26 05 26 00-0104	EA		1/2" Diameter x 8' Long Copper-Clad Ground Rods.....	125.75	115.61
26 05 26 00-0105	EA		5/8" Diameter x 8' Long Copper-Clad Ground Rods.....	130.32	115.61
26 05 26 00-0106	EA		3/4" Diameter x 8' Long Copper-Clad Ground Rods.....	148.75	115.61
26 05 26 00-0107	EA		1/2" Diameter x 10' Long Copper-Clad Ground Rods.....	147.57	115.61
26 05 26 00-0108	EA		5/8" Diameter x 10' Long Copper-Clad Ground Rods.....	153.28	115.61
26 05 26 00-0109	EA		3/4" Diameter x 10' Long Copper-Clad Ground Rods.....	176.32	115.61
<b>26 05 26 00-0110</b>			<b>Ground Access Wells</b> (26 05 26 00-0102)		
<b>26 05 26 00-0111</b>			<b>Precast Ground Access Wells</b> (26 05 26 00-0110)		
26 05 26 00-0112	EA		8" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	319.21	
26 05 26 00-0113	EA		10" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	332.54	
26 05 26 00-0114	EA		12" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	915.77	
26 05 26 00-0115	EA		18" Diameter x 24" Deep Precast Ground Access Well..... Note: With cast iron grate.	929.10	
<b>26 05 26 00-0116</b>			<b>Polyvinyl Chloride (PVC) Ground Access Well</b> (26 05 26 00-0110)		
26 05 26 00-0117	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	595.16	
26 05 26 00-0118	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	721.61	
26 05 26 00-0119	EA		18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with cast iron grated cover.	1,565.61	
26 05 26 00-0120	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	455.63	
26 05 26 00-0121	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	548.08	
26 05 26 00-0122	EA		18" Diameter x 24" Deep Polyvinyl Chloride (PVC) Belled Hub Ground Access Well..... Note: Schedule 40 with flat steel cover.	1,402.64	
26 05 26 00-0123	EA		8" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	268.41	
26 05 26 00-0124	EA		10" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	364.18	
26 05 26 00-0125	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Ground Access Well..... Note: Schedule 40 with flat steel cover.	430.83	
26 05 26 00-0126	EA		8" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	221.51	
26 05 26 00-0127	EA		10" Diameter x 24" Deep Schedule 40 Polyvinyl Chloride (PVC) Ground Access Well, Plastic Cover.....	337.21	
26 05 26 00-0128	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	498.28	
26 05 26 00-0129	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with flat steel cover.	680.82	
26 05 26 00-0130	EA		8" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	478.35	
26 05 26 00-0131	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Slotted Ground Access Well..... Note: Schedule 40 with plastic cover.	514.32	
26 05 26 00-0132	EA		10" Diameter x 36" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	900.00	
26 05 26 00-0133	EA		10" Diameter x 42" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	1,135.74	
26 05 26 00-0134	EA		12" Diameter x 12" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	508.39	
26 05 26 00-0135	EA		12" Diameter x 24" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	687.61	
26 05 26 00-0136	EA		12" Diameter x 30" Deep Polyvinyl Chloride (PVC) Schedule 80 Ground Access Well..... Note: With cast iron cover, heavy duty.	680.38	
<b>26 05 26 00-0137</b>			<b>Polymer Concrete Ground Access Well</b> (26 05 26 00-0110)		
26 05 26 00-0138	EA		12" x 12" x 12" Polymer Concrete Ground Access Well.....	581.26	
26 05 26 00-0139	EA		12" x 12" x 12" Heavy Duty Polymer Concrete Ground Access Well.....	636.14	
26 05 26 00-0140	EA		12" x 12" x 18" Polymer Concrete Ground Access Well.....	639.47	
26 05 26 00-0141	EA		12" x 12" x 18" Heavy Duty Polymer Concrete Ground Access Well.....	699.79	
26 05 26 00-0142	EA		12" x 12" x 24" Polymer Concrete Ground Access Well.....	699.87	
26 05 26 00-0143	EA		12" x 12" x 24" Heavy Duty Polymer Concrete Ground Access Well.....	766.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 26 00-0144	EA		13" x 24" x 18" Polymer Concrete Ground Access Well .....	928.10	
26 05 26 00-0145	EA		13" x 24" x 18" Heavy Duty Polymer Concrete Ground Access Well .....	1,018.26	
<b>26 05 26 00-0146</b>			<b>High Density Polyethylene (HDPE) Ground Access Well</b> <small>(26 05 26 00-0110)</small>		
26 05 26 00-0147	EA		9" Diameter x 10" Deep High Density Polyethylene (HDPE) Ground Access Well .....	220.26	
			Note: With cover.		
26 05 26 00-0148	EA		14" Diameter x 18" Deep High Density Polyethylene (HDPE) Ground Access Well .....	304.78	
			Note: With cover.		
<b>26 05 26 00-0149</b>			<b>Clay Tile Ground Access Wells</b> <small>(26 05 26 00-0110)</small>		
26 05 26 00-0150	EA		8" Diameter x 24" Deep Clay Tile Ground Access Well With Concrete Cover .....	346.46	
26 05 26 00-0151	EA		8" Diameter x 24" Deep Clay Tile Ground Access Well With Cast Iron Grated Cover .....	363.06	
26 05 26 00-0152	EA		Concrete Cover For 8" Diameter x 24" Deep Clay Tile Ground Access Well .....	106.83	
<b>26 05 26 00-0153</b>			<b>Ground Rod Clamps And Fittings</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0154</b>			<b>Bronze Ground Rod Clamp</b> <small>(26 05 26 00-0153)</small>		
26 05 26 00-0155	EA		1/2" Bronze Ground Rod Clamp .....	29.59	17.42
26 05 26 00-0156	EA		5/8" Bronze Ground Rod Clamp .....	30.74	17.42
26 05 26 00-0157	EA		3/4" Bronze Ground Rod Clamp .....	32.37	17.42
<b>26 05 26 00-0158</b>			<b>Bronze Pipe Clamps</b> <small>(26 05 26 00-0153)</small>		
26 05 26 00-0159	EA		1/2" To 1" Bronze Pipe Ground Clamps .....	40.71	28.98
26 05 26 00-0160	EA		1-1/4" To 2" Bronze Ground Clamps For Pipe .....	51.06	34.68
26 05 26 00-0161	EA		2-1/2" To 3" Bronze Ground Clamps For Pipe .....	72.03	40.54
26 05 26 00-0162	EA		2-1/2" To 4" Bronze Ground Clamps For Pipe .....	89.00	52.11
26 05 26 00-0163	EA		4" To 6" Bronze Ground Clamps For Pipe .....	134.65	75.23
<b>26 05 26 00-0164</b>			<b>Grounding Fittings</b> <small>(26 05 26 00-0153)</small>		
<b>26 05 26 00-0165</b>			<b>Embedded Fittings</b> <small>(26 05 26 00-0164)</small>		
26 05 26 00-0166	EA		Ground Insert With Two 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded .....	198.92	
26 05 26 00-0167	EA		Ground Insert With Four 3/8 x 16 Holes #2 To 250 MCM Cable Range, Embedded .....	209.35	
26 05 26 00-0168	EA		Ground Insert With Four 3/8 x 16 Holes 250 To 500 MCM Cable Range, Embedded .....	227.86	
26 05 26 00-0169	EA		#8 To 1 AWG, Copper To Aluminum, Grounding Wire Splice .....	201.75	
26 05 26 00-0170	EA		1/0 To 3/0 AWG, Copper To Aluminum, Grounding Wire Splice .....	241.79	
26 05 26 00-0171	EA		4/0 To 300 MCM, Copper To Aluminum, Grounding Wire Splice .....	283.35	
26 05 26 00-0172	EA		350 To 500 MCM, Copper To Aluminum, Grounding Wire Splice .....	318.71	
<b>26 05 26 00-0173</b>			<b>Ground Rod Receptacle</b> <small>(26 05 26 00-0164)</small>		
26 05 26 00-0174	EA		1/2" Ground Rod Receptacle .....	427.05	160.31
26 05 26 00-0175	EA		5/8" Ground Rod Receptacle .....	445.19	164.83
26 05 26 00-0176	EA		3/4" Ground Rod Receptacle .....	463.80	169.31
<b>26 05 26 00-0177</b>			<b>Ground Kits For Circuit Breaker Panels</b> <small>(26 05 26 00-0164)</small>		
26 05 26 00-0178	EA		14-8 AWG Copper Ground Kit .....	96.72	38.54
26 05 26 00-0179	EA		12-8 AWG Aluminum Ground Kit .....	103.47	38.54
26 05 26 00-0180	EA		14-4 AWG Copper Ground Kit .....	105.49	38.54
26 05 26 00-0181	EA		12-4 AWG Aluminum Ground Kit .....	121.94	38.54
<b>26 05 26 00-0182</b>			<b>Insulated Grounding Bars</b> <small>(26 05 26 00-0153)</small>		
26 05 26 00-0183	EA		1/2" x 4" x 10" Insulated Ground Bar .....	385.53	38.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.36	
26 05 26 00-0184	EA		Insulated Ground Bar SK 9560 1/2" x 4" x 20" .....	402.48	38.69
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.36	
<b>26 05 26 00-0185</b>			<b>Ground Conductor Bonding</b> <small>(26 05 26)</small>		
<b>26 05 26 00-0186</b>			<b>Ground Conductor Bonding</b> <small>(26 05 26 00-0185)</small>		
<b>26 05 26 00-0187</b>			<b>Splice, Lug, Ground Rod, Rebar Or Structural Steel Cadweld</b> <small>(26 05 26 00-0186)</small>		
26 05 26 00-0188	EA		Up To #6 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	174.43	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0189	EA		#4 To #1 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	189.85	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0190	EA		1/0 To 4/0 AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	205.26	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0191	EA		250 To 1,000 MCM AWG Cadweld Connection For Splice, Lug, Ground Rod, Rebar Or Structural Steel .....	297.74	
			Note: Includes molds, materials and all necessary tools to make connections.		
<b>26 05 26 00-0192</b>			<b>Tee, Wye Or Cross Cadweld</b> <small>(26 05 26 00-0186)</small>		
26 05 26 00-0193	EA		Up To #6 AWG Cadweld Connection For Tee, Wye Or Cross .....	197.56	
			Note: Includes molds, materials and all necessary tools to make connections.		
26 05 26 00-0194	EA		#4 To #1 AWG Cadweld Connection For Tee, Wye Or Cross .....	228.38	
			Note: Includes molds, materials and all necessary tools to make connections.		



**26 Electrical****26 05 Common Work Results for Electrical****26 05 26 Grounding and Bonding for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 26 00-0195	EA	1/0 To 4/0 AWG Cadweld Connection For Tee, Wye Or Cross ..... Note: Includes molds, materials and all necessary tools to make connections.		282.33	
26 05 26 00-0196	EA	250 To 1,000 MCM AWG Cadweld Connection For Tee, Wye Or Cross ..... Note: Includes molds, materials and all necessary tools to make connections.		343.98	
26 05 26 00-0197		<b>Grounding Equipment</b> (26 05 26)			
26 05 26 00-0198		<b>Special Grounding Equipment</b> (26 05 26 00-0197)			
26 05 26 00-0199		<b>Ground Reels And Ground Bus</b> (26 05 26 00-0198)			
26 05 26 00-0200	EA	Ground Reel With 50' Of Galvanized Steel Cable.....		836.03	
26 05 26 00-0201		<b>Copper Bars</b> (26 05 26 00-0198)			
26 05 26 00-0202	LF	1/4" x 2" Copper Bar .....		49.41	
26 05 26 00-0203		<b>Phenolic Insulators</b> (26 05 26 00-0198)			
26 05 26 00-0204	EA	2" x 2" x 1" Long Phenolic Insulators ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		38.69 9.25	
26 05 26 00-0205		<b>Grounding Studs</b> (26 05 26 00-0198)			
26 05 26 00-0206	EA	Ball Grounding Stud..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		56.29 13.80	
26 05 26 00-0207		<b>Equipment Ground Bar Kits</b> (26 05 26 00-0198)			
26 05 26 00-0208	EA	Switch Rating 30 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		42.62 9.25	
26 05 26 00-0209	EA	Switch Rating 60 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		53.32 10.17	
26 05 26 00-0210	EA	Switch Rating 100 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		61.94 11.56	
26 05 26 00-0211	EA	Switch Rating 200 Ground Bar Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		103.20 13.87	
26 05 26 00-0212		<b>Panelboard Ground Bar Kits</b> (26 05 26 00-0198)			
26 05 26 00-0213	EA	Panelboard Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		143.76 11.56	11.56
26 05 26 00-0214		<b>Circuit Breaker Ground Bar Kits</b> (26 05 26 00-0198)			
26 05 26 00-0215	EA	3 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		34.91 6.94	6.94
26 05 26 00-0216	EA	4 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		34.37 6.94	6.94
26 05 26 00-0217	EA	7 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		35.27 6.94	6.94
26 05 26 00-0218	EA	12 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		40.00 7.86	7.86
26 05 26 00-0219	EA	20 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		45.44 8.79	8.78
26 05 26 00-0220	EA	24 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		50.15 9.71	9.72
26 05 26 00-0221	EA	30 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		56.23 11.10	11.10
26 05 26 00-0222	EA	54 Circuit, Ground Bar Kit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		65.11 12.95	12.94
26 05 26 00-0223	EA	24 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		68.47 9.71	9.72
26 05 26 00-0224	EA	30 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		76.00 11.10	11.10
26 05 26 00-0225	EA	54 Circuit, Ground Bar Kit With #1 To 4/0 Aluminum/Copper Lug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		85.07 12.95	12.94
<b>26 05 29 Hangers and Supports for Electrical Systems</b>					
26 05 29 00-0001		<b>Metal Framing Channel And Fittings</b> (26 05 29) See CSI section 05 43 00 00-0001 for additional unistrut fittings.			
26 05 29 00-0002		<b>Metal Framing Channel</b> (26 05 29 00-0001) Note: Excludes fasteners and accessories.			
26 05 29 00-0003		<b>14 Gauge Metal Framing Channels</b> (26 05 29 00-0002)			
26 05 29 00-0004		<b>14 Gauge, Steel Unistrut Channel</b> (26 05 29 00-0003)			
26 05 29 00-0005	EA	Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....		27.33	8.45
26 05 29 00-0006	EA	>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel .....		30.71	8.45
26 05 29 00-0007	LF	>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, Steel Unistrut Channel.....		13.97	3.18
26 05 29 00-0008		<b>14 Gauge, 304 Stainless Steel Unistrut Channel</b> (26 05 29 00-0003)			
26 05 29 00-0009	EA	Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....		45.81	8.45

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0010	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	50.60	8.45
26 05 29 00-0011	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	67.67	8.45
26 05 29 00-0012	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	77.25	8.45
26 05 29 00-0013	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	32.44	3.18
26 05 29 00-0014	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 14 Gauge, 304 Stainless Steel Unistrut Channel.....	37.23	3.18
<b>26 05 29 00-0015</b>			<b>14 Gauge, 316 Stainless Steel Unistrut Channel (26 05 29 00-0003)</b>		
26 05 29 00-0016	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	66.49	8.45
26 05 29 00-0017	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	109.03	8.45
26 05 29 00-0018	LF		>2' Length x 1-5/8" Wide x 13/16" High, 14 Gauge, 316 Stainless Steel Unistrut Channel.....	53.12	3.18
<b>26 05 29 00-0019</b>			<b>12 Gauge Metal Framing Channels (26 05 29 00-0002)</b>		
<b>26 05 29 00-0020</b>			<b>12 Gauge, Steel Unistrut Channel (26 05 29 00-0019)</b>		
26 05 29 00-0021	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	29.19	8.45
26 05 29 00-0022	EA		Up To 1' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	28.56	8.45
26 05 29 00-0023	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	28.15	8.45
26 05 29 00-0024	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	34.42	8.45
26 05 29 00-0025	EA		>1' To 2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	33.17	8.45
26 05 29 00-0026	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	32.35	8.45
26 05 29 00-0027	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, Steel Unistrut Channel.....	15.83	3.18
26 05 29 00-0028	LF		>2' Length x 1-5/8" Wide x 1-3/8" High, 12 Gauge, Steel Unistrut Channel.....	15.20	3.18
26 05 29 00-0029	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, Steel Unistrut Channel.....	14.79	3.18
<b>26 05 29 00-0030</b>			<b>12 Gauge, 304 Stainless Steel Unistrut Channel (26 05 29 00-0019)</b>		
26 05 29 00-0031	EA		Up To 1' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	52.19	8.45
26 05 29 00-0032	EA		Up To 1' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	60.45	8.45
26 05 29 00-0033	EA		>1' To 2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	80.43	8.45
26 05 29 00-0034	EA		>1' To 2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	96.95	8.45
26 05 29 00-0035	LF		>2' Length x 1-5/8" Wide x 13/16" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	38.83	3.18
26 05 29 00-0036	LF		>2' Length x 1-5/8" Wide x 1-5/8" High, 12 Gauge, 304 Stainless Steel Unistrut Channel.....	47.09	3.18
<b>26 05 29 00-0037</b>			<b>Metal Framing Channel Fittings (26 05 29 00-0001)</b>		
<b>26 05 29 00-0038</b>			<b>Unistrut Channel Closure Strips And Caps (26 05 29 00-0037)</b>		
<b>26 05 29 00-0039</b>			<b>Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)</b>		
26 05 29 00-0040	LF		Steel Raceway Closure Strip, Unistrut Channel Fittings.....	7.89	0.77
26 05 29 00-0041	EA		Steel End Cap, Unistrut Channel Fittings.....	6.36	1.93
<b>26 05 29 00-0042</b>			<b>Stainless Steel Unistrut Channel Closure Strips And Caps (26 05 29 00-0038)</b>		
26 05 29 00-0043	EA		Stainless Steel End Cap For Unistrut Channel.....	16.23	1.93
<b>26 05 29 00-0044</b>			<b>Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0037)</b>		
<b>26 05 29 00-0045</b>			<b>Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)</b>		
26 05 29 00-0046	EA		2-Hole, 3-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.94	
26 05 29 00-0047	EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	7.90	
26 05 29 00-0048	EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, Steel, Unistrut Channel Fitting.....	9.53	
<b>26 05 29 00-0049</b>			<b>Stainless Steel Flat Splice Plate, Unistrut Channel Fittings (26 05 29 00-0044)</b>		
26 05 29 00-0050	EA		2-Hole, 3-1/2" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	23.13	
26 05 29 00-0051	EA		3-Hole, 5-3/8" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	34.37	
26 05 29 00-0052	EA		4-Hole, 7-1/4" Length, In-Line, Flat Splice Plate, 304 Stainless Steel, Unistrut Channel Fitting.....	43.88	
<b>26 05 29 00-0053</b>			<b>90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)</b>		
<b>26 05 29 00-0054</b>			<b>Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)</b>		
26 05 29 00-0055	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	7.70	
26 05 29 00-0056	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	6.50	
26 05 29 00-0057	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	10.98	
26 05 29 00-0058	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, Steel, Unistrut Channel Fitting.....	10.83	
<b>26 05 29 00-0059</b>			<b>Stainless Steel 90 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0053)</b>		
26 05 29 00-0060	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	13.28	
26 05 29 00-0061	EA		2-Hole, 1-7/8" x 2", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	16.58	
26 05 29 00-0062	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	14.08	
26 05 29 00-0063	EA		2-Hole, 1-5/8" x 2-1/4", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	19.96	
26 05 29 00-0064	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	18.25	
26 05 29 00-0065	EA		3-Hole, 1-5/8" x 4-1/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	33.59	
26 05 29 00-0066	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 304 Stainless Steel, Unistrut Channel Fitting.....	19.18	
26 05 29 00-0067	EA		3-Hole, 1-7/8" x 3-7/8", 90 Degree Angle, 316 Stainless Steel, Unistrut Channel Fitting.....	27.77	
<b>26 05 29 00-0068</b>			<b>60 Degree Angle, Unistrut Channel Fittings (26 05 29 00-0037)</b>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 29 00-0069		<b>Steel 60 Degree Angle, Unistrut Channel Fittings</b> (26 05 29 00-0068)			
26 05 29 00-0070	EA	2-Hole, 1-7/8" x 3-3/8", 60 Degree Angle, Steel, Unistrut Channel Fitting .....	15.56		
26 05 29 00-0071		<b>U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0037)			
26 05 29 00-0072		<b>Steel, U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0071)			
26 05 29 00-0073	EA	3-Hole, 1-5/8" x 13/16", U-Connector, Steel, Unistrut Channel Fitting .....	5.72		
26 05 29 00-0074	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, Steel, Unistrut Channel Fitting .....	6.34		
26 05 29 00-0075		<b>Stainless Steel, U-Connector, Unistrut Channel Fittings</b> (26 05 29 00-0071)			
26 05 29 00-0076	EA	5-Hole, 1-5/8" x 1-5/8", U-Connector, 304 Stainless Steel, Unistrut Channel Fitting.....	27.58		
26 05 29 00-0077		<b>Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0037)			
26 05 29 00-0078		<b>Steel Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0077)			
26 05 29 00-0079	EA	3-Hole, Z-Bracket, Steel, Unistrut Channel Fitting .....	15.96		
26 05 29 00-0080		<b>Stainless Steel Z-Bracket, Unistrut Channel Fittings</b> (26 05 29 00-0077)			
26 05 29 00-0081	EA	3-Hole, Z-Bracket, 304 Stainless Steel, Unistrut Channel Fitting.....	53.55		
26 05 29 00-0082		<b>Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0037) Note: Includes hex screw and nut.			
26 05 29 00-0083		<b>Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0082) Note: Includes hex screw and nut.			
26 05 29 00-0084	EA	1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.39	2.32	
26 05 29 00-0085	EA	3/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.42	2.32	
26 05 29 00-0086	EA	1" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	6.56	2.32	
26 05 29 00-0087	EA	1-1/4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	8.30	3.08	
26 05 29 00-0088	EA	1-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	9.02	3.08	
26 05 29 00-0089	EA	2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	9.09	3.08	
26 05 29 00-0090	EA	2-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	11.15	3.86	
26 05 29 00-0091	EA	3" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	11.78	3.86	
26 05 29 00-0092	EA	3-1/2" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	12.39	3.86	
26 05 29 00-0093	EA	4" Diameter, Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel .....	12.61	3.86	
26 05 29 00-0094		<b>304 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0082) Note: Includes hex screw and nut.			
26 05 29 00-0095	EA	1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	10.66	2.32	
26 05 29 00-0096	EA	3/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.91	2.32	
26 05 29 00-0097	EA	1" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.16	2.32	
26 05 29 00-0098	EA	1-1/4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.36	3.08	
26 05 29 00-0099	EA	1-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	19.84	3.08	
26 05 29 00-0100	EA	2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	20.76	3.08	
26 05 29 00-0101	EA	2-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	24.91	3.86	
26 05 29 00-0102	EA	3" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	28.01	3.86	
26 05 29 00-0103	EA	3-1/2" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	29.34	3.86	
26 05 29 00-0104	EA	4" Diameter, 304 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	34.26	3.86	
26 05 29 00-0105		<b>316 Stainless Steel, Standard Pipe And Rigid Conduit Clamps For Unistrut Channel</b> (26 05 29 00-0082) Note: Includes hex screw and nut.			
26 05 29 00-0106	EA	1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	11.42	2.32	
26 05 29 00-0107	EA	3/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.20	2.32	
26 05 29 00-0108	EA	1" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	13.70	2.32	
26 05 29 00-0109	EA	1-1/4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	16.61	3.08	
26 05 29 00-0110	EA	1-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	22.70	3.08	
26 05 29 00-0111	EA	2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	23.01	3.08	
26 05 29 00-0112	EA	2-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	27.26	3.86	
26 05 29 00-0113	EA	3" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	28.84	3.86	
26 05 29 00-0114	EA	3-1/2" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	40.06	3.86	
26 05 29 00-0115	EA	4" Diameter, 316 Stainless Steel, Standard Pipe And Rigid Conduit Clamp For Unistrut Channel.....	46.91	3.86	
26 05 29 00-0116		<b>Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0037)			
26 05 29 00-0117		<b>Steel Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0116)			
26 05 29 00-0118	EA	Set Screw Beam Clamp, Steel Unistrut Channel Fitting .....	46.67	14.08	
26 05 29 00-0119	EA	"C" Beam Clamp Use With 1/2" Rod, Steel Unistrut Channel Fittings .....	32.43	14.08	
26 05 29 00-0120	EA	"U" Bolt Beam Clamp, Steel Unistrut Channel Fitting .....	45.23	14.08	
26 05 29 00-0121		<b>304 Stainless Steel Beam Clamps, Unistrut Channel Fittings</b> (26 05 29 00-0116)			
26 05 29 00-0122	EA	"U" Bolt Beam Clamp, 304 Stainless Steel Unistrut Channel Fitting.....	65.28	14.08	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST

26 05 29 00-0123			Square Washers For Unistrut Channel <small>(26 05 29 00-0037)</small>		
26 05 29 00-0124			Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0125	EA		1/2" Bolt Size, Steel, Square Washer For Unistrut Channel .....	5.65	
26 05 29 00-0126			Stainless Steel Square Washers For Unistrut Channel <small>(26 05 29 00-0123)</small>		
26 05 29 00-0127	EA		1/2" Bolt Size, 304 Stainless Steel, Square Washer For Unistrut Channel .....	6.63	
26 05 29 00-0128	EA		1/2" Bolt Size, 316 Stainless Steel, Square Washer For Unistrut Channel .....	8.34	
26 05 29 00-0129			Strut Braces, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0130	EA		16" Diagonal Steel Bar Brace For Unistrut Channel .....	43.24	
26 05 29 00-0131			Trolley Hangers, Unistrut Channel Fittings <small>(26 05 29 00-0037)</small>		
26 05 29 00-0132	EA		Steel Trolley Track Hanger For Unistrut Channel .....	53.85	
26 05 29 00-0133			Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0037)</small>		
			Note: Includes hex bolt.		
26 05 29 00-0134			Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small>		
			Note: Includes hex bolt.		
26 05 29 00-0135	EA		1/4-20, Steel Lock Nut With Spring For Unistrut Channel .....	10.17	
26 05 29 00-0136	EA		3/8-16, Steel Lock Nut With Spring For Unistrut Channel .....	11.04	
26 05 29 00-0137	EA		1/2-13, Steel Lock Nut With Spring For Unistrut Channel .....	11.70	
26 05 29 00-0138	EA		5/8-11, Steel Lock Nut With Spring For Unistrut Channel .....	15.22	
26 05 29 00-0139			Stainless Steel Lock Nuts With Spring For Unistrut Channel <small>(26 05 29 00-0133)</small>		
			Note: Includes hex bolt.		
26 05 29 00-0140	EA		1/4-20, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	21.15	
26 05 29 00-0141	EA		3/8-16, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	22.32	
26 05 29 00-0142	EA		1/2-13, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	30.33	
26 05 29 00-0143	EA		5/8-11, 316 Stainless Steel Lock Nut With Spring For Unistrut Channel .....	49.75	
26 05 29 00-0144			Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0037)</small>		
			Note: Includes hex bolt.		
26 05 29 00-0145			Steel Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0144)</small>		
			Note: Includes hex bolt.		
26 05 29 00-0146	EA		1/4-20, Steel Lock Nut Without Spring For Unistrut Channel .....	10.20	
26 05 29 00-0147	EA		3/8-16, Steel Lock Nut Without Spring For Unistrut Channel .....	11.16	
26 05 29 00-0148	EA		1/2-13, Steel Lock Nut Without Spring For Unistrut Channel .....	11.75	
26 05 29 00-0149	EA		5/8-11, Steel Lock Nut Without Spring For Unistrut Channel .....	16.23	
26 05 29 00-0150			Stainless Steel Lock Nuts Without Spring For Unistrut Channel <small>(26 05 29 00-0144)</small>		
			Note: Includes hex bolt.		
26 05 29 00-0151	EA		1/4-20, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	16.01	
26 05 29 00-0152	EA		3/8-16, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	18.68	
26 05 29 00-0153	EA		1/2-13, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	20.09	
26 05 29 00-0154	EA		5/8-11, 316 Stainless Steel Lock Nut Without Spring For Unistrut Channel .....	48.55	
26 05 29 00-0155			Mounting Assemblies <small>(26 05 29)</small>		
26 05 29 00-0156			Galvanized Steel Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0157			Galvanized Steel Back Plate <small>(26 05 29 00-0156)</small>		
26 05 29 00-0158	EA		1/4" x 4' x 4', Galvanized Steel Back Plate, Painted .....	596.39	92.49
26 05 29 00-0159	EA		3/8" x 14" x 16", Galvanized Steel Back Plate, Painted .....	148.85	30.83
26 05 29 00-0160	EA		3/16" x 30" x 48", Galvanized Steel Back Plate, Painted .....	376.66	77.07
26 05 29 00-0161			Aluminum Mounting Assemblies <small>(26 05 29 00-0155)</small>		
26 05 29 00-0162			Aluminum Back Plate <small>(26 05 29 00-0161)</small>		
26 05 29 00-0163	EA		3/16" x 2' x 2' Aluminum Back Plate .....	503.10	115.61
26 05 29 00-0164	EA		3/16" x 4' x 4' Aluminum Back Plate .....	1,389.66	115.61
26 05 29 00-0165			Supports <small>(26 05 29)</small>		
26 05 29 00-0166			One Hole Steel Conduit Straps <small>(26 05 29 00-0165)</small>		
26 05 29 00-0167	EA		1/2", One Hole Steel Conduit Strap .....	5.48	
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.26	
			<i>For &gt;100 To 250, Deduct</i>	-0.52	
			<i>For &gt;250 To 500, Deduct</i>	-1.03	
			<i>For &gt;500, Deduct</i>	-1.53	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0168	EA 3/4", One Hole Steel Conduit Strap .....5.53		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.26	
	<i>For &gt;100 To 250, Deduct</i>	-0.52	
	<i>For &gt;250 To 500, Deduct</i>	-1.03	
	<i>For &gt;500, Deduct</i>	-1.54	
26 05 29 00-0169	EA 1", One Hole Steel Conduit Strap .....5.79		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.27	
	<i>For &gt;100 To 250, Deduct</i>	-0.54	
	<i>For &gt;250 To 500, Deduct</i>	-1.05	
	<i>For &gt;500, Deduct</i>	-1.57	
26 05 29 00-0170	EA 1-1/4", One Hole Steel Conduit Strap .....5.98		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.27	
	<i>For &gt;100 To 250, Deduct</i>	-0.55	
	<i>For &gt;250 To 500, Deduct</i>	-1.06	
	<i>For &gt;500, Deduct</i>	-1.58	
26 05 29 00-0171	EA 1-1/2", One Hole Steel Conduit Strap .....6.11		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.28	
	<i>For &gt;100 To 250, Deduct</i>	-0.55	
	<i>For &gt;250 To 500, Deduct</i>	-1.07	
	<i>For &gt;500, Deduct</i>	-1.60	
26 05 29 00-0172	EA 2", One Hole Steel Conduit Strap .....6.91		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.30	
	<i>For &gt;100 To 250, Deduct</i>	-0.59	
	<i>For &gt;250 To 500, Deduct</i>	-1.13	
	<i>For &gt;500, Deduct</i>	-1.68	
26 05 29 00-0173	EA 2-1/2", One Hole Steel Conduit Strap .....7.72		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.32	
	<i>For &gt;100 To 250, Deduct</i>	-0.63	
	<i>For &gt;250 To 500, Deduct</i>	-1.20	
	<i>For &gt;500, Deduct</i>	-1.76	
26 05 29 00-0174	EA 3", One Hole Steel Conduit Strap .....7.98		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.32	
	<i>For &gt;100 To 250, Deduct</i>	-0.65	
	<i>For &gt;250 To 500, Deduct</i>	-1.21	
	<i>For &gt;500, Deduct</i>	-1.78	
26 05 29 00-0175	EA 3-1/2", One Hole Steel Conduit Strap .....9.32		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.36	
	<i>For &gt;100 To 250, Deduct</i>	-0.71	
	<i>For &gt;250 To 500, Deduct</i>	-1.32	
	<i>For &gt;500, Deduct</i>	-1.92	
26 05 29 00-0176	EA 4", One Hole Steel Conduit Strap .....10.38		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.38	
	<i>For &gt;100 To 250, Deduct</i>	-0.77	
	<i>For &gt;250 To 500, Deduct</i>	-1.39	
	<i>For &gt;500, Deduct</i>	-2.02	
<b>26 05 29 00-0177</b>	<b>One Hole Iron Conduit Straps</b> (26 05 29 00-0165)		
26 05 29 00-0178	EA 1/2", One Hole Iron Conduit Strap .....5.61		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.26	
	<i>For &gt;100 To 250, Deduct</i>	-0.53	
	<i>For &gt;250 To 500, Deduct</i>	-1.04	
	<i>For &gt;500, Deduct</i>	-1.55	
26 05 29 00-0179	EA 3/4", One Hole Iron Conduit Strap .....5.73		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.27	
	<i>For &gt;100 To 250, Deduct</i>	-0.53	
	<i>For &gt;250 To 500, Deduct</i>	-1.05	
	<i>For &gt;500, Deduct</i>	-1.56	
26 05 29 00-0180	EA 1", One Hole Iron Conduit Strap .....5.96		
	<i>For Work In Restricted Working Space, Add</i>	1.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
	<i>For &gt;50 To 100, Deduct</i>	-0.27	
	<i>For &gt;100 To 250, Deduct</i>	-0.54	
	<i>For &gt;250 To 500, Deduct</i>	-1.06	
	<i>For &gt;500, Deduct</i>	-1.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 05 29 00-0181	EA		1-1/4", One Hole Iron Conduit Strap .....6.51		
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.57	
			<i>For &gt;250 To 500, Deduct</i>	-1.10	
			<i>For &gt;500, Deduct</i>	-1.64	
26 05 29 00-0182	EA		1-1/2", One Hole Iron Conduit Strap .....6.74		
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.29	
			<i>For &gt;100 To 250, Deduct</i>	-0.58	
			<i>For &gt;250 To 500, Deduct</i>	-1.12	
			<i>For &gt;500, Deduct</i>	-1.66	
26 05 29 00-0183	EA		2", One Hole Iron Conduit Strap .....8.14		
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.33	
			<i>For &gt;100 To 250, Deduct</i>	-0.65	
			<i>For &gt;250 To 500, Deduct</i>	-1.23	
			<i>For &gt;500, Deduct</i>	-1.80	
26 05 29 00-0184	EA		2-1/2", One Hole Iron Conduit Strap .....11.15		
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.40	
			<i>For &gt;100 To 250, Deduct</i>	-0.80	
			<i>For &gt;250 To 500, Deduct</i>	-1.45	
			<i>For &gt;500, Deduct</i>	-2.10	
26 05 29 00-0185	EA		3", One Hole Iron Conduit Strap .....13.66		
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.46	
			<i>For &gt;100 To 250, Deduct</i>	-0.93	
			<i>For &gt;250 To 500, Deduct</i>	-1.64	
			<i>For &gt;500, Deduct</i>	-2.35	
26 05 29 00-0186	EA		3-1/2", One Hole Iron Conduit Strap .....17.33		
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.56	
			<i>For &gt;100 To 250, Deduct</i>	-1.11	
			<i>For &gt;250 To 500, Deduct</i>	-1.92	
			<i>For &gt;500, Deduct</i>	-2.72	
26 05 29 00-0187	EA		4", One Hole Iron Conduit Strap .....32.02		
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-0.92	
			<i>For &gt;100 To 250, Deduct</i>	-1.85	
			<i>For &gt;250 To 500, Deduct</i>	-3.02	
			<i>For &gt;500, Deduct</i>	-4.19	
26 05 29 00-0188	EA		5", One Hole Iron Conduit Strap .....39.92		
			<i>For Work In Restricted Working Space, Add</i>	1.48	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.33	
			<i>For &gt;50 To 100, Deduct</i>	-1.12	
			<i>For &gt;100 To 250, Deduct</i>	-2.24	
			<i>For &gt;250 To 500, Deduct</i>	-3.61	
			<i>For &gt;500, Deduct</i>	-4.98	
<b>26 05 29 00-0189</b>			<b>Two Hole Steel Conduit Straps</b> <small>(26 05 29 00-0185)</small>		
26 05 29 00-0190	EA		1/2", Two Hole Steel Conduit Strap .....6.32		
			<i>For Work In Restricted Working Space, Add</i>	1.66	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.59	
			<i>For &gt;250 To 500, Deduct</i>	-1.17	
			<i>For &gt;500, Deduct</i>	-1.74	
26 05 29 00-0191	EA		3/4", Two Hole Steel Conduit Strap .....6.41		
			<i>For Work In Restricted Working Space, Add</i>	1.66	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.17	
			<i>For &gt;500, Deduct</i>	-1.75	
26 05 29 00-0192	EA		1", Two Hole Steel Conduit Strap .....6.45		
			<i>For Work In Restricted Working Space, Add</i>	1.66	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.18	
			<i>For &gt;500, Deduct</i>	-1.75	
26 05 29 00-0193	EA		1-1/4", Two Hole Steel Conduit Strap .....6.52		
			<i>For Work In Restricted Working Space, Add</i>	1.66	
			<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.59	
			<i>For &gt;50 To 100, Deduct</i>	-0.30	
			<i>For &gt;100 To 250, Deduct</i>	-0.60	
			<i>For &gt;250 To 500, Deduct</i>	-1.18	
			<i>For &gt;500, Deduct</i>	-1.76	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0194	EA 1-1/2", Two Hole Steel Conduit Strap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	6.56 1.66 1.59 -0.30 -0.61 -1.18 -1.76	
26 05 29 00-0195	EA 2", Two Hole Steel Conduit Strap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	6.67 1.66 1.59 -0.31 -0.61 -1.19 -1.78	
26 05 29 00-0196	EA 2-1/2", Two Hole Steel Conduit Strap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	7.28 1.66 1.59 -0.32 -0.64 -1.24 -1.84	
26 05 29 00-0197	EA 3", Two Hole Steel Conduit Strap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	7.41 1.66 1.59 -0.32 -0.65 -1.25 -1.85	
26 05 29 00-0198	EA 3-1/2", Two Hole Steel Conduit Strap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	7.88 1.66 1.59 -0.34 -0.67 -1.28 -1.90	
26 05 29 00-0199	EA 4", Two Hole Steel Conduit Strap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	8.21 1.66 1.59 -0.34 -0.69 -1.31 -1.93	
26 05 29 00-0200	EA 5", Two Hole Steel Conduit Strap ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	8.64 1.66 1.59 -0.35 -0.71 -1.34 -1.97	
<b>26 05 29 00-0201</b>	<b>Clamp Back Spacers (26 05 29 00-0165)</b>		
26 05 29 00-0202	EA 1/2" Conduit, Clamp Back Spacer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	4.99 1.16 1.06 -0.22 -0.44 -0.86 -1.27	
26 05 29 00-0203	EA 3/4" Conduit, Clamp Back Spacer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.37 1.16 1.06 -0.23 -0.46 -0.88 -1.31	
26 05 29 00-0204	EA 1" Conduit, Clamp Back Spacer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	5.73 1.16 1.06 -0.24 -0.48 -0.91 -1.34	
26 05 29 00-0205	EA 1-1/4" Conduit, Clamp Back Spacer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	7.11 1.16 1.06 -0.27 -0.55 -1.01 -1.48	
26 05 29 00-0206	EA 1-1/2" Conduit, Clamp Back Spacer ..... <i>For Work In Restricted Working Space, Add</i> <i>For Installation On Concrete (Includes Drilling And Fastener), Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	8.23 1.16 1.06 -0.30 -0.60 -1.10 -1.59	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0207 EA 2" Conduit, Clamp Back Spacer .....	9.40	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.33	
For >100 To 250, Deduct	-0.66	
For >250 To 500, Deduct	-1.19	
For >500, Deduct	-1.71	
26 05 29 00-0208 EA 2-1/2" Conduit, Clamp Back Spacer .....	14.16	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.45	
For >100 To 250, Deduct	-0.90	
For >250 To 500, Deduct	-1.54	
For >500, Deduct	-2.19	
26 05 29 00-0209 EA 3" Conduit, Clamp Back Spacer .....	19.84	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.59	
For >100 To 250, Deduct	-1.18	
For >250 To 500, Deduct	-1.97	
For >500, Deduct	-2.75	
26 05 29 00-0210 EA 3-1/2" Conduit, Clamp Back Spacer .....	25.36	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-0.73	
For >100 To 250, Deduct	-1.46	
For >250 To 500, Deduct	-2.38	
For >500, Deduct	-3.31	
26 05 29 00-0211 EA 4" Conduit, Clamp Back Spacer .....	51.28	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-1.38	
For >100 To 250, Deduct	-2.76	
For >250 To 500, Deduct	-4.33	
For >500, Deduct	-5.90	
26 05 29 00-0212 EA 5" Conduit, Clamp Back Spacer .....	95.03	
For Work In Restricted Working Space, Add	1.16	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.06	
For >50 To 100, Deduct	-2.47	
For >100 To 250, Deduct	-4.94	
For >250 To 500, Deduct	-7.61	
For >500, Deduct	-10.27	
<b>26 05 29 00-0213 Conduit Clips (26 05 29 00-0165)</b>		
Note: Push in or clip.		
26 05 29 00-0214 EA 1/2" Conduit Clip .....	6.12	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.08	
For >500, Deduct	-1.60	
26 05 29 00-0215 EA 3/4" Conduit Clip .....	6.12	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.08	
For >500, Deduct	-1.60	
26 05 29 00-0216 EA 1" Conduit Clip .....	6.03	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.27	
For >100 To 250, Deduct	-0.55	
For >250 To 500, Deduct	-1.07	
For >500, Deduct	-1.59	
26 05 29 00-0217 EA 1-1/4" Conduit Clip .....	6.25	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.33	
For >50 To 100, Deduct	-0.28	
For >100 To 250, Deduct	-0.56	
For >250 To 500, Deduct	-1.09	
For >500, Deduct	-1.61	
<b>26 05 29 00-0218 Bolt And Nut Conduit Clips (26 05 29 00-0165)</b>		
26 05 29 00-0219 EA 3/4" Bolt And Nut Conduit Clip (Minerallac 1B) .....	7.61	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.64	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.34	
For >500, Deduct	-2.00	
26 05 29 00-0220 EA 1" Bolt And Nut Conduit Clip (Minerallac 2B) .....	7.84	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.64	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.70	
For >250 To 500, Deduct	-1.36	
For >500, Deduct	-2.02	
26 05 29 00-0221 EA 1-1/4" Bolt And Nut Conduit Clip (Minerallac 2-1/2B) .....	8.35	
For Installation On Concrete (Includes Drilling And Fastener), Add	1.74	
For >50 To 100, Deduct	-0.37	
For >100 To 250, Deduct	-0.75	
For >250 To 500, Deduct	-1.45	
For >500, Deduct	-2.15	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0222	EA 1-1/2" Bolt And Nut Conduit Clip (Minerallac 3B).....	8.48	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.74	
	<i>For &gt;50 To 100, Deduct</i>	-0.38	
	<i>For &gt;100 To 250, Deduct</i>	-0.75	
	<i>For &gt;250 To 500, Deduct</i>	-1.45	
	<i>For &gt;500, Deduct</i>	-2.16	
26 05 29 00-0223	EA 2" Bolt And Nut Conduit Clip (Minerallac 5B).....	9.36	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.74	
	<i>For &gt;50 To 100, Deduct</i>	-0.40	
	<i>For &gt;100 To 250, Deduct</i>	-0.80	
	<i>For &gt;250 To 500, Deduct</i>	-1.52	
	<i>For &gt;500, Deduct</i>	-2.25	
26 05 29 00-0224	EA 2-1/2" Bolt And Nut Conduit Clip (Minerallac 6B).....	10.12	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.84	
	<i>For &gt;50 To 100, Deduct</i>	-0.43	
	<i>For &gt;100 To 250, Deduct</i>	-0.85	
	<i>For &gt;250 To 500, Deduct</i>	-1.63	
	<i>For &gt;500, Deduct</i>	-2.40	
26 05 29 00-0225	EA 3" Bolt And Nut Conduit Clip (Minerallac 7B).....	10.90	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.84	
	<i>For &gt;50 To 100, Deduct</i>	-0.45	
	<i>For &gt;100 To 250, Deduct</i>	-0.89	
	<i>For &gt;250 To 500, Deduct</i>	-1.69	
	<i>For &gt;500, Deduct</i>	-2.48	
26 05 29 00-0226	EA 4" Bolt And Nut Conduit Clip (Minerallac 9B).....	19.02	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
	<i>For &gt;50 To 100, Deduct</i>	-0.67	
	<i>For &gt;100 To 250, Deduct</i>	-1.34	
	<i>For &gt;250 To 500, Deduct</i>	-2.39	
	<i>For &gt;500, Deduct</i>	-3.44	
<b>26 05 29 00-0227</b>	<b>Conduit Hanger From Flange, Wire Or Rod</b> <small>(26 05 29 00-0165)</small>		
	Note: Bat wing.		
26 05 29 00-0228	EA 1/2", Conduit Hanger From Flange, Wire Or Rod .....	4.44	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
	<i>For &gt;50 To 100, Deduct</i>	-0.20	
	<i>For &gt;100 To 250, Deduct</i>	-0.41	
	<i>For &gt;250 To 500, Deduct</i>	-0.80	
	<i>For &gt;500, Deduct</i>	-1.18	
26 05 29 00-0229	EA 3/4", Conduit Hanger From Flange, Wire Or Rod .....	4.51	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
	<i>For &gt;50 To 100, Deduct</i>	-0.21	
	<i>For &gt;100 To 250, Deduct</i>	-0.41	
	<i>For &gt;250 To 500, Deduct</i>	-0.80	
	<i>For &gt;500, Deduct</i>	-1.19	
26 05 29 00-0230	EA 1", Conduit Hanger From Flange, Wire Or Rod .....	4.68	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
	<i>For &gt;50 To 100, Deduct</i>	-0.21	
	<i>For &gt;100 To 250, Deduct</i>	-0.42	
	<i>For &gt;250 To 500, Deduct</i>	-0.81	
	<i>For &gt;500, Deduct</i>	-1.21	
26 05 29 00-0231	EA 1-1/4", Conduit Hanger From Flange, Wire Or Rod .....	5.12	
	<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	1.03	
	<i>For &gt;50 To 100, Deduct</i>	-0.22	
	<i>For &gt;100 To 250, Deduct</i>	-0.44	
	<i>For &gt;250 To 500, Deduct</i>	-0.85	
	<i>For &gt;500, Deduct</i>	-1.25	
<b>26 05 29 00-0232</b>	<b>Beam Flange Clamps</b> <small>(26 05 29 00-0165)</small>		
	Note: For threaded rod, nut not required.		
26 05 29 00-0233	EA 1/8" To 1/4" Flange Thickness, Beam Clamp (Caddy 6TA24) .....	6.32	
	<i>For &gt;50 To 100, Deduct</i>	-0.25	
	<i>For &gt;100 To 250, Deduct</i>	-0.51	
	<i>For &gt;250 To 500, Deduct</i>	-0.96	
	<i>For &gt;500, Deduct</i>	-1.40	
26 05 29 00-0234	EA 5/16" To 1/2" Flange Thickness, Beam Clamp (Caddy 6TA58) .....	6.20	
	<i>For &gt;50 To 100, Deduct</i>	-0.25	
	<i>For &gt;100 To 250, Deduct</i>	-0.50	
	<i>For &gt;250 To 500, Deduct</i>	-0.95	
	<i>For &gt;500, Deduct</i>	-1.39	
26 05 29 00-0235	EA 9/16" To 3/4" Flange Thickness, Beam Clamp (Caddy 6TA912) .....	6.88	
	<i>For &gt;50 To 100, Deduct</i>	-0.27	
	<i>For &gt;100 To 250, Deduct</i>	-0.54	
	<i>For &gt;250 To 500, Deduct</i>	-1.00	
	<i>For &gt;500, Deduct</i>	-1.46	
<b>26 05 29 00-0236</b>	<b>T-Bar Support Clips</b> <small>(26 05 29 00-0165)</small>		
26 05 29 00-0237	EA 9/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS95).....	10.70	
	<i>For &gt;50 To 100, Deduct</i>	-0.46	
	<i>For &gt;100 To 250, Deduct</i>	-0.92	
	<i>For &gt;250 To 500, Deduct</i>	-1.77	
	<i>For &gt;500, Deduct</i>	-2.61	
26 05 29 00-0238	EA 15/16" Grid Size, Independent T-Bar Support Clip (Caddy IDS).....	10.17	
	<i>For &gt;50 To 100, Deduct</i>	-0.45	
	<i>For &gt;100 To 250, Deduct</i>	-0.89	
	<i>For &gt;250 To 500, Deduct</i>	-1.73	
	<i>For &gt;500, Deduct</i>	-2.56	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0239 EA 15/16 Grid Size, Twist On T-Bar Support Clip (Caddy 4G16).....	3.75	
<i>For &gt;50 To 100, Deduct</i>	-0.14	
<i>For &gt;100 To 250, Deduct</i>	-0.28	
<i>For &gt;250 To 500, Deduct</i>	-0.52	
<i>For &gt;500, Deduct</i>	-0.76	
26 05 29 00-0240 EA 24" Long Snap On T-Bar Electrical Box Hanger (Caddy 512) .....	29.44	
<i>For &gt;50 To 100, Deduct</i>	-0.81	
<i>For &gt;100 To 250, Deduct</i>	-1.63	
<i>For &gt;250 To 500, Deduct</i>	-2.59	
<i>For &gt;500, Deduct</i>	-3.56	
<b>26 05 29 00-0241 Switch And Outlet Box Type Supports (26 05 29 00-0165)</b>		
26 05 29 00-0242 EA 1/4" To 3/4" Drywall Thickness, Adjustable Switch And Outlet Box Support (Caddy MFS) .....	7.58	
<i>For &gt;50 To 100, Deduct</i>	-0.27	
<i>For &gt;100 To 250, Deduct</i>	-0.53	
<i>For &gt;250 To 500, Deduct</i>	-0.95	
<i>For &gt;500, Deduct</i>	-1.37	
26 05 29 00-0243 EA 1/2" Drywall Thickness, Riveted Switch And Outlet Box Support (Caddy MF500).....	6.47	
<i>For &gt;50 To 100, Deduct</i>	-0.24	
<i>For &gt;100 To 250, Deduct</i>	-0.48	
<i>For &gt;250 To 500, Deduct</i>	-0.87	
<i>For &gt;500, Deduct</i>	-1.26	
26 05 29 00-0244 EA Flush, Riveted Switch And Outlet Box Support (Caddy MFO).....	7.42	
<i>For &gt;50 To 100, Deduct</i>	-0.26	
<i>For &gt;100 To 250, Deduct</i>	-0.53	
<i>For &gt;250 To 500, Deduct</i>	-0.94	
<i>For &gt;500, Deduct</i>	-1.36	
26 05 29 00-0245 EA Snap On, Switch And Outlet Box Support (Caddy MSF) .....	4.89	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;100 To 250, Deduct</i>	-0.40	
<i>For &gt;250 To 500, Deduct</i>	-0.75	
<i>For &gt;500, Deduct</i>	-1.11	
26 05 29 00-0246 EA 1/4-20 Thread Impression, Switch And Outlet Box Support (Caddy MFI).....	5.09	
<i>For &gt;50 To 100, Deduct</i>	-0.20	
<i>For &gt;100 To 250, Deduct</i>	-0.41	
<i>For &gt;250 To 500, Deduct</i>	-0.77	
<i>For &gt;500, Deduct</i>	-1.13	
<b>26 05 29 00-0247 Lighting Fixture Hanger (26 05 29 00-0165)</b>		
Note: For existing or owner furnished fixtures.		
26 05 29 00-0248 EA Lay-In/Troffer, Straight Lip Type Fixture Support Clip (Caddy 515).....	7.25	
<i>For &gt;50 To 100, Deduct</i>	-0.34	
<i>For &gt;100 To 250, Deduct</i>	-0.67	
<i>For &gt;250 To 500, Deduct</i>	-1.32	
<i>For &gt;500, Deduct</i>	-1.96	
26 05 29 00-0249 PR Support Bars For Recessed "High Hat" Light Fixtures (Caddy 517).....	23.71	
<i>For &gt;50 To 100, Deduct</i>	-0.75	
<i>For &gt;100 To 250, Deduct</i>	-1.49	
<i>For &gt;250 To 500, Deduct</i>	-2.55	
<i>For &gt;500, Deduct</i>	-3.61	
26 05 29 00-0250 PR Support Bars For Recessed "Lightolier" Light Fixtures (Caddy 520) .....	32.35	
<i>For &gt;50 To 100, Deduct</i>	-0.96	
<i>For &gt;100 To 250, Deduct</i>	-1.93	
<i>For &gt;250 To 500, Deduct</i>	-3.20	
<i>For &gt;500, Deduct</i>	-4.47	
<b>26 05 29 00-0251 Rigid Steel Conduit Clamps For Unistrut Channel (26 05 29 00-0165)</b>		
26 05 29 00-0252 EA 1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	6.38	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-1.06	
<i>For &gt;500, Deduct</i>	-1.56	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0253 EA 3/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	6.41	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100 To 250, Deduct</i>	-0.55	
<i>For &gt;250 To 500, Deduct</i>	-1.06	
<i>For &gt;500, Deduct</i>	-1.57	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0254 EA 1" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	6.55	
<i>For &gt;50 To 100, Deduct</i>	-0.28	
<i>For &gt;100 To 250, Deduct</i>	-0.56	
<i>For &gt;250 To 500, Deduct</i>	-1.07	
<i>For &gt;500, Deduct</i>	-1.58	
<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 29 00-0255 EA 1-1/4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	8.29	
<i>For &gt;50 To 100, Deduct</i>	-0.36	
<i>For &gt;100 To 250, Deduct</i>	-0.72	
<i>For &gt;250 To 500, Deduct</i>	-1.39	
<i>For &gt;500, Deduct</i>	-2.06	
<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 29 00-0256 EA 1-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel.....	9.01	
<i>For &gt;50 To 100, Deduct</i>	-0.38	
<i>For &gt;100 To 250, Deduct</i>	-0.76	
<i>For &gt;250 To 500, Deduct</i>	-1.45	
<i>For &gt;500, Deduct</i>	-2.14	
<i>For Work In Restricted Working Space, Add</i>	1.85	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR

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TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 29 00-0257	EA	2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	9.08
		<i>For &gt;50 To 100, Deduct</i>	-0.38
		<i>For &gt;100 To 250, Deduct</i>	-0.76
		<i>For &gt;250 To 500, Deduct</i>	-1.45
		<i>For &gt;500, Deduct</i>	-2.14
		<i>For Work In Restricted Working Space, Add</i>	1.85
26 05 29 00-0258	EA	2-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	11.14
		<i>For &gt;50 To 100, Deduct</i>	-0.47
		<i>For &gt;100 To 250, Deduct</i>	-0.94
		<i>For &gt;250 To 500, Deduct</i>	-1.80
		<i>For &gt;500, Deduct</i>	-2.66
		<i>For Work In Restricted Working Space, Add</i>	2.31
26 05 29 00-0259	EA	3" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	11.77
		<i>For &gt;50 To 100, Deduct</i>	-0.49
		<i>For &gt;100 To 250, Deduct</i>	-0.97
		<i>For &gt;250 To 500, Deduct</i>	-1.85
		<i>For &gt;500, Deduct</i>	-2.72
		<i>For Work In Restricted Working Space, Add</i>	2.31
26 05 29 00-0260	EA	3-1/2" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	12.38
		<i>For &gt;50 To 100, Deduct</i>	-0.50
		<i>For &gt;100 To 250, Deduct</i>	-1.00
		<i>For &gt;250 To 500, Deduct</i>	-1.89
		<i>For &gt;500, Deduct</i>	-2.78
		<i>For Work In Restricted Working Space, Add</i>	2.31
26 05 29 00-0261	EA	4" Diameter, Rigid Steel Conduit Clamp For Unistrut Channel .....	12.60
		<i>For &gt;50 To 100, Deduct</i>	-0.51
		<i>For &gt;100 To 250, Deduct</i>	-1.02
		<i>For &gt;250 To 500, Deduct</i>	-1.91
		<i>For &gt;500, Deduct</i>	-2.80
		<i>For Work In Restricted Working Space, Add</i>	2.31

**26 05 29 00-0262 Electrical Metallic Tubing (EMT) Conduit Clamps For Unistrut Channel** (26 05 29 00-0165)

26 05 29 00-0263	EA	1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	6.85
		<i>For &gt;50 To 100, Deduct</i>	-0.29
		<i>For &gt;100 To 250, Deduct</i>	-0.57
		<i>For &gt;250 To 500, Deduct</i>	-1.09
		<i>For &gt;500, Deduct</i>	-1.61
		<i>For Work In Restricted Working Space, Add</i>	1.39
26 05 29 00-0264	EA	3/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	6.79
		<i>For &gt;50 To 100, Deduct</i>	-0.29
		<i>For &gt;100 To 250, Deduct</i>	-0.57
		<i>For &gt;250 To 500, Deduct</i>	-1.09
		<i>For &gt;500, Deduct</i>	-1.60
		<i>For Work In Restricted Working Space, Add</i>	1.39
26 05 29 00-0265	EA	1" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	6.72
		<i>For &gt;50 To 100, Deduct</i>	-0.28
		<i>For &gt;100 To 250, Deduct</i>	-0.57
		<i>For &gt;250 To 500, Deduct</i>	-1.08
		<i>For &gt;500, Deduct</i>	-1.60
		<i>For Work In Restricted Working Space, Add</i>	1.39
26 05 29 00-0266	EA	1-1/4" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	8.86
		<i>For &gt;50 To 100, Deduct</i>	-0.38
		<i>For &gt;100 To 250, Deduct</i>	-0.75
		<i>For &gt;250 To 500, Deduct</i>	-1.44
		<i>For &gt;500, Deduct</i>	-2.12
		<i>For Work In Restricted Working Space, Add</i>	1.85
26 05 29 00-0267	EA	1-1/2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	10.11
		<i>For &gt;50 To 100, Deduct</i>	-0.41
		<i>For &gt;100 To 250, Deduct</i>	-0.81
		<i>For &gt;250 To 500, Deduct</i>	-1.53
		<i>For &gt;500, Deduct</i>	-2.25
		<i>For Work In Restricted Working Space, Add</i>	1.85
26 05 29 00-0268	EA	2" Diameter, Electrical Metallic Tubing (EMT) Conduit Clamp For Unistrut Channel .....	10.18
		<i>For &gt;50 To 100, Deduct</i>	-0.41
		<i>For &gt;100 To 250, Deduct</i>	-0.82
		<i>For &gt;250 To 500, Deduct</i>	-1.53
		<i>For &gt;500, Deduct</i>	-2.25
		<i>For Work In Restricted Working Space, Add</i>	1.85

**26 05 29 00-0269 "J" Type Conduit Hangers** (26 05 29 00-0165)

26 05 29 00-0270	EA	1/2", "J" Type Conduit Hanger (Unistrut J1205) .....	28.94
		<i>For &gt;50 To 100, Deduct</i>	-0.99
		<i>For &gt;100 To 250, Deduct</i>	-1.99
		<i>For &gt;250 To 500, Deduct</i>	-3.52
		<i>For &gt;500, Deduct</i>	-5.05
		<i>For Work In Restricted Working Space, Add</i>	3.24
26 05 29 00-0271	EA	3/4", "J" Type Conduit Hanger (Unistrut J1207) .....	29.25
		<i>For &gt;50 To 100, Deduct</i>	-1.00
		<i>For &gt;100 To 250, Deduct</i>	-2.00
		<i>For &gt;250 To 500, Deduct</i>	-3.54
		<i>For &gt;500, Deduct</i>	-5.08
		<i>For Work In Restricted Working Space, Add</i>	3.24
26 05 29 00-0272	EA	1", "J" Type Conduit Hanger (Unistrut J1210) .....	31.09
		<i>For &gt;50 To 100, Deduct</i>	-1.09
		<i>For &gt;100 To 250, Deduct</i>	-2.17
		<i>For &gt;250 To 500, Deduct</i>	-3.87
		<i>For &gt;500, Deduct</i>	-5.58
		<i>For Work In Restricted Working Space, Add</i>	3.70

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 29 00-0273	EA	1-1/4", "J" Type Conduit Hanger (Unistrut J1212) .....	31.43	
		For >50 To 100, Deduct	-1.09	
		For >100 To 250, Deduct	-2.19	
		For >250 To 500, Deduct	-3.90	
		For >500, Deduct	-5.61	
		For Work In Restricted Working Space, Add	3.70	
26 05 29 00-0274	EA	1-1/2", "J" Type Conduit Hanger (Unistrut J1215) .....	33.20	
		For >50 To 100, Deduct	-1.18	
		For >100 To 250, Deduct	-2.35	
		For >250 To 500, Deduct	-4.23	
		For >500, Deduct	-6.10	
		For Work In Restricted Working Space, Add	4.16	
26 05 29 00-0275	EA	2", "J" Type Conduit Hanger (Unistrut J1220) .....	34.49	
		For >50 To 100, Deduct	-1.21	
		For >100 To 250, Deduct	-2.42	
		For >250 To 500, Deduct	-4.32	
		For >500, Deduct	-6.23	
		For Work In Restricted Working Space, Add	4.16	
26 05 29 00-0276	EA	2-1/2", "J" Type Conduit Hanger (Unistrut J1225) .....	54.44	
		For >50 To 100, Deduct	-1.75	
		For >100 To 250, Deduct	-3.49	
		For >250 To 500, Deduct	-6.01	
		For >500, Deduct	-8.53	
		For Work In Restricted Working Space, Add	4.62	
26 05 29 00-0277	EA	3", "J" Type Conduit Hanger (Unistrut J1230) .....	57.93	
		For >50 To 100, Deduct	-1.87	
		For >100 To 250, Deduct	-3.74	
		For >250 To 500, Deduct	-6.46	
		For >500, Deduct	-9.18	
		For Work In Restricted Working Space, Add	5.09	
26 05 29 00-0278	EA	3-1/2", "J" Type Conduit Hanger (Unistrut J1235) .....	62.40	
		For >50 To 100, Deduct	-2.02	
		For >100 To 250, Deduct	-4.05	
		For >250 To 500, Deduct	-6.99	
		For >500, Deduct	-9.94	
		For Work In Restricted Working Space, Add	5.55	
26 05 29 00-0279	EA	4", "J" Type Conduit Hanger (Unistrut J1240) .....	82.38	
		For >50 To 100, Deduct	-2.52	
		For >100 To 250, Deduct	-5.04	
		For >250 To 500, Deduct	-8.49	
		For >500, Deduct	-11.94	
		For Work In Restricted Working Space, Add	5.55	
26 05 29 00-0280	EA	5", "J" Type Conduit Hanger (Unistrut J1250) .....	90.48	
		For >50 To 100, Deduct	-2.76	
		For >100 To 250, Deduct	-5.53	
		For >250 To 500, Deduct	-9.29	
		For >500, Deduct	-13.06	
		For Work In Restricted Working Space, Add	6.01	
26 05 29 00-0281	EA	6", "J" Type Conduit Hanger (Unistrut J1260) .....	127.05	
		For >50 To 100, Deduct	-3.75	
		For >100 To 250, Deduct	-7.51	
		For >250 To 500, Deduct	-12.42	
		For >500, Deduct	-17.33	
		For Work In Restricted Working Space, Add	6.94	

**26 05 29 00-0282 Between Studs Box Brackets** (26 05 29 00-0165)

26 05 29 00-0283	EA	16" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB16A) .....	10.50	
		For >50 To 100, Deduct	-0.38	
		For >100 To 250, Deduct	-0.76	
		For >250 To 500, Deduct	-1.37	
		For >500, Deduct	-1.97	
		For Work In Restricted Working Space, Add	1.39	
26 05 29 00-0284	EA	24" Stud Spacing, 1-1/2" Or 2-1/8" Box Depth, Screw Gun Between Studs Box Bracket (Caddy SGB24A) .....	12.54	
		For >50 To 100, Deduct	-0.43	
		For >100 To 250, Deduct	-0.86	
		For >250 To 500, Deduct	-1.52	
		For >500, Deduct	-2.18	
		For Work In Restricted Working Space, Add	1.39	

**26 05 29 00-0285 Hangers And Brackets** (26 05 29 00-0165)

26 05 29 00-0286	EA	Rod Hangers Only With 1/4" Thread Impression (Caddy 4TI) .....	3.85	
		For >50 To 100, Deduct	-0.17	
		For >100 To 250, Deduct	-0.35	
		For >250 To 500, Deduct	-0.67	
		For >500, Deduct	-1.00	
26 05 29 00-0287	EA	Angle Bracket Only With 1/4" Hole (Caddy AB) .....	3.74	
		For >50 To 100, Deduct	-0.17	
		For >100 To 250, Deduct	-0.34	
		For >250 To 500, Deduct	-0.67	
		For >500, Deduct	-0.99	
26 05 29 00-0288	EA	Offset Bracket Only With 1/4" Hole (Caddy AO) .....	3.74	
		For >50 To 100, Deduct	-0.17	
		For >100 To 250, Deduct	-0.34	
		For >250 To 500, Deduct	-0.67	
		For >500, Deduct	-0.99	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 29 00-0289	EA	Angle Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIB).....	4.96	
		<i>For &gt;50 To 100, Deduct</i>	-0.20	
		<i>For &gt;100 To 250, Deduct</i>	-0.40	
		<i>For &gt;250 To 500, Deduct</i>	-0.76	
		<i>For &gt;500, Deduct</i>	-1.11	
26 05 29 00-0290	EA	Angle Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIB).....	4.98	
		<i>For &gt;50 To 100, Deduct</i>	-0.20	
		<i>For &gt;100 To 250, Deduct</i>	-0.40	
		<i>For &gt;250 To 500, Deduct</i>	-0.76	
		<i>For &gt;500, Deduct</i>	-1.11	
26 05 29 00-0291	EA	Angle Bracket Mount, 1/4" Or 3/8" Threaded Rod Hanger With Nut (Caddy 6TB).....	4.84	
		<i>For &gt;50 To 100, Deduct</i>	-0.20	
		<i>For &gt;100 To 250, Deduct</i>	-0.40	
		<i>For &gt;250 To 500, Deduct</i>	-0.75	
		<i>For &gt;500, Deduct</i>	-1.10	
26 05 29 00-0292	EA	Offset Bracket Mount, 1/4" Threaded Rod Hanger With Thread Impression (Caddy 4TIO).....	4.96	
		<i>For &gt;50 To 100, Deduct</i>	-0.20	
		<i>For &gt;100 To 250, Deduct</i>	-0.40	
		<i>For &gt;250 To 500, Deduct</i>	-0.76	
		<i>For &gt;500, Deduct</i>	-1.11	
26 05 29 00-0293	EA	Offset Bracket Mount, 3/8" Threaded Rod Hanger With Thread Impression (Caddy 6TIO).....	4.98	
		<i>For &gt;50 To 100, Deduct</i>	-0.20	
		<i>For &gt;100 To 250, Deduct</i>	-0.40	
		<i>For &gt;250 To 500, Deduct</i>	-0.76	
		<i>For &gt;500, Deduct</i>	-1.11	

**26 05 29 00-0294 Clips And Accessories** (26 05 29 00-0165)

26 05 29 00-0295	EA	1/2" Diameter Center, Bridle Ring (Caddy 2BR).....	2.60	
		<i>For &gt;50 To 100, Deduct</i>	-0.11	
		<i>For &gt;100 To 250, Deduct</i>	-0.23	
		<i>For &gt;250 To 500, Deduct</i>	-0.44	
		<i>For &gt;500, Deduct</i>	-0.64	
26 05 29 00-0296	EA	3/4" Diameter Center, Bridle Ring (Caddy 2BR12).....	2.64	
		<i>For &gt;50 To 100, Deduct</i>	-0.11	
		<i>For &gt;100 To 250, Deduct</i>	-0.23	
		<i>For &gt;250 To 500, Deduct</i>	-0.44	
		<i>For &gt;500, Deduct</i>	-0.65	
26 05 29 00-0297	EA	1-1/4" Diameter Center, Bridle Ring (Caddy 2BR20).....	2.83	
		<i>For &gt;50 To 100, Deduct</i>	-0.12	
		<i>For &gt;100 To 250, Deduct</i>	-0.24	
		<i>For &gt;250 To 500, Deduct</i>	-0.45	
		<i>For &gt;500, Deduct</i>	-0.67	
26 05 29 00-0298	EA	2" Diameter Center, Bridle Ring (Caddy 2BR32).....	3.21	
		<i>For &gt;50 To 100, Deduct</i>	-0.13	
		<i>For &gt;100 To 250, Deduct</i>	-0.26	
		<i>For &gt;250 To 500, Deduct</i>	-0.48	
		<i>For &gt;500, Deduct</i>	-0.71	

**26 05 29 00-0299 Wire Ties** (26 05 29 00-0165)

Note: Per hundred (C).

26 05 29 00-0300	C	3" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	38.02	
		<i>For Up To 0.1, Add</i>	32.18	
		<i>For &gt;0.1 To 0.25, Add</i>	16.09	
		<i>For &gt;0.25 To 0.75, Add</i>	8.05	
		<i>For &gt;2.0, Deduct</i>	-3.22	
		<i>For UV Black, Add</i>	0.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65	
26 05 29 00-0301	C	4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	38.24	
		<i>For Up To 0.1, Add</i>	32.18	
		<i>For &gt;0.1 To 0.25, Add</i>	16.09	
		<i>For &gt;0.25 To 0.75, Add</i>	8.05	
		<i>For &gt;2.0, Deduct</i>	-3.22	
		<i>For UV Black, Add</i>	0.91	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65	
26 05 29 00-0302	C	4-3/4" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	38.40	
		<i>For Up To 0.1, Add</i>	32.18	
		<i>For &gt;0.1 To 0.25, Add</i>	16.09	
		<i>For &gt;0.25 To 0.75, Add</i>	8.05	
		<i>For &gt;2.0, Deduct</i>	-3.22	
		<i>For UV Black, Add</i>	0.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65	
26 05 29 00-0303	C	5-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	38.47	
		<i>For Up To 0.1, Add</i>	32.18	
		<i>For &gt;0.1 To 0.25, Add</i>	16.09	
		<i>For &gt;0.25 To 0.75, Add</i>	8.05	
		<i>For &gt;2.0, Deduct</i>	-3.22	
		<i>For UV Black, Add</i>	0.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.65	
26 05 29 00-0304	C	6-1/2" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	39.93	
		<i>For Up To 0.1, Add</i>	33.57	
		<i>For &gt;0.1 To 0.25, Add</i>	16.79	
		<i>For &gt;0.25 To 0.75, Add</i>	8.39	
		<i>For &gt;2.0, Deduct</i>	-3.36	
		<i>For UV Black, Add</i>	0.95	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.07	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0305 C 8" Length, 18 LB Tensile Strength, Nylon Cable Ties.....	46.39	
For Up To 0.1, Add	35.10	
For >0.1 To 0.25, Add	17.55	
For >0.25 To 0.75, Add	8.78	
For >2.0, Deduct	-3.51	
For UV Black, Add	1.69	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 29 00-0306 C 4-3/4" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	44.29	
For Up To 0.1, Add	32.18	
For >0.1 To 0.25, Add	16.09	
For >0.25 To 0.75, Add	8.05	
For >2.0, Deduct	-3.22	
For UV Black, Add	1.82	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.65	
26 05 29 00-0307 C 6" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	45.77	
For Up To 0.1, Add	33.57	
For >0.1 To 0.25, Add	16.79	
For >0.25 To 0.75, Add	8.39	
For >2.0, Deduct	-3.36	
For UV Black, Add	1.83	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.07	
26 05 29 00-0308 C 8" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	47.36	
For Up To 0.1, Add	35.10	
For >0.1 To 0.25, Add	17.55	
For >0.25 To 0.75, Add	8.78	
For >2.0, Deduct	-3.51	
For UV Black, Add	1.84	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 29 00-0309 C 10" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	66.13	
For Up To 0.1, Add	37.85	
For >0.1 To 0.25, Add	18.93	
For >0.25 To 0.75, Add	9.46	
For >2.0, Deduct	-3.79	
For UV Black, Add	4.24	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.36	
26 05 29 00-0310 C 11-1/2" Length, 40 LB Tensile Strength, Nylon Cable Ties.....	68.69	
For Up To 0.1, Add	37.85	
For >0.1 To 0.25, Add	18.93	
For >0.25 To 0.75, Add	9.46	
For >2.0, Deduct	-3.79	
For UV Black, Add	4.63	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.36	
26 05 29 00-0311 C 7" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	49.15	
For Up To 0.1, Add	35.10	
For >0.1 To 0.25, Add	17.55	
For >0.25 To 0.75, Add	8.78	
For >2.0, Deduct	-3.51	
For UV Black, Add	2.11	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 29 00-0312 C 8" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	46.89	
For Up To 0.1, Add	35.10	
For >0.1 To 0.25, Add	17.55	
For >0.25 To 0.75, Add	8.78	
For >2.0, Deduct	-3.51	
For UV Black, Add	1.77	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 29 00-0313 C 11" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	66.84	
For Up To 0.1, Add	37.85	
For >0.1 To 0.25, Add	18.93	
For >0.25 To 0.75, Add	9.46	
For >2.0, Deduct	-3.79	
For UV Black, Add	4.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.36	
26 05 29 00-0314 C 14-1/2" Length, 50 LB Tensile Strength, Nylon Cable Ties.....	75.86	
For Up To 0.1, Add	40.22	
For >0.1 To 0.25, Add	20.11	
For >0.25 To 0.75, Add	10.06	
For >2.0, Deduct	-4.02	
For UV Black, Add	5.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.07	
26 05 29 00-0315 C 8" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	73.34	
For Up To 0.1, Add	35.10	
For >0.1 To 0.25, Add	17.55	
For >0.25 To 0.75, Add	8.78	
For >2.0, Deduct	-3.51	
For UV Black, Add	5.74	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.53	
26 05 29 00-0316 C 11" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	80.19	
For Up To 0.1, Add	37.85	
For >0.1 To 0.25, Add	18.93	
For >0.25 To 0.75, Add	9.46	
For >2.0, Deduct	-3.79	
For UV Black, Add	6.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	11.36	
26 05 29 00-0317 C 15" Length, 120 LB Tensile Strength, Nylon Cable Ties.....	95.90	
For Up To 0.1, Add	40.22	
For >0.1 To 0.25, Add	20.11	
For >0.25 To 0.75, Add	10.06	
For >2.0, Deduct	-4.02	
For UV Black, Add	8.35	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.07	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR

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26 05 29 00-0318	C	17" Length, 120 LB Tensile Strength, Nylon Cable Ties .....	134.13	
		<i>For Up To 0.1, Add</i>	42.90	
		<i>For &gt;0.1 To 0.25, Add</i>	21.45	
		<i>For &gt;0.25 To 0.75, Add</i>	10.73	
		<i>For &gt;2.0, Deduct</i>	-4.29	
		<i>For UV Black, Add</i>	13.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.87	
26 05 29 00-0319	C	17-3/4" Length, 175 LB Tensile Strength, Nylon Cable Ties .....	130.24	
		<i>For Up To 0.1, Add</i>	42.90	
		<i>For &gt;0.1 To 0.25, Add</i>	21.45	
		<i>For &gt;0.25 To 0.75, Add</i>	10.73	
		<i>For &gt;2.0, Deduct</i>	-4.29	
		<i>For UV Black, Add</i>	13.10	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.87	
26 05 29 00-0320	C	21-11/16" Length, 175 LB Tensile Strength, Nylon Cable Ties .....	157.12	
		<i>For Up To 0.1, Add</i>	44.89	
		<i>For &gt;0.1 To 0.25, Add</i>	22.45	
		<i>For &gt;0.25 To 0.75, Add</i>	11.22	
		<i>For &gt;2.0, Deduct</i>	-4.49	
		<i>For UV Black, Add</i>	16.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.47	
26 05 29 00-0321	C	30" Length, 175 LB Tensile Strength, Nylon Cable Ties .....	180.85	
		<i>For Up To 0.1, Add</i>	47.08	
		<i>For &gt;0.1 To 0.25, Add</i>	23.54	
		<i>For &gt;0.25 To 0.75, Add</i>	11.77	
		<i>For &gt;2.0, Deduct</i>	-4.71	
		<i>For UV Black, Add</i>	20.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.12	
26 05 29 00-0322	C	46" Length, 175 LB Tensile Strength, Nylon Cable Ties .....	245.17	
		<i>For Up To 0.1, Add</i>	50.80	
		<i>For &gt;0.1 To 0.25, Add</i>	25.40	
		<i>For &gt;0.25 To 0.75, Add</i>	12.70	
		<i>For &gt;2.0, Deduct</i>	-5.08	
		<i>For UV Black, Add</i>	29.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.24	
26 05 29 00-0323	C	3/4" x 3/4" Self Adhesive Tie Mounts .....	51.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.48	
26 05 29 00-0324	C	1.1" x 1.1" Tie Mounts With Screw .....	101.51	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.96	
26 05 29 00-0325	EA	6" Length x 1/2" Width, Velcro Grip Cable Tie .....	2.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.23	
26 05 29 00-0326	EA	8" Length x 1/2" Width, Velcro Grip Cable Tie .....	2.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.19	
26 05 29 00-0327	EA	12" Length x 1/2" Width, Velcro Grip Cable Tie .....	3.15	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.19	
26 05 29 00-0328	EA	15" Length x 3/4" Width, Velcro Grip Cable Tie .....	4.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	0.19	
26 05 29 00-0329	EA	180" Length x 3/4" Width, Velcro Grip Cable Tie Roll .....	110.15	
		Note: Cut to length.		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.45	

**26 05 29 00-0330 Fastening Devices For Wireway And Conduit** (26 05 29)

Note: Includes drilling of holes with power tools in concrete, brick, concrete block, wood, tile or steel and alignment of hangers and supports for bolts.

**26 05 29 00-0331 Toggle Bolts** (26 05 29 00-0330)

Note: Includes machine screw, toggle wing and drilling in concrete, concrete block, wood or steel.

26 05 29 00-0332	EA	1/8" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt .....	11.88	
		<i>For &gt;50 To 100, Deduct</i>	-1.14	
		<i>For &gt;100 To 250, Deduct</i>	-2.28	
		<i>For &gt;250 To 500, Deduct</i>	-3.99	
		<i>For &gt;500, Deduct</i>	-5.69	
26 05 29 00-0333	EA	1/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	12.20	
		<i>For &gt;50 To 100, Deduct</i>	-1.17	
		<i>For &gt;100 To 250, Deduct</i>	-2.34	
		<i>For &gt;250 To 500, Deduct</i>	-4.09	
		<i>For &gt;500, Deduct</i>	-5.84	
26 05 29 00-0334	EA	3/16" Diameter, 3" Length, Zinc Plated Steel, Toggle Bolt .....	12.82	
		<i>For &gt;50 To 100, Deduct</i>	-1.21	
		<i>For &gt;100 To 250, Deduct</i>	-2.42	
		<i>For &gt;250 To 500, Deduct</i>	-4.21	
		<i>For &gt;500, Deduct</i>	-6.01	
26 05 29 00-0335	EA	3/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	13.14	
		<i>For &gt;50 To 100, Deduct</i>	-1.24	
		<i>For &gt;100 To 250, Deduct</i>	-2.47	
		<i>For &gt;250 To 500, Deduct</i>	-4.32	
		<i>For &gt;500, Deduct</i>	-6.16	
26 05 29 00-0336	EA	1/4" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	13.45	
		<i>For &gt;50 To 100, Deduct</i>	-1.27	
		<i>For &gt;100 To 250, Deduct</i>	-2.53	
		<i>For &gt;250 To 500, Deduct</i>	-4.42	
		<i>For &gt;500, Deduct</i>	-6.31	
26 05 29 00-0337	EA	5/16" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt .....	15.05	
		<i>For &gt;50 To 100, Deduct</i>	-1.33	
		<i>For &gt;100 To 250, Deduct</i>	-2.65	
		<i>For &gt;250 To 500, Deduct</i>	-4.62	
		<i>For &gt;500, Deduct</i>	-6.58	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0338 EA 3/8" Diameter, 4" Length, Zinc Plated Steel, Toggle Bolt.....	15.63	
For >50 To 100, Deduct	-1.36	
For >100 To 250, Deduct	-2.73	
For >250 To 500, Deduct	-4.74	
For >500, Deduct	-6.75	
<b>26 05 29 00-0339 Machine Screws</b> <small>(26 05 29 00-0330)</small>		
Note: Includes drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0340 EA #8 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.52	
For >50 To 100, Deduct	-0.34	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.20	
For >500, Deduct	-1.72	
26 05 29 00-0341 EA #10 Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	3.57	
For >50 To 100, Deduct	-0.35	
For >100 To 250, Deduct	-0.69	
For >250 To 500, Deduct	-1.21	
For >500, Deduct	-1.73	
26 05 29 00-0342 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.48	
For >50 To 100, Deduct	-0.43	
For >100 To 250, Deduct	-0.87	
For >250 To 500, Deduct	-1.52	
For >500, Deduct	-2.16	
26 05 29 00-0343 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	4.66	
For >50 To 100, Deduct	-0.44	
For >100 To 250, Deduct	-0.88	
For >250 To 500, Deduct	-1.53	
For >500, Deduct	-2.18	
26 05 29 00-0344 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Machine Screw.....	5.73	
For >50 To 100, Deduct	-0.53	
For >100 To 250, Deduct	-1.06	
For >250 To 500, Deduct	-1.84	
For >500, Deduct	-2.63	
<b>26 05 29 00-0345 Hex Lag Bolts With Lag Shield Expansion Anchors</b> <small>(26 05 29 00-0330)</small>		
Note: Includes lag bolt, lag shield expansion anchor and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0346 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	5.59	
For >50 To 100, Deduct	-0.46	
For >100 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.60	
For >500, Deduct	-2.28	
26 05 29 00-0347 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	5.52	
For >50 To 100, Deduct	-0.46	
For >100 To 250, Deduct	-0.92	
For >250 To 500, Deduct	-1.59	
For >500, Deduct	-2.27	
26 05 29 00-0348 EA 3/8" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	7.71	
For >50 To 100, Deduct	-0.58	
For >100 To 250, Deduct	-1.16	
For >250 To 500, Deduct	-1.99	
For >500, Deduct	-2.82	
26 05 29 00-0349 EA 1/2" Diameter, 2" Length, Zinc Plated Steel, Hex Lag Bolt With Lag Shield Expansion Anchor.....	9.76	
For >50 To 100, Deduct	-0.69	
For >100 To 250, Deduct	-1.38	
For >250 To 500, Deduct	-2.37	
For >500, Deduct	-3.36	
<b>26 05 29 00-0350 Hanger Lag Bolts With Hex Nuts</b> <small>(26 05 29 00-0330)</small>		
Note: Includes hanger lag bolt (threaded one side), hex nut and drilling in concrete, concrete block, wood or steel.		
26 05 29 00-0351 EA 1/4" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	4.20	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.72	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.79	
26 05 29 00-0352 EA 5/16" Diameter, 2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	4.26	
For >50 To 100, Deduct	-0.36	
For >100 To 250, Deduct	-0.73	
For >250 To 500, Deduct	-1.26	
For >500, Deduct	-1.79	
26 05 29 00-0353 EA 3/8" Diameter, 2-1/2" Length, Zinc Plated Steel, Hanger Lag Bolt With Hex Nut.....	5.01	
For >50 To 100, Deduct	-0.41	
For >100 To 250, Deduct	-0.82	
For >250 To 500, Deduct	-1.42	
For >500, Deduct	-2.03	
<b>26 05 29 00-0354 Hollow Wall Screw Anchors</b> <small>(26 05 29 00-0330)</small>		
26 05 29 00-0355 EA 6-32 Screw Size, 5/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.49	
For >50 To 100, Deduct	-0.22	
For >100 To 250, Deduct	-0.43	
For >250 To 500, Deduct	-0.75	
For >500, Deduct	-1.07	

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CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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26 05 29 00-0356	EA	6-32 Screw Size, 5/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.56	
		<i>For &gt;50 To 100, Deduct</i>	-0.22	
		<i>For &gt;100 To 250, Deduct</i>	-0.44	
		<i>For &gt;250 To 500, Deduct</i>	-0.76	
		<i>For &gt;500, Deduct</i>	-1.08	
26 05 29 00-0357	EA	6-32 Screw Size, 5/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	2.66	
		<i>For &gt;50 To 100, Deduct</i>	-0.22	
		<i>For &gt;100 To 250, Deduct</i>	-0.44	
		<i>For &gt;250 To 500, Deduct</i>	-0.77	
		<i>For &gt;500, Deduct</i>	-1.09	
26 05 29 00-0358	EA	10-24 Screw Size, 3/8" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.34	
		<i>For &gt;50 To 100, Deduct</i>	-0.26	
		<i>For &gt;100 To 250, Deduct</i>	-0.53	
		<i>For &gt;250 To 500, Deduct</i>	-0.91	
		<i>For &gt;500, Deduct</i>	-1.29	
26 05 29 00-0359	EA	10-24 Screw Size, 3/8" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.49	
		<i>For &gt;50 To 100, Deduct</i>	-0.27	
		<i>For &gt;100 To 250, Deduct</i>	-0.53	
		<i>For &gt;250 To 500, Deduct</i>	-0.92	
		<i>For &gt;500, Deduct</i>	-1.31	
26 05 29 00-0360	EA	10-24 Screw Size, 3/8" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.53	
		<i>For &gt;50 To 100, Deduct</i>	-0.27	
		<i>For &gt;100 To 250, Deduct</i>	-0.54	
		<i>For &gt;250 To 500, Deduct</i>	-0.92	
		<i>For &gt;500, Deduct</i>	-1.31	
26 05 29 00-0361	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1/8" To 5/8" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.56	
		<i>For &gt;50 To 100, Deduct</i>	-0.27	
		<i>For &gt;100 To 250, Deduct</i>	-0.54	
		<i>For &gt;250 To 500, Deduct</i>	-0.92	
		<i>For &gt;500, Deduct</i>	-1.31	
26 05 29 00-0362	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 5/8" To 1-1/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.78	
		<i>For &gt;50 To 100, Deduct</i>	-0.27	
		<i>For &gt;100 To 250, Deduct</i>	-0.55	
		<i>For &gt;250 To 500, Deduct</i>	-0.94	
		<i>For &gt;500, Deduct</i>	-1.33	
26 05 29 00-0363	EA	1/4-20 Screw Size, 7/16" Hole Diameter, 1-1/4" To 1-3/4" Grip Range, Zinc Plated Steel, Hollow Wall Screw Anchor.....	3.86	
		<i>For &gt;50 To 100, Deduct</i>	-0.28	
		<i>For &gt;100 To 250, Deduct</i>	-0.55	
		<i>For &gt;250 To 500, Deduct</i>	-0.95	
		<i>For &gt;500, Deduct</i>	-1.34	

**26 05 29 00-0364 Lead Screw Anchors** (26 05 29 00-0330)

Note: Includes screw.

26 05 29 00-0365	EA	#6-8 Screw Size, 1/4" Hole Diameter, Lead Screw Anchor With Screw.....	5.81	
		<i>For &gt;50 To 100, Deduct</i>	-0.54	
		<i>For &gt;100 To 250, Deduct</i>	-1.08	
		<i>For &gt;250 To 500, Deduct</i>	-1.88	
		<i>For &gt;500, Deduct</i>	-2.68	
26 05 29 00-0366	EA	#10-14 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	6.90	
		<i>For &gt;50 To 100, Deduct</i>	-0.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.26	
		<i>For &gt;250 To 500, Deduct</i>	-2.19	
		<i>For &gt;500, Deduct</i>	-3.12	
26 05 29 00-0367	EA	#16-18 Screw Size, 5/16" Hole Diameter, Lead Screw Anchor With Screw.....	9.26	
		<i>For &gt;50 To 100, Deduct</i>	-0.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.62	
		<i>For &gt;250 To 500, Deduct</i>	-2.82	
		<i>For &gt;500, Deduct</i>	-4.01	

**26 05 29 00-0368 Acoustical T-Bar Clips** (26 05 29 00-0330)

Note: For conduit installation above suspended ceilings up to 15' height.

26 05 29 00-0369	EA	1/2" Conduit, Push-In Acoustical T-Bar Clip.....	9.31	
		<i>For &gt;50 To 100, Deduct</i>	-0.72	
		<i>For &gt;100 To 250, Deduct</i>	-1.45	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-3.56	
26 05 29 00-0370	EA	3/4" Conduit, Push-In Acoustical T-Bar Clip.....	9.77	
		<i>For &gt;50 To 100, Deduct</i>	-0.76	
		<i>For &gt;100 To 250, Deduct</i>	-1.53	
		<i>For &gt;250 To 500, Deduct</i>	-2.63	
		<i>For &gt;500, Deduct</i>	-3.74	
26 05 29 00-0371	EA	1" Conduit, Push-In Acoustical T-Bar Clip.....	10.61	
		<i>For &gt;50 To 100, Deduct</i>	-0.81	
		<i>For &gt;100 To 250, Deduct</i>	-1.62	
		<i>For &gt;250 To 500, Deduct</i>	-2.80	
		<i>For &gt;500, Deduct</i>	-3.98	

**26 05 29 00-0372 Threaded Rod, Accessories And Attachments** (26 05 29)**26 05 29 00-0373 Threaded Rod And Rod Accessories** (26 05 29 00-0372)**26 05 29 00-0374 Carbon Steel Threaded Rod** (26 05 29 00-0373)

Note: Includes plain finish.

26 05 29 00-0375	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod.....	4.93	0.97
		<i>For Galvanized, Add</i>	1.20	
		<i>For Zinc Coated, Add</i>	0.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0376	LF		1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Galvanized, Add</i> <i>For Zinc Coated, Add</i>	6.82 1.91 1.36	1.03
26 05 29 00-0377	LF		5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Galvanized, Add</i> <i>For Zinc Coated, Add</i>	9.52 2.96 2.11	1.06
26 05 29 00-0378	LF		3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Galvanized, Add</i> <i>For Zinc Coated, Add</i>	15.62 5.37 3.83	1.09
26 05 29 00-0379	LF		7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Galvanized, Add</i> <i>For Zinc Coated, Add</i>	17.03 5.90 4.21	1.14
26 05 29 00-0380	LF		1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Galvanized, Add</i> <i>For Zinc Coated, Add</i>	23.29 8.29 5.91	1.29
26 05 29 00-0381	LF		1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod ..... <i>For Galvanized, Add</i> <i>For Zinc Coated, Add</i>	28.99 10.46 7.45	1.43
<b>26 05 29 00-0382 Threaded Rod Couplings (26 05 29 00-0373)</b>					
26 05 29 00-0383	EA		3/8" Diameter, Threaded Rod Coupling Nut ..... 12.10		
26 05 29 00-0384	EA		1/2" Diameter, Threaded Rod Coupling Nut ..... 13.68		
26 05 29 00-0385	EA		5/8" Diameter, Threaded Rod Coupling Nut ..... 16.87		
26 05 29 00-0386	EA		3/4" Diameter, Threaded Rod Coupling Nut ..... 20.32		
26 05 29 00-0387	EA		7/8" Diameter, Threaded Rod Coupling Nut ..... 28.96		
26 05 29 00-0388	EA		1" Diameter, Threaded Rod Coupling Nut ..... 34.34		
26 05 29 00-0389	EA		1-1/8" Diameter, Threaded Rod Coupling Nut ..... 63.45		
<b>26 05 29 00-0390 Flat Washers (26 05 29 00-0373)</b>					
26 05 29 00-0391	EA		3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 1.03 <i>For Galvanized, Add</i> 0.04		0.38
26 05 29 00-0392	EA		1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 1.30 <i>For Galvanized, Add</i> 0.09		0.38
26 05 29 00-0393	EA		5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 1.67 <i>For Galvanized, Add</i> 0.17		0.38
26 05 29 00-0394	EA		3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 2.02 <i>For Galvanized, Add</i> 0.24		0.77
26 05 29 00-0395	EA		7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 2.27 <i>For Galvanized, Add</i> 0.28		0.77
26 05 29 00-0396	EA		1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 2.68 <i>For Galvanized, Add</i> 0.35		0.77
26 05 29 00-0397	EA		1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer ..... 3.00 <i>For Galvanized, Add</i> 0.39		0.77
<b>26 05 29 00-0398 Malleable Iron Eye Sockets (26 05 29 00-0373)</b>					
Note: Type 16.					
26 05 29 00-0399	EA		3/8" Rod Size, Malleable Iron Eye Socket ..... 14.52		
26 05 29 00-0400	EA		1/2" Rod Size, Malleable Iron Eye Socket ..... 17.39		
26 05 29 00-0401	EA		5/8" Rod Size, Malleable Iron Eye Socket ..... 30.35		
26 05 29 00-0402	EA		3/4" Rod Size, Malleable Iron Eye Socket ..... 43.30		
26 05 29 00-0403	EA		7/8" Rod Size, Malleable Iron Eye Socket ..... 46.12		
<b>26 05 29 00-0404 Hex Nuts (26 05 29 00-0373)</b>					
26 05 29 00-0405	EA		3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... 1.00 <i>For Galvanized, Add</i> 0.03		0.38
26 05 29 00-0406	EA		1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... 1.25 <i>For Galvanized, Add</i> 0.07		0.38
26 05 29 00-0407	EA		5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... 1.67 <i>For Galvanized, Add</i> 0.17		0.38
26 05 29 00-0408	EA		3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... 1.96 <i>For Galvanized, Add</i> 0.22		0.77
26 05 29 00-0409	EA		7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... 2.82 <i>For Galvanized, Add</i> 0.42		0.77
26 05 29 00-0410	EA		1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... 3.56 <i>For Galvanized, Add</i> 0.57		0.77
26 05 29 00-0411	EA		1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut ..... 5.73 <i>For Galvanized, Add</i> 1.08		0.77
<b>26 05 29 00-0412 Forged Steel Turnbuckles (26 05 29 00-0373)</b>					
Note: Type 13.					
26 05 29 00-0413	EA		3/8" Thread Diameter, Forged Steel Turnbuckle Body ..... 35.64		
26 05 29 00-0414	EA		1/2" Thread Diameter, Forged Steel Turnbuckle Body ..... 44.00		
26 05 29 00-0415	EA		5/8" Thread Diameter, Forged Steel Turnbuckle Body ..... 58.85		
26 05 29 00-0416	EA		3/4" Thread Diameter, Forged Steel Turnbuckle Body ..... 72.77		
26 05 29 00-0417	EA		7/8" Thread Diameter, Forged Steel Turnbuckle Body ..... 178.56		
26 05 29 00-0418	EA		1" Thread Diameter, Forged Steel Turnbuckle Body ..... 119.13		
26 05 29 00-0419	EA		1-1/4" Thread Diameter, Forged Steel Turnbuckle Body ..... 239.05		
<b>26 05 29 00-0420 Attachments (26 05 29 00-0372)</b>					

**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 29 00-0421	<b>Welded Beam Attachments</b> <small>(26 05 29 00-0420)</small> Note: Type 22.		
26 05 29 00-0422	EA 3/8" Rod Size, Welded Beam Attachment .....	65.50	15.41
26 05 29 00-0423	EA 1/2" Rod Size, Welded Beam Attachment .....	69.84	16.18
26 05 29 00-0424	EA 5/8" Rod Size, Welded Beam Attachment .....	74.34	17.11
26 05 29 00-0425	EA 3/4" Rod Size, Welded Beam Attachment .....	94.32	18.19
26 05 29 00-0426	EA 7/8" Rod Size, Welded Beam Attachment .....	112.83	19.27
26 05 29 00-0427	EA 1" Rod Size, Welded Beam Attachment .....	157.46	22.05
26 05 29 00-0428	EA 1-1/8" Rod Size, Welded Beam Attachment .....	221.85	23.12
26 05 29 00-0429	<b>C-Clamp Style Beam Clamps</b> <small>(26 05 29 00-0420)</small> Note: Type 23. Top or bottom flange mount.		
26 05 29 00-0430	EA 3/8" Rod Size, C-Clamp Style Beam Clamp .....	23.55	11.58
26 05 29 00-0431	EA 1/2" Rod Size, C-Clamp Style Beam Clamp .....	27.93	12.36
26 05 29 00-0432	EA 5/8" Rod Size, C-Clamp Style Beam Clamp .....	31.60	13.24
26 05 29 00-0433	EA 3/4" Rod Size, C-Clamp Style Beam Clamp .....	40.32	14.25
26 05 29 00-0434	EA 7/8" Rod Size, C-Clamp Style Beam Clamp .....	57.91	15.44
26 05 29 00-0435	<b>Bottom Mount I-Beam Clamps</b> <small>(26 05 29 00-0420)</small> Note: Type 21. For attaching threaded rod centered under beam flanges.		
26 05 29 00-0436	EA 3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	62.97	15.44
26 05 29 00-0437	EA 1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	91.87	16.85
26 05 29 00-0438	EA 5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	130.63	18.53
26 05 29 00-0439	EA 3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	156.18	20.59
26 05 29 00-0440	EA 1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp .....	375.07	23.16
26 05 29 00-0441	<b>Steel U-Bolts</b> <small>(26 05 29 00-0420)</small> Note: Type 24. Includes plate and nuts.		
26 05 29 00-0442	EA 1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	19.17	9.26
26 05 29 00-0443	EA 3/4" Pipe Size, Zinc Plated Steel, U-Bolt .....	20.76	9.75
26 05 29 00-0444	EA 1" Pipe Size, Zinc Plated Steel, U-Bolt .....	22.33	10.30
26 05 29 00-0445	EA 1-1/4" Pipe Size, Zinc Plated Steel, U-Bolt .....	25.29	10.90
26 05 29 00-0446	EA 1-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	26.16	11.58
26 05 29 00-0447	EA 2" Pipe Size, Zinc Plated Steel, U-Bolt .....	27.99	12.36
26 05 29 00-0448	EA 2-1/2" Pipe Size, Zinc Plated Steel, U-Bolt .....	39.79	13.24
26 05 29 00-0449	EA 3" Pipe Size, Zinc Plated Steel, U-Bolt .....	43.83	14.25
26 05 29 00-0450	EA 4" Pipe Size, Zinc Plated Steel, U-Bolt .....	52.74	15.44
26 05 29 00-0451	<b>Stainless Steel Threaded Rod</b> <small>(26 05 29 00-0372)</small>		
26 05 29 00-0452	LF 1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	4.21	0.77
	<i>For 316 Stainless Steel, Add</i> .....	1.08	
26 05 29 00-0453	LF 5/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	6.25	0.85
	<i>For 316 Stainless Steel, Add</i> .....	1.84	
26 05 29 00-0454	LF 3/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	8.00	0.97
	<i>For 316 Stainless Steel, Add</i> .....	2.46	
26 05 29 00-0455	LF 7/16" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	11.02	0.99
	<i>For 316 Stainless Steel, Add</i> .....	3.66	
26 05 29 00-0456	LF 1/2" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	13.17	1.03
	<i>For 316 Stainless Steel, Add</i> .....	4.50	
26 05 29 00-0457	LF 5/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	19.62	1.04
	<i>For 316 Stainless Steel, Add</i> .....	7.10	
26 05 29 00-0458	LF 3/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	27.36	1.06
	<i>For 316 Stainless Steel, Add</i> .....	10.22	
26 05 29 00-0459	LF 7/8" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	37.54	1.09
	<i>For 316 Stainless Steel, Add</i> .....	14.32	
26 05 29 00-0460	LF 1" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	48.21	1.29
	<i>For 316 Stainless Steel, Add</i> .....	18.48	
26 05 29 00-0461	LF 1-1/4" Diameter, 304/18-8 Stainless Steel Threaded Rod .....	101.75	1.55
	<i>For 316 Stainless Steel, Add</i> .....	39.91	
26 05 29 00-0462	<b>Polyvinyl Chloride (PVC) Coated Supports</b> <small>(26 05 29)</small> Note: Includes stainless steel and/or Polyvinyl Chloride (PVC) coated hardware.		
26 05 29 00-0463	<b>Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0462)</small>		
26 05 29 00-0464	<b>Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0463)</small>		
26 05 29 00-0465	EA 1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	77.59	30.83
26 05 29 00-0466	EA 3/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	84.37	33.61
26 05 29 00-0467	EA 1", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	90.31	37.00
26 05 29 00-0468	EA 1-1/4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	107.45	41.16
26 05 29 00-0469	EA 1-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	123.80	46.24
26 05 29 00-0470	EA 2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	146.91	50.87
26 05 29 00-0471	EA 2-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	160.62	55.49
26 05 29 00-0472	EA 3", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	176.62	60.12
26 05 29 00-0473	EA 3-1/2", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	186.85	64.74
26 05 29 00-0474	EA 4", Right Angle, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	201.80	69.36
26 05 29 00-0475	<b>Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamps</b> <small>(26 05 29 00-0463)</small>		
26 05 29 00-0476	EA 1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	82.66	30.83
26 05 29 00-0477	EA 3/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp .....	87.80	33.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 29 00-0478	EA		1", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	100.58	37.00
26 05 29 00-0479	EA		1-1/4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	111.11	41.16
26 05 29 00-0480	EA		1-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	125.22	46.24
26 05 29 00-0481	EA		2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	144.49	50.87
26 05 29 00-0482	EA		2-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	165.19	55.49
26 05 29 00-0483	EA		3", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	182.68	60.12
26 05 29 00-0484	EA		3-1/2", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	194.48	64.74
26 05 29 00-0485	EA		4", Parallel, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	202.81	69.36
<b>26 05 29 00-0486</b>			<b>Edge, Polyvinyl Chloride (PVC) Coated Beam Clamps (26 05 29 00-0463)</b>		
26 05 29 00-0487	EA		1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	78.44	30.52
26 05 29 00-0488	EA		3/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	84.48	33.30
26 05 29 00-0489	EA		1", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	95.47	37.00
26 05 29 00-0490	EA		1-1/4", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	111.28	40.70
26 05 29 00-0491	EA		1-1/2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	143.15	46.24
26 05 29 00-0492	EA		2", Edge, Polyvinyl Chloride (PVC) Coated Beam Clamp.....	157.00	50.87
<b>26 05 29 00-0493</b>			<b>Polyvinyl Chloride (PVC) Coated Conduit Straps (26 05 29 00-0462)</b>		
<b>26 05 29 00-0494</b>			<b>One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>		
26 05 29 00-0495	EA		1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	8.74	0.92
26 05 29 00-0496	EA		3/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	9.48	0.92
26 05 29 00-0497	EA		1", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	13.81	0.92
26 05 29 00-0498	EA		1-1/4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	16.73	0.92
26 05 29 00-0499	EA		1-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	21.94	0.92
26 05 29 00-0500	EA		2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	32.82	0.92
26 05 29 00-0501	EA		2-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	43.62	0.92
26 05 29 00-0502	EA		3", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	58.35	0.92
26 05 29 00-0503	EA		3-1/2", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	103.06	0.92
26 05 29 00-0504	EA		4", One Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	109.51	0.92
<b>26 05 29 00-0505</b>			<b>Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Straps (26 05 29 00-0493)</b>		
26 05 29 00-0506	EA		1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	17.25	1.84
26 05 29 00-0507	EA		3/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	17.32	1.84
26 05 29 00-0508	EA		1", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	17.76	1.84
26 05 29 00-0509	EA		1-1/4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	22.21	1.84
26 05 29 00-0510	EA		1-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	22.82	1.84
26 05 29 00-0511	EA		2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	26.11	1.84
26 05 29 00-0512	EA		2-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	29.29	1.84
26 05 29 00-0513	EA		3", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	30.61	1.84
26 05 29 00-0514	EA		3-1/2", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	32.65	1.84
26 05 29 00-0515	EA		4", Two Hole, Polyvinyl Chloride (PVC) Coated Steel Conduit Strap.....	35.38	1.84
<b>26 05 29 00-0516</b>			<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0462)</b>		
<b>26 05 29 00-0517</b>			<b>Polyvinyl Chloride (PVC) Coated Clamp Back Spacer (26 05 29 00-0516)</b>		
26 05 29 00-0518	EA		1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	15.69	1.84
26 05 29 00-0519	EA		3/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	18.17	1.84
26 05 29 00-0520	EA		1" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	22.72	1.84
26 05 29 00-0521	EA		1-1/4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	26.50	1.84
26 05 29 00-0522	EA		1-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	35.31	1.84
26 05 29 00-0523	EA		2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	61.10	1.84
26 05 29 00-0524	EA		2-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	85.98	1.84
26 05 29 00-0525	EA		3" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	117.24	1.84
26 05 29 00-0526	EA		3-1/2" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	204.84	1.84
26 05 29 00-0527	EA		4" Polyvinyl Chloride (PVC) Coated Clamp Back Spacer.....	204.84	1.84
<b>26 05 29 00-0528</b>			<b>Polyvinyl Chloride (PVC) Coated Threaded Rod And Accessories (26 05 29 00-0462)</b>		
<b>26 05 29 00-0529</b>			<b>Polyvinyl Chloride (PVC) Coated Threaded Rod (26 05 29 00-0528)</b>		
26 05 29 00-0530	LF		3/8" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	10.79	1.24
26 05 29 00-0531	LF		1/2" Diameter, Polyvinyl Chloride (PVC) Coated Threaded Rod.....	13.26	1.39
<b>26 05 29 00-0532</b>			<b>Attachments (26 05 29 00-0462)</b>		
<b>26 05 29 00-0533</b>			<b>Polyvinyl Chloride (PVC) Coated U-Bolts And Encapsulation Nuts (26 05 29 00-0532)</b>		
26 05 29 00-0534	EA		1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	22.94	9.26
26 05 29 00-0535	EA		3/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	23.75	9.73
26 05 29 00-0536	EA		1" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	25.02	10.35
26 05 29 00-0537	EA		1-1/4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	26.62	10.97
26 05 29 00-0538	EA		1-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	28.34	11.58
26 05 29 00-0539	EA		2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	31.66	12.36
26 05 29 00-0540	EA		2-1/2" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	44.43	13.28
26 05 29 00-0541	EA		3" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	46.71	14.20
26 05 29 00-0542	EA		4" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	49.86	15.44
26 05 29 00-0543	EA		5" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	79.24	17.61
26 05 29 00-0544	EA		6" Polyvinyl Chloride (PVC) Coated U-Bolt And Encapsulated Nuts.....	97.82	20.38



**26 Electrical****26 05 Common Work Results for Electrical****26 05 29 Hangers and Supports for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
<b>26 05 29 00-0545</b>	<b>Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamps</b> (26 05 29 00-0532)		
26 05 29 00-0546	EA 1/4", 20 Hole, 15/16" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	79.19	30.52
26 05 29 00-0547	EA 5/16", 18 Hole, 7/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	91.24	30.52
26 05 29 00-0548	EA 3/8", 16 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	96.21	30.52
26 05 29 00-0549	EA 1/2", 13 Hole, 1" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	105.80	32.37
26 05 29 00-0550	EA 1/2", 13 Hole, 2-1/8" Jaw, Polyvinyl Chloride (PVC) Coated Hanger Rod Beam Clamp .....	123.63	37.00
<b>26 05 29 00-0551</b>	<b>Polyvinyl Chloride (PVC) Coated Pipe Straps</b> (26 05 29 00-0532)		
Note: Includes stainless steel nuts and bolts.			
26 05 29 00-0552	EA 1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	28.58	10.18
26 05 29 00-0553	EA 3/4" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	30.16	11.10
26 05 29 00-0554	EA 1" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	32.84	12.02
26 05 29 00-0555	EA 1-1/4" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	37.03	13.88
26 05 29 00-0556	EA 1-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	42.35	15.72
26 05 29 00-0557	EA 2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	46.90	16.64
26 05 29 00-0558	EA 2-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	51.85	18.50
26 05 29 00-0559	EA 3" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	61.29	20.34
26 05 29 00-0560	EA 3-1/2" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	66.79	21.28
26 05 29 00-0561	EA 4" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	70.35	23.12
26 05 29 00-0562	EA 5" Polyvinyl Chloride (PVC) Coated Pipe Strap .....	75.45	25.90
<b>26 05 29 00-0563</b>	<b>Polyvinyl Chloride (PVC) Coated Channel</b> (26 05 29 00-0462)		
26 05 29 00-0564	LF A12, Polyvinyl Chloride (PVC) Coated Channel .....	28.26	4.62
26 05 29 00-0565	LF A12A, Polyvinyl Chloride (PVC) Coated Channel .....	49.63	6.48
26 05 29 00-0566	LF A12P, Polyvinyl Chloride (PVC) Coated Channel .....	30.10	4.62
26 05 29 00-0567	LF C14, Polyvinyl Chloride (PVC) Coated Channel .....	22.60	4.62
26 05 29 00-0568	LF C14P, Polyvinyl Chloride (PVC) Coated Channel .....	23.74	4.62
<b>26 05 29 00-0569</b>	<b>Polymer Concrete Pads</b> (26 05 29)		
Note: Excludes excavation and backfill.			
<b>26 05 29 00-0570</b>	<b>Polymer Concrete, Box Pads</b> (26 05 29 00-0569)		
26 05 29 00-0571	EA 24" x 36", 18" Depth, Polymer Concrete, Box Pad .....	1,464.94	160.41
26 05 29 00-0572	EA 25" x 25", 24" Depth, Polymer Concrete, Box Pad .....	1,512.22	160.41
26 05 29 00-0573	EA 40" x 44", 15" Depth, Polymer Concrete, Box Pad .....	1,946.64	160.41
26 05 29 00-0574	EA 40" x 44", 24" Depth, Polymer Concrete, Box Pad .....	2,018.67	160.41
26 05 29 00-0575	EA 52" x 36", 18" Depth, Polymer Concrete, Box Pad .....	1,879.60	160.41
26 05 29 00-0576	EA 44" x 44", 32" Depth, Polymer Concrete, Box Pad .....	2,219.75	160.41
26 05 29 00-0577	EA 40" x 58", 24" Depth, Polymer Concrete, Box Pad .....	2,480.58	160.41
26 05 29 00-0578	EA 52" x 50", 18" Depth, Polymer Concrete, Box Pad .....	2,390.20	200.52
26 05 29 00-0579	EA 74" x 76", 36" Depth, Polymer Concrete, Box Pad .....	3,608.86	200.52
26 05 29 00-0580	EA 93" x 93", 36" Depth, Polymer Concrete, Box Pad .....	4,833.56	200.52
<b>26 05 29 00-0581</b>	<b>Polymer Concrete, Telecommunications Equipment Pads</b> (26 05 29 00-0569)		
26 05 29 00-0582	EA 42" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	719.60	92.37
26 05 29 00-0583	EA 48" x 46", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	848.74	92.37
26 05 29 00-0584	EA 60" x 42", 3" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,087.26	120.31
26 05 29 00-0585	EA 54" x 48", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,135.25	120.31
26 05 29 00-0586	EA 57" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,623.86	120.31
26 05 29 00-0587	EA 72" x 60", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,691.77	120.31
26 05 29 00-0588	EA 64" x 72", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,818.31	120.31
26 05 29 00-0589	EA 72" x 64", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	1,818.31	120.31
26 05 29 00-0590	EA 76" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	3,408.01	120.31
26 05 29 00-0591	EA 96" x 84", 4" Thick, Polymer Concrete, Telecommunications Equipment Pad .....	3,861.61	120.31
<b>26 05 29 00-0592</b>	<b>Polymer Concrete, Electrical Equipment Pads</b> (26 05 29 00-0569)		
26 05 29 00-0593	EA 24" x 25", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	446.07	92.37
26 05 29 00-0594	EA 24" x 36", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	479.27	92.37
26 05 29 00-0595	EA 24" x 44", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	509.52	92.37
26 05 29 00-0596	EA 24" x 58", 2" Thick, Polymer Concrete, Electrical Equipment Pad .....	609.97	92.37
26 05 29 00-0597	EA 40" x 40", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	565.14	92.37
26 05 29 00-0598	EA 42" x 42", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	586.27	92.37
26 05 29 00-0599	EA 48" x 42", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	641.03	92.37
26 05 29 00-0600	EA 48" x 46", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	672.98	92.37
26 05 29 00-0601	EA 54" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	779.67	92.37
26 05 29 00-0602	EA 56" x 44", 3" Thick, Polymer Concrete, Electrical Equipment Pad .....	955.41	92.37
26 05 29 00-0603	EA 64" x 64", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,388.47	120.31
26 05 29 00-0604	EA 66" x 72", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,452.70	120.31
26 05 29 00-0605	EA 75" x 52", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,472.97	120.31
26 05 29 00-0606	EA 90" x 48", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	1,608.00	120.31
26 05 29 00-0607	EA 84" x 96", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	3,414.11	120.31
26 05 29 00-0608	EA 96" x 80", 4" Thick, Polymer Concrete, Electrical Equipment Pad .....	4,019.07	120.31

**26 05 33 Raceway and Boxes for Electrical Systems** (26 05)**26 05 33 13 Conduit for Electrical Systems** (26 05 33)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
			UNIT COST	UNIT COST

26 05 33 13-0001		<b>Conduit Assemblies With Wire</b> <small>(26 05 33 13)</small> Note: Includes conduit, field bending conduit up to and including 1", fittings and wire. Excludes hangers or supports.		
26 05 33 13-0002		<b>Electrical Metallic Tubing (EMT) Conduit Assemblies</b> <small>(26 05 33 13-0001)</small> Note: Includes conduit, field bends, fittings, set screw connectors, set screw couplings, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0599 for larger EMT conduit.		
26 05 33 13-0003	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,147.43	344.17
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.69	
26 05 33 13-0004	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,248.78	373.75
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	2.53	
26 05 33 13-0005	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,350.12	403.32
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	345.75	
		<i>For 4 #12 THWN Conductor Instead Of THHN, Add</i>	3.37	
26 05 33 13-0006	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,206.61	358.96
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	2.53	
26 05 33 13-0007	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,330.51	393.46
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	3.79	
26 05 33 13-0008	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,454.40	427.96
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	366.87	
		<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	5.05	
26 05 33 13-0009	CLF	1/2" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,337.08	388.53
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	333.08	
		<i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	4.41	
26 05 33 13-0010	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,284.90	371.07
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1.69	
26 05 33 13-0011	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,386.26	400.64
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	2.53	
26 05 33 13-0012	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,487.61	430.22
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
26 05 33 13-0013	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,588.96	459.79
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	4.21	
26 05 33 13-0014	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,344.08	385.86
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	2.53	
26 05 33 13-0015	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,467.99	420.36
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	3.79	
26 05 33 13-0016	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,591.89	454.86
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	5.05	
26 05 33 13-0017	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor	1,715.79	489.37
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	6.32	
26 05 33 13-0018	CLF	3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor	1,645.38	459.79
		Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.		
		<i>For Work In Restricted Working Space, Add</i>	394.08	
		<i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	6.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0019	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	1,816.18 432.10 8.82	504.15
26 05 33 13-0020	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,635.40 381.41 7.29	445.00
26 05 33 13-0021	CLF 3/4" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	1,863.18 427.88 10.93	499.22
26 05 33 13-0022	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,479.95 1.69	399.38
26 05 33 13-0023	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,581.29 2.53	428.94
26 05 33 13-0024	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available.	1,682.64	458.52
26 05 33 13-0025	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	1,783.99 4.21	488.09
26 05 33 13-0026	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,539.13 2.53	414.16
26 05 33 13-0027	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,663.03 3.79	448.66
26 05 33 13-0028	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,786.93 5.05	483.17
26 05 33 13-0029	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	1,910.82 6.32	517.67
26 05 33 13-0030	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,840.41 418.42 6.61	488.09
26 05 33 13-0031	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,058.22 452.21 10.93	527.52
26 05 33 13-0032	CLF 1" Electrical Metallic Tubing (EMT) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, set screw connectors, set screw couplings, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #6 THWN Conductor Instead Of THHN, Add</i>	2,285.99 498.68 14.57	581.74
26 05 33 13-0033	<b>Rigid Galvanized Steel (RGS) Conduit Assemblies</b> (26 05 33 13-0001) Note: Includes conduit, field bends, fittings, terminations, straps, and copper wire as indicated. Per CLF. See CSI section 26 05 19 16-0249 for larger copper conductor, 26 05 33 13-0060 for larger RGS conduit.		
26 05 33 13-0034	CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,463.16 1.69	391.77
26 05 33 13-0035	CLF 1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,564.52 2.53	421.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0036	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,522.35 2.53	406.56
26 05 33 13-0037	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,646.24 3.79	441.06
26 05 33 13-0038	CLF		1/2" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #8 THWN Conductor Instead Of THHN, Add</i>	1,652.81 373.80 4.41	436.13
26 05 33 13-0039	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #12 THWN Conductor Instead Of THHN, Add</i>	1,606.11 1.69	417.82
26 05 33 13-0040	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	1,707.46 2.53	447.40
26 05 33 13-0041	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	1,808.80	476.97
26 05 33 13-0042	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 2 #10 THWN Conductor Instead Of THHN, Add</i>	1,665.29 2.53	432.61
26 05 33 13-0043	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	1,789.19 3.79	467.11
26 05 33 13-0044	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	1,913.08 5.05	501.61
26 05 33 13-0045	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	1,966.56 434.13 6.61	506.55
26 05 33 13-0046	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 4 #8 THWN Conductor Instead Of THHN, Add</i>	2,137.38 472.15 8.82	550.90
26 05 33 13-0047	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 2 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 2 #6 THWN Conductor Instead Of THHN, Add</i>	1,956.60 421.46 7.29	491.75
26 05 33 13-0048	CLF		3/4" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,184.37 467.93 10.93	545.98
26 05 33 13-0049	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #12 THWN Conductor Instead Of THHN, Add</i>	2,052.74 2.53	498.93
26 05 33 13-0050	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available.	2,154.08	528.51
26 05 33 13-0051	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #12 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 5 #12 THWN Conductor Instead Of THHN, Add</i>	2,255.44 4.21	558.08
26 05 33 13-0052	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 3 #10 THWN Conductor Instead Of THHN, Add</i>	2,134.47 3.79	518.65
26 05 33 13-0053	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 4 #10 THWN Conductor Instead Of THHN, Add</i>	2,258.36 5.05	553.16
26 05 33 13-0054	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 5 #10 Copper THHN And 1 #12 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For 5 #10 THWN Conductor Instead Of THHN, Add</i>	2,382.26 6.32	587.66
26 05 33 13-0055	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #8 Copper THHN And 1 #10 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #8 THWN Conductor Instead Of THHN, Add</i>	2,311.85 478.37 6.61	558.08
26 05 33 13-0056	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 3 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i> <i>For 3 #6 THWN Conductor Instead Of THHN, Add</i>	2,529.65 512.16 10.93	597.51

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0057	CLF		1" Rigid Galvanized Steel (RGS) Conduit Assembly With 4 #6 Copper THHN And 1 #8 Copper Insulated Grounding Conductor ..... Note: Includes conduit, terminations, straps, wire as indicated. Not for use where detail is available. For Work In Restricted Working Space, Add For 4 #6 THWN Conductor Instead Of THHN, Add	2,757.43 558.63 14.57	651.73
26 05 33 13-0058			Conduit <sup>(26 05 33 13)</sup> Note: Where 4-1/2" conduit is required, use tasks for 5" conduit. Add couplings as required at each fitting.		
26 05 33 13-0059			Conduit Installed Above Grade <sup>(26 05 33 13-0058)</sup>		
26 05 33 13-0060			Rigid Galvanized Steel (RGS) Or Galvanized Rigid Steel Conduit (GRC) Conduit <sup>(26 05 33 13-0059)</sup> Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0061			Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling <sup>(26 05 33 13-0060)</sup> Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".		
26 05 33 13-0062	LF		1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	10.55 -0.14 -0.60 -0.86 0.77 1.94 1.16 2.32 0.77 1.55 1.94 2.71 3.10 3.87 4.26	3.10
26 05 33 13-0063	LF		3/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	12.49 -0.17 -0.71 -1.02 0.90 2.26 1.35 2.71 0.90 1.80 2.26 3.16 3.61 4.51 4.96	3.38
26 05 33 13-0064	LF		1" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	17.48 -0.27 -1.01 -1.45 1.21 3.03 1.82 3.63 1.21 2.42 3.03 4.24 4.84 6.06 6.66	3.94
26 05 33 13-0065	LF		1-1/4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling ..... For >250 To 500, Deduct For >500 To 1,000, Deduct For >1,000, Deduct For Installation In Metal Stud Wall, Add For Installation In Wood Stud Wall (Includes Drilling), Add For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add For Work In Restricted Working Space, Add For Elevated Installation >10' To 15', Add For Elevated Installation >15' To 20', Add For Elevated Installation >20' To 25', Add For Elevated Installation >25' To 30', Add For Elevated Installation >30' To 35', Add For Elevated Installation >35' To 40', Add For Elevated Installation >40', Add	19.98 -0.36 -1.18 -1.68 1.28 3.21 1.92 3.85 1.28 2.56 3.21 4.49 5.13 6.41 7.05	4.50



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0066	LF		1-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	22.85	5.07
			For >250 To 500, Deduct	-0.44	
			For >500 To 1,000, Deduct	-1.36	
			For >1,000, Deduct	-1.93	
			For Installation In Metal Stud Wall, Add	1.41	
			For Installation In Wood Stud Wall (Includes Drilling), Add	3.52	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.11	
			For Work In Restricted Working Space, Add	4.22	
			For Elevated Installation >10' To 15', Add	1.41	
			For Elevated Installation >15' To 20', Add	2.82	
			For Elevated Installation >20' To 25', Add	3.52	
			For Elevated Installation >25' To 30', Add	4.93	
			For Elevated Installation >30' To 35', Add	5.63	
			For Elevated Installation >35' To 40', Add	7.04	
			For Elevated Installation >40', Add	7.74	
26 05 33 13-0067	LF		2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	29.05	6.20
			For >250 To 500, Deduct	-0.59	
			For >500 To 1,000, Deduct	-1.75	
			For >1,000, Deduct	-2.47	
			For Installation In Metal Stud Wall, Add	1.73	
			For Installation In Wood Stud Wall (Includes Drilling), Add	4.33	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.60	
			For Work In Restricted Working Space, Add	5.20	
			For Elevated Installation >10' To 15', Add	1.73	
			For Elevated Installation >15' To 20', Add	3.46	
			For Elevated Installation >20' To 25', Add	4.33	
			For Elevated Installation >25' To 30', Add	6.06	
			For Elevated Installation >30' To 35', Add	6.93	
			For Elevated Installation >35' To 40', Add	8.66	
			For Elevated Installation >40', Add	9.53	
26 05 33 13-0068	LF		2-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	42.95	8.45
			For >250 To 500, Deduct	-0.97	
			For >500 To 1,000, Deduct	-2.63	
			For >1,000, Deduct	-3.71	
			For Installation In Metal Stud Wall, Add	2.35	
			For Installation In Wood Stud Wall (Includes Drilling), Add	5.88	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.53	
			For Work In Restricted Working Space, Add	7.06	
			For Elevated Installation >10' To 15', Add	2.35	
			For Elevated Installation >15' To 20', Add	4.70	
			For Elevated Installation >20' To 25', Add	5.88	
			For Elevated Installation >25' To 30', Add	8.23	
			For Elevated Installation >30' To 35', Add	9.41	
			For Elevated Installation >35' To 40', Add	11.76	
			For Elevated Installation >40', Add	12.94	
26 05 33 13-0069	LF		3" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	56.41	11.26
			For >250 To 500, Deduct	-1.24	
			For >500 To 1,000, Deduct	-3.44	
			For >1,000, Deduct	-4.85	
			For Installation In Metal Stud Wall, Add	3.17	
			For Installation In Wood Stud Wall (Includes Drilling), Add	7.92	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.75	
			For Work In Restricted Working Space, Add	9.50	
			For Elevated Installation >10' To 15', Add	3.17	
			For Elevated Installation >15' To 20', Add	6.34	
			For Elevated Installation >20' To 25', Add	7.92	
			For Elevated Installation >25' To 30', Add	11.09	
			For Elevated Installation >30' To 35', Add	12.67	
			For Elevated Installation >35' To 40', Add	15.84	
			For Elevated Installation >40', Add	17.42	
26 05 33 13-0070	LF		3-1/2" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	67.77	14.08
			For >250 To 500, Deduct	-1.51	
			For >500 To 1,000, Deduct	-4.14	
			For >1,000, Deduct	-5.84	
			For Installation In Metal Stud Wall, Add	3.76	
			For Installation In Wood Stud Wall (Includes Drilling), Add	9.40	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.64	
			For Work In Restricted Working Space, Add	11.28	
			For Elevated Installation >10' To 15', Add	3.76	
			For Elevated Installation >15' To 20', Add	7.52	
			For Elevated Installation >20' To 25', Add	9.40	
			For Elevated Installation >25' To 30', Add	13.16	
			For Elevated Installation >30' To 35', Add	15.04	
			For Elevated Installation >35' To 40', Add	18.80	
			For Elevated Installation >40', Add	20.68	
26 05 33 13-0071	LF		4" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling.....	80.23	16.90
			For >250 To 500, Deduct	-1.84	
			For >500 To 1,000, Deduct	-4.93	
			For >1,000, Deduct	-6.94	
			For Installation In Metal Stud Wall, Add	4.34	
			For Installation In Wood Stud Wall (Includes Drilling), Add	10.84	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	6.51	
			For Work In Restricted Working Space, Add	13.01	
			For Elevated Installation >10' To 15', Add	4.34	
			For Elevated Installation >15' To 20', Add	8.67	
			For Elevated Installation >20' To 25', Add	10.84	
			For Elevated Installation >25' To 30', Add	15.18	
			For Elevated Installation >30' To 35', Add	17.35	
			For Elevated Installation >35' To 40', Add	21.69	
			For Elevated Installation >40', Add	23.85	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0072	LF	5" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	124.67	21.40
		<i>For &gt;250 To 500, Deduct</i>	-3.56	
		<i>For &gt;500 To 1,000, Deduct</i>	-8.01	
		<i>For &gt;1,000, Deduct</i>	-11.13	
		<i>For Installation In Metal Stud Wall, Add</i>	5.35	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	13.38	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	8.03	
		<i>For Work In Restricted Working Space, Add</i>	16.05	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.35	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.70	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.73	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.40	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.76	
		<i>For Elevated Installation &gt;40', Add</i>	29.43	
26 05 33 13-0073	LF	6" Rigid Galvanized Steel (RGS) Conduit With Threaded Coupling .....	167.61	27.04
		<i>For &gt;250 To 500, Deduct</i>	-5.00	
		<i>For &gt;500 To 1,000, Deduct</i>	-10.88	
		<i>For &gt;1,000, Deduct</i>	-15.07	
		<i>For Installation In Metal Stud Wall, Add</i>	6.76	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	16.90	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	10.14	
		<i>For Work In Restricted Working Space, Add</i>	20.28	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	33.80	
		<i>For Elevated Installation &gt;40', Add</i>	37.17	
26 05 33 13-0074		<b>Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
		See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0075	EA	1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	40.46	13.94
		<i>For Work In Restricted Working Space, Add</i>	10.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.50	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.99	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.74	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.48	
		<i>For Elevated Installation &gt;40', Add</i>	19.23	
26 05 33 13-0076	EA	3/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	50.72	17.32
		<i>For Work In Restricted Working Space, Add</i>	13.04	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.35	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.87	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.21	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.74	
		<i>For Elevated Installation &gt;40', Add</i>	23.91	
26 05 33 13-0077	EA	1" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	64.17	21.26
		<i>For Work In Restricted Working Space, Add</i>	15.90	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.30	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.60	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.55	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.20	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.51	
		<i>For Elevated Installation &gt;40', Add</i>	29.16	
26 05 33 13-0078	EA	1-1/4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	80.65	24.64
		<i>For Work In Restricted Working Space, Add</i>	18.47	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.16	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.39	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.55	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.62	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.78	
		<i>For Elevated Installation &gt;40', Add</i>	33.86	
26 05 33 13-0079	EA	1-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	93.41	28.30
		<i>For Work In Restricted Working Space, Add</i>	21.20	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.07	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.13	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.66	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.73	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.33	
		<i>For Elevated Installation &gt;40', Add</i>	38.86	
26 05 33 13-0080	EA	2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	109.01	31.12
		<i>For Work In Restricted Working Space, Add</i>	23.32	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.77	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	38.86	
		<i>For Elevated Installation &gt;40', Add</i>	42.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0081	EA		2-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	152.92	38.87
			<i>For Work In Restricted Working Space, Add</i>	29.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	48.58	
			<i>For Elevated Installation &gt;40', Add</i>	53.44	
26 05 33 13-0082	EA		3" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	215.39	52.95
			<i>For Work In Restricted Working Space, Add</i>	39.71	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.47	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	46.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	52.95	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	66.19	
			<i>For Elevated Installation &gt;40', Add</i>	72.80	
26 05 33 13-0083	EA		3-1/2" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	279.08	59.71
			<i>For Work In Restricted Working Space, Add</i>	44.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	37.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	52.25	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	59.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	74.65	
			<i>For Elevated Installation &gt;40', Add</i>	82.11	
26 05 33 13-0084	EA		4" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	343.86	77.73
			<i>For Work In Restricted Working Space, Add</i>	58.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.57	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	68.00	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	97.15	
			<i>For Elevated Installation &gt;40', Add</i>	106.86	
26 05 33 13-0085	EA		5" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	562.29	126.74
			<i>For Work In Restricted Working Space, Add</i>	95.06	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	63.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	79.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	110.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	126.75	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	158.44	
			<i>For Elevated Installation &gt;40', Add</i>	174.28	
26 05 33 13-0086	EA		6" Rigid Galvanized Steel (RGS) 90 Degree Standard Radius Elbow .....	845.23	190.39
			<i>For Work In Restricted Working Space, Add</i>	142.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	47.60	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	95.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	118.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	166.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	190.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	237.98	
			<i>For Elevated Installation &gt;40', Add</i>	261.77	
<b>26 05 33 13-0087</b>			<b>Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
			See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0088	EA		1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	40.46	13.94
			<i>For Work In Restricted Working Space, Add</i>	10.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.99	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.48	
			<i>For Elevated Installation &gt;40', Add</i>	19.23	
26 05 33 13-0089	EA		3/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	50.72	17.32
			<i>For Work In Restricted Working Space, Add</i>	13.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.74	
			<i>For Elevated Installation &gt;40', Add</i>	23.91	
26 05 33 13-0090	EA		1" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow .....	64.17	21.26
			<i>For Work In Restricted Working Space, Add</i>	15.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.30	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.51	
			<i>For Elevated Installation &gt;40', Add</i>	29.16	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0091	EA	1-1/4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	80.65	24.64
		<i>For Work In Restricted Working Space, Add</i>	18.47	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.16	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.39	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.55	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.62	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.78	
		<i>For Elevated Installation &gt;40', Add</i>	33.86	
26 05 33 13-0092	EA	1-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	93.41	28.30
		<i>For Work In Restricted Working Space, Add</i>	21.20	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.07	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.13	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.66	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.73	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.33	
		<i>For Elevated Installation &gt;40', Add</i>	38.86	
26 05 33 13-0093	EA	2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	109.01	31.12
		<i>For Work In Restricted Working Space, Add</i>	23.32	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.77	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.43	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.20	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	31.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	38.86	
		<i>For Elevated Installation &gt;40', Add</i>	42.75	
26 05 33 13-0094	EA	2-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	150.66	38.87
		<i>For Work In Restricted Working Space, Add</i>	29.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.01	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	38.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	48.58	
		<i>For Elevated Installation &gt;40', Add</i>	53.44	
26 05 33 13-0095	EA	3" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	206.57	52.95
		<i>For Work In Restricted Working Space, Add</i>	39.71	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.24	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	26.47	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	33.09	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	46.33	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	52.95	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	66.19	
		<i>For Elevated Installation &gt;40', Add</i>	72.80	
26 05 33 13-0096	EA	3-1/2" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	266.68	59.71
		<i>For Work In Restricted Working Space, Add</i>	44.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	14.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	29.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	37.32	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	52.25	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	59.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	74.65	
		<i>For Elevated Installation &gt;40', Add</i>	82.11	
26 05 33 13-0097	EA	4" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	327.38	77.73
		<i>For Work In Restricted Working Space, Add</i>	58.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	19.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	38.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	48.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	68.01	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	77.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	97.15	
		<i>For Elevated Installation &gt;40', Add</i>	106.87	
26 05 33 13-0098	EA	5" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	562.29	126.74
		<i>For Work In Restricted Working Space, Add</i>	95.06	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	31.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	63.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	79.22	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	110.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	126.75	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	158.44	
		<i>For Elevated Installation &gt;40', Add</i>	174.28	
26 05 33 13-0099	EA	6" Rigid Galvanized Steel (RGS) 45 Degree Standard Radius Elbow	845.23	190.39
		<i>For Work In Restricted Working Space, Add</i>	142.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	47.60	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	95.19	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	118.99	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	166.58	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	190.38	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	237.98	
		<i>For Elevated Installation &gt;40', Add</i>	261.77	

26 05 33 13-0100 Rigid Galvanized Steel (RGS) 12" Large Radius Elbow (26 05 33 13-0060)

See CSI section 26 05 33 13-1712 for conduit field bending.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0101 EA 1" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	96.15	34.78
For Work In Restricted Working Space, Add	20.87	
For Elevated Installation >10' To 15', Add	6.96	
For Elevated Installation >15' To 20', Add	13.91	
For Elevated Installation >20' To 25', Add	17.39	
For Elevated Installation >25' To 30', Add	24.35	
For Elevated Installation >30' To 35', Add	27.83	
For Elevated Installation >35' To 40', Add	34.79	
For Elevated Installation >40', Add	38.26	
26 05 33 13-0102 EA 1-1/4" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	110.89	40.27
For Work In Restricted Working Space, Add	24.17	
For Elevated Installation >10' To 15', Add	8.06	
For Elevated Installation >15' To 20', Add	16.11	
For Elevated Installation >20' To 25', Add	20.14	
For Elevated Installation >25' To 30', Add	28.19	
For Elevated Installation >30' To 35', Add	32.22	
For Elevated Installation >35' To 40', Add	40.28	
For Elevated Installation >40', Add	44.30	
26 05 33 13-0103 EA 1-1/2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	127.87	45.77
For Work In Restricted Working Space, Add	27.46	
For Elevated Installation >10' To 15', Add	9.15	
For Elevated Installation >15' To 20', Add	18.31	
For Elevated Installation >20' To 25', Add	22.88	
For Elevated Installation >25' To 30', Add	32.04	
For Elevated Installation >30' To 35', Add	36.61	
For Elevated Installation >35' To 40', Add	45.77	
For Elevated Installation >40', Add	50.34	
26 05 33 13-0104 EA 2" Rigid Galvanized Steel (RGS) 12" Large Radius Elbow.....	143.51	50.34
For Work In Restricted Working Space, Add	30.21	
For Elevated Installation >10' To 15', Add	10.07	
For Elevated Installation >15' To 20', Add	20.14	
For Elevated Installation >20' To 25', Add	25.17	
For Elevated Installation >25' To 30', Add	35.24	
For Elevated Installation >30' To 35', Add	40.28	
For Elevated Installation >35' To 40', Add	50.35	
For Elevated Installation >40', Add	55.38	
<b>26 05 33 13-0105 Rigid Galvanized Steel (RGS) 15" Large Radius Elbow</b> (26 05 33 13-0060)		
See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0106 EA 1" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	103.04	34.78
For Work In Restricted Working Space, Add	20.87	
For Elevated Installation >10' To 15', Add	6.96	
For Elevated Installation >15' To 20', Add	13.91	
For Elevated Installation >20' To 25', Add	17.39	
For Elevated Installation >25' To 30', Add	24.35	
For Elevated Installation >30' To 35', Add	27.83	
For Elevated Installation >35' To 40', Add	34.79	
For Elevated Installation >40', Add	38.26	
26 05 33 13-0107 EA 1-1/4" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	119.75	40.27
For Work In Restricted Working Space, Add	24.17	
For Elevated Installation >10' To 15', Add	8.06	
For Elevated Installation >15' To 20', Add	16.11	
For Elevated Installation >20' To 25', Add	20.14	
For Elevated Installation >25' To 30', Add	28.19	
For Elevated Installation >30' To 35', Add	32.22	
For Elevated Installation >35' To 40', Add	40.28	
For Elevated Installation >40', Add	44.30	
26 05 33 13-0108 EA 1-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	131.91	45.77
For Work In Restricted Working Space, Add	27.46	
For Elevated Installation >10' To 15', Add	9.15	
For Elevated Installation >15' To 20', Add	18.31	
For Elevated Installation >20' To 25', Add	22.88	
For Elevated Installation >25' To 30', Add	32.04	
For Elevated Installation >30' To 35', Add	36.61	
For Elevated Installation >35' To 40', Add	45.77	
For Elevated Installation >40', Add	50.34	
26 05 33 13-0109 EA 2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	148.02	50.34
For Work In Restricted Working Space, Add	30.21	
For Elevated Installation >10' To 15', Add	10.07	
For Elevated Installation >15' To 20', Add	20.14	
For Elevated Installation >20' To 25', Add	25.17	
For Elevated Installation >25' To 30', Add	35.24	
For Elevated Installation >30' To 35', Add	40.28	
For Elevated Installation >35' To 40', Add	50.35	
For Elevated Installation >40', Add	55.38	
26 05 33 13-0110 EA 2-1/2" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow.....	195.01	63.16
For Work In Restricted Working Space, Add	37.90	
For Elevated Installation >10' To 15', Add	12.63	
For Elevated Installation >15' To 20', Add	25.26	
For Elevated Installation >20' To 25', Add	31.58	
For Elevated Installation >25' To 30', Add	44.21	
For Elevated Installation >30' To 35', Add	50.53	
For Elevated Installation >35' To 40', Add	63.16	
For Elevated Installation >40', Add	69.48	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0111	EA	3" Rigid Galvanized Steel (RGS) 15" Large Radius Elbow .....	262.94	86.05
		<i>For Work In Restricted Working Space, Add</i>	51.63	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.21	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	34.42	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	43.02	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	60.23	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	68.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	86.05	
		<i>For Elevated Installation &gt;40', Add</i>	94.65	

**26 05 33 13-0112 Rigid Galvanized Steel (RGS) 18" Large Radius Elbow** (26 05 33 13-0060)

See CSI section 26 05 33 13-1712 for conduit field bending.

26 05 33 13-0113	EA	1" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	103.37	34.78
		<i>For Work In Restricted Working Space, Add</i>	20.87	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.91	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.39	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.35	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.83	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.79	
		<i>For Elevated Installation &gt;40', Add</i>	38.26	
26 05 33 13-0114	EA	1-1/4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	118.87	40.27
		<i>For Work In Restricted Working Space, Add</i>	24.17	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.06	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.11	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.14	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.19	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.22	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.28	
		<i>For Elevated Installation &gt;40', Add</i>	44.30	
26 05 33 13-0115	EA	1-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	136.27	45.77
		<i>For Work In Restricted Working Space, Add</i>	27.46	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.04	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	45.77	
		<i>For Elevated Installation &gt;40', Add</i>	50.34	
26 05 33 13-0116	EA	2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	157.78	50.34
		<i>For Work In Restricted Working Space, Add</i>	30.21	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.07	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.14	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	35.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	40.28	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	50.35	
		<i>For Elevated Installation &gt;40', Add</i>	55.38	
26 05 33 13-0117	EA	2-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	204.11	63.16
		<i>For Work In Restricted Working Space, Add</i>	37.90	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.63	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	25.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	31.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	44.21	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	50.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	63.16	
		<i>For Elevated Installation &gt;40', Add</i>	69.48	
26 05 33 13-0118	EA	3" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	270.27	86.05
		<i>For Work In Restricted Working Space, Add</i>	51.63	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.21	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	34.42	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	43.02	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	60.23	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	68.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	86.05	
		<i>For Elevated Installation &gt;40', Add</i>	94.65	
26 05 33 13-0119	EA	3-1/2" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	332.84	97.03
		<i>For Work In Restricted Working Space, Add</i>	58.22	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	19.41	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	38.81	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	48.52	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	67.92	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	77.62	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	97.03	
		<i>For Elevated Installation &gt;40', Add</i>	106.73	
26 05 33 13-0120	EA	4" Rigid Galvanized Steel (RGS) 18" Large Radius Elbow .....	407.71	126.32
		<i>For Work In Restricted Working Space, Add</i>	75.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	25.26	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	50.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	63.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	88.42	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	101.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	126.32	
		<i>For Elevated Installation &gt;40', Add</i>	138.95	

**26 05 33 13-0121 Rigid Galvanized Steel (RGS) 24" Large Radius Elbow** (26 05 33 13-0060)

See CSI section 26 05 33 13-1712 for conduit field bending.

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0122 EA 1" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	114.36	34.78
For Work In Restricted Working Space, Add	20.87	
For Elevated Installation >10' To 15', Add	6.96	
For Elevated Installation >15' To 20', Add	13.91	
For Elevated Installation >20' To 25', Add	17.39	
For Elevated Installation >25' To 30', Add	24.35	
For Elevated Installation >30' To 35', Add	27.83	
For Elevated Installation >35' To 40', Add	34.79	
For Elevated Installation >40', Add	38.26	
26 05 33 13-0123 EA 1-1/4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	129.66	40.27
For Work In Restricted Working Space, Add	24.17	
For Elevated Installation >10' To 15', Add	8.06	
For Elevated Installation >15' To 20', Add	16.11	
For Elevated Installation >20' To 25', Add	20.14	
For Elevated Installation >25' To 30', Add	28.19	
For Elevated Installation >30' To 35', Add	32.22	
For Elevated Installation >35' To 40', Add	40.28	
For Elevated Installation >40', Add	44.30	
26 05 33 13-0124 EA 1-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	144.35	45.77
For Work In Restricted Working Space, Add	27.46	
For Elevated Installation >10' To 15', Add	9.15	
For Elevated Installation >15' To 20', Add	18.31	
For Elevated Installation >20' To 25', Add	22.88	
For Elevated Installation >25' To 30', Add	32.04	
For Elevated Installation >30' To 35', Add	36.61	
For Elevated Installation >35' To 40', Add	45.77	
For Elevated Installation >40', Add	50.34	
26 05 33 13-0125 EA 2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	169.69	50.34
For Work In Restricted Working Space, Add	30.21	
For Elevated Installation >10' To 15', Add	10.07	
For Elevated Installation >15' To 20', Add	20.14	
For Elevated Installation >20' To 25', Add	25.17	
For Elevated Installation >25' To 30', Add	35.24	
For Elevated Installation >30' To 35', Add	40.28	
For Elevated Installation >35' To 40', Add	50.35	
For Elevated Installation >40', Add	55.38	
26 05 33 13-0126 EA 2-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	220.35	63.16
For Work In Restricted Working Space, Add	37.90	
For Elevated Installation >10' To 15', Add	12.63	
For Elevated Installation >15' To 20', Add	25.26	
For Elevated Installation >20' To 25', Add	31.58	
For Elevated Installation >25' To 30', Add	44.21	
For Elevated Installation >30' To 35', Add	50.53	
For Elevated Installation >35' To 40', Add	63.16	
For Elevated Installation >40', Add	69.48	
26 05 33 13-0127 EA 3" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	295.73	86.05
For Work In Restricted Working Space, Add	51.63	
For Elevated Installation >10' To 15', Add	17.21	
For Elevated Installation >15' To 20', Add	34.42	
For Elevated Installation >20' To 25', Add	43.02	
For Elevated Installation >25' To 30', Add	60.23	
For Elevated Installation >30' To 35', Add	68.84	
For Elevated Installation >35' To 40', Add	86.05	
For Elevated Installation >40', Add	94.65	
26 05 33 13-0128 EA 3-1/2" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	357.59	97.03
For Work In Restricted Working Space, Add	58.22	
For Elevated Installation >10' To 15', Add	19.41	
For Elevated Installation >15' To 20', Add	38.81	
For Elevated Installation >20' To 25', Add	48.52	
For Elevated Installation >25' To 30', Add	67.92	
For Elevated Installation >30' To 35', Add	77.62	
For Elevated Installation >35' To 40', Add	97.03	
For Elevated Installation >40', Add	106.73	
26 05 33 13-0129 EA 4" Rigid Galvanized Steel (RGS) 24" Large Radius Elbow.....	427.44	126.32
For Work In Restricted Working Space, Add	75.79	
For Elevated Installation >10' To 15', Add	25.26	
For Elevated Installation >15' To 20', Add	50.53	
For Elevated Installation >20' To 25', Add	63.16	
For Elevated Installation >25' To 30', Add	88.42	
For Elevated Installation >30' To 35', Add	101.06	
For Elevated Installation >35' To 40', Add	126.32	
For Elevated Installation >40', Add	138.95	
<b>26 05 33 13-0130 Rigid Galvanized Steel (RGS) 30" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0131 EA 1" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	113.69	34.78
For Work In Restricted Working Space, Add	20.87	
For Elevated Installation >10' To 15', Add	6.96	
For Elevated Installation >15' To 20', Add	13.91	
For Elevated Installation >20' To 25', Add	17.39	
For Elevated Installation >25' To 30', Add	24.35	
For Elevated Installation >30' To 35', Add	27.83	
For Elevated Installation >35' To 40', Add	34.79	
For Elevated Installation >40', Add	38.26	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0132	EA		1-1/4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	137.67	40.27
			<i>For Work In Restricted Working Space, Add</i>	24.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	32.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	40.28	
			<i>For Elevated Installation &gt;40', Add</i>	44.30	
26 05 33 13-0133	EA		1-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	153.03	45.77
			<i>For Work In Restricted Working Space, Add</i>	27.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.77	
			<i>For Elevated Installation &gt;40', Add</i>	50.34	
26 05 33 13-0134	EA		2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	181.03	50.34
			<i>For Work In Restricted Working Space, Add</i>	30.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.35	
			<i>For Elevated Installation &gt;40', Add</i>	55.38	
26 05 33 13-0135	EA		2-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	235.92	63.16
			<i>For Work In Restricted Working Space, Add</i>	37.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	25.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	31.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	44.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	50.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	63.16	
			<i>For Elevated Installation &gt;40', Add</i>	69.48	
26 05 33 13-0136	EA		3" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	315.83	86.05
			<i>For Work In Restricted Working Space, Add</i>	51.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.21	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	43.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	60.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	86.05	
			<i>For Elevated Installation &gt;40', Add</i>	94.65	
26 05 33 13-0137	EA		3-1/2" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	382.05	97.03
			<i>For Work In Restricted Working Space, Add</i>	58.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	67.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	97.03	
			<i>For Elevated Installation &gt;40', Add</i>	106.73	
26 05 33 13-0138	EA		4" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	463.65	126.32
			<i>For Work In Restricted Working Space, Add</i>	75.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	63.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	88.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	101.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	126.32	
			<i>For Elevated Installation &gt;40', Add</i>	138.95	
26 05 33 13-0139	EA		5" Rigid Galvanized Steel (RGS) 30" Large Radius Elbow.....	682.94	205.96
			<i>For Work In Restricted Working Space, Add</i>	123.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	41.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	82.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	102.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	144.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	164.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	205.96	
			<i>For Elevated Installation &gt;40', Add</i>	226.55	
26 05 33 13-0140			<b>Rigid Galvanized Steel (RGS) 36" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small>		
			See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0141	EA		1" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	119.56	34.78
			<i>For Work In Restricted Working Space, Add</i>	20.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	34.79	
			<i>For Elevated Installation &gt;40', Add</i>	38.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0142	EA		1-1/4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	141.62	40.27
			<i>For Work In Restricted Working Space, Add</i>	24.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	28.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	32.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	40.28	
			<i>For Elevated Installation &gt;40', Add</i>	44.30	
26 05 33 13-0143	EA		1-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	168.24	45.77
			<i>For Work In Restricted Working Space, Add</i>	27.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.77	
			<i>For Elevated Installation &gt;40', Add</i>	50.34	
26 05 33 13-0144	EA		2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	189.89	50.34
			<i>For Work In Restricted Working Space, Add</i>	30.21	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.07	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.14	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	40.28	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	50.35	
			<i>For Elevated Installation &gt;40', Add</i>	55.38	
26 05 33 13-0145	EA		2-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	254.40	63.16
			<i>For Work In Restricted Working Space, Add</i>	37.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	25.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	31.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	44.21	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	50.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	63.16	
			<i>For Elevated Installation &gt;40', Add</i>	69.48	
26 05 33 13-0146	EA		3" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	333.02	86.05
			<i>For Work In Restricted Working Space, Add</i>	51.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.21	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	43.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	60.23	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	86.05	
			<i>For Elevated Installation &gt;40', Add</i>	94.65	
26 05 33 13-0147	EA		3-1/2" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	413.65	97.03
			<i>For Work In Restricted Working Space, Add</i>	58.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	67.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	97.03	
			<i>For Elevated Installation &gt;40', Add</i>	106.73	
26 05 33 13-0148	EA		4" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	480.69	126.32
			<i>For Work In Restricted Working Space, Add</i>	75.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.26	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	63.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	88.42	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	101.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	126.32	
			<i>For Elevated Installation &gt;40', Add</i>	138.95	
26 05 33 13-0149	EA		5" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	821.93	205.96
			<i>For Work In Restricted Working Space, Add</i>	123.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	41.19	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	82.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	102.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	144.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	164.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	205.96	
			<i>For Elevated Installation &gt;40', Add</i>	226.55	
26 05 33 13-0150	EA		6" Rigid Galvanized Steel (RGS) 36" Large Radius Elbow.....	1,069.23	309.39
			<i>For Work In Restricted Working Space, Add</i>	185.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	61.88	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	123.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	154.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	216.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	247.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	309.39	
			<i>For Elevated Installation &gt;40', Add</i>	340.32	

26 05 33 13-0151 Rigid Galvanized Steel (RGS) 42" Large Radius Elbow (26 05 33 13-0060)  
 See CSI section 26 05 33 13-1712 for conduit field bending.

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0152	EA	1" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	128.16	34.78
		<i>For Work In Restricted Working Space, Add</i>	20.87	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.91	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.39	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.35	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.83	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	34.79	
		<i>For Elevated Installation &gt;40', Add</i>	38.26	
26 05 33 13-0153	EA	1-1/4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	152.12	40.27
		<i>For Work In Restricted Working Space, Add</i>	24.17	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.06	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.11	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	20.14	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	28.19	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	32.22	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	40.28	
		<i>For Elevated Installation &gt;40', Add</i>	44.30	
26 05 33 13-0154	EA	1-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	179.40	45.77
		<i>For Work In Restricted Working Space, Add</i>	27.46	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.04	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	45.77	
		<i>For Elevated Installation &gt;40', Add</i>	50.34	
26 05 33 13-0155	EA	2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	201.56	50.34
		<i>For Work In Restricted Working Space, Add</i>	30.21	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.07	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.14	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	35.24	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	40.28	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	50.35	
		<i>For Elevated Installation &gt;40', Add</i>	55.38	
26 05 33 13-0156	EA	2-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	268.52	63.16
		<i>For Work In Restricted Working Space, Add</i>	37.90	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.63	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	25.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	31.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	44.21	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	50.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	63.16	
		<i>For Elevated Installation &gt;40', Add</i>	69.48	
26 05 33 13-0157	EA	3" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	358.21	86.05
		<i>For Work In Restricted Working Space, Add</i>	51.63	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	17.21	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	34.42	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	43.02	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	60.23	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	68.84	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	86.05	
		<i>For Elevated Installation &gt;40', Add</i>	94.65	
26 05 33 13-0158	EA	3-1/2" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	438.91	97.03
		<i>For Work In Restricted Working Space, Add</i>	58.22	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	19.41	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	38.81	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	48.52	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	67.92	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	77.62	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	97.03	
		<i>For Elevated Installation &gt;40', Add</i>	106.73	
26 05 33 13-0159	EA	4" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	553.37	126.32
		<i>For Work In Restricted Working Space, Add</i>	75.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	25.26	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	50.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	63.16	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	88.42	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	101.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	126.32	
		<i>For Elevated Installation &gt;40', Add</i>	138.95	
26 05 33 13-0160	EA	5" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	922.20	205.96
		<i>For Work In Restricted Working Space, Add</i>	123.57	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	41.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	82.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	102.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	144.17	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	164.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	205.96	
		<i>For Elevated Installation &gt;40', Add</i>	226.55	
26 05 33 13-0161	EA	6" Rigid Galvanized Steel (RGS) 42" Large Radius Elbow	1,156.05	309.39
		<i>For Work In Restricted Working Space, Add</i>	185.63	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	61.88	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	123.75	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	154.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	216.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	247.51	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	309.39	
		<i>For Elevated Installation &gt;40', Add</i>	340.32	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0162	<b>Rigid Galvanized Steel (RGS) 48" Large Radius Elbow</b> <small>(26 05 33 13-0060)</small> See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0163	EA 1" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	135.32	34.78
	For Work In Restricted Working Space, Add	20.87	
	For Elevated Installation >10' To 15', Add	6.96	
	For Elevated Installation >15' To 20', Add	13.91	
	For Elevated Installation >20' To 25', Add	17.39	
	For Elevated Installation >25' To 30', Add	24.35	
	For Elevated Installation >30' To 35', Add	27.83	
	For Elevated Installation >35' To 40', Add	34.79	
	For Elevated Installation >40', Add	38.26	
26 05 33 13-0164	EA 1-1/4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	160.21	40.27
	For Work In Restricted Working Space, Add	24.17	
	For Elevated Installation >10' To 15', Add	8.06	
	For Elevated Installation >15' To 20', Add	16.11	
	For Elevated Installation >20' To 25', Add	20.14	
	For Elevated Installation >25' To 30', Add	28.19	
	For Elevated Installation >30' To 35', Add	32.22	
	For Elevated Installation >35' To 40', Add	40.28	
	For Elevated Installation >40', Add	44.30	
26 05 33 13-0165	EA 1-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	186.46	45.77
	For Work In Restricted Working Space, Add	27.46	
	For Elevated Installation >10' To 15', Add	9.15	
	For Elevated Installation >15' To 20', Add	18.31	
	For Elevated Installation >20' To 25', Add	22.88	
	For Elevated Installation >25' To 30', Add	32.04	
	For Elevated Installation >30' To 35', Add	36.61	
	For Elevated Installation >35' To 40', Add	45.77	
	For Elevated Installation >40', Add	50.34	
26 05 33 13-0166	EA 2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	223.37	50.34
	For Work In Restricted Working Space, Add	30.21	
	For Elevated Installation >10' To 15', Add	10.07	
	For Elevated Installation >15' To 20', Add	20.14	
	For Elevated Installation >20' To 25', Add	25.17	
	For Elevated Installation >25' To 30', Add	35.24	
	For Elevated Installation >30' To 35', Add	40.28	
	For Elevated Installation >35' To 40', Add	50.35	
	For Elevated Installation >40', Add	55.38	
26 05 33 13-0167	EA 2-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	294.58	63.16
	For Work In Restricted Working Space, Add	37.90	
	For Elevated Installation >10' To 15', Add	12.63	
	For Elevated Installation >15' To 20', Add	25.26	
	For Elevated Installation >20' To 25', Add	31.58	
	For Elevated Installation >25' To 30', Add	44.21	
	For Elevated Installation >30' To 35', Add	50.53	
	For Elevated Installation >35' To 40', Add	63.16	
	For Elevated Installation >40', Add	69.48	
26 05 33 13-0168	EA 3" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	383.59	86.05
	For Work In Restricted Working Space, Add	51.63	
	For Elevated Installation >10' To 15', Add	17.21	
	For Elevated Installation >15' To 20', Add	34.42	
	For Elevated Installation >20' To 25', Add	43.02	
	For Elevated Installation >25' To 30', Add	60.23	
	For Elevated Installation >30' To 35', Add	68.84	
	For Elevated Installation >35' To 40', Add	86.05	
	For Elevated Installation >40', Add	94.65	
26 05 33 13-0169	EA 3-1/2" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	470.67	97.03
	For Work In Restricted Working Space, Add	58.22	
	For Elevated Installation >10' To 15', Add	19.41	
	For Elevated Installation >15' To 20', Add	38.81	
	For Elevated Installation >20' To 25', Add	48.52	
	For Elevated Installation >25' To 30', Add	67.92	
	For Elevated Installation >30' To 35', Add	77.62	
	For Elevated Installation >35' To 40', Add	97.03	
	For Elevated Installation >40', Add	106.73	
26 05 33 13-0170	EA 4" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	591.95	126.32
	For Work In Restricted Working Space, Add	75.79	
	For Elevated Installation >10' To 15', Add	25.26	
	For Elevated Installation >15' To 20', Add	50.53	
	For Elevated Installation >20' To 25', Add	63.16	
	For Elevated Installation >25' To 30', Add	88.42	
	For Elevated Installation >30' To 35', Add	101.06	
	For Elevated Installation >35' To 40', Add	126.32	
	For Elevated Installation >40', Add	138.95	
26 05 33 13-0171	EA 5" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow.....	953.60	205.96
	For Work In Restricted Working Space, Add	123.57	
	For Elevated Installation >10' To 15', Add	41.19	
	For Elevated Installation >15' To 20', Add	82.38	
	For Elevated Installation >20' To 25', Add	102.98	
	For Elevated Installation >25' To 30', Add	144.17	
	For Elevated Installation >30' To 35', Add	164.76	
	For Elevated Installation >35' To 40', Add	205.96	
	For Elevated Installation >40', Add	226.55	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0172	EA 6" Rigid Galvanized Steel (RGS) 48" Large Radius Elbow .....	1,173.62	309.39
	For Work In Restricted Working Space, Add	185.63	
	For Elevated Installation >10' To 15', Add	61.88	
	For Elevated Installation >15' To 20', Add	123.75	
	For Elevated Installation >20' To 25', Add	154.69	
	For Elevated Installation >25' To 30', Add	216.57	
	For Elevated Installation >30' To 35', Add	247.51	
	For Elevated Installation >35' To 40', Add	309.39	
	For Elevated Installation >40', Add	340.32	
<b>26 05 33 13-0173</b>	<b>Rigid Galvanized Steel (RGS) Plastic Insulating Bushing</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0174	EA 1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	18.34	8.98
	For Work In Restricted Working Space, Add	5.39	
	For Elevated Installation >10' To 15', Add	1.80	
	For Elevated Installation >15' To 20', Add	3.59	
	For Elevated Installation >20' To 25', Add	4.49	
	For Elevated Installation >25' To 30', Add	6.28	
	For Elevated Installation >30' To 35', Add	7.18	
	For Elevated Installation >35' To 40', Add	8.98	
	For Elevated Installation >40', Add	9.87	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.39	
26 05 33 13-0175	EA 3/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing.....	19.66	9.58
	For Work In Restricted Working Space, Add	5.75	
	For Elevated Installation >10' To 15', Add	1.92	
	For Elevated Installation >15' To 20', Add	3.83	
	For Elevated Installation >20' To 25', Add	4.79	
	For Elevated Installation >25' To 30', Add	6.70	
	For Elevated Installation >30' To 35', Add	7.66	
	For Elevated Installation >35' To 40', Add	9.58	
	For Elevated Installation >40', Add	10.53	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5.75	
26 05 33 13-0176	EA 1" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	22.32	10.77
	For Work In Restricted Working Space, Add	6.46	
	For Elevated Installation >10' To 15', Add	2.15	
	For Elevated Installation >15' To 20', Add	4.31	
	For Elevated Installation >20' To 25', Add	5.39	
	For Elevated Installation >25' To 30', Add	7.54	
	For Elevated Installation >30' To 35', Add	8.62	
	For Elevated Installation >35' To 40', Add	10.77	
	For Elevated Installation >40', Add	11.85	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.46	
26 05 33 13-0177	EA 1-1/4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	25.06	11.97
	For Work In Restricted Working Space, Add	7.18	
	For Elevated Installation >10' To 15', Add	2.39	
	For Elevated Installation >15' To 20', Add	4.79	
	For Elevated Installation >20' To 25', Add	5.99	
	For Elevated Installation >25' To 30', Add	8.38	
	For Elevated Installation >30' To 35', Add	9.58	
	For Elevated Installation >35' To 40', Add	11.97	
	For Elevated Installation >40', Add	13.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.18	
26 05 33 13-0178	EA 1-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	31.47	14.96
	For Work In Restricted Working Space, Add	8.98	
	For Elevated Installation >10' To 15', Add	2.99	
	For Elevated Installation >15' To 20', Add	5.99	
	For Elevated Installation >20' To 25', Add	7.48	
	For Elevated Installation >25' To 30', Add	10.48	
	For Elevated Installation >30' To 35', Add	11.97	
	For Elevated Installation >35' To 40', Add	14.97	
	For Elevated Installation >40', Add	16.46	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.98	
26 05 33 13-0179	EA 2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	38.76	17.95
	For Work In Restricted Working Space, Add	10.77	
	For Elevated Installation >10' To 15', Add	3.59	
	For Elevated Installation >15' To 20', Add	7.18	
	For Elevated Installation >20' To 25', Add	8.98	
	For Elevated Installation >25' To 30', Add	12.57	
	For Elevated Installation >30' To 35', Add	14.36	
	For Elevated Installation >35' To 40', Add	17.96	
	For Elevated Installation >40', Add	19.75	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.77	
26 05 33 13-0180	EA 2-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	48.20	20.94
	For Work In Restricted Working Space, Add	12.57	
	For Elevated Installation >10' To 15', Add	4.19	
	For Elevated Installation >15' To 20', Add	8.38	
	For Elevated Installation >20' To 25', Add	10.48	
	For Elevated Installation >25' To 30', Add	14.67	
	For Elevated Installation >30' To 35', Add	16.76	
	For Elevated Installation >35' To 40', Add	20.95	
	For Elevated Installation >40', Add	23.05	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0181	EA		3" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	54.52	23.94
			<i>For Work In Restricted Working Space, Add</i>	14.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
			<i>For Elevated Installation &gt;40', Add</i>	26.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-0182	EA		3-1/2" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	63.08	22.53
			<i>For Work In Restricted Working Space, Add</i>	16.16	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.93	
			<i>For Elevated Installation &gt;40', Add</i>	29.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.16	
26 05 33 13-0183	EA		4" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	70.01	29.93
			<i>For Work In Restricted Working Space, Add</i>	17.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	20.95	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	23.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	29.93	
			<i>For Elevated Installation &gt;40', Add</i>	32.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.96	
26 05 33 13-0184	EA		5" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	83.16	32.92
			<i>For Work In Restricted Working Space, Add</i>	19.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.46	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	32.92	
			<i>For Elevated Installation &gt;40', Add</i>	36.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.75	
26 05 33 13-0185	EA		6" Rigid Galvanized Steel (RGS) Plastic Insulating Bushing .....	115.69	35.91
			<i>For Work In Restricted Working Space, Add</i>	21.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.18	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.36	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.96	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	25.14	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.73	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.91	
			<i>For Elevated Installation &gt;40', Add</i>	39.50	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.55	
<b>26 05 33 13-0186</b>			<b>Rigid Galvanized Steel (RGS) Steel Bushing <small>(26 05 33 13-0060)</small> .....</b>	<b>22.08</b>	
26 05 33 13-0187	EA		1/2" Rigid Galvanized Steel (RGS) Steel Bushing .....	22.08	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-0188	EA		3/4" Rigid Galvanized Steel (RGS) Steel Bushing .....	23.94	11.26
			<i>For Work In Restricted Working Space, Add</i>	6.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.27	
			<i>For Elevated Installation &gt;40', Add</i>	12.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.76	
26 05 33 13-0189	EA		1" Rigid Galvanized Steel (RGS) Steel Bushing .....	27.79	12.68
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
			<i>For Elevated Installation &gt;40', Add</i>	13.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.61	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0190	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Bushing.....	31.18	14.08
		<i>For Work In Restricted Working Space, Add</i>	8.45	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
		<i>For Elevated Installation &gt;40', Add</i>	15.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 05 33 13-0191	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	39.67	17.60
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
		<i>For Elevated Installation &gt;40', Add</i>	19.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0192	EA	2" Rigid Galvanized Steel (RGS) Steel Bushing.....	47.05	21.12
		<i>For Work In Restricted Working Space, Add</i>	12.68	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
		<i>For Elevated Installation &gt;40', Add</i>	23.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68	
26 05 33 13-0193	EA	2-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	64.37	24.64
		<i>For Work In Restricted Working Space, Add</i>	14.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.32	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.25	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.65	
		<i>For Elevated Installation &gt;40', Add</i>	27.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
26 05 33 13-0194	EA	3" Rigid Galvanized Steel (RGS) Steel Bushing.....	76.12	28.16
		<i>For Work In Restricted Working Space, Add</i>	16.90	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
		<i>For Elevated Installation &gt;40', Add</i>	30.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.90	
26 05 33 13-0195	EA	3-1/2" Rigid Galvanized Steel (RGS) Steel Bushing.....	109.58	31.68
		<i>For Work In Restricted Working Space, Add</i>	19.01	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.35	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.69	
		<i>For Elevated Installation &gt;40', Add</i>	34.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.01	
26 05 33 13-0196	EA	4" Rigid Galvanized Steel (RGS) Steel Bushing.....	145.36	35.21
		<i>For Work In Restricted Working Space, Add</i>	21.12	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
		<i>For Elevated Installation &gt;40', Add</i>	38.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0197	EA	5" Rigid Galvanized Steel (RGS) Steel Bushing.....	191.13	38.73
		<i>For Work In Restricted Working Space, Add</i>	23.24	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.36	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
		<i>For Elevated Installation &gt;40', Add</i>	42.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33 13-0198	EA	6" Rigid Galvanized Steel (RGS) Steel Bushing.....	276.35	42.25
		<i>For Work In Restricted Working Space, Add</i>	25.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
		<i>For Elevated Installation &gt;40', Add</i>	46.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.35	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-0199	Rigid Galvanized Steel (RGS) Steel Insulated Bushing <small>(26 05 33 13-0060)</small>		
26 05 33 13-0200	EA 1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	23.22	10.56
	For Work In Restricted Working Space, Add	6.34	
	For Elevated Installation >10' To 15', Add	2.11	
	For Elevated Installation >15' To 20', Add	4.22	
	For Elevated Installation >20' To 25', Add	5.28	
	For Elevated Installation >25' To 30', Add	7.39	
	For Elevated Installation >30' To 35', Add	8.45	
	For Elevated Installation >35' To 40', Add	10.56	
	For Elevated Installation >40', Add	11.62	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.34	
26 05 33 13-0201	EA 3/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	25.65	11.26
	For Work In Restricted Working Space, Add	6.76	
	For Elevated Installation >10' To 15', Add	2.25	
	For Elevated Installation >15' To 20', Add	4.51	
	For Elevated Installation >20' To 25', Add	5.63	
	For Elevated Installation >25' To 30', Add	7.89	
	For Elevated Installation >30' To 35', Add	9.01	
	For Elevated Installation >35' To 40', Add	11.27	
	For Elevated Installation >40', Add	12.39	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	6.76	
26 05 33 13-0202	EA 1" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	29.95	12.68
	For Work In Restricted Working Space, Add	7.61	
	For Elevated Installation >10' To 15', Add	2.54	
	For Elevated Installation >15' To 20', Add	5.07	
	For Elevated Installation >20' To 25', Add	6.34	
	For Elevated Installation >25' To 30', Add	8.87	
	For Elevated Installation >30' To 35', Add	10.14	
	For Elevated Installation >35' To 40', Add	12.68	
	For Elevated Installation >40', Add	13.94	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	7.61	
26 05 33 13-0203	EA 1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	34.82	14.08
	For Work In Restricted Working Space, Add	8.45	
	For Elevated Installation >10' To 15', Add	2.82	
	For Elevated Installation >15' To 20', Add	5.63	
	For Elevated Installation >20' To 25', Add	7.04	
	For Elevated Installation >25' To 30', Add	9.86	
	For Elevated Installation >30' To 35', Add	11.26	
	For Elevated Installation >35' To 40', Add	14.08	
	For Elevated Installation >40', Add	15.49	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	8.45	
26 05 33 13-0204	EA 1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	43.47	17.60
	For Work In Restricted Working Space, Add	10.56	
	For Elevated Installation >10' To 15', Add	3.52	
	For Elevated Installation >15' To 20', Add	7.04	
	For Elevated Installation >20' To 25', Add	8.80	
	For Elevated Installation >25' To 30', Add	12.32	
	For Elevated Installation >30' To 35', Add	14.08	
	For Elevated Installation >35' To 40', Add	17.61	
	For Elevated Installation >40', Add	19.37	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	10.56	
26 05 33 13-0205	EA 2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	53.78	21.12
	For Work In Restricted Working Space, Add	12.68	
	For Elevated Installation >10' To 15', Add	4.23	
	For Elevated Installation >15' To 20', Add	8.45	
	For Elevated Installation >20' To 25', Add	10.56	
	For Elevated Installation >25' To 30', Add	14.79	
	For Elevated Installation >30' To 35', Add	16.90	
	For Elevated Installation >35' To 40', Add	21.13	
	For Elevated Installation >40', Add	23.24	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	12.68	
26 05 33 13-0206	EA 2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	73.50	24.64
	For Work In Restricted Working Space, Add	14.79	
	For Elevated Installation >10' To 15', Add	4.93	
	For Elevated Installation >15' To 20', Add	9.86	
	For Elevated Installation >20' To 25', Add	12.32	
	For Elevated Installation >25' To 30', Add	17.25	
	For Elevated Installation >30' To 35', Add	19.72	
	For Elevated Installation >35' To 40', Add	24.65	
	For Elevated Installation >40', Add	27.11	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	14.79	
26 05 33 13-0207	EA 3" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	86.82	28.16
	For Work In Restricted Working Space, Add	16.90	
	For Elevated Installation >10' To 15', Add	5.63	
	For Elevated Installation >15' To 20', Add	11.27	
	For Elevated Installation >20' To 25', Add	14.08	
	For Elevated Installation >25' To 30', Add	19.72	
	For Elevated Installation >30' To 35', Add	22.53	
	For Elevated Installation >35' To 40', Add	28.17	
	For Elevated Installation >40', Add	30.98	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.90	
26 05 33 13-0208	EA 3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	111.57	31.68
	For Work In Restricted Working Space, Add	19.01	
	For Elevated Installation >10' To 15', Add	6.34	
	For Elevated Installation >15' To 20', Add	12.67	
	For Elevated Installation >20' To 25', Add	15.84	
	For Elevated Installation >25' To 30', Add	22.18	
	For Elevated Installation >30' To 35', Add	25.35	
	For Elevated Installation >35' To 40', Add	31.69	
	For Elevated Installation >40', Add	34.85	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	19.01	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0209	EA	4" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	154.27	35.21
		<i>For Work In Restricted Working Space, Add</i>	21.12	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
		<i>For Elevated Installation &gt;40', Add</i>	38.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0210	EA	5" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	200.84	38.73
		<i>For Work In Restricted Working Space, Add</i>	23.24	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.36	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
		<i>For Elevated Installation &gt;40', Add</i>	42.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33 13-0211	EA	6" Rigid Galvanized Steel (RGS) Steel Insulated Bushing.....	279.78	42.25
		<i>For Work In Restricted Working Space, Add</i>	25.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
		<i>For Elevated Installation &gt;40', Add</i>	46.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.35	
<b>26 05 33 13-0212</b>		<b>Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0213	EA	1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	33.82	12.68
		<i>For Work In Restricted Working Space, Add</i>	7.61	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
		<i>For Elevated Installation &gt;40', Add</i>	13.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.61	
26 05 33 13-0214	EA	3/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	37.83	14.08
		<i>For Work In Restricted Working Space, Add</i>	8.45	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
		<i>For Elevated Installation &gt;40', Add</i>	15.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 05 33 13-0215	EA	1" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	43.04	15.49
		<i>For Work In Restricted Working Space, Add</i>	9.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
		<i>For Elevated Installation &gt;40', Add</i>	17.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-0216	EA	1-1/4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	50.81	17.60
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
		<i>For Elevated Installation &gt;40', Add</i>	19.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0217	EA	1-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	61.65	21.83
		<i>For Work In Restricted Working Space, Add</i>	13.10	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.37	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.91	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.28	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.46	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.83	
		<i>For Elevated Installation &gt;40', Add</i>	24.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.10	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0218	EA		2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	77.12	26.05
			<i>For Work In Restricted Working Space, Add</i>	15.63	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.21	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.42	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.03	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.24	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	20.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.06	
			<i>For Elevated Installation &gt;40', Add</i>	28.66	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.63	
26 05 33 13-0219	EA		2-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	101.41	30.28
			<i>For Work In Restricted Working Space, Add</i>	18.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.28	
			<i>For Elevated Installation &gt;40', Add</i>	33.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.17	
26 05 33 13-0220	EA		3" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	112.56	35.21
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0221	EA		3-1/2" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	127.13	39.43
			<i>For Work In Restricted Working Space, Add</i>	23.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.89	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.77	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.60	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	31.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	39.43	
			<i>For Elevated Installation &gt;40', Add</i>	43.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.66	
26 05 33 13-0222	EA		4" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	161.20	43.65
			<i>For Work In Restricted Working Space, Add</i>	26.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.73	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.46	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.83	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	30.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	34.92	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	43.66	
			<i>For Elevated Installation &gt;40', Add</i>	48.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.19	
26 05 33 13-0223	EA		5" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	222.95	47.88
			<i>For Work In Restricted Working Space, Add</i>	28.73	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	23.94	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	33.52	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	47.88	
			<i>For Elevated Installation &gt;40', Add</i>	52.67	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.73	
26 05 33 13-0224	EA		6" Rigid Galvanized Steel (RGS) Steel Insulated Grounding Bushing.....	301.68	52.81
			<i>For Work In Restricted Working Space, Add</i>	31.69	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.56	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.12	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	26.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	36.97	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	42.25	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	52.81	
			<i>For Elevated Installation &gt;40', Add</i>	58.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.69	
26 05 33 13-0225			<b>Rigid Galvanized Steel (RGS) Box Connectors With Set Screw</b> (26 05 33 13-0060)		
26 05 33 13-0226	EA		1/2" Rigid Galvanized Steel (RGS) Box Connector With Set Screw.....	20.59	6.48
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.21	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.04	
			<i>For Elevated Installation &gt;40', Add</i>	8.84	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0227	EA	3/4" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	24.88	7.46
		<i>For Work In Restricted Working Space, Add</i>	5.58	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.86	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.65	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.51	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.44	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.31	
		<i>For Elevated Installation &gt;40', Add</i>	10.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.58	
26 05 33 13-0228	EA	1" Rigid Galvanized Steel (RGS) Box Connector With Set Screw .....	32.43	9.02
		<i>For Work In Restricted Working Space, Add</i>	6.73	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.24	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.49	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.61	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.85	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.22	
		<i>For Elevated Installation &gt;40', Add</i>	12.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.73	
26 05 33 13-0229	EA	1-1/4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	47.50	11.12
		<i>For Work In Restricted Working Space, Add</i>	8.37	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.79	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.58	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.77	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.95	
		<i>For Elevated Installation &gt;40', Add</i>	15.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.37	
26 05 33 13-0230	EA	1-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	64.27	14.92
		<i>For Work In Restricted Working Space, Add</i>	11.21	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.74	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.47	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.34	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.07	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.94	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	18.68	
		<i>For Elevated Installation &gt;40', Add</i>	20.54	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.21	
26 05 33 13-0231	EA	2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	108.72	22.39
		<i>For Work In Restricted Working Space, Add</i>	16.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.60	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.19	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.99	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.58	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.38	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	27.98	
		<i>For Elevated Installation &gt;40', Add</i>	30.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.79	
26 05 33 13-0232	EA	2-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	192.57	24.78
		<i>For Work In Restricted Working Space, Add</i>	18.59	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.69	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.79	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.99	
		<i>For Elevated Installation &gt;40', Add</i>	34.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.59	
26 05 33 13-0233	EA	3" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	229.64	30.00
		<i>For Work In Restricted Working Space, Add</i>	22.52	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.51	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.01	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	18.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	26.27	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	30.02	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	37.53	
		<i>For Elevated Installation &gt;40', Add</i>	41.28	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.52	
26 05 33 13-0234	EA	3-1/2" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	309.84	37.60
		<i>For Work In Restricted Working Space, Add</i>	28.19	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.40	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	23.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.88	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	37.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	46.98	
		<i>For Elevated Installation &gt;40', Add</i>	51.67	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.19	
26 05 33 13-0235	EA	4" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	363.20	45.07
		<i>For Work In Restricted Working Space, Add</i>	33.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
		<i>For Elevated Installation &gt;40', Add</i>	61.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0236	EA		5" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	631.60	50.13
			<i>For Work In Restricted Working Space, Add</i>	37.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	25.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	31.30	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	43.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	50.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	62.60	
			<i>For Elevated Installation &gt;40', Add</i>	68.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.56	
26 05 33 13-0237	EA		6" Rigid Galvanized Steel (RGS) Box Connector, Insulated With Set Screw.....	753.81	56.33
			<i>For Work In Restricted Working Space, Add</i>	42.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.20	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.28	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.40	
			<i>For Elevated Installation &gt;40', Add</i>	77.43	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.24	
<b>26 05 33 13-0238</b>			<b>Rigid Galvanized Steel (RGS) Nipples</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0239	EA		1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.12	9.16
			<i>For Work In Restricted Working Space, Add</i>	5.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
			<i>For Elevated Installation &gt;40', Add</i>	10.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-0240	EA		3/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.17	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-0241	EA		1" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	29.61	13.38
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
			<i>For Elevated Installation &gt;40', Add</i>	14.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-0242	EA		1-1/4" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	34.62	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-0243	EA		1-1/2" x 2" Long, Rigid Galvanized Steel (RGS) Nipple.....	39.53	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0244	EA		1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.27	9.16
			<i>For Work In Restricted Working Space, Add</i>	5.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
			<i>For Elevated Installation &gt;40', Add</i>	10.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0245	EA	3/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	23.40	10.56
		<i>For Work In Restricted Working Space, Add</i>	6.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
		<i>For Elevated Installation &gt;40', Add</i>	11.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-0246	EA	1" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	29.86	13.38
		<i>For Work In Restricted Working Space, Add</i>	8.03	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
		<i>For Elevated Installation &gt;40', Add</i>	14.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-0247	EA	1-1/4" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	34.97	15.49
		<i>For Work In Restricted Working Space, Add</i>	9.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
		<i>For Elevated Installation &gt;40', Add</i>	17.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-0248	EA	1-1/2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	40.08	17.60
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
		<i>For Elevated Installation &gt;40', Add</i>	19.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0249	EA	2" x 2-1/2" Long, Rigid Galvanized Steel (RGS) Nipple	45.31	19.72
		<i>For Work In Restricted Working Space, Add</i>	11.83	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
		<i>For Elevated Installation &gt;40', Add</i>	21.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-0250	EA	1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	20.43	9.16
		<i>For Work In Restricted Working Space, Add</i>	5.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
		<i>For Elevated Installation &gt;40', Add</i>	10.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-0251	EA	3/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	23.61	10.56
		<i>For Work In Restricted Working Space, Add</i>	6.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
		<i>For Elevated Installation &gt;40', Add</i>	11.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-0252	EA	1" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	30.22	13.38
		<i>For Work In Restricted Working Space, Add</i>	8.03	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
		<i>For Elevated Installation &gt;40', Add</i>	14.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-0253	EA	1-1/4" x 3" Long, Rigid Galvanized Steel (RGS) Nipple	35.28	15.49
		<i>For Work In Restricted Working Space, Add</i>	9.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
		<i>For Elevated Installation &gt;40', Add</i>	17.04	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0254	EA	1-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	40.45	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-0255	EA	2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	46.23	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
			<i>For Elevated Installation &gt;40', Add</i>	21.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33	13-0256	EA	2-1/2" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	61.92	23.94
			<i>For Work In Restricted Working Space, Add</i>	14.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
			<i>For Elevated Installation &gt;40', Add</i>	26.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33	13-0257	EA	3" x 3" Long, Rigid Galvanized Steel (RGS) Nipple.....	83.45	33.09
			<i>For Work In Restricted Working Space, Add</i>	19.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.09	
			<i>For Elevated Installation &gt;40', Add</i>	36.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33	13-0258	EA	1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.63	9.16
			<i>For Work In Restricted Working Space, Add</i>	5.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
			<i>For Elevated Installation &gt;40', Add</i>	10.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-0259	EA	3/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	23.71	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-0260	EA	1" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.68	13.38
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
			<i>For Elevated Installation &gt;40', Add</i>	14.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-0261	EA	1-1/4" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	35.87	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-0262	EA	1-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	41.23	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0263	EA	2" x 3-1/2" Long, Rigid Galvanized Steel (RGS), Nipple.....	47.18	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
			<i>For Elevated Installation &gt;40', Add</i>	21.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33	13-0264	EA	2-1/2" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	64.48	23.94
			<i>For Work In Restricted Working Space, Add</i>	14.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
			<i>For Elevated Installation &gt;40', Add</i>	26.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33	13-0265	EA	3" x 3-1/2" Long, Rigid Galvanized Steel (RGS) Nipple.....	85.67	33.09
			<i>For Work In Restricted Working Space, Add</i>	19.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.09	
			<i>For Elevated Installation &gt;40', Add</i>	36.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33	13-0266	EA	1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	20.83	9.16
			<i>For Work In Restricted Working Space, Add</i>	5.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
			<i>For Elevated Installation &gt;40', Add</i>	10.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-0267	EA	3/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.07	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-0268	EA	1" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	30.97	13.38
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
			<i>For Elevated Installation &gt;40', Add</i>	14.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-0269	EA	1-1/4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	36.15	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-0270	EA	1-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	41.77	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-0271	EA	2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	47.98	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
			<i>For Elevated Installation &gt;40', Add</i>	21.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0272	EA	2-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	65.26	23.94
			<i>For Work In Restricted Working Space, Add</i>	14.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
			<i>For Elevated Installation &gt;40', Add</i>	26.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33	13-0273	EA	3" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	87.30	33.09
			<i>For Work In Restricted Working Space, Add</i>	19.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.09	
			<i>For Elevated Installation &gt;40', Add</i>	36.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33	13-0274	EA	3-1/2" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	100.34	37.32
			<i>For Work In Restricted Working Space, Add</i>	22.39	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.66	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.85	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.32	
			<i>For Elevated Installation &gt;40', Add</i>	41.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33	13-0275	EA	4" x 4" Long, Rigid Galvanized Steel (RGS) Nipple.....	126.03	48.59
			<i>For Work In Restricted Working Space, Add</i>	29.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	48.58	
			<i>For Elevated Installation &gt;40', Add</i>	53.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33	13-0276	EA	1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	21.13	9.16
			<i>For Work In Restricted Working Space, Add</i>	5.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
			<i>For Elevated Installation &gt;40', Add</i>	10.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-0277	EA	3/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	24.51	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-0278	EA	1" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.53	13.38
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
			<i>For Elevated Installation &gt;40', Add</i>	14.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-0279	EA	1-1/4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	36.97	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-0280	EA	1-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple.....	42.57	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0281	EA 2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	49.41	19.72
	<i>For Work In Restricted Working Space, Add</i>	11.83	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
	<i>For Elevated Installation &gt;40', Add</i>	21.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-0282	EA 2-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	68.43	23.94
	<i>For Work In Restricted Working Space, Add</i>	14.36	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.57	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	16.75	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
	<i>For Elevated Installation &gt;40', Add</i>	26.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-0283	EA 3" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	90.74	33.09
	<i>For Work In Restricted Working Space, Add</i>	19.85	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	23.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	26.47	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	33.09	
	<i>For Elevated Installation &gt;40', Add</i>	36.40	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33 13-0284	EA 3-1/2" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	103.75	37.32
	<i>For Work In Restricted Working Space, Add</i>	22.39	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.46	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.93	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	18.66	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	26.12	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	29.85	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	37.32	
	<i>For Elevated Installation &gt;40', Add</i>	41.05	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33 13-0285	EA 4" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	131.01	48.59
	<i>For Work In Restricted Working Space, Add</i>	29.15	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	9.72	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	19.43	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	24.29	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	34.01	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	38.86	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	48.58	
	<i>For Elevated Installation &gt;40', Add</i>	53.44	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33 13-0286	EA 5" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	199.47	66.89
	<i>For Work In Restricted Working Space, Add</i>	40.13	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	13.38	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	26.75	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	33.44	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	46.82	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	53.51	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	66.89	
	<i>For Elevated Installation &gt;40', Add</i>	73.57	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	
26 05 33 13-0287	EA 6" x 5" Long, Rigid Galvanized Steel (RGS) Nipple .....	253.51	85.76
	<i>For Work In Restricted Working Space, Add</i>	51.49	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	17.16	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	34.33	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	42.91	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	60.07	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	68.65	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	85.82	
	<i>For Elevated Installation &gt;40', Add</i>	94.40	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.49	
26 05 33 13-0288	EA 1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	21.68	9.16
	<i>For Work In Restricted Working Space, Add</i>	5.49	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
	<i>For Elevated Installation &gt;40', Add</i>	10.07	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-0289	EA 3/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	25.07	10.56
	<i>For Work In Restricted Working Space, Add</i>	6.34	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
	<i>For Elevated Installation &gt;40', Add</i>	11.62	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0290	EA	1" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	31.98	13.38
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
			<i>For Elevated Installation &gt;40', Add</i>	14.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-0291	EA	1-1/4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	37.73	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-0292	EA	1-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	44.25	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-0293	EA	2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	50.84	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
			<i>For Elevated Installation &gt;40', Add</i>	21.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33	13-0294	EA	2-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	71.20	23.94
			<i>For Work In Restricted Working Space, Add</i>	14.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
			<i>For Elevated Installation &gt;40', Add</i>	26.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33	13-0295	EA	3" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	94.22	33.09
			<i>For Work In Restricted Working Space, Add</i>	19.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.09	
			<i>For Elevated Installation &gt;40', Add</i>	36.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33	13-0296	EA	3-1/2" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	107.91	37.32
			<i>For Work In Restricted Working Space, Add</i>	22.39	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.66	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.85	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.32	
			<i>For Elevated Installation &gt;40', Add</i>	41.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33	13-0297	EA	4" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	134.96	48.59
			<i>For Work In Restricted Working Space, Add</i>	29.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	48.58	
			<i>For Elevated Installation &gt;40', Add</i>	53.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33	13-0298	EA	5" x 6" Long, Rigid Galvanized Steel (RGS) Nipple.....	205.26	66.89
			<i>For Work In Restricted Working Space, Add</i>	40.13	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	46.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	53.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	66.89	
			<i>For Elevated Installation &gt;40', Add</i>	73.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0299	EA 6" x 6" Long, Rigid Galvanized Steel (RGS) Nipple .....	261.99	85.76
	<i>For Work In Restricted Working Space, Add</i>	51.49	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	17.16	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	34.33	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	42.91	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	60.07	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	68.65	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	85.82	
	<i>For Elevated Installation &gt;40', Add</i>	94.40	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.49	
26 05 33 13-0300	EA 1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	23.68	9.16
	<i>For Work In Restricted Working Space, Add</i>	5.49	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
	<i>For Elevated Installation &gt;40', Add</i>	10.07	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-0301	EA 3/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	27.63	10.56
	<i>For Work In Restricted Working Space, Add</i>	6.34	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
	<i>For Elevated Installation &gt;40', Add</i>	11.62	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-0302	EA 1" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	35.00	13.38
	<i>For Work In Restricted Working Space, Add</i>	8.03	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
	<i>For Elevated Installation &gt;40', Add</i>	14.71	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-0303	EA 1-1/4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	42.03	15.49
	<i>For Work In Restricted Working Space, Add</i>	9.29	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
	<i>For Elevated Installation &gt;40', Add</i>	17.04	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-0304	EA 1-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	49.04	17.60
	<i>For Work In Restricted Working Space, Add</i>	10.56	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
	<i>For Elevated Installation &gt;40', Add</i>	19.37	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0305	EA 2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	55.89	19.72
	<i>For Work In Restricted Working Space, Add</i>	11.83	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
	<i>For Elevated Installation &gt;40', Add</i>	21.69	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-0306	EA 2-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	78.56	23.94
	<i>For Work In Restricted Working Space, Add</i>	14.36	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.57	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	16.75	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
	<i>For Elevated Installation &gt;40', Add</i>	26.33	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-0307	EA 3" x 8" Long, Rigid Galvanized Steel (RGS) Nipple .....	102.67	33.09
	<i>For Work In Restricted Working Space, Add</i>	19.85	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	23.16	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	26.47	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	33.09	
	<i>For Elevated Installation &gt;40', Add</i>	36.40	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0308	EA	3-1/2" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	116.34	37.32
			<i>For Work In Restricted Working Space, Add</i>	22.39	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.66	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.85	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.32	
			<i>For Elevated Installation &gt;40', Add</i>	41.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33	13-0309	EA	4" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	144.27	48.59
			<i>For Work In Restricted Working Space, Add</i>	29.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	48.58	
			<i>For Elevated Installation &gt;40', Add</i>	53.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33	13-0310	EA	5" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	218.68	66.89
			<i>For Work In Restricted Working Space, Add</i>	40.13	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	46.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	53.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	66.89	
			<i>For Elevated Installation &gt;40', Add</i>	73.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	
26 05 33	13-0311	EA	6" x 8" Long, Rigid Galvanized Steel (RGS) Nipple.....	277.06	85.76
			<i>For Work In Restricted Working Space, Add</i>	51.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.91	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	60.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	85.82	
			<i>For Elevated Installation &gt;40', Add</i>	94.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.49	
26 05 33	13-0312	EA	1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	25.04	9.16
			<i>For Work In Restricted Working Space, Add</i>	5.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.83	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.66	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.41	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.32	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.15	
			<i>For Elevated Installation &gt;40', Add</i>	10.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-0313	EA	3/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	28.94	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-0314	EA	1" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	37.40	13.38
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
			<i>For Elevated Installation &gt;40', Add</i>	14.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-0315	EA	1-1/4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	44.88	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-0316	EA	1-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple.....	51.85	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0317	EA	2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	59.15	19.72
		<i>For Work In Restricted Working Space, Add</i>		11.83	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		3.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		7.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		9.86	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		13.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		15.77	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		19.72	
		<i>For Elevated Installation &gt;40', Add</i>		21.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		11.83	
26 05 33 13-0318	EA	2-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	83.50	23.94
		<i>For Work In Restricted Working Space, Add</i>		14.36	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		4.79	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		9.57	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		11.97	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		16.75	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		19.15	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		23.94	
		<i>For Elevated Installation &gt;40', Add</i>		26.33	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		14.36	
26 05 33 13-0319	EA	3" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	109.30	33.09
		<i>For Work In Restricted Working Space, Add</i>		19.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		6.62	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		13.24	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		16.55	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		23.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		26.47	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		33.09	
		<i>For Elevated Installation &gt;40', Add</i>		36.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		19.85	
26 05 33 13-0320	EA	3-1/2" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	125.08	37.32
		<i>For Work In Restricted Working Space, Add</i>		22.39	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		7.46	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		14.93	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		18.66	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		26.12	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		29.85	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		37.32	
		<i>For Elevated Installation &gt;40', Add</i>		41.05	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		22.39	
26 05 33 13-0321	EA	4" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	155.34	48.59
		<i>For Work In Restricted Working Space, Add</i>		29.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		9.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		19.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		24.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		34.01	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		38.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		48.58	
		<i>For Elevated Installation &gt;40', Add</i>		53.44	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		29.15	
26 05 33 13-0322	EA	5" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	233.32	66.89
		<i>For Work In Restricted Working Space, Add</i>		40.13	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		13.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		26.75	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		33.44	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		46.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		53.51	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		66.89	
		<i>For Elevated Installation &gt;40', Add</i>		73.57	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		40.13	
26 05 33 13-0323	EA	6" x 10" Long, Rigid Galvanized Steel (RGS) Nipple	.....	303.39	85.76
		<i>For Work In Restricted Working Space, Add</i>		51.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		17.16	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		34.33	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		42.91	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		60.07	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		68.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		85.82	
		<i>For Elevated Installation &gt;40', Add</i>		94.40	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		51.49	
26 05 33 13-0324	EA	1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	.....	26.06	9.16
		<i>For Work In Restricted Working Space, Add</i>		5.49	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		1.83	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		3.66	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		4.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		6.41	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		7.32	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		9.15	
		<i>For Elevated Installation &gt;40', Add</i>		10.07	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		5.49	
26 05 33 13-0325	EA	3/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	.....	29.91	10.56
		<i>For Work In Restricted Working Space, Add</i>		6.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>		2.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>		4.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>		5.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>		7.39	
		<i>For Elevated Installation &gt;30' To 35', Add</i>		8.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>		10.56	
		<i>For Elevated Installation &gt;40', Add</i>		11.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>		6.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0326	EA	1" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	38.84	13.38
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
			<i>For Elevated Installation &gt;40', Add</i>	14.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-0327	EA	1-1/4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	47.16	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-0328	EA	1-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	53.26	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-0329	EA	2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	61.88	19.72
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
			<i>For Elevated Installation &gt;40', Add</i>	21.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33	13-0330	EA	2-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	89.31	23.94
			<i>For Work In Restricted Working Space, Add</i>	14.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.57	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.75	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
			<i>For Elevated Installation &gt;40', Add</i>	26.33	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33	13-0331	EA	3" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	118.54	33.09
			<i>For Work In Restricted Working Space, Add</i>	19.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.09	
			<i>For Elevated Installation &gt;40', Add</i>	36.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33	13-0332	EA	3-1/2" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	133.59	37.32
			<i>For Work In Restricted Working Space, Add</i>	22.39	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	18.66	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.12	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	29.85	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	37.32	
			<i>For Elevated Installation &gt;40', Add</i>	41.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33	13-0333	EA	4" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	166.43	48.59
			<i>For Work In Restricted Working Space, Add</i>	29.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.72	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.43	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.29	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	38.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	48.58	
			<i>For Elevated Installation &gt;40', Add</i>	53.44	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33	13-0334	EA	5" x 12" Long, Rigid Galvanized Steel (RGS) Nipple	254.36	66.89
			<i>For Work In Restricted Working Space, Add</i>	40.13	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	26.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	46.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	53.51	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	66.89	
			<i>For Elevated Installation &gt;40', Add</i>	73.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0335	EA		6" x 12" Long, Rigid Galvanized Steel (RGS) Nipple .....	318.03	85.76
			<i>For Work In Restricted Working Space, Add</i>	51.49	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	17.16	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	34.33	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.91	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	60.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	68.65	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	85.82	
			<i>For Elevated Installation &gt;40', Add</i>	94.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.49	
<b>26 05 33 13-0336</b>			<b>Rigid Galvanized Steel (RGS) Off-Set Nipples (26 05 33 13-0060)</b>		
26 05 33 13-0337	EA		1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	20.86	7.32
			<i>For Work In Restricted Working Space, Add</i>	5.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.23	
			<i>For Elevated Installation &gt;40', Add</i>	10.15	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.54	
26 05 33 13-0338	EA		3/4" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	24.68	8.45
			<i>For Work In Restricted Working Space, Add</i>	6.30	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.50	
			<i>For Elevated Installation &gt;40', Add</i>	11.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.30	
26 05 33 13-0339	EA		1" Rigid Galvanized Steel (RGS) Off-Set Nipple.....	31.08	10.70
			<i>For Work In Restricted Working Space, Add</i>	8.06	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.72	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.40	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.75	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.44	
			<i>For Elevated Installation &gt;40', Add</i>	14.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.06	
26 05 33 13-0340	EA		1-1/4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	38.99	12.82
			<i>For Work In Restricted Working Space, Add</i>	9.66	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.22	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.44	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.05	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.88	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.10	
			<i>For Elevated Installation &gt;40', Add</i>	17.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.66	
26 05 33 13-0341	EA		1-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	42.69	14.08
			<i>For Work In Restricted Working Space, Add</i>	10.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.05	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.10	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.62	
			<i>For Elevated Installation &gt;40', Add</i>	19.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.57	
26 05 33 13-0342	EA		2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	55.24	17.32
			<i>For Work In Restricted Working Space, Add</i>	13.02	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.85	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	17.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.70	
			<i>For Elevated Installation &gt;40', Add</i>	23.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.02	
26 05 33 13-0343	EA		2-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	90.14	28.16
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0344 EA 3" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	141.97	38.87
For Work In Restricted Working Space, Add	29.15	
For Elevated Installation >10' To 15', Add	9.72	
For Elevated Installation >15' To 20', Add	19.43	
For Elevated Installation >20' To 25', Add	24.29	
For Elevated Installation >25' To 30', Add	34.01	
For Elevated Installation >30' To 35', Add	38.87	
For Elevated Installation >35' To 40', Add	48.59	
For Elevated Installation >40', Add	53.44	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.15	
26 05 33 13-0345 EA 3-1/2" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	174.64	45.91
For Work In Restricted Working Space, Add	34.24	
For Elevated Installation >10' To 15', Add	11.41	
For Elevated Installation >15' To 20', Add	22.83	
For Elevated Installation >20' To 25', Add	28.54	
For Elevated Installation >25' To 30', Add	39.95	
For Elevated Installation >30' To 35', Add	45.66	
For Elevated Installation >35' To 40', Add	57.07	
For Elevated Installation >40', Add	62.78	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	34.24	
26 05 33 13-0346 EA 4" Rigid Galvanized Steel (RGS) Off-Set Nipple, Insulated .....	208.49	52.95
For Work In Restricted Working Space, Add	39.72	
For Elevated Installation >10' To 15', Add	13.24	
For Elevated Installation >15' To 20', Add	26.48	
For Elevated Installation >20' To 25', Add	33.10	
For Elevated Installation >25' To 30', Add	46.34	
For Elevated Installation >30' To 35', Add	52.96	
For Elevated Installation >35' To 40', Add	66.20	
For Elevated Installation >40', Add	72.81	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	39.72	
<b>26 05 33 13-0347 Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (26 05 33 13-0060)</b>		
Note: Erickson fittings.		
26 05 33 13-0348 EA 1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	59.04	22.53
For Work In Restricted Working Space, Add	16.92	
For Elevated Installation >10' To 15', Add	5.64	
For Elevated Installation >15' To 20', Add	11.28	
For Elevated Installation >20' To 25', Add	14.10	
For Elevated Installation >25' To 30', Add	19.74	
For Elevated Installation >30' To 35', Add	22.56	
For Elevated Installation >35' To 40', Add	28.20	
For Elevated Installation >40', Add	31.02	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	16.92	
26 05 33 13-0349 EA 3/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	66.33	25.21
For Work In Restricted Working Space, Add	18.88	
For Elevated Installation >10' To 15', Add	6.29	
For Elevated Installation >15' To 20', Add	12.59	
For Elevated Installation >20' To 25', Add	15.74	
For Elevated Installation >25' To 30', Add	22.03	
For Elevated Installation >30' To 35', Add	25.18	
For Elevated Installation >35' To 40', Add	31.47	
For Elevated Installation >40', Add	34.62	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.88	
26 05 33 13-0350 EA 1" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	76.37	28.02
For Work In Restricted Working Space, Add	21.03	
For Elevated Installation >10' To 15', Add	7.01	
For Elevated Installation >15' To 20', Add	14.02	
For Elevated Installation >20' To 25', Add	17.53	
For Elevated Installation >25' To 30', Add	24.54	
For Elevated Installation >30' To 35', Add	28.04	
For Elevated Installation >35' To 40', Add	35.06	
For Elevated Installation >40', Add	38.56	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	21.03	
26 05 33 13-0351 EA 1-1/4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	90.07	30.70
For Work In Restricted Working Space, Add	23.02	
For Elevated Installation >10' To 15', Add	7.67	
For Elevated Installation >15' To 20', Add	15.35	
For Elevated Installation >20' To 25', Add	19.18	
For Elevated Installation >25' To 30', Add	26.86	
For Elevated Installation >30' To 35', Add	30.69	
For Elevated Installation >35' To 40', Add	38.37	
For Elevated Installation >40', Add	42.20	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.02	
26 05 33 13-0352 EA 1-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	99.93	33.52
For Work In Restricted Working Space, Add	25.18	
For Elevated Installation >10' To 15', Add	8.39	
For Elevated Installation >15' To 20', Add	16.79	
For Elevated Installation >20' To 25', Add	20.99	
For Elevated Installation >25' To 30', Add	29.38	
For Elevated Installation >30' To 35', Add	33.58	
For Elevated Installation >35' To 40', Add	41.97	
For Elevated Installation >40', Add	46.17	
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	25.18	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0353	EA		2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	122.92	36.33
			<i>For Work In Restricted Working Space, Add</i>	27.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.09	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.18	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.73	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.82	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.45	
			<i>For Elevated Installation &gt;40', Add</i>	50.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.27	
26 05 33 13-0354	EA		2-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	186.84	45.07
			<i>For Work In Restricted Working Space, Add</i>	33.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
			<i>For Elevated Installation &gt;40', Add</i>	61.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 05 33 13-0355	EA		3" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	253.41	56.33
			<i>For Work In Restricted Working Space, Add</i>	42.25	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.41	
			<i>For Elevated Installation &gt;40', Add</i>	77.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.25	
26 05 33 13-0356	EA		3-1/2" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson) .....	356.58	67.59
			<i>For Work In Restricted Working Space, Add</i>	50.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	16.91	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	33.81	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	59.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	67.62	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	84.53	
			<i>For Elevated Installation &gt;40', Add</i>	92.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.72	
26 05 33 13-0357	EA		4" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	403.59	73.23
			<i>For Work In Restricted Working Space, Add</i>	54.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	18.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	36.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	45.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	64.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	73.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	91.53	
			<i>For Elevated Installation &gt;40', Add</i>	100.68	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.92	
26 05 33 13-0358	EA		5" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	677.91	90.13
			<i>For Work In Restricted Working Space, Add</i>	67.59	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	22.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	45.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	56.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	78.85	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	90.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	112.65	
			<i>For Elevated Installation &gt;40', Add</i>	123.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.59	
26 05 33 13-0359	EA		6" Rigid Galvanized Steel (RGS) 3-Piece Conduit Coupling (Erickson).....	863.79	104.21
			<i>For Work In Restricted Working Space, Add</i>	78.15	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	26.05	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	52.10	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	65.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	91.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	104.20	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	130.25	
			<i>For Elevated Installation &gt;40', Add</i>	143.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.15	
26 05 33 13-0360			<b>Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT)</b>		
			<b>Connectors</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0361	EA		1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	34.62	11.26
			<i>For Work In Restricted Working Space, Add</i>	8.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
			<i>For Elevated Installation &gt;40', Add</i>	15.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0362	EA		3/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	38.62	12.40
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
26 05 33 13-0363	EA		1" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	44.31	14.08
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
26 05 33 13-0364	EA		1-1/4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	50.03	15.21
			<i>For Work In Restricted Working Space, Add</i>	11.41	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.01	
			<i>For Elevated Installation &gt;40', Add</i>	20.91	
26 05 33 13-0365	EA		1-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	58.99	16.90
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	
26 05 33 13-0366	EA		2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	71.23	18.59
			<i>For Work In Restricted Working Space, Add</i>	13.94	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.24	
			<i>For Elevated Installation &gt;40', Add</i>	25.56	
26 05 33 13-0367	EA		2-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	96.01	22.53
			<i>For Work In Restricted Working Space, Add</i>	16.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
			<i>For Elevated Installation &gt;40', Add</i>	30.98	
26 05 33 13-0368	EA		3" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	118.82	28.16
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
26 05 33 13-0369	EA		3-1/2" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	142.73	33.80
			<i>For Work In Restricted Working Space, Add</i>	25.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
			<i>For Elevated Installation &gt;40', Add</i>	46.47	
26 05 33 13-0370	EA		4" Rigid Galvanized Steel (RGS) To Electrical Metallic Tubing (EMT) Connector .....	160.69	36.61
			<i>For Work In Restricted Working Space, Add</i>	27.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.77	
			<i>For Elevated Installation &gt;40', Add</i>	50.34	

26 05 33 13-0371 Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs (26 05 33 13-0060)

## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0372	EA	1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	30.01	12.68
		<i>For Work In Restricted Working Space, Add</i>	7.61	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
		<i>For Elevated Installation &gt;40', Add</i>	13.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.61	
26 05 33 13-0373	EA	3/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	33.42	14.08
		<i>For Work In Restricted Working Space, Add</i>	8.45	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
		<i>For Elevated Installation &gt;40', Add</i>	15.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 05 33 13-0374	EA	1" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	41.38	17.60
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
		<i>For Elevated Installation &gt;40', Add</i>	19.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0375	EA	1-1/4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	50.63	21.12
		<i>For Work In Restricted Working Space, Add</i>	12.68	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
		<i>For Elevated Installation &gt;40', Add</i>	23.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68	
26 05 33 13-0376	EA	1-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	65.54	28.16
		<i>For Work In Restricted Working Space, Add</i>	16.90	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
		<i>For Elevated Installation &gt;40', Add</i>	30.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.90	
26 05 33 13-0377	EA	2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	75.68	31.68
		<i>For Work In Restricted Working Space, Add</i>	19.01	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.35	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.69	
		<i>For Elevated Installation &gt;40', Add</i>	34.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.01	
26 05 33 13-0378	EA	2-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	91.31	35.21
		<i>For Work In Restricted Working Space, Add</i>	21.12	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
		<i>For Elevated Installation &gt;40', Add</i>	38.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0379	EA	3" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	121.48	44.36
		<i>For Work In Restricted Working Space, Add</i>	26.62	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.87	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.74	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.18	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.05	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	35.49	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	44.36	
		<i>For Elevated Installation &gt;40', Add</i>	48.80	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	
26 05 33 13-0380	EA	3-1/2" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs	144.64	53.51
		<i>For Work In Restricted Working Space, Add</i>	32.11	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.70	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.41	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	26.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	37.46	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	42.81	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	53.52	
		<i>For Elevated Installation &gt;40', Add</i>	58.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0381	EA		4" Rigid Galvanized Steel (RGS) Water Tight Conduit Hubs ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	176.33 38.02 12.67 25.35 31.69 44.36 50.70 63.37 69.71 38.02	63.37
26 05 33 13-0382			<b>Rigid Galvanized Steel (RGS) Expansion Fittings, 4" Conduit Movement</b> <sup>(26 05 33 13-0060)</sup> Note: Type AX		
26 05 33 13-0383	EA		1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	110.42 16.90 5.63 11.27 14.09 19.72 22.54 28.17 30.99	22.53
26 05 33 13-0384	EA		3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	125.11 19.01 6.34 12.67 15.84 22.18 25.35 31.69 34.85	25.35
26 05 33 13-0385	EA		1" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	146.37 21.13 7.04 14.08 17.61 24.65 28.17 35.21 38.73	28.16
26 05 33 13-0386	EA		1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	175.84 23.24 7.75 15.49 19.37 27.11 30.98 38.73 42.60	30.98
26 05 33 13-0387	EA		1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	215.97 25.35 8.45 16.90 21.12 29.57 33.80 42.25 46.47	33.80
26 05 33 13-0388	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	288.74 27.46 9.15 18.30 22.88 32.03 36.61 45.76 50.34	36.61
26 05 33 13-0389	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	431.47 33.80 11.27 22.53 28.17 39.43 45.06 56.33 61.96	45.07
26 05 33 13-0390	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	551.43 42.25 14.08 28.16 35.21 49.29 56.33 70.41 77.45	56.33



**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0391	EA 3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement .....	790.81	67.59
	<i>For Work In Restricted Working Space, Add</i>	50.70	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	16.90	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	33.80	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	42.25	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	59.15	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	67.60	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	84.51	
	<i>For Elevated Installation &gt;40', Add</i>	92.96	
26 05 33 13-0392	EA 4" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	844.11	73.23
	<i>For Work In Restricted Working Space, Add</i>	54.92	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	18.31	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	36.61	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	45.76	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	64.07	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	73.22	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	91.53	
	<i>For Elevated Installation &gt;40', Add</i>	100.68	
26 05 33 13-0393	EA 5" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,271.55	90.13
	<i>For Work In Restricted Working Space, Add</i>	67.60	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	22.53	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	45.06	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	56.33	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	78.86	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	90.13	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	112.66	
	<i>For Elevated Installation &gt;40', Add</i>	123.93	
26 05 33 13-0394	EA 6" Rigid Galvanized Steel (RGS) Expansion Fitting, 4" Conduit Movement.....	1,551.64	99.99
	<i>For Work In Restricted Working Space, Add</i>	75.03	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	25.01	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	50.02	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	62.53	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	87.54	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	100.04	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	125.05	
	<i>For Elevated Installation &gt;40', Add</i>	137.56	
26 05 33 13-0395	Rigid Galvanized Steel (RGS) Expansion Fittings, 8" Conduit Movement <small>(26 05 33 13-0060)</small>		
	Note: Type AX-8		
26 05 33 13-0396	EA 1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	119.46	22.53
	<i>For Work In Restricted Working Space, Add</i>	16.90	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	14.09	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.54	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
	<i>For Elevated Installation &gt;40', Add</i>	30.99	
26 05 33 13-0397	EA 3/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	133.12	25.35
	<i>For Work In Restricted Working Space, Add</i>	19.01	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	25.35	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	31.69	
	<i>For Elevated Installation &gt;40', Add</i>	34.85	
26 05 33 13-0398	EA 1" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement.....	158.94	28.16
	<i>For Work In Restricted Working Space, Add</i>	21.13	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	17.61	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	24.65	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.17	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
	<i>For Elevated Installation &gt;40', Add</i>	38.73	
26 05 33 13-0399	EA 1-1/4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	195.64	30.98
	<i>For Work In Restricted Working Space, Add</i>	23.24	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	19.37	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
	<i>For Elevated Installation &gt;40', Add</i>	42.60	
26 05 33 13-0400	EA 1-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	255.31	33.80
	<i>For Work In Restricted Working Space, Add</i>	25.35	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
	<i>For Elevated Installation &gt;40', Add</i>	46.47	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0401	EA		2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	307.53	36.61
			<i>For Work In Restricted Working Space, Add</i>	27.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.03	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.76	
			<i>For Elevated Installation &gt;40', Add</i>	50.34	
26 05 33 13-0402	EA		2-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	553.32	45.07
			<i>For Work In Restricted Working Space, Add</i>	33.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
			<i>For Elevated Installation &gt;40', Add</i>	61.96	
26 05 33 13-0403	EA		3" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	634.64	56.33
			<i>For Work In Restricted Working Space, Add</i>	42.25	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.41	
			<i>For Elevated Installation &gt;40', Add</i>	77.45	
26 05 33 13-0404	EA		3-1/2" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	955.24	67.59
			<i>For Work In Restricted Working Space, Add</i>	50.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	16.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	33.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	59.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	67.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	84.51	
			<i>For Elevated Installation &gt;40', Add</i>	92.96	
26 05 33 13-0405	EA		4" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	1,034.17	73.23
			<i>For Work In Restricted Working Space, Add</i>	54.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	18.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	36.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	45.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	64.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	73.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	91.53	
			<i>For Elevated Installation &gt;40', Add</i>	100.68	
26 05 33 13-0406	EA		5" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	1,431.75	90.13
			<i>For Work In Restricted Working Space, Add</i>	67.60	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	22.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	45.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	56.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	78.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	90.13	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	112.66	
			<i>For Elevated Installation &gt;40', Add</i>	123.93	
26 05 33 13-0407	EA		6" Rigid Galvanized Steel (RGS) Expansion Fitting, 8" Conduit Movement .....	1,757.75	99.99
			<i>For Work In Restricted Working Space, Add</i>	75.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	62.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	87.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	100.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	125.05	
			<i>For Elevated Installation &gt;40', Add</i>	137.56	
26 05 33 13-0408			<b>Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fittings, 8" Conduit Movement</b> <small>(26 05 33 13-0060)</small>		
			Note: Type EX		
26 05 33 13-0409	EA		1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement .....	132.70	22.53
			<i>For Work In Restricted Working Space, Add</i>	16.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.09	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.54	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
			<i>For Elevated Installation &gt;40', Add</i>	30.99	
26 05 33 13-0410	EA		3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement .....	164.32	25.35
			<i>For Work In Restricted Working Space, Add</i>	19.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.69	
			<i>For Elevated Installation &gt;40', Add</i>	34.85	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0411	EA	1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	201.09	28.16
			<i>For Work In Restricted Working Space, Add</i>	21.13	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.65	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.17	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
26 05 33	13-0412	EA	1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	241.27	30.98
			<i>For Work In Restricted Working Space, Add</i>	23.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
			<i>For Elevated Installation &gt;40', Add</i>	42.60	
26 05 33	13-0413	EA	1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	317.10	33.80
			<i>For Work In Restricted Working Space, Add</i>	25.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
			<i>For Elevated Installation &gt;40', Add</i>	46.47	
26 05 33	13-0414	EA	2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	426.95	36.61
			<i>For Work In Restricted Working Space, Add</i>	27.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.03	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.76	
			<i>For Elevated Installation &gt;40', Add</i>	50.34	
26 05 33	13-0415	EA	2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	651.63	45.07
			<i>For Work In Restricted Working Space, Add</i>	33.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
			<i>For Elevated Installation &gt;40', Add</i>	61.96	
26 05 33	13-0416	EA	3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	874.01	56.33
			<i>For Work In Restricted Working Space, Add</i>	42.25	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.41	
			<i>For Elevated Installation &gt;40', Add</i>	77.45	
26 05 33	13-0417	EA	3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,295.71	67.59
			<i>For Work In Restricted Working Space, Add</i>	50.70	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	16.90	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	33.80	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	42.25	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	59.15	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	67.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	84.51	
			<i>For Elevated Installation &gt;40', Add</i>	92.96	
26 05 33	13-0418	EA	4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	1,344.28	73.23
			<i>For Work In Restricted Working Space, Add</i>	54.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	18.31	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	36.61	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	45.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	64.07	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	73.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	91.53	
			<i>For Elevated Installation &gt;40', Add</i>	100.68	
26 05 33	13-0419	EA	5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,003.40	90.13
			<i>For Work In Restricted Working Space, Add</i>	67.60	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	22.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	45.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	56.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	78.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	90.13	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	112.66	
			<i>For Elevated Installation &gt;40', Add</i>	123.93	
26 05 33	13-0420	EA	6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Expansion Fitting, 8" Conduit Movement.....	2,472.13	99.99
			<i>For Work In Restricted Working Space, Add</i>	75.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	62.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	87.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	100.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	125.05	
			<i>For Elevated Installation &gt;40', Add</i>	137.56	

MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM	UNIT COST	UNIT COST

26 05 33 13-0421	<b>Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fittings</b> <small>(26 05 33 13-0060)</small> Note: Type DX		
26 05 33 13-0422	EA 1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	214.30 16.90 5.63 11.27 14.09 19.72 22.54 28.17 30.99	22.53
26 05 33 13-0423	EA 3/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	253.81 19.01 6.34 12.67 15.84 22.18 25.35 31.69 34.85	25.35
26 05 33 13-0424	EA 1" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	304.36 21.13 7.04 14.08 17.61 24.65 28.17 35.21 38.73	28.16
26 05 33 13-0425	EA 1-1/4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	355.70 23.24 7.75 15.49 19.37 27.11 30.98 38.73 42.60	30.98
26 05 33 13-0426	EA 1-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	392.88 25.35 8.45 16.90 21.12 29.57 33.80 42.25 46.47	33.80
26 05 33 13-0427	EA 2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	480.46 27.46 9.15 18.30 22.88 32.03 36.61 45.76 50.34	36.61
26 05 33 13-0428	EA 2-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	631.76 33.80 11.27 22.53 28.17 39.43 45.06 56.33 61.96	45.07
26 05 33 13-0429	EA 3" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	800.38 42.25 14.08 28.16 35.21 49.29 56.33 70.41 77.45	56.33
26 05 33 13-0430	EA 3-1/2" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	904.77 50.70 16.90 33.80 42.25 59.15 67.60 84.51 92.96	67.59

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0431	EA 4" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	1,088.48	73.23
	<i>For Work In Restricted Working Space, Add</i>	54.92	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	18.31	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	36.61	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	45.76	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	64.07	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	73.22	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	91.53	
	<i>For Elevated Installation &gt;40', Add</i>	100.68	
26 05 33 13-0432	EA 5" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	1,827.01	90.13
	<i>For Work In Restricted Working Space, Add</i>	67.60	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	22.53	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	45.06	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	56.33	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	78.86	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	90.13	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	112.66	
	<i>For Elevated Installation &gt;40', Add</i>	123.93	
26 05 33 13-0433	EA 6" Rigid Galvanized Steel (RGS)/Intermediate Metal Conduit (IMC) Deflection Expansion Fitting .....	2,862.22	99.99
	<i>For Work In Restricted Working Space, Add</i>	75.03	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	25.01	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	50.02	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	62.53	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	87.54	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	100.04	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	125.05	
	<i>For Elevated Installation &gt;40', Add</i>	137.56	
<b>26 05 33 13-0434 Rigid Galvanized Steel (RGS) Conduit Bonding Jumpers (26 05 33 13-0060)</b>			
26 05 33 13-0435	EA 1/2" To 3/4" Conduit, 14" Bonding Jumper .....	60.74	11.26
	<i>For Work In Restricted Working Space, Add</i>	8.45	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	11.27	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	14.09	
	<i>For Elevated Installation &gt;40', Add</i>	15.49	
26 05 33 13-0436	EA 1" To 1-1/4" Conduit, 14" Bonding Jumper .....	71.07	14.08
	<i>For Work In Restricted Working Space, Add</i>	10.56	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
	<i>For Elevated Installation &gt;40', Add</i>	19.37	
26 05 33 13-0437	EA 1-1/2" To 2" Conduit, 14" Bonding Jumper .....	87.16	16.90
	<i>For Work In Restricted Working Space, Add</i>	12.68	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
	<i>For Elevated Installation &gt;40', Add</i>	23.24	
26 05 33 13-0438	EA 2-1/2" To 3" Conduit, 14" Bonding Jumper .....	121.22	22.53
	<i>For Work In Restricted Working Space, Add</i>	16.90	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
	<i>For Elevated Installation &gt;40', Add</i>	30.98	
26 05 33 13-0439	EA 3-1/2" To 4" Conduit, 14" Bonding Jumper .....	183.32	33.80
	<i>For Work In Restricted Working Space, Add</i>	25.35	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	21.13	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	29.58	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
	<i>For Elevated Installation &gt;40', Add</i>	46.48	
26 05 33 13-0440	EA 5" To 6" Conduit, 14" Bonding Jumper .....	300.42	45.07
	<i>For Work In Restricted Working Space, Add</i>	33.80	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
	<i>For Elevated Installation &gt;40', Add</i>	61.96	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0441	EA		1/2" To 3/4" Conduit, 24" Bonding Jumper .....	66.31	11.26
			<i>For Work In Restricted Working Space, Add</i>	8.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.09	
			<i>For Elevated Installation &gt;40', Add</i>	15.49	
26 05 33 13-0442	EA		1" To 1-1/4" Conduit, 24" Bonding Jumper .....	78.12	14.08
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
26 05 33 13-0443	EA		1-1/2" To 2" Conduit, 24" Bonding Jumper .....	93.61	16.90
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	
26 05 33 13-0444	EA		2-1/2" To 3" Conduit, 24" Bonding Jumper .....	129.79	22.53
			<i>For Work In Restricted Working Space, Add</i>	16.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
			<i>For Elevated Installation &gt;40', Add</i>	30.98	
26 05 33 13-0445	EA		3-1/2" To 4" Conduit, 24" Bonding Jumper .....	194.69	33.80
			<i>For Work In Restricted Working Space, Add</i>	25.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.13	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.58	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
			<i>For Elevated Installation &gt;40', Add</i>	46.48	
26 05 33 13-0446	EA		5" To 6" Conduit, 24" Bonding Jumper .....	337.09	45.07
			<i>For Work In Restricted Working Space, Add</i>	33.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
			<i>For Elevated Installation &gt;40', Add</i>	61.96	
<b>26 05 33 13-0447</b>			<b>Rigid Galvanized Steel (RGS) Sealing Fittings, Vertical/Horizontal</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0448	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	115.23	35.21
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0449	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	137.13	42.25
			<i>For Work In Restricted Working Space, Add</i>	25.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
			<i>For Elevated Installation &gt;40', Add</i>	46.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.35	
26 05 33 13-0450	EA		1" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	166.24	49.29
			<i>For Work In Restricted Working Space, Add</i>	29.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.29	
			<i>For Elevated Installation &gt;40', Add</i>	54.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.57	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0451	EA	1-1/4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	194.82	56.33
		<i>For Work In Restricted Working Space, Add</i>	33.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
		<i>For Elevated Installation &gt;40', Add</i>	61.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 05 33 13-0452	EA	1-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	250.43	63.37
		<i>For Work In Restricted Working Space, Add</i>	38.02	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.67	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	25.35	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	31.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	44.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	50.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	63.37	
		<i>For Elevated Installation &gt;40', Add</i>	69.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.02	
26 05 33 13-0453	EA	2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	301.08	70.41
		<i>For Work In Restricted Working Space, Add</i>	42.25	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	14.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	28.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	35.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	49.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	56.33	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	70.41	
		<i>For Elevated Installation &gt;40', Add</i>	77.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.25	
26 05 33 13-0454	EA	2-1/2" Rigid Galvanized Steel (RGS) Conduit Sealing Fitting, Vertical/Horizontal .....	417.99	84.49
		<i>For Work In Restricted Working Space, Add</i>	50.70	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	16.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	33.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	42.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	59.15	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	67.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	84.50	
		<i>For Elevated Installation &gt;40', Add</i>	92.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.70	
26 05 33 13-0455	EA	3" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	501.31	98.58
		<i>For Work In Restricted Working Space, Add</i>	59.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	19.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	39.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	49.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	69.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	78.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	98.58	
		<i>For Elevated Installation &gt;40', Add</i>	108.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.15	
26 05 33 13-0456	EA	3-1/2" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal .....	1,102.53	112.66
		<i>For Work In Restricted Working Space, Add</i>	67.60	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	22.53	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	45.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	56.33	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	78.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	90.13	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	112.66	
		<i>For Elevated Installation &gt;40', Add</i>	123.93	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.60	
26 05 33 13-0457	EA	4" Rigid Galvanized Steel (RGS) Sealing Fitting, Vertical/Horizontal.....	1,268.72	126.74
		<i>For Work In Restricted Working Space, Add</i>	76.04	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	25.35	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	50.70	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	63.37	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	88.72	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	101.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	126.74	
		<i>For Elevated Installation &gt;40', Add</i>	139.41	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.04	
<b>26 05 33 13-0458</b>		<b>Rigid Galvanized Steel (RGS) Threaded Couplings</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0459	EA	1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	18.29	8.45
		<i>For Work In Restricted Working Space, Add</i>	5.07	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
		<i>For Elevated Installation &gt;40', Add</i>	9.30	
26 05 33 13-0460	EA	3/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	25.67	11.97
		<i>For Work In Restricted Working Space, Add</i>	7.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.99	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.97	
		<i>For Elevated Installation &gt;40', Add</i>	13.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0461	EA		1" Rigid Galvanized Steel (RGS) Threaded Coupling.....	33.63	15.49
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
			<i>For Elevated Installation &gt;40', Add</i>	17.04	
26 05 33 13-0462	EA		1-1/4" Rigid Galvanized Steel (RGS) Threaded Coupling.....	38.55	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
26 05 33 13-0463	EA		1-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	46.43	21.12
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	
26 05 33 13-0464	EA		2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	54.11	23.94
			<i>For Work In Restricted Working Space, Add</i>	14.36	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.15	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.94	
			<i>For Elevated Installation &gt;40', Add</i>	26.33	
26 05 33 13-0465	EA		2-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	67.50	26.76
			<i>For Work In Restricted Working Space, Add</i>	16.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.76	
			<i>For Elevated Installation &gt;40', Add</i>	29.43	
26 05 33 13-0466	EA		3" Rigid Galvanized Steel (RGS) Threaded Coupling.....	78.74	30.28
			<i>For Work In Restricted Working Space, Add</i>	18.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.19	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.28	
			<i>For Elevated Installation &gt;40', Add</i>	33.30	
26 05 33 13-0467	EA		3-1/2" Rigid Galvanized Steel (RGS) Threaded Coupling.....	90.77	33.09
			<i>For Work In Restricted Working Space, Add</i>	19.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.10	
			<i>For Elevated Installation &gt;40', Add</i>	36.40	
26 05 33 13-0468	EA		4" Threaded Rigid Galvanized Steel (RGS) Coupling.....	96.01	35.21
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
26 05 33 13-0469			<b>Rigid Galvanized Steel (RGS) Sealing Locknut</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0470	EA		1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	4.04	1.40
26 05 33 13-0471	EA		3/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	5.63	2.12
26 05 33 13-0472	EA		1" Rigid Galvanized Steel (RGS) Sealing Locknut.....	9.37	3.52
26 05 33 13-0473	EA		1-1/4" Rigid Galvanized Steel (RGS) Sealing Locknut.....	13.50	4.92
26 05 33 13-0474	EA		1-1/2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	16.06	5.64
26 05 33 13-0475	EA		2" Rigid Galvanized Steel (RGS) Sealing Locknut.....	18.80	6.34
26 05 33 13-0476			<b>Rigid Galvanized Steel (RGS) Fire Stop Fittings</b> <small>(26 05 33 13-0060)</small>		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0477	EA	1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	221.31	17.09
		<i>For Work In Restricted Working Space, Add</i>	12.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.55	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.68	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.09	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.37	
		<i>For Elevated Installation &gt;40', Add</i>	23.50	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.82	
26 05 33 13-0478	EA	3/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	225.43	18.73
		<i>For Work In Restricted Working Space, Add</i>	14.06	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	11.71	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	16.40	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	18.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	23.43	
		<i>For Elevated Installation &gt;40', Add</i>	25.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.06	
26 05 33 13-0479	EA	1" Rigid Galvanized Steel (RGS) Fire Stop Fitting	269.85	20.56
		<i>For Work In Restricted Working Space, Add</i>	15.39	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.26	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.83	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.65	
		<i>For Elevated Installation &gt;40', Add</i>	28.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.39	
26 05 33 13-0480	EA	1-1/4" Rigid Galvanized Steel (RGS) Fire Stop Fitting	296.26	22.53
		<i>For Work In Restricted Working Space, Add</i>	16.91	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.64	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.28	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.10	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	19.73	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	22.55	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	28.19	
		<i>For Elevated Installation &gt;40', Add</i>	31.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.91	
26 05 33 13-0481	EA	1-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	337.90	25.35
		<i>For Work In Restricted Working Space, Add</i>	19.01	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.35	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.69	
		<i>For Elevated Installation &gt;40', Add</i>	34.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.01	
26 05 33 13-0482	EA	2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	496.90	28.16
		<i>For Work In Restricted Working Space, Add</i>	21.14	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.05	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.09	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.61	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.18	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.23	
		<i>For Elevated Installation &gt;40', Add</i>	38.75	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.14	
26 05 33 13-0483	EA	2-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	573.68	37.60
		<i>For Work In Restricted Working Space, Add</i>	28.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	23.48	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.88	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	37.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	46.97	
		<i>For Elevated Installation &gt;40', Add</i>	51.66	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.18	
26 05 33 13-0484	EA	3" Rigid Galvanized Steel (RGS) Fire Stop Fitting	636.28	41.26
		<i>For Work In Restricted Working Space, Add</i>	30.97	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.32	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	20.64	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	25.81	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	36.13	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	41.29	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	51.61	
		<i>For Elevated Installation &gt;40', Add</i>	56.77	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.97	
26 05 33 13-0485	EA	3-1/2" Rigid Galvanized Steel (RGS) Fire Stop Fitting	739.03	45.07
		<i>For Work In Restricted Working Space, Add</i>	33.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	39.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	45.07	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	56.34	
		<i>For Elevated Installation &gt;40', Add</i>	61.97	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0486	EA		4" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	833.04	50.69
			<i>For Work In Restricted Working Space, Add</i>	38.02	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	25.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	31.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	44.36	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	50.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	63.37	
			<i>For Elevated Installation &gt;40', Add</i>	69.71	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.02	
26 05 33 13-0487	EA		5" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,113.66	56.33
			<i>For Work In Restricted Working Space, Add</i>	42.25	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	28.16	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	35.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	49.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	56.33	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	70.41	
			<i>For Elevated Installation &gt;40', Add</i>	77.45	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.25	
26 05 33 13-0488	EA		6" Rigid Galvanized Steel (RGS) Fire Stop Fitting.....	1,382.36	62.53
			<i>For Work In Restricted Working Space, Add</i>	46.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	15.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	31.26	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	39.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	54.71	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	62.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	78.16	
			<i>For Elevated Installation &gt;40', Add</i>	85.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.90	
<b>26 05 33 13-0489 Rigid Galvanized Steel (RGS) Reducing Bushings (26 05 33 13-0060)</b>					
26 05 33 13-0490	EA		3/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	22.78	10.91
			<i>For Work In Restricted Working Space, Add</i>	6.55	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.18	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.46	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.73	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.92	
			<i>For Elevated Installation &gt;40', Add</i>	12.01	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.55	
26 05 33 13-0491	EA		1" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	24.98	11.61
			<i>For Work In Restricted Working Space, Add</i>	6.97	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.32	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.65	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.13	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.30	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.62	
			<i>For Elevated Installation &gt;40', Add</i>	12.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.97	
26 05 33 13-0492	EA		1" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	25.68	11.97
			<i>For Work In Restricted Working Space, Add</i>	7.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.97	
			<i>For Elevated Installation &gt;40', Add</i>	13.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.18	
26 05 33 13-0493	EA		1-1/4" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	29.15	12.33
			<i>For Work In Restricted Working Space, Add</i>	7.39	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.93	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.16	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.86	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.32	
			<i>For Elevated Installation &gt;40', Add</i>	13.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.39	
26 05 33 13-0494	EA		1-1/4" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing.....	29.86	12.68
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
			<i>For Elevated Installation &gt;40', Add</i>	13.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.61	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0495	EA	1-1/4" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	31.27	13.38
		<i>For Work In Restricted Working Space, Add</i>	8.03	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.37	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
		<i>For Elevated Installation &gt;40', Add</i>	14.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-0496	EA	1-1/2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	33.62	14.08
		<i>For Work In Restricted Working Space, Add</i>	8.45	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
		<i>For Elevated Installation &gt;40', Add</i>	15.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 05 33 13-0497	EA	1-1/2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	34.33	14.43
		<i>For Work In Restricted Working Space, Add</i>	8.66	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.89	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.77	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.22	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.10	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.55	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.44	
		<i>For Elevated Installation &gt;40', Add</i>	15.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.66	
26 05 33 13-0498	EA	1-1/2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	35.74	15.14
		<i>For Work In Restricted Working Space, Add</i>	9.08	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.03	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.57	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.11	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.14	
		<i>For Elevated Installation &gt;40', Add</i>	16.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.08	
26 05 33 13-0499	EA	1-1/2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	37.14	15.85
		<i>For Work In Restricted Working Space, Add</i>	9.50	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.17	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.34	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.92	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.09	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.67	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.84	
		<i>For Elevated Installation &gt;40', Add</i>	17.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.50	
26 05 33 13-0500	EA	2" x 1/2" Rigid Galvanized Steel (RGS) Reducing Bushing .....	43.67	15.85
		<i>For Work In Restricted Working Space, Add</i>	9.50	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.17	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.34	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.92	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.09	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.67	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.84	
		<i>For Elevated Installation &gt;40', Add</i>	17.42	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.50	
26 05 33 13-0501	EA	2" x 3/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	44.38	16.20
		<i>For Work In Restricted Working Space, Add</i>	9.72	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.24	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.48	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.10	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.34	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.96	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.20	
		<i>For Elevated Installation &gt;40', Add</i>	17.81	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-0502	EA	2" x 1" Rigid Galvanized Steel (RGS) Reducing Bushing .....	45.79	16.90
		<i>For Work In Restricted Working Space, Add</i>	10.14	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.83	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.90	
		<i>For Elevated Installation &gt;40', Add</i>	18.59	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 05 33 13-0503	EA	2" x 1-1/4" Rigid Galvanized Steel (RGS) Reducing Bushing .....	47.20	17.60
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
		<i>For Elevated Installation &gt;40', Add</i>	19.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0504	EA		2" x 1-1/2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	50.72	19.37
			<i>For Work In Restricted Working Space, Add</i>	11.62	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.37	
			<i>For Elevated Installation &gt;40', Add</i>	21.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.62	
26 05 33 13-0505	EA		2-1/2" x 2" Rigid Galvanized Steel (RGS) Reducing Bushing.....	63.54	22.89
			<i>For Work In Restricted Working Space, Add</i>	13.73	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.15	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.44	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.31	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.89	
			<i>For Elevated Installation &gt;40', Add</i>	25.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.73	
<b>26 05 33 13-0506</b>			<b>Rigid Galvanized Steel (RGS) Locknuts</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0507	EA		1/2" Rigid Galvanized Steel (RGS) Locknuts.....	2.91	1.40
			<i>For Work In Restricted Working Space, Add</i>	0.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	0.71	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	0.99	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.13	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	1.41	
			<i>For Elevated Installation &gt;40', Add</i>	1.55	
26 05 33 13-0508	EA		3/4" Rigid Galvanized Steel (RGS) Locknuts.....	4.34	2.12
			<i>For Work In Restricted Working Space, Add</i>	1.27	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.42	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	0.84	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.06	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	1.48	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	1.69	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	2.11	
			<i>For Elevated Installation &gt;40', Add</i>	2.32	
26 05 33 13-0509	EA		1" Rigid Galvanized Steel (RGS) Locknuts.....	7.24	3.52
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
			<i>For Elevated Installation &gt;40', Add</i>	3.87	
26 05 33 13-0510	EA		1-1/4" Rigid Galvanized Steel (RGS) Locknuts.....	10.19	4.92
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
			<i>For Elevated Installation &gt;40', Add</i>	5.42	
26 05 33 13-0511	EA		1-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	11.69	5.64
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.63	
			<i>For Elevated Installation &gt;40', Add</i>	6.19	
26 05 33 13-0512	EA		2" Rigid Galvanized Steel (RGS) Locknuts.....	13.21	6.34
			<i>For Work In Restricted Working Space, Add</i>	3.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.34	
			<i>For Elevated Installation &gt;40', Add</i>	6.97	
26 05 33 13-0513	EA		2-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	18.32	8.45
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
			<i>For Elevated Installation &gt;40', Add</i>	9.30	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0514	EA	3" Rigid Galvanized Steel (RGS) Locknuts.....	22.69	10.56
		<i>For Work In Restricted Working Space, Add</i>	6.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
		<i>For Elevated Installation &gt;40', Add</i>	11.62	
26 05 33 13-0515	EA	3-1/2" Rigid Galvanized Steel (RGS) Locknuts.....	26.55	11.97
		<i>For Work In Restricted Working Space, Add</i>	7.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.99	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.97	
		<i>For Elevated Installation &gt;40', Add</i>	13.17	
26 05 33 13-0516	EA	4" Rigid Galvanized Steel (RGS) Locknuts.....	29.76	13.38
		<i>For Work In Restricted Working Space, Add</i>	8.03	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.37	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
		<i>For Elevated Installation &gt;40', Add</i>	14.72	
<b>26 05 33 13-0517</b>		<b>Rigid Galvanized Steel (RGS) Grounding Locknuts</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0518	EA	1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	4.12	1.40
		<i>For Work In Restricted Working Space, Add</i>	0.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.28	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.56	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	0.71	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	0.99	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	1.13	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	1.41	
		<i>For Elevated Installation &gt;40', Add</i>	1.55	
26 05 33 13-0519	EA	3/4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	5.78	2.12
		<i>For Work In Restricted Working Space, Add</i>	1.27	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.42	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	0.84	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.06	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	1.48	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	1.69	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	2.11	
		<i>For Elevated Installation &gt;40', Add</i>	2.32	
26 05 33 13-0520	EA	1" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	9.27	3.52
		<i>For Work In Restricted Working Space, Add</i>	2.11	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
		<i>For Elevated Installation &gt;40', Add</i>	3.87	
26 05 33 13-0521	EA	1-1/4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	12.97	4.92
		<i>For Work In Restricted Working Space, Add</i>	2.96	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
		<i>For Elevated Installation &gt;40', Add</i>	5.42	
26 05 33 13-0522	EA	1-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	14.66	5.64
		<i>For Work In Restricted Working Space, Add</i>	3.38	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.25	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.82	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.94	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.63	
		<i>For Elevated Installation &gt;40', Add</i>	6.19	
26 05 33 13-0523	EA	2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	17.11	6.34
		<i>For Work In Restricted Working Space, Add</i>	3.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.54	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.44	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.07	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.34	
		<i>For Elevated Installation &gt;40', Add</i>	6.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0524	EA		2-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	25.14	8.45
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
			<i>For Elevated Installation &gt;40', Add</i>	9.30	
26 05 33 13-0525	EA		3" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	31.58	10.56
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.62	
26 05 33 13-0526	EA		3-1/2" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	40.93	11.97
			<i>For Work In Restricted Working Space, Add</i>	7.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.97	
			<i>For Elevated Installation &gt;40', Add</i>	13.17	
26 05 33 13-0527	EA		4" Rigid Galvanized Steel (RGS) Grounding Locknuts .....	48.67	13.38
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.37	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
			<i>For Elevated Installation &gt;40', Add</i>	14.72	
26 05 33 13-0528			<b>Rigid Galvanized Steel (RGS) Insulated Ground Bushing</b> <small>(26 05 33 13-0060)</small> .....	11.70	4.22
26 05 33 13-0529	EA		1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	11.70	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
			<i>For Elevated Installation &gt;40', Add</i>	4.65	
26 05 33 13-0530	EA		3/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	14.79	5.64
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	4.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	5.63	
			<i>For Elevated Installation &gt;40', Add</i>	6.19	
26 05 33 13-0531	EA		1" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	18.83	7.04
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.04	
			<i>For Elevated Installation &gt;40', Add</i>	7.74	
26 05 33 13-0532	EA		1-1/4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	27.83	11.26
			<i>For Work In Restricted Working Space, Add</i>	6.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.27	
			<i>For Elevated Installation &gt;40', Add</i>	12.39	
26 05 33 13-0533	EA		1-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing .....	31.35	12.68
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
			<i>For Elevated Installation &gt;40', Add</i>	13.94	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0534	EA		2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	35.52	14.08
			<i>For Work In Restricted Working Space, Add</i>	8.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
			<i>For Elevated Installation &gt;40', Add</i>	15.49	
26 05 33 13-0535	EA		2-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	48.02	16.90
			<i>For Work In Restricted Working Space, Add</i>	10.14	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.90	
			<i>For Elevated Installation &gt;40', Add</i>	18.59	
26 05 33 13-0536	EA		3" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	58.54	21.12
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	
26 05 33 13-0537	EA		3-1/2" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	73.16	28.16
			<i>For Work In Restricted Working Space, Add</i>	16.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
			<i>For Elevated Installation &gt;40', Add</i>	30.98	
26 05 33 13-0538	EA		4" Rigid Galvanized Steel (RGS) Insulated Ground Bushing.....	89.44	35.21
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
<b>26 05 33 13-0539</b>			<b>Rigid Galvanized Steel (RGS) Threadless Compression Connectors</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0540	EA		1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	28.87	12.68
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
			<i>For Elevated Installation &gt;40', Add</i>	13.94	
26 05 33 13-0541	EA		3/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	33.82	14.08
			<i>For Work In Restricted Working Space, Add</i>	8.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
			<i>For Elevated Installation &gt;40', Add</i>	15.49	
26 05 33 13-0542	EA		1" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	44.05	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
26 05 33 13-0543	EA		1-1/4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	58.89	21.12
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0544 EA 1-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	79.38	28.16
For Work In Restricted Working Space, Add	16.90	
For Elevated Installation >10' To 15', Add	5.63	
For Elevated Installation >15' To 20', Add	11.27	
For Elevated Installation >20' To 25', Add	14.08	
For Elevated Installation >25' To 30', Add	19.72	
For Elevated Installation >30' To 35', Add	22.53	
For Elevated Installation >35' To 40', Add	28.17	
For Elevated Installation >40', Add	30.98	
26 05 33 13-0545 EA 2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	114.63	35.21
For Work In Restricted Working Space, Add	21.12	
For Elevated Installation >10' To 15', Add	7.04	
For Elevated Installation >15' To 20', Add	14.08	
For Elevated Installation >20' To 25', Add	17.60	
For Elevated Installation >25' To 30', Add	24.64	
For Elevated Installation >30' To 35', Add	28.16	
For Elevated Installation >35' To 40', Add	35.21	
For Elevated Installation >40', Add	38.73	
26 05 33 13-0546 EA 2-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	186.49	42.25
For Work In Restricted Working Space, Add	25.35	
For Elevated Installation >10' To 15', Add	8.45	
For Elevated Installation >15' To 20', Add	16.90	
For Elevated Installation >20' To 25', Add	21.12	
For Elevated Installation >25' To 30', Add	29.57	
For Elevated Installation >30' To 35', Add	33.80	
For Elevated Installation >35' To 40', Add	42.25	
For Elevated Installation >40', Add	46.47	
26 05 33 13-0547 EA 3" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	233.81	49.29
For Work In Restricted Working Space, Add	29.57	
For Elevated Installation >10' To 15', Add	9.86	
For Elevated Installation >15' To 20', Add	19.72	
For Elevated Installation >20' To 25', Add	24.65	
For Elevated Installation >25' To 30', Add	34.50	
For Elevated Installation >30' To 35', Add	39.43	
For Elevated Installation >35' To 40', Add	49.29	
For Elevated Installation >40', Add	54.22	
26 05 33 13-0548 EA 3-1/2" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	296.42	59.85
For Work In Restricted Working Space, Add	35.91	
For Elevated Installation >10' To 15', Add	11.97	
For Elevated Installation >15' To 20', Add	23.94	
For Elevated Installation >20' To 25', Add	29.93	
For Elevated Installation >25' To 30', Add	41.90	
For Elevated Installation >30' To 35', Add	47.88	
For Elevated Installation >35' To 40', Add	59.85	
For Elevated Installation >40', Add	65.84	
26 05 33 13-0549 EA 4" Rigid Galvanized Steel (RGS) Threadless Compression Connectors.....	357.17	70.41
For Work In Restricted Working Space, Add	42.25	
For Elevated Installation >10' To 15', Add	14.08	
For Elevated Installation >15' To 20', Add	28.16	
For Elevated Installation >20' To 25', Add	35.21	
For Elevated Installation >25' To 30', Add	49.29	
For Elevated Installation >30' To 35', Add	56.33	
For Elevated Installation >35' To 40', Add	70.41	
For Elevated Installation >40', Add	77.45	
<b>26 05 33 13-0550 Rigid Galvanized Steel (RGS) Compression Coupling (26 05 33 13-0060)</b>		
26 05 33 13-0551 EA 1/2" Rigid Galvanized Steel (RGS) Compression Coupling.....	40.88	17.60
For Work In Restricted Working Space, Add	10.56	
For Elevated Installation >10' To 15', Add	3.52	
For Elevated Installation >15' To 20', Add	7.04	
For Elevated Installation >20' To 25', Add	8.80	
For Elevated Installation >25' To 30', Add	12.32	
For Elevated Installation >30' To 35', Add	14.08	
For Elevated Installation >35' To 40', Add	17.61	
For Elevated Installation >40', Add	19.37	
26 05 33 13-0552 EA 3/4" Rigid Galvanized Steel (RGS) Compression Coupling.....	51.35	21.12
For Work In Restricted Working Space, Add	12.68	
For Elevated Installation >10' To 15', Add	4.23	
For Elevated Installation >15' To 20', Add	8.45	
For Elevated Installation >20' To 25', Add	10.56	
For Elevated Installation >25' To 30', Add	14.79	
For Elevated Installation >30' To 35', Add	16.90	
For Elevated Installation >35' To 40', Add	21.13	
For Elevated Installation >40', Add	23.24	
26 05 33 13-0553 EA 1" Rigid Galvanized Steel (RGS) Compression Coupling.....	72.20	28.16
For Work In Restricted Working Space, Add	16.90	
For Elevated Installation >10' To 15', Add	5.63	
For Elevated Installation >15' To 20', Add	11.27	
For Elevated Installation >20' To 25', Add	14.08	
For Elevated Installation >25' To 30', Add	19.72	
For Elevated Installation >30' To 35', Add	22.53	
For Elevated Installation >35' To 40', Add	28.17	
For Elevated Installation >40', Add	30.98	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0554	EA	1-1/4" Rigid Galvanized Steel (RGS) Compression Coupling	93.90	35.21
		<i>For Work In Restricted Working Space, Add</i>	21.12	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
		<i>For Elevated Installation &gt;40', Add</i>	38.73	
26 05 33 13-0555	EA	1-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	115.07	42.25
		<i>For Work In Restricted Working Space, Add</i>	25.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
		<i>For Elevated Installation &gt;40', Add</i>	46.47	
26 05 33 13-0556	EA	2" Rigid Galvanized Steel (RGS) Compression Coupling	165.45	49.29
		<i>For Work In Restricted Working Space, Add</i>	29.57	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.86	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.65	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.50	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	39.43	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	49.29	
		<i>For Elevated Installation &gt;40', Add</i>	54.22	
26 05 33 13-0557	EA	2-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	253.52	56.33
		<i>For Work In Restricted Working Space, Add</i>	33.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
		<i>For Elevated Installation &gt;40', Add</i>	61.96	
26 05 33 13-0558	EA	3" Rigid Galvanized Steel (RGS) Compression Coupling	283.79	48.59
		<i>For Work In Restricted Working Space, Add</i>	29.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.01	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	38.87	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	48.59	
		<i>For Elevated Installation &gt;40', Add</i>	53.44	
26 05 33 13-0559	EA	3-1/2" Rigid Galvanized Steel (RGS) Compression Coupling	393.53	73.93
		<i>For Work In Restricted Working Space, Add</i>	44.36	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	14.79	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	29.57	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	36.97	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	51.75	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	59.14	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	73.93	
		<i>For Elevated Installation &gt;40', Add</i>	81.32	
26 05 33 13-0560	EA	4" Rigid Galvanized Steel (RGS) Compression Coupling	483.34	84.49
		<i>For Work In Restricted Working Space, Add</i>	50.70	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	16.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	33.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	42.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	59.15	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	67.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	84.50	
		<i>For Elevated Installation &gt;40', Add</i>	92.94	
26 05 33 13-0561		<b>Zinc Plated Steel Snap-in Knock Out Seal</b> <small>(26 05 33 13-0060)</small>		
26 05 33 13-0562	EA	1/2" Zinc Plated Steel Snap-in Knock Out Seal	7.32	3.52
		<i>For Work In Restricted Working Space, Add</i>	2.11	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
		<i>For Elevated Installation &gt;40', Add</i>	3.87	
26 05 33 13-0563	EA	3/4" Zinc Plated Steel Snap-in Knock Out Seal	8.81	4.22
		<i>For Work In Restricted Working Space, Add</i>	2.54	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
		<i>For Elevated Installation &gt;40', Add</i>	4.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0564	EA	1" Zinc Plated Steel Snap-in Knock Out Seal .....	10.43	4.92
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
			<i>For Elevated Installation &gt;40', Add</i>	5.42	
26 05 33	13-0565	EA	1-1/4" Zinc Plated Steel Snap-in Knock Out Seal .....	13.43	6.34
			<i>For Work In Restricted Working Space, Add</i>	3.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.34	
			<i>For Elevated Installation &gt;40', Add</i>	6.97	
26 05 33	13-0566	EA	1-1/2" Zinc Plated Steel Snap-in Knock Out Seal .....	15.13	7.04
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.04	
			<i>For Elevated Installation &gt;40', Add</i>	7.74	
26 05 33	13-0567	EA	2" Zinc Plated Steel Snap-in Knock Out Seal .....	18.37	8.45
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
			<i>For Elevated Installation &gt;40', Add</i>	9.30	
26 05 33	13-0568		Zinc Plated Steel 3-Piece Knock Out Seal (26 05 33 13-0060) .....	8.69	3.52
26 05 33	13-0569	EA	1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	8.69	3.52
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
			<i>For Elevated Installation &gt;40', Add</i>	3.87	
26 05 33	13-0570	EA	3/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	10.37	4.22
			<i>For Work In Restricted Working Space, Add</i>	2.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
			<i>For Elevated Installation &gt;40', Add</i>	4.65	
26 05 33	13-0571	EA	1" Zinc Plated Steel 3-Piece Knock Out Seal .....	12.51	4.92
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
			<i>For Elevated Installation &gt;40', Add</i>	5.42	
26 05 33	13-0572	EA	1-1/4" Zinc Plated Steel 3-Piece Knock Out Seal .....	16.09	6.34
			<i>For Work In Restricted Working Space, Add</i>	3.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.54	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.44	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.07	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	6.34	
			<i>For Elevated Installation &gt;40', Add</i>	6.97	
26 05 33	13-0573	EA	1-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	19.52	7.04
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.04	
			<i>For Elevated Installation &gt;40', Add</i>	7.74	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0574	EA	2" Zinc Plated Steel 3-Piece Knock Out Seal .....	23.60	8.45
		<i>For Work In Restricted Working Space, Add</i>	5.07	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
		<i>For Elevated Installation &gt;40', Add</i>	9.30	
26 05 33 13-0575	EA	2-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	29.00	10.56
		<i>For Work In Restricted Working Space, Add</i>	6.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
		<i>For Elevated Installation &gt;40', Add</i>	11.62	
26 05 33 13-0576	EA	3" Zinc Plated Steel 3-Piece Knock Out Seal .....	33.78	11.97
		<i>For Work In Restricted Working Space, Add</i>	7.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.99	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.97	
		<i>For Elevated Installation &gt;40', Add</i>	13.17	
26 05 33 13-0577	EA	3-1/2" Zinc Plated Steel 3-Piece Knock Out Seal .....	40.62	13.38
		<i>For Work In Restricted Working Space, Add</i>	8.03	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.37	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
		<i>For Elevated Installation &gt;40', Add</i>	14.72	
26 05 33 13-0578	EA	4" Zinc Plated Steel 3-Piece Knock Out Seal .....	47.35	14.78
		<i>For Work In Restricted Working Space, Add</i>	8.87	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.96	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.91	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.39	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.35	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.83	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.79	
		<i>For Elevated Installation &gt;40', Add</i>	16.26	

**26 05 33 13-0579 Rigid Galvanized Steel (RGS) Chase Nipples (26 05 33 13-0060)**

26 05 33 13-0580	EA	1/2" Rigid Galvanized Steel (RGS) Chase Nipple .....	17.32	8.45
		<i>For Work In Restricted Working Space, Add</i>	5.07	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
		<i>For Elevated Installation &gt;40', Add</i>	9.30	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	
26 05 33 13-0581	EA	3/4" Rigid Galvanized Steel (RGS) Chase Nipple .....	20.43	9.86
		<i>For Work In Restricted Working Space, Add</i>	5.92	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.93	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.89	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.86	
		<i>For Elevated Installation &gt;40', Add</i>	10.85	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.92	
26 05 33 13-0582	EA	1" Rigid Galvanized Steel (RGS) Chase Nipple .....	25.48	11.97
		<i>For Work In Restricted Working Space, Add</i>	7.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.99	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	9.58	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	11.97	
		<i>For Elevated Installation &gt;40', Add</i>	13.17	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.18	
26 05 33 13-0583	EA	1-1/4" Rigid Galvanized Steel (RGS) Chase Nipple .....	30.83	14.08
		<i>For Work In Restricted Working Space, Add</i>	8.45	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
		<i>For Elevated Installation &gt;40', Add</i>	15.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0584	EA		1-1/2" Rigid Galvanized Steel (RGS) Chase Nipple .....	38.65	17.60
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0585	EA		2" Rigid Galvanized Steel (RGS) Chase Nipple.....	47.83	21.12
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68	
26 05 33 13-0586	EA		2-1/2" Rigid Galvanized Steel (RGS) Chase Nipple .....	59.90	24.64
			<i>For Work In Restricted Working Space, Add</i>	14.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.25	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.65	
			<i>For Elevated Installation &gt;40', Add</i>	27.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
26 05 33 13-0587	EA		3" Rigid Galvanized Steel (RGS) Chase Nipple.....	67.22	28.16
			<i>For Work In Restricted Working Space, Add</i>	16.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
			<i>For Elevated Installation &gt;40', Add</i>	30.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.90	
26 05 33 13-0588	EA		3-1/2" Rigid Galvanized Steel (RGS) Chase Nipple .....	82.62	31.68
			<i>For Work In Restricted Working Space, Add</i>	19.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.35	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.69	
			<i>For Elevated Installation &gt;40', Add</i>	34.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.01	
26 05 33 13-0589	EA		4" Rigid Galvanized Steel (RGS) Chase Nipple.....	110.75	35.21
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0590			<b>Rigid Galvanized Steel (RGS) Pulling Elbow</b> <small>(26 05 33 13-0060)</small> .....	32.67	12.68
26 05 33 13-0591	EA		1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	32.67	12.68
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
			<i>For Elevated Installation &gt;40', Add</i>	13.94	
26 05 33 13-0592	EA		3/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	37.97	14.78
			<i>For Work In Restricted Working Space, Add</i>	8.87	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.96	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.91	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.39	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.35	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.83	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.79	
			<i>For Elevated Installation &gt;40', Add</i>	16.26	
26 05 33 13-0593	EA		1" Rigid Galvanized Steel (RGS) Pulling Elbow.....	47.75	16.90
			<i>For Work In Restricted Working Space, Add</i>	10.14	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.90	
			<i>For Elevated Installation &gt;40', Add</i>	18.59	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0594	EA	1-1/4" Rigid Galvanized Steel (RGS) Pulling Elbow.....	61.03	21.12
		<i>For Work In Restricted Working Space, Add</i>	12.68	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
		<i>For Elevated Installation &gt;40', Add</i>	23.24	
26 05 33 13-0595	EA	1-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	80.50	25.35
		<i>For Work In Restricted Working Space, Add</i>	15.21	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.07	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.14	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.67	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.74	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	20.28	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	25.35	
		<i>For Elevated Installation &gt;40', Add</i>	27.88	
26 05 33 13-0596	EA	2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	106.33	29.57
		<i>For Work In Restricted Working Space, Add</i>	17.75	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.92	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	11.83	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	14.79	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	20.70	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	23.66	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	29.58	
		<i>For Elevated Installation &gt;40', Add</i>	32.53	
26 05 33 13-0597	EA	2-1/2" Rigid Galvanized Steel (RGS) Pulling Elbow.....	145.48	33.80
		<i>For Work In Restricted Working Space, Add</i>	20.28	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	13.52	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	16.90	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	23.66	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	27.04	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	33.80	
		<i>For Elevated Installation &gt;40', Add</i>	37.17	
26 05 33 13-0598	EA	3" Rigid Galvanized Steel (RGS) Pulling Elbow.....	249.50	42.25
		<i>For Work In Restricted Working Space, Add</i>	25.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
		<i>For Elevated Installation &gt;40', Add</i>	46.47	

26 05 33 13-0599 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0059)  
 Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.

26 05 33 13-0600 Electrical Metallic Tubing (EMT) Thinwall Conduit (26 05 33 13-0599)  
 Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".

26 05 33 13-0601	LF	1/2" Electrical Metallic Tubing (EMT) Conduit.....	7.38	2.54
		<i>For &gt;250 To 500, Deduct</i>	-0.05	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.40	
		<i>For &gt;1,000, Deduct</i>	-0.58	
		<i>For Installation In Metal Stud Wall, Add</i>	0.63	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.59	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	0.95	
		<i>For Work In Restricted Working Space, Add</i>	1.90	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.63	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.27	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.59	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.22	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.54	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.17	
		<i>For Elevated Installation &gt;40', Add</i>	3.49	
		<i>For Factory Applied Color Coating, Add</i>	0.31	
26 05 33 13-0602	LF	3/4" Electrical Metallic Tubing (EMT) Conduit.....	8.67	2.82
		<i>For &gt;250 To 500, Deduct</i>	-0.08	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.47	
		<i>For &gt;1,000, Deduct</i>	-0.69	
		<i>For Installation In Metal Stud Wall, Add</i>	0.70	
		<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.76	
		<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.06	
		<i>For Work In Restricted Working Space, Add</i>	2.11	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
		<i>For Elevated Installation &gt;40', Add</i>	3.87	
		<i>For Factory Applied Color Coating, Add</i>	0.49	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0603 LF 1" Electrical Metallic Tubing (EMT) Conduit.....	10.45	3.10
For >250 To 500, Deduct	-0.14	
For >500 To 1,000, Deduct	-0.59	
For >1,000, Deduct	-0.85	
For Installation In Metal Stud Wall, Add	0.77	
For Installation In Wood Stud Wall (Includes Drilling), Add	1.94	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.16	
For Work In Restricted Working Space, Add	2.32	
For Elevated Installation >10' To 15', Add	0.77	
For Elevated Installation >15' To 20', Add	1.55	
For Elevated Installation >20' To 25', Add	1.94	
For Elevated Installation >25' To 30', Add	2.71	
For Elevated Installation >30' To 35', Add	3.10	
For Elevated Installation >35' To 40', Add	3.87	
For Elevated Installation >40', Add	4.26	
For Factory Applied Color Coating, Add	0.81	
26 05 33 13-0604 LF 1-1/4" Electrical Metallic Tubing (EMT) Conduit .....	13.01	3.49
For >250 To 500, Deduct	-0.21	
For >500 To 1,000, Deduct	-0.76	
For >1,000, Deduct	-1.08	
For Installation In Metal Stud Wall, Add	0.87	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.18	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.31	
For Work In Restricted Working Space, Add	2.62	
For Elevated Installation >10' To 15', Add	0.87	
For Elevated Installation >15' To 20', Add	1.75	
For Elevated Installation >20' To 25', Add	2.18	
For Elevated Installation >25' To 30', Add	3.06	
For Elevated Installation >30' To 35', Add	3.49	
For Elevated Installation >35' To 40', Add	4.37	
For Elevated Installation >40', Add	4.80	
For Factory Applied Color Coating, Add	1.28	
26 05 33 13-0605 LF 1-1/2" Electrical Metallic Tubing (EMT) Conduit .....	15.19	3.94
For >250 To 500, Deduct	-0.27	
For >500 To 1,000, Deduct	-0.89	
For >1,000, Deduct	-1.27	
For Installation In Metal Stud Wall, Add	0.99	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.47	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.48	
For Work In Restricted Working Space, Add	2.96	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.47	
For Elevated Installation >25' To 30', Add	3.45	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.93	
For Elevated Installation >40', Add	5.42	
For Factory Applied Color Coating, Add	1.60	
26 05 33 13-0606 LF 2" Electrical Metallic Tubing (EMT) Conduit.....	17.58	4.50
For >250 To 500, Deduct	-0.32	
For >500 To 1,000, Deduct	-1.04	
For >1,000, Deduct	-1.48	
For Installation In Metal Stud Wall, Add	1.13	
For Installation In Wood Stud Wall (Includes Drilling), Add	2.82	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.69	
For Work In Restricted Working Space, Add	3.38	
For Elevated Installation >10' To 15', Add	1.13	
For Elevated Installation >15' To 20', Add	2.25	
For Elevated Installation >20' To 25', Add	2.82	
For Elevated Installation >25' To 30', Add	3.94	
For Elevated Installation >30' To 35', Add	4.50	
For Elevated Installation >35' To 40', Add	5.63	
For Elevated Installation >40', Add	6.19	
For Factory Applied Color Coating, Add	1.90	
26 05 33 13-0607 LF 2-1/2" Electrical Metallic Tubing (EMT) Conduit .....	22.74	5.36
For >250 To 500, Deduct	-0.47	
For >500 To 1,000, Deduct	-1.37	
For >1,000, Deduct	-1.94	
For Installation In Metal Stud Wall, Add	1.34	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.35	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.01	
For Work In Restricted Working Space, Add	4.01	
For Elevated Installation >10' To 15', Add	1.34	
For Elevated Installation >15' To 20', Add	2.68	
For Elevated Installation >20' To 25', Add	3.35	
For Elevated Installation >25' To 30', Add	4.68	
For Elevated Installation >30' To 35', Add	5.35	
For Elevated Installation >35' To 40', Add	6.69	
For Elevated Installation >40', Add	7.36	
For Factory Applied Color Coating, Add	2.81	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0608	LF	3" Electrical Metallic Tubing (EMT) Conduit.....	27.21	6.20
			For >250 To 500, Deduct	-0.59	
			For >500 To 1,000, Deduct	-1.65	
			For >1,000, Deduct	-2.33	
			For Installation In Metal Stud Wall, Add	1.55	
			For Installation In Wood Stud Wall (Includes Drilling), Add	3.87	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.32	
			For Work In Restricted Working Space, Add	4.65	
			For Elevated Installation >10' To 15', Add	1.55	
			For Elevated Installation >15' To 20', Add	3.10	
			For Elevated Installation >20' To 25', Add	3.87	
			For Elevated Installation >25' To 30', Add	5.42	
			For Elevated Installation >30' To 35', Add	6.20	
			For Elevated Installation >35' To 40', Add	7.75	
			For Elevated Installation >40', Add	8.52	
			For Factory Applied Color Coating, Add	3.52	
26 05 33	13-0609	LF	3-1/2" Electrical Metallic Tubing (EMT) Conduit.....	33.96	7.32
			For >250 To 500, Deduct	-0.78	
			For >500 To 1,000, Deduct	-2.09	
			For >1,000, Deduct	-2.94	
			For Installation In Metal Stud Wall, Add	1.83	
			For Installation In Wood Stud Wall (Includes Drilling), Add	4.58	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.75	
			For Work In Restricted Working Space, Add	5.49	
			For Elevated Installation >10' To 15', Add	1.83	
			For Elevated Installation >15' To 20', Add	3.66	
			For Elevated Installation >20' To 25', Add	4.58	
			For Elevated Installation >25' To 30', Add	6.41	
			For Elevated Installation >30' To 35', Add	7.32	
			For Elevated Installation >35' To 40', Add	9.15	
			For Elevated Installation >40', Add	10.07	
			For Factory Applied Color Coating, Add	4.70	
26 05 33	13-0610	LF	4" Electrical Metallic Tubing (EMT) Conduit.....	43.79	10.47
			For >250 To 500, Deduct	-0.88	
			For >500 To 1,000, Deduct	-2.63	
			For >1,000, Deduct	-3.73	
			For Installation In Metal Stud Wall, Add	2.62	
			For Installation In Wood Stud Wall (Includes Drilling), Add	6.54	
			For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.92	
			For Work In Restricted Working Space, Add	7.85	
			For Elevated Installation >10' To 15', Add	2.62	
			For Elevated Installation >15' To 20', Add	5.23	
			For Elevated Installation >20' To 25', Add	6.54	
			For Elevated Installation >25' To 30', Add	9.15	
			For Elevated Installation >30' To 35', Add	10.46	
			For Elevated Installation >35' To 40', Add	13.08	
			For Elevated Installation >40', Add	14.38	
			For Factory Applied Color Coating, Add	5.29	
26 05 33	13-0611		<b>Electrical Metallic Tubing (EMT) 90 Degree Elbows</b> <small>(26 05 33 13-0599)</small>		
			See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33	13-0612	EA	1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	17.81	6.20
			For Work In Restricted Working Space, Add	4.65	
			For Elevated Installation >10' To 15', Add	1.55	
			For Elevated Installation >15' To 20', Add	3.10	
			For Elevated Installation >20' To 25', Add	3.87	
			For Elevated Installation >25' To 30', Add	5.42	
			For Elevated Installation >30' To 35', Add	6.20	
			For Elevated Installation >35' To 40', Add	7.75	
			For Elevated Installation >40', Add	8.52	
26 05 33	13-0613	EA	3/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	18.96	6.76
			For Work In Restricted Working Space, Add	5.07	
			For Elevated Installation >10' To 15', Add	1.69	
			For Elevated Installation >15' To 20', Add	3.38	
			For Elevated Installation >20' To 25', Add	4.23	
			For Elevated Installation >25' To 30', Add	5.92	
			For Elevated Installation >30' To 35', Add	6.76	
			For Elevated Installation >35' To 40', Add	8.45	
			For Elevated Installation >40', Add	9.30	
26 05 33	13-0614	EA	1" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	22.96	7.88
			For Work In Restricted Working Space, Add	5.92	
			For Elevated Installation >10' To 15', Add	1.97	
			For Elevated Installation >15' To 20', Add	3.94	
			For Elevated Installation >20' To 25', Add	4.93	
			For Elevated Installation >25' To 30', Add	6.90	
			For Elevated Installation >30' To 35', Add	7.89	
			For Elevated Installation >35' To 40', Add	9.86	
			For Elevated Installation >40', Add	10.85	
26 05 33	13-0615	EA	1-1/4" Electrical Metallic Tubing (EMT) 90 Degree Elbow.....	25.15	8.45
			For Work In Restricted Working Space, Add	6.34	
			For Elevated Installation >10' To 15', Add	2.11	
			For Elevated Installation >15' To 20', Add	4.22	
			For Elevated Installation >20' To 25', Add	5.28	
			For Elevated Installation >25' To 30', Add	7.39	
			For Elevated Installation >30' To 35', Add	8.45	
			For Elevated Installation >35' To 40', Add	10.56	
			For Elevated Installation >40', Add	11.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0616	EA		1-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	29.88 7.61 2.54 5.07 6.34 8.87 10.14 12.68 13.94	10.14
26 05 33 13-0617	EA		2" Electrical Metallic Tubing (EMT) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	39.09 9.72 3.24 6.48 8.10 11.34 12.96 16.20 17.81	12.96
26 05 33 13-0618	EA		2-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	51.41 10.98 3.66 7.32 9.15 12.81 14.64 18.31 20.14	14.64
26 05 33 13-0619	EA		3" Electrical Metallic Tubing (EMT) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	64.74 12.25 4.08 8.17 10.21 14.29 16.34 20.42 22.46	16.34
26 05 33 13-0620	EA		3-1/2" Electrical Metallic Tubing (EMT) 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	73.34 13.52 4.51 9.01 11.27 15.77 18.03 22.54 24.79	18.02
26 05 33 13-0621	EA		4" Electrical Metallic Tubing (EMT) 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	152.84 34.33 11.44 22.88 28.61 40.05 45.77 57.21 62.93	45.77
26 05 33 13-0622			<b>Electrical Metallic Tubing (EMT) 45 Degree Elbows</b> (26 05 33 13-0599) See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0623	EA		1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	17.56 4.65 1.55 3.10 3.87 5.42 6.20 7.75 8.52	6.20
26 05 33 13-0624	EA		3/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	19.11 5.07 1.69 3.38 4.23 5.92 6.76 8.45 9.30	6.76
26 05 33 13-0625	EA		1" Electrical Metallic Tubing (EMT) 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i>	23.29 5.92 1.97 3.94 4.93 6.90 7.89 9.86 10.85	7.88

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0626	EA	1-1/4" Electrical Metallic Tubing (EMT) 45 Degree Elbow .....	25.77	8.45
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
			<i>For Elevated Installation &gt;40', Add</i>	11.62	
26 05 33	13-0627	EA	1-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow .....	30.66	10.14
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
			<i>For Elevated Installation &gt;40', Add</i>	13.94	
26 05 33	13-0628	EA	2" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	38.84	12.96
			<i>For Work In Restricted Working Space, Add</i>	9.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.20	
			<i>For Elevated Installation &gt;40', Add</i>	17.81	
26 05 33	13-0629	EA	2-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow .....	53.67	14.64
			<i>For Work In Restricted Working Space, Add</i>	10.98	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.66	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.32	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.15	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.81	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.64	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	18.31	
			<i>For Elevated Installation &gt;40', Add</i>	20.14	
26 05 33	13-0630	EA	3" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	66.54	16.34
			<i>For Work In Restricted Working Space, Add</i>	12.25	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.08	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.42	
			<i>For Elevated Installation &gt;40', Add</i>	22.46	
26 05 33	13-0631	EA	3-1/2" Electrical Metallic Tubing (EMT) 45 Degree Elbow .....	78.23	18.02
			<i>For Work In Restricted Working Space, Add</i>	13.52	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.51	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.01	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.27	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	15.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.03	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	22.54	
			<i>For Elevated Installation &gt;40', Add</i>	24.79	
26 05 33	13-0632	EA	4" Electrical Metallic Tubing (EMT) 45 Degree Elbow.....	149.42	45.77
			<i>For Work In Restricted Working Space, Add</i>	34.33	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.44	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.88	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.61	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	40.05	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	57.21	
			<i>For Elevated Installation &gt;40', Add</i>	62.93	
26 05 33	13-0633		<b>Electrical Metallic Tubing (EMT) Set Screw Couplings (26 05 33 13-0599)</b>		
26 05 33	13-0634	EA	1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	7.31	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
			<i>For Elevated Installation &gt;40', Add</i>	3.87	
26 05 33	13-0635	EA	3/4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	8.84	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
			<i>For Elevated Installation &gt;40', Add</i>	4.65	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0636 EA 1" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	10.45	3.94
For Work In Restricted Working Space, Add	2.96	
For Elevated Installation >10' To 15', Add	0.99	
For Elevated Installation >15' To 20', Add	1.97	
For Elevated Installation >20' To 25', Add	2.46	
For Elevated Installation >25' To 30', Add	3.45	
For Elevated Installation >30' To 35', Add	3.94	
For Elevated Installation >35' To 40', Add	4.93	
For Elevated Installation >40', Add	5.42	
26 05 33 13-0637 EA 1-1/4" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	13.98	5.07
For Work In Restricted Working Space, Add	3.80	
For Elevated Installation >10' To 15', Add	1.27	
For Elevated Installation >15' To 20', Add	2.53	
For Elevated Installation >20' To 25', Add	3.17	
For Elevated Installation >25' To 30', Add	4.43	
For Elevated Installation >30' To 35', Add	5.07	
For Elevated Installation >35' To 40', Add	6.34	
For Elevated Installation >40', Add	6.97	
26 05 33 13-0638 EA 1-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	17.23	6.20
For Work In Restricted Working Space, Add	4.65	
For Elevated Installation >10' To 15', Add	1.55	
For Elevated Installation >15' To 20', Add	3.10	
For Elevated Installation >20' To 25', Add	3.88	
For Elevated Installation >25' To 30', Add	5.43	
For Elevated Installation >30' To 35', Add	6.20	
For Elevated Installation >35' To 40', Add	7.75	
For Elevated Installation >40', Add	8.53	
26 05 33 13-0639 EA 2" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	23.42	8.45
For Work In Restricted Working Space, Add	6.34	
For Elevated Installation >10' To 15', Add	2.11	
For Elevated Installation >15' To 20', Add	4.22	
For Elevated Installation >20' To 25', Add	5.28	
For Elevated Installation >25' To 30', Add	7.39	
For Elevated Installation >30' To 35', Add	8.45	
For Elevated Installation >35' To 40', Add	10.56	
For Elevated Installation >40', Add	11.62	
26 05 33 13-0640 EA 2-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	32.19	11.26
For Work In Restricted Working Space, Add	8.45	
For Elevated Installation >10' To 15', Add	2.82	
For Elevated Installation >15' To 20', Add	5.63	
For Elevated Installation >20' To 25', Add	7.04	
For Elevated Installation >25' To 30', Add	9.86	
For Elevated Installation >30' To 35', Add	11.26	
For Elevated Installation >35' To 40', Add	14.08	
For Elevated Installation >40', Add	15.49	
26 05 33 13-0641 EA 3" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	41.46	12.96
For Work In Restricted Working Space, Add	10.56	
For Elevated Installation >10' To 15', Add	3.52	
For Elevated Installation >15' To 20', Add	7.04	
For Elevated Installation >20' To 25', Add	8.80	
For Elevated Installation >25' To 30', Add	12.32	
For Elevated Installation >30' To 35', Add	14.08	
For Elevated Installation >35' To 40', Add	17.61	
For Elevated Installation >40', Add	19.37	
26 05 33 13-0642 EA 3-1/2" Electrical Metallic Tubing (EMT) Set Screw Coupling .....	47.20	14.08
For Work In Restricted Working Space, Add	12.68	
For Elevated Installation >10' To 15', Add	4.23	
For Elevated Installation >15' To 20', Add	8.45	
For Elevated Installation >20' To 25', Add	10.56	
For Elevated Installation >25' To 30', Add	14.79	
For Elevated Installation >30' To 35', Add	16.90	
For Elevated Installation >35' To 40', Add	21.13	
For Elevated Installation >40', Add	23.24	
26 05 33 13-0643 EA 4" Electrical Metallic Tubing (EMT) Set Screw Coupling.....	131.58	37.93
For Work In Restricted Working Space, Add	36.83	
For Elevated Installation >10' To 15', Add	12.28	
For Elevated Installation >15' To 20', Add	24.55	
For Elevated Installation >20' To 25', Add	30.69	
For Elevated Installation >25' To 30', Add	42.97	
For Elevated Installation >30' To 35', Add	49.10	
For Elevated Installation >35' To 40', Add	61.38	
For Elevated Installation >40', Add	67.52	
<b>26 05 33 13-0644 Electrical Metallic Tubing (EMT) Compression Couplings (26 05 33 13-0599)</b>		
26 05 33 13-0645 EA 1/2 Electrical Metallic Tubing (EMT) Compression Coupling .....	9.11	3.38
For Work In Restricted Working Space, Add	2.54	
For Elevated Installation >10' To 15', Add	0.85	
For Elevated Installation >15' To 20', Add	1.69	
For Elevated Installation >20' To 25', Add	2.11	
For Elevated Installation >25' To 30', Add	2.96	
For Elevated Installation >30' To 35', Add	3.38	
For Elevated Installation >35' To 40', Add	4.23	
For Elevated Installation >40', Add	4.65	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

26 05 33 13-0646	EA	3/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	10.59	3.94
		<i>For Work In Restricted Working Space, Add</i>	2.96	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
		<i>For Elevated Installation &gt;40', Add</i>	5.42	
26 05 33 13-0647	EA	1" Electrical Metallic Tubing (EMT) Compression Coupling.....	15.09	5.64
		<i>For Work In Restricted Working Space, Add</i>	4.22	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.82	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.93	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.63	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.04	
		<i>For Elevated Installation &gt;40', Add</i>	7.74	
26 05 33 13-0648	EA	1-1/4" Electrical Metallic Tubing (EMT) Compression Coupling.....	19.01	6.76
		<i>For Work In Restricted Working Space, Add</i>	5.07	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
		<i>For Elevated Installation &gt;40', Add</i>	9.30	
26 05 33 13-0649	EA	1-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	22.69	7.88
		<i>For Work In Restricted Working Space, Add</i>	5.92	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.97	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.94	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.93	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.89	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.86	
		<i>For Elevated Installation &gt;40', Add</i>	10.85	
26 05 33 13-0650	EA	2" Electrical Metallic Tubing (EMT) Compression Coupling.....	30.03	10.14
		<i>For Work In Restricted Working Space, Add</i>	7.61	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
		<i>For Elevated Installation &gt;40', Add</i>	13.94	
26 05 33 13-0651	EA	2-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	46.02	13.52
		<i>For Work In Restricted Working Space, Add</i>	10.14	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.38	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.76	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.45	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	11.83	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	13.52	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	16.90	
		<i>For Elevated Installation &gt;40', Add</i>	18.59	
26 05 33 13-0652	EA	3" Electrical Metallic Tubing (EMT) Compression Coupling.....	53.31	15.77
		<i>For Work In Restricted Working Space, Add</i>	11.83	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
		<i>For Elevated Installation &gt;40', Add</i>	21.69	
26 05 33 13-0653	EA	3-1/2" Electrical Metallic Tubing (EMT) Compression Coupling.....	66.66	19.72
		<i>For Work In Restricted Working Space, Add</i>	14.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.32	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.25	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.65	
		<i>For Elevated Installation &gt;40', Add</i>	27.11	
26 05 33 13-0654	EA	4" Electrical Metallic Tubing (EMT) Compression Coupling.....	85.52	25.35
		<i>For Work In Restricted Working Space, Add</i>	19.01	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	25.35	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	31.69	
		<i>For Elevated Installation &gt;40', Add</i>	34.85	

26 05 33 13-0655 Electrical Metallic Tubing (EMT) Raintight Compression Couplings (26 05 33 13-0599)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0656	EA		1/2 Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	10.06	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
			<i>For Elevated Installation &gt;40', Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0657	EA		3/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	11.63	3.94
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
			<i>For Elevated Installation &gt;40', Add</i>	5.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-0658	EA		1" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	17.07	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.04	
			<i>For Elevated Installation &gt;40', Add</i>	7.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-0659	EA		1-1/4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	21.41	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
			<i>For Elevated Installation &gt;40', Add</i>	9.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	
26 05 33 13-0660	EA		1-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	26.96	7.88
			<i>For Work In Restricted Working Space, Add</i>	5.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.94	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.89	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.86	
			<i>For Elevated Installation &gt;40', Add</i>	10.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.92	
26 05 33 13-0661	EA		2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	32.83	9.58
			<i>For Work In Restricted Working Space, Add</i>	7.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.97	
			<i>For Elevated Installation &gt;40', Add</i>	13.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.18	
26 05 33 13-0662	EA		2-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	44.22	12.96
			<i>For Work In Restricted Working Space, Add</i>	9.72	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.24	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.48	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.34	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.96	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.20	
			<i>For Elevated Installation &gt;40', Add</i>	17.81	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-0663	EA		3" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	55.50	15.77
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.94	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.89	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.86	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.80	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.77	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.72	
			<i>For Elevated Installation &gt;40', Add</i>	21.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-0664	EA		3-1/2" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	72.54	19.72
			<i>For Work In Restricted Working Space, Add</i>	14.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.25	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.65	
			<i>For Elevated Installation &gt;40', Add</i>	27.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0665	EA 4" Electrical Metallic Tubing (EMT) Raintight Compression Coupling.....	89.36	25.35
	<i>For Work In Restricted Working Space, Add</i>	19.01	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	25.35	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	31.69	
	<i>For Elevated Installation &gt;40', Add</i>	34.85	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.01	
<b>26 05 33 13-0666</b>	<b>Electrical Metallic Tubing (EMT) Insulated Bushing (26 05 33 13-0599)</b>		
26 05 33 13-0667	EA 1/2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	9.53	3.80
	<i>For Work In Restricted Working Space, Add</i>	2.83	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.94	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.89	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.36	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.30	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.78	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.72	
	<i>For Elevated Installation &gt;40', Add</i>	5.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-0668	EA 3/4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	10.42	4.08
	<i>For Work In Restricted Working Space, Add</i>	3.08	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.03	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.06	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.57	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.60	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.11	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.14	
	<i>For Elevated Installation &gt;40', Add</i>	5.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-0669	EA 1" Electrical Metallic Tubing (EMT) Insulated Bushing.....	12.99	5.07
	<i>For Work In Restricted Working Space, Add</i>	3.76	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.25	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.51	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.14	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.02	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	6.27	
	<i>For Elevated Installation &gt;40', Add</i>	6.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.76	
26 05 33 13-0670	EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Bushing .....	16.61	6.48
	<i>For Work In Restricted Working Space, Add</i>	4.82	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.21	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.62	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	6.42	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	8.03	
	<i>For Elevated Installation &gt;40', Add</i>	8.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-0671	EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing .....	19.60	7.46
	<i>For Work In Restricted Working Space, Add</i>	5.62	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.87	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.75	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.68	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.56	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.49	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.37	
	<i>For Elevated Installation &gt;40', Add</i>	10.30	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.62	
26 05 33 13-0672	EA 2" Electrical Metallic Tubing (EMT) Insulated Bushing.....	23.98	9.02
	<i>For Work In Restricted Working Space, Add</i>	6.76	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.25	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.51	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.63	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.89	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	9.01	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	11.27	
	<i>For Elevated Installation &gt;40', Add</i>	12.39	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.76	
26 05 33 13-0673	EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing .....	34.40	12.54
	<i>For Work In Restricted Working Space, Add</i>	9.38	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.13	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.25	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.82	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.94	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	12.50	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	15.63	
	<i>For Elevated Installation &gt;40', Add</i>	17.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0674	EA		3" Electrical Metallic Tubing (EMT) Insulated Bushing.....	45.67	16.62
			<i>For Work In Restricted Working Space, Add</i>	12.50	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.59	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.84	
			<i>For Elevated Installation &gt;40', Add</i>	22.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33 13-0675	EA		3-1/2" Electrical Metallic Tubing (EMT) Insulated Bushing .....	58.57	21.40
			<i>For Work In Restricted Working Space, Add</i>	16.10	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.83	
			<i>For Elevated Installation &gt;40', Add</i>	29.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-0676	EA		4" Electrical Metallic Tubing (EMT) Insulated Bushing.....	75.89	28.16
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
<b>26 05 33 13-0677</b>			<b>Electrical Metallic Tubing (EMT) Straight Box Connectors With Set Screw<sup>(26)</sup></b>		
			<small>05 33 13-0599</small>		
26 05 33 13-0678	EA		1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	7.25	2.82
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
			<i>For Elevated Installation &gt;40', Add</i>	3.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.11	
26 05 33 13-0679	EA		3/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	8.79	3.38
			<i>For Work In Restricted Working Space, Add</i>	2.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
			<i>For Elevated Installation &gt;40', Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	
26 05 33 13-0680	EA		1" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	10.46	3.94
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
			<i>For Elevated Installation &gt;40', Add</i>	5.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33 13-0681	EA		1-1/4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	15.18	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.04	
			<i>For Elevated Installation &gt;40', Add</i>	7.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-0682	EA		1-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw .....	18.50	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
			<i>For Elevated Installation &gt;40', Add</i>	9.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

26 05 33 13-0683	EA	2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	23.49	8.45
		<i>For Work In Restricted Working Space, Add</i>	6.34	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.11	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.22	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.28	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.39	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.56	
		<i>For Elevated Installation &gt;40', Add</i>	11.62	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-0684	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	34.76	11.26
		<i>For Work In Restricted Working Space, Add</i>	8.45	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
		<i>For Elevated Installation &gt;40', Add</i>	15.49	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	
26 05 33 13-0685	EA	3" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	43.28	14.08
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
		<i>For Elevated Installation &gt;40', Add</i>	19.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0686	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	51.32	16.90
		<i>For Work In Restricted Working Space, Add</i>	12.68	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
		<i>For Elevated Installation &gt;40', Add</i>	23.24	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68	
26 05 33 13-0687	EA	4" Electrical Metallic Tubing (EMT) Straight Box Connector With Set Screw.....	59.79	19.72
		<i>For Work In Restricted Working Space, Add</i>	14.79	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.93	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	9.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	12.32	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	17.25	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	19.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	24.65	
		<i>For Elevated Installation &gt;40', Add</i>	27.11	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	

**26 05 33 13-0688 Electrical Metallic Tubing (EMT) Insulated Straight Box Connectors With Set Screw** (26 05 33 13-0599)

26 05 33 13-0689	EA	1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	9.79	3.80
		<i>For Work In Restricted Working Space, Add</i>	2.83	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	0.94	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	1.89	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.36	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.30	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	3.78	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	4.72	
		<i>For Elevated Installation &gt;40', Add</i>	5.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-0690	EA	3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	10.84	4.08
		<i>For Work In Restricted Working Space, Add</i>	3.08	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.03	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.06	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	2.57	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	3.60	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	4.11	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	5.14	
		<i>For Elevated Installation &gt;40', Add</i>	5.65	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-0691	EA	1" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw .....	13.54	5.07
		<i>For Work In Restricted Working Space, Add</i>	3.76	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.25	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.51	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.14	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.39	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.02	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.27	
		<i>For Elevated Installation &gt;40', Add</i>	6.90	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0692	EA		1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw ..... 17.73		6.48
			<i>For Work In Restricted Working Space, Add</i>	4.82	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.21	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.42	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.03	
			<i>For Elevated Installation &gt;40', Add</i>	8.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-0693	EA		1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw ..... 20.95		7.46
			<i>For Work In Restricted Working Space, Add</i>	5.62	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.68	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.56	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.37	
			<i>For Elevated Installation &gt;40', Add</i>	10.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.62	
26 05 33 13-0694	EA		2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw ..... 25.58		9.02
			<i>For Work In Restricted Working Space, Add</i>	6.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.25	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.51	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.63	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	7.89	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.01	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.27	
			<i>For Elevated Installation &gt;40', Add</i>	12.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.76	
26 05 33 13-0695	EA		2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw ..... 41.25		12.54
			<i>For Work In Restricted Working Space, Add</i>	9.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.13	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.82	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.50	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.63	
			<i>For Elevated Installation &gt;40', Add</i>	17.19	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.38	
26 05 33 13-0696	EA		3" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw ..... 53.63		16.62
			<i>For Work In Restricted Working Space, Add</i>	12.50	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.17	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.34	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.42	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.59	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.67	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	20.84	
			<i>For Elevated Installation &gt;40', Add</i>	22.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	
26 05 33 13-0697	EA		3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw ..... 68.59		21.40
			<i>For Work In Restricted Working Space, Add</i>	16.10	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.37	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.46	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.83	
			<i>For Elevated Installation &gt;40', Add</i>	29.51	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-0698	EA		4" Electrical Metallic Tubing (EMT) Insulated Straight Box Connector With Set Screw ..... 86.85		28.16
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0699	<b>Electrical Metallic Tubing (EMT) Straight Box Compression Connectors <small>(26 05 33 13-0599)</small></b>				
26 05 33 13-0700	EA		1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector ..... 8.79		3.38
			<i>For Work In Restricted Working Space, Add</i>	2.54	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.85	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.96	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.23	
			<i>For Elevated Installation &gt;40', Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.54	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0701	EA	3/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	10.38	3.94
			<i>For Work In Restricted Working Space, Add</i>	2.96	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.99	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.97	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	2.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	3.45	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	3.94	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	4.93	
			<i>For Elevated Installation &gt;40', Add</i>	5.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.96	
26 05 33	13-0702	EA	1" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	14.82	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.41	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	2.82	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	3.52	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	4.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	5.63	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	7.04	
			<i>For Elevated Installation &gt;40', Add</i>	7.74	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33	13-0703	EA	1-1/4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	18.29	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.23	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.92	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
			<i>For Elevated Installation &gt;40', Add</i>	9.30	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	
26 05 33	13-0704	EA	1-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	21.68	7.88
			<i>For Work In Restricted Working Space, Add</i>	5.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.97	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.94	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.93	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	6.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	7.89	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	9.86	
			<i>For Elevated Installation &gt;40', Add</i>	10.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.92	
26 05 33	13-0705	EA	2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	28.19	10.14
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.54	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	6.34	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.87	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	10.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	12.68	
			<i>For Elevated Installation &gt;40', Add</i>	13.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.61	
26 05 33	13-0706	EA	2-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	42.34	13.52
			<i>For Work In Restricted Working Space, Add</i>	10.14	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.38	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.76	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.45	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	11.83	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	13.52	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	16.90	
			<i>For Elevated Installation &gt;40', Add</i>	18.59	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.14	
26 05 33	13-0707	EA	3" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	53.43	16.90
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68	
26 05 33	13-0708	EA	3-1/2" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	66.51	19.72
			<i>For Work In Restricted Working Space, Add</i>	14.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.32	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.25	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.65	
			<i>For Elevated Installation &gt;40', Add</i>	27.11	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
26 05 33	13-0709	EA	4" Electrical Metallic Tubing (EMT) Straight Box Compression Connector .....	75.01	22.53
			<i>For Work In Restricted Working Space, Add</i>	16.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
			<i>For Elevated Installation &gt;40', Add</i>	30.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.90	

MINOR	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 05 33 13-0710 Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connectors**

26 05 33 13-0711	EA 1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector ..... 10.03	3.80	
	<i>For Work In Restricted Working Space, Add</i>	2.83	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.94	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.89	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.36	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.30	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.78	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.72	
	<i>For Elevated Installation &gt;40', Add</i>	5.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.83	
26 05 33 13-0712	EA 3/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector ..... 11.09	4.08	
	<i>For Work In Restricted Working Space, Add</i>	3.08	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.03	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.06	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.57	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.60	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.11	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.14	
	<i>For Elevated Installation &gt;40', Add</i>	5.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.08	
26 05 33 13-0713	EA 1" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector ..... 13.75	5.07	
	<i>For Work In Restricted Working Space, Add</i>	3.76	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.25	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.51	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.14	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.39	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	5.02	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	6.27	
	<i>For Elevated Installation &gt;40', Add</i>	6.90	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.76	
26 05 33 13-0714	EA 1-1/4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector ..... 18.32	6.48	
	<i>For Work In Restricted Working Space, Add</i>	4.82	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.61	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.21	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.02	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	5.62	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	6.42	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	8.03	
	<i>For Elevated Installation &gt;40', Add</i>	8.83	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.82	
26 05 33 13-0715	EA 1-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector ..... 21.93	7.46	
	<i>For Work In Restricted Working Space, Add</i>	5.62	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.87	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	3.75	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	4.68	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	6.56	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	7.49	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	9.37	
	<i>For Elevated Installation &gt;40', Add</i>	10.30	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.62	
26 05 33 13-0716	EA 2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector ..... 27.00	9.02	
	<i>For Work In Restricted Working Space, Add</i>	6.76	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.25	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	4.51	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	5.63	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	7.89	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	9.01	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	11.27	
	<i>For Elevated Installation &gt;40', Add</i>	12.39	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.76	
26 05 33 13-0717	EA 2-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector ..... 46.41	12.54	
	<i>For Work In Restricted Working Space, Add</i>	9.38	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	3.13	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	6.25	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	7.82	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	10.94	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	12.50	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	15.63	
	<i>For Elevated Installation &gt;40', Add</i>	17.19	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.38	
26 05 33 13-0718	EA 3" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector ..... 62.29	16.62	
	<i>For Work In Restricted Working Space, Add</i>	12.50	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.17	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	8.34	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	10.42	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	14.59	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	16.67	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	20.84	
	<i>For Elevated Installation &gt;40', Add</i>	22.92	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.50	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0719	EA 3-1/2" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector .....	83.77	21.40
	<i>For Work In Restricted Working Space, Add</i>	16.10	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.37	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	10.73	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	13.41	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	18.78	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	21.46	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	26.83	
	<i>For Elevated Installation &gt;40', Add</i>	29.51	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.10	
26 05 33 13-0720	EA 4" Electrical Metallic Tubing (EMT) Insulated Straight Box Compression Connector.....	105.64	28.16
	<i>For Work In Restricted Working Space, Add</i>	21.12	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
	<i>For Elevated Installation &gt;40', Add</i>	38.73	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0721	<b>Electrical Metallic Tubing (EMT) Expansion Coupling</b> (26 05 33 13-0599)		
	Note: Excludes jumper.		
26 05 33 13-0722	EA 1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	70.76	18.73
	<i>For Work In Restricted Working Space, Add</i>	14.06	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	4.69	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	9.37	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	11.72	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	16.40	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	18.75	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	23.44	
	<i>For Elevated Installation &gt;40', Add</i>	25.78	
26 05 33 13-0723	EA 3/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	85.31	22.67
	<i>For Work In Restricted Working Space, Add</i>	17.04	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	5.68	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	11.36	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	14.20	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	19.88	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	22.72	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	28.41	
	<i>For Elevated Installation &gt;40', Add</i>	31.25	
26 05 33 13-0724	EA 1" Electrical Metallic Tubing (EMT) Expansion Coupling .....	105.04	28.45
	<i>For Work In Restricted Working Space, Add</i>	21.30	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.10	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	14.20	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	17.75	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	24.85	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	28.40	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	35.51	
	<i>For Elevated Installation &gt;40', Add</i>	39.06	
26 05 33 13-0725	EA 1-1/4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	135.03	34.92
	<i>For Work In Restricted Working Space, Add</i>	26.21	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.74	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	17.47	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	21.84	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	30.58	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	34.94	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	43.68	
	<i>For Elevated Installation &gt;40', Add</i>	48.05	
26 05 33 13-0726	EA 1-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	166.69	40.98
	<i>For Work In Restricted Working Space, Add</i>	30.74	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	10.25	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	20.49	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	25.61	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	35.86	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	40.98	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	51.23	
	<i>For Elevated Installation &gt;40', Add</i>	56.35	
26 05 33 13-0727	EA 2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	208.29	49.85
	<i>For Work In Restricted Working Space, Add</i>	37.43	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	12.48	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	24.95	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	31.19	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	43.66	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	49.90	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	62.38	
	<i>For Elevated Installation &gt;40', Add</i>	68.61	
26 05 33 13-0728	EA 2-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	383.83	64.07
	<i>For Work In Restricted Working Space, Add</i>	48.07	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	16.02	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	32.05	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	40.06	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	56.08	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	64.09	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	80.12	
	<i>For Elevated Installation &gt;40', Add</i>	88.13	



MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0729	EA	3" Electrical Metallic Tubing (EMT) Expansion Coupling .....	467.93	74.91
		<i>For Work In Restricted Working Space, Add</i>	56.21	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	18.74	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	37.47	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	46.84	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	65.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	74.94	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	93.68	
		<i>For Elevated Installation &gt;40', Add</i>	103.04	
26 05 33 13-0730	EA	3-1/2" Electrical Metallic Tubing (EMT) Expansion Coupling .....	570.13	81.67
		<i>For Work In Restricted Working Space, Add</i>	61.28	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	20.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	40.85	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	51.07	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	71.49	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	81.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	102.13	
		<i>For Elevated Installation &gt;40', Add</i>	112.34	
26 05 33 13-0731	EA	4" Electrical Metallic Tubing (EMT) Expansion Coupling .....	617.84	90.13
		<i>For Work In Restricted Working Space, Add</i>	67.62	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	22.54	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	45.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	56.35	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	78.89	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	90.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	112.70	
		<i>For Elevated Installation &gt;40', Add</i>	123.96	
<b>26 05 33 13-0732 Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapters</b>				
<small>(26 05 33 13-0599)</small>				
26 05 33 13-0733	EA	1/2" To 3/8" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	13.95	5.07
		<i>For Work In Restricted Working Space, Add</i>	3.75	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.25	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.50	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.13	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.00	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.26	
		<i>For Elevated Installation &gt;40', Add</i>	6.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.75	
26 05 33 13-0734	EA	1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	14.73	5.07
		<i>For Work In Restricted Working Space, Add</i>	3.75	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.25	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.50	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.13	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.38	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.00	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.26	
		<i>For Elevated Installation &gt;40', Add</i>	6.88	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.75	
26 05 33 13-0735	EA	3/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	16.44	5.50
		<i>For Work In Restricted Working Space, Add</i>	4.17	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	2.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.47	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	4.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	5.56	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	6.95	
		<i>For Elevated Installation &gt;40', Add</i>	7.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.17	
26 05 33 13-0736	EA	1" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	19.09	6.34
		<i>For Work In Restricted Working Space, Add</i>	4.75	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.58	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	3.96	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	5.54	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	6.33	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	7.91	
		<i>For Elevated Installation &gt;40', Add</i>	8.70	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.75	
26 05 33 13-0737	EA	1-1/4" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	26.54	7.60
		<i>For Work In Restricted Working Space, Add</i>	5.74	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	1.91	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	3.82	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	4.78	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	6.69	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	7.65	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	9.56	
		<i>For Elevated Installation &gt;40', Add</i>	10.52	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.74	
26 05 33 13-0738	EA	1-1/2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter .....	32.18	8.73
		<i>For Work In Restricted Working Space, Add</i>	6.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.19	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	4.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	5.47	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	7.65	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	8.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	10.93	
		<i>For Elevated Installation &gt;40', Add</i>	12.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.56	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0739	EA 2" Electrical Metallic Tubing (EMT) To Flexible Conduit Compression Adapter.....	41.71	10.98
	<i>For Work In Restricted Working Space, Add</i>	8.20	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	2.73	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	5.46	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	6.83	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	9.56	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	10.93	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	13.66	
	<i>For Elevated Installation &gt;40', Add</i>	15.03	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.20	
26 05 33 13-0740	<b>Intermediate Metal Conduit (IMC)</b> <small>(26 05 33 13-0059)</small>		
	Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33 13-0741	<b>Intermediate Metal Conduit (IMC) Conduit</b> <small>(26 05 33 13-0740)</small>		
	Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".		
26 05 33 13-0742	LF 1/2" Intermediate Metal Conduit (IMC) Conduit .....	9.90	2.82
	<i>For &gt;250 To 500, Deduct</i>	-0.13	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.19	
	<i>For &gt;1,000, Deduct</i>	-0.26	
	<i>For Installation In Metal Stud Wall, Add</i>	0.73	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	1.83	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.10	
	<i>For Work In Restricted Working Space, Add</i>	2.20	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.73	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.46	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	1.83	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	2.56	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	2.93	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	3.66	
	<i>For Elevated Installation &gt;40', Add</i>	4.03	
26 05 33 13-0743	LF 3/4" Intermediate Metal Conduit (IMC) Conduit .....	11.81	3.10
	<i>For &gt;250 To 500, Deduct</i>	-0.15	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.23	
	<i>For &gt;1,000, Deduct</i>	-0.31	
	<i>For Installation In Metal Stud Wall, Add</i>	0.87	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.18	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.31	
	<i>For Work In Restricted Working Space, Add</i>	2.62	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	0.87	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	1.75	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.18	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.06	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	3.49	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	4.37	
	<i>For Elevated Installation &gt;40', Add</i>	4.80	
26 05 33 13-0744	LF 1" Intermediate Metal Conduit (IMC) Conduit .....	15.73	3.38
	<i>For &gt;250 To 500, Deduct</i>	-0.24	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.36	
	<i>For &gt;1,000, Deduct</i>	-0.48	
	<i>For Installation In Metal Stud Wall, Add</i>	1.10	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	2.75	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.65	
	<i>For Work In Restricted Working Space, Add</i>	3.29	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.10	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.20	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	2.75	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	3.84	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.39	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	5.49	
	<i>For Elevated Installation &gt;40', Add</i>	6.04	
26 05 33 13-0745	LF 1-1/4" Intermediate Metal Conduit (IMC) Conduit .....	18.13	6.76
	<i>For &gt;250 To 500, Deduct</i>	-0.30	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.45	
	<i>For &gt;1,000, Deduct</i>	-0.60	
	<i>For Installation In Metal Stud Wall, Add</i>	1.21	
	<i>For Installation In Wood Stud Wall (Includes Drilling), Add</i>	3.03	
	<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.82	
	<i>For Work In Restricted Working Space, Add</i>	3.63	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	1.21	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	2.42	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	3.03	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	4.24	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	4.84	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	6.06	
	<i>For Elevated Installation &gt;40', Add</i>	6.66	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0746 LF 1-1/2" Intermediate Metal Conduit (IMC) Conduit .....	20.34	4.50
For >250 To 500, Deduct	-0.36	
For >500 To 1,000, Deduct	-0.53	
For >1,000, Deduct	-0.71	
For Installation In Metal Stud Wall, Add	1.32	
For Installation In Wood Stud Wall (Includes Drilling), Add	3.31	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	1.99	
For Work In Restricted Working Space, Add	3.97	
For Elevated Installation >10' To 15', Add	1.32	
For Elevated Installation >15' To 20', Add	2.65	
For Elevated Installation >20' To 25', Add	3.31	
For Elevated Installation >25' To 30', Add	4.63	
For Elevated Installation >30' To 35', Add	5.30	
For Elevated Installation >35' To 40', Add	6.62	
For Elevated Installation >40', Add	7.28	
26 05 33 13-0747 LF 2" Intermediate Metal Conduit (IMC) Conduit .....	25.70	5.07
For >250 To 500, Deduct	-0.48	
For >500 To 1,000, Deduct	-0.72	
For >1,000, Deduct	-0.96	
For Installation In Metal Stud Wall, Add	1.61	
For Installation In Wood Stud Wall (Includes Drilling), Add	4.02	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	2.41	
For Work In Restricted Working Space, Add	4.82	
For Elevated Installation >10' To 15', Add	1.61	
For Elevated Installation >15' To 20', Add	3.21	
For Elevated Installation >20' To 25', Add	4.02	
For Elevated Installation >25' To 30', Add	5.62	
For Elevated Installation >30' To 35', Add	6.42	
For Elevated Installation >35' To 40', Add	8.03	
For Elevated Installation >40', Add	8.83	
26 05 33 13-0748 LF 2-1/2" Intermediate Metal Conduit (IMC) Conduit .....	42.61	6.76
For >250 To 500, Deduct	-1.07	
For >500 To 1,000, Deduct	-1.60	
For >1,000, Deduct	-2.14	
For Installation In Metal Stud Wall, Add	2.13	
For Installation In Wood Stud Wall (Includes Drilling), Add	5.32	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	3.19	
For Work In Restricted Working Space, Add	6.38	
For Elevated Installation >10' To 15', Add	2.13	
For Elevated Installation >15' To 20', Add	4.25	
For Elevated Installation >20' To 25', Add	5.32	
For Elevated Installation >25' To 30', Add	7.44	
For Elevated Installation >30' To 35', Add	8.50	
For Elevated Installation >35' To 40', Add	10.63	
For Elevated Installation >40', Add	11.69	
26 05 33 13-0749 LF 3" Intermediate Metal Conduit (IMC) Conduit .....	54.45	8.45
For >250 To 500, Deduct	-1.31	
For >500 To 1,000, Deduct	-1.97	
For >1,000, Deduct	-2.63	
For Installation In Metal Stud Wall, Add	2.82	
For Installation In Wood Stud Wall (Includes Drilling), Add	7.04	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.22	
For Work In Restricted Working Space, Add	8.45	
For Elevated Installation >10' To 15', Add	2.82	
For Elevated Installation >15' To 20', Add	5.63	
For Elevated Installation >20' To 25', Add	7.04	
For Elevated Installation >25' To 30', Add	9.86	
For Elevated Installation >30' To 35', Add	11.26	
For Elevated Installation >35' To 40', Add	14.08	
For Elevated Installation >40', Add	15.49	
26 05 33 13-0750 LF 3-1/2" Intermediate Metal Conduit (IMC) Conduit .....	62.70	10.14
For >250 To 500, Deduct	-1.52	
For >500 To 1,000, Deduct	-2.28	
For >1,000, Deduct	-3.05	
For Installation In Metal Stud Wall, Add	3.23	
For Installation In Wood Stud Wall (Includes Drilling), Add	8.06	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	4.84	
For Work In Restricted Working Space, Add	9.68	
For Elevated Installation >10' To 15', Add	3.23	
For Elevated Installation >15' To 20', Add	6.45	
For Elevated Installation >20' To 25', Add	8.06	
For Elevated Installation >25' To 30', Add	11.29	
For Elevated Installation >30' To 35', Add	12.90	
For Elevated Installation >35' To 40', Add	16.13	
For Elevated Installation >40', Add	17.74	
26 05 33 13-0751 LF 4" Intermediate Metal Conduit (IMC) Conduit .....	73.43	11.83
For >250 To 500, Deduct	-1.79	
For >500 To 1,000, Deduct	-2.69	
For >1,000, Deduct	-3.58	
For Installation In Metal Stud Wall, Add	3.76	
For Installation In Wood Stud Wall (Includes Drilling), Add	9.40	
For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add	5.64	
For Work In Restricted Working Space, Add	11.28	
For Elevated Installation >10' To 15', Add	3.76	
For Elevated Installation >15' To 20', Add	7.52	
For Elevated Installation >20' To 25', Add	9.40	
For Elevated Installation >25' To 30', Add	13.16	
For Elevated Installation >30' To 35', Add	15.04	
For Elevated Installation >35' To 40', Add	18.80	
For Elevated Installation >40', Add	20.68	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0752	<b>Intermediate Metal Conduit (IMC) 90 Degree Elbows</b> <small>(26 05 33 13-0740)</small>		
	See CSI section 26 05 33 13-1712 for conduit field bending.		
26 05 33 13-0753	EA 1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	47.24	13.94
	For Work In Restricted Working Space, Add	10.49	
	For Elevated Installation >10' To 15', Add	3.50	
	For Elevated Installation >15' To 20', Add	6.99	
	For Elevated Installation >20' To 25', Add	8.74	
	For Elevated Installation >25' To 30', Add	12.24	
	For Elevated Installation >30' To 35', Add	13.98	
	For Elevated Installation >35' To 40', Add	17.48	
	For Elevated Installation >40', Add	19.23	
26 05 33 13-0754	EA 3/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	57.25	17.32
	For Work In Restricted Working Space, Add	13.04	
	For Elevated Installation >10' To 15', Add	4.35	
	For Elevated Installation >15' To 20', Add	8.69	
	For Elevated Installation >20' To 25', Add	10.87	
	For Elevated Installation >25' To 30', Add	15.21	
	For Elevated Installation >30' To 35', Add	17.39	
	For Elevated Installation >35' To 40', Add	21.74	
	For Elevated Installation >40', Add	23.91	
26 05 33 13-0755	EA 1" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	72.60	21.26
	For Work In Restricted Working Space, Add	15.90	
	For Elevated Installation >10' To 15', Add	5.30	
	For Elevated Installation >15' To 20', Add	10.60	
	For Elevated Installation >20' To 25', Add	13.25	
	For Elevated Installation >25' To 30', Add	18.55	
	For Elevated Installation >30' To 35', Add	21.20	
	For Elevated Installation >35' To 40', Add	26.51	
	For Elevated Installation >40', Add	29.16	
26 05 33 13-0756	EA 1-1/4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	89.03	24.64
	For Work In Restricted Working Space, Add	18.47	
	For Elevated Installation >10' To 15', Add	6.16	
	For Elevated Installation >15' To 20', Add	12.31	
	For Elevated Installation >20' To 25', Add	15.39	
	For Elevated Installation >25' To 30', Add	21.55	
	For Elevated Installation >30' To 35', Add	24.62	
	For Elevated Installation >35' To 40', Add	30.78	
	For Elevated Installation >40', Add	33.86	
26 05 33 13-0757	EA 1-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	105.39	28.30
	For Work In Restricted Working Space, Add	21.20	
	For Elevated Installation >10' To 15', Add	7.07	
	For Elevated Installation >15' To 20', Add	14.13	
	For Elevated Installation >20' To 25', Add	17.66	
	For Elevated Installation >25' To 30', Add	24.73	
	For Elevated Installation >30' To 35', Add	28.26	
	For Elevated Installation >35' To 40', Add	35.33	
	For Elevated Installation >40', Add	38.86	
26 05 33 13-0758	EA 2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	127.73	31.12
	For Work In Restricted Working Space, Add	23.32	
	For Elevated Installation >10' To 15', Add	7.77	
	For Elevated Installation >15' To 20', Add	15.54	
	For Elevated Installation >20' To 25', Add	19.43	
	For Elevated Installation >25' To 30', Add	27.20	
	For Elevated Installation >30' To 35', Add	31.09	
	For Elevated Installation >35' To 40', Add	38.86	
	For Elevated Installation >40', Add	42.75	
26 05 33 13-0759	EA 2-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	182.07	38.87
	For Work In Restricted Working Space, Add	29.15	
	For Elevated Installation >10' To 15', Add	9.72	
	For Elevated Installation >15' To 20', Add	19.43	
	For Elevated Installation >20' To 25', Add	24.29	
	For Elevated Installation >25' To 30', Add	34.01	
	For Elevated Installation >30' To 35', Add	38.86	
	For Elevated Installation >35' To 40', Add	48.58	
	For Elevated Installation >40', Add	53.44	
26 05 33 13-0760	EA 3" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	262.37	52.95
	For Work In Restricted Working Space, Add	39.71	
	For Elevated Installation >10' To 15', Add	13.24	
	For Elevated Installation >15' To 20', Add	26.47	
	For Elevated Installation >20' To 25', Add	33.09	
	For Elevated Installation >25' To 30', Add	46.33	
	For Elevated Installation >30' To 35', Add	52.95	
	For Elevated Installation >35' To 40', Add	66.19	
	For Elevated Installation >40', Add	72.80	
26 05 33 13-0761	EA 3-1/2" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	378.78	59.71
	For Work In Restricted Working Space, Add	44.79	
	For Elevated Installation >10' To 15', Add	14.93	
	For Elevated Installation >15' To 20', Add	29.86	
	For Elevated Installation >20' To 25', Add	37.32	
	For Elevated Installation >25' To 30', Add	52.25	
	For Elevated Installation >30' To 35', Add	59.72	
	For Elevated Installation >35' To 40', Add	74.65	
	For Elevated Installation >40', Add	82.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0762	EA		4" Intermediate Metal Conduit (IMC) 90 Degree Elbow .....	460.52	77.73
			<i>For Work In Restricted Working Space, Add</i>	58.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.43	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	48.58	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	68.01	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	77.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	97.15	
			<i>For Elevated Installation &gt;40', Add</i>	106.87	
<b>26 05 33 13-0763</b>			<b>Intermediate Metal Conduit (IMC) Bushing Sets With Locknut</b> (26 05 33 13-0740)		
26 05 33 13-0764	EA		1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	19.15	7.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-0765	EA		3/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	22.57	0.84
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-0766	EA		1" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	29.18	10.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-0767	EA		1-1/4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	35.62	12.96
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.72	
26 05 33 13-0768	EA		1-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	39.82	14.08
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-0769	EA		2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	51.24	17.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.10	
26 05 33 13-0770	EA		2-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	94.08	28.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0771	EA		3" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	116.82	38.30
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.73	
26 05 33 13-0772	EA		3-1/2" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	152.12	45.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.22	
26 05 33 13-0773	EA		4" Intermediate Metal Conduit (IMC) Bushing Set With Locknut .....	179.44	52.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	39.71	
<b>26 05 33 13-0774</b>			<b>Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fittings</b> (26 05 33 13-0740)		
			Note: 3-Piece coupling.		
26 05 33 13-0775	EA		1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	62.98	22.53
			<i>For Work In Restricted Working Space, Add</i>	16.92	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.64	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.28	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.74	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.56	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.20	
			<i>For Elevated Installation &gt;40', Add</i>	31.02	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.92	
26 05 33 13-0776	EA		3/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	71.42	25.21
			<i>For Work In Restricted Working Space, Add</i>	18.88	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.29	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.59	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.03	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.18	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.47	
			<i>For Elevated Installation &gt;40', Add</i>	34.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.88	
26 05 33 13-0777	EA		1" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	86.47	28.02
			<i>For Work In Restricted Working Space, Add</i>	21.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.06	
			<i>For Elevated Installation &gt;40', Add</i>	38.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.03	
26 05 33 13-0778	EA		1-1/4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	106.83	30.70
			<i>For Work In Restricted Working Space, Add</i>	23.02	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.67	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.35	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	26.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.69	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.37	
			<i>For Elevated Installation &gt;40', Add</i>	42.20	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.02	
26 05 33 13-0779	EA		1-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting .....	121.71	33.52
			<i>For Work In Restricted Working Space, Add</i>	25.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	20.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	41.97	
			<i>For Elevated Installation &gt;40', Add</i>	46.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.18	



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-0780	EA	2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	166.44	36.33
		<i>For Work In Restricted Working Space, Add</i>	27.27	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.09	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.18	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.73	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	31.82	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	36.36	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	45.45	
		<i>For Elevated Installation &gt;40', Add</i>	50.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.27	
26 05 33 13-0781	EA	2-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	274.25	45.07
		<i>For Work In Restricted Working Space, Add</i>	33.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
		<i>For Elevated Installation &gt;40', Add</i>	61.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 05 33 13-0782	EA	3" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	387.24	56.33
		<i>For Work In Restricted Working Space, Add</i>	42.25	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	14.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	28.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	35.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	49.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	56.33	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	70.41	
		<i>For Elevated Installation &gt;40', Add</i>	77.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.25	
26 05 33 13-0783	EA	3-1/2" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	564.94	67.59
		<i>For Work In Restricted Working Space, Add</i>	50.72	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	16.91	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	33.81	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	42.26	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	59.17	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	67.62	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	84.53	
		<i>For Elevated Installation &gt;40', Add</i>	92.98	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.72	
26 05 33 13-0784	EA	4" Intermediate Metal Conduit (IMC) Erickson Or "Kwik-Couple" Fitting.....	651.66	73.23
		<i>For Work In Restricted Working Space, Add</i>	54.92	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	18.31	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	36.61	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	45.76	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	64.07	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	73.22	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	91.53	
		<i>For Elevated Installation &gt;40', Add</i>	100.68	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.92	
<b>26 05 33 13-0785 Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connectors</b> <small>(26 05 33 13-0740)</small>				
26 05 33 13-0786	EA	1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	35.33	11.26
		<i>For Work In Restricted Working Space, Add</i>	8.45	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	11.26	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	14.08	
		<i>For Elevated Installation &gt;40', Add</i>	15.49	
26 05 33 13-0787	EA	3/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	39.46	12.40
		<i>For Work In Restricted Working Space, Add</i>	9.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	6.20	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	7.75	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	12.39	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	15.49	
		<i>For Elevated Installation &gt;40', Add</i>	17.04	
26 05 33 13-0788	EA	1" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector.....	45.31	14.08
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
		<i>For Elevated Installation &gt;40', Add</i>	19.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0789	EA		1-1/4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	51.35	15.21
			<i>For Work In Restricted Working Space, Add</i>	11.41	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.60	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	9.51	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	13.31	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	15.21	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	19.01	
			<i>For Elevated Installation &gt;40', Add</i>	20.91	
26 05 33 13-0790	EA		1-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	60.83	16.90
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	
26 05 33 13-0791	EA		2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	73.95	18.59
			<i>For Work In Restricted Working Space, Add</i>	13.94	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.62	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	18.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.24	
			<i>For Elevated Installation &gt;40', Add</i>	25.56	
26 05 33 13-0792	EA		2-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	100.36	22.53
			<i>For Work In Restricted Working Space, Add</i>	16.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
			<i>For Elevated Installation &gt;40', Add</i>	30.98	
26 05 33 13-0793	EA		3" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	124.14	28.16
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
26 05 33 13-0794	EA		3-1/2" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	149.13	33.80
			<i>For Work In Restricted Working Space, Add</i>	25.35	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
			<i>For Elevated Installation &gt;40', Add</i>	46.47	
26 05 33 13-0795	EA		4" Rigid Galvanized Steel (RGS) Or Intermediate Metal Conduit (IMC) To Electrical Metallic Tubing (EMT) Connector	168.28	36.61
			<i>For Work In Restricted Working Space, Add</i>	27.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.77	
			<i>For Elevated Installation &gt;40', Add</i>	50.34	
26 05 33 13-0796			<b>Intermediate Metal Conduit (IMC) Rain Tight Threaded Hubs</b> <small>(26 05 33 13-0740)</small>		
26 05 33 13-0797	EA		1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub	31.16	11.26
			<i>For Work In Restricted Working Space, Add</i>	8.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.82	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	5.63	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.04	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	9.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	11.27	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	14.09	
			<i>For Elevated Installation &gt;40', Add</i>	15.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.45	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0798	EA	3/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	39.69	14.08
			<i>For Work In Restricted Working Space, Add</i>	10.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-0799	EA	1" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	48.88	16.90
			<i>For Work In Restricted Working Space, Add</i>	12.68	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.23	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.79	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.90	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.13	
			<i>For Elevated Installation &gt;40', Add</i>	23.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.68	
26 05 33	13-0800	EA	1-1/4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	58.67	19.72
			<i>For Work In Restricted Working Space, Add</i>	14.79	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.93	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.86	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	12.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	17.26	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.72	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	24.65	
			<i>For Elevated Installation &gt;40', Add</i>	27.12	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
26 05 33	13-0801	EA	1-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	68.41	22.53
			<i>For Work In Restricted Working Space, Add</i>	16.90	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.63	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	11.27	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	14.08	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	19.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	22.53	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	28.17	
			<i>For Elevated Installation &gt;40', Add</i>	30.98	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.90	
26 05 33	13-0802	EA	2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	80.81	25.35
			<i>For Work In Restricted Working Space, Add</i>	19.01	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.34	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.67	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.84	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	22.18	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	25.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	31.68	
			<i>For Elevated Installation &gt;40', Add</i>	34.85	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.01	
26 05 33	13-0803	EA	2-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	99.66	28.16
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
			<i>For Elevated Installation &gt;40', Add</i>	38.73	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33	13-0804	EA	3" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	116.84	30.98
			<i>For Work In Restricted Working Space, Add</i>	23.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
			<i>For Elevated Installation &gt;40', Add</i>	42.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33	13-0805	EA	3-1/2" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub .....	142.59	36.61
			<i>For Work In Restricted Working Space, Add</i>	27.46	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.31	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	32.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.77	
			<i>For Elevated Installation &gt;40', Add</i>	50.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.46	
26 05 33	13-0806	EA	4" Intermediate Metal Conduit (IMC) Rain Tight Threaded Hub.....	163.00	39.43
			<i>For Work In Restricted Working Space, Add</i>	29.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.71	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.64	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.29	
			<i>For Elevated Installation &gt;40', Add</i>	54.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.57	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 13-0807 Intermediate Metal Conduit (IMC) Expansion Fittings (26 05 33 13-0740)</b>			
26 05 33 13-0808	EA 1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	185.61	22.53
	For Work In Restricted Working Space, Add	16.90	
	For Elevated Installation >10' To 15', Add	5.63	
	For Elevated Installation >15' To 20', Add	11.27	
	For Elevated Installation >20' To 25', Add	14.09	
	For Elevated Installation >25' To 30', Add	19.72	
	For Elevated Installation >30' To 35', Add	22.54	
	For Elevated Installation >35' To 40', Add	28.17	
	For Elevated Installation >40', Add	30.99	
26 05 33 13-0809	EA 3/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	205.57	25.35
	For Work In Restricted Working Space, Add	19.01	
	For Elevated Installation >10' To 15', Add	6.34	
	For Elevated Installation >15' To 20', Add	12.67	
	For Elevated Installation >20' To 25', Add	15.84	
	For Elevated Installation >25' To 30', Add	22.18	
	For Elevated Installation >30' To 35', Add	25.35	
	For Elevated Installation >35' To 40', Add	31.69	
	For Elevated Installation >40', Add	34.85	
26 05 33 13-0810	EA 1" Intermediate Metal Conduit (IMC) Expansion Fitting .....	228.45	28.16
	For Work In Restricted Working Space, Add	21.13	
	For Elevated Installation >10' To 15', Add	7.04	
	For Elevated Installation >15' To 20', Add	14.08	
	For Elevated Installation >20' To 25', Add	17.61	
	For Elevated Installation >25' To 30', Add	24.65	
	For Elevated Installation >30' To 35', Add	28.17	
	For Elevated Installation >35' To 40', Add	35.21	
	For Elevated Installation >40', Add	38.73	
26 05 33 13-0811	EA 1-1/4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	274.60	30.98
	For Work In Restricted Working Space, Add	23.24	
	For Elevated Installation >10' To 15', Add	7.75	
	For Elevated Installation >15' To 20', Add	15.49	
	For Elevated Installation >20' To 25', Add	19.37	
	For Elevated Installation >25' To 30', Add	27.11	
	For Elevated Installation >30' To 35', Add	30.98	
	For Elevated Installation >35' To 40', Add	38.73	
	For Elevated Installation >40', Add	42.60	
26 05 33 13-0812	EA 1-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	334.55	33.80
	For Work In Restricted Working Space, Add	25.35	
	For Elevated Installation >10' To 15', Add	8.45	
	For Elevated Installation >15' To 20', Add	16.90	
	For Elevated Installation >20' To 25', Add	21.12	
	For Elevated Installation >25' To 30', Add	29.57	
	For Elevated Installation >30' To 35', Add	33.80	
	For Elevated Installation >35' To 40', Add	42.25	
	For Elevated Installation >40', Add	46.47	
26 05 33 13-0813	EA 2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	436.35	36.61
	For Work In Restricted Working Space, Add	27.46	
	For Elevated Installation >10' To 15', Add	9.15	
	For Elevated Installation >15' To 20', Add	18.30	
	For Elevated Installation >20' To 25', Add	22.88	
	For Elevated Installation >25' To 30', Add	32.03	
	For Elevated Installation >30' To 35', Add	36.61	
	For Elevated Installation >35' To 40', Add	45.76	
	For Elevated Installation >40', Add	50.34	
26 05 33 13-0814	EA 2-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	654.30	45.07
	For Work In Restricted Working Space, Add	33.80	
	For Elevated Installation >10' To 15', Add	11.27	
	For Elevated Installation >15' To 20', Add	22.53	
	For Elevated Installation >20' To 25', Add	28.17	
	For Elevated Installation >25' To 30', Add	39.43	
	For Elevated Installation >30' To 35', Add	45.06	
	For Elevated Installation >35' To 40', Add	56.33	
	For Elevated Installation >40', Add	61.96	
26 05 33 13-0815	EA 3" Intermediate Metal Conduit (IMC) Expansion Fitting .....	787.58	56.33
	For Work In Restricted Working Space, Add	42.25	
	For Elevated Installation >10' To 15', Add	14.08	
	For Elevated Installation >15' To 20', Add	28.16	
	For Elevated Installation >20' To 25', Add	35.21	
	For Elevated Installation >25' To 30', Add	49.29	
	For Elevated Installation >30' To 35', Add	56.33	
	For Elevated Installation >35' To 40', Add	70.41	
	For Elevated Installation >40', Add	77.45	
26 05 33 13-0816	EA 3-1/2" Intermediate Metal Conduit (IMC) Expansion Fitting .....	1,092.97	67.59
	For Work In Restricted Working Space, Add	50.70	
	For Elevated Installation >10' To 15', Add	16.90	
	For Elevated Installation >15' To 20', Add	33.80	
	For Elevated Installation >20' To 25', Add	42.25	
	For Elevated Installation >25' To 30', Add	59.15	
	For Elevated Installation >30' To 35', Add	67.60	
	For Elevated Installation >35' To 40', Add	84.51	
	For Elevated Installation >40', Add	92.96	
26 05 33 13-0817	EA 4" Intermediate Metal Conduit (IMC) Expansion Fitting .....	1,261.81	73.23
	For Work In Restricted Working Space, Add	54.92	
	For Elevated Installation >10' To 15', Add	18.31	
	For Elevated Installation >15' To 20', Add	36.61	
	For Elevated Installation >20' To 25', Add	45.76	
	For Elevated Installation >25' To 30', Add	64.07	
	For Elevated Installation >30' To 35', Add	73.22	
	For Elevated Installation >35' To 40', Add	91.53	
	For Elevated Installation >40', Add	100.68	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-0818		Intermediate Metal Conduit (IMC) Sealing Fittings, Vertical/Horizontal <small>(26 05 33 13-0740)</small>		
26 05 33 13-0819	EA	1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	120.15	35.21
		<i>For Work In Restricted Working Space, Add</i>	21.12	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
		<i>For Elevated Installation &gt;40', Add</i>	38.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-0820	EA	3/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	142.91	42.25
		<i>For Work In Restricted Working Space, Add</i>	25.35	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.45	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	16.90	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.12	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	29.57	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	33.80	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	42.25	
		<i>For Elevated Installation &gt;40', Add</i>	46.47	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.35	
26 05 33 13-0821	EA	1" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	173.66	49.29
		<i>For Work In Restricted Working Space, Add</i>	29.57	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.86	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.65	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.50	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	39.43	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	49.29	
		<i>For Elevated Installation &gt;40', Add</i>	54.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.57	
26 05 33 13-0822	EA	1-1/4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	203.84	56.33
		<i>For Work In Restricted Working Space, Add</i>	33.80	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
		<i>For Elevated Installation &gt;40', Add</i>	61.96	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 05 33 13-0823	EA	1-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	264.01	63.37
		<i>For Work In Restricted Working Space, Add</i>	38.02	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.67	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	25.35	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	31.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	44.36	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	50.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	63.37	
		<i>For Elevated Installation &gt;40', Add</i>	69.71	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.02	
26 05 33 13-0824	EA	2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	318.67	70.41
		<i>For Work In Restricted Working Space, Add</i>	42.25	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	14.08	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	28.16	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	35.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	49.29	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	56.33	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	70.41	
		<i>For Elevated Installation &gt;40', Add</i>	77.45	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.25	
26 05 33 13-0825	EA	2-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	445.32	84.49
		<i>For Work In Restricted Working Space, Add</i>	50.70	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	16.90	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	33.80	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	42.25	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	59.15	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	67.60	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	84.50	
		<i>For Elevated Installation &gt;40', Add</i>	92.94	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.70	
26 05 33 13-0826	EA	3" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal	534.69	98.58
		<i>For Work In Restricted Working Space, Add</i>	59.15	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	19.72	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	39.43	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	49.29	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	69.00	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	78.86	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	98.58	
		<i>For Elevated Installation &gt;40', Add</i>	108.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.15	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0827	EA		3-1/2" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	1,198.82	112.66
			<i>For Work In Restricted Working Space, Add</i>	67.60	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	22.53	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	45.06	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	56.33	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	78.86	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	90.13	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	112.66	
			<i>For Elevated Installation &gt;40', Add</i>	123.93	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.60	
26 05 33 13-0828	EA		4" Intermediate Metal Conduit (IMC) Sealing Fitting, Vertical/Horizontal.....	1,380.16	126.74
			<i>For Work In Restricted Working Space, Add</i>	76.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	63.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	88.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	101.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	126.74	
			<i>For Elevated Installation &gt;40', Add</i>	139.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.04	
<b>26 05 33 13-0829</b>			<b>Intermediate Metal Conduit (IMC) Threaded Couplings</b> <small>(26 05 33 13-0740)</small>		
26 05 33 13-0830	EA		1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	18.59	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	1.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	3.38	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	4.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	5.91	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	6.76	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	8.45	
			<i>For Elevated Installation &gt;40', Add</i>	9.29	
26 05 33 13-0831	EA		3/4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	26.01	9.58
			<i>For Work In Restricted Working Space, Add</i>	7.19	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	2.40	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	4.79	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	5.99	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	8.38	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	9.58	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	11.98	
			<i>For Elevated Installation &gt;40', Add</i>	13.17	
26 05 33 13-0832	EA		1" Intermediate Metal Conduit (IMC) Threaded Coupling.....	34.03	12.40
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.10	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	6.19	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	7.74	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	10.84	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	12.38	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	15.48	
			<i>For Elevated Installation &gt;40', Add</i>	17.03	
26 05 33 13-0833	EA		1-1/4" Intermediate Metal Conduit (IMC) Threaded Coupling.....	39.06	14.08
			<i>For Work In Restricted Working Space, Add</i>	10.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	8.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	12.33	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	14.09	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
			<i>For Elevated Installation &gt;40', Add</i>	19.37	
26 05 33 13-0834	EA		1-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	47.08	16.90
			<i>For Work In Restricted Working Space, Add</i>	12.67	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.22	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	8.45	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	10.56	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	14.78	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	16.89	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	21.12	
			<i>For Elevated Installation &gt;40', Add</i>	23.23	
26 05 33 13-0835	EA		2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	54.27	19.15
			<i>For Work In Restricted Working Space, Add</i>	14.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	4.79	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	9.58	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	11.97	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	16.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	19.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	23.95	
			<i>For Elevated Installation &gt;40', Add</i>	26.34	
26 05 33 13-0836	EA		2-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling.....	67.64	21.40
			<i>For Work In Restricted Working Space, Add</i>	16.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	5.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	10.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	13.38	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	18.73	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	21.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	26.75	
			<i>For Elevated Installation &gt;40', Add</i>	29.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-0837	EA	3" Intermediate Metal Conduit (IMC) Threaded Coupling .....	79.87	24.22
			<i>For Work In Restricted Working Space, Add</i>	18.17	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.06	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	12.11	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	15.14	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	21.20	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	24.22	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	30.28	
			<i>For Elevated Installation &gt;40', Add</i>	33.31	
26 05 33	13-0838	EA	3-1/2" Intermediate Metal Conduit (IMC) Threaded Coupling .....	92.02	26.48
			<i>For Work In Restricted Working Space, Add</i>	19.86	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.24	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.55	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.17	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	26.48	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.11	
			<i>For Elevated Installation &gt;40', Add</i>	36.42	
26 05 33	13-0839	EA	4" Intermediate Metal Conduit (IMC) Threaded Coupling .....	96.41	28.16
			<i>For Work In Restricted Working Space, Add</i>	21.12	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	35.20	
			<i>For Elevated Installation &gt;40', Add</i>	38.71	
26 05 33	13-0840		<b>Intermediate Metal Conduit (IMC) Reducer Bushings</b> <small>(26 05 33 13-0740)</small>		
26 05 33	13-0841	EA	1/2" To 3/4" Intermediate Metal Conduit (IMC) Reducing Bushing .....	8.94	2.82
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
			<i>For Elevated Installation &gt;40', Add</i>	3.87	
26 05 33	13-0842	EA	3/4" To 1" Intermediate Metal Conduit (IMC) Reducing Bushing .....	10.03	2.82
			<i>For Work In Restricted Working Space, Add</i>	2.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	0.70	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	1.41	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	1.76	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	2.46	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	2.82	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	3.52	
			<i>For Elevated Installation &gt;40', Add</i>	3.87	
26 05 33	13-0843		<b>Aluminum Rigid Conduit (ARC)</b> <small>(26 05 33 13-0059)</small>		
			Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
26 05 33	13-0844		<b>Aluminum Rigid Conduit (ARC) With Threaded Coupling</b> <small>(26 05 33 13-0843)</small>		
			Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".		
26 05 33	13-0845	LF	1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	8.15	2.82
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.06	
			<i>For Work In Restricted Working Space, Add</i>	2.11	
26 05 33	13-0846	LF	3/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	9.23	3.10
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.16	
			<i>For Work In Restricted Working Space, Add</i>	2.32	
26 05 33	13-0847	LF	1" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	10.56	3.38
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.27	
			<i>For Work In Restricted Working Space, Add</i>	2.54	
26 05 33	13-0848	LF	1-1/4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	11.93	3.66
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.37	
			<i>For Work In Restricted Working Space, Add</i>	2.75	
26 05 33	13-0849	LF	1-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	13.30	3.94
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.48	
			<i>For Work In Restricted Working Space, Add</i>	2.96	
26 05 33	13-0850	LF	2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	15.86	4.50
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.69	
			<i>For Work In Restricted Working Space, Add</i>	3.38	
26 05 33	13-0851	LF	2-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	21.34	5.64
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.11	
			<i>For Work In Restricted Working Space, Add</i>	4.22	
26 05 33	13-0852	LF	3" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	26.44	6.76
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.54	
			<i>For Work In Restricted Working Space, Add</i>	5.07	
26 05 33	13-0853	LF	3-1/2" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	32.57	8.45
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	3.17	
			<i>For Work In Restricted Working Space, Add</i>	6.34	
26 05 33	13-0854	LF	4" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	40.32	10.70
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	4.01	
			<i>For Work In Restricted Working Space, Add</i>	8.03	
26 05 33	13-0855	LF	5" Aluminum Rigid Conduit (ARC) With Threaded Coupling.....	53.21	13.52
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	5.07	
			<i>For Work In Restricted Working Space, Add</i>	10.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0856	LF		6" Aluminum Rigid Conduit (ARC) With Threaded Coupling..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	67.80 6.34 12.68	16.90
<b>26 05 33 13-0857</b>			<b>Aluminum 90 Degree Elbows</b> (26 05 33 13-0843)		
26 05 33 13-0858	EA		1" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	48.43 10.98	14.64
26 05 33 13-0859	EA		1-1/4" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	60.32 12.46	16.62
26 05 33 13-0860	EA		1-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	72.87 14.36	19.15
26 05 33 13-0861	EA		2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	91.72 16.48	21.97
26 05 33 13-0862	EA		2-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	128.90 20.07	26.76
26 05 33 13-0863	EA		3" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	182.39 25.98	34.64
26 05 33 13-0864	EA		3-1/2" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	246.56 29.15	38.87
26 05 33 13-0865	EA		4" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	298.94 36.54	48.73
26 05 33 13-0866	EA		5" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	722.30 59.57	79.43
26 05 33 13-0867	EA		6" Aluminum 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,023.17 89.56	119.42
<b>26 05 33 13-0868</b>			<b>Aluminum Bushing Set With Locknut</b> (26 05 33 13-0843)		
26 05 33 13-0869	EA		1/2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.98 4.22 4.22	5.64
26 05 33 13-0870	EA		3/4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.92 5.49 5.49	7.32
26 05 33 13-0871	EA		1" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.11 6.76 6.76	9.02
26 05 33 13-0872	EA		1-1/4" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.00 7.61 7.61	10.14
26 05 33 13-0873	EA		1-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.81 9.29 9.29	12.40
26 05 33 13-0874	EA		2" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.69 11.20 11.20	14.92
26 05 33 13-0875	EA		2-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.16 13.31 13.31	17.74
26 05 33 13-0876	EA		3" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.84 15.21 15.21	20.28
26 05 33 13-0877	EA		3-1/2" Aluminum Bushing Set With Locknut ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.34 16.48 16.48	21.97
26 05 33 13-0878	EA		4" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.45 17.75 17.75	23.66
26 05 33 13-0879	EA		5" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	85.50 23.66 23.66	31.54
26 05 33 13-0880	EA		6" Aluminum Bushing Set With Locknut..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	127.40 35.49 35.49	47.32
<b>26 05 33 13-0881</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit</b> (26 05 33 13-0059) Note: Exposed installation, branch and feeder conduit. Excludes supporting strap, hanger and fastening.		
<b>26 05 33 13-0882</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Glued Couplings</b> (26 05 33 13-0881) Note: Includes field bending conduit up to and including 1". See CSI section 26 05 33 13-1722 for field bending >1".		
26 05 33 13-0883	LF		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	6.55 0.53 0.91	2.20
26 05 33 13-0884	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	7.44 0.65 1.09	2.42
26 05 33 13-0885	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	9.14 0.87 1.43	2.83
26 05 33 13-0886	LF		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	10.85 1.09 1.78	3.24
26 05 33 13-0887	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End ..... <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	12.74 1.30 2.10	3.77

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0888	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	15.14	4.31
			<i>For Schedule 60, Add</i>	1.63	
			<i>For Schedule 80, Add</i>	2.60	
26 05 33 13-0889	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	19.76	5.12
			<i>For Schedule 60, Add</i>	2.38	
			<i>For Schedule 80, Add</i>	3.72	
26 05 33 13-0890	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	23.11	5.93
			<i>For Schedule 60, Add</i>	2.81	
			<i>For Schedule 80, Add</i>	4.38	
26 05 33 13-0891	LF		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	28.11	7.00
			<i>For Schedule 60, Add</i>	3.53	
			<i>For Schedule 80, Add</i>	5.46	
26 05 33 13-0892	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	33.20	8.62
			<i>For Schedule 60, Add</i>	3.99	
			<i>For Schedule 80, Add</i>	6.23	
26 05 33 13-0893	LF		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	47.28	12.12
			<i>For Schedule 60, Add</i>	5.76	
			<i>For Schedule 80, Add</i>	8.97	
26 05 33 13-0894	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End .....	62.82	16.16
			<i>For Schedule 60, Add</i>	7.62	
			<i>For Schedule 80, Add</i>	11.88	
<b>26 05 33 13-0895</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows</b> <small>(26 05 33 13-0881)</small>		
			See CSI section 26 05 33 13-1722 for conduit field bending.		
26 05 33 13-0896	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	28.38	10.78
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	1.71	
			<i>For Schedule 80, Add</i>	3.20	
26 05 33 13-0897	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	31.37	11.85
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	1.91	
			<i>For Schedule 80, Add</i>	3.57	
26 05 33 13-0898	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	36.38	13.47
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	2.36	
			<i>For Schedule 80, Add</i>	4.31	
26 05 33 13-0899	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	47.01	17.24
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	3.13	
			<i>For Schedule 80, Add</i>	5.68	
26 05 33 13-0900	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	59.18	21.55
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	4.02	
			<i>For Schedule 80, Add</i>	7.24	
26 05 33 13-0901	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	74.67	26.94
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	5.20	
			<i>For Schedule 80, Add</i>	9.30	
26 05 33 13-0902	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	93.75	32.33
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	7.27	
			<i>For Schedule 80, Add</i>	12.61	
26 05 33 13-0903	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	115.39	37.72
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	9.99	
			<i>For Schedule 80, Add</i>	16.81	
26 05 33 13-0904	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	143.82	45.80
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	13.06	
			<i>For Schedule 80, Add</i>	21.71	
26 05 33 13-0905	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	172.43	53.89
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	16.17	
			<i>For Schedule 80, Add</i>	26.67	
26 05 33 13-0906	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	234.93	67.35
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	25.05	
			<i>For Schedule 80, Add</i>	40.13	
26 05 33 13-0907	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow .....	286.88	80.82
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	31.31	
			<i>For Schedule 80, Add</i>	49.89	
<b>26 05 33 13-0908</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows</b> <small>(26 05 33 13-0881)</small>		
			See CSI section 26 05 33 13-1722 for conduit field bending.		
26 05 33 13-0909	EA		1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow .....	28.38	10.78
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	1.71	
			<i>For Schedule 80, Add</i>	3.20	
26 05 33 13-0910	EA		3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow .....	31.27	11.85
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	1.89	
			<i>For Schedule 80, Add</i>	3.53	
26 05 33 13-0911	EA		1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow .....	36.24	13.47
			See CSI section 26 05 33 13-1722 for conduit field bending.		
			<i>For Schedule 60, Add</i>	2.32	
			<i>For Schedule 80, Add</i>	4.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0912	EA		1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	46.59 3.03 5.53	17.24
26 05 33 13-0913	EA		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	58.24 3.78 6.91	21.55
26 05 33 13-0914	EA		2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	74.17 5.07 9.12	26.94
26 05 33 13-0915	EA		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	92.81 7.04 12.28	32.33
26 05 33 13-0916	EA		3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	114.21 9.69 16.40	37.72
26 05 33 13-0917	EA		3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	140.50 12.23 20.55	45.80
26 05 33 13-0918	EA		4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	169.57 15.45 25.67	53.89
26 05 33 13-0919	EA		5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	231.23 24.13 38.83	67.35
26 05 33 13-0920	EA		6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow..... See CSI section 26 05 33 13-1722 for conduit field bending. <i>For Schedule 60, Add</i> <i>For Schedule 80, Add</i>	275.85 28.55 46.03	80.82
<b>26 05 33 13-0921 Schedule 40 Polyvinyl Chloride (PVC) Conduit 18" Large Radius Elbow (26 05 33 13-0881)</b>					
26 05 33 13-0922	EA		1" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	103.73 18.91	34.78
26 05 33 13-0923	EA		1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	121.41 22.36	40.27
26 05 33 13-0924	EA		1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	137.50 25.24	45.77
26 05 33 13-0925	EA		2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	162.28 31.63	50.34
26 05 33 13-0926	EA		2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	212.54 42.81	63.16
26 05 33 13-0927	EA		3" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	278.62 54.49	86.05
26 05 33 13-0928	EA		3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	333.71 68.28	97.03
26 05 33 13-0929	EA		4" Schedule 40, Polyvinyl Chloride (PVC), 18" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	402.41 77.68	126.32
<b>26 05 33 13-0930 Schedule 40 Polyvinyl Chloride (PVC) Conduit 24" Large Radius Elbow (26 05 33 13-0881)</b>					
26 05 33 13-0931	EA		1" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	110.00 21.11	34.78
26 05 33 13-0932	EA		1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	136.51 27.64	40.27
26 05 33 13-0933	EA		1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	159.11 32.81	45.77
26 05 33 13-0934	EA		2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	172.98 35.37	50.34
26 05 33 13-0935	EA		2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	245.50 54.35	63.16
26 05 33 13-0936	EA		3" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	326.56 71.27	86.05
26 05 33 13-0937	EA		3-1/2" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	363.22 78.61	97.03
26 05 33 13-0938	EA		4" Schedule 40, Polyvinyl Chloride (PVC), 24" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	438.14 90.19	126.32
<b>26 05 33 13-0939 Schedule 40 Polyvinyl Chloride (PVC) Conduit 30" Large Radius Elbow (26 05 33 13-0881)</b>					
26 05 33 13-0940	EA		1" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	126.91 27.03	34.78
26 05 33 13-0941	EA		1-1/4" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	143.59 30.12	40.27
26 05 33 13-0942	EA		1-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	163.27 34.26	45.77
26 05 33 13-0943	EA		2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	193.15 42.43	50.34
26 05 33 13-0944	EA		2-1/2" Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow ..... <i>For Schedule 80, Add</i>	257.79 58.65	63.16



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0945	EA	3"	Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	336.87 74.88	86.05
26 05 33 13-0946	EA	3-1/2"	Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	402.51 92.36	97.03
26 05 33 13-0947	EA	4"	Schedule 40, Polyvinyl Chloride (PVC), 30" Large Radius Elbow <i>For Schedule 80, Add</i>	473.42 102.54	126.32
<b>26 05 33 13-0948</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 36" Large Radius Elbow</b> <small>(26 05 33 13-0881)</small>		
26 05 33 13-0949	EA	1"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	130.37 28.24	34.78
26 05 33 13-0950	EA	1-1/4"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	164.56 37.46	40.27
26 05 33 13-0951	EA	1-1/2"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	179.90 40.08	45.77
26 05 33 13-0952	EA	2"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	193.90 42.69	50.34
26 05 33 13-0953	EA	2-1/2"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	284.83 68.17	63.16
26 05 33 13-0954	EA	3"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	397.48 96.10	86.05
26 05 33 13-0955	EA	3-1/2"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	457.71 111.68	97.03
26 05 33 13-0956	EA	4"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	538.79 125.42	126.32
26 05 33 13-0957	EA	5"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	863.27 199.17	205.61
26 05 33 13-0958	EA	6"	Schedule 40, Polyvinyl Chloride (PVC), 36" Large Radius Elbow <i>For Schedule 80, Add</i>	1,266.20 288.48	309.81
<b>26 05 33 13-0959</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 48" Large Radius Elbow</b> <small>(26 05 33 13-0881)</small>		
26 05 33 13-0960	EA	1"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	143.63 32.88	34.78
26 05 33 13-0961	EA	1-1/4"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	168.11 38.70	40.27
26 05 33 13-0962	EA	1-1/2"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	190.57 43.82	45.77
26 05 33 13-0963	EA	2"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	230.76 55.59	50.34
26 05 33 13-0964	EA	2-1/2"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	311.23 77.35	63.16
26 05 33 13-0965	EA	3"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	440.83 111.27	86.05
26 05 33 13-0966	EA	3-1/2"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	499.16 126.19	97.03
26 05 33 13-0967	EA	4"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	610.73 150.60	126.32
26 05 33 13-0968	EA	5"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	905.36 213.90	205.61
26 05 33 13-0969	EA	6"	Schedule 40, Polyvinyl Chloride (PVC), 48" Large Radius Elbow <i>For Schedule 80, Add</i>	1,300.29 300.41	309.81
<b>26 05 33 13-0970</b>			<b>Polyvinyl Chloride (PVC) Conduit Female Adapters</b> <small>(26 05 33 13-0881)</small>		
26 05 33 13-0971	EA	1/2"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.52 5.66	7.55
26 05 33 13-0972	EA	3/4"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.45 6.47	8.62
26 05 33 13-0973	EA	1"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.49 7.28	9.70
26 05 33 13-0974	EA	1-1/4"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.65 8.08	10.78
26 05 33 13-0975	EA	1-1/2"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.54 10.10	13.47
26 05 33 13-0976	EA	2"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.07 12.12	16.16
26 05 33 13-0977	EA	2-1/2"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.77 16.17	21.55
26 05 33 13-0978	EA	3"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99 20.21	26.94
26 05 33 13-0979	EA	3-1/2"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.99 26.27	35.02
26 05 33 13-0980	EA	4"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	116.59 32.33	43.11
26 05 33 13-0981	EA	5"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.53 40.41	53.89
26 05 33 13-0982	EA	6"	Polyvinyl Chloride (PVC) Conduit Female Adapter <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	189.90 50.52	67.35
<b>26 05 33 13-0983</b>			<b>Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug</b> <small>(26 05 33 13-0881)</small>		
26 05 33 13-0984	EA	1/2"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.55 4.85	6.46
26 05 33 13-0985	EA	3/4"	Polyvinyl Chloride (PVC) Conduit Bell End And Plug <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.64 5.66	7.55

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-0986	EA		1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75 6.47	8.62
26 05 33 13-0987	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.76 7.28	9.70
26 05 33 13-0988	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.50 8.08	10.78
26 05 33 13-0989	EA		2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.56 9.29	12.39
26 05 33 13-0990	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.82 10.51	14.01
26 05 33 13-0991	EA		3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.42 12.12	16.16
26 05 33 13-0992	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	65.51 14.14	18.86
26 05 33 13-0993	EA		4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.66 16.17	21.55
26 05 33 13-0994	EA		5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	90.44 18.19	24.25
26 05 33 13-0995	EA		6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.58 20.21	26.94
<b>26 05 33 13-0996 Polyvinyl Chloride (PVC) Conduit Terminal Adapters (26 05 33 13-0986)</b>					
26 05 33 13-0997	EA		1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.27 6.22	
26 05 33 13-0998	EA		3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.74 7.45	
26 05 33 13-0999	EA		1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.67 8.27	
26 05 33 13-1000	EA		1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.17 9.22	
26 05 33 13-1001	EA		1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.31 10.10	13.47
26 05 33 13-1002	EA		2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.75 12.12	16.16
26 05 33 13-1003	EA		2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	58.14 16.17	21.55
26 05 33 13-1004	EA		3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.11 20.21	26.94
26 05 33 13-1005	EA		3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.86 26.27	35.02
26 05 33 13-1006	EA		4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.43 32.33	43.11
26 05 33 13-1007	EA		5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	150.25 40.41	53.89
26 05 33 13-1008	EA		6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	187.16 50.52	67.35
<b>26 05 33 13-1009 Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover (26 05 33 13-0986)</b>					
26 05 33 13-1010	EA		1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.05 16.17	21.55
26 05 33 13-1011	EA		3/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.34 18.19	24.25
26 05 33 13-1012	EA		1" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	77.01 20.21	26.94
26 05 33 13-1013	EA		1-1/4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	94.61 24.25	32.33
26 05 33 13-1014	EA		1-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.18 30.31	40.41
26 05 33 13-1015	EA		2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	149.86 36.37	48.50
26 05 33 13-1016	EA		2-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	241.99 40.41	53.89
26 05 33 13-1017	EA		3" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	259.20 44.45	59.27
26 05 33 13-1018	EA		3-1/2" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	283.14 50.52	67.35
26 05 33 13-1019	EA		4" Polyvinyl Chloride (PVC) Type C, LB, LR Or LL, Two Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.58 58.60	78.13
<b>26 05 33 13-1020 Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover (26 05 33 13-0986)</b>					
26 05 33 13-1021	EA		1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.61 21.12	28.16
26 05 33 13-1022	EA		3/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.74 23.24	30.98
26 05 33 13-1023	EA		1" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.02 25.35	33.80
26 05 33 13-1024	EA		1-1/4" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.58 29.57	39.43
26 05 33 13-1025	EA		1-1/2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	142.14 35.91	47.88
26 05 33 13-1026	EA		2" Polyvinyl Chloride (PVC) Type T, Three Hub Conduit Body With Cover ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.64 42.25	56.33

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 05 33 13-1027		<b>Polyvinyl Chloride (PVC) Conduit Expansion Joint</b> (26 05 33 13-0881)			
26 05 33 13-1028	EA	1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	119.96		26.94
26 05 33 13-1029	EA	3/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	134.76		32.33
26 05 33 13-1030	EA	1" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	150.37		37.72
26 05 33 13-1031	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	165.19		43.11
26 05 33 13-1032	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	179.67		48.50
26 05 33 13-1033	EA	2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	196.70		53.89
26 05 33 13-1034	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	238.72		61.96
26 05 33 13-1035	EA	3" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	283.87		70.05
26 05 33 13-1036	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	331.68		80.82
26 05 33 13-1037	EA	4" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	393.66		94.30
26 05 33 13-1038	EA	5" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	514.84		113.16
26 05 33 13-1039	EA	6" Polyvinyl Chloride (PVC) Conduit Expansion Joint.....	675.32		145.48
26 05 33 13-1040		<b>Polyvinyl Chloride (PVC) Conduit End Caps</b> (26 05 33 13-0881)			
26 05 33 13-1041	EA	1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	16.24		5.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.04</i>		
26 05 33 13-1042	EA	3/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	19.24		6.46
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>4.85</i>		
26 05 33 13-1043	EA	1" Polyvinyl Chloride (PVC) Conduit End Cap.....	22.19		7.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>5.66</i>		
26 05 33 13-1044	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit End Cap.....	26.34		8.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>6.47</i>		
26 05 33 13-1045	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	30.55		9.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>7.28</i>		
26 05 33 13-1046	EA	2" Polyvinyl Chloride (PVC) Conduit End Cap.....	35.75		10.78
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>8.08</i>		
26 05 33 13-1047	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	49.63		12.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>9.29</i>		
26 05 33 13-1048	EA	3" Polyvinyl Chloride (PVC) Conduit End Cap.....	54.57		14.01
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>10.51</i>		
26 05 33 13-1049	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit End Cap.....	68.68		15.62
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>11.72</i>		
26 05 33 13-1050	EA	4" Polyvinyl Chloride (PVC) Conduit End Cap.....	82.06		16.70
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>12.53</i>		
26 05 33 13-1051	EA	5" Polyvinyl Chloride (PVC) Conduit End Cap.....	95.17		18.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>14.14</i>		
26 05 33 13-1052	EA	6" Polyvinyl Chloride (PVC) Conduit End Cap.....	119.33		21.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>16.17</i>		
26 05 33 13-1053		<b>Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)</b> (26 05 33 13-0881)			
26 05 33 13-1054	EA	2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways EZLB200).....	159.74		48.50
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>36.37</i>		
26 05 33 13-1055	EA	3/4" To 1-1/4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB121).....	158.59		32.33
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>24.25</i>		
26 05 33 13-1056	EA	1-1/2" To 2-1/2" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB251).....	373.12		53.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>40.41</i>		
26 05 33 13-1057	EA	3" To 4" Polyvinyl Chloride (PVC) Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB401).....	714.09		78.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>58.60</i>		
26 05 33 13-1058		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> (26 05 33 13-1059)			
		Note: Exposed installation. Excludes supporting strap, hanger and fastening.			
26 05 33 13-1059		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit</b> (26 05 33 13-1058)			
		Note: Includes field bending conduit up to and including 1".			
26 05 33 13-1060	LF	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	10.63		2.20
26 05 33 13-1061	LF	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	11.82		2.42
26 05 33 13-1062	LF	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	13.16		2.81
26 05 33 13-1063	LF	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	14.52		3.24
26 05 33 13-1064	LF	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	16.38		3.77
26 05 33 13-1065	LF	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	17.92		4.31
26 05 33 13-1066	LF	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	21.35		5.12
26 05 33 13-1067	LF	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	25.08		5.93
26 05 33 13-1068	LF	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	29.05		7.00
26 05 33 13-1069	LF	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	34.37		8.62
26 05 33 13-1070	LF	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	46.33		12.12
26 05 33 13-1071	LF	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit.....	60.44		16.16
26 05 33 13-1072		<b>Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows</b> (26 05 33 13-1058)			
26 05 33 13-1073	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows.....	121.58		10.78
		<i>For 24" Radius, Add</i>	<i>8.45</i>		
		<i>For 36" Radius, Add</i>	<i>12.16</i>		
		<i>For 48" Radius, Add</i>	<i>15.87</i>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1074	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	135.59 9.43 13.56 17.69	11.85
26 05 33 13-1075	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	140.71 9.71 14.07 18.43	13.47
26 05 33 13-1076	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	151.18 10.26 15.12 19.98	17.24
26 05 33 13-1077	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	163.04 10.88 16.30 21.73	21.55
26 05 33 13-1078	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	191.55 12.68 19.16 25.63	26.94
26 05 33 13-1079	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	229.47 15.19 22.95 30.70	32.33
26 05 33 13-1080	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	272.69 18.09 27.27 36.44	37.72
26 05 33 13-1081	EA	3-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	315.18 20.78 31.52 42.26	45.80
26 05 33 13-1082	EA	4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	357.69 23.46 35.77 48.08	53.89
26 05 33 13-1083	EA	5"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	447.12 29.32 44.71 60.10	67.35
26 05 33 13-1084	EA	6"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	550.47 36.23 55.05 73.86	80.82
<b>26 05 33 13-1085 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbows, 12" Large Radius Elbows</b> <small>(26 05 33 13-1058)</small>					
26 05 33 13-1086	EA	1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	104.54 7.17 10.45 13.74	10.78
26 05 33 13-1087	EA	3/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	116.52 8.00 11.65 15.31	11.85
26 05 33 13-1088	EA	1"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	121.45 8.27 12.15 16.02	13.47
26 05 33 13-1089	EA	1-1/4"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	131.73 8.80 13.17 17.54	17.24
26 05 33 13-1090	EA	1-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	143.39 9.41 14.34 19.27	21.55
26 05 33 13-1091	EA	2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	169.19 11.01 16.92 22.83	26.94
26 05 33 13-1092	EA	2-1/2"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	202.72 13.18 20.27 27.36	32.33
26 05 33 13-1093	EA	3"	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows ..... <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	240.58 15.69 24.06 32.43	37.72



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1094	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	279.06	45.80
		<i>For 24" Radius, Add</i>	18.07	
		<i>For 36" Radius, Add</i>	27.91	
		<i>For 48" Radius, Add</i>	37.75	
26 05 33 13-1095	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	317.56	53.89
		<i>For 24" Radius, Add</i>	20.45	
		<i>For 36" Radius, Add</i>	31.76	
		<i>For 48" Radius, Add</i>	43.06	
26 05 33 13-1096	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	396.95	67.35
		<i>For 24" Radius, Add</i>	25.56	
		<i>For 36" Radius, Add</i>	39.70	
		<i>For 48" Radius, Add</i>	53.83	
26 05 33 13-1097	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 45 Degree Elbow, 12" Large Radius Elbows	487.75	80.82
		<i>For 24" Radius, Add</i>	31.53	
		<i>For 36" Radius, Add</i>	48.78	
		<i>For 48" Radius, Add</i>	66.02	

**26 05 33 13-1098 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbows, 12" Large Radius Elbows** (26 05 33 13-1058)

26 05 33 13-1099	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	97.12	9.70
		<i>For 24" Radius, Add</i>	6.68	
		<i>For 36" Radius, Add</i>	9.71	
		<i>For 48" Radius, Add</i>	12.75	
26 05 33 13-1100	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	108.25	10.67
		<i>For 24" Radius, Add</i>	7.45	
		<i>For 36" Radius, Add</i>	10.83	
		<i>For 48" Radius, Add</i>	14.20	
26 05 33 13-1101	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	112.72	12.12
		<i>For 24" Radius, Add</i>	7.70	
		<i>For 36" Radius, Add</i>	11.27	
		<i>For 48" Radius, Add</i>	14.85	
26 05 33 13-1102	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	122.02	15.52
		<i>For 24" Radius, Add</i>	8.18	
		<i>For 36" Radius, Add</i>	12.20	
		<i>For 48" Radius, Add</i>	16.22	
26 05 33 13-1103	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	132.54	19.40
		<i>For 24" Radius, Add</i>	8.73	
		<i>For 36" Radius, Add</i>	13.25	
		<i>For 48" Radius, Add</i>	17.78	
26 05 33 13-1104	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	156.25	24.25
		<i>For 24" Radius, Add</i>	10.20	
		<i>For 36" Radius, Add</i>	15.63	
		<i>For 48" Radius, Add</i>	21.05	
26 05 33 13-1105	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	187.21	29.10
		<i>For 24" Radius, Add</i>	12.22	
		<i>For 36" Radius, Add</i>	18.72	
		<i>For 48" Radius, Add</i>	25.22	
26 05 33 13-1106	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	222.23	33.95
		<i>For 24" Radius, Add</i>	14.55	
		<i>For 36" Radius, Add</i>	22.22	
		<i>For 48" Radius, Add</i>	29.90	
26 05 33 13-1107	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	257.59	41.22
		<i>For 24" Radius, Add</i>	16.74	
		<i>For 36" Radius, Add</i>	25.76	
		<i>For 48" Radius, Add</i>	34.78	
26 05 33 13-1108	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	292.93	48.50
		<i>For 24" Radius, Add</i>	18.94	
		<i>For 36" Radius, Add</i>	29.29	
		<i>For 48" Radius, Add</i>	39.65	
26 05 33 13-1109	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	366.16	60.62
		<i>For 24" Radius, Add</i>	23.67	
		<i>For 36" Radius, Add</i>	36.62	
		<i>For 48" Radius, Add</i>	49.56	
26 05 33 13-1110	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 30 Degree Elbow, 12" Large Radius Elbows	450.12	72.75
		<i>For 24" Radius, Add</i>	29.21	
		<i>For 36" Radius, Add</i>	45.01	
		<i>For 48" Radius, Add</i>	60.81	

**26 05 33 13-1111 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbows, 12" Large Radius Elbows** (26 05 33 13-1058)

26 05 33 13-1112	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	92.39	9.70
		<i>For 24" Radius, Add</i>	6.32	
		<i>For 36" Radius, Add</i>	9.24	
		<i>For 48" Radius, Add</i>	12.16	
26 05 33 13-1113	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius Elbows	102.96	10.67
		<i>For 24" Radius, Add</i>	7.06	
		<i>For 36" Radius, Add</i>	10.30	
		<i>For 48" Radius, Add</i>	13.54	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1114	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	107.37	12.12
			Elbows.....		
			For 24" Radius, Add	7.30	
			For 36" Radius, Add	10.74	
			For 48" Radius, Add	14.18	
26 05 33 13-1115	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	116.61	15.52
			Elbows.....		
			For 24" Radius, Add	7.78	
			For 36" Radius, Add	11.66	
			For 48" Radius, Add	15.55	
26 05 33 13-1116	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	127.09	19.40
			Elbows.....		
			For 24" Radius, Add	8.32	
			For 36" Radius, Add	12.71	
			For 48" Radius, Add	17.10	
26 05 33 13-1117	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	150.04	24.25
			Elbows.....		
			For 24" Radius, Add	9.74	
			For 36" Radius, Add	15.00	
			For 48" Radius, Add	20.27	
26 05 33 13-1118	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	179.78	29.10
			Elbows.....		
			For 24" Radius, Add	11.66	
			For 36" Radius, Add	17.98	
			For 48" Radius, Add	24.29	
26 05 33 13-1119	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	213.31	33.95
			Elbows.....		
			For 24" Radius, Add	13.88	
			For 36" Radius, Add	21.33	
			For 48" Radius, Add	28.79	
26 05 33 13-1120	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	247.55	41.22
			Elbows.....		
			For 24" Radius, Add	15.99	
			For 36" Radius, Add	24.76	
			For 48" Radius, Add	33.52	
26 05 33 13-1121	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	281.78	48.50
			Elbows.....		
			For 24" Radius, Add	18.10	
			For 36" Radius, Add	28.18	
			For 48" Radius, Add	38.25	
26 05 33 13-1122	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	352.22	60.62
			Elbows.....		
			For 24" Radius, Add	22.63	
			For 36" Radius, Add	35.22	
			For 48" Radius, Add	47.82	
26 05 33 13-1123	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 22-1/2 Degree Elbow, 12" Large Radius	432.70	72.75
			Elbows.....		
			For 24" Radius, Add	27.91	
			For 36" Radius, Add	43.27	
			For 48" Radius, Add	58.63	

**26 05 33 13-1124 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings** (26 05 33 13-1058)

26 05 33 13-1125	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	58.04	7.55
26 05 33 13-1126	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	65.22	8.62
26 05 33 13-1127	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	68.36	9.70
26 05 33 13-1128	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	71.42	10.78
26 05 33 13-1129	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	79.06	13.47
26 05 33 13-1130	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	94.44	16.16
26 05 33 13-1131	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	118.93	21.55
26 05 33 13-1132	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	145.39	26.94
26 05 33 13-1133	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	175.36	35.02
26 05 33 13-1134	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	205.33	43.11
26 05 33 13-1135	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	256.65	53.89
26 05 33 13-1136	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling.....	320.76	67.35

**26 05 33 13-1137 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings** (26 05 33 13-1058)

26 05 33 13-1138	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	40.97	7.55
26 05 33 13-1139	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	46.11	8.62
26 05 33 13-1140	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	49.08	9.70
26 05 33 13-1141	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	52.03	10.78
26 05 33 13-1142	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	59.02	13.47
26 05 33 13-1143	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	65.91	16.16
26 05 33 13-1144	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	84.48	21.55
26 05 33 13-1145	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	104.07	26.94
26 05 33 13-1146	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	128.87	35.02
26 05 33 13-1147	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	153.67	43.11
26 05 33 13-1148	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	192.13	53.89
26 05 33 13-1149	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling.....	240.11	67.35

**26 05 33 13-1150 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings** (26 05 33 13-1058)

26 05 33 13-1151	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling.....	46.34	6.19
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**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 13-1152	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	52.10	8.62
26 05 33 13-1153	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	55.13	9.70
26 05 33 13-1154	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	58.01	10.78
26 05 33 13-1155	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	65.46	13.47
26 05 33 13-1156	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	78.24	16.16
26 05 33 13-1157	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	99.27	21.55
26 05 33 13-1158	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	121.79	26.94
26 05 33 13-1159	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	148.80	35.02
26 05 33 13-1160	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	175.81	43.11
26 05 33 13-1161	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	219.74	53.89
26 05 33 13-1162	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling .....	274.71	67.35

**26 05 33 13-1163 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints**
(26 05 33 13-1058)

26 05 33 13-1164	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	97.63	26.94
26 05 33 13-1165	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	114.42	32.33
26 05 33 13-1166	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	128.27	37.72
26 05 33 13-1167	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	141.96	43.11
26 05 33 13-1168	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	156.20	48.50
26 05 33 13-1169	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	176.33	53.89
26 05 33 13-1170	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	204.86	61.96
26 05 33 13-1171	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	235.06	70.05
26 05 33 13-1172	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	269.49	80.82
26 05 33 13-1173	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	310.66	94.30
26 05 33 13-1174	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	363.07	107.77
26 05 33 13-1175	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint .....	420.16	121.23

**26 05 33 13-1176 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints**
(26 05 33 13-1058)

26 05 33 13-1177	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	109.94	26.94
26 05 33 13-1178	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	128.20	32.33
26 05 33 13-1179	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	142.13	37.72
26 05 33 13-1180	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	155.97	43.11
26 05 33 13-1181	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	170.32	48.50
26 05 33 13-1182	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	192.46	53.89
26 05 33 13-1183	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	224.22	61.96
26 05 33 13-1184	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	258.29	70.05
26 05 33 13-1185	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	295.64	80.82
26 05 33 13-1186	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	339.72	94.30
26 05 33 13-1187	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	399.49	107.77
26 05 33 13-1188	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint .....	465.68	121.23

**26 05 33 13-1189 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters**
(26 05 33 13-1058)

26 05 33 13-1190	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	120.12	7.55
26 05 33 13-1191	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	134.04	8.62
26 05 33 13-1192	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	140.20	9.70
26 05 33 13-1193	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	146.49	10.78
26 05 33 13-1194	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	155.09	13.47
26 05 33 13-1195	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	173.38	16.16
26 05 33 13-1196	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	213.47	21.55
26 05 33 13-1197	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	258.74	26.94
26 05 33 13-1198	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	302.89	35.02
26 05 33 13-1199	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	347.03	43.11
26 05 33 13-1200	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	433.88	53.89
26 05 33 13-1201	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter .....	540.03	67.35

**26 05 33 13-1202 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints**
(26 05 33 13-1058)

26 05 33 13-1203	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	131.33	26.94
26 05 33 13-1204	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	151.92	32.33
26 05 33 13-1205	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	182.12	37.72
26 05 33 13-1206	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	226.18	43.11
26 05 33 13-1207	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	283.55	48.50
26 05 33 13-1208	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	375.28	53.89
26 05 33 13-1209	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	533.46	61.96
26 05 33 13-1210	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	644.52	70.05
26 05 33 13-1211	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	779.35	80.82
26 05 33 13-1212	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	920.92	94.30
26 05 33 13-1213	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	1,083.31	107.77
26 05 33 13-1214	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint .....	1,684.80	121.23

**26 05 33 13-1215 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover**
(26 05 33 13-1058)

26 05 33 13-1216	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover .....	110.52	21.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1217	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	128.15	24.25
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.19	
26 05 33 13-1218	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	170.32	26.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.21	
26 05 33 13-1219	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	208.01	32.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.25	
26 05 33 13-1220	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	264.56	40.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.31	
26 05 33 13-1221	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	363.50	48.50
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.37	
26 05 33 13-1222	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	595.70	56.57
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.43	
26 05 33 13-1223	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	767.33	64.66
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.50	
26 05 33 13-1224	EA		3-1/2" Type LB, LR Or LL, Two Hub Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Body And Cover.....	922.98	75.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.58	
26 05 33 13-1225	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,078.63	86.21
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	64.66	
26 05 33 13-1226	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,272.13	96.99
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	72.74	
26 05 33 13-1227	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Type LB, LR Or LL, Two Hub Conduit Body And Cover.....	1,442.93	107.77
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.83	
<b>26 05 33 13-1228</b>			<b>Explosion Proof Conduit Fittings</b> <small>(26 05 33 13-0059)</small>		
			Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT) and Intermediate Metal Conduit (IMC) conduit.		
<b>26 05 33 13-1229</b>			<b>Explosion Proof Malleable Iron Conduit Unions</b> <small>(26 05 33 13-1228)</small>		
26 05 33 13-1230	EA		1/2" Explosion Proof Malleable Iron Conduit Union.....	47.45	11.73
26 05 33 13-1231	EA		3/4" Explosion Proof Malleable Iron Conduit Union.....	57.37	12.97
26 05 33 13-1232	EA		1" Explosion Proof Malleable Iron Conduit Union.....	88.50	17.30
26 05 33 13-1233	EA		1-1/4" Explosion Proof Malleable Iron Conduit Union.....	114.30	19.15
26 05 33 13-1234	EA		1-1/2" Explosion Proof Malleable Iron Conduit Union.....	143.33	23.48
26 05 33 13-1235	EA		2" Explosion Proof Malleable Iron Conduit Union.....	176.98	27.18
26 05 33 13-1236	EA		2-1/2" Explosion Proof Malleable Iron Conduit Union.....	267.39	38.84
26 05 33 13-1237	EA		3" Explosion Proof Malleable Iron Conduit Union.....	337.46	46.24
26 05 33 13-1238	EA		3-1/2" Explosion Proof Malleable Iron Conduit Union.....	549.74	55.49
26 05 33 13-1239	EA		4" Explosion Proof Malleable Iron Conduit Union.....	592.29	70.90
<b>26 05 33 13-1240</b>			<b>Explosion Proof Malleable Iron Conduit Bodies</b> <small>(26 05 33 13-1228)</small>		
26 05 33 13-1241	EA		1/2" Explosion Proof Malleable Iron Two Hub Conduit Body.....	164.63	37.07
26 05 33 13-1242	EA		3/4" Explosion Proof Malleable Iron Two Hub Conduit Body.....	185.74	42.01
26 05 33 13-1243	EA		1" Explosion Proof Malleable Iron Two Hub Conduit Body.....	215.33	46.33
26 05 33 13-1244	EA		1/2" Explosion Proof Malleable Iron Three Hub Conduit Body.....	189.15	46.33
26 05 33 13-1245	EA		3/4" Explosion Proof Malleable Iron Three Hub Conduit Body.....	225.67	55.60
26 05 33 13-1246	EA		1" Explosion Proof Malleable Iron Three Hub Conduit Body.....	265.41	63.63
<b>26 05 33 13-1247</b>			<b>Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical</b> <small>(26 05 33 13-1228)</small>		
			Note: Includes sealing gasket and lock nut.		
26 05 33 13-1248	EA		1/2" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	136.33	30.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.17	
26 05 33 13-1249	EA		3/4" x 1" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	141.60	34.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.95	
26 05 33 13-1250	EA		1" x 1-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	154.50	37.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28.26	
26 05 33 13-1251	EA		1-1/4" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	196.99	46.33
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.75	
26 05 33 13-1252	EA		1-1/2" x 2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	247.90	54.37
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.77	
26 05 33 13-1253	EA		2" x 2-1/2" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	312.53	61.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.33	
26 05 33 13-1254	EA		2-1/2" x 3" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	448.31	92.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.36	
26 05 33 13-1255	EA		3" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	565.91	115.91
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.94	
26 05 33 13-1256	EA		3-1/2" x 4" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	772.23	127.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.73	
26 05 33 13-1257	EA		4" x 5" Explosion Proof Malleable Iron Conduit Sealing Fitting, Horizontal/Vertical.....	976.98	138.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.05	
<b>26 05 33 13-1258</b>			<b>Explosion Proof Flexible Conduit Couplings</b> <small>(26 05 33 13-1228)</small>		
26 05 33 13-1259	EA		1/2" x 12" Explosion Proof Flexible Conduit Coupling.....	314.08	14.20

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1260	EA	3/4" x 15" Explosion Proof Flexible Conduit Coupling.....	409.04	16.06
26 05 33	13-1261		<b>Conduit Installed Below Grade</b> <small>(26 05 33 13-0058)</small> Note: By direct burial in trench or in concrete slabs or duct banks. Includes detectable warning tape for underground conduits. Excludes trenching, backfilling and concrete.		
26 05 33	13-1262		<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit, Direct Burial</b> <small>(26 05 33 13-1261)</small>		
26 05 33	13-1263		<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial</b> <small>(26 05 33 13-1262)</small> Note: Includes field bend conduit up to and including 1". See CSI section 26 05 33 13-1722 for field bending >1".		
26 05 33	13-1264	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	5.41	
			<i>For Schedule 60, Add</i>	0.48	
			<i>For Schedule 80, Add</i>	0.80	
26 05 33	13-1265	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	6.10	
			<i>For Schedule 60, Add</i>	0.58	
			<i>For Schedule 80, Add</i>	0.96	
26 05 33	13-1266	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	7.12	
			<i>For Schedule 60, Add</i>	0.77	
			<i>For Schedule 80, Add</i>	1.23	
26 05 33	13-1267	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	8.15	
			<i>For Schedule 60, Add</i>	0.96	
			<i>For Schedule 80, Add</i>	1.51	
26 05 33	13-1268	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	9.03	
			<i>For Schedule 60, Add</i>	1.11	
			<i>For Schedule 80, Add</i>	1.73	
26 05 33	13-1269	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	10.42	
			<i>For Schedule 60, Add</i>	1.39	
			<i>For Schedule 80, Add</i>	2.13	
26 05 33	13-1270	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	13.36	
			<i>For Schedule 60, Add</i>	2.06	
			<i>For Schedule 80, Add</i>	3.08	
26 05 33	13-1271	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	15.02	
			<i>For Schedule 60, Add</i>	2.41	
			<i>For Schedule 80, Add</i>	3.57	
26 05 33	13-1272	LF	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	17.67	
			<i>For Schedule 60, Add</i>	3.00	
			<i>For Schedule 80, Add</i>	4.42	
26 05 33	13-1273	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	19.05	
			<i>For Schedule 60, Add</i>	3.28	
			<i>For Schedule 80, Add</i>	4.82	
26 05 33	13-1274	LF	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	24.72	
			<i>For Schedule 60, Add</i>	4.63	
			<i>For Schedule 80, Add</i>	6.71	
26 05 33	13-1275	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit With Coupled End, Direct Burial.....	30.50	
			<i>For Schedule 60, Add</i>	6.01	
			<i>For Schedule 80, Add</i>	8.65	
26 05 33	13-1276		<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbows, Direct Burial</b> <small>(26 05 33 13-1262)</small> See CSI section 26 05 33 13-1722 for conduit field bending.		
26 05 33	13-1277	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	35.12	
			<i>For Schedule 60, Add</i>	2.04	
			<i>For Schedule 80, Add</i>	3.87	
26 05 33	13-1278	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	42.14	
			<i>For Schedule 60, Add</i>	2.45	
			<i>For Schedule 80, Add</i>	4.65	
26 05 33	13-1279	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	49.84	
			<i>For Schedule 60, Add</i>	3.03	
			<i>For Schedule 80, Add</i>	5.66	
26 05 33	13-1280	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	57.79	
			<i>For Schedule 60, Add</i>	3.67	
			<i>For Schedule 80, Add</i>	6.75	
26 05 33	13-1281	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	65.91	
			<i>For Schedule 60, Add</i>	4.35	
			<i>For Schedule 80, Add</i>	7.91	
26 05 33	13-1282	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	74.67	
			<i>For Schedule 60, Add</i>	5.20	
			<i>For Schedule 80, Add</i>	9.30	
26 05 33	13-1283	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	87.02	
			<i>For Schedule 60, Add</i>	6.94	
			<i>For Schedule 80, Add</i>	11.93	
26 05 33	13-1284	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	101.91	
			<i>For Schedule 60, Add</i>	9.31	
			<i>For Schedule 80, Add</i>	15.46	
26 05 33	13-1285	EA	3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	123.62	
			<i>For Schedule 60, Add</i>	12.05	
			<i>For Schedule 80, Add</i>	19.69	
26 05 33	13-1286	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	145.49	
			<i>For Schedule 60, Add</i>	14.82	
			<i>For Schedule 80, Add</i>	23.98	
26 05 33	13-1287	EA	5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	187.77	
			<i>For Schedule 60, Add</i>	22.70	
			<i>For Schedule 80, Add</i>	35.41	
26 05 33	13-1288	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 90 Degree Elbow, Direct Burial.....	219.53	
			<i>For Schedule 60, Add</i>	27.94	
			<i>For Schedule 80, Add</i>	43.16	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 13-1289</b>	<b>Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbows, Direct Burial</b> <small>(26 05 33 13-1262)</small>		
	See CSI section 26 05 33 13-1722 for conduit field bending.		
26 05 33 13-1290	EA 1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	35.12	
	<i>For Schedule 60, Add</i>	2.04	
	<i>For Schedule 80, Add</i>	3.87	
26 05 33 13-1291	EA 3/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	42.04	
	<i>For Schedule 60, Add</i>	2.43	
	<i>For Schedule 80, Add</i>	4.61	
26 05 33 13-1292	EA 1" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	49.70	
	<i>For Schedule 60, Add</i>	3.00	
	<i>For Schedule 80, Add</i>	5.61	
26 05 33 13-1293	EA 1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	57.37	
	<i>For Schedule 60, Add</i>	3.56	
	<i>For Schedule 80, Add</i>	6.61	
26 05 33 13-1294	EA 1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	64.97	
	<i>For Schedule 60, Add</i>	4.12	
	<i>For Schedule 80, Add</i>	7.58	
26 05 33 13-1295	EA 2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	74.17	
	<i>For Schedule 60, Add</i>	5.07	
	<i>For Schedule 80, Add</i>	9.12	
26 05 33 13-1296	EA 2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	86.08	
	<i>For Schedule 60, Add</i>	6.70	
	<i>For Schedule 80, Add</i>	11.61	
26 05 33 13-1297	EA 3" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	100.73	
	<i>For Schedule 60, Add</i>	9.02	
	<i>For Schedule 80, Add</i>	15.05	
26 05 33 13-1298	EA 3-1/2" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	120.30	
	<i>For Schedule 60, Add</i>	11.22	
	<i>For Schedule 80, Add</i>	18.53	
26 05 33 13-1299	EA 4" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	142.63	
	<i>For Schedule 60, Add</i>	14.10	
	<i>For Schedule 80, Add</i>	22.98	
26 05 33 13-1300	EA 5" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	184.07	
	<i>For Schedule 60, Add</i>	21.77	
	<i>For Schedule 80, Add</i>	34.12	
26 05 33 13-1301	EA 6" Schedule 40 Polyvinyl Chloride (PVC) Conduit 45 Degree Elbow, Direct Burial	208.50	
	<i>For Schedule 60, Add</i>	25.18	
	<i>For Schedule 80, Add</i>	39.30	

<b>26 05 33 13-1302</b>	<b>Polyvinyl Chloride (PVC) Conduit Female Adapters, Direct Burial</b> <small>(26 05 33 13-1262)</small>		
26 05 33 13-1303	EA 1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	19.52	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.66	
26 05 33 13-1304	EA 3/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	22.45	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.47	
26 05 33 13-1305	EA 1" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	25.49	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.28	
26 05 33 13-1306	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	28.65	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.08	
26 05 33 13-1307	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	31.50	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.89	
26 05 33 13-1308	EA 2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	34.99	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.70	
26 05 33 13-1309	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	41.25	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.91	
26 05 33 13-1310	EA 3" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	47.05	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12.12	
26 05 33 13-1311	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	55.57	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.14	
26 05 33 13-1312	EA 4" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	62.71	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.17	
26 05 33 13-1313	EA 5" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	78.44	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.19	
26 05 33 13-1314	EA 6" Polyvinyl Chloride (PVC) Conduit Female Adapter, Direct Burial	88.86	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.21	

<b>26 05 33 13-1315</b>	<b>Polyvinyl Chloride (PVC) Conduit Bell Ends And Plug, Direct Burial</b> <small>(26 05 33 13-1262)</small>		
26 05 33 13-1316	EA 1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	21.55	
26 05 33 13-1317	EA 3/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	24.64	
26 05 33 13-1318	EA 1" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	27.75	
26 05 33 13-1319	EA 1-1/4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	35.45	
26 05 33 13-1320	EA 1-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	39.20	
26 05 33 13-1321	EA 2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	43.56	
26 05 33 13-1322	EA 2-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	48.82	
26 05 33 13-1323	EA 3" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	55.42	
26 05 33 13-1324	EA 3-1/2" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	65.51	
26 05 33 13-1325	EA 4" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	72.66	
26 05 33 13-1326	EA 5" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	90.44	
26 05 33 13-1327	EA 6" Polyvinyl Chloride (PVC) Conduit Bell End And Plug, Direct Burial	101.58	

<b>26 05 33 13-1328</b>	<b>Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial</b> <small>(26 05 33 13-1262)</small>		
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**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1329	EA	1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....		19.41	
26 05 33 13-1330	EA	3/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....		22.45	
26 05 33 13-1331	EA	1" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial.....		25.34	
26 05 33 13-1332	EA	1-1/4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapters, Direct Burial .....		28.39	
26 05 33 13-1333	EA	1-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....		31.27	
26 05 33 13-1334	EA	2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....		34.67	
26 05 33 13-1335	EA	2-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....		40.62	
26 05 33 13-1336	EA	3" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....		46.17	
26 05 33 13-1337	EA	3-1/2" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....		54.44	
26 05 33 13-1338	EA	4" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....		61.55	
26 05 33 13-1339	EA	5" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....		76.16	
26 05 33 13-1340	EA	6" Polyvinyl Chloride (PVC) Conduit Male Terminal Adapter, Direct Burial .....		86.12	
26 05 33 13-1341		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel</b>			
		<b>(RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1261)</small>			
		Note: 40 mil Polyvinyl Chloride (PVC) coated, 2 mil urethane lined (Ocal Blue, Crouse-Hinds, Appleton or O-Z/Gedney).			
26 05 33 13-1342		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel</b>			
		<b>(RGS) Conduit, Direct Burial</b> <small>(26 05 33 13-1341)</small>			
		Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-1712 for field bending >1".			
26 05 33 13-1343	LF	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	13.42		2.96
		<i>For &gt;250 To 500, Deduct</i>	-0.48		
		<i>For &gt;500 To 1,000, Deduct</i>	-0.81		
		<i>For &gt;1,000, Deduct</i>	-1.15		
26 05 33 13-1344	LF	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	15.02		3.66
		<i>For &gt;250 To 500, Deduct</i>	-0.54		
		<i>For &gt;500 To 1,000, Deduct</i>	-0.92		
		<i>For &gt;1,000, Deduct</i>	-1.29		
26 05 33 13-1345	LF	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	18.38		4.08
		<i>For &gt;250 To 500, Deduct</i>	-0.67		
		<i>For &gt;500 To 1,000, Deduct</i>	-1.13		
		<i>For &gt;1,000, Deduct</i>	-1.59		
26 05 33 13-1346	LF	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	22.06		5.50
		<i>For &gt;250 To 500, Deduct</i>	-0.82		
		<i>For &gt;500 To 1,000, Deduct</i>	-1.37		
		<i>For &gt;1,000, Deduct</i>	-1.92		
26 05 33 13-1347	LF	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	25.80		6.20
		<i>For &gt;250 To 500, Deduct</i>	-0.97		
		<i>For &gt;500 To 1,000, Deduct</i>	-1.62		
		<i>For &gt;1,000, Deduct</i>	-2.26		
26 05 33 13-1348	LF	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	32.59		6.76
		<i>For &gt;250 To 500, Deduct</i>	-1.24		
		<i>For &gt;500 To 1,000, Deduct</i>	-2.06		
		<i>For &gt;1,000, Deduct</i>	-2.87		
26 05 33 13-1349	LF	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	47.05		10.14
		<i>For &gt;250 To 500, Deduct</i>	-1.82		
		<i>For &gt;500 To 1,000, Deduct</i>	-3.00		
		<i>For &gt;1,000, Deduct</i>	-4.18		
26 05 33 13-1350	LF	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	60.86		12.68
		<i>For &gt;250 To 500, Deduct</i>	-2.34		
		<i>For &gt;500 To 1,000, Deduct</i>	-3.86		
		<i>For &gt;1,000, Deduct</i>	-5.38		
26 05 33 13-1351	LF	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	75.21		13.38
		<i>For &gt;250 To 500, Deduct</i>	-2.88		
		<i>For &gt;500 To 1,000, Deduct</i>	-4.76		
		<i>For &gt;1,000, Deduct</i>	-6.64		
26 05 33 13-1352	LF	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	89.41		14.78
		<i>For &gt;250 To 500, Deduct</i>	-3.41		
		<i>For &gt;500 To 1,000, Deduct</i>	-5.65		
		<i>For &gt;1,000, Deduct</i>	-7.88		
26 05 33 13-1353	LF	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	137.08		20.42
		<i>For &gt;250 To 500, Deduct</i>	-5.52		
		<i>For &gt;500 To 1,000, Deduct</i>	-8.94		
		<i>For &gt;1,000, Deduct</i>	-12.37		
26 05 33 13-1354	LF	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Conduit, Direct Burial .....	182.12		26.76
		<i>For &gt;250 To 500, Deduct</i>	-7.42		
		<i>For &gt;500 To 1,000, Deduct</i>	-11.97		
		<i>For &gt;1,000, Deduct</i>	-16.52		
26 05 33 13-1355		<b>Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel</b>			
		<b>(RGS) Couplings, Direct Burial</b> <small>(26 05 33 13-1341)</small>			
26 05 33 13-1356	EA	1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	14.44		4.22
26 05 33 13-1357	EA	3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	17.54		5.64
26 05 33 13-1358	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	22.23		7.04
26 05 33 13-1359	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial .....	25.00		7.74
26 05 33 13-1360	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial .....	29.60		9.16
26 05 33 13-1361	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	37.66		10.56
26 05 33 13-1362	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial .....	66.30		12.68
26 05 33 13-1363	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	84.94		17.60
26 05 33 13-1364	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial .....	104.64		20.42
26 05 33 13-1365	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	130.93		28.16
26 05 33 13-1366	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	320.54		38.73
26 05 33 13-1367	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Coupling, Direct Burial.....	315.19		21.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1368			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small>		
Note: 90, 45, or 30 degree.					
26 05 33 13-1369	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	56.22	17.60
26 05 33 13-1370	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	65.46	21.83
26 05 33 13-1371	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	78.52	26.76
26 05 33 13-1372	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	92.71	30.98
26 05 33 13-1373	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	108.18	35.21
26 05 33 13-1374	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	130.17	38.73
26 05 33 13-1375	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	196.49	48.59
26 05 33 13-1376	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	291.08	66.19
26 05 33 13-1377	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	357.52	74.63
26 05 33 13-1378	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	414.47	97.17
26 05 33 13-1379	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	847.34	158.42
26 05 33 13-1380	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Standard Radius Elbow, Direct Burial.....	1,328.67	237.99
26 05 33 13-1381			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small>		
26 05 33 13-1382	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	128.03	26.76
26 05 33 13-1383	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	144.40	30.98
26 05 33 13-1384	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	164.78	35.21
26 05 33 13-1385	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	195.47	38.73
26 05 33 13-1386	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 12" Large Radius Elbow, Direct Burial.....	270.40	48.59
26 05 33 13-1387			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small>		
26 05 33 13-1388	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	141.43	26.76
26 05 33 13-1389	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	166.53	30.98
26 05 33 13-1390	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	180.64	35.21
26 05 33 13-1391	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	230.06	38.73
26 05 33 13-1392	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	303.76	48.59
26 05 33 13-1393	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 15" Large Radius Elbow, Direct Burial.....	390.01	66.19
26 05 33 13-1394			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small>		
26 05 33 13-1395	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	157.44	26.76
26 05 33 13-1396	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	178.05	30.98
26 05 33 13-1397	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	201.00	35.21
26 05 33 13-1398	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	241.54	38.73
26 05 33 13-1399	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	342.09	48.59
26 05 33 13-1400	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	435.01	66.19
26 05 33 13-1401	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	545.99	74.63
26 05 33 13-1402	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 18" Large Radius Elbow, Direct Burial.....	619.80	97.17
26 05 33 13-1403			Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small>		
26 05 33 13-1404	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial.....	185.09	26.76

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-1405	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	.....	205.10	30.98
26 05 33 13-1406	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	.....	231.71	35.21
26 05 33 13-1407	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	.....	285.76	38.73
26 05 33 13-1408	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	.....	410.70	48.59
26 05 33 13-1409	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	.....	511.26	66.19
26 05 33 13-1410	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	.....	592.54	74.63
26 05 33 13-1411	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 24" Large Radius Elbow, Direct Burial	.....	705.26	97.17
<b>26 05 33 13-1412 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small></b>					
26 05 33 13-1413	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	206.61	26.76
26 05 33 13-1414	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	230.28	30.98
26 05 33 13-1415	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	261.94	35.21
26 05 33 13-1416	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	324.26	38.73
26 05 33 13-1417	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	448.13	48.59
26 05 33 13-1418	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	572.25	66.19
26 05 33 13-1419	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	705.74	74.63
26 05 33 13-1420	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	783.72	97.17
26 05 33 13-1421	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 30" Large Radius Elbow, Direct Burial	.....	1,305.35	158.42
<b>26 05 33 13-1422 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small></b>					
26 05 33 13-1423	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	234.75	26.76
26 05 33 13-1424	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	260.70	30.98
26 05 33 13-1425	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	295.07	35.21
26 05 33 13-1426	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	366.96	38.73
26 05 33 13-1427	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	510.50	48.59
26 05 33 13-1428	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	649.95	66.19
26 05 33 13-1429	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	762.45	74.63
26 05 33 13-1430	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	885.00	97.17
26 05 33 13-1431	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	1,376.33	158.42
26 05 33 13-1432	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 36" Large Radius Elbow, Direct Burial	.....	1,889.55	237.99
<b>26 05 33 13-1433 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small></b>					
26 05 33 13-1434	EA	1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	273.93	26.76
26 05 33 13-1435	EA	1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	287.82	30.98
26 05 33 13-1436	EA	1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	339.42	35.21
26 05 33 13-1437	EA	2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	426.39	38.73
26 05 33 13-1438	EA	2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	594.60	48.59
26 05 33 13-1439	EA	3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	754.70	66.19
26 05 33 13-1440	EA	3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	920.14	74.63
26 05 33 13-1441	EA	4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	1,082.03	97.17
26 05 33 13-1442	EA	5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	1,607.86	158.42
26 05 33 13-1443	EA	6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 42" Large Radius Elbow, Direct Burial	.....	1,995.83	237.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 13-1444 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbows, Direct Burial <small>(26 05 33 13-1341)</small></b>					
26 05 33 13-1445	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	283.37	26.76
26 05 33 13-1446	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	333.70	30.98
26 05 33 13-1447	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	377.77	35.21
26 05 33 13-1448	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	444.27	38.73
26 05 33 13-1449	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	615.61	48.59
26 05 33 13-1450	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	786.92	66.19
26 05 33 13-1451	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,006.02	74.63
26 05 33 13-1452	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,126.72	97.17
26 05 33 13-1453	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	1,670.06	158.42
26 05 33 13-1454	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) 48" Large Radius Elbow, Direct Burial.....	2,049.83	237.99
<b>26 05 33 13-1455 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNF Conduit Unions, Direct Burial <small>(26 05 33 13-1341)</small></b>					
26 05 33 13-1456	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	97.82	17.60
26 05 33 13-1457	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	107.40	21.83
26 05 33 13-1458	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	138.98	26.76
26 05 33 13-1459	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	199.52	30.98
26 05 33 13-1460	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	236.32	35.21
26 05 33 13-1461	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	298.55	38.73
26 05 33 13-1462	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	396.50	48.59
26 05 33 13-1463	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	509.84	48.59
26 05 33 13-1464	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	661.17	74.63
26 05 33 13-1465	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	851.62	97.17
26 05 33 13-1466	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,545.39	158.42
26 05 33 13-1467	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNF Conduit Union, Direct Burial.....	1,939.16	237.99
<b>26 05 33 13-1468 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), UNY Conduit Unions, Direct Burial <small>(26 05 33 13-1341)</small></b>					
26 05 33 13-1469	EA		1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	99.93	17.60
26 05 33 13-1470	EA		3/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	115.46	21.83
26 05 33 13-1471	EA		1" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	143.27	26.76
26 05 33 13-1472	EA		1-1/4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	207.40	30.98
26 05 33 13-1473	EA		1-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	247.26	35.21
26 05 33 13-1474	EA		2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	322.18	38.73
26 05 33 13-1475	EA		2-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	447.06	48.59
26 05 33 13-1476	EA		3" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	561.25	48.59
26 05 33 13-1477	EA		3-1/2" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	754.11	74.63
26 05 33 13-1478	EA		4" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	944.21	97.17
26 05 33 13-1479	EA		5" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	1,715.13	158.42
26 05 33 13-1480	EA		6" Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) UNY Conduit Union, Direct Burial.....	2,213.24	237.99
<b>26 05 33 13-1481 Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS), Nipples, Direct Burial <small>(26 05 33 13-1341)</small></b>					
26 05 33 13-1482	EA		1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial.....	34.66	8.45
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07



## 26 Electrical

## 26 05 Common Work Results for Electrical

## 26 05 33 Raceway and Boxes for Electrical Systems

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	13-1483	EA	3/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	39.22	10.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-1484	EA	1" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.85	13.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-1485	EA	1-1/4" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	54.46	15.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-1486	EA	1-1/2" x 2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	59.46	17.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-1487	EA	1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.34	9.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-1488	EA	3/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.64	10.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-1489	EA	1" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.30	13.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-1490	EA	1-1/4" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.06	15.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-1491	EA	1-1/2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.26	17.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-1492	EA	2" x 2-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.69	19.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33	13-1493	EA	1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	38.51	9.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-1494	EA	3/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.81	10.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-1495	EA	1" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.61	13.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-1496	EA	1-1/4" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	57.40	15.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-1497	EA	1-1/2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.60	17.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-1498	EA	2" x 3" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	68.57	19.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33	13-1499	EA	1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.81	9.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-1500	EA	3/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.12	10.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-1501	EA	1" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.08	13.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-1502	EA	1-1/4" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.81	15.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-1503	EA	1-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	64.15	17.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-1504	EA	2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	71.28	19.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33	13-1505	EA	2-1/2" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	98.43	23.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33	13-1506	EA	3" x 3-1/2" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	128.04	33.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33	13-1507	EA	1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	40.98	9.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33	13-1508	EA	3/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.43	10.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33	13-1509	EA	1" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.42	13.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33	13-1510	EA	1-1/4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.21	15.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33	13-1511	EA	1-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	65.70	17.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33	13-1512	EA	2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	74.00	19.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1513	EA		2-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	100.83	23.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-1514	EA		3" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	133.21	33.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33 13-1515	EA		3-1/2" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	158.23	37.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33 13-1516	EA		4" x 4" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	186.60	48.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33 13-1517	EA		1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.30	9.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-1518	EA		3/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.77	10.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-1519	EA		1" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	51.79	13.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-1520	EA		1-1/4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	60.87	15.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1521	EA		1-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.38	17.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-1522	EA		2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	75.48	19.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-1523	EA		2-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	110.39	23.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-1524	EA		3" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	140.95	33.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33 13-1525	EA		3-1/2" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	159.88	37.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33 13-1526	EA		4" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	191.02	48.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33 13-1527	EA		5" x 5" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	279.76	66.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	
26 05 33 13-1528	EA		1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	41.90	9.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-1529	EA		3/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	45.38	10.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-1530	EA		1" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	52.44	13.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-1531	EA		1-1/4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.08	15.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1532	EA		1-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	67.84	17.60
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-1533	EA		2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	76.96	19.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-1534	EA		2-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	120.09	23.94
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-1535	EA		3" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	151.23	33.09
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33 13-1536	EA		3-1/2" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	169.14	37.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33 13-1537	EA		4" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	206.64	48.59
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33 13-1538	EA		5" x 6" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	303.12	66.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	
26 05 33 13-1539	EA		1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	42.85	9.16
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-1540	EA		3/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	46.30	10.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-1541	EA		1" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	53.90	13.38
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-1542	EA		1-1/4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	62.40	15.49
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1543	EA	1-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	70.80	17.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-1544	EA	2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	84.19	19.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-1545	EA	2-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	132.02	23.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-1546	EA	3" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	165.30	33.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33 13-1547	EA	3-1/2" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	192.34	37.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33 13-1548	EA	4" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	230.10	48.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33 13-1549	EA	5" x 8" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	319.13	66.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	
26 05 33 13-1550	EA	1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	43.84	9.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-1551	EA	3/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	47.27	10.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-1552	EA	1" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	55.33	13.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-1553	EA	1-1/4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	66.76	15.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1554	EA	1-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	77.83	17.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-1555	EA	2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	94.81	19.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-1556	EA	2-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	144.64	23.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-1557	EA	3" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	183.33	33.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33 13-1558	EA	3-1/2" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	216.69	37.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33 13-1559	EA	4" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	271.15	48.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33 13-1560	EA	5" x 10" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	351.08	66.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	
26 05 33 13-1561	EA	1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	44.86	9.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.49	
26 05 33 13-1562	EA	3/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	48.41	10.56
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-1563	EA	1" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	58.97	13.38
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-1564	EA	1-1/4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	73.94	15.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1565	EA	1-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	86.35	17.60
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-1566	EA	2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	103.35	19.72
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
26 05 33 13-1567	EA	2-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	161.48	23.94
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.36	
26 05 33 13-1568	EA	3" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	210.35	33.09
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.85	
26 05 33 13-1569	EA	3-1/2" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	231.64	37.32
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.39	
26 05 33 13-1570	EA	4" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	283.74	48.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.15	
26 05 33 13-1571	EA	5" x 12" Long Polyvinyl Chloride (PVC) Coated, Urethane Lined, Rigid Galvanized Steel (RGS) Nipple, Direct Burial	355.64	66.89
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.13	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-1572	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1261)</small> Note: Direct burial or encased application.		
26 05 33 13-1573	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit <small>(26 05 33 13-1572)</small> Note: Includes field bending for conduit up to and including 1". See CSI section 26 05 33 13-1722 for field bending >1".		
26 05 33 13-1574	LF 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	9.49 1.31	1.75
26 05 33 13-1575	LF 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	10.48 1.42	1.88
26 05 33 13-1576	LF 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	11.14 1.52	2.02
26 05 33 13-1577	LF 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	11.82 1.62	2.15
26 05 33 13-1578	LF 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	12.67 1.72	2.29
26 05 33 13-1579	LF 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	13.20 1.82	2.42
26 05 33 13-1580	LF 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	14.95 1.92	2.56
26 05 33 13-1581	LF 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	16.99 2.02	2.70
26 05 33 13-1582	LF 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	18.61 2.12	2.83
26 05 33 13-1583	LF 4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	20.22 2.22	2.97
26 05 33 13-1584	LF 5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	23.77 2.33	3.10
26 05 33 13-1585	LF 6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	28.12 2.43	3.24
26 05 33 13-1586	Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbows, 12" Large Radius Elbows <small>(26 05 33 13-1572)</small>		
26 05 33 13-1587	EA 1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	128.32 10.10 8.78 12.83 16.88	13.47
26 05 33 13-1588	EA 3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	146.36 12.12 9.97 14.64 19.31	16.16
26 05 33 13-1589	EA 1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	154.17 14.14 10.38 15.42 20.45	18.86
26 05 33 13-1590	EA 1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	161.96 16.17 10.80 16.20 21.59	21.55
26 05 33 13-1591	EA 1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	169.77 18.19 11.22 16.98 22.74	24.25
26 05 33 13-1592	EA 2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	191.55 20.21 12.68 19.16 25.63	26.94
26 05 33 13-1593	EA 2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	222.74 22.23 14.85 22.27 29.69	29.64
26 05 33 13-1594	EA 3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	259.21 24.25 17.42 25.92 34.42	32.33
26 05 33 13-1595	EA 3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial..... <i>For Work In Restricted Working Space, Add</i> <i>For 24" Radius, Add</i> <i>For 36" Radius, Add</i> <i>For 48" Radius, Add</i>	294.98 28.29 19.77 29.50 39.23	37.72

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26 05 33 13-1596	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	330.75	48.50
		<i>For Work In Restricted Working Space, Add</i>	32.33	
		<i>For 24" Radius, Add</i>	22.11	
		<i>For 36" Radius, Add</i>	33.08	
		<i>For 48" Radius, Add</i>	44.04	
26 05 33 13-1597	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	399.96	48.50
		<i>For Work In Restricted Working Space, Add</i>	36.37	
		<i>For 24" Radius, Add</i>	26.97	
		<i>For 36" Radius, Add</i>	40.00	
		<i>For 48" Radius, Add</i>	53.03	
26 05 33 13-1598	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit 90 Degree Elbow, 12" Large Radius Elbows, Direct Burial.....	483.12	53.89
		<i>For Work In Restricted Working Space, Add</i>	40.41	
		<i>For 24" Radius, Add</i>	32.87	
		<i>For 36" Radius, Add</i>	48.31	
		<i>For 48" Radius, Add</i>	63.76	

**26 05 33 13-1599 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Couplings**
(26 05 33 13-1572)

26 05 33 13-1600	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	58.04	7.55
		<i>For Work In Restricted Working Space, Add</i>	5.66	
26 05 33 13-1601	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	65.22	8.62
		<i>For Work In Restricted Working Space, Add</i>	6.47	
26 05 33 13-1602	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	68.36	9.70
		<i>For Work In Restricted Working Space, Add</i>	7.28	
26 05 33 13-1603	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	71.42	10.78
		<i>For Work In Restricted Working Space, Add</i>	8.08	
26 05 33 13-1604	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	75.02	11.85
		<i>For Work In Restricted Working Space, Add</i>	8.89	
26 05 33 13-1605	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	86.36	12.94
		<i>For Work In Restricted Working Space, Add</i>	9.70	
26 05 33 13-1606	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	101.41	14.55
		<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33 13-1607	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	118.45	16.16
		<i>For Work In Restricted Working Space, Add</i>	12.12	
26 05 33 13-1608	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	134.94	18.86
		<i>For Work In Restricted Working Space, Add</i>	14.14	
26 05 33 13-1609	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	151.45	21.55
		<i>For Work In Restricted Working Space, Add</i>	16.17	
26 05 33 13-1610	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	182.56	24.25
		<i>For Work In Restricted Working Space, Add</i>	18.19	
26 05 33 13-1611	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Double Bell Coupling, Direct Burial.....	219.72	26.94
		<i>For Work In Restricted Working Space, Add</i>	20.21	

**26 05 33 13-1612 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Couplings**
(26 05 33 13-1572)

26 05 33 13-1613	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	40.97	7.55
		<i>For Work In Restricted Working Space, Add</i>	5.66	
26 05 33 13-1614	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	46.11	8.62
		<i>For Work In Restricted Working Space, Add</i>	6.47	
26 05 33 13-1615	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	49.08	9.70
		<i>For Work In Restricted Working Space, Add</i>	7.28	
26 05 33 13-1616	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	52.03	10.78
		<i>For Work In Restricted Working Space, Add</i>	8.08	
26 05 33 13-1617	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	54.98	11.85
		<i>For Work In Restricted Working Space, Add</i>	8.89	
26 05 33 13-1618	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	57.83	12.94
		<i>For Work In Restricted Working Space, Add</i>	9.70	
26 05 33 13-1619	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	66.96	14.55
		<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33 13-1620	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	77.13	16.16
		<i>For Work In Restricted Working Space, Add</i>	12.12	
26 05 33 13-1621	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	88.45	18.86
		<i>For Work In Restricted Working Space, Add</i>	14.14	
26 05 33 13-1622	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	99.79	21.55
		<i>For Work In Restricted Working Space, Add</i>	16.17	
26 05 33 13-1623	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	118.04	24.25
		<i>For Work In Restricted Working Space, Add</i>	18.19	
26 05 33 13-1624	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Radius Double Bell Coupling, Direct Burial.....	139.07	26.94
		<i>For Work In Restricted Working Space, Add</i>	20.21	

**26 05 33 13-1625 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Couplings**
(26 05 33 13-1572)

26 05 33 13-1626	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	38.26	4.31
		<i>For Work In Restricted Working Space, Add</i>	3.23	
26 05 33 13-1627	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	42.67	4.85
		<i>For Work In Restricted Working Space, Add</i>	3.64	
26 05 33 13-1628	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial.....	44.35	5.39
		<i>For Work In Restricted Working Space, Add</i>	4.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1629	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	45.89 4.45	5.93
26 05 33 13-1630	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	47.94 4.85	6.46
26 05 33 13-1631	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	56.69 5.66	7.55
26 05 33 13-1632	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	68.28 6.87	9.16
26 05 33 13-1633	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	81.38 8.08	10.78
26 05 33 13-1634	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	94.92 10.10	13.47
26 05 33 13-1635	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	108.45 12.12	16.16
26 05 33 13-1636	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	132.17 14.14	18.86
26 05 33 13-1637	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Sleeve Coupling, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	160.21 16.17	21.55
<b>26 05 33 13-1638 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joints</b> <small>(26 05 33 13-1572)</small>					
26 05 33 13-1639	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	97.63 20.21	26.94
26 05 33 13-1640	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	114.42 24.25	32.33
26 05 33 13-1641	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	128.27 28.29	37.72
26 05 33 13-1642	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	141.96 32.33	43.11
26 05 33 13-1643	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	149.47 34.35	45.80
26 05 33 13-1644	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	162.85 36.37	48.50
26 05 33 13-1645	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	177.93 38.39	51.19
26 05 33 13-1646	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	194.65 40.41	53.89
26 05 33 13-1647	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	208.87 42.43	56.57
26 05 33 13-1648	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	223.10 44.45	59.27
26 05 33 13-1649	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	248.56 46.47	61.96
26 05 33 13-1650	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	278.72 48.50	64.66
<b>26 05 33 13-1651 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joints</b> <small>(26 05 33 13-1572)</small>					
26 05 33 13-1652	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	109.94 20.21	26.94
26 05 33 13-1653	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	128.20 24.25	32.33
26 05 33 13-1654	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	142.13 28.29	37.72
26 05 33 13-1655	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	155.97 32.33	43.11
26 05 33 13-1656	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	163.59 34.35	45.80
26 05 33 13-1657	EA		2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	178.98 36.37	48.50
26 05 33 13-1658	EA		2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	197.29 38.39	51.19
26 05 33 13-1659	EA		3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	217.88 40.41	53.89
26 05 33 13-1660	EA		3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	235.02 42.43	56.57
26 05 33 13-1661	EA		4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	252.16 44.45	59.27
26 05 33 13-1662	EA		5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	284.98 46.47	61.96
26 05 33 13-1663	EA		6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion Joint, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	324.24 48.50	64.66
<b>26 05 33 13-1664 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapters</b> <small>(26 05 33 13-1572)</small>					
26 05 33 13-1665	EA		1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	120.12 5.66	7.55
26 05 33 13-1666	EA		3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	134.04 6.47	8.62
26 05 33 13-1667	EA		1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	140.20 7.28	9.70
26 05 33 13-1668	EA		1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	146.49 8.08	10.78
26 05 33 13-1669	EA		1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial..... <i>For Work In Restricted Working Space, Add</i>	151.05 8.89	11.85



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26 05 33 13-1670	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	165.30	12.94
		<i>For Work In Restricted Working Space, Add</i>	9.70	
26 05 33 13-1671	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	195.95	14.55
		<i>For Work In Restricted Working Space, Add</i>	10.91	
26 05 33 13-1672	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	231.80	16.16
		<i>For Work In Restricted Working Space, Add</i>	12.12	
26 05 33 13-1673	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial .....	262.47	18.86
		<i>For Work In Restricted Working Space, Add</i>	14.14	
26 05 33 13-1674	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	293.15	21.55
		<i>For Work In Restricted Working Space, Add</i>	16.17	
26 05 33 13-1675	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	359.79	24.25
		<i>For Work In Restricted Working Space, Add</i>	18.19	
26 05 33 13-1676	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit Adapter, Direct Burial.....	438.99	26.94
		<i>For Work In Restricted Working Space, Add</i>	20.21	

**26 05 33 13-1677 Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joints**

(26 05 33 13-1572)

26 05 33 13-1678	EA	1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	131.33	26.94
		<i>For Work In Restricted Working Space, Add</i>	20.21	
26 05 33 13-1679	EA	3/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	151.92	32.33
		<i>For Work In Restricted Working Space, Add</i>	24.25	
26 05 33 13-1680	EA	1" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	182.12	37.72
		<i>For Work In Restricted Working Space, Add</i>	28.29	
26 05 33 13-1681	EA	1-1/4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	226.18	43.11
		<i>For Work In Restricted Working Space, Add</i>	32.33	
26 05 33 13-1682	EA	1-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	276.82	45.80
		<i>For Work In Restricted Working Space, Add</i>	34.35	
26 05 33 13-1683	EA	2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	361.80	48.50
		<i>For Work In Restricted Working Space, Add</i>	36.37	
26 05 33 13-1684	EA	2-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	506.53	51.19
		<i>For Work In Restricted Working Space, Add</i>	38.39	
26 05 33 13-1685	EA	3" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	604.11	53.89
		<i>For Work In Restricted Working Space, Add</i>	40.41	
26 05 33 13-1686	EA	3-1/2" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	718.73	56.57
		<i>For Work In Restricted Working Space, Add</i>	42.43	
26 05 33 13-1687	EA	4" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	833.36	59.27
		<i>For Work In Restricted Working Space, Add</i>	44.45	
26 05 33 13-1688	EA	5" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	968.80	61.96
		<i>For Work In Restricted Working Space, Add</i>	46.47	
26 05 33 13-1689	EA	6" Fiberglass Reinforced Epoxy (FRE) Standard Wall (SW) Conduit O-Ring Expansion/Deflection Joint, Direct Burial .....	1,543.36	64.66
		<i>For Work In Restricted Working Space, Add</i>	48.50	

**26 05 33 13-1690 Spacers**

(26 05 33 13-1261)

Note: For concrete encasement applications. See CSI section 03 30 53 00-0001 for concrete., 26 05 33 13-1261 for conduit.

26 05 33 13-1691	EA	1" Base Spacers, Average 4" Wide, Direct Burial .....	14.09	
26 05 33 13-1692	EA	1" Intermediate Spacers, Average 4" Wide, Direct Burial .....	15.17	
26 05 33 13-1693	EA	1-1/4" Base Spacer, Average 4" Wide, Direct Burial.....	16.79	
26 05 33 13-1694	EA	1-1/4" Intermediate Spacers, Average 4" Wide, Direct Burial .....	18.09	
26 05 33 13-1695	EA	1-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	16.93	
26 05 33 13-1696	EA	1-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	18.18	
26 05 33 13-1697	EA	2" Base Spacer, Average 4" Wide, Direct Burial .....	21.05	
26 05 33 13-1698	EA	2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	19.55	
26 05 33 13-1699	EA	2-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	23.28	
26 05 33 13-1700	EA	2-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	22.50	
26 05 33 13-1701	EA	3" Base Spacer, Average 4" Wide, Direct Burial .....	26.65	
26 05 33 13-1702	EA	3" Intermediate Spacers, Average 4" Wide, Direct Burial .....	25.44	
26 05 33 13-1703	EA	3-1/2" Base Spacer, Average 4" Wide, Direct Burial.....	28.88	
26 05 33 13-1704	EA	3-1/2" Intermediate Spacers, Average 4" Wide, Direct Burial .....	27.60	
26 05 33 13-1705	EA	4" Base Spacer, Average 4" Wide, Direct Burial .....	29.74	
26 05 33 13-1706	EA	4" Intermediate Spacers, Average 4" Wide, Direct Burial .....	28.38	
26 05 33 13-1707	EA	5" Base Spacer, Average 4" Wide, Direct Burial .....	32.88	
26 05 33 13-1708	EA	5" Intermediate Spacers, Average 4" Wide, Direct Burial .....	31.27	
26 05 33 13-1709	EA	6" Base Spacer, Average 4" Wide, Direct Burial .....	36.99	
26 05 33 13-1710	EA	6" Intermediate Spacers, Average 4" Wide, Direct Burial .....	35.62	

**26 05 33 13-1711 Conduit Field Bending**

(26 05 33 13-0058)

Note: Conduit tasks by LF include field bending up to and include 1" conduit.

**26 05 33 13-1712 Metallic Conduit Field Bending**

(26 05 33 13-1711)

Note: For use with Rigid Galvanized Steel (RGS), Electrical Metallic Tubing (EMT), and Intermediate Metal Conduit (IMC).

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1713	EA		1-1/4" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	25.14 16.59	
26 05 33 13-1714	EA		1-1/2" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	31.42 20.74	
26 05 33 13-1715	EA		2" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	39.28 25.92	
26 05 33 13-1716	EA		2-1/2" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	54.99 36.29	
26 05 33 13-1717	EA		3" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	70.70 46.66	
26 05 33 13-1718	EA		3-1/2" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	94.27 62.22	
26 05 33 13-1719	EA		4" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	109.97 72.58	
26 05 33 13-1720	EA		5" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	125.68 82.95	
26 05 33 13-1721	EA		6" Metallic Conduit Field Bending..... <i>For Aluminum Conduit Bending, Add</i>	149.25 98.51	
<b>26 05 33 13-1722</b>			<b>Plastic Conduit Field Bending</b> (26 05 33 13-1711) Note: For PVC conduits.		
26 05 33 13-1723	EA		1" Plastic Conduit Field Bending.....	36.13	
26 05 33 13-1724	EA		1-1/4" Plastic Conduit Field Bending.....	39.28	
26 05 33 13-1725	EA		1-1/2" Plastic Conduit Field Bending.....	47.13	
26 05 33 13-1726	EA		2" Plastic Conduit Field Bending.....	62.84	
26 05 33 13-1727	EA		2-1/2" Plastic Conduit Field Bending.....	78.56	
26 05 33 13-1728	EA		3" Plastic Conduit Field Bending.....	94.27	
26 05 33 13-1729	EA		3-1/2" Plastic Conduit Field Bending.....	109.97	
26 05 33 13-1730	EA		4" Plastic Conduit Field Bending.....	125.68	
26 05 33 13-1731	EA		5" Plastic Conduit Field Bending.....	141.39	
26 05 33 13-1732	EA		6" Plastic Conduit Field Bending.....	157.10	
<b>26 05 33 13-1733</b>			<b>Cut And Thread Existing In-Place Threaded Conduit</b> (26 05 33 13-0058) Note: For use when connecting conduit to an existing in-place system.		
26 05 33 13-1734	EA		1/2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	46.33 13.90	
26 05 33 13-1735	EA		3/4", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	50.97 15.29	
26 05 33 13-1736	EA		1", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	55.60 16.68	
26 05 33 13-1737	EA		1-1/4", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	60.23 18.07	
26 05 33 13-1738	EA		1-1/2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	63.32 19.00	
26 05 33 13-1739	EA		2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	66.41 19.92	
26 05 33 13-1740	EA		2-1/2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	69.49 20.85	
26 05 33 13-1741	EA		3", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	72.59 21.78	
26 05 33 13-1742	EA		3-1/2", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	74.14 22.24	
26 05 33 13-1743	EA		4", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	75.67 22.70	
26 05 33 13-1744	EA		5", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	78.77 23.63	
26 05 33 13-1745	EA		6", Cut And Thread Existing In-Place Threaded Conduit..... <i>For Work In Restricted Working Space, Add</i>	81.85 24.56	
<b>26 05 33 13-1746</b>			<b>Flexible Conduit</b> (26 05 33 13-0058)		
<b>26 05 33 13-1747</b>			<b>Flexible Liquid Tight Metallic Conduit And Connectors</b> (26 05 33 13-1746) Note: Steel inner core with PVC cover.		
<b>26 05 33 13-1748</b>			<b>Flexible Liquid Tight Metallic Conduit</b> (26 05 33 13-1747)		
26 05 33 13-1749	LF		3/8" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	5.61 0.63 1.27	1.69
26 05 33 13-1750	LF		1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	5.81 0.63 1.27	1.69
26 05 33 13-1751	LF		3/4" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	7.80 0.85 1.69	2.26
26 05 33 13-1752	LF		1" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	8.90 0.85 1.69	2.26
26 05 33 13-1753	LF		1-1/4" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	11.49 1.06 2.11	2.82
26 05 33 13-1754	LF		1-1/2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	14.69 1.27 2.54	3.38
26 05 33 13-1755	LF		2" Flexible Liquid Tight Metallic Conduit..... <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Work In Restricted Working Space, Add</i>	19.34 1.69 3.38	4.50

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1756	LF		2-1/2" Flexible Liquid Tight Metallic Conduit .....	26.03	5.07
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	1.90	
			<i>For Work In Restricted Working Space, Add</i>	3.80	
26 05 33 13-1757	LF		3" Flexible Liquid Tight Metallic Conduit .....	37.94	6.20
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.32	
			<i>For Work In Restricted Working Space, Add</i>	4.65	
26 05 33 13-1758	LF		4" Flexible Liquid Tight Metallic Conduit .....	51.76	7.88
			<i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i>	2.96	
			<i>For Work In Restricted Working Space, Add</i>	5.92	
<b>26 05 33 13-1759</b>			<b>Straight Liquid Tight Connector</b> <small>(26 05 33 13-1747)</small>		
26 05 33 13-1760	EA		3/8" Straight Liquid Tight Connector .....	15.22	4.50
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-1761	EA		1/2" Straight Liquid Tight Connector .....	15.22	4.50
			<i>For Work In Restricted Working Space, Add</i>	3.38	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.38	
26 05 33 13-1762	EA		3/4" Straight Liquid Tight Connector .....	18.35	5.07
			<i>For Work In Restricted Working Space, Add</i>	3.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.80	
26 05 33 13-1763	EA		1" Straight Liquid Tight Connector .....	24.20	5.64
			<i>For Work In Restricted Working Space, Add</i>	4.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.22	
26 05 33 13-1764	EA		1-1/4" Straight Liquid Tight Connector .....	30.79	6.20
			<i>For Work In Restricted Working Space, Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1765	EA		1-1/2" Straight Liquid Tight Connector .....	38.73	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	
26 05 33 13-1766	EA		2" Straight Liquid Tight Connector .....	52.98	7.88
			<i>For Work In Restricted Working Space, Add</i>	5.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.92	
26 05 33 13-1767	EA		2-1/2" Straight Liquid Tight Connector .....	176.35	10.14
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.61	
26 05 33 13-1768	EA		3" Straight Liquid Tight Connector .....	226.73	10.70
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-1769	EA		4" Straight Liquid Tight Connector .....	278.25	15.77
			<i>For Work In Restricted Working Space, Add</i>	11.83	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.83	
<b>26 05 33 13-1770</b>			<b>90 Degree Angle Liquid Tight Connector</b> <small>(26 05 33 13-1747)</small>		
26 05 33 13-1771	EA		3/8" 90 Degree Angle Liquid Tight Connector .....	22.10	6.20
			<i>For Work In Restricted Working Space, Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1772	EA		1/2" 90 Degree Angle Liquid Tight Connector .....	22.96	6.20
			<i>For Work In Restricted Working Space, Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1773	EA		3/4" 90 Degree Angle Liquid Tight Connector .....	25.88	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	
26 05 33 13-1774	EA		1" 90 Degree Angle Liquid Tight Connector .....	36.04	7.88
			<i>For Work In Restricted Working Space, Add</i>	5.92	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.92	
26 05 33 13-1775	EA		1-1/4" 90 Degree Angle Liquid Tight Connector .....	44.99	8.45
			<i>For Work In Restricted Working Space, Add</i>	6.34	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.34	
26 05 33 13-1776	EA		1-1/2" 90 Degree Angle Liquid Tight Connector .....	54.24	9.02
			<i>For Work In Restricted Working Space, Add</i>	6.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.76	
26 05 33 13-1777	EA		2" 90 Degree Angle Liquid Tight Connector .....	71.26	10.14
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.61	
26 05 33 13-1778	EA		2-1/2" 90 Degree Angle Liquid Tight Connector .....	245.42	10.70
			<i>For Work In Restricted Working Space, Add</i>	8.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-1779	EA		3" 90 Degree Angle Liquid Tight Connector .....	289.92	12.40
			<i>For Work In Restricted Working Space, Add</i>	9.29	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.29	
26 05 33 13-1780	EA		4" 90 Degree Angle Liquid Tight Connector .....	401.77	19.72
			<i>For Work In Restricted Working Space, Add</i>	14.79	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.79	
<b>26 05 33 13-1781</b>			<b>45 Degree Angle Connector</b> <small>(26 05 33 13-1747)</small>		
26 05 33 13-1782	EA		3/8" 45 Degree Angle Liquid Tight Connector .....	21.82	6.20
			<i>For Work In Restricted Working Space, Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1783	EA		1/2" 45 Degree Angle Liquid Tight Connector .....	22.02	6.20
			<i>For Work In Restricted Working Space, Add</i>	4.65	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.65	
26 05 33 13-1784	EA		3/4" 45 Degree Angle Liquid Tight Connector .....	25.88	6.76
			<i>For Work In Restricted Working Space, Add</i>	5.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1785	EA		1" 45 Degree Angle Liquid Tight Connector..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	38.37 5.92 5.92	7.88
26 05 33 13-1786	EA		1-1/4" 45 Degree Angle Liquid Tight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.48 6.34 6.34	8.45
26 05 33 13-1787	EA		1-1/2" 45 Degree Angle Liquid Tight Connector ..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48.61 6.76 6.76	9.02
<b>26 05 33 13-1788</b>			<b>Flexible Metallic Conduit And Connectors</b> (26 05 33 13-1746)		
<b>26 05 33 13-1789</b>			<b>Flexible Steel Conduit</b> (26 05 33 13-1788)		
26 05 33 13-1790	LF		3/8" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	5.20 0.11 0.68 0.45 1.13 1.35	1.84
26 05 33 13-1791	LF		1/2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	5.38 0.13 0.69 0.46 1.16 1.39	1.84
26 05 33 13-1792	LF		3/4" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	6.04 0.17 0.75 0.50 1.25 1.50	2.47
26 05 33 13-1793	LF		1" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	7.31 0.32 0.81 0.54 1.35 1.62	2.47
26 05 33 13-1794	LF		1-1/4" Flexible Metallic Conduit ..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	8.21 0.41 0.86 0.57 1.43 1.71	3.08
26 05 33 13-1795	LF		1-1/2" Flexible Metallic Conduit ..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	10.34 0.73 0.89 0.59 1.49 1.78	3.70
26 05 33 13-1796	LF		2" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	11.57 0.89 0.93 0.62 1.54 1.85	4.93
26 05 33 13-1797	LF		2-1/2" Flexible Steel Conduit ..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	14.24 1.08 1.16 0.77 1.93 2.31	5.54
26 05 33 13-1798	LF		3" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	20.58 1.87 1.39 0.92 2.31 2.77	6.78
26 05 33 13-1799	LF		3-1/2" Flexible Metallic Conduit ..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	25.09 2.36 1.62 1.08 2.70 3.24	7.40
26 05 33 13-1800	LF		4" Flexible Metallic Conduit..... <i>For Flexible Aluminum Conduit, Add</i> <i>For Installation In Concrete Beam, Slab, Etc. (Excludes Concrete), Add</i> <i>For Installation In Metal Stud Wall, Add</i> <i>For Installation In Wood Stud Wall (Includes Drilling), Add</i> <i>For Work In Restricted Working Space, Add</i>	28.83 2.72 1.85 1.23 3.08 3.70	8.63
<b>26 05 33 13-1801</b>			<b>Plain Squeeze Type Straight Connector</b> (26 05 33 13-1788)		
26 05 33 13-1802	EA		3/8" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.68 2.08 2.08	4.93
26 05 33 13-1803	EA		1/2" Flexible Straight Connectors, Plain..... <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.47 2.31 2.31	5.54

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-1804	EA	3/4"	Flexible Straight Connectors, Plain	12.15	6.78
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1805	EA	1"	Flexible Straight Connectors, Plain	18.72	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1806	EA	1-1/4"	Flexible Straight Connectors, Plain	25.87	8.63
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1807	EA	1-1/2"	Flexible Straight Connectors, Plain	33.79	10.48
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 05 33 13-1808	EA	2"	Flexible Straight Connectors, Plain	43.77	10.48
			<i>For Work In Restricted Working Space, Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	
26 05 33 13-1809	EA	2-1/2"	Flexible Straight Connectors, Plain	67.55	12.94
			<i>For Work In Restricted Working Space, Add</i>	8.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09	
26 05 33 13-1810	EA	3"	Flexible Straight Connectors, Plain	87.08	14.18
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1811	EA	3-1/2"	Flexible Straight Connectors, Plain	252.22	16.64
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1812	EA	4"	Flexible Straight Connectors, Plain	313.75	20.34
			<i>For Work In Restricted Working Space, Add</i>	11.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	

**26 05 33 13-1813 Insulated Throat Squeeze Type Straight Connector** (26 05 33 13-1788)

26 05 33 13-1814	EA	1/2"	Flexible Straight Connectors, Insulated	11.42	5.54
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-1815	EA	3/4"	Flexible Straight Connectors, Insulated	13.40	6.78
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1816	EA	1"	Flexible Straight Connectors, Insulated	20.42	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1817	EA	1-1/4"	Flexible Straight Connectors, Insulated	28.99	8.63
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1818	EA	1-1/2"	Flexible Straight Connectors, Insulated	39.34	9.24
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 05 33 13-1819	EA	2"	Flexible Straight Connectors, Insulated	53.58	10.48
			<i>For Work In Restricted Working Space, Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	
26 05 33 13-1820	EA	2-1/2"	Flexible Straight Connectors, Insulated	88.52	12.94
			<i>For Work In Restricted Working Space, Add</i>	8.09	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.09	
26 05 33 13-1821	EA	3"	Flexible Straight Connectors, Insulated	111.81	14.18
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1822	EA	3-1/2"	Flexible Straight Connectors, Insulated	290.34	16.64
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1823	EA	4"	Flexible Straight Connectors, Insulated	371.07	20.34
			<i>For Work In Restricted Working Space, Add</i>	11.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	

**26 05 33 13-1824 Plain Squeeze Type 90 Degree Connector** (26 05 33 13-1788)

26 05 33 13-1825	EA	3/8"	Flexible 90 Degree Connector, Plain	12.03	6.17
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1826	EA	1/2"	Flexible 90 Degree Connector, Plain	15.46	6.78
			<i>For Work In Restricted Working Space, Add</i>	3.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33 13-1827	EA	3/4"	Flexible 90 Degree Connector, Plain	19.64	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1828	EA	1"	Flexible 90 Degree Connector, Plain	26.94	8.63
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1829	EA	1-1/4"	Flexible 90 Degree Connector, Plain	40.39	9.24
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1830	EA	1-1/2"	Flexible 90 Degree Connector, Plain	61.38	10.79
			<i>For Work In Restricted Working Space, Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	
26 05 33 13-1831	EA	2"	Flexible 90 Degree Connector, Plain	73.52	13.25
			<i>For Work In Restricted Working Space, Add</i>	7.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 05 33 13-1832	EA	2-1/2"	Flexible 90 Degree Connector, Plain	154.15	14.18
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1833	EA		3" Flexible 90 Degree Connector, Plain	196.57	16.64
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1834	EA		3-1/2" Flexible 90 Degree Connector, Plain	406.70	20.34
			<i>For Work In Restricted Working Space, Add</i>	11.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	
26 05 33 13-1835	EA		4" Flexible 90 Degree Connector, Plain	719.94	23.12
			<i>For Work In Restricted Working Space, Add</i>	13.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.87	
<b>26 05 33 13-1836 Insulated Throat Squeeze Type 90 Degree Connector (26 05 33 13-1788)</b>					
26 05 33 13-1837	EA		1/2" Flexible 90 Degree Connector, Insulated	16.78	6.78
			<i>For Work In Restricted Working Space, Add</i>	3.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33 13-1838	EA		3/4" Flexible 90 Degree Connector, Insulated	21.26	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1839	EA		1" Flexible 90 Degree Connector, Insulated	26.94	8.63
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1840	EA		1-1/4" Flexible 90 Degree Connector, Insulated	46.18	9.24
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1841	EA		1-1/2" Flexible 90 Degree Connector, Insulated	71.89	10.79
			<i>For Work In Restricted Working Space, Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	
26 05 33 13-1842	EA		2" Flexible 90 Degree Connector, Insulated	90.60	13.25
			<i>For Work In Restricted Working Space, Add</i>	7.86	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.86	
26 05 33 13-1843	EA		2-1/2" Flexible 90 Degree Connector, Insulated	207.56	14.18
			<i>For Work In Restricted Working Space, Add</i>	9.25	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.25	
26 05 33 13-1844	EA		3" Flexible 90 Degree Connector, Insulated	254.44	16.64
			<i>For Work In Restricted Working Space, Add</i>	10.40	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.40	
26 05 33 13-1845	EA		3-1/2" Flexible 90 Degree Connector, Insulated	668.97	20.34
			<i>For Work In Restricted Working Space, Add</i>	11.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	
26 05 33 13-1846	EA		4" Flexible 90 Degree Connector, Insulated	994.62	23.12
			<i>For Work In Restricted Working Space, Add</i>	13.87	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.87	
<b>26 05 33 13-1847 Plain Squeeze Type 45 Degree Connector (26 05 33 13-1788)</b>					
26 05 33 13-1848	EA		3/8" Flexible 45 Degree Connector, Plain	13.09	6.17
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1849	EA		1/2" Flexible 45 Degree Connector, Plain	17.16	6.78
			<i>For Work In Restricted Working Space, Add</i>	3.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33 13-1850	EA		3/4" Flexible 45 Degree Connector, Plain	21.54	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
<b>26 05 33 13-1851 Insulated Squeeze Type 45 Degree Connector (26 05 33 13-1788)</b>					
26 05 33 13-1852	EA		3/8" Flexible 45 Degree Connector, Insulated	13.83	7.40
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1853	EA		1/2" Flexible 45 Degree Connector, Insulated	18.37	6.78
			<i>For Work In Restricted Working Space, Add</i>	3.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33 13-1854	EA		3/4" Flexible 45 Degree Connector, Insulated	23.25	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
<b>26 05 33 13-1855 Plain Screw-In Connector (26 05 33 13-1788)</b>					
26 05 33 13-1856	EA		3/8" Flexible Steel Screw-in Connector, Plain	7.58	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33 13-1857	EA		1/2" Flexible Steel Screw-in Connector, Plain	8.25	5.54
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-1858	EA		3/4" Flexible Steel Screw-in Connector, Plain	10.32	6.78
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1859	EA		1" Flexible Steel Screw-in Connector, Plain	14.51	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1860	EA		1-1/4" Flexible Steel Screw-in Connector, Plain	20.51	8.63
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1861	EA		1-1/2" Flexible Steel Screw-in Connector, Plain	25.21	9.24
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1862	EA		2" Flexible Steel Screw-in Connector, Plain.....	35.45	10.48
			<i>For Work In Restricted Working Space, Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	
<b>26 05 33 13-1863</b>			<b>Insulated Screw-In Connector</b> <small>(26 05 33 13-1788)</small>		
26 05 33 13-1864	EA		3/8" Flexible Steel Screw-in Connector, Insulated.....	7.90	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33 13-1865	EA		1/2" Flexible Steel Screw-in Connector, Insulated.....	8.50	5.54
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-1866	EA		3/4" Flexible Steel Screw-in Connector, Insulated.....	10.97	6.78
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1867	EA		1" Flexible Steel Screw-in Connector, Insulated.....	15.50	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1868	EA		1-1/4" Flexible Steel Screw-in Connector, Insulated.....	21.92	8.63
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1869	EA		1-1/2" Flexible Steel Screw-in Connector, Insulated.....	26.89	9.24
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 05 33 13-1870	EA		2" Flexible Steel Screw-in Connector, Insulated.....	36.94	10.48
			<i>For Work In Restricted Working Space, Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	
<b>26 05 33 13-1871</b>			<b>Screw-In Coupling</b> <small>(26 05 33 13-1788)</small>		
26 05 33 13-1872	EA		1/2" Flexible Steel Screw-in Coupling.....	8.86	5.54
			<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 33 13-1873	EA		3/4" Flexible Steel Screw-in Coupling.....	11.34	6.78
			<i>For Work In Restricted Working Space, Add</i>	2.77	
<b>26 05 33 13-1874</b>			<b>Flexible To Electrical Metallic Tubing (EMT) Coupling</b> <small>(26 05 33 13-1788)</small>		
26 05 33 13-1875	EA		3/8" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	10.86	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.08	
26 05 33 13-1876	EA		1/2" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	14.25	5.54
			<i>For Work In Restricted Working Space, Add</i>	2.31	
26 05 33 13-1877	EA		3/4" Flexible Steel To Electrical Metallic Tubing (EMT) Coupling.....	18.54	6.78
			<i>For Work In Restricted Working Space, Add</i>	2.77	
<b>26 05 33 13-1878</b>			<b>Die Cast Squeeze Type Straight Connector</b> <small>(26 05 33 13-1788)</small>		
26 05 33 13-1879	EA		3/8" Flexible Straight Connector, Die Cast.....	7.78	4.93
			<i>For Work In Restricted Working Space, Add</i>	2.08	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.08	
26 05 33 13-1880	EA		1/2" Flexible Straight Connector, Die Cast.....	8.76	5.54
			<i>For Work In Restricted Working Space, Add</i>	2.31	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.31	
26 05 33 13-1881	EA		3/4" Flexible Straight Connector, Die Cast.....	10.76	6.78
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1882	EA		1" Flexible Straight Connector, Die Cast.....	15.72	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1883	EA		1-1/4" Flexible Straight Connector, Die Cast.....	20.81	8.63
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1884	EA		1-1/2" Flexible Straight Connector, Die Cast.....	27.75	9.24
			<i>For Work In Restricted Working Space, Add</i>	5.78	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.78	
26 05 33 13-1885	EA		2" Flexible Straight Connector, Die Cast.....	35.32	10.48
			<i>For Work In Restricted Working Space, Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	
<b>26 05 33 13-1886</b>			<b>Die Cast Squeeze Type 90 Degree Connector</b> <small>(26 05 33 13-1788)</small>		
26 05 33 13-1887	EA		3/8" Flexible 90 Degree Connector, Die Cast.....	10.31	6.17
			<i>For Work In Restricted Working Space, Add</i>	2.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2.77	
26 05 33 13-1888	EA		1/2" Flexible 90 Degree Connector, Die Cast.....	12.59	6.78
			<i>For Work In Restricted Working Space, Add</i>	3.24	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.24	
26 05 33 13-1889	EA		3/4" Flexible 90 Degree Connector, Die Cast.....	15.04	7.40
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1890	EA		1" Flexible 90 Degree Connector, Die Cast.....	22.57	8.63
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1891	EA		1-1/4" Flexible 90 Degree Connector, Die Cast.....	31.00	9.24
			<i>For Work In Restricted Working Space, Add</i>	5.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5.55	
26 05 33 13-1892	EA		1-1/2" Flexible 90 Degree Connector, Die Cast.....	46.44	10.79
			<i>For Work In Restricted Working Space, Add</i>	6.94	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1893	EA		2" Flexible 90 Degree Connector, Die Cast <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.09 7.86 7.86	13.25
<b>26 05 33 13-1894</b>			<b>Flexible Liquid Tight Non-Metallic Conduit And Connectors</b> <small>(26 05 33 13-1746)</small>		
<b>26 05 33 13-1895</b>			<b>Flexible Liquid Tight Non-Metallic Conduit</b> <small>(26 05 33 13-1894)</small>		
26 05 33 13-1896	LF		3/8" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	5.14 1.27	1.69
26 05 33 13-1897	LF		1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	5.22 1.27	1.69
26 05 33 13-1898	LF		3/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	7.02 1.69	2.26
26 05 33 13-1899	LF		1" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	8.43 1.69	2.26
26 05 33 13-1900	LF		1-1/4" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	10.68 2.11	2.82
26 05 33 13-1901	LF		1-1/2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	13.51 2.54	3.38
26 05 33 13-1902	LF		2" Flexible Liquid Tight Non-Metallic Conduit <i>For Work In Restricted Working Space, Add</i>	17.43 3.38	4.50
<b>26 05 33 13-1903</b>			<b>Liquid Tight Non-Metallic Straight Connector</b> <small>(26 05 33 13-1894)</small>		
26 05 33 13-1904	EA		3/8" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66 3.38 3.38	4.50
26 05 33 13-1905	EA		1/2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.66 3.38 3.38	4.50
26 05 33 13-1906	EA		3/4" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17.71 3.80 3.80	5.07
26 05 33 13-1907	EA		1" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.64 4.22 4.22	5.64
26 05 33 13-1908	EA		1-1/4" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.06 4.65 4.65	6.20
26 05 33 13-1909	EA		1-1/2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.80 5.07 5.07	6.76
26 05 33 13-1910	EA		2" Liquid Tight Non-Metallic Straight Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.38 5.92 5.92	7.88
<b>26 05 33 13-1911</b>			<b>Liquid Tight Non-Metallic 90 Degree Angle Connector</b> <small>(26 05 33 13-1894)</small>		
26 05 33 13-1912	EA		3/8" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.02 4.65 4.65	6.20
26 05 33 13-1913	EA		1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.02 4.65 4.65	6.20
26 05 33 13-1914	EA		3/4" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.41 5.07 5.07	6.76
26 05 33 13-1915	EA		1" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.09 5.92 5.92	7.88
26 05 33 13-1916	EA		1-1/4" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.41 6.34 6.34	8.45
26 05 33 13-1917	EA		1-1/2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.32 6.76 6.76	9.02
26 05 33 13-1918	EA		2" Liquid Tight Non-Metallic 90 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.32 7.61 7.61	10.14
<b>26 05 33 13-1919</b>			<b>Liquid Tight Non-Metallic 45 Degree Angle Connector</b> <small>(26 05 33 13-1894)</small>		
26 05 33 13-1920	EA		3/8" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.02 4.65 4.65	6.20
26 05 33 13-1921	EA		1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.02 4.65 4.65	6.20
26 05 33 13-1922	EA		3/4" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.41 5.07 5.07	6.76
26 05 33 13-1923	EA		1" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35.09 5.92 5.92	7.88
26 05 33 13-1924	EA		1-1/4" Liquid Tight Non-Metallic 45 Degree Angle Connector <i>For Work In Restricted Working Space, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.41 6.34 6.34	8.45

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1925	EA		1-1/2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	55.32	9.02
			<i>For Work In Restricted Working Space, Add</i>	6.76	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6.76	
26 05 33 13-1926	EA		2" Liquid Tight Non-Metallic 45 Degree Angle Connector.....	73.32	10.14
			<i>For Work In Restricted Working Space, Add</i>	7.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7.61	
26 05 33 13-1927			<b>Blue ENT Electrical Non-Metallic Tubing</b> (26 05 33 13-1746)		
			Note: Carlon - FLEX-PLUS.		
26 05 33 13-1928			<b>Blue ENT Electrical Non-Metallic Tubing</b> (26 05 33 13-1927)		
26 05 33 13-1929	LF		1/2" Blue ENT Electrical Non-Metallic Tubing.....	6.26	1.84
			<i>For Work In Restricted Working Space, Add</i>	1.39	
26 05 33 13-1930	LF		3/4" Blue ENT Electrical Non-Metallic Tubing.....	8.46	2.47
			<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 33 13-1931	LF		1" Blue ENT Electrical Non-Metallic Tubing.....	9.87	2.47
			<i>For Work In Restricted Working Space, Add</i>	1.85	
26 05 33 13-1932			<b>Terminal Adapter</b> (26 05 33 13-1927)		
26 05 33 13-1933	EA		1/2" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	15.03	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.70	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3.70	
26 05 33 13-1934	EA		3/4" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	18.81	5.54
			<i>For Work In Restricted Working Space, Add</i>	4.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.16	
26 05 33 13-1935	EA		1" Quick Connect Terminal Adapter For Blue ENT Electrical Non-Metallic Tubing.....	21.75	6.17
			<i>For Work In Restricted Working Space, Add</i>	4.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.62	
26 05 33 13-1936			<b>Coupling</b> (26 05 33 13-1927)		
26 05 33 13-1937	EA		1/2" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	14.68	4.93
			<i>For Work In Restricted Working Space, Add</i>	3.70	
26 05 33 13-1938	EA		3/4" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	16.93	5.54
			<i>For Work In Restricted Working Space, Add</i>	4.16	
26 05 33 13-1939	EA		1" Quick Connect Coupling For Blue ENT Electrical Non-Metallic Tubing.....	19.99	6.17
			<i>For Work In Restricted Working Space, Add</i>	4.62	
26 05 33 13-1940			<b>Metallic Conduit Bodies</b> (26 05 33 13-0058)		
26 05 33 13-1941			<b>Threaded, Cast Aluminum Conduit Body</b> (26 05 33 13-1940)		
			Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), Intermediate Metal Conduit (IMC), or Aluminum Rigid Conduit (ARC)		
26 05 33 13-1942			<b>Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover</b> (26 05 33 13-1941)		
26 05 33 13-1943	EA		1/2" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	77.14	27.04
			<i>For Mogul LB, Add</i>	3.78	
			<i>For Work In Restricted Working Space, Add</i>	20.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.80	
			<i>For Elevated Installation &gt;40', Add</i>	37.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.28	
26 05 33 13-1944	EA		3/4" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	90.42	30.98
			<i>For Mogul LB, Add</i>	5.86	
			<i>For Work In Restricted Working Space, Add</i>	23.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
			<i>For Elevated Installation &gt;40', Add</i>	42.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33 13-1945	EA		1" Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	108.59	36.05
			<i>For Mogul LB, Add</i>	9.34	
			<i>For Work In Restricted Working Space, Add</i>	27.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.03	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.05	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.07	
			<i>For Elevated Installation &gt;40', Add</i>	49.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1946	EA	1-1/4"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	130.36 15.53 30.84 10.28 20.56 25.70 35.98 41.12 51.40 56.54 30.84	41.12
26 05 33 13-1947	EA	1-1/2"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.22 21.04 33.80 11.27 22.53 28.17 39.43 45.06 56.33 61.96 33.80	45.07
26 05 33 13-1948	EA	2"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	192.63 36.32 40.56 13.52 27.04 33.80 47.32 54.08 67.60 74.35 40.56	54.07
26 05 33 13-1949	EA	2-1/2"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	317.23 85.83 57.03 19.01 38.02 47.53 66.54 76.04 95.06 104.56 57.03	76.05
26 05 33 13-1950	EA	3"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	417.61 110.42 76.04 25.35 50.70 63.37 88.72 101.39 126.74 139.41 76.04	101.39
26 05 33 13-1951	EA	3-1/2"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	551.59 160.21 95.06 31.69 63.37 79.21 110.90 126.74 158.43 174.27 95.06	126.74
26 05 33 13-1952	EA	4"	Type LB, Threaded, Two Hub Cast Aluminum Conduit Body With Cover ..... <i>For Mogul LB, Add</i> <i>For Work In Restricted Working Space, Add</i> <i>For Elevated Installation &gt;10' To 15', Add</i> <i>For Elevated Installation &gt;15' To 20', Add</i> <i>For Elevated Installation &gt;20' To 25', Add</i> <i>For Elevated Installation &gt;25' To 30', Add</i> <i>For Elevated Installation &gt;30' To 35', Add</i> <i>For Elevated Installation &gt;35' To 40', Add</i> <i>For Elevated Installation &gt;40', Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	712.05 225.35 115.76 38.59 77.17 96.47 135.05 154.34 192.93 212.22 115.76	154.34

26 05 33 13-1953 Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover (26 05 33 13-1941)



**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1954	EA 1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	78.30	27.04
	For Mogul LB, Add	4.65	
	For Work In Restricted Working Space, Add	20.28	
	For Elevated Installation >10' To 15', Add	6.76	
	For Elevated Installation >15' To 20', Add	13.52	
	For Elevated Installation >20' To 25', Add	16.90	
	For Elevated Installation >25' To 30', Add	23.66	
	For Elevated Installation >30' To 35', Add	27.04	
	For Elevated Installation >35' To 40', Add	33.80	
	For Elevated Installation >40', Add	37.17	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	20.28	
26 05 33 13-1955	EA 3/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	91.55	30.98
	For Mogul LB, Add	6.70	
	For Work In Restricted Working Space, Add	23.24	
	For Elevated Installation >10' To 15', Add	7.75	
	For Elevated Installation >15' To 20', Add	15.49	
	For Elevated Installation >20' To 25', Add	19.36	
	For Elevated Installation >25' To 30', Add	27.11	
	For Elevated Installation >30' To 35', Add	30.98	
	For Elevated Installation >35' To 40', Add	38.73	
	For Elevated Installation >40', Add	42.60	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.24	
26 05 33 13-1956	EA 1" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	110.87	36.05
	For Mogul LB, Add	11.05	
	For Work In Restricted Working Space, Add	27.04	
	For Elevated Installation >10' To 15', Add	9.01	
	For Elevated Installation >15' To 20', Add	18.03	
	For Elevated Installation >20' To 25', Add	22.53	
	For Elevated Installation >25' To 30', Add	31.55	
	For Elevated Installation >30' To 35', Add	36.05	
	For Elevated Installation >35' To 40', Add	45.07	
	For Elevated Installation >40', Add	49.57	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.04	
26 05 33 13-1957	EA 1-1/4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	133.14	41.12
	For Mogul LB, Add	17.62	
	For Work In Restricted Working Space, Add	30.84	
	For Elevated Installation >10' To 15', Add	10.28	
	For Elevated Installation >15' To 20', Add	20.56	
	For Elevated Installation >20' To 25', Add	25.70	
	For Elevated Installation >25' To 30', Add	35.98	
	For Elevated Installation >30' To 35', Add	41.12	
	For Elevated Installation >35' To 40', Add	51.40	
	For Elevated Installation >40', Add	56.54	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	30.84	
26 05 33 13-1958	EA 1-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	152.95	45.07
	For Mogul LB, Add	24.58	
	For Work In Restricted Working Space, Add	33.80	
	For Elevated Installation >10' To 15', Add	11.27	
	For Elevated Installation >15' To 20', Add	22.53	
	For Elevated Installation >20' To 25', Add	28.17	
	For Elevated Installation >25' To 30', Add	39.43	
	For Elevated Installation >30' To 35', Add	45.06	
	For Elevated Installation >35' To 40', Add	56.33	
	For Elevated Installation >40', Add	61.96	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.80	
26 05 33 13-1959	EA 2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	202.78	54.07
	For Mogul LB, Add	43.93	
	For Work In Restricted Working Space, Add	40.56	
	For Elevated Installation >10' To 15', Add	13.52	
	For Elevated Installation >15' To 20', Add	27.04	
	For Elevated Installation >20' To 25', Add	33.80	
	For Elevated Installation >25' To 30', Add	47.32	
	For Elevated Installation >30' To 35', Add	54.08	
	For Elevated Installation >35' To 40', Add	67.60	
	For Elevated Installation >40', Add	74.35	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	40.56	
26 05 33 13-1960	EA 2-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	312.11	76.05
	For Mogul LB, Add	81.99	
	For Work In Restricted Working Space, Add	57.03	
	For Elevated Installation >10' To 15', Add	19.01	
	For Elevated Installation >15' To 20', Add	38.02	
	For Elevated Installation >20' To 25', Add	47.53	
	For Elevated Installation >25' To 30', Add	66.54	
	For Elevated Installation >30' To 35', Add	76.04	
	For Elevated Installation >35' To 40', Add	95.06	
	For Elevated Installation >40', Add	104.56	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	57.03	
26 05 33 13-1961	EA 3" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover .....	400.39	101.39
	For Mogul LB, Add	97.51	
	For Work In Restricted Working Space, Add	76.04	
	For Elevated Installation >10' To 15', Add	25.35	
	For Elevated Installation >15' To 20', Add	50.70	
	For Elevated Installation >20' To 25', Add	63.37	
	For Elevated Installation >25' To 30', Add	88.72	
	For Elevated Installation >30' To 35', Add	101.39	
	For Elevated Installation >35' To 40', Add	126.74	
	For Elevated Installation >40', Add	139.41	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	76.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1962	EA		3-1/2" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	566.28	126.74
			For Mogul LB, Add	171.23	
			For Work In Restricted Working Space, Add	95.06	
			For Elevated Installation >10' To 15', Add	31.69	
			For Elevated Installation >15' To 20', Add	63.37	
			For Elevated Installation >20' To 25', Add	79.21	
			For Elevated Installation >25' To 30', Add	110.90	
			For Elevated Installation >30' To 35', Add	126.74	
			For Elevated Installation >35' To 40', Add	158.43	
			For Elevated Installation >40', Add	174.27	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	95.06	
26 05 33 13-1963	EA		4" Type LL Or LR, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	742.07	154.34
			For Mogul LB, Add	247.86	
			For Work In Restricted Working Space, Add	115.76	
			For Elevated Installation >10' To 15', Add	38.59	
			For Elevated Installation >15' To 20', Add	77.17	
			For Elevated Installation >20' To 25', Add	96.47	
			For Elevated Installation >25' To 30', Add	135.05	
			For Elevated Installation >30' To 35', Add	154.34	
			For Elevated Installation >35' To 40', Add	192.93	
			For Elevated Installation >40', Add	212.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	115.76	
26 05 33 13-1964			Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover <sup>(26 05 33 13-1941)</sup> .....		
26 05 33 13-1965	EA		1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	90.11	30.98
			For Work In Restricted Working Space, Add	23.24	
			For Elevated Installation >10' To 15', Add	7.75	
			For Elevated Installation >15' To 20', Add	15.49	
			For Elevated Installation >20' To 25', Add	19.36	
			For Elevated Installation >25' To 30', Add	27.11	
			For Elevated Installation >30' To 35', Add	30.98	
			For Elevated Installation >35' To 40', Add	38.73	
			For Elevated Installation >40', Add	42.60	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	23.24	
26 05 33 13-1966	EA		3/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	106.43	36.05
			For Work In Restricted Working Space, Add	27.04	
			For Elevated Installation >10' To 15', Add	9.01	
			For Elevated Installation >15' To 20', Add	18.03	
			For Elevated Installation >20' To 25', Add	22.53	
			For Elevated Installation >25' To 30', Add	31.55	
			For Elevated Installation >30' To 35', Add	36.05	
			For Elevated Installation >35' To 40', Add	45.07	
			For Elevated Installation >40', Add	49.57	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.04	
26 05 33 13-1967	EA		1" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	121.65	39.43
			For Work In Restricted Working Space, Add	29.57	
			For Elevated Installation >10' To 15', Add	9.86	
			For Elevated Installation >15' To 20', Add	19.72	
			For Elevated Installation >20' To 25', Add	24.65	
			For Elevated Installation >25' To 30', Add	34.50	
			For Elevated Installation >30' To 35', Add	39.43	
			For Elevated Installation >35' To 40', Add	49.29	
			For Elevated Installation >40', Add	54.22	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	29.57	
26 05 33 13-1968	EA		1-1/4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	147.63	45.07
			For Work In Restricted Working Space, Add	33.80	
			For Elevated Installation >10' To 15', Add	11.27	
			For Elevated Installation >15' To 20', Add	22.53	
			For Elevated Installation >20' To 25', Add	28.17	
			For Elevated Installation >25' To 30', Add	39.43	
			For Elevated Installation >30' To 35', Add	45.06	
			For Elevated Installation >35' To 40', Add	56.33	
			For Elevated Installation >40', Add	61.96	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	33.80	
26 05 33 13-1969	EA		1-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	169.36	49.57
			For Work In Restricted Working Space, Add	37.18	
			For Elevated Installation >10' To 15', Add	12.39	
			For Elevated Installation >15' To 20', Add	24.78	
			For Elevated Installation >20' To 25', Add	30.98	
			For Elevated Installation >25' To 30', Add	43.37	
			For Elevated Installation >30' To 35', Add	49.57	
			For Elevated Installation >35' To 40', Add	61.96	
			For Elevated Installation >40', Add	68.16	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	37.18	
26 05 33 13-1970	EA		2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	222.76	58.02
			For Work In Restricted Working Space, Add	43.51	
			For Elevated Installation >10' To 15', Add	14.50	
			For Elevated Installation >15' To 20', Add	29.01	
			For Elevated Installation >20' To 25', Add	36.26	
			For Elevated Installation >25' To 30', Add	50.76	
			For Elevated Installation >30' To 35', Add	58.02	
			For Elevated Installation >35' To 40', Add	72.52	
			For Elevated Installation >40', Add	79.77	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	43.51	

**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 33 13-1971	EA 2-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	348.56	84.49
	<i>For Work In Restricted Working Space, Add</i>	63.37	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	21.12	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	42.25	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	52.81	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	73.93	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	84.49	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	105.62	
	<i>For Elevated Installation &gt;40', Add</i>	116.18	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.37	
26 05 33 13-1972	EA 3" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	450.65	109.84
	<i>For Work In Restricted Working Space, Add</i>	82.38	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	27.46	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	54.92	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	68.65	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	96.11	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	109.84	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	137.30	
	<i>For Elevated Installation &gt;40', Add</i>	151.03	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.38	
26 05 33 13-1973	EA 3-1/2" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	703.61	135.19
	<i>For Work In Restricted Working Space, Add</i>	101.39	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	33.80	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	67.59	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	84.49	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	118.29	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	135.19	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	168.99	
	<i>For Elevated Installation &gt;40', Add</i>	185.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.39	
26 05 33 13-1974	EA 4" Type T, Threaded, Three Hub Cast Aluminum Conduit Body With Cover.....	809.57	162.79
	<i>For Work In Restricted Working Space, Add</i>	122.09	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	40.70	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	81.40	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	101.75	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	142.44	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	162.79	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	203.49	
	<i>For Elevated Installation &gt;40', Add</i>	223.84	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.09	
26 05 33 13-1975	Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33</small>		
	<small>13-1941)</small>		
26 05 33 13-1976	EA 1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	78.54	27.04
	<i>For Work In Restricted Working Space, Add</i>	20.28	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	13.52	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	16.90	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	23.66	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	27.04	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	33.80	
	<i>For Elevated Installation &gt;40', Add</i>	37.17	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.28	
26 05 33 13-1977	EA 3/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	90.75	30.98
	<i>For Work In Restricted Working Space, Add</i>	23.24	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	19.36	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
	<i>For Elevated Installation &gt;40', Add</i>	42.60	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33 13-1978	EA 1" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	108.53	35.49
	<i>For Work In Restricted Working Space, Add</i>	26.62	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	8.87	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	17.74	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	22.18	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	31.05	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	35.49	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	44.36	
	<i>For Elevated Installation &gt;40', Add</i>	48.80	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	
26 05 33 13-1979	EA 1-1/4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	132.04	41.12
	<i>For Work In Restricted Working Space, Add</i>	30.84	
	<i>For Elevated Installation &gt;10' To 15', Add</i>	10.28	
	<i>For Elevated Installation &gt;15' To 20', Add</i>	20.56	
	<i>For Elevated Installation &gt;20' To 25', Add</i>	25.70	
	<i>For Elevated Installation &gt;25' To 30', Add</i>	35.98	
	<i>For Elevated Installation &gt;30' To 35', Add</i>	41.12	
	<i>For Elevated Installation &gt;35' To 40', Add</i>	51.40	
	<i>For Elevated Installation &gt;40', Add</i>	56.54	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.84	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1980	EA		1-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	147.45	45.07
			<i>For Work In Restricted Working Space, Add</i>	33.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
			<i>For Elevated Installation &gt;40', Add</i>	61.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 05 33 13-1981	EA		2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	192.71	54.07
			<i>For Work In Restricted Working Space, Add</i>	40.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	27.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	54.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	67.60	
			<i>For Elevated Installation &gt;40', Add</i>	74.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.56	
26 05 33 13-1982	EA		2-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	307.79	76.05
			<i>For Work In Restricted Working Space, Add</i>	57.03	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	47.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	66.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	76.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	95.06	
			<i>For Elevated Installation &gt;40', Add</i>	104.56	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.03	
26 05 33 13-1983	EA		3" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	397.63	101.39
			<i>For Work In Restricted Working Space, Add</i>	76.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	63.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	88.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	101.39	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	126.74	
			<i>For Elevated Installation &gt;40', Add</i>	139.41	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.04	
26 05 33 13-1984	EA		3-1/2" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	557.45	126.74
			<i>For Work In Restricted Working Space, Add</i>	95.06	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	63.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	79.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	110.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	126.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	158.43	
			<i>For Elevated Installation &gt;40', Add</i>	174.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.06	
26 05 33 13-1985	EA		4" Type C, Threaded, Two Hub Cast Aluminum Conduit Body With Cover.....	714.81	154.34
			<i>For Work In Restricted Working Space, Add</i>	115.76	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	38.59	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	77.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	96.47	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	135.05	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	154.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	192.93	
			<i>For Elevated Installation &gt;40', Add</i>	212.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.76	
26 05 33 13-1986			Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover <small>(26 05 33 13-1941)</small>		
26 05 33 13-1987	EA		1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	104.26	35.49
			<i>For Work In Restricted Working Space, Add</i>	26.62	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.05	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	44.36	
			<i>For Elevated Installation &gt;40', Add</i>	48.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	
26 05 33 13-1988	EA		3/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	119.60	39.43
			<i>For Work In Restricted Working Space, Add</i>	29.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.29	
			<i>For Elevated Installation &gt;40', Add</i>	54.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.57	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

26 05 33 13-1989	EA	1" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	143.99	43.37
		<i>For Work In Restricted Working Space, Add</i>	32.53	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	10.84	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	21.69	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	27.11	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	37.95	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	43.37	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	54.22	
		<i>For Elevated Installation &gt;40', Add</i>	59.64	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.53	
26 05 33 13-1990	EA	1-1/4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	165.79	49.57
		<i>For Work In Restricted Working Space, Add</i>	37.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	43.37	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	49.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	61.96	
		<i>For Elevated Installation &gt;40', Add</i>	68.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.18	
26 05 33 13-1991	EA	1-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	208.53	54.07
		<i>For Work In Restricted Working Space, Add</i>	40.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	13.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	27.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	33.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	47.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	54.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	67.60	
		<i>For Elevated Installation &gt;40', Add</i>	74.35	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.56	
26 05 33 13-1992	EA	2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	252.65	66.47
		<i>For Work In Restricted Working Space, Add</i>	49.85	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	16.62	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	33.23	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	41.54	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	58.16	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	66.47	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	83.09	
		<i>For Elevated Installation &gt;40', Add</i>	91.39	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.85	
26 05 33 13-1993	EA	2-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	458.20	97.45
		<i>For Work In Restricted Working Space, Add</i>	73.09	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	24.36	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	48.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	60.91	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	85.27	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	97.45	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	121.82	
		<i>For Elevated Installation &gt;40', Add</i>	134.00	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.09	
26 05 33 13-1994	EA	3" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	568.21	126.74
		<i>For Work In Restricted Working Space, Add</i>	95.06	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	31.69	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	63.37	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	79.21	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	110.90	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	126.74	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	158.43	
		<i>For Elevated Installation &gt;40', Add</i>	174.27	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.06	
26 05 33 13-1995	EA	3-1/2" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	799.70	156.60
		<i>For Work In Restricted Working Space, Add</i>	118.29	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	39.43	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	78.86	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	98.58	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	138.01	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	157.72	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	197.15	
		<i>For Elevated Installation &gt;40', Add</i>	216.87	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.29	
26 05 33 13-1996	EA	4" Type X, Threaded, Four Hub Cast Aluminum Conduit Body With Cover.....	964.91	188.14
		<i>For Work In Restricted Working Space, Add</i>	141.11	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	47.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	94.07	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	117.59	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	164.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	188.14	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	235.18	
		<i>For Elevated Installation &gt;40', Add</i>	258.69	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.11	

26 05 33 13-1997 Threaded, Malleable Iron Conduit Body (26 05 33 13-1940)  
 Note: For use with Rigid Galvanized Steel (RGS), Galvanized Rigid Steel Conduit (GRC), or Intermediate Metal Conduit (IMC)

26 05 33 13-1998 Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover (26 05 33 13-1997)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-1999	EA		1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	80.39	27.04
			<i>For Work In Restricted Working Space, Add</i>	20.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.80	
			<i>For Elevated Installation &gt;40', Add</i>	37.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.28	
26 05 33 13-2000	EA		3/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	93.14	30.98
			<i>For Work In Restricted Working Space, Add</i>	23.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.36	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
			<i>For Elevated Installation &gt;40', Add</i>	42.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33 13-2001	EA		1" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	113.51	36.05
			<i>For Work In Restricted Working Space, Add</i>	27.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	18.03	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.55	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	36.05	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	45.07	
			<i>For Elevated Installation &gt;40', Add</i>	49.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.04	
26 05 33 13-2002	EA		1-1/4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	144.75	41.12
			<i>For Work In Restricted Working Space, Add</i>	30.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	41.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	51.40	
			<i>For Elevated Installation &gt;40', Add</i>	56.54	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.84	
26 05 33 13-2003	EA		1-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	164.12	45.07
			<i>For Work In Restricted Working Space, Add</i>	33.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
			<i>For Elevated Installation &gt;40', Add</i>	61.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 05 33 13-2004	EA		2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	221.31	54.07
			<i>For Work In Restricted Working Space, Add</i>	40.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	27.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	54.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	67.60	
			<i>For Elevated Installation &gt;40', Add</i>	74.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.56	
26 05 33 13-2005	EA		2-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	366.40	76.05
			<i>For Work In Restricted Working Space, Add</i>	57.04	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	19.01	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	38.02	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	47.53	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	66.54	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	76.05	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	95.06	
			<i>For Elevated Installation &gt;40', Add</i>	104.57	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.04	
26 05 33 13-2006	EA		3" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	516.46	101.39
			<i>For Work In Restricted Working Space, Add</i>	76.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	63.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	88.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	101.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	126.75	
			<i>For Elevated Installation &gt;40', Add</i>	139.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.05	
26 05 33 13-2007	EA		3-1/2" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover	706.18	126.74
			<i>For Work In Restricted Working Space, Add</i>	95.06	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	63.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	79.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	110.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	126.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	158.43	
			<i>For Elevated Installation &gt;40', Add</i>	174.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.06	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 05 33 13-2008	EA	4" Type LB, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	846.24	154.34
		<i>For Work In Restricted Working Space, Add</i>	115.76	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	38.59	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	77.17	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	96.47	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	135.05	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	154.35	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	192.94	
		<i>For Elevated Installation &gt;40', Add</i>	212.23	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.76	

**26 05 33 13-2009 Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover** (26 05 33 13-1997)

26 05 33 13-2010	EA	1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	83.35	27.04
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.28	
26 05 33 13-2011	EA	3/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	94.01	30.98
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33 13-2012	EA	1" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	118.04	36.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.04	
26 05 33 13-2013	EA	1-1/4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	147.78	41.12
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.84	
26 05 33 13-2014	EA	1-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	167.83	45.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 05 33 13-2015	EA	2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	213.70	54.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.56	
26 05 33 13-2016	EA	2-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	324.13	76.05
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.04	
26 05 33 13-2017	EA	3" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	440.46	101.39
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.05	
26 05 33 13-2018	EA	3-1/2" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	750.94	126.74
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.06	
26 05 33 13-2019	EA	4" Type LL Or LR, Threaded, Two Hub Malleable Iron Conduit Body With Cover .....	879.26	154.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.76	

**26 05 33 13-2020 Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover** (26 05 33 13-1997)

26 05 33 13-2021	EA	1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	98.58	30.98
		<i>For Work In Restricted Working Space, Add</i>	23.24	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.36	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
		<i>For Elevated Installation &gt;40', Add</i>	42.60	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33 13-2022	EA	3/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	116.24	36.05
		<i>For Work In Restricted Working Space, Add</i>	27.46	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.15	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	18.31	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	22.88	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	32.04	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	36.61	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	45.77	
		<i>For Elevated Installation &gt;40', Add</i>	50.34	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.46	
26 05 33 13-2023	EA	1" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	135.95	39.43
		<i>For Work In Restricted Working Space, Add</i>	29.57	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	9.86	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	19.72	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	24.65	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	34.50	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	39.43	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	49.29	
		<i>For Elevated Installation &gt;40', Add</i>	54.22	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.57	
26 05 33 13-2024	EA	1-1/4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	169.16	45.07
		<i>For Work In Restricted Working Space, Add</i>	33.38	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	11.13	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	22.25	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	27.81	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	38.94	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	44.50	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	55.63	
		<i>For Elevated Installation &gt;40', Add</i>	61.19	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.38	
26 05 33 13-2025	EA	1-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	193.51	49.57
		<i>For Work In Restricted Working Space, Add</i>	37.18	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	12.39	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	24.78	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	30.98	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	43.37	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	49.57	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	61.96	
		<i>For Elevated Installation &gt;40', Add</i>	68.16	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2026	EA		2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	254.06	58.02
			<i>For Work In Restricted Working Space, Add</i>	43.51	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	14.50	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	29.01	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	36.26	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	50.76	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	58.02	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	72.52	
			<i>For Elevated Installation &gt;40', Add</i>	79.77	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	43.51	
26 05 33 13-2027	EA		2-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	325.61	84.49
			<i>For Work In Restricted Working Space, Add</i>	63.37	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	21.12	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	42.25	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	52.81	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	73.93	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	84.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	105.62	
			<i>For Elevated Installation &gt;40', Add</i>	116.18	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.37	
26 05 33 13-2028	EA		3" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	464.66	109.84
			<i>For Work In Restricted Working Space, Add</i>	82.38	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	27.46	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	54.92	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	68.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	96.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	109.84	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	137.30	
			<i>For Elevated Installation &gt;40', Add</i>	151.03	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82.38	
26 05 33 13-2029	EA		3-1/2" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover .....	792.72	135.19
			<i>For Work In Restricted Working Space, Add</i>	101.39	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	33.80	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	67.59	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	84.49	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	118.29	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	135.19	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	168.99	
			<i>For Elevated Installation &gt;40', Add</i>	185.88	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.39	
26 05 33 13-2030	EA		4" Type T, Threaded, Three Hub Malleable Iron Conduit Body With Cover.....	919.64	162.79
			<i>For Work In Restricted Working Space, Add</i>	122.52	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	40.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	81.68	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	102.10	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	142.94	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	163.36	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	204.20	
			<i>For Elevated Installation &gt;40', Add</i>	224.61	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	122.52	
26 05 33 13-2031			Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover <small>(26 05 33 13-1997)</small>		
26 05 33 13-2032	EA		1/2" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	80.61	27.04
			<i>For Work In Restricted Working Space, Add</i>	20.28	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	6.76	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	13.52	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	16.90	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	23.66	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	27.04	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	33.80	
			<i>For Elevated Installation &gt;40', Add</i>	37.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.28	
26 05 33 13-2033	EA		3/4" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	96.98	30.98
			<i>For Work In Restricted Working Space, Add</i>	23.24	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	7.75	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	15.49	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	19.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	27.11	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	30.98	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	38.73	
			<i>For Elevated Installation &gt;40', Add</i>	42.60	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.24	
26 05 33 13-2034	EA		1" Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	113.18	35.49
			<i>For Work In Restricted Working Space, Add</i>	26.62	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.75	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.06	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	44.37	
			<i>For Elevated Installation &gt;40', Add</i>	48.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2035	EA	1-1/4"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	150.34	41.12
			<i>For Work In Restricted Working Space, Add</i>	30.84	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.28	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	20.56	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	25.70	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	35.98	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	41.12	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	51.41	
			<i>For Elevated Installation &gt;40', Add</i>	56.55	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.84	
26 05 33 13-2036	EA	1-1/2"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	174.58	45.07
			<i>For Work In Restricted Working Space, Add</i>	33.80	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	11.27	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	22.53	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	28.17	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	39.43	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	45.06	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	56.33	
			<i>For Elevated Installation &gt;40', Add</i>	61.96	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.80	
26 05 33 13-2037	EA	2"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	224.30	54.07
			<i>For Work In Restricted Working Space, Add</i>	40.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	27.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	54.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	67.60	
			<i>For Elevated Installation &gt;40', Add</i>	74.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.56	
26 05 33 13-2038	EA	2-1/2"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	509.64	142.66
			<i>For Work In Restricted Working Space, Add</i>	106.94	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	35.65	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	71.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	89.12	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	124.77	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	142.59	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	178.24	
			<i>For Elevated Installation &gt;40', Add</i>	196.06	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	106.94	
26 05 33 13-2039	EA	3"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	472.38	101.39
			<i>For Work In Restricted Working Space, Add</i>	76.05	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	25.35	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	50.70	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	63.37	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	88.72	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	101.40	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	126.75	
			<i>For Elevated Installation &gt;40', Add</i>	139.42	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	76.05	
26 05 33 13-2040	EA	3-1/2"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	750.94	126.74
			<i>For Work In Restricted Working Space, Add</i>	95.06	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	63.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	79.22	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	110.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	126.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	158.43	
			<i>For Elevated Installation &gt;40', Add</i>	174.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.06	
26 05 33 13-2041	EA	4"	Type C, Threaded, Two Hub Malleable Iron Conduit Body With Cover.....	879.23	154.34
			<i>For Work In Restricted Working Space, Add</i>	115.75	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	38.58	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	77.17	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	96.46	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	135.04	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	154.34	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	192.92	
			<i>For Elevated Installation &gt;40', Add</i>	212.21	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	115.75	
26 05 33 13-2042			<b>Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover</b> <small>(26 05 33 13-1997)</small>		
26 05 33 13-2043	EA	1/2"	Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover.....	112.15	35.49
			<i>For Work In Restricted Working Space, Add</i>	26.62	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	8.87	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	17.74	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	22.18	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	31.05	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	35.49	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	44.36	
			<i>For Elevated Installation &gt;40', Add</i>	48.80	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 13-2044	EA		3/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	122.88	39.43
			<i>For Work In Restricted Working Space, Add</i>	29.57	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	9.86	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	19.72	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	24.65	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	34.50	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	39.43	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	49.29	
			<i>For Elevated Installation &gt;40', Add</i>	54.22	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29.57	
26 05 33 13-2045	EA		1" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	141.78	43.37
			<i>For Work In Restricted Working Space, Add</i>	32.53	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	10.84	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	21.69	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	27.11	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	37.95	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	43.37	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	54.22	
			<i>For Elevated Installation &gt;40', Add</i>	59.64	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.53	
26 05 33 13-2046	EA		1-1/4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	167.95	49.57
			<i>For Work In Restricted Working Space, Add</i>	37.18	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	12.39	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	24.78	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	30.98	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	43.37	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	49.57	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	61.96	
			<i>For Elevated Installation &gt;40', Add</i>	68.16	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	37.18	
26 05 33 13-2047	EA		1-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	192.64	54.07
			<i>For Work In Restricted Working Space, Add</i>	40.56	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	13.52	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	27.04	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	33.80	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	47.32	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	54.08	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	67.60	
			<i>For Elevated Installation &gt;40', Add</i>	74.35	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.56	
26 05 33 13-2048	EA		2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	266.18	66.47
			<i>For Work In Restricted Working Space, Add</i>	49.85	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	16.62	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	33.23	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	41.54	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	58.16	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	66.47	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	83.09	
			<i>For Elevated Installation &gt;40', Add</i>	91.39	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.85	
26 05 33 13-2049	EA		2-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	422.20	97.45
			<i>For Work In Restricted Working Space, Add</i>	73.09	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	24.36	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	48.73	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	60.91	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	85.27	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	97.45	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	121.82	
			<i>For Elevated Installation &gt;40', Add</i>	134.00	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.09	
26 05 33 13-2050	EA		3" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	613.58	126.74
			<i>For Work In Restricted Working Space, Add</i>	95.06	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	31.69	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	63.37	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	79.21	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	110.90	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	126.74	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	158.43	
			<i>For Elevated Installation &gt;40', Add</i>	174.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.06	
26 05 33 13-2051	EA		3-1/2" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	904.62	156.60
			<i>For Work In Restricted Working Space, Add</i>	117.45	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	39.15	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	78.30	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	97.87	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	137.02	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	156.60	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	195.75	
			<i>For Elevated Installation &gt;40', Add</i>	215.32	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.45	
26 05 33 13-2052	EA		4" Type X, Threaded, Four Hub Malleable Iron Conduit Body With Cover .....	1,015.17	188.14
			<i>For Work In Restricted Working Space, Add</i>	141.11	
			<i>For Elevated Installation &gt;10' To 15', Add</i>	47.04	
			<i>For Elevated Installation &gt;15' To 20', Add</i>	94.07	
			<i>For Elevated Installation &gt;20' To 25', Add</i>	117.59	
			<i>For Elevated Installation &gt;25' To 30', Add</i>	164.62	
			<i>For Elevated Installation &gt;30' To 35', Add</i>	188.14	
			<i>For Elevated Installation &gt;35' To 40', Add</i>	235.18	
			<i>For Elevated Installation &gt;40', Add</i>	258.69	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.11	



**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 33 Raceway and Boxes for Electrical Systems**



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 13-2053		<b>Set Screw, Cast Aluminum Conduit Body</b> <small>(26 05 33 13-1940)</small>			
		Note: For use with Electrical Metallic Tubing (EMT)			
26 05 33 13-2054		<b>Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2053)</small>			
26 05 33 13-2055	EA	1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	37.87		10.70
		<i>For Work In Restricted Working Space, Add</i>	8.03		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.37		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38		
		<i>For Elevated Installation &gt;40', Add</i>	14.72		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03		
26 05 33 13-2056	EA	3/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	48.56		14.08
		<i>For Work In Restricted Working Space, Add</i>	10.56		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61		
		<i>For Elevated Installation &gt;40', Add</i>	19.37		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56		
26 05 33 13-2057	EA	1" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	65.21		17.46
		<i>For Work In Restricted Working Space, Add</i>	13.10		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.37		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.73		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.91		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.28		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.46		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.83		
		<i>For Elevated Installation &gt;40', Add</i>	24.01		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.10		
26 05 33 13-2058	EA	1-1/4" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	84.17		21.40
		<i>For Work In Restricted Working Space, Add</i>	16.05		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.35		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.70		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.38		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.73		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.40		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.76		
		<i>For Elevated Installation &gt;40', Add</i>	29.43		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.05		
26 05 33 13-2059	EA	1-1/2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	109.67		24.78
		<i>For Work In Restricted Working Space, Add</i>	18.59		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.20		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.69		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.79		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.99		
		<i>For Elevated Installation &gt;40', Add</i>	34.08		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.59		
26 05 33 13-2060	EA	2" Type LB, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	143.82		28.16
		<i>For Work In Restricted Working Space, Add</i>	21.12		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21		
		<i>For Elevated Installation &gt;40', Add</i>	38.73		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12		
26 05 33 13-2061		<b>Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2053)</small>			
26 05 33 13-2062	EA	1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	38.18		10.70
		<i>For Work In Restricted Working Space, Add</i>	8.03		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.37		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38		
		<i>For Elevated Installation &gt;40', Add</i>	14.72		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03		
26 05 33 13-2063	EA	3/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	49.74		14.08
		<i>For Work In Restricted Working Space, Add</i>	10.56		
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52		
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04		
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80		
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32		
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08		
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61		
		<i>For Elevated Installation &gt;40', Add</i>	19.37		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56		

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 13-2064	EA 1" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....		61.13	17.46
	For Work In Restricted Working Space, Add		13.10	
	For Elevated Installation >10' To 15', Add		4.37	
	For Elevated Installation >15' To 20', Add		8.73	
	For Elevated Installation >20' To 25', Add		10.91	
	For Elevated Installation >25' To 30', Add		15.28	
	For Elevated Installation >30' To 35', Add		17.46	
	For Elevated Installation >35' To 40', Add		21.83	
	For Elevated Installation >40', Add		24.01	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		13.10	
26 05 33 13-2065	EA 1-1/4" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....		83.83	21.40
	For Work In Restricted Working Space, Add		16.05	
	For Elevated Installation >10' To 15', Add		5.35	
	For Elevated Installation >15' To 20', Add		10.70	
	For Elevated Installation >20' To 25', Add		13.38	
	For Elevated Installation >25' To 30', Add		18.73	
	For Elevated Installation >30' To 35', Add		21.40	
	For Elevated Installation >35' To 40', Add		26.76	
	For Elevated Installation >40', Add		29.43	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		16.05	
26 05 33 13-2066	EA 1-1/2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....		102.89	24.78
	For Work In Restricted Working Space, Add		18.59	
	For Elevated Installation >10' To 15', Add		6.20	
	For Elevated Installation >15' To 20', Add		12.39	
	For Elevated Installation >20' To 25', Add		15.49	
	For Elevated Installation >25' To 30', Add		21.69	
	For Elevated Installation >30' To 35', Add		24.79	
	For Elevated Installation >35' To 40', Add		30.99	
	For Elevated Installation >40', Add		34.08	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		18.59	
26 05 33 13-2067	EA 2" Type LL Or LR, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover .....		143.23	28.16
	For Work In Restricted Working Space, Add		21.12	
	For Elevated Installation >10' To 15', Add		7.04	
	For Elevated Installation >15' To 20', Add		14.08	
	For Elevated Installation >20' To 25', Add		17.60	
	For Elevated Installation >25' To 30', Add		24.64	
	For Elevated Installation >30' To 35', Add		28.16	
	For Elevated Installation >35' To 40', Add		35.21	
	For Elevated Installation >40', Add		38.73	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		21.12	
26 05 33 13-2068	Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover <sup>(26)</sup>			
	<small>05 33 13-2063</small>			
26 05 33 13-2069	EA 1 1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....		49.20	14.08
	For Work In Restricted Working Space, Add		10.56	
	For Elevated Installation >10' To 15', Add		3.52	
	For Elevated Installation >15' To 20', Add		7.04	
	For Elevated Installation >20' To 25', Add		8.80	
	For Elevated Installation >25' To 30', Add		12.32	
	For Elevated Installation >30' To 35', Add		14.08	
	For Elevated Installation >35' To 40', Add		17.61	
	For Elevated Installation >40', Add		19.37	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		10.56	
26 05 33 13-2070	EA 3/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....		63.81	17.46
	For Work In Restricted Working Space, Add		13.10	
	For Elevated Installation >10' To 15', Add		4.37	
	For Elevated Installation >15' To 20', Add		8.73	
	For Elevated Installation >20' To 25', Add		10.91	
	For Elevated Installation >25' To 30', Add		15.28	
	For Elevated Installation >30' To 35', Add		17.46	
	For Elevated Installation >35' To 40', Add		21.83	
	For Elevated Installation >40', Add		24.01	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		13.10	
26 05 33 13-2071	EA 1" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....		77.07	21.40
	For Work In Restricted Working Space, Add		16.05	
	For Elevated Installation >10' To 15', Add		5.35	
	For Elevated Installation >15' To 20', Add		10.70	
	For Elevated Installation >20' To 25', Add		13.38	
	For Elevated Installation >25' To 30', Add		18.73	
	For Elevated Installation >30' To 35', Add		21.40	
	For Elevated Installation >35' To 40', Add		26.76	
	For Elevated Installation >40', Add		29.43	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		16.05	
26 05 33 13-2072	EA 1-1/4" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover .....		105.45	24.78
	For Work In Restricted Working Space, Add		19.43	
	For Elevated Installation >10' To 15', Add		6.48	
	For Elevated Installation >15' To 20', Add		12.95	
	For Elevated Installation >20' To 25', Add		16.19	
	For Elevated Installation >25' To 30', Add		22.67	
	For Elevated Installation >30' To 35', Add		25.91	
	For Elevated Installation >35' To 40', Add		32.39	
	For Elevated Installation >40', Add		35.62	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add		19.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

26 05 33 13-2073	EA	1-1/2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	134.36	28.16
		<i>For Work In Restricted Working Space, Add</i>	22.82	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.61	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	15.21	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	19.01	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	26.62	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	30.42	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	38.03	
		<i>For Elevated Installation &gt;40', Add</i>	41.83	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22.82	
26 05 33 13-2074	EA	2" Type T, Set Screw, Three Hub Cast Aluminum Conduit Body With Cover	178.94	31.54
		<i>For Work In Restricted Working Space, Add</i>	26.19	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	8.73	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	17.46	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	21.83	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	30.56	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	34.92	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	43.66	
		<i>For Elevated Installation &gt;40', Add</i>	48.02	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.19	
26 05 33 13-2075		<b>Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover</b> <small>(26 05 33 13-2053)</small>		
26 05 33 13-2076	EA	1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	39.17	10.70
		<i>For Work In Restricted Working Space, Add</i>	8.03	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	2.68	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	5.35	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	6.69	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	9.37	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	10.70	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	13.38	
		<i>For Elevated Installation &gt;40', Add</i>	14.72	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8.03	
26 05 33 13-2077	EA	3/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	52.34	14.08
		<i>For Work In Restricted Working Space, Add</i>	10.56	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	3.52	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	7.04	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	8.80	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	12.32	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	14.08	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	17.61	
		<i>For Elevated Installation &gt;40', Add</i>	19.37	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10.56	
26 05 33 13-2078	EA	1" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	66.69	17.46
		<i>For Work In Restricted Working Space, Add</i>	13.10	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	4.37	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	8.73	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	10.91	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	15.28	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	17.46	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	21.83	
		<i>For Elevated Installation &gt;40', Add</i>	24.01	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.10	
26 05 33 13-2079	EA	1-1/4" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	85.94	21.40
		<i>For Work In Restricted Working Space, Add</i>	16.05	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	5.35	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	10.70	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	13.38	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	18.73	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	21.40	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	26.76	
		<i>For Elevated Installation &gt;40', Add</i>	29.43	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.05	
26 05 33 13-2080	EA	1-1/2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	104.10	24.78
		<i>For Work In Restricted Working Space, Add</i>	18.59	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	6.20	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	12.39	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	15.49	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	21.69	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	24.79	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	30.99	
		<i>For Elevated Installation &gt;40', Add</i>	34.08	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.59	
26 05 33 13-2081	EA	2" Type C, Set Screw, Two Hub Cast Aluminum Conduit Body With Cover	154.55	28.16
		<i>For Work In Restricted Working Space, Add</i>	21.12	
		<i>For Elevated Installation &gt;10' To 15', Add</i>	7.04	
		<i>For Elevated Installation &gt;15' To 20', Add</i>	14.08	
		<i>For Elevated Installation &gt;20' To 25', Add</i>	17.60	
		<i>For Elevated Installation &gt;25' To 30', Add</i>	24.64	
		<i>For Elevated Installation &gt;30' To 35', Add</i>	28.16	
		<i>For Elevated Installation &gt;35' To 40', Add</i>	35.21	
		<i>For Elevated Installation &gt;40', Add</i>	38.73	
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21.12	
26 05 33 13-2082		<b>Aluminum Type LB Telecommunications Conduit Bodies With Cover (Smart Pathways)</b> <small>(26 05 33 13-1940)</small>		
26 05 33 13-2083	EA	3/4" To 1-1/4" Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB120)	180.44	30.84
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.15	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 13-2084	EA	1-1/2"	To 2-1/2"	Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB250).....	650.43	57.03
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.80	
26 05 33 13-2085	EA	3"	To 4"	Aluminum Type LB Telecommunications Conduit Body With Cover (Smart Pathways KBLB400) .....	1,253.60	115.76
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	86.82	

**26 05 33 13-2086 Replacement Covers And Gaskets For Conduit Body** (26 05 33 13-1940)

**26 05 33 13-2087 Replacement Stamped Aluminum Conduit Body Cover** (26 05 33 13-2086)

26 05 33 13-2088	EA	1/2"	Replacement Stamped Aluminum Conduit Body Cover .....		14.11	5.50
26 05 33 13-2089	EA	3/4"	Replacement Stamped Aluminum Conduit Body Cover .....		17.19	6.41
26 05 33 13-2090	EA	1"	Replacement Stamped Aluminum Conduit Body Cover .....		22.03	8.23
26 05 33 13-2091	EA	1-1/4"	Replacement Stamped Aluminum Conduit Body Cover .....		26.82	10.07
26 05 33 13-2092	EA	1-1/2"	Replacement Stamped Aluminum Conduit Body Cover .....		32.85	11.90
26 05 33 13-2093	EA	2"	Replacement Stamped Aluminum Conduit Body Cover .....		38.86	13.73
26 05 33 13-2094	EA	2-1/2"	Replacement Stamped Aluminum Conduit Body Cover .....		50.84	15.56
26 05 33 13-2095	EA	3"	Replacement Stamped Aluminum Conduit Body Cover .....		66.28	21.97
26 05 33 13-2096	EA	3-1/2"	Replacement Stamped Aluminum Conduit Body Cover .....		72.00	24.71
26 05 33 13-2097	EA	4"	Replacement Stamped Aluminum Conduit Body Cover .....		90.70	31.12

**26 05 33 13-2098 Replacement Cast Steel Conduit Body Cover** (26 05 33 13-2086)

26 05 33 13-2099	EA	1/2"	Replacement Cast Steel Conduit Body Cover.....		16.24	5.50
26 05 33 13-2100	EA	3/4"	Replacement Cast Steel Conduit Body Cover.....		19.05	6.41
26 05 33 13-2101	EA	1"	Replacement Cast Steel Conduit Body Cover.....		26.61	8.23
26 05 33 13-2102	EA	1-1/4"	Replacement Cast Steel Conduit Body Cover.....		33.02	10.07
26 05 33 13-2103	EA	1-1/2"	Replacement Cast Steel Conduit Body Cover.....		40.07	11.90
26 05 33 13-2104	EA	2"	Replacement Cast Steel Conduit Body Cover.....		47.12	13.73
26 05 33 13-2105	EA	2-1/2"	Replacement Cast Steel Conduit Body Cover.....		54.12	15.56
26 05 33 13-2106	EA	3"	Replacement Cast Steel Conduit Body Cover.....		74.03	21.97
26 05 33 13-2107	EA	3-1/2"	Replacement Cast Steel Conduit Body Cover.....		84.20	24.71
26 05 33 13-2108	EA	4"	Replacement Cast Steel Conduit Body Cover.....		106.14	31.12

**26 05 33 13-2109 Replacement Velbuna Composition Conduit Body Gasket** (26 05 33 13-2086)

26 05 33 13-2110	EA	1/2"	Replacement Velbuna Composition Conduit Body Gasket.....		13.15	5.50
26 05 33 13-2111	EA	3/4"	Replacement Velbuna Composition Conduit Body Gasket.....		15.06	6.41
26 05 33 13-2112	EA	1"	Replacement Velbuna Composition Conduit Body Gasket.....		19.65	8.23
26 05 33 13-2113	EA	1-1/4"	Replacement Velbuna Composition Conduit Body Gasket .....		25.38	10.07
26 05 33 13-2114	EA	1-1/2"	Replacement Velbuna Composition Conduit Body Gasket .....		29.04	11.90
26 05 33 13-2115	EA	2"	Replacement Velbuna Composition Conduit Body Gasket.....		34.46	13.73
26 05 33 13-2116	EA	2-1/2"	Replacement Velbuna Composition Conduit Body Gasket .....		44.82	15.56
26 05 33 13-2117	EA	3"	Replacement Velbuna Composition Conduit Body Gasket .....		58.77	21.97
26 05 33 13-2118	EA	3-1/2"	Replacement Velbuna Composition Conduit Body Gasket .....		64.88	24.71
26 05 33 13-2119	EA	4"	Replacement Velbuna Composition Conduit Body Gasket.....		77.56	31.12

**26 05 33 13-2120 Replacement Neoprene Conduit Body Gasket** (26 05 33 13-2086)

26 05 33 13-2121	EA	1/2"	Replacement Neoprene Conduit Body Gasket.....		14.63	5.50
26 05 33 13-2122	EA	3/4"	Replacement Neoprene Conduit Body Gasket.....		16.47	6.41
26 05 33 13-2123	EA	1"	Replacement Neoprene Conduit Body Gasket.....		21.50	8.23
26 05 33 13-2124	EA	1-1/4"	Replacement Neoprene Conduit Body Gasket.....		26.33	10.07
26 05 33 13-2125	EA	1-1/2"	Replacement Neoprene Conduit Body Gasket.....		29.99	11.90
26 05 33 13-2126	EA	2"	Replacement Neoprene Conduit Body Gasket.....		34.56	13.73
26 05 33 13-2127	EA	2-1/2"	Replacement Neoprene Conduit Body Gasket.....		45.05	15.56
26 05 33 13-2128	EA	3"	Replacement Neoprene Conduit Body Gasket.....		59.00	21.97
26 05 33 13-2129	EA	3-1/2"	Replacement Neoprene Conduit Body Gasket.....		66.46	24.71
26 05 33 13-2130	EA	4"	Replacement Neoprene Conduit Body Gasket.....		79.14	31.12

**26 05 33 13-2131 Cutting Knockouts In-Place Metal Boxes Or Enclosures** (26 05 33 13-0058)

Note: For use when connecting conduit to an existing in-place system.

26 05 33 13-2132	EA	1/2"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		23.33	
			<i>For Work In Restricted Working Space, Add</i>		7.00	
26 05 33 13-2133	EA	3/4"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		26.26	
			<i>For Work In Restricted Working Space, Add</i>		7.88	
26 05 33 13-2134	EA	1"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		30.89	
			<i>For Work In Restricted Working Space, Add</i>		9.27	
26 05 33 13-2135	EA	1-1/4"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		34.29	
			<i>For Work In Restricted Working Space, Add</i>		10.29	
26 05 33 13-2136	EA	1-1/2"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		38.61	
			<i>For Work In Restricted Working Space, Add</i>		11.58	
26 05 33 13-2137	EA	2"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		45.72	
			<i>For Work In Restricted Working Space, Add</i>		13.72	
26 05 33 13-2138	EA	2-1/2"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		54.05	
			<i>For Work In Restricted Working Space, Add</i>		16.22	
26 05 33 13-2139	EA	3"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		61.78	
			<i>For Work In Restricted Working Space, Add</i>		18.53	
26 05 33 13-2140	EA	3-1/2"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		69.49	
			<i>For Work In Restricted Working Space, Add</i>		20.85	
26 05 33 13-2141	EA	4"	Cutting Knockouts In-Place Metal Boxes Or Enclosures .....		77.22	
			<i>For Work In Restricted Working Space, Add</i>		23.17	

**26 05 33 16 Boxes for Electrical Systems** (26 05 33)

See CSI section 26 27 16 00-0000 for larger junction boxes and enclosures.

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
26 05 33 16-0001		<b>Steel Junction, Device, And Fixture Boxes, Rings And Covers</b> (26 05 33 16)			
Note: Thin wall metal. See CSI section 26 27 26 00-0003 for steel box/receptacle assemblies, 26 27 26 00-0126 for steel box/switch assemblies.					
26 05 33 16-0002		<b>4" Square Steel Boxes, Rings And Covers</b> (26 05 33 16-0001)			
26 05 33 16-0003	EA	1-1/2" Depth, 4" Square Steel Box.....	49.31		23.12
		<i>For Stud Bracket, Add</i>	0.75		
26 05 33 16-0004	EA	2-1/8" Depth, 4" Square Steel Box.....	50.70		23.12
		<i>For Stud Bracket, Add</i>	1.35		
26 05 33 16-0005	EA	3-1/2" Depth, 4" Square Steel Box.....	55.48		23.12
		<i>For Stud Bracket, Add</i>	1.47		
26 05 33 16-0006	EA	1-1/2" Depth, 4" Square Steel Extension Ring.....	37.65		15.41
26 05 33 16-0007	EA	2-1/8" Depth, 4" Square Steel Extension Ring.....	32.81		15.41
26 05 33 16-0008	EA	1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	16.87		7.71
26 05 33 16-0009	EA	5/8" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.09		7.71
26 05 33 16-0010	EA	3/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.25		7.71
26 05 33 16-0011	EA	1" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.77		7.71
26 05 33 16-0012	EA	1-1/4" Depth, 1 Gang, 4" Square Steel Mud Ring.....	17.92		7.71
26 05 33 16-0013	EA	1-1/2" Depth, 1 Gang, 4" Square Steel Mud Ring.....	19.58		7.71
26 05 33 16-0014	EA	1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	17.50		7.71
26 05 33 16-0015	EA	5/8" Depth, 2 Gang, 4" Square Steel Mud Ring.....	17.66		7.71
26 05 33 16-0016	EA	3/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	17.86		7.71
26 05 33 16-0017	EA	1" Depth, 2 Gang, 4" Square Steel Mud Ring.....	19.55		7.71
26 05 33 16-0018	EA	1-1/4" Depth, 2 Gang, 4" Square Steel Mud Ring.....	19.90		7.71
26 05 33 16-0019	EA	1-1/2" Depth, 2 Gang, 4" Square Steel Mud Ring.....	22.05		7.71
26 05 33 16-0020	EA	3/4" Depth, Fixture Cover, 4" Square Mud Rings.....	18.32		7.71
26 05 33 16-0021	EA	1" Depth, Fixture Cover, 4" Square Mud Rings.....	19.69		7.71
26 05 33 16-0022	EA	One Toggle Switch, 4" Square Steel Exposed Work Cover.....	17.47		7.71
26 05 33 16-0023	EA	Two Toggle Switches, 4" Square Steel Exposed Work Cover.....	17.60		7.71
26 05 33 16-0024	EA	One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	17.44		7.71
26 05 33 16-0025	EA	Two Duplex Receptacles, 4" Square Steel Exposed Work Cover.....	17.81		7.71
26 05 33 16-0026	EA	One Toggle Switch And One Duplex Receptacle, 4" Square Steel Exposed Work Cover.....	18.11		7.71
26 05 33 16-0027	EA	One Toggle Switch And One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	21.91		7.71
26 05 33 16-0028	EA	One 1.406" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.06		7.71
26 05 33 16-0029	EA	Two 1.406" Diameter Receptacles, 4" Square Steel Exposed Work Cover.....	21.91		7.71
26 05 33 16-0030	EA	One 1.620" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.06		7.71
26 05 33 16-0031	EA	One 1.719" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	18.95		7.71
26 05 33 16-0032	EA	One 2.165" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	21.91		7.71
26 05 33 16-0033	EA	One 2.480" Diameter Receptacle, 4" Square Steel Exposed Work Cover.....	21.91		7.71
26 05 33 16-0034	EA	Flat, 4" Square Steel Exposed Work Cover.....	16.39		7.71
26 05 33 16-0035		<b>4-11/16" Square Steel Boxes, Rings And Covers</b> (26 05 33 16-0001)			
26 05 33 16-0036	EA	1-1/2" Depth, 4-11/16" Square Steel Box.....	54.46		23.12
26 05 33 16-0037	EA	2-1/8" Depth, 4-11/16" Square Steel Box.....	51.31		23.12
		<i>For Stud Bracket, Add</i>	0.71		
26 05 33 16-0038	EA	3-1/4" Depth, 4-11/16" Square Steel Box.....	67.13		23.12
26 05 33 16-0039	EA	1-1/2" Depth, 4-11/16" Square Extension Ring.....	38.96		15.41
26 05 33 16-0040	EA	2-1/8" Depth, 4-11/16" Square Extension Ring.....	39.74		15.41
26 05 33 16-0041	EA	1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	20.02		7.71
26 05 33 16-0042	EA	5/8" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	20.06		7.71
26 05 33 16-0043	EA	3/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	21.40		7.71
26 05 33 16-0044	EA	1" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	20.86		7.71
26 05 33 16-0045	EA	1-1/4" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	20.74		7.71
26 05 33 16-0046	EA	1-1/2" Depth, 1 Gang, 4-11/16" Square Steel Mud Ring.....	26.33		7.71
26 05 33 16-0047	EA	1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	21.09		7.71
26 05 33 16-0048	EA	5/8" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	21.38		7.71
26 05 33 16-0049	EA	3/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	21.40		7.71
26 05 33 16-0050	EA	1" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.38		7.71
26 05 33 16-0051	EA	1-1/4" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	23.79		7.71
26 05 33 16-0052	EA	1-1/2" Depth, 2 Gang, 4-11/16" Square Steel Mud Ring.....	28.58		7.71
26 05 33 16-0053	EA	1/2" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	20.83		7.71
26 05 33 16-0054	EA	5/8" Depth, Fixture Cover, 4-11/16" Square Steel Mud Ring.....	20.97		7.71
26 05 33 16-0055	EA	One Toggle Switch, 4-11/16" Square Steel Exposed Work Cover.....	24.68		7.71
26 05 33 16-0056	EA	Two Toggle Switches, 4-11/16" Square Steel Exposed Work Cover.....	25.72		7.71
26 05 33 16-0057	EA	One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	24.37		7.71
26 05 33 16-0058	EA	Two Duplex Receptacles, 4-11/16" Square Steel Exposed Work Cover.....	23.24		7.71
26 05 33 16-0059	EA	One Toggle Switch And One Duplex Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	27.03		7.71
26 05 33 16-0060	EA	One 1.594" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	25.71		7.71
26 05 33 16-0061	EA	One 2.141" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	25.71		7.71
26 05 33 16-0062	EA	One 2.625" Diameter Receptacle, 4-11/16" Square Steel Exposed Work Cover.....	25.71		7.71
26 05 33 16-0063	EA	Flat, 4-11/16" Square Steel Exposed Work Cover.....	17.24		7.71
26 05 33 16-0064		<b>Steel Square Box Brackets</b> (26 05 33 16-0001)			
26 05 33 16-0065	EA	16" Or 24" Width Box Bracket, For Multiple 1-1/2" And 2-1/8" Deep Boxes.....	24.57		11.58
26 05 33 16-0066	EA	Single Box Bracket, One 4" Or 4-11/16" Square Box.....	17.62		7.72
26 05 33 16-0067	EA	16" Box Bracket, Up To Three 4" Or 4-11/16" Square Boxes.....	27.93		11.58
26 05 33 16-0068	EA	24" Box Bracket, Up To Four 4" Or 4-11/16" Square Boxes.....	29.65		11.58
26 05 33 16-0069		<b>4" Octagon Steel Boxes And Covers</b> (26 05 33 16-0001)			
26 05 33 16-0070	EA	1-1/2" Depth, 4" Steel Octagon Box.....	41.05		19.27
		<i>For Stud Bracket, Add</i>	1.83		
26 05 33 16-0071	EA	2-1/8" Depth, 4" Steel Octagon Box.....	42.27		19.27



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0072	EA		Flat, 4" Octagon Steel Exposed Work Cover .....	16.31	7.71
<b>26 05 33 16-0073</b>			<b>4" Steel Octagonal Concrete Rings And Steel Covers</b> (26 05 33 16-0001)		
			Note: Placed in concrete slabs or walls.		
26 05 33 16-0074	EA		2" Depth, 4" Steel Octagonal Concrete Ring .....	67.17	
26 05 33 16-0075	EA		2-1/2" Depth, 4" Steel Octagonal Concrete Ring .....	71.16	
26 05 33 16-0076	EA		3" Depth, 4" Steel Octagonal Concrete Ring .....	74.48	
26 05 33 16-0077	EA		3-1/2" Depth, 4" Steel Octagonal Concrete Ring .....	77.71	
26 05 33 16-0078	EA		4" Depth, 4" Steel Octagonal Concrete Ring .....	84.15	
26 05 33 16-0079	EA		5" Depth, 4" Steel Octagonal Concrete Ring .....	90.80	
26 05 33 16-0080	EA		6" Depth, 4" Steel Octagonal Concrete Ring .....	96.12	
26 05 33 16-0081	EA		Flat, 4" Steel Octagonal Concrete Cover .....	17.99	7.71
<b>26 05 33 16-0082</b>			<b>4-1/2" Steel Gang Boxes</b> (26 05 33 16-0001)		
26 05 33 16-0083	EA		2 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	58.31	19.27
26 05 33 16-0084	EA		3 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	63.90	20.81
26 05 33 16-0085	EA		4 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	76.06	23.12
26 05 33 16-0086	EA		5 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	97.37	25.44
26 05 33 16-0087	EA		6 Device, 1-5/8" Depth, 4-1/2" Steel Gang Box .....	140.39	27.74
26 05 33 16-0088	EA		2 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	77.12	19.27
26 05 33 16-0089	EA		3 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	83.95	20.81
26 05 33 16-0090	EA		4 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	109.92	23.12
26 05 33 16-0091	EA		5 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	139.47	25.44
26 05 33 16-0092	EA		6 Device, 2-1/2" Depth, 4-1/2" Steel Gang Box .....	223.63	27.74
26 05 33 16-0093	EA		2 Device, Gang Box Mud Ring .....	25.20	7.71
26 05 33 16-0094	EA		3 Device, Gang Box Mud Ring .....	25.51	7.71
26 05 33 16-0095	EA		4 Device, Gang Box Mud Ring .....	29.14	7.71
26 05 33 16-0096	EA		5 Device, Gang Box Mud Ring .....	35.37	7.71
26 05 33 16-0097	EA		6 Device, Gang Box Mud Ring .....	49.05	7.71
26 05 33 16-0098	EA		2 Device, Gang Box Flat Cover .....	22.08	7.71
26 05 33 16-0099	EA		3 Device, Gang Box Flat Cover .....	25.48	7.71
26 05 33 16-0100	EA		4 Device, Gang Box Flat Cover .....	29.98	7.71
26 05 33 16-0101	EA		5 Device, Gang Box Flat Cover .....	35.72	7.71
26 05 33 16-0102	EA		6 Device, Gang Box Flat Cover .....	50.01	7.71
<b>26 05 33 16-0103</b>			<b>Steel Switch Boxes</b> (26 05 33 16-0001)		
26 05 33 16-0104	EA		2-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	43.40	19.27
26 05 33 16-0105	EA		2-3/4" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	43.92	19.27
26 05 33 16-0106	EA		3-1/2" Depth, 3" x 2", Stud Bracket, Steel Switch Box .....	46.64	19.27
26 05 33 16-0107	EA		2-1/2" Depth, 2 Device, Stud Bracket, Steel Box .....	52.74	19.27
26 05 33 16-0108	EA		2-1/2" Depth, 3 Device, Stud Bracket, Steel Box .....	53.27	19.27
26 05 33 16-0109	EA		2-1/2" Depth, 4 Device, Stud Bracket, Steel Box .....	61.54	19.27
<b>26 05 33 16-0110</b>			<b>4" x 2" Steel Handy Boxes, Extension Rings And Covers</b> (26 05 33 16-0001)		
26 05 33 16-0111	EA		1-1/2" Deep, 4" x 2" Steel Handy Box .....	40.92	19.27
			For Stud Bracket, Add .....	2.94	
26 05 33 16-0112	EA		1-7/8" Deep, 4" x 2" Steel Handy Box .....	41.48	19.27
			For Stud Bracket, Add .....	1.27	
26 05 33 16-0113	EA		2-1/8" Deep, 4" x 2" Steel Handy Box .....	42.73	19.27
			For Stud Bracket, Add .....	1.72	
26 05 33 16-0114	EA		1-1/2" Deep, 4" x 2" Steel Handy Box Extension Ring .....	26.53	11.56
26 05 33 16-0115	EA		1-7/8" Deep, 4" x 2" Steel Handy Box Extension Ring .....	25.97	11.56
26 05 33 16-0116	EA		GFI Receptacle, 2" x 4" Steel Handy Box Exposed Work Cover .....	8.94	3.85
26 05 33 16-0117	EA		1.406" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	9.05	3.85
26 05 33 16-0118	EA		Duplex Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	8.52	3.85
26 05 33 16-0119	EA		Toggle Switch, 4" x 2" Steel Handy Box Exposed Work Cover .....	8.55	3.85
26 05 33 16-0120	EA		1.594" Diameter Receptacle, 4" x 2" Steel Handy Box Exposed Work Cover .....	9.63	3.85
26 05 33 16-0121	EA		Flat, 2" x 4" Steel Handy Box Exposed Work Cover .....	8.55	3.85
<b>26 05 33 16-0122</b>			<b>3-1/2" Depth, 3-3/4" Steel Masonry Boxes</b> (26 05 33 16-0001)		
26 05 33 16-0123	EA		1 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box .....	60.57	26.97
26 05 33 16-0124	EA		2 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box .....	67.01	28.51
26 05 33 16-0125	EA		3 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box .....	75.98	30.83
26 05 33 16-0126	EA		4 Device, 3-1/2" Depth, 3-3/4" Steel Masonry Box .....	86.02	33.91
<b>26 05 33 16-0127</b>			<b>Cast Boxes</b> (26 05 33 16)		
			Note: For flush or surface mount.		
<b>26 05 33 16-0128</b>			<b>Cast Iron Alloy Boxes</b> (26 05 33 16-0127)		
			See CSI section 26 27 26 00-0263 for box covers.		
<b>26 05 33 16-0129</b>			<b>Shallow, Single Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128)		
			Note: Up to 2" deep boxes.		
26 05 33 16-0130	EA		1/2" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	124.54	46.24
			Note: One hub.		
26 05 33 16-0131	EA		3/4" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	135.76	53.95
			Note: One hub.		
26 05 33 16-0132	EA		1" Depth, Type FS, Shallow, Single Gang Cast Iron Alloy Box .....	160.63	65.51
			Note: One hub.		

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33	16-0133	EA	1/2" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	157.14	61.66
26 05 33	16-0134	EA	3/4" Depth, Type FSC, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	198.72	73.22
26 05 33	16-0135	EA	1/2" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	156.59	61.66
26 05 33	16-0136	EA	3/4" Depth, Type FSL, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	187.96	73.22
26 05 33	16-0137	EA	1/2" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	160.06	61.66
26 05 33	16-0138	EA	3/4" Depth, Type FSR, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	188.01	73.22
26 05 33	16-0139	EA	1/2" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	156.59	61.66
26 05 33	16-0140	EA	3/4" Depth, Type FSS, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	183.74	73.22
26 05 33	16-0141	EA	1/2" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	187.99	77.07
26 05 33	16-0142	EA	3/4" Depth, Type FSCA, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	222.98	92.49
26 05 33	16-0143	EA	1/2" Depth, Type FSXC, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	194.62	77.07
26 05 33	16-0144	EA	3/4" Depth, Type FSXC, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	248.29	92.49
26 05 33	16-0145	EA	1/2" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	198.96	77.07
26 05 33	16-0146	EA	3/4" Depth, Type FSCT, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	237.88	92.49
26 05 33	16-0147	EA	1/2" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	187.42	77.07
26 05 33	16-0148	EA	3/4" Depth, Type FST, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	240.81	92.49
26 05 33	16-0149	EA	1/2" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Four hubs.	236.68	92.49
26 05 33	16-0150	EA	3/4" Depth, Type FSX, Shallow, Single Gang Cast Iron Alloy Box ..... Note: Four hubs.	285.61	111.75
26 05 33	16-0151		<b>Deep, Single Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33	16-0152	EA	1/2" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box ..... Note: One hub.	129.43	46.24
26 05 33	16-0153	EA	3/4" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box ..... Note: One hub.	149.32	53.95
26 05 33	16-0154	EA	1" Depth, Type FD, Deep, Single Gang Cast Iron Alloy Box ..... Note: One hub.	176.28	65.51
26 05 33	16-0155	EA	1/2" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	166.08	61.66
26 05 33	16-0156	EA	3/4" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	192.56	73.22
26 05 33	16-0157	EA	1" Depth, Type FDC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	231.68	88.63
26 05 33	16-0158	EA	3/4" Depth, Type FDS, Deep, Single Gang Cast Iron Alloy Box ..... Note: Two hubs.	204.74	73.22
26 05 33	16-0159	EA	3/4" Depth, Type FDCC, Deep, Single Gang Cast Iron Alloy Box ..... Note: Three hubs.	262.72	92.49
26 05 33	16-0160		<b>Shallow, Two Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: Up to 2" deep boxes.		
26 05 33	16-0161	EA	1/2" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	147.62	50.10
26 05 33	16-0162	EA	3/4" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	164.48	57.80
26 05 33	16-0163	EA	1" Depth, Type FS, Shallow, Two Gang Cast Iron Alloy Box ..... Note: One hub.	191.95	69.36
26 05 33	16-0164	EA	1/2" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	180.79	65.51
26 05 33	16-0165	EA	3/4" Depth, Type FSC, Shallow, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	206.42	77.07
26 05 33	16-0166		<b>Deep, Two Gang Cast Iron Alloy Boxes</b> (26 05 33 16-0128) Note: >2" deep boxes.		
26 05 33	16-0167	EA	1/2" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box ..... Note: One hub.	162.29	50.10
26 05 33	16-0168	EA	3/4" Depth, Type FD, Deep, Two Gang Cast Iron Alloy Box ..... Note: One hub.	178.28	57.80
26 05 33	16-0169	EA	1/2" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	202.88	65.51
26 05 33	16-0170	EA	3/4" Depth, Type FDC, Deep, Two Gang Cast Iron Alloy Box ..... Note: Two hubs.	229.75	77.07
26 05 33	16-0171		<b>Cast Aluminum Boxes</b> (26 05 33 16-0127) See CSI section 26 27 26 00-0263 for box covers.		
26 05 33	16-0172		<b>Shallow, Single Gang Cast Aluminum Boxes</b> (26 05 33 16-0171) Note: Up to 2" deep boxes.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0173	EA		1/2" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	109.12	38.54
26 05 33 16-0174	EA		3/4" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	125.82	46.24
26 05 33 16-0175	EA		1" Depth, Type FS, Shallow, Single Gang Cast Aluminum Box..... Note: One hub.	142.41	57.80
26 05 33 16-0176	EA		1/2" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	103.43	38.54
26 05 33 16-0177	EA		3/4" Depth, Type FSA, Shallow, Single Gang Cast Aluminum Box ..... Note: One hub.	129.84	46.24
26 05 33 16-0178	EA		1/2" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	140.50	53.95
26 05 33 16-0179	EA		3/4" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	169.08	65.51
26 05 33 16-0180	EA		1" Depth, Type FSC, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	211.66	80.93
26 05 33 16-0181	EA		1/2" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	150.41	53.95
26 05 33 16-0182	EA		3/4" Depth, Type FSL, Shallow, Single Gang Cast Aluminum Box..... Note: Two hubs.	164.26	65.51
26 05 33 16-0183	EA		1/2" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	144.78	53.95
26 05 33 16-0184	EA		3/4" Depth, Type FSLB, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	167.62	65.51
26 05 33 16-0185	EA		1/2" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	141.14	53.95
26 05 33 16-0186	EA		3/4" Depth, Type FSR, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	167.62	65.51
26 05 33 16-0187	EA		1/2" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	132.74	53.95
26 05 33 16-0188	EA		3/4" Depth, Type FSS, Shallow, Single Gang Cast Aluminum Box ..... Note: Two hubs.	176.55	65.51
26 05 33 16-0189	EA		1/2" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	169.36	69.36
26 05 33 16-0190	EA		3/4" Depth, Type FSCA, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	205.98	84.78
26 05 33 16-0191	EA		1/2" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	178.07	69.36
26 05 33 16-0192	EA		3/4" Depth, Type FSCC, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	236.14	84.78
26 05 33 16-0193	EA		1/2" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	177.34	69.36
26 05 33 16-0194	EA		3/4" Depth, Type FSCT, Shallow, Single Gang Cast Aluminum Box ..... Note: Three hubs.	217.46	84.78
26 05 33 16-0195	EA		3/4" Depth, Type FST, Shallow, Single Gang Cast Aluminum Box..... Note: Three hubs.	220.04	84.78
26 05 33 16-0196	EA		1/2" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box ..... Note: Four hubs.	216.32	84.78
26 05 33 16-0197	EA		3/4" Depth, Type FSX, Shallow, Single Gang Cast Aluminum Box ..... Note: Four hubs.	264.27	104.05
<b>26 05 33 16-0198</b>			<b>Deep, Single Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: >2" deep boxes.		
26 05 33 16-0199	EA		1/2" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	119.22	38.54
26 05 33 16-0200	EA		3/4" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	142.86	46.24
26 05 33 16-0201	EA		1" Depth, Type FD, Deep, Single Gang Cast Aluminum Box..... Note: One hub.	165.84	57.80
26 05 33 16-0202	EA		3/4" Depth, Type FDA, Deep, Single Gang Cast Aluminum Box ..... Note: One hub.	152.08	46.24
26 05 33 16-0203	EA		1/2" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	153.56	53.95
26 05 33 16-0204	EA		3/4" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	185.11	65.51
26 05 33 16-0205	EA		1" Depth, Type FDC, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	210.15	80.93
26 05 33 16-0206	EA		3/4" Depth, Type FDS, Deep, Single Gang Cast Aluminum Box ..... Note: Two hubs.	187.25	65.51
26 05 33 16-0207	EA		3/4" Depth, Type FDCC, Deep, Single Gang Cast Aluminum Box ..... Note: Three hubs.	230.92	84.78
<b>26 05 33 16-0208</b>			<b>Shallow, Two Gang Cast Aluminum Boxes (26 05 33 16-0171)</b> Note: Up to 2" deep boxes.		
26 05 33 16-0209	EA		1/2" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	141.07	42.39
26 05 33 16-0210	EA		3/4" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	162.18	50.10
26 05 33 16-0211	EA		1" Depth, Type FS, Shallow, Two Gang Cast Aluminum Box..... Note: One hub.	177.34	61.66
26 05 33 16-0212	EA		1/2" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	178.28	57.80
26 05 33 16-0213	EA		3/4" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	186.04	69.36
26 05 33 16-0214	EA		1" Depth, Type FSC, Shallow, Two Gang Cast Aluminum Box ..... Note: Two hubs.	229.45	84.78

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
<b>26 05 33 16-0215 Deep, Two Gang Cast Aluminum Boxes</b> (26 05 33 16-0171)			
Note: >2" deep boxes.			
26 05 33 16-0216	EA 1/2" Depth, Type FD, Deep, Two Gang Cast Aluminum Box .....	140.96	42.39
Note: One hub.			
26 05 33 16-0217	EA 3/4" Depth, Type FD, Deep, Two Gang Cast Aluminum Box .....	163.55	50.10
Note: One hub.			
26 05 33 16-0218	EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box .....	181.43	57.80
Note: Two hubs.			
26 05 33 16-0219	EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box .....	207.16	69.36
Note: Two hubs.			
26 05 33 16-0220	EA 1/2" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box .....	181.43	57.80
Note: Two hubs.			
26 05 33 16-0221	EA 3/4" Depth, Type FDC, Deep, Two Gang Cast Aluminum Box .....	207.16	69.36
Note: Two hubs.			
<b>26 05 33 16-0222 Shallow, Three Gang Cast Aluminum Boxes</b> (26 05 33 16-0171)			
Note: Up to 2" deep boxes.			
26 05 33 16-0223	EA 1/2" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box .....	190.82	61.66
Note: Two hubs.			
26 05 33 16-0224	EA 3/4" Depth, Type FSC, Shallow, Three Gang Cast Aluminum Box .....	215.74	73.22
Note: Two hubs.			
<b>26 05 33 16-0225 Deep, Three Gang Cast Aluminum Boxes</b> (26 05 33 16-0171)			
Note: >2" deep boxes.			
26 05 33 16-0226	EA 3/4" Depth, Type FD, Deep, Three Gang Cast Aluminum Box .....	210.94	53.95
Note: One hub.			
26 05 33 16-0227	EA 1" Depth, Type FD, Deep, Three Gang Cast Aluminum Box .....	237.30	65.51
Note: One hub.			
<b>26 05 33 16-0228 Cast Aluminum Explosion Proof Outlet Bodies</b> (26 05 33 16-0127)			
Note: Class I, Div. 1 & 2; Class II, Div. 1 & 2; and Class III.			
26 05 33 16-0229	EA 1/2" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	220.62	61.66
26 05 33 16-0230	EA 3/4" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	270.65	69.36
26 05 33 16-0231	EA 1" Depth, Type GRSS, 7 Opening, Cast Aluminum Explosion Proof Outlet Body.....	252.97	77.07
26 05 33 16-0232	EA 1/2" Depth, Type GRSSA, 13 Opening, Cast Aluminum Explosion Proof Outlet Body .....	244.91	69.36
26 05 33 16-0233	EA 3/4" Depth, 13 Hubs, Explosion Proof Conduit Outlet Box With Cover Cast Aluminum, Type GRSSA .....	295.63	77.07
<b>26 05 33 16-0234 Non-Metallic (PVC) Boxes</b> (26 05 33 16)			
See CSI section 26 27 26 00-0263 for box covers.			
<b>26 05 33 16-0235 Shallow, Single Gang Non-Metallic (PVC) Boxes</b> (26 05 33 16-0234)			
26 05 33 16-0236	EA 1/2" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box .....	76.01	32.37
Note: One hub.			
26 05 33 16-0237	EA 3/4" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box .....	87.16	37.77
Note: One hub.			
26 05 33 16-0238	EA 1" Depth, Type FSE, Shallow, Single Gang Non-Metallic (PVC) Box .....	100.38	45.86
Note: One hub.			
26 05 33 16-0239	EA 1/2" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box .....	97.96	43.16
Note: Two hubs.			
26 05 33 16-0240	EA 3/4" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box .....	115.29	51.25
Note: Two hubs.			
26 05 33 16-0241	EA 1" Depth, Type FSC, Shallow, Single Gang Non-Metallic (PVC) Box .....	139.77	62.04
Note: Two hubs.			
26 05 33 16-0242	EA 1/2" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box .....	98.25	43.16
Note: Two hubs.			
26 05 33 16-0243	EA 3/4" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box .....	114.49	51.25
Note: Two hubs.			
26 05 33 16-0244	EA 1" Depth, Type FSS, Shallow, Single Gang Non-Metallic (PVC) Box .....	137.05	62.04
Note: Two hubs.			
26 05 33 16-0245	EA 1/2" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box .....	123.85	53.95
Note: Three hubs.			
26 05 33 16-0246	EA 3/4" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box .....	142.27	64.74
Note: Three hubs.			
26 05 33 16-0247	EA 1" Depth, Type FSCC, Shallow, Single Gang Non-Metallic (PVC) Box .....	168.32	78.22
Note: Three hubs.			
<b>26 05 33 16-0248 Deep, Single Gang Non-Metallic (PVC) Boxes</b> (26 05 33 16-0234)			
26 05 33 16-0249	EA No Hub, Type FD, Deep, Single Gang Non-Metallic (PVC) Box .....	76.89	32.37
Note: No hubs.			
26 05 33 16-0250	EA 1/2" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box .....	75.35	32.37
Note: One hub.			
26 05 33 16-0251	EA 3/4" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box .....	89.24	37.77
Note: One hub.			
26 05 33 16-0252	EA 1" Depth, Type FDE, Deep, Single Gang Non-Metallic (PVC) Box .....	101.24	45.86
Note: One hub.			
26 05 33 16-0253	EA 1/2" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box .....	99.68	43.16
Note: Two hubs.			
26 05 33 16-0254	EA 3/4" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box .....	113.03	51.25
Note: Two hubs.			
26 05 33 16-0255	EA 1" Depth, Type FDC, Deep, Single Gang Non-Metallic (PVC) Box .....	135.37	62.04
Note: Two hubs.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 05 33 16-0256 Shallow, Two Gang Non-Metallic (PVC) Boxes</b> <small>(26 05 33 16-0234)</small>					
26 05 33 16-0257	EA		1/2" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: One hub.	81.86	35.07
26 05 33 16-0258	EA		3/4" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: One hub.	93.89	40.47
26 05 33 16-0259	EA		1" Depth, Type FSE, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: One hub.	105.93	48.56
26 05 33 16-0260	EA		1/2" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	101.43	45.86
26 05 33 16-0261	EA		3/4" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	124.43	53.95
26 05 33 16-0262	EA		1" Depth, Type FSC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	147.55	64.74
26 05 33 16-0263	EA		1/2" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	103.47	45.86
26 05 33 16-0264	EA		3/4" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	130.08	53.95
26 05 33 16-0265	EA		1" Depth, Type FSS, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Two hubs.	143.01	64.74
26 05 33 16-0266	EA		1/2" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	126.71	56.65
26 05 33 16-0267	EA		3/4" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	164.17	67.44
26 05 33 16-0268	EA		1" Depth, Type FSCC, Shallow, Two Gang Non-Metallic (PVC) Box ..... Note: Three hubs.	173.57	80.93
<b>26 05 33 16-0269 Poke Thru Units</b> <small>(26 05 33 16)</small>					
<b>26 05 33 16-0270 Surface Poke Thru Units</b> <small>(26 05 33 16-0269)</small>					
Note: Excludes concrete drilling. See CSI section 27 11 19 00-0122 for jacks.					
26 05 33 16-0271	EA		Single 20 Amperes, Duplex Receptacle RC3 Power And Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC3ATCAL.	531.49	57.80
26 05 33 16-0272	EA		Retrofit Kit Upgrades Existing RC3 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements ..... Note: Includes 20 Amp duplex receptacle. Tile or carpet with brushed aluminum flange with black non-metallic cover. Wiremold RC3KTCAL.	340.36	
26 05 33 16-0273	EA		20 Amperes, Replacement Duplex Receptacle For RC3 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC37REC.	52.62	15.41
26 05 33 16-0274	EA		Abandonment Plate For RC3 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC3APTCHK.	57.75	7.71
26 05 33 16-0275	EA		Four 20 Amperes, Receptacles RC4 Power And Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4ATCAL.	599.13	61.66
26 05 33 16-0276	EA		Retrofit Kit Upgrades Existing RC4 Series Power And Communications Poke Thru Unit To Meet Scrub Water Requirements ..... Note: Includes two 20 Amp duplex receptacles. Tile or carpet with brushed aluminum flange with black non-metallic cover. Excludes communication jacks. Wiremold RC4KTCAL.	319.99	
26 05 33 16-0277	EA		Two 20 Amperes, Replacement Duplex Receptacles For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC4REC2.	88.42	23.12
26 05 33 16-0278	EA		Abandonment Plate For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold RC4APTCHK.	57.75	7.71
26 05 33 16-0279	EA		Abandonment Plug For RC4 Series Power And Communications Poke Thru Unit ..... Note: Wiremold ABPLUG4.	164.56	15.41
26 05 33 16-0280	EA		Four Jack RC9AMD Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept four Ortronics TracJack inserts and two Ortronics Series II inserts. Excludes communication jacks. Wiremold RC9AMDTCAL.	476.85	53.95
26 05 33 16-0281	EA		Abandonment Plate For RC9 Series Communications Poke Thru Unit ..... Note: Wiremold RC9APTCHK.	41.39	7.71
26 05 33 16-0282	EA		Eight Jack AMD8 Communications Poke Thru Unit ..... Note: Tile or carpet with brushed aluminum flange with black non-metallic cover. Includes bezels to accept eight Ortronics TracJack inserts and four Ortronics Series II inserts. Excludes communication jacks. Wiremold AMD8ATCAL.	474.78	53.95
26 05 33 16-0283	EA		Communication Conduit Adapter For Poke Thru Units ..... Note: Includes two conduit connections for communication systems. Wiremold COM75.	55.96	7.71
<b>26 05 33 16-0284 Recessed Poke Thru Units</b> <small>(26 05 33 16-0269)</small>					
Note: Excludes concrete drilling.					
<b>26 05 33 16-0285 Evolution 6AT Poke Thru Units</b> <small>(26 05 33 16-0284)</small>					
Note: Excludes concrete drilling.					
26 05 33 16-0286	EA		Recessed Prewired Assembly With Surface Style Cover (Wiremold 6ATCP) ..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	832.40	61.66
26 05 33 16-0287	EA		Recessed Prewired Assembly With Flush Style Cover (Wiremold 6ATP) ..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	832.50	61.66
26 05 33 16-0288	EA		Recessed Assembly With Surface Style Cover (Wiremold 6ATC) ..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	794.99	61.66



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0289	EA		Recessed Assembly With Flush Style Cover (Wiremold 6AT)..... Note: For tile, wood or laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	794.99	61.66
26 05 33 16-0290	EA		Recessed Prewired Audio/Video Assembly With Surface Style Cover (Wiremold 6ATCPA)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	832.40	61.66
26 05 33 16-0291	EA		Recessed Prewired Audio/Video Assembly With Flush Style Cover (Wiremold 6ATPA)..... Note: For tile, wood and laminate floors. For use in 6" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	832.40	61.66
26 05 33 16-0292	EA		Recessed Furniture Feed Assembly With Surface Style Cover (Wiremold 6ATCFF)..... Note: For carpet, tile, wood and laminate floors. For use in 6" diameter cored hole. Die-cast aluminum cover assembly provides one (1) 3/4" trade size screw plug opening and one (1) concentric 2" to 1 1/4" trade size screw plug opening and is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	763.33	61.66
26 05 33 16-0293	EA		Recessed Assembly With Disposable Plate (Wiremold 6STC)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. No device plates are included. For use with the following cover assemblies (purchased separately): 6CTC, 6CT, and 6CFFTC Series.	489.36	57.80
26 05 33 16-0294	EA		Recessed Prewired Audio/Video Assembly With Disposable Plate (Wiremold 6STCPAV)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies(purchased separately): 6CTC and 6CT Series.	522.45	57.80
26 05 33 16-0295	EA		Recessed Prewired Assembly With Disposable Plate (Wiremold 6STCP)..... Note: Includes 6" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 6CTC and 6CT Series.	525.72	57.80
26 05 33 16-0296	EA		6" Pre-Pour Poke-Thru Sleeve (Wiremold 6PPS)..... Note: Non-metallic sleeve attaches to structural decking and maintains 6" to 6-1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	157.15	30.83
26 05 33 16-0297	EA		Surface Style Cover Assembly (Wiremold 6CTC)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CTC Series cover assemblies designed for use with 6STC, 6STCP, and 6STCPAV Poke-Thru Stem Assemblies.	330.18	15.41
26 05 33 16-0298	EA		Flush Style Cover Assembly (Wiremold 6CT)..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: black (BK), gray (GY), nickel (NK), brass (BS), and bronze (BZ). 6CT Series cover assemblies designed for use with 6STC, 6STCP and 6STCPAV Poke-Thru Stem Assemblies. Includes one (1) 6TS Tile Shim.	330.18	15.41
26 05 33 16-0299	EA		Furniture Feed Cover Assembly (Wiremold 6CFFTC)..... Note: Surface style, die-cast aluminum cover assembly, with one (1) 3/4" trade size screw plug opening, and one (1) concentric 2" to 1-1/4" trade size screw plug opening. Cover assembly is available in finishes: black (BK), gray(GY), nickel (NK), brass (BS), and bronze (BZ). 6CFFTC Series Cover Assemblies designed for use with 6STC Poke- Thru Stem Assembly. Includes one (1) 3/4" and one (1) 2" trade size conduit fittings and one (1) divider to separate services.	275.94	15.41
26 05 33 16-0300	EA		Tile Shim (Wiremold 6TS)..... Note: Used for floor coverings greater than 5/16" The 6TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" of adjustment.	40.84	3.85
26 05 33 16-0301	EA		Device Mounting Plate (Wiremold 6AAP)..... Note: Device plate that will accept up to two (2) Extron® Electronics AAP style plates. For use in the center compartment only. Devices supplied by others.	23.28	7.71
26 05 33 16-0302	EA		Device Mounting Plate (Wiremold 6ACT8A)..... Note: Device plate that will accept up to eight (8) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.22	7.71
26 05 33 16-0303	EA		Device Mounting Plate (Wiremold 6B)..... Note: Device plate used to blank off center compartment, when no devices are used.	23.19	7.71
26 05 33 16-0304	EA		Device Mounting Plate (Wiremold 6DEC)..... Note: Device plate that will accept Decorator style devices such as 20 amperes receptacles, GFCIs, 106 adapters or AVV devices. For use in the center compartment only. Devices supplied by others.	23.25	7.71
26 05 33 16-0305	EA		Device Mounting Plate (Wiremold 6DP)..... Note: Device plate that will accept standard 20 amperes duplex receptacle or duplex Turnlok receptacle. For use in the center compartment only. Devices supplied by others.	23.12	7.71
26 05 33 16-0306	EA		Device Mounting Plate (Wiremold 6MAAP)..... Note: Device plate that will accept up to six (6) Extron® Electronics MAAP style plates. For use in the center compartment only. Devices supplied by others.	26.53	7.71
26 05 33 16-0307	EA		Device Mounting Plate (Wiremold 6MAAP2A)..... Note: Combination device plate that will accept up to three (3) Extron® Electronics MAAP style plates, and up to two (2) ports of communication devices. For use in the center compartment only. Devices supplied by others.	26.29	7.71
26 05 33 16-0308	EA		Mosaic Mounting Plate (Wiremold 6MOS)..... Note: Device plate will accept two (2) standard [45mm x 45mm] or one (1) standard [45mm x 90mm] Mosaic style device(s). Devices supplied by others.	26.82	7.71
26 05 33 16-0309	EA		Device Mounting Plate (Wiremold 6S1)..... Note: Receptacle opening 1 3/8". For 6" poke-thru units only.	22.84	7.71
26 05 33 16-0310	EA		Device Mounting Plate (Wiremold 6S2)..... Note: Receptacle opening 1 9/16". For 6" poke-thru units only.	22.85	7.71
26 05 33 16-0311	EA		Device Mounting Plate (Wiremold 6SER)..... Note: Device plate that will accept up to four (4) Ortronics® Series II dual modular inserts. For use in the center compartment only. Devices supplied by others.	22.60	7.71
26 05 33 16-0312	EA		Device Mounting Plate (Wiremold 6TRAC)..... Note: Device plate that will accept up to eight (8) Ortronics® TracJack devices. For use in the center compartment only. Devices supplied by others.	22.60	7.71
26 05 33 16-0313	EA		20 Amperes, Duplex Receptacles (Wiremold 68REC)..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated ground device.	50.52	11.56
26 05 33 16-0314	EA		Device Mounting Plate (Wiremold 68B)..... Note: Blank plate. Used to blank off either of the side compartments when no devices or cabling are to be used.	21.05	7.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 16-0315	EA		Device Mounting Plate (Wiremold 68MAAP) ..... Note: Device plate that will accept up to two (2) Extron® Electronics MAAP device plates. For use in either of the two side compartments only. Not for use in the center compartment. Extron Devices supplied by others.	21.47	7.71
26 05 33 16-0316	EA		20 Amperes, Duplex Receptacles (Wiremold 68REC-25) ..... Note: Two (2) proprietary 20 amperes duplex power receptacles with mounting plates and 25' leads. Designed to fit in either of the two side compartments in both the 6ATC and the 8ATC Series Poke-Thru Devices. Receptacle can be wired as a standard or isolated	146.25	13.88
26 05 33 16-0317	EA		Device Mounting Plate (Wiremold 682A) ..... Note: Device plate that will accept up to two (2) ports of communication devices. For use in either of the two side compartments only. Not for use in the center compartment. Communication devices supplied by others.	26.02	7.71
26 05 33 16-0318	EA		Bottom Housing Assembly (Wiremold 5PTHA) ..... Note: Half-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required. For use on side compartments only.	26.93	7.71
26 05 33 16-0319	EA		Bottom Housing Assembly (Wiremold 5BLH) ..... Note: Half-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required. For use on side compartments only. Includes tunnels for 6" and 8" poke-thru devices.	27.58	7.71
26 05 33 16-0320	EA		Bottom Housing Assembly (Wiremold 152CHA) ..... Note: One and a half-gang 2" trade size conduit housing assembly. Recommended for use with furniture feed devices (6ATCFF). Covers the center compartment and one of the side compartments.	44.38	15.41
26 05 33 16-0321	EA		Bottom Housing Assembly (Wiremold 575CHA) ..... Note: Half-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections. For use on side compartments only.	51.75	19.27
26 05 33 16-0322	EA		Bottom Housing Assembly (Wiremold 175CHA) ..... Note: One-gang 3/4" trade size conduit housing assembly. Includes junction box attached to 3/4" trade size conduit for electrical power connections.	55.96	19.27
26 05 33 16-0323	EA		Bottom Housing Assembly (Wiremold 1125CHA) ..... Note: One-gang 1 1/4" trade size conduit housing assembly.	42.96	15.41
26 05 33 16-0324	EA		Bottom Housing Assembly (Wiremold 1PTHA) ..... Note: One-gang pass through housing assembly. Designed to allow pass through of communication cables when no conduit is required.	26.78	7.71
26 05 33 16-0325	EA		Bottom Housing Assembly (Wiremold 1BLH) ..... Note: One-gang blank housing assembly. Designed to blank off compartment when no cable pass through is required.	26.78	7.71
26 05 33 16-0326	EA		Bottom Housing Assembly (Wiremold 15FFHA) ..... Note: One and a half-gang pass through conduit housing assembly. Used for furniture feed applications on the center compartment only. Only for use with 6AT Series units.	27.99	7.71
26 05 33 16-0327	EA		Bottom Housing Assembly (Wiremold 1BHA) ..... Note: One-gang bottom housing assembly. Designed to accept 175CHA, 1125CHA, 1PTHA, and 1BLH plates.	28.81	7.71
<b>26 05 33 16-0328</b>			<b>Evolution 8AT Poke Thru Units</b> (26 05 33 16-0284) Note: Excludes concrete drilling.		
26 05 33 16-0329	EA		Recessed Prewired Assembly With Surface Style Cover (Wiremold 8ATCP) ..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,081.21	61.66
26 05 33 16-0330	EA		Recessed Prewired Assembly With Flush Style Cover (Wiremold 8ATP) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" [83mm] below floor surface. Die-cast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,030.73	61.66
26 05 33 16-0331	EA		Recessed Assembly With Surface Style Cover (Wiremold 8ATC) ..... Note: For carpet, tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,021.23	61.66
26 05 33 16-0332	EA		Recessed Assembly With Flush Style Cover (Wiremold 8AT) ..... Note: For tile, wood and laminate floors. For use in 8" diameter cored hole. Devices are recessed 3 1/4" below floor surface. Diecast aluminum cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze.	1,012.22	61.66
26 05 33 16-0333	EA		Recessed Assembly With Disposable Plate (Wiremold 8STC) ..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	622.92	57.80
26 05 33 16-0334	EA		Recessed Prewired Assembly With Disposable Plate (Wiremold 8STCP) ..... Note: Includes 8" core hole poke-thru stem assembly with a disposable plate. Devices are recessed 3 1/4" below floor surface. No cover assembly is included. For use with the following cover assemblies (purchased separately): 8CTC and 8CT Series.	694.03	57.80
26 05 33 16-0335	EA		8" Pre-Pour Poke-Thru Sleeve (Wiremold 8PPS) ..... Note: Non-metallic sleeve attaches to structural decking and maintains 8" to 8 1/8" diameter cast in core hole. Unit includes three (3) attachment legs, two (2) end caps and three (3) thumb screws.	184.90	30.83
26 05 33 16-0336	EA		Surface Style Cover Assembly (Wiremold 8CTC) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies.	356.37	15.41
26 05 33 16-0337	EA		Flush Style Cover Assembly (Wiremold 8CT) ..... Note: Die-cast aluminum cover assembly. Cover assembly is available in the following finishes: (BK) painted black, (GY) painted gray, (NK) nickel, (BS) brass, and (BZ) bronze. 8CTC Series Cover Assemblies designed for use with 8STC and 8STCP Poke-Thru Stem Assemblies. Includes one (1) 8TS Tile Shim.	356.37	15.41
26 05 33 16-0338	EA		Tile Shim (Wiremold 8TS) ..... Note: Used for floor coverings greater than 5/16". The 8TS will allow the top surface of the cover to be flush with the finished floor. Includes: two (2) 1/8" thick shims and two (2) 1/16" thick shims. Up to a total of 3/8" [9.5mm] of adjustment.	62.42	3.85
26 05 33 16-0339	EA		Device Mounting Plate (Wiremold 8B) ..... Note: Singlegang device plate used to blank off any one (1) of the three (3) gangs in the center compartment, when no devices are used.	23.91	7.71
26 05 33 16-0340	EA		Device Mounting Plate (Wiremold 8DP) ..... Note: Singlegang device plate that accepts standard 20 amperes duplex receptacle or a duplex Turnlok receptacle. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.	24.02	7.71

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 16-0341	EA	Device Mounting Plate (Wiremold 8DEC).....	24.15	7.71
		Note: Singlegang device plate that will accept Decorator style devices such as 20 amperes receptacles, GGCI's, 106 adapters or A/V devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0342	EA	Device Mounting Plate (Wiremold 8ACT6A).....	27.30	7.71
		Note: Singlegang device plate that will accept up to six (6) ports of communication devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0343	EA	Mosaic Mounting Plate (Wiremold 8MOS).....	32.16	7.71
		Note: Device plate accepts three (3) standard Mosaic devices. Devices supplied by others.		
26 05 33 16-0344	EA	Crestron Double Gang Plate (Wiremold 8CREST).....	32.11	7.71
		Note: Device plate accepts Crestron double-gang decorator style devices.		
26 05 33 16-0345	EA	Device Mounting Plate (Wiremold 8S1).....	23.32	7.71
		Note: Receptacle opening 1 3/8". For 8" poke-thru units only.		
26 05 33 16-0346	EA	Device Mounting Plate (Wiremold 8S2).....	23.56	7.71
		Note: Receptacle opening 1 9/16". For 8" poke-thru units only.		
26 05 33 16-0347	EA	Device Mounting Plate (Wiremold 8TRAC).....	23.32	7.71
		Note: Singlegang device plate that will accept up to six (6) Ortronics Traclack devices. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0348	EA	Device Mounting Plate (Wiremold 8SER).....	23.32	7.71
		Note: Singlegang device plate that will accept up to three (3) Ortronics Series II dual modular inserts. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0349	EA	Device Mounting Plate (Wiremold 8MAAP).....	31.72	7.71
		Note: Singlegang device plate that will accept up to four (4) Extron® Electronics MAAP style plates. Fits in any one (1) of the three (3) gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0350	EA	Device Mounting Plate (Wiremold 8AAP).....	27.16	7.71
		Note: Two-gang device plate that will accept up to four (4) Extron® Electronics AAP style plates. 8AAP takes up 2 of the 3 gangs in the center compartment. Devices supplied by others.		
26 05 33 16-0351	EA	8" Divider (Wiremold 8DIV).....	30.65	7.71
		Note: Divider allows for separation of services when required.		
26 05 33 16-0352	EA	Bottom Housing Assembly (Wiremold 22CHA).....	44.38	15.41
		Note: Two-gang 2" trade size conduit housing assembly. Used on 8AT Series devices. Covers two (2) of the three (3) gangs in the center compartment. Only for use with 8AT Series units.		

**26 05 33 23 Surface Raceways for Electrical Systems (26 05 33)****26 05 33 23-0001 Raceways (26 05 33 23)****26 05 33 23-0002 Wireway With Screw Cover (26 05 33 23-0001)**

Note: Also known as wire trough. Galvanized steel construction. Mounted exposed on flat wall surface.

**26 05 33 23-0003 2-1/2" x 2-1/2", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0004	LF	2-1/2" x 2-1/2", NEMA 1, Surface Mounted Wireway With Screw Cover.....	30.18	7.04
		For Combination Hinged Screw Cover, Add	0.81	
		For Concrete Or Masonry Surface, Add	0.70	
26 05 33 23-0005	EA	2-1/2" x 2-1/2", End Plate For Surface Mounted Wireway With Screw Cover.....	26.96	10.56
		For Combination Hinged Screw Cover, Add	0.29	
26 05 33 23-0006	EA	2-1/2" x 2-1/2", Coupling For Surface Mounted Wireway With Screw Cover.....	32.18	13.17
		For Combination Hinged Screw Cover, Add	0.29	
26 05 33 23-0007	EA	2-1/2" x 2-1/2", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	66.41	24.64
		For Combination Hinged Screw Cover, Add	0.86	
26 05 33 23-0008	EA	2-1/2" x 2-1/2", Elbow For Surface Mounted Wireway With Screw Cover.....	100.52	24.64
		For Combination Hinged Screw Cover, Add	2.56	
26 05 33 23-0009	EA	2-1/2" x 2-1/2", Tee For Surface Mounted Wireway With Screw Cover.....	148.25	35.06
		For Combination Hinged Screw Cover, Add	3.91	
26 05 33 23-0010	EA	2-1/2" x 2-1/2", Cross For Surface Mounted Wireway With Screw Cover.....	166.18	38.73
		For Combination Hinged Screw Cover, Add	4.44	

**26 05 33 23-0011 4" x 4", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0012	LF	4" x 4", NEMA 1, Surface Mounted Wireway With Screw Cover.....	37.04	8.88
		For Combination Hinged Screw Cover, Add	0.97	
		For Concrete Or Masonry Surface, Add	0.88	
26 05 33 23-0013	LF	4" x 4", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	63.50	8.88
		For Combination Hinged Screw Cover, Add	2.29	
		For Concrete Or Masonry Surface, Add	0.88	
26 05 33 23-0014	EA	4" x 4", End Plate For Surface Mounted Wireway With Screw Cover.....	21.58	7.74
		For Combination Hinged Screw Cover, Add	0.30	
26 05 33 23-0015	EA	4" x 4", Coupling For Surface Mounted Wireway With Screw Cover.....	35.66	14.78
		For Combination Hinged Screw Cover, Add	0.30	
26 05 33 23-0016	EA	4" x 4", Panel Adapter For Surface Mounted Wireway With Screw Cover.....	78.89	30.14
		For Combination Hinged Screw Cover, Add	0.93	
26 05 33 23-0017	EA	4" x 4", Elbow For Surface Mounted Wireway With Screw Cover.....	116.39	30.14
		For Combination Hinged Screw Cover, Add	2.80	
26 05 33 23-0018	EA	4" x 4", Tee For Surface Mounted Wireway With Screw Cover.....	163.29	39.15
		For Combination Hinged Screw Cover, Add	4.25	
26 05 33 23-0019	EA	4" x 4", Cross For Surface Mounted Wireway With Screw Cover.....	188.86	45.77
		For Combination Hinged Screw Cover, Add	4.87	

**26 05 33 23-0020 6" x 6", Wireway With Screw Cover (26 05 33 23-0002)**

26 05 33 23-0021	LF	6" x 6", NEMA 1, Surface Mounted Wireway With Screw Cover.....	54.27	10.56
		For Combination Hinged Screw Cover, Add	1.66	
		For Concrete Or Masonry Surface, Add	1.06	
26 05 33 23-0022	LF	6" x 6", NEMA 3R, Surface Mounted Wireway With Screw Cover.....	100.66	10.56
		For Combination Hinged Screw Cover, Add	3.98	
		For Concrete Or Masonry Surface, Add	1.06	
26 05 33 23-0023	EA	6" x 6", End Plate For Surface Mounted Wireway With Screw Cover.....	26.71	8.45
		For Combination Hinged Screw Cover, Add	0.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0024	EA		6" x 6", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	45.02 0.49	17.60
26 05 33 23-0025	EA		6" x 6", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	108.10 1.91	35.06
26 05 33 23-0026	EA		6" x 6", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	147.70 3.89	35.06
26 05 33 23-0027	EA		6" x 6", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	227.13 6.98	43.79
26 05 33 23-0028	EA		6" x 6", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	247.62 7.31	50.69
<b>26 05 33 23-0029</b>			<b>8" x 8", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0030	LF		8" x 8", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	85.10 3.10 1.15	11.54
26 05 33 23-0031	LF		8" x 8", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	151.17 6.41 1.15	11.54
26 05 33 23-0032	EA		8" x 8", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	29.33 0.55	9.16
26 05 33 23-0033	EA		8" x 8", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	49.05 0.55	19.01
26 05 33 23-0034	EA		8" x 8", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	120.43 2.16	38.59
26 05 33 23-0035	EA		8" x 8", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	184.75 5.38	38.59
26 05 33 23-0036	EA		8" x 8", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	270.91 8.79	47.60
26 05 33 23-0037	EA		8" x 8", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	374.37 12.94	57.73
<b>26 05 33 23-0038</b>			<b>10" x 10", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0039	LF		10" x 10", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	122.08 4.76 1.34	13.38
26 05 33 23-0040	LF		10" x 10", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	211.49 9.23 1.34	13.38
26 05 33 23-0041	EA		10" x 10", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	40.07 0.95	10.56
26 05 33 23-0042	EA		10" x 10", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	61.20 0.95	21.12
26 05 33 23-0043	EA		10" x 10", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	156.42 3.62	41.97
26 05 33 23-0044	EA		10" x 10", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	284.01 10.00	41.97
26 05 33 23-0045	EA		10" x 10", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	424.85 15.95	52.95
26 05 33 23-0046	EA		10" x 10", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	599.12 23.97	59.85
<b>26 05 33 23-0047</b>			<b>12" x 12", Wireway With Screw Cover</b> <small>(26 05 33 23-0002)</small>		
26 05 33 23-0048	LF		12" x 12", NEMA 1, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	143.57 5.56 1.62	16.20
26 05 33 23-0049	LF		12" x 12", NEMA 3R, Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i> <i>For Concrete Or Masonry Surface, Add</i>	233.41 10.05 1.62	16.20
26 05 33 23-0050	EA		12" x 12", End Plate For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	51.50 1.45	11.26
26 05 33 23-0051	EA		12" x 12", Coupling For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	74.03 1.45	22.53
26 05 33 23-0052	EA		12" x 12", Panel Adapter For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	201.03 5.47	45.77
26 05 33 23-0053	EA		12" x 12", Elbow For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	370.00 13.92	45.77
26 05 33 23-0054	EA		12" x 12", Tee For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	475.97 18.17	56.33
26 05 33 23-0055	EA		12" x 12", Cross For Surface Mounted Wireway With Screw Cover ..... <i>For Combination Hinged Screw Cover, Add</i>	762.85 31.81	63.37
<b>26 05 33 23-0056</b>			<b>Surface Metal Raceways</b> <small>(26 05 33 23-0001)</small> Note: Exposed on flat wall surface.		
<b>26 05 33 23-0057</b>			<b>One Piece Surface Metal Raceways</b> <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
<b>26 05 33 23-0058</b>			<b>3/4" x 17/32" One Piece Surface Metal Raceways (Wiremold #500)</b> <small>(26 05 33 23-0057)</small> Note: Available in ivory.		
26 05 33 23-0059	LF		3/4" x 17/32" One Piece Surface Metal Raceway (Wiremold #500)..... <i>For Concrete Or Masonry Surface, Add</i>	5.80 0.21	2.12
26 05 33 23-0060	EA		Bushing (Wiremold #502).....	6.01	2.82
26 05 33 23-0061	EA		One Or Two Hole Strap (Wiremold #504).....	6.05	2.82



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 05 33 23-0062	EA	Connection Cover (Wiremold #506).....		6.24	2.82
26 05 33 23-0063	EA	Flat 90 Degree Elbow (Wiremold #511).....		9.11	3.38
26 05 33 23-0064	EA	Flat 45 Degree Elbow (Wiremold #512).....		14.19	3.52
26 05 33 23-0065	EA	Adjustable Internal Elbow (Wiremold #517).....		11.33	4.22
26 05 33 23-0066	EA	Adjustable External Elbow (Wiremold #518).....		11.12	4.22
<b>26 05 33 23-0067 3/4" x 21/32" One Piece Surface Metal Raceways (Wiremold #700)</b> <small>(26 05 33 23-0057)</small>					
Note: Available in ivory and white.					
26 05 33 23-0068	LF	3/4" x 21/32" One Piece Surface Metal Raceway (Wiremold #700).....		7.40	2.82
For Concrete Or Masonry Surface, Add				0.28	
26 05 33 23-0069	EA	Bushing (Wiremold #702).....		6.14	2.82
26 05 33 23-0070	EA	One Or Two Hole Strap (Wiremold #704).....		6.29	2.82
26 05 33 23-0071	EA	Connection Cover (Wiremold #706).....		6.32	2.82
26 05 33 23-0072	EA	Flat 90 Degree Elbow (Wiremold #711).....		13.69	5.64
26 05 33 23-0073	EA	Flat 45 Degree Elbow (Wiremold #712).....		20.15	5.64
26 05 33 23-0074	EA	Adjustable Internal Elbow (Wiremold #717).....		14.59	5.64
26 05 33 23-0075	EA	Adjustable External Elbow (Wiremold #718).....		14.18	5.64
<b>26 05 33 23-0076 One Piece Surface Metal Raceways Fittings (Wiremold #500 And 700 Fittings)</b> <small>(26 05 33 23-0057)</small>					
Note: Available in ivory.					
26 05 33 23-0077	EA	18" Flex Fitting, For #500 Or 700 (Wiremold #5700F).....		35.41	4.22
26 05 33 23-0078	EA	Galvanized Coupling For #500 Or 700 (Wiremold #5701).....		6.27	2.82
26 05 33 23-0079	EA	Supporting Clip, For #500 Or 700 (Wiremold #5703).....		6.27	2.82
26 05 33 23-0080	EA	Ground Clamp (Wiremold #5709).....		16.47	4.22
26 05 33 23-0081	EA	Grounding Connector (Wiremold #5709GC).....		14.19	4.22
26 05 33 23-0082	EA	L Or R (Left Or Right) Twisted Internal Eli (Wiremold #5711).....		16.48	5.64
26 05 33 23-0083	EA	Tee (Wiremold #5715).....		18.84	7.04
26 05 33 23-0084	EA	2-1/2" x 2-3/8" x 2-1/2" Corner Box (Wiremold #5719).....		29.91	5.64
26 05 33 23-0085	EA	Utility Box For #500 Or #700 (Wiremold #57242).....		23.58	5.64
26 05 33 23-0086	EA	2-3/8" Diameter, Blank Cover (Wiremold #5731).....		12.89	3.52
26 05 33 23-0087	EA	3" Diameter, Outlet Box (Wiremold #5733).....		28.61	5.64
26 05 33 23-0088	EA	4-3/4" Square x 1-3/8" Deep, Distribution Box (Wiremold #5735).....		28.52	5.64
26 05 33 23-0089	EA	4-3/8" Blank Cover (Wiremold #5736).....		13.57	3.52
26 05 33 23-0090	EA	4-3/4" Diameter, Extension Box/Open Base (Wiremold #5737).....		26.14	5.64
26 05 33 23-0091	EA	5-1/2" Diameter, Extension Box/Open Base (Wiremold #5737A).....		25.31	5.64
26 05 33 23-0092	EA	4-3/4" Diameter, Fixture Box/Solid Base (Wiremold #5738).....		25.50	5.64
26 05 33 23-0093	EA	5-1/2" Diameter, Fixture Box/Solid Base (Wiremold #5738A).....		25.50	5.64
26 05 33 23-0094	EA	5-1/2" Diameter, Fan Box/Solid Base (Wiremold #5738AF).....		28.52	5.64
26 05 33 23-0095	EA	6-3/8" Diameter, Fixture Box/Solid Base (Wiremold #5739).....		28.20	5.64
26 05 33 23-0096	EA	6-3/8" Diameter, Extension Box/Open Base (Wiremold #5739A).....		29.94	5.64
26 05 33 23-0097	EA	Standard Switch Box For #500, Or #700 (Wiremold #57240).....		34.95	9.16
26 05 33 23-0098	EA	Duplex Receptacle And Box, Ground, For #500 Or #700 (Wiremold #57243G).....		56.62	17.60
26 05 33 23-0099	EA	2-13/16" x 4-5/8" x 1-3/8" Switch And Receptacle Box For Shallow Type Switches (Wiremold #5741).....		27.33	9.16
26 05 33 23-0100	EA	1 Gang, 4-5/8" x 2-7/8" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744).....		41.04	9.16
26 05 33 23-0101	EA	2 Gang, 4-3/4" x 4-3/4" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-2).....		46.48	9.16
26 05 33 23-0102	EA	3 Gang, 4-5/8" x 6-1/2" x 2-3/4" Extra Deep Switch And Receptacle Box (Wiremold #5744-3).....		68.60	9.16
26 05 33 23-0103	EA	1 Gang, Signal Box (Wiremold #5744S).....		36.96	7.74
26 05 33 23-0104	EA	2 Gang, Signal Box (Wiremold #5744S-2).....		40.88	7.74
26 05 33 23-0105	EA	3 Gang, Signal Box (Wiremold #5744S-3).....		63.62	7.74
26 05 33 23-0106	EA	4-5/8" x 2-7/8" x 1-3/4" Combination Switch And Receptacle Box With 1/2" KO's (Wiremold #5745).....		28.37	9.16
26 05 33 23-0107	EA	4-5/8" x 2-7/8" x 1-3/8", 1 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747).....		25.40	9.16
26 05 33 23-0108	EA	4-3/4" x 4-3/4" x 1-3/8", 2 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-2).....		34.19	9.16
26 05 33 23-0109	EA	4-5/8" x 6-1/2" x 2-3/4", 3 Gang, Shallow Switch And Receptacle Box For Standard Shallow Devices (Wiremold #5747-3).....		62.94	9.16
26 05 33 23-0110	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748).....		26.89	9.16
26 05 33 23-0111	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-2).....		35.97	9.16
26 05 33 23-0112	EA	4-5/8" x 6-1/2" x 1-3/4", 3 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-3).....		61.28	9.16
26 05 33 23-0113	EA	4-5/8" x 8-11/32" x 1-3/4", 4 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-4).....		89.13	9.16
26 05 33 23-0114	EA	4-5/8" x 10-5/32" x 1-3/4", 5 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-5).....		144.51	9.16
26 05 33 23-0115	EA	4-5/8" x 11-31/32" x 1-3/4", 6 Gang, Switch And Receptacle Box For Deep Devices (Wiremold #5748-6).....		146.98	9.16
26 05 33 23-0116	EA	4-3/8" x 2-7/8" x 15/16" Shallow Switch And Receptacle Box For Shallow Duplex Devices (Wiremold #5748-S).....		26.61	9.16
26 05 33 23-0117	EA	4-5/8" x 2-7/8" x 15/16", 1 Gang, Flush-Type Extension Adapter (Wiremold #5751).....		25.97	9.16
26 05 33 23-0118	EA	4-3/4" x 4-3/4" x 15/16", 2 Gang, Flush-Type Extension Adapter (Wiremold #5751-2).....		33.30	9.16
26 05 33 23-0119	EA	4-5/8" x 6-1/2" x 15/16", 3 Gang, Flush-Type Extension Adapter (Wiremold #5751-3).....		61.84	9.16
26 05 33 23-0120	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Deep Flush-Type Extension Adapter (Wiremold #5751A).....		27.77	9.16
26 05 33 23-0121	EA	4-11/16" x 4-11/16" x 1-3/8", 2 Gang, Alarm Device Box (Wiremold #5752).....		34.84	9.16
26 05 33 23-0122	EA	4-11/16" x 4-11/16" x 2-3/4", 2 Gang, Extra Deep Alarm Device Box (Wiremold #5753).....		48.53	9.16
26 05 33 23-0123	EA	Blank Extension Box (Wiremold #5760).....		17.01	3.52
26 05 33 23-0124	EA	1/2" Special Nipple (Wiremold #5780).....		16.27	3.52
26 05 33 23-0125	EA	1/2" Box Connector (Wiremold #5781).....		11.31	3.52
26 05 33 23-0126	EA	3/4" Box Connector (Wiremold #5781A).....		20.34	4.22
26 05 33 23-0127	EA	1/2" Conduit Connector (Wiremold #5782).....		11.40	3.52
26 05 33 23-0128	EA	3/4" Conduit Connector (Wiremold #5782A).....		25.04	4.22
26 05 33 23-0129	EA	1/2" Elbow Conduit Connector (Wiremold #5784).....		22.62	4.22
26 05 33 23-0130	EA	Combination Connector, To Any 3-1/4" Or 4" Outlet Box (Wiremold #5785).....		13.36	4.22
26 05 33 23-0131	EA	Offset Connector (Wiremold #5786).....		21.12	4.22
26 05 33 23-0132	EA	Armor Cable Connector (Wiremold #5790B).....		11.55	3.52
26 05 33 23-0133	EA	1/2" Electrical Metallic Tubing (EMT) Connector, For #500 Or 700 (Wiremold #5791).....		10.10	2.82



MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI UOM		UNIT COST	UNIT COST

<b>26 05 33 23-0134</b>	<b>1-9/16" x 11/32" One Piece Surface Metal Raceways (Wiremold #1500)</b> <small>(26 05 33 23-0057)</small> Note: Galvanized finish.		
26 05 33 23-0135	LF 1-9/16" x 11/32" One Piece Surface Metal Raceway (Wiremold #1500-10) .....	10.46	3.52
	<i>For Concrete Or Masonry Surface, Add</i> .....	0.35	
26 05 33 23-0136	EA Wire Clip (Wiremold #1500WC).....	6.77	2.82
26 05 33 23-0137	EA Bushing (Wiremold #1502).....	8.09	3.52
26 05 33 23-0138	EA 2-Hole Strap (Wiremold #1504).....	9.25	4.22
26 05 33 23-0139	EA Flat Elbow (Wiremold #1511).....	34.59	13.38
26 05 33 23-0140	EA Internal Elbow (Wiremold #1517).....	35.56	13.38
26 05 33 23-0141	EA Adapter Fitting (Wiremold #1517B).....	37.82	13.38
26 05 33 23-0142	EA External Elbow (Wiremold #1518).....	37.63	13.38
26 05 33 23-0143	EA Utility Box (Wiremold #1528).....	32.79	9.16
26 05 33 23-0144	EA Junction Box (Wiremold #1542D).....	33.69	9.16
26 05 33 23-0145	EA Duplex Receptacle (Wiremold #1543GL).....	65.92	17.60
26 05 33 23-0146	EA Single Receptacle Box (Wiremold #1546A).....	34.59	9.16
26 05 33 23-0147	EA Duplex Receptacle Box (Wiremold #1546B).....	41.48	9.16
26 05 33 23-0148	EA Telephone Box (Wiremold #1546T).....	40.76	9.16
26 05 33 23-0149	EA Combination Connection (Wiremold #1585).....	19.63	4.22

<b>26 05 33 23-0150</b>	<b>2-7/32" x 28/32" One Piece Surface Metal Raceways (Wiremold #2600)</b> <small>(26 05 33 23-0057)</small> Note: Galvanized finish.		
26 05 33 23-0151	LF 2-7/32" x 28/32" One Piece Surface Metal Raceway (Wiremold #2600-10) .....	17.57	6.34
	<i>For Concrete Or Masonry Surface, Add</i> .....	0.63	
26 05 33 23-0152	EA Wire Clip (Wiremold #2600WC).....	6.82	2.82
26 05 33 23-0153	EA Fiber Bushing (Wiremold #2602).....	7.47	2.82
26 05 33 23-0154	EA 2-5/8", 90 Degree Flat Elbow (Wiremold #2611).....	24.49	4.92
26 05 33 23-0155	EA 5" Diameter, Junction Box (Wiremold #2642D).....	36.51	7.04
26 05 33 23-0156	EA Service Fitting (Wiremold #2686FO).....	36.47	8.45

<b>26 05 33 23-0157</b>	<b>Two Piece Surface Metal Raceways</b> <small>(26 05 33 23-0056)</small> Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).		
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<b>26 05 33 23-0158</b>	<b>1-9/32" x 3/4" Two Piece Surface Metal Raceways (Wiremold #2000)</b> <small>(26 05 33 23-0157)</small>		
26 05 33 23-0159	LF 1-9/32" x 3/4" Two Piece Surface Metal Raceway Base And Cover (Wiremold #2000BC) .....	10.05	3.52
	<i>For Concrete Or Masonry Surface, Add</i> .....	0.35	
26 05 33 23-0160	EA Wire Clip (Wiremold #2000WC).....	5.00	2.82
26 05 33 23-0161	EA Coupling (Wiremold #2001).....	13.64	3.52
26 05 33 23-0162	EA Supporting Clip (Wiremold #2003).....	6.18	2.12
26 05 33 23-0163	EA Cover Clip (Wiremold #2006).....	5.80	2.12
26 05 33 23-0164	EA Ground Clamp (Wiremold #2009).....	14.21	3.52
26 05 33 23-0165	EA Entrance End Fitting (Wiremold #2010A2).....	29.67	10.56
26 05 33 23-0166	EA Entrance End Fitting (Wiremold #2010A3).....	48.98	14.08
26 05 33 23-0167	EA Blank End Fitting (Wiremold #2010B).....	8.19	3.52
26 05 33 23-0168	EA Flat 90 Degree Elbow (Wiremold #2011).....	25.56	9.16
26 05 33 23-0169	EA Tee (Wiremold #2015).....	45.35	13.24
26 05 33 23-0170	EA Internal Corner Coupling (Wiremold #2017TC).....	16.87	7.04
26 05 33 23-0171	EA Single Gang Device Box (Wiremold #2048).....	38.15	12.54
26 05 33 23-0172	EA 2-Gang device Box (Wiremold #2048-2).....	57.57	13.94
26 05 33 23-0173	EA Flush Plate Adapter (Wiremold #2051H).....	41.48	13.94
26 05 33 23-0174	EA Side Reducing Connector (Wiremold #2089).....	32.20	7.04
26 05 33 23-0175	EA #2089E End Reducing Connector.....	13.55	3.52

<b>26 05 33 23-0176</b>	<b>1-7/8" x 7/8" Two Piece Surface Metal Raceways (Wiremold #2400)</b> <small>(26 05 33 23-0157)</small> Note: Available in gray enamel (G) or ivory (V).		
26 05 33 23-0177	LF 1-7/8" x 7/8" Two Piece Surface Metal Raceway Base (Wiremold #2400B) .....	8.81	3.52
	<i>For Concrete Or Masonry Surface, Add</i> .....	0.35	
26 05 33 23-0178	LF 1-7/8" x 7/8" Divided Two Piece Surface Metal Raceway Base (Wiremold #2400BD) .....	9.51	3.52
	<i>For Concrete Or Masonry Surface, Add</i> .....	0.35	
26 05 33 23-0179	LF Raceway Cover (Wiremold #2400C).....	3.20	0.70
26 05 33 23-0180	EA Wire Clip (Wiremold #2400WC).....	4.99	2.82
26 05 33 23-0181	EA Coupling (Wiremold #2401).....	13.56	3.52
26 05 33 23-0182	EA Divided Raceway Coupling (Wiremold #2401D).....	10.42	3.52
26 05 33 23-0183	EA Cover Clip (Wiremold #2406).....	5.83	2.12
26 05 33 23-0184	EA Device Bracket Frame (Wiremold #2407-2CM).....	41.25	10.56
26 05 33 23-0185	EA Device Bracket Frame (Wiremold #2407-2TJ).....	39.71	10.56
26 05 33 23-0186	EA Ground Clamp (Wiremold #2409).....	10.51	2.82
26 05 33 23-0187	EA End Fitting (Wiremold #2410A).....	28.62	10.56
26 05 33 23-0188	EA Blank End (Wiremold #2410B).....	8.25	3.52
26 05 33 23-0189	EA Divided Blank End Fitting (Wiremold #2410BD).....	8.33	3.52
26 05 33 23-0190	EA Entrance End Fitting (Wiremold #2410C).....	41.08	10.56
26 05 33 23-0191	EA Divided Entrance End Fitting (Wiremold #2410D).....	39.58	10.56
26 05 33 23-0192	EA Divided Entrance End Fitting (Wiremold #2410DFO).....	61.89	10.56
26 05 33 23-0193	EA Full Cap Entrance End Fitting (Wiremold #2410FC).....	48.51	10.56
26 05 33 23-0194	EA Divided Flat 90 Degree Elbow (Wiremold #2411D).....	31.55	10.56
26 05 33 23-0195	EA Radiused Divided Flat 90 Degree Elbow (Wiremold #2411DFO).....	47.71	10.56
26 05 33 23-0196	EA Radiused Flat 90 Degree Elbow (Wiremold #2411FO).....	43.19	10.42
26 05 33 23-0197	EA Flat 90 Degree Elbow (Wiremold #2411M).....	30.29	10.56
26 05 33 23-0198	EA Radiused Divided Tee (Wiremold #2415DFO).....	50.82	10.42
26 05 33 23-0199	EA Radiused Tee (Wiremold #2415FO).....	48.55	10.42

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 23-0200	EA	Tee (Wiremold #2415M).....	35.01	10.42
26 05 33 23-0201	EA	Divided Internal Coupling (Wiremold #2417D).....	29.98	10.42
26 05 33 23-0202	EA	Radiused Divided Internal Coupling (Wiremold #2417DFO).....	44.44	10.42
26 05 33 23-0203	EA	Radiused Internal Coupling (Wiremold #2417FO).....	43.26	10.42
26 05 33 23-0204	EA	Internal Coupling (Wiremold #2417M).....	29.19	10.42
26 05 33 23-0205	EA	Radiused Divided External Coupling (Wiremold #2418DFO).....	47.91	10.42
26 05 33 23-0206	EA	Radiused External Coupling (Wiremold #2418FO).....	47.21	10.42
26 05 33 23-0207	EA	External Coupling (Wiremold #2418M).....	34.50	10.42
26 05 33 23-0208	EA	1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444).....	43.40	9.16
26 05 33 23-0209	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444-2).....	47.75	9.16
26 05 33 23-0210	EA	Over Raceway, Extra Deep Switch And Receptacle Box, 2 Gang (Wiremold #2444-2LS).....	47.98	9.16
26 05 33 23-0211	EA	Divided, 1 Gang, Extra Deep Switch And Receptacle (Wiremold #2444D).....	46.13	9.16
26 05 33 23-0212	EA	Divided, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2A).....	63.49	9.16
26 05 33 23-0213	EA	Divided, Over Raceway, 2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #2444D-2N).....	56.36	9.16
26 05 33 23-0214	EA	4-5/8" x 2-7/8" x 1-3/4", 1 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448).....	31.58	9.16
26 05 33 23-0215	EA	4-3/4" x 4-3/4" x 1-3/4", 2 Gang, Switch And Receptacle Box For Shallow Devices (Wiremold #2448-2).....	46.79	9.16
26 05 33 23-0216	EA	Device Bracket Type Adapter Plate (Wiremold #2450).....	14.68	3.52
26 05 33 23-0217	EA	4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #2451H).....	35.73	10.56
26 05 33 23-0218	EA	Bridge Fitting For 2400/700/500 (Wiremold #2475D).....	97.42	10.56
26 05 33 23-0219	EA	Side Reducing Connector (Wiremold #2489).....	29.47	5.64

**26 05 33 23-0220 2-3/4" x 1-17/32" Two Piece Surface Metal Raceways (Wiremold #3000)** (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0221	LF	2-3/4" x 1-17/32" Two Piece Surface Metal Raceway Base (Wiremold #3000B).....	17.07	6.34
		<i>For Concrete Or Masonry Surface, Add</i>	0.63	
26 05 33 23-0222	LF	Raceway Cover (Wiremold #3000CE).....	3.69	0.70
26 05 33 23-0223	EA	Wire Clips For Conductors (Wiremold #3000WC).....	6.38	2.82
26 05 33 23-0224	EA	Couplings (Wiremold #3001).....	16.90	2.82
26 05 33 23-0225	EA	Rigid Inside Coupling (Wiremold #3001A).....	15.49	3.52
26 05 33 23-0226	EA	Supporting Clip (Wiremold #3003).....	11.85	3.52
26 05 33 23-0227	EA	Clip Cover (Wiremold #3006E).....	7.16	2.82
26 05 33 23-0228	EA	Device Brackets (Wiremold #3007C).....	17.77	5.64
26 05 33 23-0229	EA	C-Hanger (Wiremold #3008C).....	17.06	4.22
26 05 33 23-0230	EA	Entrance End Fitting For Connecting To 1/2" Conduit Or Armored Connectors (Wiremold #3010AE).....	41.33	13.38
26 05 33 23-0231	EA	Blank End Fittings (Wiremold #3010B).....	15.45	5.64
26 05 33 23-0232	EA	Entrance End Fitting For Connecting To Rigid Or Flexible Conduit (Wiremold #3010C).....	45.13	13.38
26 05 33 23-0233	EA	Flat 90 Degree Elbow (Wiremold #3011E).....	66.59	17.46
26 05 33 23-0234	EA	Wall Box Connector (Wiremold #3014C).....	49.84	17.60
26 05 33 23-0235	EA	Tee Fitting (Wiremold #3015E).....	90.60	21.83
26 05 33 23-0236	EA	Internal Corner Coupling (Wiremold #3017TCE).....	44.23	13.38
26 05 33 23-0237	EA	External Corner (Wiremold #3018AE).....	53.16	13.38
26 05 33 23-0238	EA	Single Receptacle Cover With Face Diameters Of 1.38" To 1.4" (Wiremold #3027AE).....	39.67	13.38
26 05 33 23-0239	EA	Utility Box (Wiremold #3028).....	63.03	13.38
26 05 33 23-0240	EA	Single Receptacle Cover With Face Diameters Of 1.56" To 1.57" (Wiremold #3033JE).....	19.98	3.52
26 05 33 23-0241	EA	Blank Cover (Wiremold #3036HE).....	21.71	3.52
26 05 33 23-0242	EA	Switch Cover (Wiremold #3040CE).....	19.93	3.52
26 05 33 23-0243	EA	Duplex Receptacle Cover (Wiremold #3043BE).....	23.94	4.22
26 05 33 23-0244	EA	15 Amperes, 125 Volt Duplex Grounding Receptacle And Cover (Wiremold #3043GE).....	65.01	18.30
26 05 33 23-0245	EA	2 Gang, Extra Deep Switch And Receptacle Box (Wiremold #3044-2).....	70.21	13.38
26 05 33 23-0246	EA	Duplex Receptacle Cover (Wiremold #3046BE).....	20.38	4.22
26 05 33 23-0247	EA	Tap Off Fitting (Wiremold #3046H-2).....	23.33	3.52
26 05 33 23-0248	EA	1-15/16" Deep x 6" Long, Circuit Breaker Housing (Wiremold #3046KD).....	90.65	8.45
26 05 33 23-0249	EA	2-3/4" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046KTSQ).....	218.16	8.45
26 05 33 23-0250	EA	1-13/16" Deep x 7-3/8" Long, Circuit Breaker Housing (Wiremold #3046QOU).....	79.21	8.45
26 05 33 23-0251	EA	1-13/16" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046S).....	85.54	8.45
26 05 33 23-0252	EA	1-13/32" Deep x 7-15/16" Long x 2-13/16" Wide, Bump Up Device Plate Cover (Wiremold #3046U).....	85.54	8.45
26 05 33 23-0253	EA	Rectangular Receptacle Cover (Wiremold #3048R).....	27.59	4.22

**26 05 33 23-0254 4-3/4" x 1-3/4" Two Piece Surface Metal Raceways (Wiremold #4000)** (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0255	LF	4-3/4" x 1-3/4" Two Piece Surface Metal Raceway Base (Wiremold #4000B-10).....	20.64	6.34
		<i>For Concrete Or Masonry Surface, Add</i>	0.68	
26 05 33 23-0256	LF	Raceway Cover (Wiremold #4000C).....	6.87	0.70
26 05 33 23-0257	LF	Divider (Wiremold #4000D).....	3.50	0.70
26 05 33 23-0258	EA	Wire Clips For Conductors (Wiremold #4000WC).....	7.70	3.52
26 05 33 23-0259	EA	Couplings (Wiremold #4001A).....	20.39	4.22
26 05 33 23-0260	EA	Divider Clip (Wiremold #4001D).....	10.11	4.22
26 05 33 23-0261	EA	Seam Clip (Wiremold #4006).....	10.26	4.22
26 05 33 23-0262	EA	Single Device Fitting (Wiremold #4007C-1R).....	38.47	9.16
26 05 33 23-0263	EA	Blank End Fittings (Wiremold #4010B).....	21.22	5.64
26 05 33 23-0264	EA	Entrance End Fitting (Wiremold #4010DFO).....	81.52	21.68
26 05 33 23-0265	EA	Flat 90 Degree Elbow (Wiremold #4011).....	74.77	17.60
26 05 33 23-0266	EA	Radiused Flat 90 Degree Elbow (Wiremold #4011FO).....	87.04	17.60
26 05 33 23-0267	EA	Internal Or External 45 Degree Elbow (Wiremold #4012TX).....	82.47	21.83
26 05 33 23-0268	EA	Wall Box Connector (Wiremold #4014A).....	107.03	21.83
26 05 33 23-0269	EA	Tee Fitting (Wiremold #4015).....	117.79	21.83
26 05 33 23-0270	EA	Divided Tee Fitting (Wiremold #4015D).....	122.11	21.83
26 05 33 23-0271	EA	Radiused Full Capacity Divided Tee Fitting (Wiremold #4015DFO).....	144.13	21.83
26 05 33 23-0272	EA	Radiused Tee Fitting (Wiremold #4015FO).....	144.56	21.83
26 05 33 23-0273	EA	Internal Elbow (Wiremold #4017).....	68.66	21.83
26 05 33 23-0274	EA	Internal Elbow (Wiremold #4017FO).....	115.89	21.83
26 05 33 23-0275	EA	Inverted Internal Elbow (Wiremold #4017N).....	75.15	21.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0276	EA		Internal Corner Coupling (Wiremold #4017TCA).....	65.23	21.83
26 05 33 23-0277	EA		External Elbow (Wiremold #4018).....	98.16	21.83
26 05 33 23-0278	EA		Radiused External Elbow (Wiremold #4018FO).....	112.52	21.83
26 05 33 23-0279	EA		Single Locking Receptacle And Two RJ11/45 Modulular Connectors Outlet Cover (Wiremold #4046ARJ).....	91.46	9.16
26 05 33 23-0280	EA		Double Duplex Receptacle Outlet Cover (Wiremold #4046B-2).....	96.77	9.16
26 05 33 23-0281	EA		Duplex Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046DRJ).....	96.77	9.16
26 05 33 23-0282	EA		Double Duplex Receptacle And Four RJ11/45 Modular Connector Cover (Wiremold #4046DRJ-2).....	128.16	9.16
26 05 33 23-0283	EA		Tap-Off Fitting (Wiremold #4046H-2).....	29.76	9.16
26 05 33 23-0284	EA		Combination Single Receptacle And Phone Outlet Center (Wiremold #4046JRJ).....	81.61	4.22
26 05 33 23-0285	EA		Rectangular Receptacle And Two RJ11/45 Modular Connector Cover (Wiremold #4046RRJ).....	98.97	9.16
26 05 33 23-0286	EA		1 Gang Device Plate (Wiremold #G4047C-1).....	28.72	9.16
26 05 33 23-0287	EA		2 Gang Device Plate (Wiremold #G4047C-2).....	33.05	9.16
26 05 33 23-0288	EA		Device Mounting Bracket (Wiremold #4050).....	32.21	7.04
26 05 33 23-0289	EA		#4000 To #3000 Take-off Connector (Wiremold #4074A).....	146.23	21.83
26 05 33 23-0290	EA		Bridge Fitting (Wiremold #4075D).....	132.62	21.83
26 05 33 23-0291	EA		Bridge Fitting (Wiremold #4075DA).....	132.62	21.83
26 05 33 23-0292	EA		Panel Connector (Wiremold #4086A).....	116.18	41.54
26 05 33 23-0293	EA		Reducing Connector Fitting (Wiremold #4089).....	70.02	21.83

**26 05 33 23-0294 4-3/4" x 3-9/16" Two Piece Surface Metal Raceways (Wiremold #6000)** (26 05 33 23-0157)

Note: Available in gray enamel (G) or ivory (V).

26 05 33 23-0295	LF		4-3/4" x 3-9/16" Two Piece Surface Metal Raceway Base (Wiremold #6000B-10).....	31.40	7.74
			<i>For Concrete Or Masonry Surface, Add</i>	0.77	
26 05 33 23-0296	LF		Raceway Cover (Wiremold #6000C).....	8.96	2.12
26 05 33 23-0297	LF		Divider (Wiremold #6000DA).....	9.37	2.12
26 05 33 23-0298	EA		Wire Clips For Conductors (Wiremold #6000WC).....	9.49	3.52
26 05 33 23-0299	EA		Couplings (Wiremold #6001A).....	26.56	7.04
26 05 33 23-0300	EA		Divider Clip (Wiremold #6001D).....	12.24	3.52
26 05 33 23-0301	EA		Converter Coupling (Wiremold #6001TX).....	33.80	9.16
26 05 33 23-0302	EA		Connection Cover (Wiremold #6006).....	32.15	9.16
26 05 33 23-0303	EA		Single Gang Device Plate (Wiremold #6007C-1).....	33.65	9.16
26 05 33 23-0304	EA		Two Gang Device Plate (Wiremold #6007C-2).....	36.71	9.16
26 05 33 23-0305	EA		C-Hanger (Wiremold #6008A).....	53.38	13.38
26 05 33 23-0306	EA		Blank End Fittings (Wiremold #6010B).....	58.54	21.12
26 05 33 23-0307	EA		Combination Flat Elbow (Wiremold #6011TX).....	107.20	21.12
26 05 33 23-0308	EA		Internal-External 45 Degree Elbow (Wiremold #6012TX).....	108.84	20.28
26 05 33 23-0309	EA		Connector Fitting (Wiremold #6014A).....	154.28	21.83
26 05 33 23-0310	EA		Combination Internal-External Elbow (Wiremold #6017TX).....	111.33	23.94
26 05 33 23-0311	EA		Circuit Breaker Housing (Wiremold #6046KD).....	191.40	23.94
26 05 33 23-0312	EA		#6000 To #6000 Take-off Connector (Wiremold #6074).....	184.43	21.12
26 05 33 23-0313	EA		#6000 To #4000 Take-off Connector (Wiremold #6074A).....	199.29	21.12
26 05 33 23-0314	EA		Panel Connector (Wiremold #6086).....	126.00	49.01

**26 05 33 23-0315 Two Piece Surface Aluminum Raceways** (26 05 33 23-0056)

Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).

**26 05 33 23-0316 1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceways (Wiremold #AL2000)** (26 05 33 23-0315)

26 05 33 23-0317	LF		1-7/16" x 1-1/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2000B).....	12.53	3.52
			<i>For Concrete Or Masonry Surface, Add</i>	0.35	
26 05 33 23-0318	LF		Aluminum Raceway Cover (Wiremold #AL2000C).....	5.75	0.70
26 05 33 23-0319	EA		Wire Clip (Wiremold #AL2000WC).....	6.26	2.82
26 05 33 23-0320	EA		Coupling (Wiremold #AL2001).....	14.61	3.52
26 05 33 23-0321	EA		Supporting Clip (Wiremold #AL2003).....	6.69	2.12
26 05 33 23-0322	EA		Cover Clip (Wiremold #AL2006).....	8.22	2.12
26 05 33 23-0323	EA		Ground Clamp (Wiremold #AL2009).....	12.01	3.52
26 05 33 23-0324	EA		Entrance End Fitting (Wiremold #AL2010A).....	33.86	10.56
26 05 33 23-0325	EA		Blank End Fitting (Wiremold #AL2010B).....	11.01	3.52
26 05 33 23-0326	EA		Flat 90 Degree Elbow (Wiremold #AL2011).....	37.84	9.16
26 05 33 23-0327	EA		Tee (Wiremold #AL2015).....	51.73	13.24
26 05 33 23-0328	EA		Internal Corner Elbow (Wiremold #AL2017).....	33.65	7.04
26 05 33 23-0329	EA		External Corner Elbow (Wiremold #AL2018).....	33.59	7.04
26 05 33 23-0330	EA		2 To 15 Amperes, In-Line Receptacle (Wiremold #AL2043).....	56.12	13.94
26 05 33 23-0331	EA		4-13/16" Round Fixture Box (Wiremold #AL2038).....	120.83	12.54
26 05 33 23-0332	EA		4-1/2" x 3" x 2-1/4" D Box (Wiremold #AL2044).....	56.97	12.54
26 05 33 23-0333	EA		4-5/8" x 4-7/8" x 2-1/2" D Box (Wiremold #AL2044-2).....	112.36	13.94
26 05 33 23-0334	EA		Single Gang Shallow Device Box (Wiremold #AL2047).....	58.79	12.54
26 05 33 23-0335	EA		2-Gang Shallow Device Box (Wiremold #AL2047-2).....	100.08	13.94
26 05 33 23-0336	EA		Flush Plate Adapter (Wiremold #AL2051H).....	46.60	13.94

**26 05 33 23-0337 2" x 1-9/32" Two Piece Surface Aluminum Raceways (Wiremold #AL2400)** (26 05 33 23-0315)

26 05 33 23-0338	LF		2" x 1-9/32" Two Piece Surface Aluminum Raceway Base (Wiremold #AL2400B).....	13.86	3.52
			<i>For Concrete Or Masonry Surface, Add</i>	0.35	
26 05 33 23-0339	LF		Aluminum Raceway Cover (Wiremold #AL2400C).....	5.93	0.70
26 05 33 23-0340	EA		Wire Clip (Wiremold #AL2400WC).....	8.21	2.82
26 05 33 23-0341	EA		Coupling (Wiremold #AL2401).....	16.46	3.52
26 05 33 23-0342	EA		Cover Clip (Wiremold #AL2406).....	10.40	2.12
26 05 33 23-0343	EA		Ground Clamp (Wiremold #AL2409).....	9.26	2.82
26 05 33 23-0344	EA		Blank End (Wiremold #AL2410B).....	12.01	3.52
26 05 33 23-0345	EA		End Fitting (Wiremold #AL2410B2).....	27.14	10.56
26 05 33 23-0346	EA		Flat 90 Degree Elbow (Wiremold #AL2411).....	45.55	10.56

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0347	EA		Tee (Wiremold #AL2415).....	49.21	10.42
26 05 33 23-0348	EA		Fourway Fitting (Wiremold #AL2416).....	56.96	10.42
26 05 33 23-0349	EA		Internal Coupling (Wiremold #AL2417).....	45.38	10.42
26 05 33 23-0350	EA		External Coupling (Wiremold #AL2418).....	48.49	10.42
26 05 33 23-0351	EA		4-1/2" x 4-1/2" Back Feed Fitting (Wiremold #AL2451H).....	41.14	10.56
<b>26 05 33 23-0352</b>			<b>2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceways (Wiremold #AL3300)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0353	LF		2-7/8" x 1-7/8" Two Piece Surface Aluminum Raceway Base (Wiremold #AL3300B).....	25.05	6.34
			<i>For Concrete Or Masonry Surface, Add</i>	0.63	
26 05 33 23-0354	LF		Aluminum Raceway Cover (Wiremold #AL3300CE).....	7.02	0.70
26 05 33 23-0355	LF		Raceway Divider (Wiremold #AL3300D).....	5.83	6.34
26 05 33 23-0356	EA		Wire Clips For Conductors (Wiremold #AL3300WC).....	11.61	2.82
26 05 33 23-0357	EA		Couplings (Wiremold #AL3301).....	21.90	2.82
26 05 33 23-0358	EA		Divider Coupling (Wiremold #AL3301D).....	17.69	3.52
26 05 33 23-0359	EA		Ground Clamp (Wiremold #AL3309).....	12.03	2.82
26 05 33 23-0360	EA		Blank End Fittings (Wiremold #AL3310B).....	24.95	5.64
26 05 33 23-0361	EA		End Fitting (Wiremold #AL3310B1).....	41.83	13.38
26 05 33 23-0362	EA		Flat 90 Degree Elbow (Wiremold #AL3311).....	120.12	17.46
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0363	EA		Tee Fitting (Wiremold #AL3315).....	138.36	21.83
			Note: Includes three (3) AL3301 couplings.		
26 05 33 23-0364	EA		Cross Fitting (Wiremold #AL3316).....	155.61	21.83
			Note: Includes four (4) AL3301 couplings.		
26 05 33 23-0365	EA		Internal Elbow (Wiremold #AL3317).....	111.66	13.38
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0366	EA		External Elbow (Wiremold #AL3318).....	111.78	13.38
			Note: Includes two (2) AL3301 couplings.		
26 05 33 23-0367	EA		Duplex Receptacle Cover (Wiremold #AL3346D).....	25.16	4.22
26 05 33 23-0368	EA		Single Receptacle Cover (Wiremold #AL3346E).....	25.01	4.22
26 05 33 23-0369	EA		GFCI/ Surge Receptacle Cover (Wiremold #AL3346G).....	24.76	4.22
26 05 33 23-0370	EA		Single Device Cover Plate (Wiremold #AL3356R).....	24.56	3.52
<b>26 05 33 23-0371</b>			<b>5" x 2" Two Piece Surface Aluminum Raceways (Wiremold #AL5200)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0372	LF		5" x 2" Two Piece Surface Aluminum Raceway Base (Wiremold #AL5200B-10).....	29.73	6.34
			<i>For Concrete Or Masonry Surface, Add</i>	0.68	
26 05 33 23-0373	LF		Aluminum Raceway Cover (Wiremold #AL5200C).....	11.69	0.70
26 05 33 23-0374	LF		Divider (Wiremold #AL5200D).....	6.95	0.70
26 05 33 23-0375	EA		Wire Clips For Conductors (Wiremold #AL5200WC).....	9.78	3.52
26 05 33 23-0376	EA		Wire Clips For Conductors (Wiremold #AL5200WC2).....	8.34	3.52
26 05 33 23-0377	EA		Wire Clips For Conductors (Wiremold #AL5200WC3).....	8.29	3.52
26 05 33 23-0378	EA		Couplings (Wiremold #AL5201).....	20.01	4.22
26 05 33 23-0379	EA		Cover Clip (Wiremold #AL5206).....	17.17	4.22
26 05 33 23-0380	EA		Ground Adapter (Wiremold #AL5209).....	21.81	4.22
26 05 33 23-0381	EA		Blank End Fittings (Wiremold #AL5210B).....	22.59	5.64
26 05 33 23-0382	EA		Blank End Fittings (Wiremold #AL5210B1).....	24.08	5.64
26 05 33 23-0383	EA		Blank End Fittings (Wiremold #AL5210B2).....	24.41	5.64
26 05 33 23-0384	EA		Blank End Fittings (Wiremold #AL5210B3).....	23.73	5.64
26 05 33 23-0385	EA		Flat 90 Degree Elbow (Wiremold #AL5211).....	119.27	17.60
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0386	EA		Wall Box Connector (Wiremold #AL5214).....	97.01	21.83
26 05 33 23-0387	EA		Tee Fitting (Wiremold #AL5215).....	140.04	21.83
			Note: Includes three (3) pairs of AL5201 couplings.		
26 05 33 23-0388	EA		Four Way Fitting (Wiremold #AL5216).....	152.78	21.83
			Note: Includes four (4) pairs of AL5201 couplings.		
26 05 33 23-0389	EA		Internal Elbow (Wiremold #AL5217).....	125.22	21.83
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0390	EA		Internal Corner Coupling (Wiremold #AL5217A).....	58.16	21.83
26 05 33 23-0391	EA		Inverted Internal Elbow (Wiremold #AL5217N).....	128.47	21.83
26 05 33 23-0392	EA		External Elbow (Wiremold #AL5218).....	126.23	21.83
			Note: Includes two (2) pairs of AL5201 couplings.		
26 05 33 23-0393	EA		Blank Device Cover Plate (Wiremold #AL5246B).....	26.88	4.22
26 05 33 23-0394	EA		Receptacle Device Cover Plate (Wiremold #AL5246D).....	31.54	4.22
26 05 33 23-0395	EA		Double Receptacle Device Cover Plate (Wiremold #AL5246DD).....	37.12	4.22
26 05 33 23-0396	EA		Device Cover Plate (Wiremold #AL5246F).....	34.92	4.22
26 05 33 23-0397	EA		Device Cover Plate (Wiremold #AL5246G).....	32.37	4.22
26 05 33 23-0398	EA		Offset Divider (Wiremold #AL5260).....	31.57	9.16
<b>26 05 33 23-0399</b>			<b>3" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA3800)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0400	LF		Single Channel, 3" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA3800B-10).....	26.77	6.34
26 05 33 23-0401	EA		Cover Clip (Wiremold #ALA3806).....	13.18	4.22
26 05 33 23-0402	EA		Blank End Fittings (Wiremold #ALA3810B).....	22.41	5.64
26 05 33 23-0403	EA		Entrance End Cap Fittings (Wiremold #ALA3810B1).....	23.92	5.64
26 05 33 23-0404	EA		Flat 90 Degree Elbow (Wiremold #ALA3811).....	118.13	17.60
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0405	EA		Flat Tee Fitting (Wiremold #ALA3815).....	123.32	21.83
			Note: Includes three (3) ALA01 couplings.		
26 05 33 23-0406	EA		Internal Elbow (Wiremold #ALA3817).....	120.46	21.83
			Note: Includes two (2) ALA01 couplings.		
26 05 33 23-0407	EA		Inverted Internal Elbow (Wiremold #ALA3817N).....	140.27	21.83
			Note: Includes two (2) ALA01 couplings.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0408	EA		External Elbow (Wiremold #ALA3818)..... Note: Includes two (2) ALA01 couplings.	121.93	21.83
<b>26 05 33 23-0409</b>			<b>6" x 2-1/4" Two Piece Surface Aluminum Raceways (Wiremold #ALA4800)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0410	LF		Two Channel, 6" x 2-1/4" Two Piece Surface Aluminum Raceway Base (Wiremold #ALA4800B-10).....	42.39	6.34
26 05 33 23-0411	EA		Cover Clip (Wiremold #ALA4806).....	18.67	4.22
26 05 33 23-0412	EA		Blank End Fittings (Wiremold #ALA4810B).....	24.47	5.64
26 05 33 23-0413	EA		Entrance End Cap Fittings (Wiremold #ALA4810B2).....	27.08	5.64
26 05 33 23-0414	EA		Flat 90 Degree Elbow (Wiremold #ALA4811)..... Note: Includes four (4) ALA01 couplings.	154.54	17.60
26 05 33 23-0415	EA		Flat Tee Fitting (Wiremold #ALA4815)..... Note: Includes six (6) ALA01 couplings.	210.93	21.83
26 05 33 23-0416	EA		Internal Elbow (Wiremold #ALA4817)..... Note: Includes four (4) ALA01 couplings.	144.23	21.83
26 05 33 23-0417	EA		Inverted Internal Elbow (Wiremold #ALA4817N)..... Note: Includes four (4) ALA01 couplings.	168.81	21.83
26 05 33 23-0418	EA		External Elbow (Wiremold #ALA4818)..... Note: Includes four (4) ALA01 couplings.	151.15	21.83
<b>26 05 33 23-0419</b>			<b>Two Piece Surface Aluminum Raceways Fittings (Wiremold #ALA3800 And #ALA4800)</b> <small>(26 05 33 23-0315)</small>		
26 05 33 23-0420	LF		3" Wide Aluminum Raceway Cover (Wiremold #ALAC-5)..... Note: For use with ALA3800 single channel raceway and ALA4800 dual channel raceway.	9.13	0.70
26 05 33 23-0421	EA		Wire Clips (Wiremold #ALAWC).....	8.44	3.52
26 05 33 23-0422	EA		Slide Couplings (Wiremold #ALA01).....	21.42	4.22
26 05 33 23-0423	EA		Grounding Adapter (Wiremold #ALA09).....	18.53	4.22
26 05 33 23-0424	EA		Bend Radius Control Insert For Flat Elbow (Wiremold #ALA11RI).....	50.49	17.60
26 05 33 23-0425	EA		Internal Corner Coupling (Wiremold #ALA17A).....	60.45	21.83
26 05 33 23-0426	EA		Bend Radius Control Insert For Internal And External Elbow (Wiremold #ALA17/18RI).....	55.69	17.60
26 05 33 23-0427	EA		Blank Cover Plate (Wiremold #ALA-BL).....	22.43	4.22
26 05 33 23-0428	EA		Duplex Receptacle Cover Plate (Wiremold #ALA-DR).....	23.85	4.22
26 05 33 23-0429	EA		Single Receptacle Cover Plate, 1.40" Diameter Opening (Wiremold #ALA-E).....	24.79	4.22
26 05 33 23-0430	EA		Single Receptacle Cover Plate, 1.59" Diameter Opening (Wiremold #ALA-F).....	24.37	4.22
26 05 33 23-0431	EA		GFCI/Surge/Decorator Cover Plate (Wiremold #ALA-G).....	24.04	4.22
26 05 33 23-0432	EA		Single Receptacle Cover Plate, 2.13" Diameter Opening (Wiremold #ALA-J).....	24.80	4.22
26 05 33 23-0433	EA		Toggle Switch Cover Plate (Wiremold #ALA-N).....	25.42	4.22
26 05 33 23-0434	EA		Active LPB Cover Plate (Wiremold #ALA-LPB).....	32.30	4.22
26 05 33 23-0435	EA		Active MAB Cover Plate (Wiremold #ALA-MAB).....	30.42	4.22
26 05 33 23-0436	EA		Ortronics Cover Plate (Wiremold #ALA-MABRT).....	34.91	4.22
26 05 33 23-0437	EA		1-3/4" x 2-3/4" Cover Plate (Wiremold #ALA-SG).....	23.36	4.22
26 05 33 23-0438	EA		Active 2A Cover Plate (Wiremold #ALA-2A).....	33.76	4.22
26 05 33 23-0439	EA		Ortronics Communications Cover Plate (Wiremold #ALA-ABRT).....	30.98	4.22
26 05 33 23-0440	EA		3/4" Grommet/Mousehole Cover Plate (Wiremold #ALA-Z).....	25.36	4.22
26 05 33 23-0441	EA		Ortronics Low Profile Cover Plate (Wiremold #ALA-LPB3S2).....	31.25	4.22
<b>26 05 33 23-0442</b>			<b>Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0001)</small>		
			Note: Exposed on flat wall surface.		
<b>26 05 33 23-0443</b>			<b>One Piece Surface Non-Metallic Raceways</b> <small>(26 05 33 23-0442)</small>		
			Note: Exposed on flat wall surface. (Wiremold or approved equal).		
<b>26 05 33 23-0444</b>			<b>7/8" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #400)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0445	LF		7/8" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #400BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	7.67 0.28	2.82
26 05 33 23-0446	EA		Wire Clip (Wiremold #400WC).....	6.07	2.82
26 05 33 23-0447	EA		Cover Clip (Wiremold #406).....	6.34	2.82
26 05 33 23-0448	EA		Blank End Clip (Wiremold #410B).....	12.26	5.64
26 05 33 23-0449	EA		Flat 90 Degree Elbow (Wiremold #411).....	13.94	5.64
26 05 33 23-0450	EA		Tee (Wiremold #415).....	17.53	7.04
26 05 33 23-0451	EA		Internal Elbow (Wiremold #417).....	13.73	5.64
26 05 33 23-0452	EA		External Elbow (Wiremold #418).....	13.73	5.64
<b>26 05 33 23-0453</b>			<b>1-5/16" x 7/16" One Piece Surface Non-Metallic Raceways (Wiremold #800)</b> <small>(26 05 33 23-0443)</small>		
26 05 33 23-0454	LF		1-5/16" x 7/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #800BAC)..... <i>For Concrete Or Masonry Surface, Add</i>	8.41 0.28	2.82
26 05 33 23-0455	EA		Wire Clip (Wiremold #800WC).....	6.10	2.82
26 05 33 23-0456	EA		Cover Clip (Wiremold #806).....	6.20	2.82
26 05 33 23-0457	EA		Entrance End Fitting (Wiremold #810A2).....	17.42	5.64
26 05 33 23-0458	EA		Blank End Fitting (Wiremold #810B).....	12.26	5.64
26 05 33 23-0459	EA		Flat 90 Degree Elbow (Wiremold #811).....	13.75	5.64
26 05 33 23-0460	EA		Tee (Wiremold #815).....	17.26	7.04
26 05 33 23-0461	EA		Internal Elbow (Wiremold #817).....	13.53	5.64
26 05 33 23-0462	EA		External Elbow (Wiremold #818).....	13.53	5.64
26 05 33 23-0463	EA		End Reducer, #800 To #400 (Wiremold #889A).....	14.94	5.64
<b>26 05 33 23-0464</b>			<b>2-1/4" x 11/16" One Piece Surface Non-Metallic Raceways (Wiremold #2300)</b> <small>(26 05 33 23-0443)</small>		



**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 33 23-0465	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2300BAC).....	9.50	2.82
		<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33 23-0466	LF	2-1/4" x 11/16" One Piece Surface Non-Metallic Divided Raceway Base And Cover (Wiremold #2300BACD).....	10.03	2.82
		<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33 23-0467	EA	Wire Clip (Wiremold #2300WC).....	6.33	2.82
26 05 33 23-0468	EA	Cover Clip (Wiremold #2306).....	6.60	2.82
26 05 33 23-0469	EA	Entrance End Fitting (Wiremold #2310A).....	18.72	5.64
26 05 33 23-0470	EA	Blank End Fitting (Wiremold #2310B).....	12.77	5.64
26 05 33 23-0471	EA	Divided Entrance End Fitting (Wiremold #2310DFO).....	20.75	5.64
26 05 33 23-0472	EA	Flat 90 Degree Elbow (Wiremold #2311).....	13.97	5.64
26 05 33 23-0473	EA	Divided Flat 90 Degree Elbow (Wiremold #2311DFO).....	14.83	5.64
26 05 33 23-0474	EA	Tee (Wiremold #2315).....	17.39	7.04
26 05 33 23-0475	EA	Internal Elbow (Wiremold #2317).....	13.97	5.64
26 05 33 23-0476	EA	Divided Internal Elbow (Wiremold #2317DFO).....	14.84	5.64
26 05 33 23-0477	EA	External Elbow (Wiremold #2318).....	13.99	5.64
26 05 33 23-0478	EA	Divided External Elbow (Wiremold #2318DFO).....	15.00	5.64
26 05 33 23-0479	EA	End Reducer, #2300 To #400 (Wiremold #2389).....	15.01	5.64
26 05 33 23-0480	EA	End Reducer, #2300 To #800 (Wiremold #2389A).....	15.56	5.64

**26 05 33 23-0481 One Piece Surface Non-Metallic Raceway Fittings (Wiremold #400, #800 Or #2300)** (26 05 33 23-0443)

26 05 33 23-0482	EA	Blank Cover, 4-1/2" Diameter (Wiremold #2336).....	16.12	4.92
26 05 33 23-0483	EA	Extension Box, 5-1/2" Diameter (Wiremold #2337A).....	25.36	5.64
26 05 33 23-0484	EA	-A Fixture Box, 5-1/2" Diameter (Wiremold #233).....	25.48	5.64
26 05 33 23-0485	EA	Extra Deep Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344).....	23.24	5.64
26 05 33 23-0486	EA	Extra Deep Device Box, 2 Gang, 2-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344-2).....	26.54	5.64
26 05 33 23-0487	EA	Extra Deep Divided Device Box, 1 Gang, 2-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2344D).....	25.10	5.64
26 05 33 23-0488	EA	Deep Divided Device Box, 2 Gang, 2-1/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2344SD-2A).....	27.05	5.64
26 05 33 23-0489	EA	1-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2347).....	24.74	9.16
26 05 33 23-0490	EA	2-Gang Standard Device Box, 1-3/8" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2347-2).....	27.65	9.16
26 05 33 23-0491	EA	1-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348).....	25.59	9.16
26 05 33 23-0492	EA	2-Gang Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 4-7/8" Wide (Wiremold #2348-2).....	29.97	9.16
26 05 33 23-0493	EA	3-Gang Deep Device Box, 1-3/4" Deep x 5" Long x 7" Wide (Wiremold #2348-3).....	35.05	9.16
26 05 33 23-0494	EA	1-Gang Deep Device Box With Magnetic Backing, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348AMP).....	33.43	9.16
26 05 33 23-0495	EA	1-Gang Divided Deep Device Box, 1-3/4" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348D).....	30.66	9.16
26 05 33 23-0496	EA	Shallow Device And Extension Box, 7/8" Deep x 4-3/4" Long x 3" Wide (Wiremold #2348S/51).....	24.31	9.16

**26 05 33 23-0497 3/4" x 3/8" One Piece Surface Non-Metallic Raceways (Wiremold #2700)** (26 05 33 23-0443)

26 05 33 23-0498	LF	3/4" x 3/8" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2700).....	7.14	2.82
		<i>For Concrete Or Masonry Surface, Add</i>	0.28	
26 05 33 23-0499	EA	3/4" Wire Clip (Wiremold #2700WC).....	3.14	1.40
26 05 33 23-0500	EA	Cover Clip (Wiremold #2706).....	4.41	1.40
26 05 33 23-0501	EA	Blank End (Wiremold #2710B).....	7.22	2.82
26 05 33 23-0502	EA	Flat 90 Degree Elbow (Wiremold #2711).....	8.66	3.52
26 05 33 23-0503	EA	Tee (Wiremold #2715).....	14.31	6.34
26 05 33 23-0504	EA	Internal Elbow (Wiremold #2717).....	10.07	4.22
26 05 33 23-0505	EA	External Elbow (Wiremold #2718).....	10.06	4.22
26 05 33 23-0506	EA	Drop Ceiling Connector (Wiremold #2786).....	11.85	4.92

**26 05 33 23-0507 1" x 1/2" One Piece Surface Non-Metallic Raceways (Wiremold #2800)** (26 05 33 23-0443)

26 05 33 23-0508	LF	1" x 1/2" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2800).....	9.11	3.52
		<i>For Concrete Or Masonry Surface, Add</i>	0.35	
26 05 33 23-0509	EA	1" Wire Clip (Wiremold #2800WC).....	4.67	2.12
26 05 33 23-0510	EA	Cover Clip (Wiremold #2806).....	5.90	2.12
26 05 33 23-0511	EA	Blank End (Wiremold #2810B).....	8.72	3.52
26 05 33 23-0512	EA	Flat 90 Degree Elbow (Wiremold #2811).....	11.61	4.92
26 05 33 23-0513	EA	Radiused Flat 90 Degree Elbow (Wiremold #2811FO).....	12.22	4.92
26 05 33 23-0514	EA	Tee (Wiremold #2815).....	17.24	7.74
26 05 33 23-0515	EA	Internal Elbow (Wiremold #2817).....	12.99	5.64
26 05 33 23-0516	EA	External Elbow (Wiremold #2818).....	13.01	5.64
26 05 33 23-0517	EA	Radiused Tee (Wiremold #2815FO).....	18.06	7.74
26 05 33 23-0518	EA	Radiused Internal Elbow (Wiremold #2817FO).....	13.72	5.64
26 05 33 23-0519	EA	Radiused External Elbow (Wiremold #2818FO).....	13.62	5.64
26 05 33 23-0520	EA	Drop Ceiling Connector (Wiremold #2886).....	14.66	6.34
26 05 33 23-0521	EA	Reducer, #2800 To #2700 (Wiremold #2889).....	13.16	5.64

**26 05 33 23-0522 1-1/2" x 3/4" One Piece Surface Non-Metallic Raceways (Wiremold #2900)** (26 05 33 23-0443)

26 05 33 23-0523	LF	1-1/2" x 3/4" One Piece Surface Non-Metallic Raceway Base And Cover (Wiremold #2900).....	11.05	4.22
		<i>For Concrete Or Masonry Surface, Add</i>	0.42	
26 05 33 23-0524	EA	1-1/2" Wire Clip (Wiremold #2900WC).....	6.19	2.82
26 05 33 23-0525	EA	Cover Clip (Wiremold #2906).....	7.45	2.82
26 05 33 23-0526	EA	Blank End (Wiremold #2910B).....	10.26	4.22
26 05 33 23-0527	EA	Flat 90 Degree Elbow (Wiremold #2911).....	13.08	5.64
26 05 33 23-0528	EA	Radiused Flat 90 Degree Elbow (Wiremold #2911FO).....	14.03	5.64
26 05 33 23-0529	EA	Tee (Wiremold #2915).....	18.72	8.45
26 05 33 23-0530	EA	Radiused Tee (Wiremold #2915FO).....	19.70	8.45
26 05 33 23-0531	EA	Internal Elbow (Wiremold #2917).....	14.50	6.34
26 05 33 23-0532	EA	Radiused Internal Elbow (Wiremold #2917FO).....	15.49	6.34
26 05 33 23-0533	EA	External Elbow (Wiremold #2918).....	14.49	6.34

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 05 33 23-0534	EA	Radiused External Elbow (Wiremold #2918FO)		15.77	6.34
26 05 33 23-0535	EA	Drop Ceiling Connector (Wiremold #2986)		14.66	6.34
26 05 33 23-0536	EA	Reducer, #2900 To #2800 (Wiremold #2989)		16.28	7.04
26 05 33 23-0537	EA	Reducer, #2900 To #2700 (Wiremold #2989A)		15.95	7.04

**26 05 33 23-0538 Two Piece Surface Non-Metallic Raceways** (26 05 33 23-0442)

Note: Exposed on flat wall surface. (Wiremold or approved equal).

**26 05 33 23-0539 5" x 1" Two Piece Surface Non-Metallic Raceways (Wiremold #500)** (26 05 33 23-0538)

26 05 33 23-0540	LF	5" x 1" Two Piece Surface Non-Metallic Raceway Base (Wiremold #5000B)		16.94	6.34
		<i>For Concrete Or Masonry Surface, Add</i>		0.63	
26 05 33 23-0541	LF	Black, Gray Or White, Cover (Wiremold #5000C)		16.29	6.34
26 05 33 23-0542	LF	Oak Veneer, Cover (Wiremold #5000COA)		27.37	6.34
26 05 33 23-0543	LF	Maple Wood Veneer, Cover (Wiremold #5000CW)		22.99	6.34
26 05 33 23-0544	LF	Black, Gray Or White, Quarter Round Trim (Wiremold #5000T)		2.19	0.70
26 05 33 23-0545	LF	Oak Veneer, Quarter Round Trim (Wiremold #5000TOA)		7.74	0.70
26 05 33 23-0546	LF	Maple Wood Veneer, Quarter Round Trim (Wiremold #5000TW)		4.96	0.70
26 05 33 23-0547	EA	Base Coupling (Wiremold #5001)		16.33	7.04
26 05 33 23-0548	EA	Blank/Coax Adapter (Wiremold #5004)		8.91	3.52
26 05 33 23-0549	EA	Low Voltage Blank Plate (Wiremold #5005)		11.62	4.22
26 05 33 23-0550	EA	Cover Clip (Wiremold #5006)		17.26	7.04
26 05 33 23-0551	EA	Internal Wire Guard (Wiremold #5006A)		16.41	7.04
26 05 33 23-0552	EA	Device Bracket (Wiremold #5007C)		18.15	7.04
26 05 33 23-0553	EA	Device Plate (Wiremold #5007C-1)		33.66	14.08
26 05 33 23-0554	EA	Deep Device Plate (Wiremold #5007C-2)		34.55	14.08
26 05 33 23-0555	EA	Right Or Left End Cap (Wiremold #5010)		30.06	13.38
26 05 33 23-0556	EA	Entrance End Feed (Wiremold #5010A)		55.65	21.83
26 05 33 23-0557	EA	Internal Base Elbow (Wiremold #5017B)		40.15	17.60
26 05 33 23-0558	EA	Internal Cover Elbow (Wiremold #5017C)		35.15	14.08
26 05 33 23-0559	EA	Internal Elbow Wire Guard (Wiremold #5017WG)		24.62	10.56
26 05 33 23-0560	EA	External Base Elbow (Wiremold #5018B)		40.09	17.60
26 05 33 23-0561	EA	External Cover Elbow (Wiremold #5018C)		35.39	14.08
26 05 33 23-0562	EA	External Elbow Wire Guard (Wiremold #5018WG)		16.18	7.04

**26 05 33 23-0563 5-1/4" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5400)** (26 05 33 23-0538)

26 05 33 23-0564	LF	5-1/4" x 1-11/16", Two Compartment, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5400TB)		18.21	6.34
		<i>For Concrete Or Masonry Surface, Add</i>		0.63	
26 05 33 23-0565	LF	Full Width Cover (Wiremold #5400C)		5.47	0.70
26 05 33 23-0566	LF	Twin Snap Cover (Wiremold #5400TC)		3.66	0.70
26 05 33 23-0567	EA	Twin Snap Cover Wire Clips (Wiremold #5400TWC)		7.63	3.52
26 05 33 23-0568	EA	Cover Clip (Wiremold #5406A)		11.90	4.22
26 05 33 23-0569	EA	Twin Cover Clip (Wiremold #5406T)		10.40	4.22
26 05 33 23-0570	EA	Base Seam Clip (Wiremold #5406TB)		9.56	4.22
26 05 33 23-0571	EA	L Or R (Left Or Right) Transition Fitting (Wiremold #5408)		66.52	21.83
26 05 33 23-0572	EA	End Cap (Wiremold #5410)		34.15	13.38
26 05 33 23-0573	EA	Radiused Divided Entrance Cap Fitting (Wiremold #5410DFO)		64.28	21.83
26 05 33 23-0574	EA	Radiused Flat 90 Degree Elbow (Wiremold #5411FO)		57.39	17.60
26 05 33 23-0575	EA	Tee Fitting (Wiremold #5415)		67.03	21.83
26 05 33 23-0576	EA	Radiused Tee Fitting (Wiremold #5415FO)		69.61	21.83
26 05 33 23-0577	EA	Radiused Internal Elbow (Wiremold #5417FO)		57.60	21.83
26 05 33 23-0578	EA	External Elbow (Wiremold #5418)		58.25	21.83
26 05 33 23-0579	EA	Radiused External Elbow (Wiremold #5418FO)		58.84	21.83
26 05 33 23-0580	EA	5-5/32" x 6" Device Bracket (Wiremold #5450)		25.88	7.04
26 05 33 23-0581	EA	7-19/32" x 7-1/2" Device Bracket (Wiremold #5450A3)		32.90	7.04
26 05 33 23-0582	EA	2-1/2" x 4-7/8" Twin Snap Device Bracket (Wiremold #5450T)		20.69	7.04
26 05 33 23-0583	EA	Transition Fitting (Wiremold #5474)		60.05	21.83

**26 05 33 23-0584 6-11/16" x 1-11/16" Two Piece Surface Non-Metallic Raceways (Wiremold #5500)** (26 05 33 23-0538)

26 05 33 23-0585	LF	6-11/16" x 1-11/16", Three Compartment Divided, Two Piece Surface Non-Metallic Raceway Base (Wiremold #5500BD3)		21.89	6.34
		<i>For Concrete Or Masonry Surface, Add</i>		0.63	
26 05 33 23-0586	LF	Cover (Wiremold #5500C)		7.06	0.70
26 05 33 23-0587	EA	Wire Clips (Wiremold #5500WC)		8.57	3.52
26 05 33 23-0588	EA	Cover Clip (Wiremold #5506)		13.08	4.22
26 05 33 23-0589	EA	Base Seam Clip Fitting (Wiremold #5506B)		9.95	4.22
26 05 33 23-0590	EA	Modular Furniture Adapter (Wiremold #5507AD)		12.35	4.22
26 05 33 23-0591	EA	Blank Faceplate (Wiremold #5507B)		12.39	4.22
26 05 33 23-0592	EA	Duplex Receptacle Faceplate (Wiremold #5507D)		12.45	4.22
26 05 33 23-0593	EA	Dual RJ Connector Faceplate (Wiremold #5507FRJ)		12.45	4.22
26 05 33 23-0594	EA	Rectangular Receptacle Faceplate (Wiremold #5507R)		12.34	4.22
26 05 33 23-0595	EA	Dual RJ Connector Faceplate (Wiremold #5507RJ)		12.37	4.22
26 05 33 23-0596	EA	Rectangular Spacer Fitting (Wiremold #5507S)		12.29	4.22
26 05 33 23-0597	EA	Switch Faceplate (Wiremold #5507SW)		12.31	4.22
26 05 33 23-0598	EA	Twistlock Faceplate (Wiremold #5507T1)		12.39	4.22
26 05 33 23-0599	EA	Single Receptacle Faceplate (Wiremold #5507T2)		12.18	4.22
26 05 33 23-0600	EA	6-5/8" x 6" Device Bracket (Wiremold #5550)		30.18	7.04
26 05 33 23-0601	EA	9-5/8" x 7-1/2" Device Bracket (Wiremold #5550A4)		39.24	7.04
26 05 33 23-0602	EA	End Cap (Wiremold #5510)		36.43	13.38
26 05 33 23-0603	EA	Entrance End Fitting (Wiremold #5510D)		71.54	21.83
26 05 33 23-0604	EA	Radiused Flat 90 Degree Elbow (Wiremold #5511FO)		64.08	17.60

**26 Electrical****26 05 Common Work Results for Electrical****26 05 33 Raceway and Boxes for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 33 23-0605	EA		Backfeed Connector (Wiremold #5514A).....	53.38	17.60
26 05 33 23-0606	EA		Tee Fitting (Wiremold #5515) .....	74.63	21.83
26 05 33 23-0607	EA		Radiused Internal Elbow (Wiremold #5517FO).....	62.25	21.83
26 05 33 23-0608	EA		External Elbow (Wiremold #5518) .....	63.48	21.83
26 05 33 23-0609	EA		Radiused External Elbow (Wiremold #5518FO) .....	66.10	21.83
26 05 33 23-0610	EA		Transition Fitting (Wiremold #5574).....	61.00	21.83
26 05 33 23-0611	EA		Transition Fitting (Wiremold #5574A) .....	77.94	21.83
<b>26 05 39 Underfloor Raceways for Electrical Systems (26 05)</b>					
26 05 39 00-0001			Underfloor Ducts (26 05 39)		
26 05 39 00-0002			Straight Duct Sections 10' Long, 14 Gauge Steel (26 05 39 00-0001)		
26 05 39 00-0003			Standard Ducts, 3.8 Square Inches (26 05 39 00-0002)		
26 05 39 00-0004	EA		Standard Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 3.8 Square Inches.....	120.54	27.13
26 05 39 00-0005	EA		Standard Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 3.8 Square Inches .....	150.89	31.75
26 05 39 00-0006			Large Capacity Ducts, 8.9 Square Inches (26 05 39 00-0002)		
26 05 39 00-0007	EA		Large Capacity Underfloor Straight Duct Blank Without Inserts, 10' Long, 14 Gauge, 8.9 Square Inches .....	196.92	34.37
26 05 39 00-0008	EA		Large Capacity Underfloor Straight Duct With 7/8" Inserts On 24" Centers, 10' Long, 14 Gauge, 8.9 Square Inches .....	225.04	38.07
26 05 39 00-0009			Junction Boxes (26 05 39 00-0001)		
26 05 39 00-0010			One Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0011	EA		1 Level UF Duct Junction Box, 1 Standard Duct Without Partitions In Box.....	300.74	53.95
26 05 39 00-0012	EA		1 Level UF Duct Junction Box, 1 Large Duct Without Partitions In Box .....	339.25	57.80
26 05 39 00-0013	EA		1 Level UF Duct Junction Box, 1 Standard And Large Duct Per Side With Partitions In Box.....	531.61	53.95
			Note: Isolate each duct and form a continuous raceway through the box in both directions.		
26 05 39 00-0014	EA		1 Level UF Duct Junction Box, 2 Standard Ducts Per Side With Partitions In Box .....	369.37	57.80
26 05 39 00-0015	EA		1 Level UF Duct Junction Box, 3 Standard Ducts Per Side With Partitions In Box .....	580.58	76.00
26 05 39 00-0016	EA		1 Level UF Duct Junction Box, 2 Large Ducts Per Side With Partitions In Box Duct .....	805.88	82.63
26 05 39 00-0017			Two Level Junction Boxes (26 05 39 00-0009)		
26 05 39 00-0018	EA		2 Level UF Duct Junction Box, 2 Standard Duct Cross, Intersects At Right Angles, Raceway Bottom Level.....	1,202.01	54.56
			Note: Accepts two standard ducts to form a continuous raceway at right angles to the top level raceway.		
26 05 39 00-0019	EA		2 Level UF Duct Junction Box, 2 Large Duct Bottom Level: Accepts Two Large Capacity Ducts.....	1,381.21	57.80
26 05 39 00-0020			Elbow Fittings (26 05 39 00-0001)		
26 05 39 00-0021			90 Degree Horizontal Elbow (26 05 39 00-0020)		
26 05 39 00-0022	EA		Underfloor Standard Duct Horizontal Elbow Fitting, 90 Degree .....	144.53	19.88
26 05 39 00-0023	EA		Underfloor Large Duct Horizontal Elbow Fitting, 90 Degree .....	148.67	19.88
26 05 39 00-0024			90 Degree Vertical Elbow (26 05 39 00-0020)		
26 05 39 00-0025	EA		Underfloor Standard Duct Vertical Elbow Fitting, 90 Degree .....	84.30	19.88
26 05 39 00-0026	EA		Underfloor Large Duct Vertical Elbow Fitting, 90 Degree.....	85.96	19.88
26 05 39 00-0027			Offset Elbow (26 05 39 00-0020)		
			Note: Two elbows required for crossover or crossunder.		
26 05 39 00-0028	EA		Underfloor Standard Duct Offset Elbow 45 Degree, 2 Required For Over-Under .....	84.30	23.12
26 05 39 00-0029	EA		Underfloor Large Duct Offset Elbow 45 Degree, 2 Required For Over-Under .....	85.96	23.12
26 05 39 00-0030			Couplings (26 05 39 00-0001)		
26 05 39 00-0031			Sleeve Couplings (26 05 39 00-0030)		
26 05 39 00-0032	EA		Underfloor Standard Duct Sleeve Coupling .....	57.61	30.83
26 05 39 00-0033	EA		Underfloor Large Duct Sleeve Coupling.....	90.73	30.83
26 05 39 00-0034			Expansion Couplings (26 05 39 00-0030)		
26 05 39 00-0035	EA		Underfloor Standard Duct Expansion Coupling .....	122.36	30.83
26 05 39 00-0036	EA		Underfloor Large Duct Expansion Coupling.....	124.43	32.52
26 05 39 00-0037			Reducing Couplings (26 05 39 00-0030)		
26 05 39 00-0038	EA		Reducing Coupling, Large To Standard Duct Underfloor Duct Coupling .....	107.60	4.62
26 05 39 00-0039			Duct Supports (26 05 39 00-0001)		
26 05 39 00-0040			Combination Support And Coupling (26 05 39 00-0039)		
			Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0041	EA		1 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	132.76	64.74
26 05 39 00-0042	EA		2 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	148.53	64.74
26 05 39 00-0043	EA		3 Standard Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	164.41	64.74

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 39 00-0044	EA		1 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	148.53	72.45
26 05 39 00-0045	EA		2 Large Duct Support And Coupling With Legs With Leveling Legs And Anchor Feet .....	180.65	72.45
26 05 39 00-0046	EA		1 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	164.41	77.07
26 05 39 00-0047	EA		2 Standard And 1 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	164.41	77.07
26 05 39 00-0048	EA		1 Standard And 2 Large Duct Support And Coupling With Leveling Legs And Anchor Feet .....	180.65	77.07
<b>26 05 39 00-0049</b>			<b>Duct Support Only</b> (26 05 39 00-0039) Note: Includes leveling legs and anchoring feet.		
26 05 39 00-0050	EA		1 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	118.76	57.03
26 05 39 00-0051	EA		2 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	139.55	57.03
26 05 39 00-0052	EA		3 Underfloor Duct Support Only With Leveling Legs And Anchor Feet .....	161.63	57.03
<b>26 05 39 00-0053</b>			<b>Underfloor Duct Accessories</b> (26 05 39 00-0001)		
<b>26 05 39 00-0054</b>			<b>Plugs For Unused Junction Box Openings And Duct Ends</b> (26 05 39 00-0053)		
26 05 39 00-0055	EA		Standard Plugs For Unused Junction Box Opening And Underfloor Duct Ends .....	30.31	4.62
26 05 39 00-0056	EA		Large Plugs For Unused Junction Box Opening And Underfloor Duct Ends .....	31.12	4.62
<b>26 05 39 00-0057</b>			<b>Conduit Adapters</b> (26 05 39 00-0053)		
26 05 39 00-0058	EA		One 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	42.95	7.71
26 05 39 00-0059	EA		Two 1-1/4" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	45.79	7.71
26 05 39 00-0060	EA		One 2" Conduit To Standard Duct Underfloor Conduit To Duct, Adapter .....	44.55	7.71
26 05 39 00-0061	EA		Three 1-1/4" Conduit To Large Duct Underfloor Conduit To Duct, Adapter .....	46.16	7.71
<b>26 05 39 00-0062</b>			<b>Holders And Caps</b> (26 05 39 00-0053)		
26 05 39 00-0063	EA		Tile Holder, Underfloor Duct Accessories .....	286.23	64.74
26 05 39 00-0064	EA		Terrazzo Holder, Underfloor Duct Accessories .....	524.82	64.74
26 05 39 00-0065	EA		Closing Caps For Inserts, Underfloor Duct Accessories .....	3.82	1.54
<b>26 05 39 00-0066</b>			<b>Underfloor Dust Pans</b> (26 05 39 00-0001)		
26 05 39 00-0067	EA		Underfloor Dust Carpet Pan .....	116.97	8.45

**26 05 43 Underground Ducts and Raceways for Electrical Systems** (26 05)

See CSI section 33 71 19 23-0000 for underground trenched ductbank.

**26 05 46 Utility Poles for Electrical Systems** (26 05)

<b>26 05 46 00-0001</b>			<b>Wood Poles</b> (26 05 46)		
<b>26 05 46 00-0002</b>			<b>Wood Pole, Class 3, Penta-Treated To 8 LB Retention</b> (26 05 46 00-0001) Note: Machine dig and set.		
26 05 46 00-0003	EA		25' Treated Wood Pole, Class 3, Machine Dig And Set .....	1,119.24	383.65
			For Class 1 Pole, Add	123.13	
			For Class 2 Pole, Add	70.36	
			For Class 4 Pole, Deduct	-35.18	
			For Class 5 Pole, Deduct	-105.54	
			For Class 6 Pole, Deduct	-140.72	
26 05 46 00-0004	EA		30' Treated Wood Pole, Class 3, Machine Dig And Set .....	1,329.03	425.65
			For Class 1 Pole, Add	167.18	
			For Class 2 Pole, Add	95.53	
			For Class 4 Pole, Deduct	-47.77	
			For Class 5 Pole, Deduct	-143.30	
			For Class 6 Pole, Deduct	-191.06	
26 05 46 00-0005	EA		35' Treated Wood Pole, Class 3, Machine Dig And Set .....	1,726.42	562.96
			For Class 1 Pole, Add	210.23	
			For Class 2 Pole, Add	120.13	
			For Class 4 Pole, Deduct	-60.07	
			For Class 5 Pole, Deduct	-180.20	
			For Class 6 Pole, Deduct	-240.26	
26 05 46 00-0006	EA		40' Treated Wood Pole, Class 3, Machine Dig And Set .....	1,967.71	619.20
			For Class 1 Pole, Add	255.28	
			For Class 2 Pole, Add	145.87	
			For Class 4 Pole, Deduct	-72.94	
			For Class 5 Pole, Deduct	-218.81	
			For Class 6 Pole, Deduct	-291.74	
26 05 46 00-0007	EA		45' Treated Wood Pole, Class 3, Machine Dig And Set .....	2,243.22	689.65
			For Class 1 Pole, Add	302.33	
			For Class 2 Pole, Add	172.76	
			For Class 4 Pole, Deduct	-86.38	
			For Class 5 Pole, Deduct	-259.14	
			For Class 6 Pole, Deduct	-345.52	
26 05 46 00-0008	EA		50' Treated Wood Pole, Class 3, Machine Dig And Set .....	2,549.03	774.00
			For Class 1 Pole, Add	350.38	
			For Class 2 Pole, Add	200.22	
			For Class 4 Pole, Deduct	-100.11	
			For Class 5 Pole, Deduct	-300.32	
			For Class 6 Pole, Deduct	-400.43	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0009	EA		55' Treated Wood Pole, Class 3, Machine Dig And Set.....	2,846.83	851.32
			For Class 1 Pole, Add	400.43	
			For Class 2 Pole, Add	228.82	
			For Class 4 Pole, Deduct	-114.41	
			For Class 5 Pole, Deduct	-343.23	
			For Class 6 Pole, Deduct	-457.64	
26 05 46 00-0010	EA		60' Treated Wood Pole, Class 3, Machine Dig And Set.....	3,176.69	936.15
			For Class 1 Pole, Add	456.49	
			For Class 2 Pole, Add	260.85	
			For Class 4 Pole, Deduct	-130.43	
			For Class 5 Pole, Deduct	-391.28	
			For Class 6 Pole, Deduct	-521.70	
26 05 46 00-0011	EA		65' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,045.97	1,020.34
			For Class 1 Pole, Add	1,051.83	
			For Class 2 Pole, Add	601.05	
			For Class 4 Pole, Deduct	-300.52	
			For Class 5 Pole, Deduct	-901.57	
			For Class 6 Pole, Deduct	-1,202.10	
26 05 46 00-0012	EA		70' Treated Wood Pole, Class 3, Machine Dig And Set.....	5,530.57	1,085.40
			For Class 1 Pole, Add	1,175.91	
			For Class 2 Pole, Add	671.95	
			For Class 4 Pole, Deduct	-335.98	
			For Class 5 Pole, Deduct	-1,007.93	
			For Class 6 Pole, Deduct	-1,343.90	
26 05 46 00-0013	EA		75' Treated Wood Pole, Class 3, Machine Dig And Set.....	6,069.13	1,159.27
			For Class 1 Pole, Add	1,312.68	
			For Class 2 Pole, Add	750.10	
			For Class 4 Pole, Deduct	-375.05	
			For Class 5 Pole, Deduct	-1,125.15	
			For Class 6 Pole, Deduct	-1,500.20	
26 05 46 00-0014			<b>Removal And Relocation Of Wood Poles With Cross Arm</b> (26 05 46 00-0001)		
26 05 46 00-0015	LF		Removal And Relocation Of Up To 75' Wood Pole With Cross Arms.....	32.69	
26 05 46 00-0016			<b>Crossarms</b> (26 05 46) Note: Includes hardware and braces.		
26 05 46 00-0017			<b>Wood Single Arm Crossarms</b> (26 05 46 00-0016)		
26 05 46 00-0018	EA		3-1/2" x 4-1/2" x 5'-7", Single Arm Wood Crossarm, With Hardware And Braces.....	272.27	114.42
26 05 46 00-0019	EA		3-1/2" x 4-1/2" x 8'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	329.93	114.42
26 05 46 00-0020	EA		3-3/4" x 4-3/4" x 10'-0", Single Arm Wood Crossarm, With Hardware And Braces.....	346.81	147.12
26 05 46 00-0021			<b>Wood Double Arm Crossarms</b> (26 05 46 00-0016)		
26 05 46 00-0022	EA		3-1/2" x 4-1/2" x 5'-7", Double Arm Wood Crossarm, With Hardware And Braces.....	703.98	318.75
26 05 46 00-0023	EA		3-1/2" x 4-1/2" x 8'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	748.83	318.75
26 05 46 00-0024	EA		3-3/4" x 4-3/4" x 10'-0", Double Arm Wood Crossarm, With Hardware And Braces.....	780.33	318.75
26 05 46 00-0025			<b>Fiberglass Crossarms</b> (26 05 46 00-0016) Note: Includes hardware.		
26 05 46 00-0026			<b>Single Phase, 15 Degree Angle</b> (26 05 46 00-0025)		
26 05 46 00-0027	EA		Fiberglass Cutout And Arrestor Bracket, 18", Minimum Ultimate Load 800 LB.....	293.40	
26 05 46 00-0028	EA		Fiberglass Insulator Bracket, 14", 11/16" Diameter Hole, Minimum Ultimate Load 1,200 LB.....	373.95	68.65
26 05 46 00-0029	EA		Fiberglass Insulator Bracket, 14", 1" Lead Threaded, Minimum Ultimate Load 1,200 LB.....	390.30	73.55
26 05 46 00-0030			<b>Two Phase, 15 Degree Angle</b> (26 05 46 00-0025)		
26 05 46 00-0031	EA		Fiberglass Insulator Bracket, 36", Minimum Ultimate Load 1,200 LB.....	467.48	88.27
26 05 46 00-0032			<b>Fiberglass Crossarm Accessories</b> (26 05 46 00-0025)		
26 05 46 00-0033	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 7,000 LB Per Conductor.....	742.72	112.78
26 05 46 00-0034	EA		Fiberglass Deadend Crossarm, 36", Minimum Ultimate Load 12,000 LB Per Conductor.....	881.85	137.31
26 05 46 00-0035	EA		Pole Top Pin, Hot Dip Galvanized, 18", 1" Lead Threaded.....	129.17	19.62
26 05 46 00-0036	EA		Three Phase Equipment Mounting Bracket.....	645.84	98.08
26 05 46 00-0037	EA		Fiberglass Bull Horn Crossarm.....	518.27	163.46
26 05 46 00-0038			<b>Insulator Support System</b> (26 05 46 00-0016)		
26 05 46 00-0039			<b>Epoxy Construction Units, In Place Mounting</b> (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0040	EA		1-1/2" Diameter x 19" Long Pole Side Pins Vertical (1 Arm Installed), In Place Mounting.....	155.76	
26 05 46 00-0041	EA		1-1/2" Diameter x 15" Long Pole Top Pins, In Place Mounting.....	125.31	
26 05 46 00-0042	EA		Deadend Arms, In Place Mounting.....	346.32	
26 05 46 00-0043	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical (2 Arms Installed), In Place Mounting.....	245.46	
26 05 46 00-0044			<b>Epoxy Construction Units, Grounding Mounting</b> (26 05 46 00-0038) Note: Includes hardware.		
26 05 46 00-0045	EA		1-1/2" Diameter x 18" Long Pole Side Pins Vertical, Grounding Mounting.....	108.45	
26 05 46 00-0046	EA		1-1/2" Diameter x 15" Long Pole Top Pins, Grounding Mounting.....	93.78	
26 05 46 00-0047	EA		Deadend Arms, Grounding Mounting.....	314.79	



MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0048		<b>Guying</b> (26 05 46) Note: Includes cable, anchor and rod assembly, guy marker.		
26 05 46 00-0049		<b>Down Guy</b> (26 05 46 00-0048)		
26 05 46 00-0050	EA	Down Guy For 25' To 40' Pole.....	1,149.61	457.70
26 05 46 00-0051	EA	Down Guy For 45' To 60' Pole.....	1,171.74	457.70
26 05 46 00-0052	EA	Down Guy For 65' To 75' Pole.....	1,217.25	457.70
26 05 46 00-0053	EA	Guy Guard, Plastic.....	49.69	
26 05 46 00-0054		<b>Head Guy, 50' Spans</b> (26 05 46 00-0048)		
26 05 46 00-0055	EA	Head Guy (50' Span), For 25' To 40' Pole.....	1,648.12	702.89
26 05 46 00-0056	EA	Head Guy (50' Span), For 45' To 60' Pole.....	1,648.12	702.89
26 05 46 00-0057	EA	Head Guy (50' Span), For 65' To 75' Pole.....	1,648.12	702.89
26 05 46 00-0058		<b>Guy Strain Insulators Additional Insulators</b> (26 05 46 00-0048) Note: As required at same material cost and labor.		
26 05 46 00-0059	EA	Guy Strain Insulator.....	695.03	343.27
26 05 46 00-0060		<b>Insulators</b> (26 05 46)		
26 05 46 00-0061		<b>Pin Insulator With Pin</b> (26 05 46 00-0060)		
26 05 46 00-0062	EA	5 KV Class 55-3, Pin Insulator With Pin.....	219.52	98.08
26 05 46 00-0063	EA	15 KV Class 55-5, Pin Insulator With Pin.....	225.93	98.08
26 05 46 00-0064		<b>Suspension Insulator</b> (26 05 46 00-0060) Note: Includes clevis and strain clamp.		
26 05 46 00-0065	EA	5 KV Class 52-2, Suspension Insulator, With Clevis And Strain Clamp.....	278.86	130.77
26 05 46 00-0066	EA	15 KV Class 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	296.27	130.77
26 05 46 00-0067	EA	25 KV Class 2 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	415.85	163.46
26 05 46 00-0068	EA	50 KV Class 4 x 52-4, Suspension Insulator, With Clevis And Strain Clamp.....	659.04	261.54
26 05 46 00-0069		<b>Spool Insulator With Clevis</b> (26 05 46 00-0060)		
26 05 46 00-0070	EA	5 KV Class 53-5, Spool Insulator With Clevis.....	92.85	40.86
26 05 46 00-0071	EA	15 KV Class, Spool Insulator With Clevis.....	297.74	147.12
26 05 46 00-0072	EA	25 KV Class, Spool Insulator With Clevis.....	386.12	147.12
26 05 46 00-0073		<b>Secondary Rack</b> (26 05 46 00-0060)		
26 05 46 00-0074	EA	1 Spool Secondary Rack.....	184.44	81.73
26 05 46 00-0075	EA	2 Spool Secondary Rack.....	190.07	104.29
26 05 46 00-0076	EA	3 Spool Secondary Rack.....	284.59	138.94
26 05 46 00-0077	EA	4 Spool Secondary Rack.....	319.81	138.94
26 05 46 00-0078		<b>Outdoor Load Break Switches</b> (26 05 46) Note: 3-Phase, group operated, 3-insulator, vertical break, high strength pin insulators worm gear operating mechanism operating rods, mechanisms, and switch bases are galvanized steel.		
26 05 46 00-0079		<b>7.2 KV Outdoor Load Break Switches</b> (26 05 46 00-0078)		
26 05 46 00-0080	EA	600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	5,053.74	555.78
26 05 46 00-0081	EA	1,200 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	9,787.29	555.78
26 05 46 00-0082	EA	1,600 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,566.55	939.91
26 05 46 00-0083	EA	2,000 Amperes, 7.2 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,904.54	939.91
26 05 46 00-0084		<b>14.4 KV Outdoor Load Break Switches</b> (26 05 46 00-0078)		
26 05 46 00-0085	EA	600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,142.71	555.78
26 05 46 00-0086	EA	1,200 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	11,534.96	555.78
26 05 46 00-0087	EA	1,600 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,566.55	939.91
26 05 46 00-0088	EA	2,000 Amperes, 14.4 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	14,904.54	939.91
26 05 46 00-0089		<b>23 KV Outdoor Load Break Switches</b> (26 05 46 00-0078)		
26 05 46 00-0090	EA	600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	6,782.88	645.68
26 05 46 00-0091	EA	1,200 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	12,629.76	645.68
26 05 46 00-0092	EA	1,600 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	15,258.37	1,111.55
26 05 46 00-0093	EA	2,000 Amperes, 23 KV, Outdoor Load Break Switch, 3 Phase Vertical Break, 3 Insulator.....	15,607.44	1,111.55
26 05 46 00-0094		<b>Square Distribution Poles</b> (26 05 46)		
26 05 46 00-0095		<b>Square Steel Tapered Shaft Distribution Poles</b> (26 05 46 00-0094)		
26 05 46 00-0096	EA	20', Steel Taped Shaft Distribution Pole.....	4,500.60	694.71
26 05 46 00-0097	EA	25', Steel Taped Shaft Distribution Pole.....	5,031.85	735.59
26 05 46 00-0098	EA	30', Steel Taped Shaft Distribution Pole.....	5,456.20	817.32
26 05 46 00-0099	EA	35', Steel Taped Shaft Distribution Pole.....	6,038.65	899.05
26 05 46 00-0100	EA	40', Steel Taped Shaft Distribution Pole.....	8,230.27	980.78

**26 Electrical****26 05 Common Work Results for Electrical****26 05 46 Utility Poles for Electrical Systems**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

26 05 46 00-0101 Square Prestressed Concrete Distribution Poles <small>(26 05 46 00-0094)</small>		
26 05 46 00-0102	EA 30', Prestressed Concrete Square Pole For Distribution.....	5,554.79 1,275.42
26 05 46 00-0103	EA 35', Prestressed Concrete Square Pole For Distribution.....	6,237.43 1,398.84
26 05 46 00-0104	EA 40', Prestressed Concrete Square Pole For Distribution.....	7,290.47 1,563.41
26 05 46 00-0105	EA 45', Prestressed Concrete Square Pole For Distribution.....	8,206.86 1,727.98
26 05 46 00-0106	EA 50', Prestressed Concrete Square Pole For Distribution.....	6,431.29 2,098.27
26 05 46 00-0107	EA 55', Prestressed Concrete Square Pole For Distribution.....	11,566.25 2,468.55
26 05 46 00-0108	EA 60', Prestressed Concrete Square Pole For Distribution.....	13,610.39 2,797.69
26 05 46 00-0109	EA 65', Prestressed Concrete Square Pole For Distribution.....	16,451.88 3,455.97
26 05 46 00-0110	EA 70', Prestressed Concrete Square Pole For Distribution.....	18,406.39 3,785.11

**26 05 46 00-0111 Aluminum Tapered Poles (26 05 46)**

26 05 46 00-0112 Aluminum Tapered Round Seamless Shaft Poles <small>(26 05 46 00-0111)</small>		
26 05 46 00-0113	EA 20', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	4,104.59 612.98
26 05 46 00-0114	EA 25', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	5,738.86 653.85
26 05 46 00-0115	EA 30', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	6,600.65 735.59
26 05 46 00-0116	EA 35', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	7,832.50 817.32
26 05 46 00-0117	EA 40', Aluminum Tapered Round Seamless Shaft Pole For Distribution.....	11,871.96 899.05

**26 05 46 00-0118 Steel Service Poles Distribution (26 05 46)**

Note: Direct embedded, bearing plate on base end, pole cap on top end, grounding nut, galvanized finish.

26 05 46 00-0119 Round Tapered Pole <small>(26 05 46 00-0118)</small>		
26 05 46 00-0120	EA 40', Galvanized Steel Tapered Round Pole For Distribution.....	5,733.48 980.78
26 05 46 00-0121	EA 45', Galvanized Steel Tapered Round Pole For Distribution.....	6,658.06 1,062.51
26 05 46 00-0122	EA 50', Galvanized Steel Tapered Round Pole For Distribution.....	7,094.56 1,144.24
26 05 46 00-0123	EA 55', Galvanized Steel Tapered Round Pole For Distribution.....	8,352.68 1,307.70
26 05 46 00-0124	EA 60', Galvanized Steel Tapered Round Pole For Distribution.....	10,321.78 1,471.16
26 05 46 00-0125	EA 65', Galvanized Steel Tapered Round Pole For Distribution.....	12,331.20 1,933.70
26 05 46 00-0126	EA 70', Galvanized Steel Tapered Round Pole For Distribution.....	13,732.11 2,193.72
26 05 46 00-0127	EA 75', Galvanized Steel Tapered Round Pole For Distribution.....	15,181.65 2,468.55
26 05 46 00-0128	EA 80', Galvanized Steel Tapered Round Pole For Distribution.....	17,041.85 2,797.69
26 05 46 00-0129	EA 85', Galvanized Steel Tapered Round Pole For Distribution.....	18,209.06 2,962.26
26 05 46 00-0130	EA 90', Galvanized Steel Tapered Round Pole For Distribution.....	19,769.18 3,291.39
26 05 46 00-0131	EA 95', Galvanized Steel Tapered Round Pole For Distribution.....	21,754.19 3,702.82
26 05 46 00-0132	EA 100', Galvanized Steel Tapered Round Pole For Distribution.....	24,027.59 4,196.53

**26 05 46 00-0133 12 Sided Tapered (26 05 46 00-0118)**

26 05 46 00-0134	EA 40', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	9,776.76 980.78
26 05 46 00-0135	EA 45', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	10,788.94 1,062.51
26 05 46 00-0136	EA 50', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	11,946.71 1,144.24
26 05 46 00-0137	EA 55', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	13,128.24 1,307.70
26 05 46 00-0138	EA 60', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	17,435.98 1,471.16
26 05 46 00-0139	EA 65', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	19,489.16 1,933.70
26 05 46 00-0140	EA 70', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	22,572.95 2,193.72
26 05 46 00-0141	EA 75', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	24,301.16 2,468.55
26 05 46 00-0142	EA 80', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	26,149.90 2,797.69
26 05 46 00-0143	EA 85', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	27,705.66 2,962.26
26 05 46 00-0144	EA 90', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	31,445.87 3,291.39
26 05 46 00-0145	EA 95', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	33,398.16 3,702.82
26 05 46 00-0146	EA 100', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	35,748.00 4,196.53
26 05 46 00-0147	EA 105', Galvanized Steel Tapered 12 Sided Pole For Distribution.....	38,258.60 4,690.24

**26 05 46 00-0148 Standard Options For Round, 12 Sided and Octagonal Tapered Poles (26 05 46 00-0118)**

26 05 46 00-0149	EA Ladder Clips.....	23.16
26 05 46 00-0150	EA Coal Tar Epoxy Coating From Base To 1' Above Ground Line.....	173.76
26 05 46 00-0151	EA Ground Sleeve-2' At Ground Line.....	174.77

**26 05 46 00-0152 Arms With Baseplates And Endplates (26 05 46 00-0118)**

26 05 46 00-0153	EA 4' Arm With Baseplate And Endplate.....	970.54 163.46
26 05 46 00-0154	EA 5' Arm With Baseplate And Endplate.....	1,057.81 163.46
26 05 46 00-0155	EA 6' Arm With Baseplate And Endplate.....	1,309.83 245.20
26 05 46 00-0156	EA 7' Arm With Baseplate And Endplate.....	1,386.16 245.20
26 05 46 00-0157	EA 8' Arm With Baseplate And Endplate.....	1,635.66 326.93
26 05 46 00-0158	EA 9' Arm With Baseplate And Endplate.....	1,722.88 326.93
26 05 46 00-0159	EA 10' Arm With Baseplate And Endplate.....	2,290.03 408.66
26 05 46 00-0160	EA 11' Arm With Baseplate And Endplate.....	2,387.94 408.66

**26 05 46 00-0161 Standard Vangs Load Bearing At Any Angle (26 05 46 00-0118)**

26 05 46 00-0162	EA 15,000 LB Standard Vangs Load Bearing At Any Angle.....	398.90 163.46
26 05 46 00-0163	EA 30,000 LB Standard Vangs Load Bearing At Any Angle.....	452.37 163.46
26 05 46 00-0164	EA 45,000 LB Standard Vangs Load Bearing At Any Angle.....	525.48 163.46

**26 05 46 00-0165 Armless Construction Brackets (26 05 46 00-0118)**
**26 05 46 00-0166 Verticals Insulator And Equipment Bracket (26 05 46 00-0165)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 46 00-0167	EA		7" 1 Position Vertical Insulation And Equipment Bracket.....	407.62	163.46
26 05 46 00-0168	EA		12" 1 Position Vertical Insulation And Equipment Bracket.....	441.38	163.46
26 05 46 00-0169	EA		12" 3 Position Vertical Insulation And Equipment Bracket.....	496.22	163.46
26 05 46 00-0170	EA		18" 1 Position Vertical Insulation And Equipment Bracket.....	695.42	245.20
26 05 46 00-0171	EA		18" 3 Position Vertical Insulation And Equipment Bracket.....	727.44	245.20
<b>26 05 46 00-0172</b>			<b>Horizontal And Multiple Insulator Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0173	EA		Sidepole 1 7/8" Clearance Horizontal And Multiple Insulation Brackets.....	381.33	163.46
26 05 46 00-0174	EA		Sidepole 2" Clearance Horizontal And Multiple Insulation Brackets.....	452.27	163.46
26 05 46 00-0175	EA		Sidepole 9" Clearance Horizontal And Multiple Insulation Brackets.....	661.06	245.20
26 05 46 00-0176	EA		Sidepole 10" Clearance Horizontal And Multiple Insulation Brackets.....	828.48	245.20
26 05 46 00-0177	EA		Sidepole 15" Clearance Horizontal And Multiple Insulation Brackets.....	1,061.84	326.93
26 05 46 00-0178	EA		Sidepole 20" Clearance Horizontal And Multiple Insulation Brackets.....	1,150.69	326.93
<b>26 05 46 00-0179</b>			<b>Pole Top Bracket And Pins (26 05 46 00-0165)</b>		
26 05 46 00-0180	EA		Pole Top Pin - 5".....	391.63	163.46
26 05 46 00-0181	EA		Pole Top Bracket - 5".....	408.85	163.46
<b>26 05 46 00-0182</b>			<b>Angle Pins (26 05 46 00-0165)</b>		
26 05 46 00-0183	EA		Angle Pin - 25 Degree, 6".....	389.30	163.46
26 05 46 00-0184	EA		Angle Pin - 25 Degree, 7 1/4".....	445.24	163.46
<b>26 05 46 00-0185</b>			<b>Static And Neutral Wire Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0186	EA		Neutral Wire Extension Bracket.....	401.27	163.46
26 05 46 00-0187	EA		Static Wire Support Bracket.....	406.59	163.46
<b>26 05 46 00-0188</b>			<b>Cutout, Arrestor And Terminator Brackets (26 05 46 00-0165)</b>		
26 05 46 00-0189	EA		Cutout And Arrestor, With Mounting Bracket.....	361.40	163.46
26 05 46 00-0190	EA		Equipment Mounting T Bracket.....	383.96	163.46
26 05 46 00-0191	EA		15 KV Cutout.....	487.21	
26 05 46 00-0192	EA		9/10 KV Arrestor.....	455.48	163.46
<b>26 05 46 00-0193</b>			<b>Spacer Cable, Conduit Support And Cluster Bracket (26 05 46 00-0165)</b>		
26 05 46 00-0194	EA		Parallel Cable Spacer.....	439.52	163.46
26 05 46 00-0195	EA		Conduit Standoff Support Bracket.....	422.51	163.46
26 05 46 00-0196	EA		Three Transformer Pole Mounted Cluster Bracket.....	1,012.36	163.46
<b>26 05 46 00-0197</b>			<b>15 KV, 200 Amperes, Solenoid Operated High Voltage Switch (26 05 46 00-0165)</b>		
			Note: Includes pole mounting bracket.		
26 05 46 00-0198	EA		15 KV, 1 Phase, Solenoid Switch With Pole Bracket.....	2,215.50	408.66
<b>26 05 46 00-0199</b>			<b>Octagonal Tapered (26 05 46 00-0118)</b>		
26 05 46 00-0200	EA		40', Galvanized Steel Tapered Octagonal Pole For Distribution.....	10,077.28	980.78
26 05 46 00-0201	EA		45', Galvanized Steel Tapered Octagonal Pole For Distribution.....	11,122.25	1,062.51
26 05 46 00-0202	EA		50', Galvanized Steel Tapered Octagonal Pole For Distribution.....	12,318.27	1,144.24
26 05 46 00-0203	EA		55', Galvanized Steel Tapered Octagonal Pole For Distribution.....	13,532.58	1,389.43
26 05 46 00-0204	EA		60', Galvanized Steel Tapered Octagonal Pole For Distribution.....	17,993.32	1,471.16
26 05 46 00-0205	EA		65', Galvanized Steel Tapered Octagonal Pole For Distribution.....	20,090.21	1,933.70
26 05 46 00-0206	EA		70', Galvanized Steel Tapered Octagonal Pole For Distribution.....	23,272.35	2,057.13
26 05 46 00-0207	EA		75', Galvanized Steel Tapered Octagonal Pole For Distribution.....	25,047.00	2,468.55
26 05 46 00-0208	EA		80', Galvanized Steel Tapered Octagonal Pole For Distribution.....	26,939.44	2,633.12
26 05 46 00-0209	EA		85', Galvanized Steel Tapered Octagonal Pole For Distribution.....	28,541.67	2,962.26
26 05 46 00-0210	EA		90', Galvanized Steel Tapered Octagonal Pole For Distribution.....	32,399.35	3,126.83
26 05 46 00-0211	EA		95', Galvanized Steel Tapered Octagonal Pole For Distribution.....	34,400.82	3,702.82
26 05 46 00-0212	EA		100', Galvanized Steel Tapered Octagonal Pole For Distribution.....	36,799.84	3,949.68
26 05 46 00-0213	EA		105', Galvanized Steel Tapered Octagonal Pole For Distribution.....	39,365.08	4,443.39
<b>26 05 46 00-0214</b>			<b>Removal And Relocation Of Steel Service Poles (26 05 46 00-0118)</b>		
26 05 46 00-0215	LF		Removal And Relocation Of Steel Service Poles With Arms Up To 60'.....	57.21	
<b>26 05 46 00-0216</b>			<b>Special Steel Bases For Poles (26 05 46 00-0118)</b>		
26 05 46 00-0217	EA		Spin-In Steel Base For Poles.....	340.67	
26 05 46 00-0218	EA		Series 3, 25' Pole And less.....	378.06	81.73
26 05 46 00-0219	EA		Series 4, 40' Pole And less.....	450.27	93.99
26 05 46 00-0220	EA		Series 5, 50' Pole And less.....	514.29	102.17
<b>26 05 53 Identification for Electrical Systems (26 05)</b>					
<b>26 05 53 00-0001</b>			<b>Conduit Markers Pressure-Sensitive (26 05 53)</b>		
			Note: Stick-on, includes arrow tape.		
26 05 53 00-0002	EA		1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	16.34	
26 05 53 00-0003	EA		3/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	17.11	

**26 Electrical****26 05 Common Work Results for Electrical****26 05 53 Identification for Electrical Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 05 53 00-0004	EA	1" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.67	
26 05 53 00-0005	EA	1-1/4" Outside Diameter Pressure Sensitive Marker Stick-on.....	18.97	
26 05 53 00-0006	EA	1-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.28	
26 05 53 00-0007	EA	2" Outside Diameter Pressure Sensitive Marker Stick-on.....	19.75	
26 05 53 00-0008	EA	2-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	22.61	
26 05 53 00-0009	EA	3" Outside Diameter Pressure Sensitive Marker Stick-on.....	23.22	
26 05 53 00-0010	EA	3-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	23.68	
26 05 53 00-0011	EA	4" Outside Diameter Pressure Sensitive Marker Stick-on.....	24.15	
26 05 53 00-0012	EA	4-1/2" Outside Diameter Pressure Sensitive Marker Stick-on.....	25.12	
26 05 53 00-0013	EA	5" Outside Diameter Pressure Sensitive Marker Stick-on.....	26.15	
26 05 53 00-0014	EA	6" Outside Diameter Pressure Sensitive Marker Stick-on.....	27.07	
26 05 53 00-0015	EA	7" Outside Diameter Pressure Sensitive Marker Stick-on.....	27.97	
26 05 53 00-0016	EA	8" Outside Diameter Pressure Sensitive Marker Stick-on.....	30.36	
26 05 53 00-0017	EA	10" Outside Diameter Pressure Sensitive Marker Stick-on.....	32.06	

**26 05 53 00-0018 Labeling Existing Electrical Wires (26 05 53)**

Note: Self-adhesive vinyl coated white cloth

26 05 53 00-0019	EA	Labeling Existing Wire.....	4.73	
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**26 05 53 00-0020 Equipment Labeling (26 05 53)**

26 05 53 00-0021	EA	Label Both Ends Of One 4 Pair Cable.....	30.34	
26 05 53 00-0022	EA	Label single gang face plate (2 labels required).....	24.27	
26 05 53 00-0023	EA	Label two gang face plate (4 labels required).....	36.41	
26 05 53 00-0024	EA	Label both ends of a Siamese (dual 4 Pair cable).....	30.34	

**26 05 83 Wiring Connections (26 05)****26 05 83 00-0001 Tape Wrapped Compression Connectors (26 05 83)**

26 05 83 00-0002	EA	#6 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	18.81	6.94
26 05 83 00-0003	EA	#4 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	20.46	7.71
26 05 83 00-0004	EA	#2 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	21.85	8.48
26 05 83 00-0005	EA	1/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	24.92	9.24
26 05 83 00-0006	EA	2/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	26.85	10.02
26 05 83 00-0007	EA	3/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	29.60	10.79
26 05 83 00-0008	EA	4/0 AWG Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	31.68	11.56
26 05 83 00-0009	EA	250 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	34.39	12.33
26 05 83 00-0010	EA	300 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	38.13	13.88
26 05 83 00-0011	EA	350 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	40.09	14.65
26 05 83 00-0012	EA	400 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	44.00	15.41
26 05 83 00-0013	EA	500 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	47.48	16.18
26 05 83 00-0014	EA	750 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	52.81	17.73
26 05 83 00-0015	EA	1,000 MCM Compression Connection, Tape Wrapped Low Voltage, To 600 Volt.....	60.90	20.04

**26 05 83 00-0016 One Hole Compression Lugs (26 05 83)**

26 05 83 00-0017	EA	#22-18 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	25.97	20.04
26 05 83 00-0018	EA	#16-14 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	26.10	20.04
26 05 83 00-0019	EA	#12-10 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	29.48	21.58
26 05 83 00-0020	EA	#8 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	35.87	23.89
26 05 83 00-0021	EA	#6 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	50.72	30.83
26 05 83 00-0022	EA	#4 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	59.81	30.83
26 05 83 00-0023	EA	#2 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	68.82	30.83
26 05 83 00-0024	EA	1/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	85.12	46.24
26 05 83 00-0025	EA	2/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	100.09	46.24
26 05 83 00-0026	EA	3/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	117.24	46.24
26 05 83 00-0027	EA	4/0 AWG Low Voltage (To 600 Volt) One Hole Compression Lug.....	141.51	61.66
26 05 83 00-0028	EA	250 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	167.90	92.49
26 05 83 00-0029	EA	300 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	192.02	92.49
26 05 83 00-0030	EA	350 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	206.50	92.49
26 05 83 00-0031	EA	400 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	224.54	107.90
26 05 83 00-0032	EA	500 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	245.32	107.90
26 05 83 00-0033	EA	750 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	266.77	123.31
26 05 83 00-0034	EA	1,000 MCM Low Voltage (To 600 Volt) One Hole Compression Lug.....	311.72	138.73

**26 05 83 00-0035 Two Hole Compression Lugs (26 05 83)**

26 05 83 00-0036	EA	#8 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	52.71	26.21
26 05 83 00-0037	EA	#6 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	56.44	27.90
26 05 83 00-0038	EA	#4 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	59.66	27.90
26 05 83 00-0039	EA	#2 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	68.65	32.06
26 05 83 00-0040	EA	1/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	84.94	40.07
26 05 83 00-0041	EA	2/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	99.90	47.63
26 05 83 00-0042	EA	3/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	117.03	55.80
26 05 83 00-0043	EA	4/0 AWG Low Voltage (To 600 Volt) Two Hole Compression Lug.....	141.27	67.67
26 05 83 00-0044	EA	250 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	167.62	80.31
26 05 83 00-0045	EA	300 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	191.69	91.72
26 05 83 00-0046	EA	350 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	206.16	98.81
26 05 83 00-0047	EA	400 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	224.14	106.98
26 05 83 00-0048	EA	500 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	244.88	116.84
26 05 83 00-0049	EA	750 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	267.08	126.71
26 05 83 00-0050	EA	1,000 MCM Low Voltage (To 600 Volt) Two Hole Compression Lug.....	328.84	154.14

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 05 83 00-0051**

**Tape Wrapped Split Bolt Connectors (26 05 83)**

26 05 83 00-0052	EA	#8 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	79.81	61.66
26 05 83 00-0053	EA	#6 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	87.76	66.28
26 05 83 00-0054	EA	#4 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	99.95	69.36
26 05 83 00-0055	EA	#2 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	115.54	77.07
26 05 83 00-0056	EA	1/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	135.86	84.78
26 05 83 00-0057	EA	2/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	150.64	92.49
26 05 83 00-0058	EA	3/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	187.69	100.19
26 05 83 00-0059	EA	4/0 AWG Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	201.27	107.90
26 05 83 00-0060	EA	250 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	211.93	115.61
26 05 83 00-0061	EA	300 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	239.34	127.17
26 05 83 00-0062	EA	350 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	266.74	184.97
26 05 83 00-0063	EA	400 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	291.31	154.14
26 05 83 00-0064	EA	500 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	315.88	208.09
26 05 83 00-0065	EA	750 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	346.07	215.80
26 05 83 00-0066	EA	1,000 MCM Split Bolt Connectors, Wrapped, Low Voltage, To 600 Volt .....	387.37	231.21

**26 05 83 00-0067**

**Cable Termination Lugs Handwrapped, No Stress Cone (26 05 83)**

26 05 83 00-0068	EA	#8 Or #6 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt .....	125.84	61.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.37	
26 05 83 00-0069	EA	#4 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt .....	140.74	61.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.70	
26 05 83 00-0070	EA	1/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt .....	195.45	92.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51.38	
26 05 83 00-0071	EA	4/0 AWG Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt .....	222.89	92.49
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.29	
26 05 83 00-0072	EA	300 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt .....	265.77	115.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.07	
26 05 83 00-0073	EA	500 MCM Cable Termination Lugs, Wrapped, No Stress Cones, Low Volt, To 600 Volt .....	369.78	154.14
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.34	

**26 05 83 00-0074**

**Terminal Blocks (26 05 83)**

Note: Labor excludes wire termination.

26 05 83 00-0075	EA	Power Distribution Block, 250 MCM 3 Phase Terminal Block, No Labor Wire Termination, 600 Volt .....	1,288.56	570.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	342.55	
26 05 83 00-0076	EA	#22 To #10 Wire Size, 12 Point, 600 Volt Terminal Block .....	288.16	77.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.78	
26 05 83 00-0077	EA	#8 To #2 Wire Size, 12 Point, 600 Volt Terminal Block .....	313.45	77.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.28	

**26 05 83 00-0078**

**Parallel Gutter Tap Or Motor Connection (26 05 83)**

26 05 83 00-0079	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	52.70	27.90
26 05 83 00-0080	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	56.44	27.90
26 05 83 00-0081	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	59.66	27.90
26 05 83 00-0082	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	68.65	32.06
26 05 83 00-0083	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	84.94	40.07
26 05 83 00-0084	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	99.90	47.63
26 05 83 00-0085	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	117.03	55.80
26 05 83 00-0086	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	141.27	67.67
26 05 83 00-0087	EA	250 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	167.62	80.31
26 05 83 00-0088	EA	300 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	191.69	91.72
26 05 83 00-0089	EA	350 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	206.16	98.81
26 05 83 00-0090	EA	400 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	224.14	106.98
26 05 83 00-0091	EA	500 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	244.88	116.84
26 05 83 00-0092	EA	750 MCM Parallel Gutter Tap, Versitap, Insulation With Duct Seal And Tap .....	245.28	116.84
26 05 83 00-0093	EA	#8 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	52.70	27.90
26 05 83 00-0094	EA	#6 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	56.44	27.90
26 05 83 00-0095	EA	#4 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	59.66	27.90
26 05 83 00-0096	EA	#2 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	68.65	32.06
26 05 83 00-0097	EA	1/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	84.94	40.07
26 05 83 00-0098	EA	2/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	99.90	47.63
26 05 83 00-0099	EA	3/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	117.03	55.80
26 05 83 00-0100	EA	4/0 AWG Parallel Gutter Tap, Versitap, Insulating Cover .....	141.27	67.67
26 05 83 00-0101	EA	250 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	167.62	80.31
26 05 83 00-0102	EA	300 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	191.69	91.72
26 05 83 00-0103	EA	350 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	206.16	98.81
26 05 83 00-0104	EA	400 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	224.14	106.98
26 05 83 00-0105	EA	500 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	244.88	116.84
26 05 83 00-0106	EA	750 MCM Parallel Gutter Tap, Versitap, Insulating Cover .....	245.28	116.84

**26 05 83 00-0107**

**Copper Mechanical Lugs (26 05 83)**

26 05 83 00-0108	EA	#8 Copper Mechanical Lugs .....	42.63	19.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.56	
26 05 83 00-0109	EA	#6 Copper Mechanical Lugs .....	51.23	23.28
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.96	
26 05 83 00-0110	EA	#4 Copper Mechanical Lugs .....	59.23	26.97
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.19	
26 05 83 00-0111	EA	#2 Copper Mechanical Lugs .....	77.12	34.37
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.65	



**26 Electrical**

**26 05 Common Work Results for Electrical**

**26 05 83 Wiring Connections**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 05 83 00-0112	EA 1/0 Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103.82 27.75	46.24
26 05 83 00-0113	EA 2/0 Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.15 32.23	53.64
26 05 83 00-0114	EA 3/0 Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.50 37.00	61.66
26 05 83 00-0115	EA 4/0 Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.90 41.49	69.21
26 05 83 00-0116	EA 250 MCM Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	185.61 46.24	77.07
26 05 83 00-0117	EA 300 MCM Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	207.96 50.89	84.78
26 05 83 00-0118	EA 350 MCM Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	230.20 55.49	92.49
26 05 83 00-0119	EA 400 MCM Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	252.28 60.07	100.19
26 05 83 00-0120	EA 500 MCM Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.74 64.74	107.90
26 05 83 00-0121	EA 750 MCM Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	311.65 73.75	122.85
26 05 83 00-0122	EA 1,000 MCM Copper Mechanical Lugs ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	352.66 83.24	138.73
<b>26 05 83 00-0123 Gel Connectors</b> <small>(26 05 83)</small>			
26 05 83 00-0124	EA 3 Port, #14 to 2/0, Push On Gel Stub Splice Kit ..... <i>Note: Kit contains connector, gel filled cap and cap clamp.</i>	71.88	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4.63	
26 05 83 00-0125	EA 4 Port, #14 to 2, Gel Tap Splice Kit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.01 5.56	
<b>26 05 83 00-0126 Other Connections</b> <small>(26 05 83)</small>			
26 05 83 00-0127	EA #14 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.91 4.22	7.04
26 05 83 00-0128	EA #12 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.99 4.22	7.04
26 05 83 00-0129	EA #10 AWG Motor Connection, Spade Lug, Machine Bolt/Nut, Insulated With Tape ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15.07 4.22	7.04
<b>26 05 83 00-0130 Motor/Equipment Connections And Terminations</b> <small>(26 05 83)</small>			
<i>Note: Includes rotation testing. If equipment rating is other than horsepower (KW, CFM, tons, Btu/Hr, etc.) convert units to horsepower and select proper circuit characteristics. Includes material conduit (6 LF max.), connectors and conductors. To connect electrical wiring to all new or existing equipment motors. See CSI section 23 05 13 00-0000 for motors, 23 05 13 00-0216 for motor mounting.</i>			
<b>26 05 83 00-0131 AC Single Phase, 230 Volt</b> <small>(26 05 83 00-0130)</small>			
26 05 83 00-0132	EA <1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	91.73	38.54
26 05 83 00-0133	EA 1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	91.24	38.54
26 05 83 00-0134	EA 3/4 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	107.24	46.24
26 05 83 00-0135	EA 1 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	131.46	57.80
26 05 83 00-0136	EA 1-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	132.44	57.80
26 05 83 00-0137	EA 2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	132.64	57.80
26 05 83 00-0138	EA 3 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	135.88	57.80
26 05 83 00-0139	EA 5 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	174.81	77.07
26 05 83 00-0140	EA 7-1/2 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	178.45	77.07
26 05 83 00-0141	EA 10 HP AC Motor Single Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing .....	225.16	96.34
<b>26 05 83 00-0142 AC Three Phase, 230 Volt</b> <small>(26 05 83 00-0130)</small>			
26 05 83 00-0143	EA 1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.24	38.54
26 05 83 00-0144	EA 3/4 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	107.24	46.24
26 05 83 00-0145	EA 1 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	131.46	57.80
26 05 83 00-0146	EA 1-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	132.44	57.80
26 05 83 00-0147	EA 2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	132.64	57.80
26 05 83 00-0148	EA 3 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	135.88	57.80
26 05 83 00-0149	EA 5 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	174.81	77.07
26 05 83 00-0150	EA 7-1/2 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	178.45	77.07
26 05 83 00-0151	EA 10 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	225.16	96.34
26 05 83 00-0152	EA 15 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	230.08	96.34
26 05 83 00-0153	EA 20 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	288.00	115.61
26 05 83 00-0154	EA 25 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	295.49	115.61
26 05 83 00-0155	EA 30 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	401.79	154.14
26 05 83 00-0156	EA 40 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	503.46	192.68
26 05 83 00-0157	EA 50 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	594.93	231.21
26 05 83 00-0158	EA 60 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	706.02	269.75
26 05 83 00-0159	EA 75 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	810.86	308.29
26 05 83 00-0160	EA 100 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,007.42	385.36
26 05 83 00-0161	EA 125 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,191.09	458.58
26 05 83 00-0162	EA 150 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,407.53	534.88
26 05 83 00-0163	EA 200 HP AC Motor Three Phase, 230 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	2,021.13	802.17
<b>26 05 83 00-0164 AC Three Phase, 460 Volt</b> <small>(26 05 83 00-0130)</small>			
26 05 83 00-0165	EA 1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	91.24	38.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 05 83 00-0166	EA		3/4 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	107.24	46.24
26 05 83 00-0167	EA		1 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	131.46	57.80
26 05 83 00-0168	EA		1-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	132.44	57.80
26 05 83 00-0169	EA		2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	132.64	57.80
26 05 83 00-0170	EA		3 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	135.88	57.80
26 05 83 00-0171	EA		5 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	174.81	77.07
26 05 83 00-0172	EA		7-1/2 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	178.45	77.07
26 05 83 00-0173	EA		10 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	225.16	96.34
26 05 83 00-0174	EA		15 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	230.08	96.34
26 05 83 00-0175	EA		20 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	288.01	115.61
26 05 83 00-0176	EA		25 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	295.48	115.61
26 05 83 00-0177	EA		30 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	401.79	154.14
26 05 83 00-0178	EA		40 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	503.93	192.99
26 05 83 00-0179	EA		50 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	594.93	231.21
26 05 83 00-0180	EA		60 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	706.02	269.75
26 05 83 00-0181	EA		75 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	810.86	308.29
26 05 83 00-0182	EA		100 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,007.42	385.36
26 05 83 00-0183	EA		125 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,191.53	458.74
26 05 83 00-0184	EA		150 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	1,408.12	535.20
26 05 83 00-0185	EA		200 HP AC Motor Three Phase, 460 Volt Motor/Equipment, Connection, Termination And Rotation Testing.....	2,022.48	802.78

26 05 83 00-0186 AC Single Phase, 120 Volt (26 05 83 00-0130)  
 26 05 83 00-0187 EA 1/2 HP AC And Less Single Phase, 120 Volt Motor/Equipment, Connection, Termination And Rotation Testing ..... 91.73 38.54

26 05 83 00-0188 Motor Moisture Sensor (26 05 83 00-0130)  
 26 05 83 00-0189 EA Motor Moisture Sensor Located In Winding ..... 865.56

**26 09 Instrumentation and Control for Electrical Systems** (26)

**26 09 23 Lighting Control Devices** (26 09)

26 09 23 00-0001			Lighting Contactors <small>(26 09 23)</small> Note: Up to 600 volt.		
26 09 23 00-0002			Electrically Held, Lighting Contactors <small>(26 09 23 00-0001)</small>		
26 09 23 00-0003			NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0004			2-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0005	EA		20 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	588.10	123.31
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.99	
26 09 23 00-0006	EA		30 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	724.03	138.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
26 09 23 00-0007	EA		60 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,346.33	215.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.48	
26 09 23 00-0008	EA		100 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,087.77	292.87
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	175.73	
26 09 23 00-0009	EA		200 Amperes, 2 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,302.95	385.36
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	231.22	
26 09 23 00-0010			3-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0011	EA		20 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	664.05	138.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
26 09 23 00-0012	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	794.26	154.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.49	
26 09 23 00-0013	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,460.53	246.63
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	147.98	
26 09 23 00-0014	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,256.38	323.70
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	194.22	
26 09 23 00-0015	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	4,621.14	423.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.34	
26 09 23 00-0016			4-Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0003)</small>		
26 09 23 00-0017	EA		20 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	780.00	154.14
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.49	
26 09 23 00-0018	EA		30 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	932.97	169.56
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	101.73	
26 09 23 00-0019	EA		60 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	1,762.35	277.46
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.48	
26 09 23 00-0020	EA		100 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	2,692.37	354.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	212.72	
26 09 23 00-0021	EA		200 Amperes, 4 Pole, NEMA 1 Enclosure, Electrically Held, Lighting Contactor.....	5,883.12	462.44
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	277.46	
26 09 23 00-0022			NEMA 3R Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0023			2-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors <small>(26 09 23 00-0002)</small>		
26 09 23 00-0024	EA		30 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	944.55	138.73
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
26 09 23 00-0025	EA		60 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor.....	1,893.75	215.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.48	

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0026	EA		100 Amperes, 2 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,842.94 175.73	292.87
<b>26 09 23 00-0027</b>			<b>3-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0022)		
26 09 23 00-0028	EA		30 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,339.84 92.49	154.14
26 09 23 00-0029	EA		60 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,080.27 147.98	246.63
26 09 23 00-0030	EA		100 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,133.37 194.22	323.70
26 09 23 00-0031	EA		200 Amperes, 3 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,152.42 254.34	423.90
<b>26 09 23 00-0032</b>			<b>4-Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0022)		
26 09 23 00-0033	EA		30 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,272.64 101.73	169.56
26 09 23 00-0034	EA		60 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,098.11 166.48	277.46
26 09 23 00-0035	EA		100 Amperes, 4 Pole, NEMA 3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,861.92 212.72	354.53
<b>26 09 23 00-0036</b>			<b>NEMA 4 Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0002)		
<b>26 09 23 00-0037</b>			<b>2-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0036)		
26 09 23 00-0038	EA		20 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	951.11 73.99	123.31
26 09 23 00-0039	EA		30 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,205.31 83.24	138.73
26 09 23 00-0040	EA		60 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,306.08 129.48	215.80
26 09 23 00-0041	EA		100 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,450.93 175.73	292.87
26 09 23 00-0042	EA		200 Amperes, 2 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,629.62 231.22	385.36
<b>26 09 23 00-0043</b>			<b>3-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0036)		
26 09 23 00-0044	EA		20 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	989.12 83.24	138.73
26 09 23 00-0045	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,275.55 92.49	154.14
26 09 23 00-0046	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,423.09 147.98	246.63
26 09 23 00-0047	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,618.61 194.22	323.70
26 09 23 00-0048	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,946.87 254.34	423.90
<b>26 09 23 00-0049</b>			<b>4-Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0036)		
26 09 23 00-0050	EA		20 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,070.20 92.49	154.14
26 09 23 00-0051	EA		30 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,414.26 101.73	169.56
26 09 23 00-0052	EA		60 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,099.25 166.48	277.46
26 09 23 00-0053	EA		100 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,428.93 212.72	354.53
26 09 23 00-0054	EA		200 Amperes, 4 Pole, NEMA 4 Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,240.84 277.46	462.44
<b>26 09 23 00-0055</b>			<b>NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0002)		
<b>26 09 23 00-0056</b>			<b>2-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0055)		
26 09 23 00-0057	EA		60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,800.64 129.48	215.80
26 09 23 00-0058	EA		100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,970.07 175.73	292.87
26 09 23 00-0059	EA		200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,757.68 231.22	385.36
<b>26 09 23 00-0060</b>			<b>3-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0055)		
26 09 23 00-0061	EA		60 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,998.10 147.98	246.63
26 09 23 00-0062	EA		100 Amperes, 3 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,225.74 194.22	323.70
<b>26 09 23 00-0063</b>			<b>4-Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactors</b> (26 09 23 00-0055)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0064	EA		60 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,595.55 166.48	277.46
26 09 23 00-0065	EA		100 Amperes, 4 Pole, NEMA 12/3R Enclosure, Electrically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,195.68 212.72	354.53
<b>26 09 23 00-0066</b>			<b>Mechanically Held, Lighting Contactors (26 09 23 00-0001)</b>		
<b>26 09 23 00-0067</b>			<b>NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)</b>		
<b>26 09 23 00-0068</b>			<b>2-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)</b>		
26 09 23 00-0069	EA		20 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	852.67 73.99	123.31
26 09 23 00-0070	EA		30 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	969.83 83.24	138.73
26 09 23 00-0071	EA		60 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,824.80 129.48	215.80
26 09 23 00-0072	EA		100 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,540.90 175.73	292.87
26 09 23 00-0073	EA		200 Amperes, 2 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,774.00 231.22	385.36
<b>26 09 23 00-0074</b>			<b>3-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)</b>		
26 09 23 00-0075	EA		20 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	913.24 83.24	138.73
26 09 23 00-0076	EA		30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,041.94 92.49	154.14
26 09 23 00-0077	EA		60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,941.81 147.98	246.63
26 09 23 00-0078	EA		100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,710.45 194.22	323.70
26 09 23 00-0079	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,490.92 254.34	423.90
<b>26 09 23 00-0080</b>			<b>4-Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0067)</b>		
26 09 23 00-0081	EA		20 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	987.14 92.49	154.14
26 09 23 00-0082	EA		30 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,112.17 101.73	169.56
26 09 23 00-0083	EA		60 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,268.96 166.48	277.46
26 09 23 00-0084	EA		100 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,173.65 212.72	354.53
26 09 23 00-0085	EA		200 Amperes, 4 Pole, NEMA 1 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,823.26 277.46	462.44
<b>26 09 23 00-0086</b>			<b>NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0066)</b>		
<b>26 09 23 00-0087</b>			<b>2-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)</b>		
26 09 23 00-0088	EA		20 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,261.82 73.99	123.31
26 09 23 00-0089	EA		30 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,451.12 83.24	138.73
26 09 23 00-0090	EA		60 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,787.36 129.48	215.80
26 09 23 00-0091	EA		100 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,904.07 175.73	292.87
26 09 23 00-0092	EA		200 Amperes, 2 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,098.80 231.22	385.36
<b>26 09 23 00-0093</b>			<b>3-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)</b>		
26 09 23 00-0094	EA		20 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,335.72 83.24	138.73
26 09 23 00-0095	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,523.23 92.49	154.14
26 09 23 00-0096	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,904.38 147.98	246.63
26 09 23 00-0097	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,074.56 194.22	323.70
26 09 23 00-0098	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,817.59 254.34	423.90
<b>26 09 23 00-0099</b>			<b>4-Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactors (26 09 23 00-0086)</b>		
26 09 23 00-0100	EA		20 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,414.75 92.49	154.14
26 09 23 00-0101	EA		30 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,593.45 101.73	169.56
26 09 23 00-0102	EA		60 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,605.86 166.48	277.46



**26 Electrical**

**26 09 Instrumentation and Control for Electrical Systems**

**26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0103	EA	100 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,910.21 212.72		354.53
26 09 23 00-0104	EA	200 Amperes, 4 Pole, NEMA 4 Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,112.50 277.46		462.44
26 09 23 00-0105		<b>NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0066)			
26 09 23 00-0106		<b>2-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0105)			
26 09 23 00-0107	EA	30 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	807.93 83.24		138.73
26 09 23 00-0108	EA	60 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,478.58 129.48		246.63
26 09 23 00-0109	EA	100 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,014.28 175.73		292.87
26 09 23 00-0110	EA	200 Amperes, 2 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,584.59 231.22		385.36
26 09 23 00-0111		<b>3-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0105)			
26 09 23 00-0112	EA	30 Amperes, 3 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	862.61 92.49		154.14
26 09 23 00-0113		<b>4-Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactors</b> (26 09 23 00-0105)			
26 09 23 00-0114	EA	200 Amperes, 4 Pole, NEMA 12/3R Enclosure, Mechanically Held, Lighting Contactor <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,164.36 277.46		462.44
26 09 23 00-0115		<b>Combination Lighting Contactors</b> (26 09 23) Note: Up to 600 volt.			
26 09 23 00-0116		<b>Electrically Held, Combination Lighting Contactors</b> (26 09 23 00-0115)			
26 09 23 00-0117		<b>NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors</b> (26 09 23 00-0116)			
26 09 23 00-0118		<b>3-Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactors</b> (26 09 23 00-0117)			
26 09 23 00-0119	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,626.75 101.73		169.56
26 09 23 00-0120	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,552.15 162.77		271.30
26 09 23 00-0121	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,098.02 213.65		356.08
26 09 23 00-0122	EA	200 Amperes, 3 Pole, NEMA 1 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,429.89 279.77		466.29
26 09 23 00-0123		<b>NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors</b> (26 09 23 00-0116)			
26 09 23 00-0124		<b>3-Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactors</b> (26 09 23 00-0123)			
26 09 23 00-0125	EA	30 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,908.77 101.73		169.56
26 09 23 00-0126	EA	60 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,527.94 162.77		271.30
26 09 23 00-0127	EA	100 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,545.81 213.65		356.08
26 09 23 00-0128	EA	200 Amperes, 3 Pole, NEMA 4 Enclosure, Electrically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,840.25 279.77		466.29
26 09 23 00-0129		<b>Mechanically Held, Combination Lighting Contactors</b> (26 09 23 00-0115)			
26 09 23 00-0130		<b>NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors</b> (26 09 23 00-0129)			
26 09 23 00-0131		<b>3-Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactors</b> (26 09 23 00-0130)			
26 09 23 00-0132	EA	30 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,773.11 101.73		169.56
26 09 23 00-0133	EA	60 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,058.76 162.77		271.30
26 09 23 00-0134	EA	100 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,577.90 213.65		356.08



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0135	EA		200 Amperes, 3 Pole, NEMA 1 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,793.53 279.77	466.29
26 09 23 00-0136			<b>NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors</b> (26 09 23 00-0129)		
26 09 23 00-0137			<b>3-Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactors</b> (26 09 23 00-0136)		
26 09 23 00-0138	EA		30 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,056.53 101.73	169.56
26 09 23 00-0139	EA		60 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,037.37 162.77	271.30
26 09 23 00-0140	EA		100 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,027.09 213.65	356.08
26 09 23 00-0141	EA		200 Amperes, 3 Pole, NEMA 4 Enclosure, Mechanically Held, Combination Lighting Contactor With Fused Disconnect Switch ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,203.89 279.77	466.29
26 09 23 00-0142			<b>Photo-Cell, Relay, Lighting Arrester, Receptacle And Bracket</b> (26 09 23)		
26 09 23 00-0143	EA		105 To 130 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	136.44 24.08	40.07
26 09 23 00-0144	EA		105 To 285 Volt Relay, Photo-Cell, Lighting Arrester, Receptacle And Bracket ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	145.75 24.08	40.07
26 09 23 00-0145			<b>Dimming Module System (Lutron Grafik Eye)</b> (26 09 23)		
26 09 23 00-0146	EA		2,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-2)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,844.77 92.49	154.14
26 09 23 00-0147	EA		4,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-4)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,366.61 92.49	154.14
26 09 23 00-0148	EA		6,000 Watt Dimming Capacity, 120/277 Volt, Dimming Module System (Lutron Grafik Eye Hi-Power HP-6)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,897.75 92.49	154.14
26 09 23 00-0149			<b>Dimming Module Contol (Leviton)</b> (26 09 23)		
26 09 23 00-0150	EA		5 Amperes, Wireless Dimming Module (Leviton WSD05-9D0)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	238.44 11.58	19.31
26 09 23 00-0151			<b>Light Control Panels</b> (26 09 23)		
26 09 23 00-0152			<b>Lighting Control Panels (Watt Stopper)</b> (26 09 23 00-0151)		
26 09 23 00-0153			<b>Lighting Control Panels (Watt Stopper)</b> (26 09 23 00-0152)		
26 09 23 00-0154	EA		4 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-4) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,041.02 129.73	216.22
26 09 23 00-0155	EA		8 Relays, Surface Mount, Lighting Control Panel (Watt Stopper LP8S-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,925.58 139.00	231.66
26 09 23 00-0156	EA		8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8S-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,154.17 139.00	231.66
26 09 23 00-0157	EA		8 Relays, Surface Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24S-8)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,177.15 139.00	231.66
26 09 23 00-0158	EA		8 Relays, Surface Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24S-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,445.52 139.00	231.66
26 09 23 00-0159	EA		4 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-4) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,260.86 129.73	216.22
26 09 23 00-0160	EA		8 Relays, Flush Mount, Lighting Control Panel (Watt Stopper LP8F-8) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,425.81 139.00	231.66
26 09 23 00-0161	EA		8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card (Watt Stopper LP8F-8-G)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,693.92 139.00	231.66
26 09 23 00-0162	EA		8 Relays, Flush Mount, Lighting Control Panel With DIN Rail (Watt Stopper LP24F-8)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,284.40 139.00	231.66
26 09 23 00-0163	EA		8 Relays, Flush Mount, Lighting Control Panel With Group Switching Card And DIN Rail (Watt Stopper LP24F-8-G) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,552.76 139.00	231.66
26 09 23 00-0164			<b>Accessories For Lighting Control Panels (Watt Stopper)</b> (26 09 23 00-0152)		
26 09 23 00-0165	EA		Low Voltage Photocell For Watt Stopper Lighting Control Panels (Watt Stopper EM-24A2) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	204.66 23.17	38.61
26 09 23 00-0166	EA		Automatic Control Switch For Watt Stopper Lighting Control Panels (Watt Stopper AS-100-W)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.97 18.53	30.89
26 09 23 00-0167	EA		Low Voltage Momentary Switch For Watt Stopper Lighting Control Panels (Watt Stopper DCC2) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	89.01 18.53	30.89
26 09 23 00-0168			<b>Lighting Control Panels (Synergy)</b> (26 09 23 00-0151)		
26 09 23 00-0169			<b>Lighting Control Panels (Synergy)</b> (26 09 23 00-0168)		
26 09 23 00-0170	EA		8 Relays, Surface Mount, Lighting Control Panel (Synergy SwitchPak SPAK 8S) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,922.79 139.00	231.66

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 09 23 00-0171		<b>Accessories For Lighting Control Panels (Synergy)</b> <small>(26 09 23 00-0168)</small>			
26 09 23 00-0172	EA	Outdoor Photocell For Synergy SwitchPak Lighting Control Panels (Synergy LSA-APS-OL).....	710.02		38.61
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.17		
26 09 23 00-0173	EA	Sweepswitch, Line Voltage Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy SSPL-20).....	275.19		15.44
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27		
26 09 23 00-0174	EA	Override Switch For Synergy SwitchPak Lighting Control Panels (Synergy LVPS-2BT).....	161.30		23.16
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.90		
26 09 23 00-0175		<b>Lighting Switching Panels (Lutron)</b> <small>(26 09 23 00-0151)</small>			
26 09 23 00-0176		<b>Lighting Switching Panels (Lutron)</b> <small>(26 09 23 00-0175)</small>			
26 09 23 00-0177	EA	8 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS8-FT).....	2,394.65		231.66
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.00		
26 09 23 00-0178	EA	12 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS12-FT).....	3,256.70		247.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	148.27		
26 09 23 00-0179	EA	16 Switch Legs, Surface Mount, Feed-Through, Lighting Switching Panels (Lutron Softswitch128® XPS16-FT).....	4,241.65		262.55
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.53		
26 09 23 00-0180		<b>Wireless (ZigBee) LED Lighting Control Panels (PlanLED GigaTera)</b> <small>(26 09 23 00-0151)</small>			
26 09 23 00-0181	EA	6 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC6Z).....	1,624.57		216.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73		
26 09 23 00-0182	EA	12 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC12Z).....	1,841.32		216.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73		
26 09 23 00-0183	EA	18 Zone, Surface Mount, 0 To 10 Volt Dimming, Wireless (ZigBee) LED Lighting Control Panel (PlanLED GigaTera IPC18Z).....	2,058.08		216.22
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.73		
26 09 23 00-0184		<b>Power Filters</b> <small>(26 09 23 00-0151)</small>			
26 09 23 00-0185	EA	600 Amperes, 480/277 Volt, 4 Conductor Power Filter With 80" X 60" X 17" Enclosure.....	30,436.27		1,284.49
26 09 23 00-0186	EA	200 Amperes, 480/277 Volt, 4 Conductor Power Filter With 25" X 40" X 17" Enclosure.....	17,837.30		558.47
26 09 23 00-0187		<b>Signal Filters</b> <small>(26 09 23 00-0151)</small>			
26 09 23 00-0188	EA	0.5 Amperes, 125 Volt, 500 Conductor Signal Filter With 19" X 36-3/4" X 19-1/8 Case.....	14,411.31		1,167.80
26 09 23 00-0189	EA	0.5 Amperes, 125 Volt, 200 Conductor Signal Filter With 29" X 40" X 11" Case.....	9,787.42		713.69
26 09 23 00-0190	EA	0.5 Amperes, 125 Volt, 3 Pair Conductor Signal Filter With 12" X 12" X 4" Case.....	5,473.26		414.34
26 09 23 00-0191	EA	5 Amperes, 24 Volt DC, 5 Volt, 2 - 1 Pair Conductor Signal Filter With Case.....	7,331.07		414.34
26 09 23 00-0192		<b>Lighting Control Devices (Encelium)</b> <small>(26 09 23)</small>			
26 09 23 00-0193	EA	8 Port, G4, Wired Energy Control Unit, GreenBus II™ (120 Volt) With Polaris 3D™ (Encelium EN-ECU-G4-P3D).....	16,470.36		154.44
		Note: Excludes GB II cable.			
26 09 23 00-0194	EA	Server, System Support Unit (SSU) (Encelium EN-SSU-1U).....	7,559.02		154.44
		Note: Excludes GB II and Ethernet cable.			
26 09 23 00-0195	EA	Server, System Support Unit (SSU), VIRTUAL (Encelium EN-SW-SSUVIRT).....	3,960.16		154.44
		Note: Excludes GB II and Ethernet cable.			
26 09 23 00-0196	EA	Server, System Support Unit (SSU) With BACnet (Encelium EN-SSU-BIF-KIT).....	16,566.90		154.44
		Note: Excludes GB II and Ethernet cable.			
26 09 23 00-0197	EA	Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK).....	136.64		19.31
		Note: Excludes GB II cable.			
26 09 23 00-0198	EA	Damp Rated, Isolated, Wired Luminaire Control Module (Encelium EN-iLCM-1R10V-GB2-BK/DR).....	207.94		19.31
		Note: Excludes GB II cable.			
26 09 23 00-0199	EA	Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK).....	266.70		38.61
		Note: Excludes GB II cable.			
26 09 23 00-0200	EA	Damp Rated, Wired Area Lighting Controller, Heavy Duty Relay With 0-10V Dimming (Encelium EN-ALC-1R10V-GB2-BK-DR).....	319.11		38.61
		Note: Excludes GB II cable.			
26 09 23 00-0201	EA	Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK).....	175.25		38.61
		Note: Excludes GB II cable.			
26 09 23 00-0202	EA	Damp Rated, Wired Sensor Interface Module (Encelium EN-SIM-AI/SPS-GB2-BK/DR).....	246.55		38.61
		Note: Excludes GB II cable.			
26 09 23 00-0203	EA	16 Port, Rack Mounted, Wired Ethernet Switch (Encelium ETH-700).....	614.04		77.22
		Note: Excludes cable.			
26 09 23 00-0204	EA	Rack Mounted, Wired Power Bar (Encelium PWR-700).....	467.55		77.22
26 09 23 00-0205	EA	Rack Mounted, Wired Power Bar With Surge Protection (Encelium PWR-800).....	835.78		77.22
26 09 23 00-0206	EA	Wall Mounted, 4U Mounting Rack (Encelium RCK-700).....	302.02		77.22
26 09 23 00-0207	EA	4 Port, 10/100 VPN, Dual WAN, Wired Router (Encelium RV042).....	933.88		77.22
		Note: Excludes cable.			
26 09 23 00-0208	EA	Wired BACnet Interface (Encelium BIF-600).....	9,625.65		308.89
		Note: Excludes cable.			
26 09 23 00-0209	EA	Wired AV Interface (Encelium EN-SW-AVINT).....	7,075.32		77.22
		Note: Excludes cable.			
26 09 23 00-0210	EA	Two Button, GB2, Wired Wall Station (Encelium EN-WS-2B-GB2-WH).....	270.43		19.31
		Note: Includes white finish. Excludes GB II cable.			
26 09 23 00-0211	EA	3 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC3-GB2-WH).....	328.36		19.31
		Note: Includes white finish. Excludes GB II cable.			
26 09 23 00-0212	EA	3 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WH).....	314.38		19.31
		Note: Includes white finish. Excludes GB II cable.			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0213	EA		5 Scene, GB2, Wired Wall Station (Encelium EN-WS-SC5-GB2-WH) ..... Note: Includes white finish. Excludes GB II cable.	328.36	19.31
26 09 23 00-0214	EA		6 Zone, GB2, Wired Wall Station (Encelium EN-WS-ZC6-GB2-WH)..... Note: Includes white finish. Excludes GB II cable.	314.38	19.31
26 09 23 00-0215	EA		Rocker Switch, GB2, Wired Wall Station (Encelium EN-WS-R-GB2-WT) ..... Note: Includes white finish. Excludes GB II cable.	239.12	19.31
26 09 23 00-0216	EA		Scene Controller, GB2, Wired Wall Station (Encelium EN-WS-SC3D-GB2-WT)..... Note: Includes white finish. Excludes GB II cable.	328.36	19.31
26 09 23 00-0217	EA		3 Zone Controller, GB2, Wired Wall Station (Encelium EN-WS-ZC3-GB2-WT) ..... Note: Includes white finish. Excludes GB II cable.	314.38	19.31
26 09 23 00-0218	EA		Wired Key Switch Controller (Encelium KSW-300)..... Note: Excludes GB II cable.	233.48	19.31
26 09 23 00-0219	EA		Wall Station Surface Mount Kit (Encelium EN-SMK-ZB-WH) ..... Note: Includes white finish.	103.12	19.31
26 09 23 00-0220	EA		1/2' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-0.5FT-GB2).....	91.88	38.61
26 09 23 00-0221	EA		1' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-01FT-GB2).....	92.50	38.61
26 09 23 00-0222	EA		5' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-05FT-GB2).....	97.43	38.61
26 09 23 00-0223	EA		10' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-10FT-GB2).....	102.30	38.61
26 09 23 00-0224	EA		15' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-15FT-GB2).....	108.12	38.61
26 09 23 00-0225	EA		20' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-20FT-GB2).....	113.37	38.61
26 09 23 00-0226	EA		25' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-25FT-GB2).....	119.81	38.61
26 09 23 00-0227	EA		50' Length, Pre-Terminated, GreenBus II™ Cable (Encelium EN-PTC-50FT-GB2).....	148.93	38.61
26 09 23 00-0228	EA		1,000' Box, GreenBus II™ Cable (Encelium EN-BC-1000FT-GB2).....	885.19	38.61
26 09 23 00-0229	EA		Box Of 50, Greenbus II™ Connectors (Encelium EN-CON-50-GB2).....	225.04	38.61
26 09 23 00-0230	EA		1,000' Box, Category 5, Network Cable (Encelium NWC-400-B).....	1,138.87	38.61
26 09 23 00-0231	EA		Indoor Wired Photo Sensor (Encelium PHS-700)..... Note: Excludes GB II cable.	685.27	77.22
26 09 23 00-0232	EA		Outdoor Wired Photo Sensor (Encelium PHS-800)..... Note: Excludes GB II cable.	685.27	77.22
26 09 23 00-0233	EA		Skylight Wired Photo Sensor (Encelium PHS-900)..... Note: Excludes GB II cable.	685.27	77.22
26 09 23 00-0234	EA		450 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-0450)..... Note: Excludes GB II cable.	369.62	77.22
26 09 23 00-0235	EA		1,500 SF, 360 Degree, Passive Infrared, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCP-1500)..... Note: Excludes GB II cable.	359.03	77.22
26 09 23 00-0236	EA		2,500 SF, Wide View, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-WV00)..... Note: Excludes GB II cable.	366.09	77.22
26 09 23 00-0237	EA		High-Bay, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-HBAY)..... Note: Excludes GB II cable.	401.37	77.22
26 09 23 00-0238	EA		Long-Range, Passive Infrared, Wall Mounted, Wired Occupancy Sensor (Encelium SWP-LRNG) ..... Note: Excludes GB II cable.	366.09	77.22
26 09 23 00-0239	EA		120-277 Volt AC, No Neutral, Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSP-LNV) ..... Note: Excludes GB II cable.	295.56	77.22
26 09 23 00-0240	EA		High Bay, Passive Infrared, Fixture Mounted, Wired Occupancy Sensor (Encelium WSPM24V)..... Note: Excludes GB II cable.	311.68	77.22
26 09 23 00-0241	EA		High Bay, Passive Infrared, Surface Mounted, Wired Occupancy Sensor (Encelium WSPSM24V)..... Note: Excludes GB II cable.	311.68	77.22
26 09 23 00-0242	EA		360 Degree Lens, Wired Occupancy Sensor (Encelium WSPLNS360)..... Note: Excludes GB II cable.	177.29	77.22
26 09 23 00-0243	EA		Passive Infrared, Wall Switch Mounted, Wired Occupancy Sensor (Encelium PW-100-24)..... Note: Excludes GB II cable.	374.82	77.22
26 09 23 00-0244	EA		Hallway, Wired Occupancy Sensor (Encelium HW-13) ..... Note: Excludes GB II cable.	518.62	77.22
26 09 23 00-0245	EA		500 SF, 180 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-0500)..... Note: Excludes GB II cable.	457.81	77.22
26 09 23 00-0246	EA		1,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-1000)..... Note: Excludes GB II cable.	486.03	77.22
26 09 23 00-0247	EA		2,000 SF, 360 Degree, (Multi) Passive Infrared And Ultrasonic, Ceiling Mounted, Wired Occupancy Sensor (Encelium SCM-2000)..... Note: Excludes GB II cable.	500.15	77.22
26 09 23 00-0248	EA		1,200 SF, (Multi) Passive Infrared And Ultrasonic, Wall Mounted, Wired Occupancy Sensor (Encelium SWM-1200)..... Note: Excludes GB II cable.	454.28	77.22
26 09 23 00-0249	EA		120-277 Volt AC, No Neutral, Passive Infrared And Ultrasonic, Wall Switch Mounted, Wired Occupancy Sensor (Encelium SSM-LNV) ..... Note: Excludes GB II cable.	383.74	77.22
26 09 23 00-0250	EA		500 SF, 180 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC05-M0W)..... Note: Excludes GB II cable.	472.98	77.22
26 09 23 00-0251	EA		1,200 SF, 360 Degree, Dual Technology, Wall Mounted, Wired Occupancy Sensor (Encelium OSW12-M0W)..... Note: Excludes GB II cable.	469.29	77.22
26 09 23 00-0252	EA		2,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC20-M0W)..... Note: Excludes GB II cable.	517.43	77.22
26 09 23 00-0253	EA		1,000 SF, 360 Degree, Dual Technology, Ceiling Mounted, Wired Occupancy Sensor (Encelium OSC10-M0W)..... Note: Excludes GB II cable.	502.63	77.22
26 09 23 00-0254	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium DW-100-24)..... Note: Excludes GB II cable.	538.79	77.22
26 09 23 00-0255	EA		Dual Technology, Wall Switch Mounted, Wired Occupancy Sensor (Encelium WSD-PDT-LV)..... Note: Excludes GB II cable.	502.77	77.22
26 09 23 00-0256	EA		Wide View, Dual Technology, Wired Occupancy Sensor (Encelium WV-PDT) ..... Note: Excludes GB II cable.	502.77	77.22
26 09 23 00-0257	EA		10 Amperes, 120 Volt, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRU1C).....	340.21	77.22
26 09 23 00-0258	EA		10A, 277V, Single Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESRH1C).....	362.38	77.22
26 09 23 00-0259	EA		20 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR01P).....	613.54	77.22
26 09 23 00-0260	EA		20A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR02P).....	654.25	77.22
26 09 23 00-0261	EA		10 Amperes, 120 Volt, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2401D).....	490.01	77.22

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0262	EA		10A, 277V, Dual Relay, UL924 Automatic Load Control Relay (ALCR) (Encelium ESR2402D).....	509.69	77.22
26 09 23 00-0263	EA		24 Circuit, Relay Module (Encelium EN-RPM-24C-GB2)..... Note: Excludes GB II cable and enclosure.	1,437.73	154.44
26 09 23 00-0264	EA		24 Circuit, 120/277V, Relay Panel With Relay Module (Encelium EN-RP-24C-GB2-120/277V) ..... Note: Excludes GB II cable.	4,541.42	617.77
26 09 23 00-0265	EA		12 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA12R120-347V) ..... Note: Excludes GB II cable.	6,524.97	617.77
26 09 23 00-0266	EA		24 Relays, 24 Circuit, 120-347V, Emergency Relay Panel (Encelium EN-RPA24R120-347V) ..... Note: Excludes GB II cable.	8,508.49	617.77
26 09 23 00-0267	EA		Wired Phase Cut Dimming Module (Encelium EN-PCDM-GB2)..... Note: Excludes GB II cable.	718.86	77.22
26 09 23 00-0268	EA		Wired DALI Bridge (Encelium EN-DB-1L-GB2) ..... Note: Excludes GB II cable.	819.66	77.22
26 09 23 00-0269	EA		Wireless Manager (Encelium EN-WM-ZB-P3D) ..... Note: Includes white finish.	2,170.23	77.22
26 09 23 00-0270	EA		Wireless Control Module (Encelium EN-WCM-ZB).....	305.68	38.61
26 09 23 00-0271	EA		Damp Rated, Wireless Control Module (Encelium EN-WCM-ZB-DR).....	359.43	38.61
26 09 23 00-0272	EA		Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK).....	360.77	38.61
26 09 23 00-0273	EA		Damp Rated, Wireless Area Lighting Controller (Encelium EN-ALC-ZB-BK-DR).....	373.45	38.61
26 09 23 00-0274	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0275	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0276	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0277	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0278	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0279	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	275.80	19.31
26 09 23 00-0280	EA		315 MHz, Wireless Photocell (Encelium TAP-17C).....	597.91	77.22
26 09 23 00-0281	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	382.90	77.22
26 09 23 00-0282	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	382.90	77.22
26 09 23 00-0283	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	436.65	77.22
26 09 23 00-0284	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	436.65	77.22
26 09 23 00-0285	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0286	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0287	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0288	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0289	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0290	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW)..... Note: Includes white finish.	275.80	19.31
26 09 23 00-0291	EA		315 MHz, Wireless Photocell (Encelium TAP-17C).....	597.91	77.22
26 09 23 00-0292	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH).....	267.07	19.31
26 09 23 00-0293	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH).....	267.07	19.31
26 09 23 00-0294	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH).....	267.07	19.31
26 09 23 00-0295	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	275.80	19.31
26 09 23 00-0296	EA		315 MHz, Wireless Photocell (Encelium TAP-17C).....	597.91	77.22
26 09 23 00-0297	EA		450 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB).....	382.90	77.22
26 09 23 00-0298	EA		1,500 SF, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB).....	382.90	77.22
26 09 23 00-0299	EA		1,500 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-1500-ZB-DR).....	436.65	77.22
26 09 23 00-0300	EA		450 SF, Damp Rated, Ceiling Mounted, Wireless Sensor With Photocell (Encelium EN-SCPPH-0450-ZB-DR).....	436.65	77.22
26 09 23 00-0301	EA		2 Button Switch, Wireless Wall Station (Encelium EN-WS-2B-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0302	EA		3 Scene Control, Wireless Wall Station (Encelium EN-WS-SC3-ZB-WH) ..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0303	EA		3 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC3-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0304	EA		5 Scene Control, Wireless Wall Station (Encelium EN-WS-SC5-ZB-WH) ..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0305	EA		6 Zone Control, Wireless Wall Station (Encelium EN-WS-ZC6-ZB-WH)..... Note: Includes white finish.	267.07	19.31
26 09 23 00-0306	EA		Single Zone On/Off, Wireless Rocker Switch (Encelium WSS0S-DOW).....	275.80	19.31
26 09 23 00-0307	EA		315 MHz, Wireless Photocell (Encelium TAP-17C).....	597.91	77.22
26 09 23 00-0308	EA		Ceiling Mounted, Wireless Mounting Kit (Encelium EN-SCPPH-MK-ZB).....	185.34	77.22
26 09 23 00-0309	EA		Wireless Ethernet Transceiver Unit (cns-enocean Connectivity Kit).....	774.77	77.22

**26 09 23 00-0310 Lighting Control Sensors** (26 09 23)

26 09 23 00-0311	EA		DALIMulti Sensor, 600 SF (Fifthlight FLT-MTS6-DALI).....	410.82	34.75
26 09 23 00-0312	EA		DALIMulti Sensor, 1,200 SF (Fifthlight FLT-MTS12-DALI).....	410.82	34.75
26 09 23 00-0313	EA		Smart Multi-sensor (LG 9SD131VVDA.ALWB000).....	361.29	34.75
26 09 23 00-0314	EA		Zigbee Dongle (LG 9CM2315VD2.AWP01U).....	110.51	23.16
26 09 23 00-0315	EA		Clip for Performance Troffer (LG BKTTR015122.BUAAWAA).....	9.79	
26 09 23 00-0316	EA		Clip for Downlight (BKTCE015123.BUAAWAA).....	71.17	
26 09 23 00-0317	EA		Clip for Tube (LG BKTTU015121.BUAAWAA).....	13.39	

**26 09 23 00-0318 Radio Controlled Devices** (Lutron) (26 09 23)**26 09 23 00-0319 Tabletop Transmitters For Radio Controlled Devices** (26 09 23 00-0318)



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 09 23 00-0320</b> Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0321 EA One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-SW-B-WH).....	532.95	23.16
26 09 23 00-0326 EA Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2SW-B-WH).....	691.14	23.16
26 09 23 00-0323 EA Three Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3SW-B-WH).....	869.10	23.16
<b>26 09 23 00-0324</b> Dimmable Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0325 EA One Zone Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-B-WH).....	532.95	23.16
26 09 23 00-0326 EA Two Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-B-WH).....	631.82	23.16
26 09 23 00-0327 EA Three Zones Of Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-B-WH).....	869.10	23.16
26 09 23 00-0328 EA One Zone Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L-WH).....	532.95	23.16
26 09 23 00-0329 EA Two Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2L-WH).....	691.14	23.16
26 09 23 00-0330 EA Three Zones Of Four Pre Set Lighting Levels And Dimmable Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-3L-WH).....	869.10	23.16
<b>26 09 23 00-0331</b> Dimmable And Switched Lighting Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0332 EA One Zone Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LSW-B-WH).....	691.14	23.16
26 09 23 00-0333 EA Two Zones Of Dimmable Lighting Controls And One Zone Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LSW-B-WH).....	869.10	23.16
26 09 23 00-0334 EA One Zone Of Dimmable Lighting Controls And Two Zones Of On/Off Switched Lighting Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2SW-B-WH).....	869.10	23.16
<b>26 09 23 00-0335</b> Dimmable Lighting Controls And Shade Or Projection Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0336 EA One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-C3-B-WH).....	532.95	23.16
26 09 23 00-0337 EA Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2C3-B-WH).....	691.14	23.16
26 09 23 00-0338 EA One Zone Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC2-B-WH).....	631.82	23.16
26 09 23 00-0339 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Output Switch Projection Screen Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC2-B-WH).....	770.23	23.16
26 09 23 00-0340 EA One Zone Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LC3-B-WH).....	691.14	23.16
26 09 23 00-0341 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LC3-B-WH).....	829.55	23.16
26 09 23 00-0342 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Open/Stop/Close Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2C3-B-WH).....	691.14	23.16
<b>26 09 23 00-0343</b> Dimmable Lighting Controls And Sivoia QED Shade Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0344 EA One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-Q-B-WH).....	532.95	23.16
26 09 23 00-0345 EA Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2Q-B-WH).....	691.14	23.16
26 09 23 00-0346 EA One Zone Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQ-B-WH).....	691.14	23.16
26 09 23 00-0347 EA Two Zones Of Dimmable Lighting Controls And One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-2LQ-B-WH).....	869.10	23.16
26 09 23 00-0348 EA One Zone Of Dimmable Lighting Controls And Two Zones Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-L2Q-B-WH).....	691.14	23.16
26 09 23 00-0349 EA One Zone Of Dimmable Lighting Controls, One Zone Of Sivoia QED Open/Stop/Preset Motorized Shade Controls, One Zone Of Output Controls, Tabletop Wireless Transmitter (Lutron RTA-TX-LQC2-B-WH).....	869.10	23.16
<b>26 09 23 00-0350</b> Output Switch Closure Controls, Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0351 EA Five Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5-WH).....	532.95	23.16
26 09 23 00-0352 EA Nine Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C5C4-WH).....	691.14	23.16
26 09 23 00-0353 EA Thirteen Buttons Of Output Switch Closures For Grafik Eye Systems, Tabletop Wireless Transmitter (Lutron RTA-TX-C52C4-WH).....	869.10	23.16
<b>26 09 23 00-0354</b> Accessories For Tabletop Wireless Transmitter <small>(26 09 23 00-0319)</small>		
26 09 23 00-0355 EA Security Mounting Brackets For Tabletop Wireless Transmitters (Lutron RTA-SEC-WH).....	117.70	23.16
<b>26 09 23 00-0356</b> Wall Box Transmitters For Radio Controlled Devices <small>(26 09 23 00-0318)</small>		
26 09 23 00-0357 EA On/Off Switched Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2BSW-WH).....	493.40	23.16
26 09 23 00-0358 EA Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-2B-WH).....	532.95	23.16
26 09 23 00-0359 EA Four Preset Lighting Level And Dimmable Lighting Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-5B-WH).....	532.95	23.16
26 09 23 00-0360 EA Open/Stop/Close Motorized Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C3LB-WH).....	532.95	23.16
26 09 23 00-0361 EA Up/Down Projection Screen Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-C2LB-WH).....	532.95	23.16
26 09 23 00-0362 EA Open/Stop/Close Sivoia QED Shade Controls, Wall Box Wireless Transmitter (Lutron RTA-WX-Q3LB-WH).....	532.95	23.16



**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 09 23 00-0363		<b>Interfaces For Radio Controlled Devices</b> (26 09 23 00-0318)			
26 09 23 00-0364	EA	Incandescent And Magnetic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-INC-2000) .....	493.40		23.16
26 09 23 00-0365	EA	Lutron Tu-Wire Ballast Interface For Radio Controlled Devices (Lutron FDI-INC-2000) .....	493.40		23.16
26 09 23 00-0366	EA	Electronic Low Voltage Lighting Interface For Radio Controlled Devices (Lutron FDI-ELV-1000) .....	493.40		23.16
26 09 23 00-0367	EA	Sivoia QED Controllable Window Treatments Contact Closure Interface For Radio Controlled Devices (Lutron SVQ-CCI-8) .....	995.65		23.16
26 09 23 00-0368	EA	RS-232 Interface For Radio Controlled Devices (Lutron RTA-RS232) .....	1,422.76		23.16
26 09 23 00-0369	EA	Switch Closure Input Interface For Radio Controlled (Lutron RTA-SCI) .....	1,422.76		23.16
26 09 23 00-0370		<b>Fluorescent Controllers For Radio Controlled Devices</b> (26 09 23 00-0318)			
26 09 23 00-0371	EA	On/Off Switched Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-SW) .....	631.82		23.16
26 09 23 00-0372	EA	Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F) .....	710.91		23.16
26 09 23 00-0373	EA	Switch Closures And Dimmable Fluorescent Controllers For Radio Controlled Devices (Lutron RTA-RX-F-SC) .....	829.55		23.16
26 09 23 00-0374		<b>AC Motor Group Controllers For Radio Controlled Devices</b> (26 09 23 00-0318)			
26 09 23 00-0375	EA	Up To Two Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-2M-GC) .....	928.42		23.16
26 09 23 00-0376	EA	Up To Four Motors, AC Motor Group Controllers For Radio Controlled Devices (Lutron WC-4M-GC) .....	1,274.46		23.16
26 09 23 00-0377		<b>Removal And Reinstallation Of Occupancy Sensors</b> (26 09 23)			
26 09 23 00-0378	EA	Removal And Reinstallation Of Ceiling Mounted Occupancy Sensor .....	104.25		
		Note: Includes storing and cleaning.			
26 09 23 00-0379	EA	Removal And Reinstallation Of Wall Mounted Occupancy Sensor .....	69.49		
		Note: Includes storing and cleaning.			
26 09 23 00-0380		<b>Occupancy Sensors (Watt Stopper)</b> (26 09 23)			
		Note: Includes testing of new devices and certification.			
26 09 23 00-0381		<b>Occupancy Sensors</b> (26 09 23 00-0380)			
		Note: Exclude boxes.			
26 09 23 00-0382		<b>Wall Switch Mounted Occupancy Sensors</b> (26 09 23 00-0381)			
26 09 23 00-0383		<b>Ultrasonic, Wall Switch Mounted Occupancy Sensors</b> (26 09 23 00-0382)			
26 09 23 00-0384	EA	Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-100) .....	143.82		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0385	EA	Dual Relay, Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper UW-200) .....	168.83		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0386		<b>Passive Infrared, Wall Switch Mounted Occupancy Sensors</b> (26 09 23 00-0382)			
26 09 23 00-0387	EA	Nightlight, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WN-100) .....	119.64		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0388	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WS) .....	112.06		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0389	EA	Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-100) .....	126.21		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0390	EA	Dual Relay, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper PW-200) .....	145.33		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0391	EA	Dimmable, Passive Infrared, Wall Switch Mounted Occupancy Sensor (Watt Stopper WD) .....	143.76		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0392		<b>Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensors</b> (26 09 23 00-0382)			
26 09 23 00-0393	EA	Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-100) .....	206.91		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0394	EA	Dual Relay, Passive Infrared And Ultrasonic, Wall Switch Mounted Occupancy Sensor (Watt Stopper DW-200) .....	222.73		15.44
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	9.27		
26 09 23 00-0395		<b>Wall Switch Mounted Occupancy Sensor Accessories</b> (26 09 23 00-0382)			
26 09 23 00-0396	EA	Single Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	9.23		3.86
26 09 23 00-0397	EA	One Side Blank, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	10.49		3.86
26 09 23 00-0398	EA	Switch Option, Double Gang, Plastic Switch Plate Cover For Occupancy Sensors (Watt Stopper ASP) .....	10.49		3.86
26 09 23 00-0399		<b>Ceiling Mounted Occupancy Sensors</b> (26 09 23 00-0381)			
26 09 23 00-0400		<b>Ultrasonic, Ceiling Mounted Occupancy Sensors</b> (26 09 23 00-0399)			
26 09 23 00-0401		<b>25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> (26 09 23 00-0400)			
26 09 23 00-0402	EA	500 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-500A) .....	194.68		34.75
26 09 23 00-0403	EA	1,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-1000A) .....	221.88		34.75
26 09 23 00-0404	EA	2,000 SF 360 Degree Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000A) .....	249.28		34.75
26 09 23 00-0405	EA	90 LF Hallway Coverage, 25 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper W-2000H) .....	246.81		34.75
26 09 23 00-0406		<b>32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors</b> (26 09 23 00-0400)			
26 09 23 00-0407	EA	600 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-605) .....	210.78		34.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0408	EA		1,100 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1105).....	238.37	34.75
26 09 23 00-0409	EA		2,205 SF 360 Degree Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2205).....	264.49	34.75
26 09 23 00-0410	EA		90 LF Hallway Coverage, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2255).....	268.92	34.75
26 09 23 00-0411	EA		600 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-600).....	227.27	34.75
26 09 23 00-0412	EA		1,100 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-1100).....	255.54	34.75
26 09 23 00-0413	EA		2,200 SF 360 Degree Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2200).....	283.71	34.75
26 09 23 00-0414	EA		90 LF Hallway Coverage, Isolated Relay, 32 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper WT-2250).....	291.82	34.75
<b>26 09 23 00-0415</b>			<b>40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0400)</b>		
26 09 23 00-0416	EA		500 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-1).....	218.75	34.75
26 09 23 00-0417	EA		1,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-2).....	251.71	34.75
26 09 23 00-0418	EA		2,000 SF 360 Degree Coverage, Isolated Relay, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-300-3).....	279.30	34.75
26 09 23 00-0419	EA		500 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-1).....	206.60	34.75
26 09 23 00-0420	EA		1,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-2).....	248.15	34.75
26 09 23 00-0421	EA		2,000 SF 360 Degree Coverage, Panel Integrating, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-305-3).....	261.60	34.75
26 09 23 00-0422	EA		500 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-1).....	220.46	34.75
26 09 23 00-0423	EA		1,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-2).....	244.38	34.75
26 09 23 00-0424	EA		2,000 SF 360 Degree Coverage, Line Voltage, 40 KHZ Ultrasonic, Ceiling Mounted Occupancy Sensor (Watt Stopper UT-355-3).....	273.91	34.75
<b>26 09 23 00-0425</b>			<b>Passive Infrared, Ceiling Mounted Occupancy Sensors (26 09 23 00-0399)</b>		
26 09 23 00-0426	EA		30 Segment, 5 Level Lens, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper WPIR).....	162.93	34.75
26 09 23 00-0427	EA		HVAC/BAS, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-12/24).....	166.14	34.75
26 09 23 00-0428	EA		Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-205).....	173.75	34.75
26 09 23 00-0429	EA		Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-355).....	194.16	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0430	EA		Low Profile, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-305).....	196.64	34.75
26 09 23 00-0431	EA		Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-200).....	207.32	34.75
26 09 23 00-0432	EA		Low Profile, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper CI-300).....	224.42	34.75
<b>26 09 23 00-0433</b>			<b>Passive Infrared And Ultrasonic, Ceiling Mounted Occupancy Sensors (26 09 23 00-0399)</b>		
26 09 23 00-0434	EA		1,000 SF 360 Degree Coverage, Line Voltage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-355).....	264.26	34.75
26 09 23 00-0435	EA		1,000 SF 360 Degree Coverage, Isolated Relay, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-300).....	300.43	34.75
26 09 23 00-0436	EA		1,000 SF 360 Degree Coverage, Passive Infrared, Ceiling Mounted Occupancy Sensor (Watt Stopper DT-305).....	256.58	34.75
<b>26 09 23 00-0437</b>			<b>Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0381)</b>		
<b>26 09 23 00-0438</b>			<b>Passive Infrared, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0437)</b>		
26 09 23 00-0439	EA		120 LF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100-1/3).....	322.11	34.75
26 09 23 00-0440	EA		2,000 SF Coverage, Low Temperature, Passive Infrared, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper CB-100).....	322.11	34.75
<b>26 09 23 00-0441</b>			<b>Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensors (26 09 23 00-0437)</b>		
26 09 23 00-0442	EA		2,000 SF Coverage, Passive Infrared And Ultrasonic, Ceiling/Wall Mounted Occupancy Sensor (Watt Stopper DT-200).....	300.43	34.75
<b>26 09 23 00-0443</b>			<b>Occupancy Sensor Power Packs (26 09 23 00-0380)</b>		
<b>26 09 23 00-0444</b>			<b>Single Voltage, Occupancy Sensor Power Packs (26 09 23 00-0443)</b>		
26 09 23 00-0445	EA		220 To 240 Volt AC, 20 Amperes, Occupancy Sensor Power Pack (Watt Stopper B230E-P).....	112.35	30.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 09 23 00-0446	EA		347 Volt AC, 15 Amperes, Occupancy Sensor Power Pack (Watt Stopper B347D-P).....	103.17	30.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
<b>26 09 23 00-0447</b>			<b>Auxiliary, Occupancy Sensor Power Packs (26 09 23 00-0443)</b>		
26 09 23 00-0448	EA		120, 277 Or 347 Volt AC, 20 Amperes, Auxiliary Occupancy Sensor Power Pack (Watt Stopper S120/277/347E-P).....	95.60	30.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
<b>26 09 23 00-0449</b>			<b>Universal Voltage, Power Packs For Occupancy Sensors (26 09 23 00-0443)</b>		

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0450	EA		120/277 Volt AC, 20 Amperes, Dual Voltage, Occupancy Sensor Power Pack (Watt Stopper BZ-100)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	123.30 18.53	30.89
<b>26 09 23 00-0451</b>			<b>Form C, Occupancy Sensor Power Packs</b> (26 09 23 00-0443)		
26 09 23 00-0452	EA		120 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A120C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.77 18.53	30.89
26 09 23 00-0453	EA		277 Volt AC, Form C, Occupancy Sensor Power Pack (Watt Stopper A277C-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.85 18.53	30.89
<b>26 09 23 00-0454</b>			<b>Two Relay, Occupancy Sensor Power Packs</b> (26 09 23 00-0443)		
26 09 23 00-0455	EA		120 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C120E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	139.40 18.53	30.89
26 09 23 00-0456	EA		277 Volt AC, Two Relay, Occupancy Sensor Power Pack (Watt Stopper C277E-P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	141.22 18.53	30.89
<b>26 09 23 00-0457</b>			<b>Occupancy Sensor Power Supplies</b> (26 09 23 00-0443)		
26 09 23 00-0458	EA		120 Volt AC, Occupancy Sensor Power Supply (Watt Stopper BZ-150)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	128.97 18.53	30.89
26 09 23 00-0459	EA		277 Volt AC, Occupancy Sensor Power Supply (Watt Stopper AT-277)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	274.02 18.53	30.89
<b>26 09 23 00-0460</b>			<b>Intelligent, Occupancy Sensor Power Packs</b> (26 09 23 00-0443)		
26 09 23 00-0461	EA		120/277 Volt AC, Two Relays, Two Dimming Channels, Intelligent Occupancy Sensor Power Pack (Watt Stopper LC-100).....	359.41	30.89
<b>26 09 23 00-0462</b>			<b>DIN Rail Mounted, Occupancy Sensor Power Packs</b> (26 09 23 00-0443)		
26 09 23 00-0463	EA		120/230/277 Volt AC, DIN Rail Mounted, Occupancy Sensor Power Pack (Watt Stopper BD-100).....	122.26	30.89
<b>26 09 23 00-0464</b>			<b>Occupancy Sensor Accessories</b> (26 09 23 00-0380)		
<b>26 09 23 00-0465</b>			<b>Protective Cages For Occupancy Sensors</b> (26 09 23 00-0464)		
26 09 23 00-0466	EA		Protective Cage For Occupancy Sensors (Watt Stopper WC).....	68.27	11.58
<b>26 09 23 00-0467</b>			<b>Mounting Brackets For Occupancy Sensors</b> (26 09 23 00-0464)		
26 09 23 00-0468	EA		Mounting Bracket For Occupancy Sensor (Watt Stopper MB)..... Note: Includes J-plate for mounting to HID fixtures or L-plate for mounting to fluorescent fixtures, walls, shelves and girders.	56.63	19.31
<b>26 09 23 00-0469</b>			<b>Occupancy/Lighting Logger</b> (26 09 23 00-0464)		
26 09 23 00-0470	EA		Note: Logs when a space is occupied/vacant and when lighting is on/off. Occupancy/Lighting Logger With Connector Cable (Watt Stopper IT-200).....	500.43	65.64
<b>26 09 23 00-0471</b>			<b>Digital Time Light Switches</b> (26 09 23 00-0380)		
26 09 23 00-0472	EA		Preset Time, Wall Switch Mounted, Digital Time Light Switch (Watt Stopper TS-400).....	108.48	15.44
<b>26 09 23 00-0473</b>			<b>Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor</b> (26 09 23 00-0380)		
26 09 23 00-0474	EA		Digital High/Low Passive Infrared Fixture Integrated Outdoor Sensor (Watt Stopper FSP-211).....	243.63	50.20
<b>26 09 23 00-0475</b>			<b>Occupancy Sensors (Sensor Switch)</b> (26 09 23)		
			Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0476</b>			<b>Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0475)		
			Note: Exclude boxes		
<b>26 09 23 00-0477</b>			<b>Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0476)		
<b>26 09 23 00-0478</b>			<b>Passive Infrared, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0477)		
26 09 23 00-0479	EA		Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD LV).....	228.63	15.44
26 09 23 00-0480	EA		Nightlight, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD NL)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	162.71 9.27	15.44
26 09 23 00-0481	EA		Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.46 9.27	15.44
26 09 23 00-0482	EA		Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD SA)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	155.46 9.27	15.44
26 09 23 00-0483	EA		2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD 2P)..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	195.67 9.27	15.44
26 09 23 00-0484	EA		Single Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS).....	195.67	15.44
26 09 23 00-0485	EA		2-Pole, Passive Infrared, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS 2P).....	236.88	15.44
26 09 23 00-0486	EA		Single Pole, Passive Infrared, Internally Powered, Wall Switch Mount Occupancy Sensor (Sensor Switch IPD).....	195.67	15.44

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0487	<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0477)</small> Note: Includes passive infrared and microphonics detection		
26 09 23 00-0488	EA Single Pole, Low Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT LV).....	294.54	15.44
26 09 23 00-0489	EA Nightlight, Line Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT NL) .....	228.63	15.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27	
26 09 23 00-0490	EA Single Pole, Line Voltage, Fully Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT) .....	223.70	15.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27	
26 09 23 00-0491	EA Single Pole, Line Voltage, Semi-Automatic, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT SA) .....	223.70	15.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27	
26 09 23 00-0492	EA 2-Pole, Line Voltage, Passive Infrared, Wall Switch Mount Occupancy Sensor (Sensor Switch WSD PDT 2P) .....	261.58	15.44
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27	
26 09 23 00-0493	EA Single Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT) .....	261.58	15.44
26 09 23 00-0494	EA 2-Pole, Dual Technology, Large Area, Wall Switch Mount Occupancy Sensor (Sensor Switch LWS PDT 2P).....	281.36	15.44
26 09 23 00-0495	<b>Wall Switch Mount Occupancy Sensor Accessories (Sensor Switch)</b> <small>(26 09 23 00-0477)</small>		
26 09 23 00-0496	EA One Blank, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX).....	20.90	3.86
26 09 23 00-0497	EA One Switch, 2-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX) .....	20.90	3.86
26 09 23 00-0498	EA Two Blanks, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS BPX 3) .....	40.68	3.86
26 09 23 00-0499	EA Two Switches, 3-Gang, Plastic Switch Plate Cover For Occupancy Sensors (Sensor Switch WS SPX 3).....	40.68	3.86
26 09 23 00-0500	<b>360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0476)</small>		
26 09 23 00-0501	<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0500)</small> Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0502	EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 9) .....	267.23	34.75
26 09 23 00-0503	EA Low Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 9) .....	267.23	34.75
26 09 23 00-0504	EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 9) .....	267.23	34.75
26 09 23 00-0505	EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9).....	283.70	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0506	EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9).....	283.70	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0507	EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9) .....	230.97	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0508	EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 9 2P).....	349.62	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0509	EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 9 2P).....	349.62	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0510	EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 9 2P).....	296.89	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0511	EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM 10) .....	267.23	34.75
26 09 23 00-0512	EA Low Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM 10) .....	267.23	34.75
26 09 23 00-0513	EA Low Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB 10) .....	267.23	34.75
26 09 23 00-0514	EA Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10).....	283.70	34.75
26 09 23 00-0515	EA Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10).....	283.70	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0516	EA Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10) .....	230.97	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0517	EA 2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR 10 2P).....	349.62	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0518	EA 2-Pole, Line Voltage, Passive Infrared, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR 10 2P).....	349.62	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0519	EA 2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB 10 2P) .....	296.89	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0520	<b>Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch)</b> <small>(26 09 23 00-0500)</small> Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0521	EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 9).....	333.14	34.75
26 09 23 00-0522	EA Low Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 9) .....	333.14	34.75
26 09 23 00-0523	EA Low Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 9).....	333.14	34.75



**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0524	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9).....	316.66	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0525	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9).....	316.66	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0526	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9).....	263.93	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0527	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 9 2P).....	382.57	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0528	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 9 2P).....	382.57	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0529	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 9 2P).....	329.84	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0530	EA		Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CM PDT 10).....	333.14	34.75
26 09 23 00-0531	EA		Low Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RM PDT 10).....	333.14	34.75
26 09 23 00-0532	EA		Low Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMB PDT 10).....	333.14	34.75
26 09 23 00-0533	EA		Single Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10).....	316.66	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0534	EA		Single Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10).....	316.66	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0535	EA		Single Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10).....	263.93	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0536	EA		2-Pole, Line Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMR PDT 10 2P).....	382.57	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0537	EA		2-Pole, Line Voltage, Dual Technology, Recessed Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch RMR PDT 10 2P).....	382.57	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0538	EA		2-Pole, Line Voltage, Dual Technology, Fixture (Box) Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch CMRB PDT 10 2P).....	329.84	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0539			<b>Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0476)		
26 09 23 00-0540			<b>Passive Infrared, Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0539)		
26 09 23 00-0541	EA		Low Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV 16).....	267.23	34.75
26 09 23 00-0542	EA		Low Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HW 13).....	300.18	34.75
26 09 23 00-0543	EA		Line Voltage, Passive Infrared, Wall Mount, Hallway Occupancy Sensor (Sensor Switch HWR 13).....	366.09	34.75
26 09 23 00-0544	EA		Single Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16).....	349.62	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0545	EA		2-Pole, Line Voltage, Passive Infrared, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR 16 2P).....	415.53	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0546			<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0539)		
			Note: Includes passive infrared and microphonics detection		
26 09 23 00-0547	EA		Low Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WV PDT 16).....	333.14	34.75
26 09 23 00-0548	EA		Single Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16).....	382.57	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0549	EA		2-Pole, Line Voltage, Dual Technology, Wall Mount, Wide View Occupancy Sensor (Sensor Switch WVR PDT 16 2P).....	448.48	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0550			<b>High Bay Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0476)		
26 09 23 00-0551			<b>Passive Infrared, High Bay Occupancy Sensors (Sensor Switch)</b> (26 09 23 00-0550)		
26 09 23 00-0552	EA		Low Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CM 6).....	267.23	34.75
26 09 23 00-0553	EA		Low Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RM 6).....	267.23	34.75
26 09 23 00-0554	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMB 6).....	267.23	34.75
26 09 23 00-0555	EA		Single Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6).....	230.97	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0556	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6).....	230.97	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0557	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6).....	230.97	34.75
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0558	EA		2-Pole, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 2P) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	296.89 20.85	34.75
26 09 23 00-0559	EA		2-Pole, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 2P) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	296.89 20.85	34.75
26 09 23 00-0560	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 2P) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	296.89 20.85	34.75
26 09 23 00-0561	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 208) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.04 20.85	34.75
26 09 23 00-0562	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 208) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.04 20.85	34.75
26 09 23 00-0563	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 208) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.04 20.85	34.75
26 09 23 00-0564	EA		480 Volt AC, Line Voltage, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMR 6 480) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.04 20.85	34.75
26 09 23 00-0565	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch RMR 6 480) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.04 20.85	34.75
26 09 23 00-0566	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch CMRB 6 480) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	254.04 20.85	34.75
26 09 23 00-0567	EA		Low Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 50) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.18 20.85	34.75
26 09 23 00-0568	EA		Low Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RM 50) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.18 20.85	34.75
26 09 23 00-0569	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMB 50) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.18 20.85	34.75
26 09 23 00-0570	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 50) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.80 20.85	34.75
26 09 23 00-0571	EA		Single Pole, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.80 20.85	34.75
26 09 23 00-0572	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.80 20.85	34.75
26 09 23 00-0573	EA		2-Pole, Line Voltage, Recessed Mount, Passive Infrared, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 2P) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.96 20.85	34.75
26 09 23 00-0574	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 2P) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	319.96 20.85	34.75
26 09 23 00-0575	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 208) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.52 20.85	34.75
26 09 23 00-0576	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 208) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.52 20.85	34.75
26 09 23 00-0577	EA		480 Volt AC, Line Voltage, Passive Infrared, Recessed Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch RMR 50 480) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.52 20.85	34.75
26 09 23 00-0578	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, Bi-Directional Aisle Way View, High Bay Occupancy Sensor (Sensor Switch CMRB 50 480) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	270.52 20.85	34.75
26 09 23 00-0579	EA		Low Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HM 10) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.18 20.85	34.75
26 09 23 00-0580	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMB 10) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	300.18 20.85	34.75
26 09 23 00-0581	EA		Single Pole, Line Voltage, Passive Infrared, Surface Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMR 10) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.80 20.85	34.75
26 09 23 00-0582	EA		Single Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	362.80 20.85	34.75
26 09 23 00-0583	EA		2-Pole, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 2P) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	349.62 20.85	34.75
26 09 23 00-0584	EA		480 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 480) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	316.66 20.85	34.75
26 09 23 00-0585	EA		208/240 Volt AC, Line Voltage, Passive Infrared, Fixture (Box) Mount, End Of Aisle Way View, High Bay Occupancy Sensor (Sensor Switch HMRB 10 208) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	316.66 20.85	34.75
26 09 23 00-0586	<b>Occupancy Sensor Power Packs (Sensor Switch) (26 09 23 00-0475)</b>				
26 09 23 00-0587	EA		Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.06 18.53	30.89
26 09 23 00-0588	EA		2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack With Relay Circuit Protection (Sensor Switch PP20 2P) ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	219.97 18.53	30.89

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 09 23 00-0589	EA Single Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Power Pack Without Relay Circuit Protection (Sensor Switch MP20).....	121.10	30.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 09 23 00-0590	EA 2-Pole, 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack Without Relay Circuit Protection (Sensor Switch MSP20).....	111.21	30.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 09 23 00-0591	EA 20 Amperes, 120/277 Volt AC, Occupancy Sensor Slave Pack (Sensor Switch SP20).....	144.17	30.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 09 23 00-0592	EA 120/277 Volt AC, High Intensity Discharge (HID) Power Pack With 20 Minute Start To High Override (Sensor Switch PP20 SH).....	226.56	30.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 09 23 00-0593	EA 120/277 Volt AC, 2-Pole, Power Pack With Alternating Relays (Sensor Switch PP 2PAR).....	226.56	30.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
26 09 23 00-0594	EA 120/277 Volt AC, Power Pack With Momentary Contacts For Latching Contactors Or Relays (Sensor Switch PP 2PM).....	226.56	30.89
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.53	
<b>26 09 23 00-0595</b>	<b>Daylighting Control (Sensor Switch) (26 09 23 00-0475)</b>		
26 09 23 00-0596	EA Low Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CM PC).....	234.27	34.75
26 09 23 00-0597	EA Low Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RM PC).....	234.27	34.75
26 09 23 00-0598	EA Low Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMB PC).....	234.27	34.75
26 09 23 00-0599	EA Line Voltage, Ceiling Mount, On-Off Switching Photocell (Sensor Switch CMR PC).....	234.27	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0600	EA Line Voltage, Recessed Mount, On-Off Switching Photocell (Sensor Switch RMR PC).....	234.27	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0601	EA Line Voltage, Fixture (Box) Mount, On-Off Switching Photocell (Sensor Switch CMRB PC).....	234.27	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0602	EA Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CM ADC).....	234.27	34.75
26 09 23 00-0603	EA Low Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RM ADC).....	234.27	34.75
26 09 23 00-0604	EA Low Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMB ADC).....	234.27	34.75
26 09 23 00-0605	EA Line Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch CMR ADC).....	234.27	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0606	EA Line Voltage, Recessed Mount, Automatic Dimming Control Photocell (Sensor Switch RMR ADC).....	234.27	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0607	EA Line Voltage, Fixture (Box) Mount, Automatic Dimming Control Photocell (Sensor Switch CMRB ADC).....	234.27	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0608	EA Low Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CM PC ADC).....	333.14	34.75
26 09 23 00-0609	EA Low Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RM PC ADC).....	333.14	34.75
26 09 23 00-0610	EA Low Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMB PC ADC).....	333.14	34.75
26 09 23 00-0611	EA Line Voltage, Ceiling Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMR PC ADC).....	333.14	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0612	EA Line Voltage, Recessed Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch RMR PC ADC).....	333.14	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
26 09 23 00-0613	EA Line Voltage, Fixture (Box) Mount, Combination On/Off And Dimming Control Photocell (Sensor Switch CMRB PC ADC).....	333.14	34.75
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20.85	
<b>26 09 23 00-0614</b>	<b>Occupancy Sensors (Sensor Switch nLight®) (26 09 23)</b>		
	Note: Includes testing of new devices and certification.		
<b>26 09 23 00-0615</b>	<b>Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0614)</b>		
	Note: Excludes boxes.		
<b>26 09 23 00-0616</b>	<b>Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0615)</b>		
<b>26 09 23 00-0617</b>	<b>Dual Technology, Wall Switch Mount Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0616)</b>		
	Note: Includes passive infrared and microphonics detection		
26 09 23 00-0618	EA Low Voltage, Dual Technology, Wall Switch Mount Occupancy Sensor With Raise/Lower Dim Control (Sensor Switch nLight® nWSX PDT LV DX).....	352.65	15.44
<b>26 09 23 00-0619</b>	<b>360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0615)</b>		
<b>26 09 23 00-0620</b>	<b>Passive Infrared, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0619)</b>		
	Note: One photocell or dimming option per occupancy sensor		
26 09 23 00-0621	EA Low Voltage, Passive Infrared, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 9).....	423.06	34.75
26 09 23 00-0622	EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM 10).....	423.06	34.75
26 09 23 00-0623	EA Low Voltage, Passive Infrared, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor With Auto Dimming Control Photocell (Sensor Switch nLight® nCM 10 ADC).....	423.06	34.75
<b>26 09 23 00-0624</b>	<b>Dual Technology, 360 Degree View Occupancy Sensors (Sensor Switch nLight®) (26 09 23 00-0619)</b>		
	Note: One photocell or dimming option per occupancy sensor. Includes passive infrared and microphonics detection		
26 09 23 00-0625	EA Low Voltage, Dual Technology, Ceiling Mount, Standard Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 9).....	493.78	34.75
26 09 23 00-0626	EA Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10).....	493.78	34.75

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 09 23 00-0627	EA		2-Channel, Low Voltage, Dual Technology, Ceiling Mount, Extended Range, 360 Degree View Occupancy Sensor (Sensor Switch nLight® nCM PDT 10 2P).....	511.43	34.75
26 09 23 00-0628			<b>Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0615)		
26 09 23 00-0629			<b>Dual Technology, Wide View And Hallway Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0628) Note: Includes passive infrared and microphonics detection		
26 09 23 00-0630	EA		Low Voltage, Dual Technology, Corner/Ceiling Mount, Wide View Occupancy Sensor (Sensor Switch nLight® nWV PDT 16) .....	493.78	34.75
26 09 23 00-0631			<b>High Bay Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0615)		
26 09 23 00-0632			<b>Passive Infrared, High Bay Occupancy Sensors (Sensor Switch nLight®)</b> (26 09 23 00-0631)		
26 09 23 00-0633	EA		Low Voltage, Passive Infrared, Fixture (Box) Mount, 360 Degree View, High Bay Occupancy Sensor (Sensor Switch nLight® nCMB 6) .....	423.06	34.75
26 09 23 00-0634			<b>Occupancy Sensor Power Packs (Sensor Switch nLight®)</b> (26 09 23 00-0614)		
26 09 23 00-0635	EA		150mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-150).....	150.17	30.89
26 09 23 00-0636	EA		250mA At 15 Volt DC Output, 120-277 Volt AC Input, Standard Power Supply (Sensor Switch nLight® PS-250).....	185.56	30.89
26 09 23 00-0637	EA		30mA/Port At 15 Volt DC Output, 120-277 Volt AC Input, Dimming Power Pack (Sensor Switch nLight® nEPP5 D KO).....	245.64	30.89
26 09 23 00-0638	EA		System Power Pack and Relay, Switching Module (Sensor Switch nLight® nPP 16) .....	245.64	30.89
26 09 23 00-0639			<b>Occupancy Sensor Accessories (Sensor Switch nLight®)</b> (26 09 23 00-0614)		
26 09 23 00-0640	EA		RS232 AV Integrator (Sensor Switch nLight® nIO X).....	511.43	34.75
26 09 23 00-0641	EA		8 Port, Aggregation Bridge With Power Supply (Sensor Switch nLight® nBRG 8 KIT) .....	414.00	34.75
26 09 23 00-0642			<b>Daylighting Controls (Sensor Switch nLight®)</b> (26 09 23 00-0614)		
26 09 23 00-0643	EA		Low Voltage, Ceiling Mount, Automatic Dimming Control Photocell (Sensor Switch nLight® nCM ADC) .....	352.35	34.75
26 09 23 00-0644			<b>Controls (Sensor Switch nLight®)</b> (26 09 23 00-0614)		
26 09 23 00-0645	EA		On/Off And Raise/Lower Control, Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM DX).....	235.67	34.75
26 09 23 00-0646	EA		1 Scene Controller (2 Buttons), Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM 1SB).....	334.70	34.75
26 09 23 00-0647	EA		On/Off Push Button Digital Wall Switch, WallPod® Station (Sensor Switch nLight® nPODM).....	758.96	34.75
26 09 23 00-0648	EA		3-1/2" Screen, High Resolution Touch Screen Controller, WallPod® Station (Sensor Switch nLight® nPOD GFX) .....	758.96	34.75
26 09 23 00-0649	EA		3-1/2" Screen, Touch Screen Clock And Network Interface Controller, Gateway (Sensor Switch nLight® nGWY2).....	2,809.67	34.75
26 09 23 00-0650			<b>Occupancy Sensors (Lutron)</b> (26 09 23) Note: Includes testing of new devices and certification.		
26 09 23 00-0651			<b>Wireless Occupancy Sensors</b> (26 09 23 00-0650)		
26 09 23 00-0652	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Occupancy/Vacancy Sensor (Lutron® LRF2-OCR2B-P-WH).....	178.28	34.75
26 09 23 00-0653	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View Vacancy Sensor (Lutron® LRF2-VCR2B-P-WH).....	185.59	34.75
26 09 23 00-0654	EA		Wireless, Passive Infrared, Hallway Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OHLB-P-WH) .....	180.01	34.75
26 09 23 00-0655	EA		Wireless, Passive Infrared, Hallway Wall Mount, Vacancy Sensor (Lutron® LRF2-VHLB-P-WH).....	189.68	34.75
26 09 23 00-0656	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OKLB-P-WH) .....	182.18	34.75
26 09 23 00-0657	EA		Wireless, Passive Infrared, 90 Degree Corner Mount, Vacancy Sensor (Lutron® LRF2-VKLB-P-WH).....	189.68	34.75
26 09 23 00-0658	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Occupancy/Vacancy Sensor (Lutron® LRF2-OWLB-P-WH) .....	178.28	34.75
26 09 23 00-0659	EA		Wireless, Passive Infrared, 180 Degree Wall Mount, Vacancy Sensor (Lutron® LRF2-VWLB-P-WH).....	182.18	34.75
26 09 23 00-0660	EA		Wireless, Passive Infrared, Ceiling Mount, 360 Degree View, High Bay Occupancy Sensor (Lutron® FHB140NP24V).....	180.01	34.75
26 09 23 00-0661	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-500-WH) .....	271.05	34.75
26 09 23 00-0662	EA		Wireless, Dual Technology, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-500R-WH).....	288.39	34.75
26 09 23 00-0663	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CDT-1000-WH) .....	327.40	34.75
26 09 23 00-0664	EA		Wireless, Dual Technology, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-1000R-WH).....	344.74	34.75
26 09 23 00-0665	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CDT-2000-WH) .....	353.41	34.75
26 09 23 00-0666	EA		Wireless, Dual Technology, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor With Relay (Lutron® LOS-CDT-2000R-WH).....	370.75	34.75
26 09 23 00-0667	EA		Wireless, Passive Infrared, Ceiling Mount, 450 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-450-WH) .....	216.43	34.75
26 09 23 00-0668	EA		Wireless, Passive Infrared, Ceiling Mount, 1,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CIR-1500-WH) .....	227.70	34.75
26 09 23 00-0669	EA		Wireless, Ultrasonic, Ceiling Mount, 500 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-500-WH) .....	264.54	34.75
26 09 23 00-0670	EA		Wireless, Ultrasonic, Ceiling Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-CUS-1000-WH) .....	292.72	34.75
26 09 23 00-0671	EA		Wireless, Ultrasonic, Ceiling Mount, 2,000 SF Coverage, 360 Degree View Occupancy Sensor (Lutron® LOS-CUS-2000-WH) .....	314.40	34.75

**26 Electrical****26 09 Instrumentation and Control for Electrical Systems****26 09 23 Lighting Control Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0672	EA		Wireless, Passive Infrared, 1,600 SF Coverage, 110 Degree Wall Mount, Occupancy Sensor (Lutron® LOS-WIR-WH) .....	273.21	34.75
26 09 23 00-0673	EA		Wireless, Passive Infrared, RF Daylight Sensor (Lutron® LRF2-DCRB-WH).....	252.17	34.75
26 09 23 00-0674	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor (Lutron® LOS-SIR-HD-WH).....	212.99	34.75
26 09 23 00-0675	EA		Wireless, Dual Technology, Wall Mount, 1,000 SF Coverage, 180 Degree View Occupancy Sensor, Dual Circuit (Lutron® LOS-S2IR-HD-WH).....	259.19	34.75
26 09 23 00-0676	EA		Wireless, Switch and Ceiling Retrofit Sensor (Lutron® MRF2-1S8A-10C) .....	311.95	34.75
26 09 23 00-0677	EA		Wireless, Switch and Hallway Retrofit Sensor (Lutron® MRF2-1S8A-10H).....	330.30	34.75
26 09 23 00-0678	EA		Wireless, Switch and Corner Retrofit Sensor (Lutron® MRF2-1S8A-10K) .....	330.30	34.75
26 09 23 00-0679	EA		Wireless, Switch and Wall Retrofit Sensor (Lutron® MRF2-1S8A-10W) .....	330.30	34.75
26 09 23 00-0680	EA		Wireless, Switch and Vacancy Retrofit Sensor (Lutron® MRF2-1S8A-10V).....	347.13	34.75
26 09 23 00-0681	EA		Wireless, Two Switchs and Wall Retrofit Sensor (Lutron® MRF2-2S8A-10W).....	560.82	50.20

**26 09 23 00-0682 Nodes And Modules** (26 09 23 00-0650)

26 09 23 00-0683	EA		0 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-C) .....	281.88	34.75
26 09 23 00-0684	EA		0 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-XW-J).....	281.88	34.75
26 09 23 00-0685	EA		4 Wired Inputs, Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-C) .....	353.41	34.75
26 09 23 00-0686	EA		4 Wired Inputs, Junction Box Ceiling Mount, QS Sensor Module (Lutron® QSM2-4W-J) .....	353.41	34.75
26 09 23 00-0687	EA		120 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PPHM-3F-120-WH).....	450.01	38.61
26 09 23 00-0688	EA		120 Volt, Gang Box Mount, Switching Power Module (Lutron® PPHM-SW-DV-WH).....	450.01	38.61
26 09 23 00-0689	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PPHM-PA-120-WH) .....	543.21	38.61
26 09 23 00-0690	EA		120 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PPHM-WBX-120-WH) .....	556.22	38.61
26 09 23 00-0691	EA		120/277 Volt, Gang Box Mount, 3-Wire Fluorescent Power Module (Lutron® PPHM-3F-DV-WH).....	684.10	38.61
26 09 23 00-0692	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module (Lutron® PPHM-PA-DV-WH) .....	725.29	38.61
26 09 23 00-0693	EA		120/277 Volt, Gang Box Mount, Phase Adaptive Power Module With 3-Wire Fluorescent Input (Lutron® PPHM-WBX-DV-WH).....	766.47	38.61
26 09 23 00-0694	EA		1 Circuit, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-2).....	2,058.06	61.78
26 09 23 00-0695	EA		2 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-4) .....	2,024.74	69.49
26 09 23 00-0696	EA		3 Circuits, Surface Mount, HP Hi-Power Dimming Module System (Lutron® HP-6).....	2,961.37	77.22

**26 09 23 00-0697 Other Accessories** (26 09 23 00-0650)

26 09 23 00-0698	EA		Pico® Wireless Control Wallplate Adapter (Lutron® PJ) .....	49.62	
26 09 23 00-0699	EA		Pico® Wireless Control (Lutron® PJ) .....	56.53	
26 09 23 00-0700	EA		4-Scene Wireless Remote Control (Lutron® GRX-IT-WH) .....	167.14	
26 09 23 00-0701	EA		8-Scene Wireless Remote Control (Lutron® GRX-8IT-WH) .....	316.70	
26 09 23 00-0702	EA		4 Button, EcoSystem® Wall Control With Raise/Lower (Lutron® CC-4BRL).....	340.91	34.75
26 09 23 00-0703	EA		seeTouch® QS Wallstation (Lutron® QSWS2).....	428.76	34.75
26 09 23 00-0704	EA		seeTouch® QS Wallstation With Infrared Receiver (Lutron® QSWS2).....	428.76	34.75
26 09 23 00-0705	EA		120/277 Volt, Energi Savr Node™ With Softswitch®, Fixture Controller (Lutron® QSN-4S16-S) .....	697.11	38.61
26 09 23 00-0706	EA		120/277 Volt, Energi Savr Node™ For 0-10 V Models, Fixture Controller (Lutron® QSN-4T16-S) .....	950.71	38.61
26 09 23 00-0707	EA		Control Interface (Lutron® QSE-CI-NWK-E).....	1,140.22	34.75
26 09 23 00-0708	EA		1 EcoSystem® Digital Link, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-1ECO-S).....	1,131.57	34.75
26 09 23 00-0709	EA		2 EcoSystem® Digital Links, Energi Savr Node™, Digital Fixture Controller (Lutron® QSN-2ECO-S) .....	1,510.89	34.75
26 09 23 00-0710	MLF		5 Conductor, Non-Plenum, Low Voltage Grafik Eye Cable (Lutron® GRX-CBL-346S) .....	2,808.26	1,079.01
26 09 23 00-0711	MLF		5 Conductor, Plenum Rated, Low Voltage Grafik Eye Cable (Lutron® GRX-PCBL-346S).....	3,675.27	1,079.01

**26 09 23 00-0712 Fixture Mounted Occupancy Sensors (Leviton)** (26 09 23)

Note: Includes testing of new devices and certification.

26 09 23 00-0713	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-ITW).....	171.34	34.75
26 09 23 00-0714	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, High Bay Occupancy Sensor (Leviton® OSFHU-14W).....	151.40	34.75
26 09 23 00-0715	EA		120-347 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-CTW).....	187.81	34.75
26 09 23 00-0716	EA		480 Volt, Passive Infrared, Fixture Mount, 360 Degree View, Cold Storage Occupancy Sensor (Leviton® OSFHU-C4W) .....	151.40	34.75
26 09 23 00-0717	EA		120-347 Volt, Dual Detection Occupancy Wall Sensor Switch (Lithonia WSX-PDT).....	237.48	15.41

**26 09 23 00-0718 Wireless Enabled Communication Devices For Streetlights** (26 09 23)

Note: Includes testing of new devices and certification.

**26 09 23 00-0719 Wireless Enabled Communication Nodes For Streetlights (Roam®)** (26 09 23 00-0718)

26 09 23 00-0720	EA		120/244/277 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN127 NM1).....	359.81	
26 09 23 00-0721	EA		480 Voltage, Wireless Enabled Communication Node For Streetlights (Roam® REN480 NM1).....	501.23	

**26 09 23 00-0722 Wireless Enabled Communication Devices For Streetlights (Roam®)** (26 09 23 00-0718)

26 09 23 00-0723	EA		Retrofit Receptacle Kit (Roam® DUR103).....	66.36	
26 09 23 00-0724	EA		Wireless Enabled Backbone And Data Backhaul Device, Gateway (Roam® REG127) .....	14,309.14	83.16

**26 09 23 00-0725 Emergency Lighting Controls** (26 09 23)**26 09 23 00-0726 Emergency Lighting Control Units (Watt Stopper ELCU)** (26 09 23 00-0725)

Note: The ELCU monitors a single circuit and can be wired either as a control device, so that emergency lighting follows the control of normal lighting, or as a bypass device to shunt emergency power around a control device when normal power fails. Includes integral push-to-test button and LED indicator for emergency and normal power.



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 09 23 00-0727	EA		DIN Rail Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-100).....	251.48	38.61
26 09 23 00-0728	EA		1/2" Knockout Mount, Emergency Lighting Control/Bypass Shunt Unit (Watt Stopper ELCU-200).....	251.48	38.61

**26 09 23 00-0729**

**Emergency Shunt Relays (Lighting Control & Design GR 2001™)** (26 09 23 00-0725)

Note: Normally-closed, electrically-held relay to be wired in parallel with a wall switch. Manually controlled emergency lighting will be automatically shunted on during a power outage. Includes two-gang NEMA 1 junction box, voltage-separating barrier and plaster ring separating normal and emergency power. Excludes wall plate and switch.

26 09 23 00-0730	EA		1 Emergency Shunt Relay And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	427.51	54.05
26 09 23 00-0731	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™).....	579.68	61.78
26 09 23 00-0732	EA		2 Emergency Shunt Relays And NEMA 1 Enclosure (Lighting Control & Design GR 2001™ Dual).....	777.78	69.49

Note: Controls normal and emergency lighting from single-pole wall switch.

**26 09 23 00-0733**

**Photocells** (26 09 23)

26 09 23 00-0734	EA		Plug-In Photocell For Lighting Fixtures (Intermac® LC2000).....	112.91	
26 09 23 00-0735	EA		Wired Photocell For Lighting Fixtures (Intermac® K4021C).....	269.30	

**26 09 23 00-0736**

**Outdoor Lighting Motion Sensors** (26 09 23)

26 09 23 00-0737	EA		70' Range, 180 Degree Detection Zone, 8 Amperes, Switching Capacity, Polycarbonate Housing, Outdoor Motion Sensor (Lithonia OMS 1000).....	145.84	38.61
26 09 23 00-0738	EA		70' Range, 200 Degree Detection Zone, 10 Amperes, Switching Capacity, Cast Aluminum Housing, Outdoor Motion Sensor (Lithonia OMS 2000).....	158.28	38.61
26 09 23 00-0739	EA		30' Range, 360 Degree Detection Zone, Line Voltage, Plastic Housing, IP66 Rated, Outdoor Motion Sensor With Photocell (SensorSwitch SBOR).....	620.19	38.61

*For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add* 23.17

**26 09 23 00-0740**

**Street Light Controls** (26 09 23)

**26 09 23 00-0741**

**Photo Controls** (26 09 23 00-0740)

26 09 23 00-0742	EA		Photo Control, 120 Volt As Manufactured By Cooper Lighting #RA1014.....	107.01	
26 09 23 00-0743	EA		Photo Control, Multi-Tap As Manufactured By Cooper Lighting #RA1016.....	117.75	

**26 09 23 00-0744**

**Connector Node** (26 09 23 00-0740)

26 09 23 00-0745	EA		Outdoor Lighting Connector Node (Philips City Touch LLC7260).....	557.64	4.28
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**26 10 Medium-Voltage Electrical Distribution** (26)

**26 11 Substations** (26 10)

**26 11 13 Primary Unit Substations** (26 11)

**26 11 13 00-0001 "Switchyard" Substation Primary Incoming Section** (26 11 13)

**26 11 13 00-0002 Outdoor Oil Circuit Breakers "Switchyard"** (26 11 13 00-0001)

Note: Type SP 14.4 thru 69 KV 1200 amp. Frame mounted. Standard equipment

26 11 13 00-0003	EA		14.4 KV, 500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	71,971.63	2,666.45
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,627.32	
26 11 13 00-0004	EA		23.0 KV, 750 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	88,300.85	3,372.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,034.15	
26 11 13 00-0005	EA		34.5 KV, 1,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	99,946.61	3,372.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,034.15	
26 11 13 00-0006	EA		46 KV, 2,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	114,873.43	3,372.27
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,169.76	
26 11 13 00-0007	EA		69 KV, 3,500 MVA, Outdoor Oil Circuit Breaker Type SP, 1,200 Amperes, "Switchyard" Substation.....	130,338.25	4,156.53
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,503.57	

**26 11 13 00-0008 Accessories For Outdoor Oil Circuit Breakers** (26 11 13 00-0001)

26 11 13 00-0009	EA		Reclosure Relay, Adjustable, 3 Shot, #179.....	2,012.91	281.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.77	
26 11 13 00-0010	EA		Overcurrent Relay, 1 Phase, #51/51N.....	656.56	204.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.23	
26 11 13 00-0011	EA		Directional Overcurrent Relay, Three-Phase, Device No. 67.....	974.73	204.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	138.59	
26 11 13 00-0012	EA		Voltage Relay, Under Or Over- Voltage, Device No. 27 Or 59, Three-Phase.....	771.44	204.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	111.23	
26 11 13 00-0013	EA		Differential Relay Package, Complete, Device No. 87.....	2,886.03	690.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	416.66	

**26 11 13 00-0014 "Switchyard", Substation Transformer Section** (26 11 13)

Note: Standard NEMA design two winding three phase, 60 Hz. oil filled load tap changer 10% Range

**26 11 13 00-0015 14.4 KV Nominal Primary** (26 11 13 00-0014)



**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0016	EA		1,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	41,673.30	2,666.45
			<i>For 50 Hz Operation, Add</i>	4,349.87	
			<i>For Forced Air Cooling, Add</i>	4,349.87	
			<i>For External Control Panel, Add</i>	1,087.47	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	362.49	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,812.45	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	4,531.11	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	5,437.34	
26 11 13 00-0017	EA		2,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	47,703.98	3,340.90
			<i>For 50 Hz Operation, Add</i>	4,910.82	
			<i>For Forced Air Cooling, Add</i>	4,910.82	
			<i>For External Control Panel, Add</i>	1,227.70	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	409.23	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,046.17	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	5,115.44	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	6,138.52	
26 11 13 00-0018	EA		5,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	73,322.31	4,705.50
			<i>For 50 Hz Operation, Add</i>	7,641.47	
			<i>For Forced Air Cooling, Add</i>	7,641.47	
			<i>For External Control Panel, Add</i>	1,910.37	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	636.79	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	3,183.95	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	7,959.87	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	9,551.84	
26 11 13 00-0019	EA		7,500 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	105,968.22	5,595.38
			<i>For 50 Hz Operation, Add</i>	11,267.97	
			<i>For Forced Air Cooling, Add</i>	11,267.97	
			<i>For External Control Panel, Add</i>	2,816.99	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	939.00	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	4,694.99	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	11,737.47	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	14,084.96	
26 11 13 00-0020	EA		10,000 KVA, 14.4 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	130,571.57	7,241.07
			<i>For 50 Hz Operation, Add</i>	13,858.32	
			<i>For Forced Air Cooling, Add</i>	13,858.32	
			<i>For External Control Panel, Add</i>	3,464.58	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	1,154.86	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	5,774.30	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	14,435.75	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	17,322.90	
<b>26 11 13 00-0021</b>			<b>23 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		
26 11 13 00-0022	EA		1,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	46,655.19	3,607.55
			<i>For 50 Hz Operation, Add</i>	4,784.96	
			<i>For External Control Panel, Add</i>	1,196.24	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	398.75	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	1,993.74	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	4,984.34	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	5,981.21	
			<i>For Forced Air Cooling, Add</i>	3,189.98	
26 11 13 00-0023	EA		2,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	53,309.12	3,607.55
			<i>For 50 Hz Operation, Add</i>	5,414.56	
			<i>For External Control Panel, Add</i>	1,353.64	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	451.21	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	2,256.07	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	5,640.17	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	6,768.20	
			<i>For Forced Air Cooling, Add</i>	3,609.71	
26 11 13 00-0024	EA		5,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	85,320.83	5,332.89
			<i>For 50 Hz Operation, Add</i>	8,936.64	
			<i>For External Control Panel, Add</i>	2,234.16	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	744.72	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	3,723.60	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	9,309.01	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	11,170.81	
			<i>For Forced Air Cooling, Add</i>	5,957.76	
26 11 13 00-0025	EA		7,500 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	114,381.94	7,241.07
			<i>For 50 Hz Operation, Add</i>	11,915.56	
			<i>For External Control Panel, Add</i>	2,978.89	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	992.96	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	4,964.82	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	12,412.05	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	14,894.46	
			<i>For Forced Air Cooling, Add</i>	7,943.71	
26 11 13 00-0026	EA		10,000 KVA, 23 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	141,364.69	7,241.07
			<i>For 50 Hz Operation, Add</i>	15,153.49	
			<i>For External Control Panel, Add</i>	3,788.37	
			<i>For Internally Mounted Current Transformers And Linear Couplers, Add</i>	1,262.79	
			<i>For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add</i>	6,313.96	
			<i>For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add</i>	15,784.89	
			<i>For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add</i>	18,941.87	
			<i>For Forced Air Cooling, Add</i>	10,102.33	
<b>26 11 13 00-0027</b>			<b>34.5 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0028	EA		1,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	58,555.77	4,313.38
			For 50 Hz Operation, Add	6,044.16	
			For External Control Panel, Add	1,511.04	
			For Internally Mounted Current Transformers And Linear Couplers, Add	503.68	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	2,518.40	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	6,296.00	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	7,555.20	
			For Forced Air Cooling, Add	4,029.44	
26 11 13 00-0029	EA		2,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	70,723.82	6,744.55
			For 50 Hz Operation, Add	7,303.35	
			For External Control Panel, Add	1,825.84	
			For Internally Mounted Current Transformers And Linear Couplers, Add	608.61	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,043.06	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	7,607.66	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	9,129.19	
			For Forced Air Cooling, Add	4,868.90	
26 11 13 00-0030	EA		5,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	97,747.38	6,744.55
			For 50 Hz Operation, Add	10,102.37	
			For External Control Panel, Add	2,525.59	
			For Internally Mounted Current Transformers And Linear Couplers, Add	841.86	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,209.32	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	10,523.30	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	12,627.96	
			For Forced Air Cooling, Add	6,734.91	
26 11 13 00-0031	EA		7,500 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	125,174.97	7,076.50
			For 50 Hz Operation, Add	13,210.73	
			For External Control Panel, Add	3,302.68	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,100.89	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,504.47	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	13,761.18	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	16,513.41	
			For Forced Air Cooling, Add	8,807.15	
26 11 13 00-0032	EA		10,000 KVA, 34.5 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	215,743.82	9,051.34
			For 50 Hz Operation, Add	23,572.11	
			For External Control Panel, Add	5,893.03	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,964.34	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	9,821.71	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	24,554.29	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	29,465.14	
			For Forced Air Cooling, Add	15,714.74	
<b>26 11 13 00-0033 46 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>					
26 11 13 00-0034	EA		1,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	89,541.63	5,019.19
			For 50 Hz Operation, Add	9,561.49	
			For External Control Panel, Add	2,390.37	
			For Internally Mounted Current Transformers And Linear Couplers, Add	796.79	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	3,983.96	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	9,959.89	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	11,951.87	
			For Forced Air Cooling, Add	6,374.33	
26 11 13 00-0035	EA		2,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	101,182.21	5,019.19
			For 50 Hz Operation, Add	10,840.01	
			For External Control Panel, Add	2,710.00	
			For Internally Mounted Current Transformers And Linear Couplers, Add	903.33	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	4,516.67	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	11,291.68	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	13,550.01	
			For Forced Air Cooling, Add	7,226.67	
26 11 13 00-0036	EA		5,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	140,023.97	6,744.55
			For 50 Hz Operation, Add	15,175.56	
			For External Control Panel, Add	3,793.89	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,264.63	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,323.15	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	15,807.87	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	18,969.45	
			For Forced Air Cooling, Add	10,117.04	
26 11 13 00-0037	EA		7,500 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	171,269.64	9,051.34
			For 50 Hz Operation, Add	18,235.21	
			For External Control Panel, Add	4,558.80	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,519.60	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	7,598.01	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	18,995.01	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	22,794.02	
			For Forced Air Cooling, Add	12,156.81	
26 11 13 00-0038	EA		10,000 KVA, 46 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled	242,793.43	9,051.34
			For 50 Hz Operation, Add	26,818.07	
			For External Control Panel, Add	6,704.52	
			For Internally Mounted Current Transformers And Linear Couplers, Add	2,234.84	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	11,174.19	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	27,935.49	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	33,522.58	
			For Forced Air Cooling, Add	17,878.71	
<b>26 11 13 00-0039 69 KV Nominal Primary</b> <small>(26 11 13 00-0014)</small>					

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 11 Substations**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 13 00-0040	EA		1,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	128,579.03	5,332.89
			For 50 Hz Operation, Add	14,127.63	
			For External Control Panel, Add	3,531.91	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,177.30	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	5,886.51	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	14,716.28	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	17,659.54	
			For Forced Air Cooling, Add	9,418.42	
26 11 13 00-0041	EA		2,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	147,781.21	6,744.55
			For 50 Hz Operation, Add	16,106.43	
			For External Control Panel, Add	4,026.61	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,342.20	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	6,711.01	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	16,777.53	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	20,133.03	
			For Forced Air Cooling, Add	10,737.62	
26 11 13 00-0042	EA		5,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	202,617.07	6,744.55
			For 50 Hz Operation, Add	22,686.73	
			For External Control Panel, Add	5,671.68	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,890.56	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	9,452.80	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	23,632.01	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	28,358.41	
			For Forced Air Cooling, Add	15,124.49	
26 11 13 00-0043	EA		7,500 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	214,959.01	9,051.34
			For 50 Hz Operation, Add	23,477.94	
			For External Control Panel, Add	5,869.48	
			For Internally Mounted Current Transformers And Linear Couplers, Add	1,956.49	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	9,782.47	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	24,456.18	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	29,347.42	
			For Forced Air Cooling, Add	15,651.96	
26 11 13 00-0044	EA		10,000 KVA, 69 KV Primary, Substation Switchyard, 2 Winding, 3 Phase, Oil Filled .....	281,006.29	9,051.34
			For 50 Hz Operation, Add	31,403.61	
			For External Control Panel, Add	7,850.90	
			For Internally Mounted Current Transformers And Linear Couplers, Add	2,616.97	
			For Lightning Arrester On 15 kV Transformer Station Type And Mounting, Add	13,084.84	
			For Lightning Arrester On 34.5 kV Transformer Station Type And Mounting, Add	32,712.09	
			For Lightning Arrester On 69 kV Transformer Station Type And Mounting, Add	39,254.51	
			For Forced Air Cooling, Add	20,935.74	
<b>26 11 13 00-0045</b>			<b>Circuit Breakers Fluarc SF6 13.8 KV</b> <small>(26 11 13)</small>		
26 11 13 00-0046	EA		1,200 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	76,589.38	1,246.73
26 11 13 00-0047	EA		1,200 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	84,078.07	1,246.73
26 11 13 00-0048	EA		1,200 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	95,738.54	1,548.64
26 11 13 00-0049	EA		2,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	89,567.59	1,862.17
26 11 13 00-0050	EA		2,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	100,880.84	1,862.17
26 11 13 00-0051	EA		2,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	115,094.07	2,163.43
26 11 13 00-0052	EA		3,000 Amperes, 500 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	118,675.09	2,471.72
26 11 13 00-0053	EA		3,000 Amperes, 750 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	132,760.74	2,471.72
26 11 13 00-0054	EA		3,000 Amperes, 1,000 MVA, Fluarc Breaker, 13.8 KV Substation, Secondary Distribution Section .....	139,170.66	2,775.76
<b>26 11 16</b>			<b>Secondary Unit Substations</b> <small>(26 11)</small>		
<b>26 11 16 11</b>			<b>Secondary Unit Substations with Switchgear Secondary</b> <small>(26 11 16)</small>		
26 11 16 11-0001			Substation Primary Incoming Section <small>(26 11 16 11)</small>		
26 11 16 11-0002			Manual Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small> Note: 15 KV 600 Amp 3 pole 2 position floor mounted. Type, metal compartment includes weatherproofing, fuses, transformer throat, pothead terminations thru 500 MCM, with surge protection. Manual transferring of one line to an alternate incoming line.		
26 11 16 11-0003	EA		112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position .....	39,557.58	1,830.78
26 11 16 11-0004	EA		2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position .....	45,560.09	1,830.78
26 11 16 11-0005			Automatic Transferring Fused Load Break Switches <small>(26 11 16 11-0001)</small> Note: Items are equipped with 3 pole - 2 position selector switch for automatic transferring one line to an alternate incoming line.		
26 11 16 11-0006	EA		112.5 Thru 1,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch .....	55,861.19	1,830.78
26 11 16 11-0007	EA		2,000 And 2,500 KVA Transformers Load Switch, 600 Amperes, 3 Pole, 2 Position Selector Switch .....	59,767.67	1,830.78
26 11 16 11-0008			Accessories For Substation Fused Load Break Switches <small>(26 11 16 11-0001)</small>		
26 11 16 11-0009	EA		Primary Lightning Arrestors Accessories, Secondary Distribution Section .....	24,282.11	
26 11 16 11-0010	EA		Key Interlock Accessories, Secondary Distribution Section .....	2,363.55	
26 11 16 11-0011			Oil Filled Substation Transformers <small>(26 11 16 11)</small> Note: 112-1/2 KVA thru 2500 KVA standard NEMA design 3 phase cover mounted manual tap changer, liquid level gauge with alarm contacts, thermometer with alarm contacts, pressure vacuum gauge, automatic control for auxiliary cooling equipment. Weatherproof.		
26 11 16 11-0012			Substation, Primary 13.8 KV Secondary 480Y/277 Or 480 Volt, 60 HZ <small>(26 11 16 11-0011)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0013 EA 75 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	42,499.01	1,176.38
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,810.24	
For Control Power Transformer On Fans And Auxiliary, Add	1,204.39	
For Internal Mounted Current Transformer And Linear Coupler, Add	401.46	
26 11 16 11-0014 EA 112.5 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	62,787.08	1,411.65
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,197.46	
For Control Power Transformer On Fans And Auxiliary, Add	1,798.91	
For Internal Mounted Current Transformer And Linear Coupler, Add	599.64	
26 11 16 11-0015 EA 150 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	71,098.92	1,568.50
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,757.33	
For Control Power Transformer On Fans And Auxiliary, Add	2,038.86	
For Internal Mounted Current Transformer And Linear Coupler, Add	679.62	
26 11 16 11-0016 EA 225 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	84,006.75	1,960.62
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,605.99	
For Control Power Transformer On Fans And Auxiliary, Add	2,402.57	
For Internal Mounted Current Transformer And Linear Coupler, Add	800.86	
26 11 16 11-0017 EA 300 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	93,369.68	2,431.17
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,195.51	
For Control Power Transformer On Fans And Auxiliary, Add	2,655.22	
For Internal Mounted Current Transformer And Linear Coupler, Add	885.07	
26 11 16 11-0018 EA 500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	99,390.63	2,980.15
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,540.12	
For Control Power Transformer On Fans And Auxiliary, Add	2,802.91	
For Internal Mounted Current Transformer And Linear Coupler, Add	934.30	
26 11 16 11-0019 EA 750 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	116,186.08	1,568.50
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,627.97	
For Control Power Transformer On Fans And Auxiliary, Add	3,269.13	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,089.71	
26 11 16 11-0020 EA 1,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	123,704.07	3,921.25
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	8,110.31	
For Control Power Transformer On Fans And Auxiliary, Add	3,475.85	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,158.62	
26 11 16 11-0021 EA 1,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	138,314.10	4,313.38
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	9,078.12	
For Control Power Transformer On Fans And Auxiliary, Add	3,890.62	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,296.87	
26 11 16 11-0022 EA 2,000 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	160,209.44	4,783.93
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	10,544.91	
For Control Power Transformer On Fans And Auxiliary, Add	4,519.25	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,506.42	
26 11 16 11-0023 EA 2,500 KVA, Substation, Secondary 480 Y / 277 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	175,968.29	5,215.26
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	11,587.64	
For Control Power Transformer On Fans And Auxiliary, Add	4,966.13	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,655.38	
<b>26 11 16 11-0024 Substation, Primary 13.8 KV Secondary 208Y/120 Volt, 60 HZ (26 11 16 11-0011)</b>		
26 11 16 11-0025 EA 75 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	40,496.18	1,176.38
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	2,670.04	
For Control Power Transformer On Fans And Auxiliary, Add	1,144.30	
For Internal Mounted Current Transformer And Linear Coupler, Add	381.43	
26 11 16 11-0026 EA 112.5 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	61,667.08	1,176.38
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,152.00	
For Control Power Transformer On Fans And Auxiliary, Add	1,779.43	
For Internal Mounted Current Transformer And Linear Coupler, Add	593.14	
26 11 16 11-0027 EA 150 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	71,054.59	1,568.50
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	4,754.23	
For Control Power Transformer On Fans And Auxiliary, Add	2,037.53	
For Internal Mounted Current Transformer And Linear Coupler, Add	679.18	
26 11 16 11-0028 EA 225 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	84,083.00	1,960.62
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	5,611.32	
For Control Power Transformer On Fans And Auxiliary, Add	2,404.85	
For Internal Mounted Current Transformer And Linear Coupler, Add	801.62	
26 11 16 11-0029 EA 300 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	101,152.26	2,431.17
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	6,740.29	
For Control Power Transformer On Fans And Auxiliary, Add	2,888.70	
For Internal Mounted Current Transformer And Linear Coupler, Add	962.90	
26 11 16 11-0030 EA 500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	109,081.34	2,980.15
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,218.47	
For Control Power Transformer On Fans And Auxiliary, Add	3,093.63	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,031.21	
26 11 16 11-0031 EA 750 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	120,660.88	3,607.55
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	7,941.20	
For Control Power Transformer On Fans And Auxiliary, Add	3,403.37	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,134.46	
26 11 16 11-0032 EA 1,000 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	131,412.33	3,921.25
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	8,649.89	
For Control Power Transformer On Fans And Auxiliary, Add	3,707.09	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,235.70	
26 11 16 11-0033 EA 1,500 KVA, Substation, Secondary 208 Y / 120 Volt, Primary 13.8 KV, Oil Transformer, Weatherproof.....	148,282.05	4,313.38
For Forced Air Cooling, 750 KVA And Above Rating 15% Thru 2,499 kV And 25% For 2,500 kV, Add	9,775.87	
For Control Power Transformer On Fans And Auxiliary, Add	4,189.66	
For Internal Mounted Current Transformer And Linear Coupler, Add	1,396.55	
<b>26 11 16 11-0034 Accessories For Oil Filled Substation Transformers (26 11 16 11-0011)</b>		
26 11 16 11-0035 EA Sudden Pressure Relay.....	12,168.18	
26 11 16 11-0036 EA Throats Or Flanges (HV Or LV).....	24,157.96	
26 11 16 11-0037 EA Lightning Arrestors (3 - 1 Pole).....	15,907.09	
26 11 16 11-0038 EA Single Feeder Switch With Fuses 3 Pole, 2 Position, Open-Close Close) Fuse Type - CLE (80E To 125 X).....	88,276.35	



**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0039	EA	Oil Fuse Cutout, 15 KV, 200 Amperes, Free Standing Air Filled Terminal Compartment, 15 KV - 200 Amp Cutout .....	82,591.32	
<b>26 11 16 11-0040</b>		<b>Reinforced Concrete Curb With 6" Slab</b> <small>(26 11 16 11-0011)</small> Note: For transformer liquid containment area.		
26 11 16 11-0041	EA	112.5 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	9,686.50	1,739.26
26 11 16 11-0042	EA	150 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	9,686.50	1,739.26
26 11 16 11-0043	EA	225 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	9,686.50	1,739.26
26 11 16 11-0044	EA	300 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	9,686.50	1,739.26
26 11 16 11-0045	EA	500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	9,686.50	1,739.26
26 11 16 11-0046	EA	750 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	9,686.50	1,739.26
26 11 16 11-0047	EA	1,000 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	9,686.50	1,739.26
26 11 16 11-0048	EA	1,500 KVA, Reinforced Curb With 6" Slab, Transformer Liquid Containment Area .....	11,813.40	2,005.40
<b>26 11 16 11-0049</b>		<b>Dry Type Substation Transformer</b> <small>(26 11 16 11)</small> Note: Standard NEMA design 3 phase - 150 C rise - 60 Hz self-cooled, ventilated.		
<b>26 11 16 11-0050</b>		<b>Primary 4.16 Or 4.8 KV Secondary 208 Y/120 Or 240 Volt</b> <small>(26 11 16 11-0049)</small> Note: Primary 4.160 or 4.8 KV (delta or wye).		
26 11 16 11-0051	EA	112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	74,976.87	1,254.80
		<i>For Gas Filled Transformers, Add</i>	43,480.36	
		<i>For Single Phase Transformers, Deduct</i>	-1,811.68	
		<i>For Dry Type Unit, Add</i>	16,193.76	
26 11 16 11-0052	EA	150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	75,133.72	1,333.23
		<i>For Gas Filled Transformers, Add</i>	43,480.36	
		<i>For Single Phase Transformers, Deduct</i>	-1,811.68	
		<i>For Dry Type Unit, Add</i>	16,209.44	
26 11 16 11-0053	EA	225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	76,548.20	1,568.50
		<i>For Gas Filled Transformers, Add</i>	44,046.72	
		<i>For Single Phase Transformers, Deduct</i>	-1,835.28	
		<i>For Dry Type Unit, Add</i>	16,464.16	
26 11 16 11-0054	EA	300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	84,495.12	1,725.34
		<i>For Gas Filled Transformers, Add</i>	48,626.65	
		<i>For Single Phase Transformers, Deduct</i>	-2,026.11	
		<i>For Dry Type Unit, Add</i>	18,174.84	
26 11 16 11-0055	EA	500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	93,655.07	2,039.05
		<i>For Gas Filled Transformers, Add</i>	53,746.18	
		<i>For Single Phase Transformers, Deduct</i>	-2,239.42	
		<i>For Dry Type Unit, Add</i>	20,114.74	
26 11 16 11-0056	EA	750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	108,515.79	2,352.75
		<i>For Gas Filled Transformers, Add</i>	62,286.17	
		<i>For Single Phase Transformers, Deduct</i>	-2,595.26	
		<i>For Dry Type Unit, Add</i>	23,308.81	
26 11 16 11-0057	EA	1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	125,897.66	2,823.30
		<i>For Gas Filled Transformers, Add</i>	72,150.64	
		<i>For Single Phase Transformers, Deduct</i>	-3,006.28	
		<i>For Dry Type Unit, Add</i>	27,019.89	
26 11 16 11-0058	EA	1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	149,015.93	3,137.00
		<i>For Gas Filled Transformers, Add</i>	85,645.16	
		<i>For Single Phase Transformers, Deduct</i>	-3,568.55	
		<i>For Dry Type Unit, Add</i>	32,030.62	
26 11 16 11-0059	EA	2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	193,887.71	3,293.85
		<i>For Gas Filled Transformers, Add</i>	112,380.01	
		<i>For Single Phase Transformers, Deduct</i>	-4,682.50	
		<i>For Dry Type Unit, Add</i>	41,864.77	
<b>26 11 16 11-0060</b>		<b>Primary 4.16 Or 4.8 KV Secondary 480 Y/277 Or 480 Volt</b> <small>(26 11 16 11-0049)</small> Note: Primary 4.16 or 4.8 KV (delta or wye).		
26 11 16 11-0061	EA	112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	72,405.21	1,254.80
		<i>For Gas Filled Transformers, Add</i>	41,937.37	
		<i>For Single Phase Transformers, Deduct</i>	-1,747.39	
		<i>For Dry Type Unit, Add</i>	15,627.99	
26 11 16 11-0062	EA	150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	75,133.72	1,333.23
		<i>For Gas Filled Transformers, Add</i>	43,480.36	
		<i>For Single Phase Transformers, Deduct</i>	-1,811.68	
		<i>For Dry Type Unit, Add</i>	16,209.44	
26 11 16 11-0063	EA	225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	76,548.20	1,568.50
		<i>For Gas Filled Transformers, Add</i>	44,046.72	
		<i>For Single Phase Transformers, Deduct</i>	-1,835.28	
		<i>For Dry Type Unit, Add</i>	16,464.16	
26 11 16 11-0064	EA	300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	84,495.12	1,725.34
		<i>For Gas Filled Transformers, Add</i>	48,626.65	
		<i>For Single Phase Transformers, Deduct</i>	-2,026.11	
		<i>For Dry Type Unit, Add</i>	18,174.84	
26 11 16 11-0065	EA	500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	93,655.07	2,039.05
		<i>For Gas Filled Transformers, Add</i>	53,746.18	
		<i>For Single Phase Transformers, Deduct</i>	-2,239.42	
		<i>For Dry Type Unit, Add</i>	20,114.74	
26 11 16 11-0066	EA	750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	108,515.79	2,352.75
		<i>For Gas Filled Transformers, Add</i>	62,286.17	
		<i>For Single Phase Transformers, Deduct</i>	-2,595.26	
		<i>For Dry Type Unit, Add</i>	23,308.81	
26 11 16 11-0067	EA	1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	125,897.66	2,823.30
		<i>For Gas Filled Transformers, Add</i>	72,150.64	
		<i>For Single Phase Transformers, Deduct</i>	-3,006.28	
		<i>For Dry Type Unit, Add</i>	27,019.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0068	EA		1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	149,015.93	3,137.00
			<i>For Gas Filled Transformers, Add</i>	85,645.16	
			<i>For Single Phase Transformers, Deduct</i>	-3,568.55	
			<i>For Dry Type Unit, Add</i>	32,030.62	
26 11 16 11-0069	EA		2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	193,887.71	3,293.85
			<i>For Gas Filled Transformers, Add</i>	112,380.01	
			<i>For Single Phase Transformers, Deduct</i>	-4,682.50	
			<i>For Dry Type Unit, Add</i>	41,864.77	
26 11 16 11-0070	EA		2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	212,976.01	3,450.70
			<i>For Gas Filled Transformers, Add</i>	123,644.77	
			<i>For Single Phase Transformers, Deduct</i>	-5,151.87	
			<i>For Dry Type Unit, Add</i>	46,026.55	
26 11 16 11-0071	EA		3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	237,943.44	3,607.55
			<i>For Gas Filled Transformers, Add</i>	138,437.00	
			<i>For Single Phase Transformers, Deduct</i>	-5,768.21	
			<i>For Dry Type Unit, Add</i>	51,481.74	
26 11 16 11-0072	EA		3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 4.16 Or 4.8 KV, Dry Transformer .....	274,646.86	3,764.40
			<i>For Gas Filled Transformers, Add</i>	160,270.84	
			<i>For Single Phase Transformers, Deduct</i>	-6,677.95	
			<i>For Dry Type Unit, Add</i>	59,518.85	
<b>26 11 16 11-0073 Primary 13.8 KV (Delta Or Wye) Secondary 208 Y/120 Or 240 Volt <small>(26 11 16 11-0049)</small></b>					
26 11 16 11-0074	EA		112.5 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	80,612.27	1,411.65
			<i>For Gas Filled Transformers, Add</i>	46,673.38	
			<i>For Single Phase Transformers, Deduct</i>	-1,944.72	
			<i>For Dry Type Unit, Add</i>	17,395.90	
26 11 16 11-0075	EA		150 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	83,325.91	1,490.08
			<i>For Gas Filled Transformers, Add</i>	48,207.46	
			<i>For Single Phase Transformers, Deduct</i>	-2,008.64	
			<i>For Dry Type Unit, Add</i>	17,974.08	
26 11 16 11-0076	EA		225 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	89,036.40	1,725.34
			<i>For Gas Filled Transformers, Add</i>	51,351.42	
			<i>For Single Phase Transformers, Deduct</i>	-2,139.64	
			<i>For Dry Type Unit, Add</i>	19,173.92	
26 11 16 11-0077	EA		300 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	93,958.28	1,882.19
			<i>For Gas Filled Transformers, Add</i>	54,116.33	
			<i>For Single Phase Transformers, Deduct</i>	-2,254.85	
			<i>For Dry Type Unit, Add</i>	20,219.09	
26 11 16 11-0078	EA		500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	107,102.07	2,195.90
			<i>For Gas Filled Transformers, Add</i>	61,626.16	
			<i>For Single Phase Transformers, Deduct</i>	-2,567.76	
			<i>For Dry Type Unit, Add</i>	23,035.44	
26 11 16 11-0079	EA		750 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	118,633.00	2,509.60
			<i>For Gas Filled Transformers, Add</i>	68,168.29	
			<i>For Single Phase Transformers, Deduct</i>	-2,840.35	
			<i>For Dry Type Unit, Add</i>	25,496.96	
26 11 16 11-0080	EA		1,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	138,489.92	2,980.15
			<i>For Gas Filled Transformers, Add</i>	79,517.77	
			<i>For Single Phase Transformers, Deduct</i>	-3,313.24	
			<i>For Dry Type Unit, Add</i>	29,752.55	
26 11 16 11-0081	EA		1,500 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	168,067.07	3,293.85
			<i>For Gas Filled Transformers, Add</i>	96,887.62	
			<i>For Single Phase Transformers, Deduct</i>	-4,036.98	
			<i>For Dry Type Unit, Add</i>	36,184.23	
26 11 16 11-0082	EA		2,000 KVA, Substation, Secondary 208 Y / 120 Volt Or 240 Volt, Primary 13.8 KV, Dry Transformer .....	203,551.55	3,450.70
			<i>For Gas Filled Transformers, Add</i>	117,990.09	
			<i>For Single Phase Transformers, Deduct</i>	-4,916.25	
			<i>For Dry Type Unit, Add</i>	43,953.17	
<b>26 11 16 11-0083 Primary 13.8 KV (Delta Or Wye) Secondary 480 Y/277 Or 480 Volt <small>(26 11 16 11-0049)</small></b>					
26 11 16 11-0084	EA		112.5 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	80,612.27	1,411.65
			<i>For Gas Filled Transformers, Add</i>	46,673.38	
			<i>For Single Phase Transformers, Deduct</i>	-1,944.72	
			<i>For Dry Type Unit, Add</i>	17,395.90	
26 11 16 11-0085	EA		150 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	83,325.91	1,490.08
			<i>For Gas Filled Transformers, Add</i>	48,207.46	
			<i>For Single Phase Transformers, Deduct</i>	-2,008.64	
			<i>For Dry Type Unit, Add</i>	17,974.08	
26 11 16 11-0086	EA		225 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	89,036.40	1,725.34
			<i>For Gas Filled Transformers, Add</i>	51,351.42	
			<i>For Single Phase Transformers, Deduct</i>	-2,139.64	
			<i>For Dry Type Unit, Add</i>	19,173.92	
26 11 16 11-0087	EA		300 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	93,958.28	1,882.19
			<i>For Gas Filled Transformers, Add</i>	54,116.33	
			<i>For Single Phase Transformers, Deduct</i>	-2,254.85	
			<i>For Dry Type Unit, Add</i>	20,219.09	
26 11 16 11-0088	EA		500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	107,102.07	2,195.90
			<i>For Gas Filled Transformers, Add</i>	61,626.16	
			<i>For Single Phase Transformers, Deduct</i>	-2,567.76	
			<i>For Dry Type Unit, Add</i>	23,035.44	
26 11 16 11-0089	EA		750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	103,767.92	2,509.60
			<i>For Gas Filled Transformers, Add</i>	59,249.24	
			<i>For Single Phase Transformers, Deduct</i>	-2,468.72	
			<i>For Dry Type Unit, Add</i>	22,226.64	
26 11 16 11-0090	EA		1,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer .....	107,951.27	2,980.15
			<i>For Gas Filled Transformers, Add</i>	61,194.58	
			<i>For Single Phase Transformers, Deduct</i>	-2,549.77	
			<i>For Dry Type Unit, Add</i>	23,034.04	

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 11 Substations**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 11 16 11-0091	EA	1,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	133,078.52 75,894.49 -3,162.27 28,486.75	3,293.85
26 11 16 11-0092	EA	2,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	158,201.77 90,780.22 -3,782.51 33,976.22	3,450.70
26 11 16 11-0093	EA	2,500 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	177,062.41 101,908.39 -4,246.18 38,087.92	3,607.55
26 11 16 11-0094	EA	3,000 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	208,276.20 120,448.44 -5,018.69 44,917.31	3,764.40
26 11 16 11-0095	EA	3,750 KVA, Substation, Secondary 480 Y / 277 Volt Or 480 Volt, Primary 13.8 KV, Dry Transformer ..... For Gas Filled Transformers, Add For Single Phase Transformers, Deduct For Dry Type Unit, Add	256,006.76 148,898.56 -6,204.11 55,380.39	3,921.25

**26 12 Medium-Voltage Transformers** <sup>(26 10)</sup>

**26 12 13 Liquid-Filled, Medium-Voltage Transformers** <sup>(26 12)</sup>

26 12 13 00-0001		Removal And Relocation Of Transformers <sup>(26 12 13)</sup>		
26 12 13 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA Oil Filled Transformer .....	1,542.10	
26 12 13 00-0003	EA	Removal And Relocation Of >37.5 To 100 KVA Oil Filled Transformers .....	2,837.90	

**26 12 16 Dry-Type, Medium-Voltage Transformers** <sup>(26 12)</sup>

26 12 16 00-0001		Removal and Relocation of Transformers <sup>(26 12 16)</sup>		
26 12 16 00-0002	EA	Removal And Relocation Of Up To 37.5 KVA "Dry Type" Transformer .....	650.93	
26 12 16 00-0003	EA	Removal And Relocation Of >37.5 To 112.5 KVA "Dry Type" Transformer .....	2,893.01	

**26 12 19 Pad-Mounted, Liquid-Filled, Medium-Voltage Transformers** <sup>(26 12)</sup>

26 12 19 00-0001		Single Phase Pad Mounted Distribution Transformers <sup>(26 12 19)</sup> Note: Designed for residential and multi-family buildings. UL listed.		
26 12 19 00-0002		Mini Pak - Single Phase KVA 25 Thru 167 - 95 KV BIL.- Oil Filled <sup>(26 12 19 00-0001)</sup> Note: Self actuating pressure relief device, taps, 4-1/2 % below or 2-1/2 % above and below. Designed for loop feed grounded wye distribution system.		
26 12 19 00-0003		Primary, 4.16/4.8 KV Ground Y Or Delta <sup>(26 12 19 00-0002)</sup> Note: 2.4 To 24.94 KV ground Y / 14.4 KV secondary - 240/120 Volt, 480/240 Volt, 277 V. Rated to 5 KVA.		
26 12 19 00-0004	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	21,268.50	784.25
26 12 19 00-0005	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	23,074.79	941.10
26 12 19 00-0006	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	27,524.48	1,097.95
26 12 19 00-0007	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	34,192.92	1,176.38
26 12 19 00-0008	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	38,878.84	1,254.80
26 12 19 00-0009	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	50,874.66	1,646.92
26 12 19 00-0010		Factory Modifications Material Cost Only <sup>(26 12 19 00-0002)</sup>		
26 12 19 00-0011	EA	Loadbreaker Current Limiting Fuse Factory Modifications .....	4,717.06	
26 12 19 00-0012	EA	Loadbreaker Oil Switch, 2 Position Factory Modifications .....	4,956.33	
26 12 19 00-0013	EA	Loadbreaker Inserts, Factory Modifications .....	5,451.97	
26 12 19 00-0014		Distribution - Single Phase Multiple Building Transformer <sup>(26 12 19 00-0001)</sup> Note: KVA 25 to 250, KVA BIL-95, 125, 150 standard features. Oil filled, self-actuating pressure relief device, lighting arrester mounted. Pad HV/LV barrier, etc. with taps 4-1/2 % below or 2-1/2 % above and below.		
26 12 19 00-0015		Primary, 4.16/4.8 KVA Ground Y Or Delta <sup>(26 12 19 00-0014)</sup> Note: 2.4 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.		
26 12 19 00-0016	EA	25 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	26,964.28	784.25
26 12 19 00-0017	EA	37.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	30,261.61	784.25
26 12 19 00-0018	EA	50 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	32,436.81	1,074.43
26 12 19 00-0019	EA	75 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	40,690.11	1,074.43
26 12 19 00-0020	EA	100 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	45,711.09	1,411.65
26 12 19 00-0021	EA	167 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	54,789.50	1,411.65
26 12 19 00-0022	EA	250 KVA, Primary 4.16 / 4.8 KV Ground Y / 2.4 - 24.94 KV Ground Y / 14.4 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt .....	88,983.60	1,960.62

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 12 19 00-0023</b>	<b>Factory Modifications Material Cost Only</b> <small>(26 12 19 00-0014)</small>		
26 12 19 00-0024	EA Loadbreaker Current Limiting Fuse Factory Modifications.....	6,289.42	
26 12 19 00-0025	EA Lightning Arrestors, Factory Modifications.....	1,593.56	
26 12 19 00-0026	EA Loadbreaker Oil Switch, 2 Position Factory Modifications.....	4,956.33	
26 12 19 00-0027	EA Loop Feed Air Switch, Factory Modifications.....	8,066.86	
26 12 19 00-0028	EA Loadbreaker Inserts (Two), Factory Modifications.....	2,153.44	
26 12 19 00-0029	EA Bay-O-Net Fuse 25 Thru 167 KVA Factory Modifications.....	1,862.90	
<b>26 12 19 00-0030</b>	<b>Primary, 12.47 KV Ground Y Or Delta</b> <small>(26 12 19 00-0014)</small>		
	<small>Note: 7.2 To 34.5 KV ground Y / 19.9 KV secondary - 240/120 V, 120/240 V, 240/480 V, 480/240 V, 277V. Rated to 5 KVA.</small>		
26 12 19 00-0031	EA 25 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	29,282.30	784.25
26 12 19 00-0032	EA 37.5 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	31,044.74	784.25
26 12 19 00-0033	EA 50 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	32,133.60	1,074.43
26 12 19 00-0034	EA 75 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	38,855.44	1,074.43
26 12 19 00-0035	EA 100 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	49,542.40	1,411.65
26 12 19 00-0036	EA 167 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	61,568.85	1,411.81
26 12 19 00-0037	EA 250 KVA, Primary 12.47 KV Ground Y / 7.2 - 34.5 KV Ground Y / 19.9 KV, Secondary 240/120 Volt, 480/240 Volt, 277 Volt.....	78,187.48	1,960.62
<b>26 12 19 00-0038</b>	<b>Oil Filled Distribution Transformer Single Phase Cluster Mounted</b> <small>(26 12 19 00-0001)</small>		
	<small>Note: Conventional type.</small>		
<b>26 12 19 00-0039</b>	<b>13.8/14.4 KV Ground Y Or Delta Primary 120/240V</b> <small>(26 12 19 00-0038)</small>		
	<small>Note: 2.5 Taps FCBN and FCAN.</small>		
26 12 19 00-0040	EA 10 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	19,398.73	523.08
26 12 19 00-0041	EA 37.5 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	23,931.21	735.59
26 12 19 00-0042	EA 50 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	36,762.84	1,176.94
26 12 19 00-0043	EA 100 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	66,491.69	1,176.94
26 12 19 00-0044	EA 167 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	91,817.92	1,928.86
26 12 19 00-0045	EA 250 KVA, 13.8 - 14.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	123,864.66	1,928.86
<b>26 12 19 00-0046</b>	<b>Oil Filled Distribution Transformer Single Phase</b> <small>(26 12 19 00-0001)</small>		
<b>26 12 19 00-0047</b>	<b>7.2 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0048	EA 10 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,781.56	555.78
26 12 19 00-0049	EA 15 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,486.53	555.78
26 12 19 00-0050	EA 25 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	24,212.55	784.62
26 12 19 00-0051	EA 37.5 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	31,076.36	784.62
26 12 19 00-0052	EA 50 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	35,771.76	1,062.51
26 12 19 00-0053	EA 100 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	64,915.51	1,634.62
26 12 19 00-0054	EA 167 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	90,583.58	1,634.62
26 12 19 00-0055	EA 250 KVA, 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	121,959.34	2,043.28
<b>26 12 19 00-0056</b>	<b>7.2 KV Primary, 240/480 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0057	EA 10 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,781.56	555.78
26 12 19 00-0058	EA 15 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,487.17	555.78
26 12 19 00-0059	EA 25 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	24,212.55	784.62
26 12 19 00-0060	EA 37.5 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	31,076.36	784.62
26 12 19 00-0061	EA 50 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	35,771.76	1,062.51
26 12 19 00-0062	EA 75 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	55,714.97	1,438.47
26 12 19 00-0063	EA 100 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	64,915.51	1,438.47
26 12 19 00-0064	EA 167 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	90,583.58	1,814.43
26 12 19 00-0065	EA 250 KVA, 7.2 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	121,959.34	2,043.28
<b>26 12 19 00-0066</b>	<b>2.4 KV Primary, 277 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0067	EA 10 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,718.30	555.78
26 12 19 00-0068	EA 15 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	22,597.19	555.78
26 12 19 00-0069	EA 25 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	26,714.96	784.62
26 12 19 00-0070	EA 37.5 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	34,273.10	784.62
26 12 19 00-0071	EA 50 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	39,446.76	1,062.51
26 12 19 00-0072	EA 75 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	61,265.26	1,438.47
26 12 19 00-0073	EA 100 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	71,683.64	1,438.47
26 12 19 00-0074	EA 167 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	100,083.23	1,814.43
26 12 19 00-0075	EA 250 KVA, 2.4 KV Primary, 277 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	134,837.24	2,043.28
<b>26 12 19 00-0076</b>	<b>2.4 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0077	EA 10 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	18,781.56	555.78
26 12 19 00-0078	EA 15 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,486.53	555.78
26 12 19 00-0079	EA 25 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	24,212.55	1,067.57
26 12 19 00-0080	EA 37.5 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	31,076.36	1,438.47
26 12 19 00-0081	EA 50 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	35,771.76	1,062.51

**26 Electrical****26 10 Medium-Voltage Electrical Distribution****26 12 Medium-Voltage Transformers**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 12 19 00-0082	EA	75 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	55,488.29	1,438.47
26 12 19 00-0083	EA	100 KVA, 2.4 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	64,902.85	1,438.47
<b>26 12 19 00-0084</b>		<b>2.4 KV Primary, 240/480 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0085	EA	10 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	18,781.56	555.78
26 12 19 00-0086	EA	15 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	20,486.53	555.78
26 12 19 00-0087	EA	25 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	24,212.55	784.62
26 12 19 00-0088	EA	37.5 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	31,076.36	784.62
26 12 19 00-0089	EA	50 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	35,771.76	1,062.51
26 12 19 00-0090	EA	75 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	55,488.29	1,438.47
26 12 19 00-0091	EA	100 KVA, 2.4 KV Primary, 240/480 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase .....	64,902.85	1,438.47
<b>26 12 19 00-0092</b>		<b>2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary</b> <small>(26 12 19 00-0046)</small>		
26 12 19 00-0093	EA	10 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	15,771.40	572.12
26 12 19 00-0094	EA	15 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	17,086.86	637.51
26 12 19 00-0095	EA	25 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	20,930.48	702.89
26 12 19 00-0096	EA	37 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	26,439.68	980.78
26 12 19 00-0097	EA	50 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	29,359.00	1,144.24
26 12 19 00-0098	EA	75 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	41,128.46	1,340.39
26 12 19 00-0099	EA	100 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	49,679.38	1,536.55
26 12 19 00-0100	EA	167 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	78,800.41	1,961.55
26 12 19 00-0101	EA	250 KVA, 2.4 KV x 7.2 KV Primary, 120/240 Volt Secondary, Oil Filled Distribution Transformer, 1 Phase.....	110,062.23	2,206.75
<b>26 13 Medium-Voltage Switchgear</b> <small>(26 10)</small>				
<b>26 13 16 Medium-Voltage Fusible Interrupter Switchgear</b> <small>(26 13)</small>				
<b>26 13 16 00-0001</b>		<b>"Switchyard", Substation Secondary Distribution Section</b> <small>(26 13 16)</small>		
		Note: Medium voltage, metal clad switchgear, 3 phase, 3 wire with ground. Includes breaker element, housing, control switch two lamps - 3 cable terminals.		
<b>26 13 16 00-0002</b>		<b>4.16 Or 4.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0003	EA	1,200 Amperes, 75 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	16,838.01	1,700.01
		<i>For Weatherproofing, Add</i>	3,465.98	
26 13 16 00-0004	EA	1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	17,658.98	1,700.01
		<i>For Weatherproofing, Add</i>	3,646.59	
26 13 16 00-0005	EA	1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	24,011.19	2,165.88
		<i>For Weatherproofing, Add</i>	4,995.69	
26 13 16 00-0006	EA	2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	32,638.94	2,165.88
		<i>For Weatherproofing, Add</i>	6,857.34	
26 13 16 00-0007	EA	2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	46,666.92	2,615.40
		<i>For Weatherproofing, Add</i>	9,899.98	
26 13 16 00-0008	EA	3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	42,648.64	2,615.40
		<i>For Weatherproofing, Add</i>	8,997.43	
<b>26 13 16 00-0009</b>		<b>7.2 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0010	EA	1,200 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	25,015.22	1,961.55
		<i>For Weatherproofing, Add</i>	5,240.30	
26 13 16 00-0011	EA	2,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	30,742.75	2,451.94
		<i>For Weatherproofing, Add</i>	6,419.79	
26 13 16 00-0012	EA	3,000 Amperes, 500 MVA, 7.2 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	43,128.46	2,942.33
		<i>For Weatherproofing, Add</i>	9,086.77	
<b>26 13 16 00-0013</b>		<b>13.8 KV Switchgear Sections, With Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0014	EA	1,200 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	24,161.80	1,961.55
		<i>For Weatherproofing, Add</i>	5,030.96	
26 13 16 00-0015	EA	1,200 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	33,191.83	1,961.55
		<i>For Weatherproofing, Add</i>	6,970.54	
26 13 16 00-0016	EA	1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	48,368.00	2,615.40
		<i>For Weatherproofing, Add</i>	10,255.69	
26 13 16 00-0017	EA	2,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	30,402.15	2,615.40
		<i>For Weatherproofing, Add</i>	6,325.22	
26 13 16 00-0018	EA	2,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	44,007.40	3,269.26
		<i>For Weatherproofing, Add</i>	9,271.51	
26 13 16 00-0019	EA	2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	61,446.52	3,269.26
		<i>For Weatherproofing, Add</i>	13,058.70	
26 13 16 00-0020	EA	3,000 Amperes, 500 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	42,404.78	3,269.26
		<i>For Weatherproofing, Add</i>	8,905.26	
26 13 16 00-0021	EA	3,000 Amperes, 750 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section .....	58,660.03	3,269.26
		<i>For Weatherproofing, Add</i>	12,434.33	
26 13 16 00-0022	EA	3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, With Air Circuit Breaker, Secondary Distribution Section.....	75,921.24	3,269.26
		<i>For Weatherproofing, Add</i>	16,187.25	
<b>26 13 16 00-0023</b>		<b>4.16 Or 4.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 16 00-0024	EA		1,200 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	7,610.85	1,070.68
			<i>For Weatherproofing, Add</i>	1,524.22	
26 13 16 00-0025	EA		1,200 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,836.53	1,070.68
			<i>For Weatherproofing, Add</i>	2,013.87	
26 13 16 00-0026	EA		2,000 Amperes, 250 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,713.24	1,422.12
			<i>For Weatherproofing, Add</i>	2,158.26	
26 13 16 00-0027	EA		2,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,275.45	1,757.23
			<i>For Weatherproofing, Add</i>	2,674.53	
26 13 16 00-0028	EA		3,000 Amperes, 350 MVA, 4.16 Or 4.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,780.05	1,757.23
			<i>For Weatherproofing, Add</i>	3,665.54	
<b>26 13 16 00-0029</b>			<b>7.2 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0030	EA		1,200 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,605.17	1,634.62
			<i>For Weatherproofing, Add</i>	1,942.10	
26 13 16 00-0031	EA		2,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	12,561.89	1,634.62
			<i>For Weatherproofing, Add</i>	2,544.41	
26 13 16 00-0032	EA		3,000 Amperes, 500 MVA, 7.2 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,078.13	1,634.62
			<i>For Weatherproofing, Add</i>	3,930.47	
<b>26 13 16 00-0033</b>			<b>13.8 KV Switchgear Section, Without Air Circuit Breaker, Secondary Distribution Section</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0034	EA		1,200 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	9,927.65	1,389.43
			<i>For Weatherproofing, Add</i>	1,990.47	
26 13 16 00-0035	EA		1,200 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	10,571.79	1,389.43
			<i>For Weatherproofing, Add</i>	2,132.18	
26 13 16 00-0036	EA		1,200 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	15,101.88	1,716.36
			<i>For Weatherproofing, Add</i>	3,081.01	
26 13 16 00-0037	EA		2,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	13,558.27	2,059.63
			<i>For Weatherproofing, Add</i>	2,693.87	
26 13 16 00-0038	EA		2,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	16,593.72	2,059.63
			<i>For Weatherproofing, Add</i>	3,361.67	
26 13 16 00-0039	EA		2,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	19,086.63	2,402.90
			<i>For Weatherproofing, Add</i>	3,861.52	
26 13 16 00-0040	EA		3,000 Amperes, 500 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	17,969.67	2,746.17
			<i>For Weatherproofing, Add</i>	3,568.06	
26 13 16 00-0041	EA		3,000 Amperes, 750 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	20,049.65	2,746.17
			<i>For Weatherproofing, Add</i>	4,025.66	
26 13 16 00-0042	EA		3,000 Amperes, 1,000 MVA, 13.8 KV Switchgear, Without Air Circuit Breaker, Secondary Distribution Section	24,648.20	3,073.10
			<i>For Weatherproofing, Add</i>	4,989.18	
<b>26 13 16 00-0043</b>			<b>Accessories For Substation Secondary Distribution Sections</b> <small>(26 13 16 00-0001)</small>		
26 13 16 00-0044	EA		1,200 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	4,898.00	1,035.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	621.53	
26 13 16 00-0045	EA		2,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	6,095.70	1,149.47
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	689.72	
26 13 16 00-0046	EA		3,000 Amperes, Transformer Throat Connection Accessories, Secondary Distribution Section	7,934.53	1,382.89
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	829.76	
26 13 16 00-0047	EA		3-Phase Pothead Termination Accessories, Secondary Distribution Section	5,244.64	2,079.74
26 13 16 00-0048	EA		5 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	5,893.94	140.82
26 13 16 00-0049	EA		5 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	7,859.98	140.82
26 13 16 00-0050	EA		5 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	14,362.36	140.82
26 13 16 00-0051	EA		15 KV, 15 KVA, Control Power Transformer Accessories, Secondary Distribution Section	11,295.16	140.82
26 13 16 00-0052	EA		15 KV, 30 KVA, Control Power Transformer Accessories, Secondary Distribution Section	12,327.21	140.82
26 13 16 00-0053	EA		15 KV, 75 KVA, Control Power Transformer Accessories, Secondary Distribution Section	16,766.43	140.82
26 13 16 00-0054	EA		6 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	2,690.38	140.82
26 13 16 00-0055	EA		9 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	3,035.95	140.82
26 13 16 00-0056	EA		15 KV, 3-Phase Lightning Arrester Accessories, Secondary Distribution Section	4,591.97	140.82
26 13 16 00-0057	EA		Overcurrent Phase Protection, Time And Instantaneous Device 67	2,952.83	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 16 00-0058	EA		AC Ammeter With Switch	1,178.26	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 16 00-0059	EA		AC Voltmeter With Switch And Potential Transformer	1,178.26	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 16 00-0060	EA		Indicating Wattmeter	1,723.71	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 16 00-0061	EA		Indicating Varmeter	2,026.32	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 16 00-0062	EA		Indicating Watt-hour Meter, 2 Element	1,286.61	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 16 00-0063	EA		Ground Protection, Time Or Instantaneous Device 67N	2,807.23	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 16 00-0064	EA		Differential Generator Protection Single Phase NEMA Device 87	5,574.52	140.82
26 13 16 00-0065	EA		Current Transformers 5 And 15 KV Single Secondary	811.21	140.82
26 13 16 00-0066	EA		Potential Transformers 5 KV And 15 KV With Primary Fuses	3,732.71	140.82

**26 13 19 Medium-Voltage Vacuum Interrupter Switchgear** (26 13)



**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 13 Medium-Voltage Switchgear**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 13 19 00-0001			<b>Vacuum Circuit Breakers 13.8 KV</b> <small>(26 13 19)</small>		
26 13 19 00-0002	EA		1,200 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	60,095.05	2,043.28
26 13 19 00-0003	EA		1,200 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	66,389.43	2,582.71
26 13 19 00-0004	EA		1,200 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	75,386.36	2,582.71
26 13 19 00-0005	EA		2,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	68,821.83	2,043.28
26 13 19 00-0006	EA		2,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	77,367.91	2,043.28
26 13 19 00-0007	EA		2,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	88,193.23	2,402.90
26 13 19 00-0008	EA		3,000 Amperes, 500 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	91,052.20	2,746.17
26 13 19 00-0009	EA		3,000 Amperes, 750 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	99,641.69	2,746.17
26 13 19 00-0010	EA		3,000 Amperes, 1,000 MVA, Vacuum Circuit Breaker, 13.8 KV Substation, Secondary Distribution Section.....	108,892.04	3,089.45

**26 13 29 Medium-Voltage Compartmentalized Switchgear** (26 13)

26 13 29 00-0001			<b>Substation Secondary Distribution Section</b> <small>(26 13 29)</small> Note: Low voltage drawout switchgear 277/480 volt, 3 phase 4 wire.		
26 13 29 00-0002			<b>Switchgear Compartment Complete With Air Circuit Breaker</b> <small>(26 13 29 00-0001)</small> Note: With solid state long - time and instantaneous trips.		
26 13 29 00-0003	EA		800 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-206.....	19,238.00	1,355.98
26 13 29 00-0004	EA		1,600 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-416.....	30,492.09	2,050.11
26 13 29 00-0005	EA		2,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-420.....	41,293.14	2,518.25
26 13 29 00-0006	EA		3,200 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-632.....	68,348.66	2,921.81
26 13 29 00-0007	EA		4,000 Amperes, 277/480 Volt Switchgear, With Air Circuit Breaker, Manual DS-840.....	87,781.15	3,325.38
26 13 29 00-0008			<b>Switchgear Compartment Without Circuit Breaker</b> <small>(26 13 29 00-0001)</small>		
26 13 29 00-0009	EA		800 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	8,520.51	411.64
26 13 29 00-0010	EA		1,600 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	9,845.39	411.64
26 13 29 00-0011	EA		2,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	12,879.94	605.35
26 13 29 00-0012	EA		3,200 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	18,370.23	605.35
26 13 29 00-0013	EA		4,000 Amperes, 277/480 Volt Switchgear, Without Air Circuit Breaker, Secondary Distribution Section.....	30,633.09	887.84
26 13 29 00-0014			<b>Switchgear Compartment, Blank, Use As Filler Or Metering</b> <small>(26 13 29 00-0001)</small> Note: No provisions for future breaker.		
26 13 29 00-0015	EA		600 To 2,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	9,297.96	460.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	263.07	
26 13 29 00-0016	EA		3,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	11,687.64	460.06
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	308.81	
26 13 29 00-0017	EA		4,000 Amperes, Blank Section Filler, Secondary Distribution Section.....	15,148.17	710.28
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	443.92	
26 13 29 00-0018			<b>Accessories For Substation Secondary Distribution</b> <small>(26 13 29 00-0001)</small>		
26 13 29 00-0019	EA		Short Time Delay Accessories, Secondary Distribution Section.....	5,202.07	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 29 00-0020	EA		Key Interlock Accessories, Secondary Distribution Section.....	4,020.27	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 29 00-0021	EA		Ammeter And Switch Complete Accessories, Secondary Distribution Section.....	13,006.37	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 29 00-0022	EA		Voltmeter And Switch Complete Accessories, Secondary Distribution Section.....	13,006.37	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 29 00-0023	EA		Wattmeter - Complete Accessories, Secondary Distribution Section.....	17,242.99	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 29 00-0024	EA		Watt-hour Meter - Complete Accessories, Secondary Distribution Section.....	22,371.53	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 29 00-0025	EA		Circuit Breaker Lifting Device Accessories, Secondary Distribution Section.....	9,604.54	160.62
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.34	
26 13 29 00-0026	EA		Weatherproofing, Per Vertical Section Accessories, Secondary Distribution Section.....	27,605.57	2,378.76
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,427.27	
26 13 29 00-0027	EA		Current Transformer, Single Section 5 To 800 Single Secondary 5 To 800.....	5,826.41	140.82
26 13 29 00-0028	EA		Potential Transformers Each With Fuses Accessories, Secondary Distribution Section.....	6,864.51	140.82
26 13 29 00-0029	EA		Shunt Trip And Auxiliary Switch Accessories, Secondary Distribution Section.....	3,671.34	70.41
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	42.25	
26 13 29 00-0030	EA		3 Current Limiting Fuses 15 KV Accessories, Secondary Distribution Section.....	28,131.85	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 13 29 00-0031	EA		3 Phase Surge Capacitors 15 KV Accessories, Secondary Distribution Section.....	3,492.95	70.41

**26 18 Medium-Voltage Circuit Protection Devices** (26 10)

**26 18 36 Medium-Voltage Enclosed Fuses** (26 18)

26 18 36 00-0001			<b>Sectionalizing Switch</b> <small>(26 18 36)</small>		
26 18 36 00-0002			<b>Pad Mounted Metal Enclosed Oil Filled Switching Units</b> <small>(26 18 36 00-0001)</small> Note: 15 KV - 25 KV.		
26 18 36 00-0003			<b>Sectionalizing Tapping And Fusing Underground Feeders</b> <small>(26 18 36 00-0002)</small> Note: 200 Amp replaceable bushing wells recessed locking assembly oil level and oil fill plugs.		
26 18 36 00-0004	EA		3 Phase, 1 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	85,664.09	1,176.38
26 18 36 00-0005	EA		3 Phase, 2 Switch Up And 2 Switch Downstream Tapping And Fusing Underground.....	96,367.06	1,176.38

**26 19 High-Voltage Circuit Protection** (26 10)

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 19 18 Protection Devices** (26 19)

26 19 18 00-0001	Primary Fuse Cutouts <small>(26 19 18)</small> <small>Note: Interrupting rating RMS, amperes - 25,000 symmetric and 40,000 asymmetric.</small>		
26 19 18 00-0002	Non-Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 19 18 00-0001)</small> <small>Note: Includes the fuse and cut-out switch.</small>		
26 19 18 00-0003	8.3 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0004	EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... 871.57		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0005	EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... 1,035.04		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 245.20		
26 19 18 00-0006	EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... 1,197.95		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 294.07		
26 19 18 00-0007	EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... 1,218.84		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 294.25		
26 19 18 00-0008	EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Non-Loadbreak Current Limiting ..... 1,218.84		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 294.25		
26 19 18 00-0009	17.1 KV-95 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0010	EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Non-Loadbreak Current Limiting ..... 871.57		326.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0011	17.1 KV-125 KV-BIL Non-Loadbreak Current Limiting <small>(26 19 18 00-0002)</small>		
26 19 18 00-0012	EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Non-Loadbreak Current Limiting ..... 899.04		326.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0013	Fuseholders <small>(26 19 18 00-0002)</small> <small>Note: Including current limiting fuse.</small>		
26 19 18 00-0014	EA 15 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... 755.85		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0015	EA 25 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... 919.32		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 245.20		
26 19 18 00-0016	EA 40 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... 1,082.23		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 294.07		
26 19 18 00-0017	EA 100 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... 765.35		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0018	EA 200 A 8.3 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... 928.82		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 245.20		
26 19 18 00-0019	EA 15 A 17.1 KV Primary Fuseholder With Fuse Non-Loadbreak Current Limiting ..... 755.85		326.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0020	Accessories <small>(26 19 18 00-0002)</small>		
26 19 18 00-0021	EA Hot Line Clamp ..... 110.06		36.78
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 24.52		
26 19 18 00-0022	EA Stirrup ..... 118.78		36.78
26 19 18 00-0023	Loadbreak Current Limiting Primary Fuse Cutouts <small>(26 19 18 00-0001)</small> <small>Note: Includes fuse, cutout switch, crossarm mounting bracket and fuse holder.</small>		
26 19 18 00-0024	8.3 KV-95 KV BIL Loadbreak Current Limiting <small>(26 19 18 00-0023)</small>		
26 19 18 00-0025	EA 15 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... 1,085.38		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0026	EA 25 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... 1,248.85		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 245.20		
26 19 18 00-0027	EA 40 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... 1,411.76		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 294.07		
26 19 18 00-0028	EA 100 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... 1,452.57		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 294.25		
26 19 18 00-0029	EA 200 A Primary Fuse Cutout 8.3 KV - 95 KV Loadbreak Current Limiting ..... 1,452.57		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 294.25		
26 19 18 00-0030	17.1 KV-95 KV BIL Loadbreak Current Limiting <small>(26 19 18 00-0023)</small>		
26 19 18 00-0031	EA 15 A Primary Fuse Cutout 17.1 KV - 95 KV Loadbreak Current Limiting ..... 1,085.38		326.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0032	17.1 KV-125 KV BIL Loadbreak Current Limiting <small>(26 19 18 00-0023)</small>		
26 19 18 00-0033	EA 15 A Primary Fuse Cutout 17.1 KV - 125 KV Loadbreak Current Limiting ..... 1,085.38		326.93
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0034	Fuseholders <small>(26 19 18 00-0023)</small> <small>Note: Includes current limiting fuses.</small>		
26 19 18 00-0035	EA 15 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting ..... 765.65		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 196.16		
26 19 18 00-0036	EA 25 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting ..... 929.12		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 245.20		
26 19 18 00-0037	EA 40 Amperes, 8.3 KV Primary Fuseholder With Fuse Loadbreak Current Limiting ..... 1,092.03		408.66
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 294.07		

**26 Electrical**  
**26 10 Medium-Voltage Electrical Distribution**  
**26 19 High-Voltage Circuit Protection**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 19 18 00-0038	EA		15 Amperes, 17.1 KV Primary Fuseholder With Fuse Loadbreak Current Limiting <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	765.65 196.16	408.66
<b>26 19 18 00-0039</b>			<b>Pole Mounted Capacitors (26 19 18 00-0023)</b>		
26 19 18 00-0040	EA		Capacitors - Pole Mounted 6 KVAR.....	1,877.69	329.54
<b>26 19 80</b>			<b>Transmission and Distribution Accessories (26 19)</b>		
<b>26 19 80 60</b>			<b>Structure Assemblies (26 19 80)</b>		
<b>26 19 80 60-0001</b>			<b>Pole Structure Assemblies (26 19 80 60)</b>		
<b>26 19 80 60-0002</b>			<b>5 KV Pole Structure Assemblies (26 19 80 60-0001)</b>		
			Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0003	EA		Type OH-1, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	659.99	310.58
26 19 80 60-0004	EA		Type OH-2, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,103.89	523.08
26 19 80 60-0005	EA		Type OH-3, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,203.85	408.66
26 19 80 60-0006	EA		Type OH-4, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	679.20	212.50
26 19 80 60-0007	EA		Type OH-5, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	870.17	294.23
26 19 80 60-0008	EA		Type OH-6, Single Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,544.20	588.47
26 19 80 60-0009	EA		Type OH-7, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,204.79	441.35
26 19 80 60-0010	EA		Type OH-8, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,228.17	882.70
26 19 80 60-0011	EA		Type OH-9, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,528.19	997.13
26 19 80 60-0012	EA		Type OH-10, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,367.29	490.39
26 19 80 60-0013	EA		Type OH-11, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,190.20	523.08
26 19 80 60-0014	EA		Type OH-12, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,259.48	1,062.51
26 19 80 60-0015	EA		Type OH-13, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,673.36	637.51
26 19 80 60-0016	EA		Type OH-14, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,061.13	457.70
26 19 80 60-0017	EA		Type OH-15, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,019.01	931.74
26 19 80 60-0018	EA		Type OH-16, Three Phase, 5 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,538.60	474.04
<b>26 19 80 60-0019</b>			<b>15 KV Pole Structure Assemblies (26 19 80 60-0001)</b>		
			Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0020	EA		Type OH-1, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	687.45	310.58
26 19 80 60-0021	EA		Type OH-2, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,143.12	523.08
26 19 80 60-0022	EA		Type OH-3, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,337.23	408.66
26 19 80 60-0023	EA		Type OH-4, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	726.27	212.50
26 19 80 60-0024	EA		Type OH-5, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	936.86	277.89
26 19 80 60-0025	EA		Type OH-6, Single Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,677.58	588.47
26 19 80 60-0026	EA		Type OH-7, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,302.87	441.35
26 19 80 60-0027	EA		Type OH-8, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,428.24	882.70
26 19 80 60-0028	EA		Type OH-9, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,798.87	997.13
26 19 80 60-0029	EA		Type OH-10, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,500.67	490.39
26 19 80 60-0030	EA		Type OH-11, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,241.19	523.08
26 19 80 60-0031	EA		Type OH-12, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,310.47	1,062.51
26 19 80 60-0032	EA		Type OH-13, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,775.36	637.51
26 19 80 60-0033	EA		Type OH-14, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,112.12	441.35
26 19 80 60-0034	EA		Type OH-15, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,070.00	931.74
26 19 80 60-0035	EA		Type OH-16, Three Phase, 15 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,640.60	572.12
<b>26 19 80 60-0036</b>			<b>25 KV Pole Structure Assemblies (26 19 80 60-0001)</b>		
			Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0037	EA		Type OH-3, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,967.50	490.39
26 19 80 60-0038	EA		Type OH-4, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,189.48	245.20
26 19 80 60-0039	EA		Type OH-5, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,728.02	375.97
26 19 80 60-0040	EA		Type OH-6, Single Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,350.84	768.28
26 19 80 60-0041	EA		Type OH-7, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,194.38	572.12
26 19 80 60-0042	EA		Type OH-8, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,604.99	1,127.90
26 19 80 60-0043	EA		Type OH-9, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,491.63	1,275.01
26 19 80 60-0044	EA		Type OH-13, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,413.61	743.75
26 19 80 60-0045	EA		Type OH-16, Three Phase, 25 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,115.79	743.75
<b>26 19 80 60-0046</b>			<b>50 KV Pole Structure Assemblies (26 19 80 60-0001)</b>		
			Note: Includes insulator with pin, bayonet, bolts, washers, and neutral wire brackets.		
26 19 80 60-0047	EA		Type OH-3, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,643.57	670.20
26 19 80 60-0048	EA		Type OH-4, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,430.92	343.27
26 19 80 60-0049	EA		Type OH-5, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	1,846.88	539.43
26 19 80 60-0050	EA		Type OH-6, Single Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,489.78	1,095.20
26 19 80 60-0051	EA		Type OH-7, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	2,670.29	817.32
26 19 80 60-0052	EA		Type OH-8, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	5,148.37	1,634.62
26 19 80 60-0053	EA		Type OH-9, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	6,056.91	1,814.43
26 19 80 60-0054	EA		Type OH-10, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,075.53	882.70
26 19 80 60-0055	EA		Type OH-13, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,137.79	1,021.64
26 19 80 60-0056	EA		Type OH-16, Three Phase, 50 KV, Pole Assembly Insulation With Pin, Bayonet, Bolts, Washer.....	3,017.60	964.43
<b>26 19 80 60-0057</b>			<b>Overhead To Underground Conversion Structures (26 19 80 60)</b>		
			Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination and neutral wire brackets. Excludes pole.		
<b>26 19 80 60-0058</b>			<b>5 KV Structures (26 19 80 60-0057)</b>		
			Note: Excludes pole.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 19 80 60-0059	EA		(3 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,564.17	3,269.26
26 19 80 60-0060	EA		(3 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,564.17	3,269.26
26 19 80 60-0061	EA		(4 Wire Tangent), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,564.17	3,269.26
26 19 80 60-0062	EA		(4 Wire Dead End), 5 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,564.17	3,269.26
<b>26 19 80 60-0063</b>			<b>15 KV Structures</b> <small>(26 19 80 60-0057)</small>		
			Note: Excludes pole.		
26 19 80 60-0064	EA		(3 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,748.76	3,269.26
26 19 80 60-0065	EA		(3 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,748.76	3,269.26
26 19 80 60-0066	EA		(4 Wire Tangent), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,748.76	3,269.26
26 19 80 60-0067	EA		(4 Wire Dead End), 15 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,748.76	3,269.26
<b>26 19 80 60-0068</b>			<b>25 KV Structures</b> <small>(26 19 80 60-0057)</small>		
			Note: Excludes pole.		
26 19 80 60-0069	EA		(3 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,950.12	3,269.26
26 19 80 60-0070	EA		(3 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,950.12	3,269.26
26 19 80 60-0071	EA		(4 Wire Tangent), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,950.12	3,269.26
26 19 80 60-0072	EA		(4 Wire Dead End), 25 KV, Overhead To Underground Conversion Structures, Without Poles .....	6,950.12	3,269.26
<b>26 19 80 60-0073</b>			<b>Transformer Stations</b> <small>(26 19 80 60)</small>		
			Note: Includes insulator with pin, bolts, washers, crossarms, fused cut out, arrestors, ground rods, clamps, conduit, molding, cable termination, neutral wire brackets and transformer mounting bracket(s). Excludes pole and transformer.		
<b>26 19 80 60-0074</b>			<b>5 KV Station</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0075	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole .....	10,377.04	4,356.68
26 19 80 60-0076	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 5 KV Transformer Station Without Pole .....	11,635.26	4,902.90
26 19 80 60-0077	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 5 KV Transformer Station Without Pole .....	12,893.49	5,448.76
26 19 80 60-0078	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 5 KV Transformer Station Without Pole .....	12,893.49	5,448.76
26 19 80 60-0079	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 5 KV Transformer Station Without Pole .....	10,377.04	4,356.68
<b>26 19 80 60-0080</b>			<b>15 KV Stations</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0081	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole .....	10,662.33	4,356.68
26 19 80 60-0082	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 15 KV Transformer Station Without Pole .....	11,920.56	4,902.90
26 19 80 60-0083	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 15 KV Transformer Station Without Pole .....	13,178.79	5,448.76
26 19 80 60-0084	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 15 KV Transformer Station Without Pole .....	13,178.79	5,448.76
26 19 80 60-0085	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 15 KV Transformer Station Without Pole .....	10,662.33	4,356.68
<b>26 19 80 60-0086</b>			<b>25 KV Stations</b> <small>(26 19 80 60-0073)</small>		
26 19 80 60-0087	EA		(Single Transformer, 1 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole .....	10,973.57	4,356.68
26 19 80 60-0088	EA		(Double Transformer, 1 Phase, 3 Wire Tangent), 25 KV Transformer Station Without Pole .....	12,231.79	4,902.90
26 19 80 60-0089	EA		(Triple Transformer, 3 Phase, 4 Wire Tangent), 25 KV Transformer Station Without Pole .....	13,490.02	5,448.76
26 19 80 60-0090	EA		(Triple Transformer, 3 Phase, 4 Wire Dead End), 25 KV Transformer Station Without Pole .....	13,490.02	5,448.76
26 19 80 60-0091	EA		(Single Transformer, 1 Phase, 2 Wire Tangent), 25 KV Transformer Station Without Pole .....	10,973.57	4,356.68

**26 20 Low-Voltage Electrical Distribution** (26)

**26 21 Low-Voltage Electrical Service Entrance** (26 20)

See CSI section 26 05 13 00-0000 for wire and cables.

**26 21 13 Low-Voltage Overhead Electrical Service Entrance** (26 21)

26 21 13 00-0001			Service Drop Cable And Weatherheads <small>(26 21 13)</small>		
26 21 13 00-0002			600 Volt Insulated Stranded Conductors <small>(26 21 13 00-0001)</small>		
26 21 13 00-0003			Aluminum Duplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0004	LF		#6 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	11.03	3.89
26 21 13 00-0005	LF		#4 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	13.50	4.61
26 21 13 00-0006	LF		#2 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	16.44	5.19
26 21 13 00-0007	LF		1/0 AWG, 600 Volt, Aluminum Duplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	22.77	6.54
26 21 13 00-0008			Aluminum Triplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0009	LF		#6 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	13.80	4.61
26 21 13 00-0010	LF		#4 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	16.05	5.19
26 21 13 00-0011	LF		#2 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	20.49	6.54
26 21 13 00-0012	LF		1/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	26.23	7.97
26 21 13 00-0013	LF		2/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	33.87	10.55
26 21 13 00-0014	LF		4/0 AWG, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	44.07	13.08
26 21 13 00-0015	LF		336 MCM, 600 Volt, Aluminum Triplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	63.15	15.57
26 21 13 00-0016			Aluminum Quadruplex ACSR Neutral <small>(26 21 13 00-0002)</small>		
26 21 13 00-0017	LF		#6 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	16.12	5.19
26 21 13 00-0018	LF		#4 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	20.48	6.54
26 21 13 00-0019	LF		#2 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	26.59	8.39
26 21 13 00-0020	LF		1/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	35.67	10.55
26 21 13 00-0021	LF		2/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	39.88	11.68



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 21 Low-Voltage Electrical Service Entrance**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 21 13 00-0022	LF	3/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	47.07	13.08
26 21 13 00-0023	LF	4/0 AWG, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	54.95	15.57
26 21 13 00-0024	LF	336 MCM, 600 Volt, Aluminum Quadruplex ACSR With Neutral Cable Service Drop, Stranded Cable .....	73.71	17.20
<b>26 21 13 00-0025</b>		<b>Weatherproof Conduit Hubs</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0026	EA	1/2" Weatherproof Conduit Hubs .....	70.70	27.13
26 21 13 00-0027	EA	3/4" Weatherproof Conduit Hubs .....	80.59	30.83
26 21 13 00-0028	EA	1" Weatherproof Conduit Hubs .....	92.94	34.53
26 21 13 00-0029	EA	1-1/4" Weatherproof Conduit Hubs .....	128.60	46.24
26 21 13 00-0030	EA	1-1/2" Weatherproof Conduit Hubs .....	140.95	49.94
26 21 13 00-0031	EA	2" Weatherproof Conduit Hubs .....	178.65	57.96
26 21 13 00-0032	EA	2-1/2" Weatherproof Conduit Hubs .....	228.95	65.36
26 21 13 00-0033	EA	3" Weatherproof Conduit Hubs .....	291.80	77.07
26 21 13 00-0034	EA	4" Weatherproof Conduit Hubs .....	526.12	154.14
<b>26 21 13 00-0035</b>		<b>Service Entrance Cap, Threaded Weatherhead, Galvanized</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0036	EA	1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #14 Through #10 AWG Cable Service.....	76.83	27.13
26 21 13 00-0037	EA	3/4" Galvanized Threaded Service Entrance Weatherhead Cap For #12 Through #8 AWG Cable Service.....	87.92	30.83
26 21 13 00-0038	EA	1" Galvanized Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	100.18	34.53
26 21 13 00-0039	EA	1-1/4" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	134.51	46.24
26 21 13 00-0040	EA	1-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For #4 Through #2 AWG Cable Service.....	150.61	49.94
26 21 13 00-0041	EA	2" Galvanized Threaded Service Entrance Weatherhead Cap For 1/0 Through 2/0 AWG Cable Service .....	193.00	57.96
26 21 13 00-0042	EA	2-1/2" Galvanized Threaded Service Entrance Weatherhead Cap For 3/0 Through 4/0 Cable Service .....	304.18	65.36
26 21 13 00-0043	EA	3" Galvanized Threaded Service Entrance Weatherhead Cap For 250 Through 350 MCM Cable Service.....	347.96	77.07
26 21 13 00-0044	EA	4" Galvanized Threaded Service Entrance Weatherhead Cap For 600 Through 750 MCM Cable Service.....	589.62	154.14
<b>26 21 13 00-0045</b>		<b>Service Entrance Cap, Clamp-On Weatherhead, Aluminum</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0046	EA	1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	74.86	27.13
26 21 13 00-0047	EA	3/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	84.62	30.83
26 21 13 00-0048	EA	1" Aluminum Clamp-On Service Entrance Weatherhead Cap For #6 AWG Cable Service .....	95.72	34.37
26 21 13 00-0049	EA	1-1/4" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	127.45	46.24
26 21 13 00-0050	EA	1-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service.....	141.07	49.94
26 21 13 00-0051	EA	2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service .....	165.75	57.96
26 21 13 00-0052	EA	2-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service .....	253.05	65.36
26 21 13 00-0053	EA	3" Aluminum Clamp-On Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	322.25	77.07
26 21 13 00-0054	EA	3-1/2" Aluminum Clamp-On Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	458.21	115.61
26 21 13 00-0055	EA	4" Aluminum Clamp-On Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	559.02	154.14
<b>26 21 13 00-0056</b>		<b>Service Entrance Cap, Threaded Weatherhead, Polyvinyl Chloride (PVC)</b> <small>(26 21 13 00-0002)</small>		
26 21 13 00-0057	EA	1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #14 To #12 AWG Cable Service.....	72.99	27.13
26 21 13 00-0058	EA	3/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #10 To #8 AWG Cable Service.....	83.40	30.83
26 21 13 00-0059	EA	1" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #6 AWG Cable Service.....	94.48	34.37
26 21 13 00-0060	EA	1-1/4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	125.97	46.24
26 21 13 00-0061	EA	1-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For #4 To #2 AWG Cable Service .....	136.99	49.94
26 21 13 00-0062	EA	2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 1/0 To 2/0 AWG Cable Service.....	166.34	57.96
26 21 13 00-0063	EA	2-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 3/0 To 4/0 Cable Service.....	262.11	65.36
26 21 13 00-0064	EA	3" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 250 To 350 MCM Cable Service.....	295.66	77.07
26 21 13 00-0065	EA	3-1/2" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 400 To 500 MCM Cable Service.....	499.50	115.61
26 21 13 00-0066	EA	4" Polyvinyl Chloride (PVC) Threaded Service Entrance Weatherhead Cap For 600 To 750 MCM Cable Service.....	688.78	154.14
<b>26 21 16</b>		<b>Low-Voltage Underground Electrical Service Entrance</b> <small>(26 21)</small>		
<b>26 21 16 00-0001</b>		<b>Aluminum Triplex For Underground Service, Direct Burial</b> <small>(26 21 16)</small>		
Note: Excludes excavation and backfill.				
26 21 16 00-0002	MLF	#6 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	6,370.70	1,453.02
26 21 16 00-0003	MLF	#4 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	7,485.58	1,538.51
26 21 16 00-0004	MLF	#2 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	9,133.29	1,634.62
26 21 16 00-0005	MLF	1/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	11,295.88	1,634.62
26 21 16 00-0006	MLF	2/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	12,691.83	1,743.65
26 21 16 00-0007	MLF	3/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	15,171.40	2,011.90
26 21 16 00-0008	MLF	4/0 AWG, 600 Volt, Aluminum Triplex URD With Neutral Cable, Stranded Cable, Direct Burial.....	18,364.84	2,615.40
<b>26 22</b>		<b>Low-Voltage Transformers</b> <small>(26 20)</small>		
<b>26 22 13</b>		<b>Low-Voltage Distribution Transformers</b> <small>(26 22)</small>		
<b>26 22 13 00-0001</b>		<b>Single Phase General Purpose "Dry Type" Transformers</b> <small>(26 22 13)</small>		
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor Use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.				
<b>26 22 13 00-0002</b>		<b>480 Volt, 120/240 Volt, General Purpose Dry Type Transformers</b> <small>(26 22 13 00-0001)</small>		
Note: 2-2.5 Percent taps above and 4-2.5 percent taps below.				
26 22 13 00-0003	EA	1 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	1,785.95	392.76
26 22 13 00-0004	EA	3 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	2,465.65	471.32
26 22 13 00-0005	EA	5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,159.98	491.74
26 22 13 00-0006	EA	7.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	3,860.56	510.58
26 22 13 00-0007	EA	10 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	5,550.37	549.86



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0008 EA 15 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	6,641.86	589.14
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	273.18	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	409.77	
26 22 13 00-0009 EA 25 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	7,287.24	628.42
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	301.52	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	452.28	
26 22 13 00-0010 EA 37.5 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	7,035.49	706.97
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	281.08	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	421.62	
26 22 13 00-0011 EA 50 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	8,411.42	785.52
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	342.02	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	513.03	
26 22 13 00-0012 EA 75 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	11,157.48	942.62
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	463.61	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	695.42	
26 22 13 00-0013 EA 100 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	14,191.71	1,099.73
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	599.61	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	899.42	
26 22 13 00-0014 EA 167 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	22,719.28	1,413.94
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	994.57	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,491.86	
26 22 13 00-0015 EA 250 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	41,192.22	1,728.15
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	1,886.80	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	2,830.19	
26 22 13 00-0016 EA 333 KVA, 480 Volt - 120/240 Volt Transformer, Dry, 1 Phase, 60 Hertz, General Purpose.....	64,808.94	1,963.80
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>	3,044.07	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>	4,566.10	
<b>26 22 13 00-0017 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)</b>		
Note: 1-10 Percent x 2-5 percent FCBN taps.		
26 22 13 00-0018 EA 3 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,000.07	471.32
26 22 13 00-0019 EA 5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	2,413.92	490.95
26 22 13 00-0020 EA 7.5 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,026.59	510.58
26 22 13 00-0021 EA 10 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	3,589.25	549.86
<b>26 22 13 00-0022 240 x 480 Volt, 120/240 Volt, General Purpose Dry Type Transformers (26 22 13 00-0001)</b>		
Note: 2-5 Percent x 4 - 2.5 percent FCBN taps.		
26 22 13 00-0023 EA 15 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	6,915.03	589.14
26 22 13 00-0024 EA 25 KVA, 240 x 480 Volt - 120/240 Volt Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	7,588.76	628.42
<b>26 22 13 00-0025 1 Phase Mounting Brackets (26 22 13 00-0001)</b>		
26 22 13 00-0026 EA 1 Phase Mounting Brackets (Set Of 2) For Transformers Up To 100 KVA.....	737.16	281.64
<b>26 22 13 00-0027 1 Phase Weathershields (26 22 13 00-0001)</b>		
Note: Use with types DT-3 and DS-3.		
26 22 13 00-0028 EA 37.5 KVA 1 Phase Weathershields, Set Of 2.....	196.81	
26 22 13 00-0029 EA 50 KVA 1 Phase Weathershields, Set Of 2.....	250.87	
26 22 13 00-0030 EA 75 KVA 1 Phase Weathershields, Set Of 2.....	299.16	
26 22 13 00-0031 EA 100 KVA 1 Phase Weathershields, Set Of 2.....	356.89	
26 22 13 00-0032 EA 167 KVA 1 Phase Weathershields, Set Of 2.....	482.85	
26 22 13 00-0033 EA 250 KVA 1 Phase Weathershields, Set Of 2.....	577.32	
26 22 13 00-0034 EA 333 KVA 1 Phase Weathershields, Set Of 2.....	708.53	
<b>26 22 13 00-0035 Packaged Power Supply (26 22 13 00-0001)</b>		
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0036 EA 5 KVA, 480 Volt - 120/240 Volt, Transformer With 6 - 1 Pole / 3 - 2 Pole Max 20 Amperes Breakers.....	3,875.39	490.95
26 22 13 00-0037 EA 7.5 KVA, 480 Volt - 120/240 Volt, Transformer With 8 - 1 Pole / 4 - 2 Pole Max 30 Amperes Breakers.....	4,404.50	510.58
26 22 13 00-0038 EA 10 KVA, 480 Volt - 120/240 Volt, Transformer With 10 - 1 Pole / 5 - 2 Pole Max 40 Amperes Breakers.....	4,774.81	549.86
26 22 13 00-0039 EA 15 KVA, 480 Volt - 120/240 Volt, Transformer With 16 - 1 Pole / 8 - 2 Pole Max 60 Amperes Breakers.....	5,948.12	589.14
26 22 13 00-0040 EA 25 KVA, 480 Volt - 120/240 Volt, Transformer With 24 - 1 Pole / 12 - 2 Pole Max 100 Amperes Breakers.....	8,371.45	628.42
<b>26 22 13 00-0041 240 Volt, 120/240 Volt, Single Phase Isolation Transformer Computer Grade (26 22 13 00-0001)</b>		
26 22 13 00-0042 EA 0.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	2,885.05	353.48
26 22 13 00-0043 EA 1 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	4,170.73	392.76
26 22 13 00-0044 EA 2.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	4,852.67	471.32
26 22 13 00-0045 EA 5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	5,390.55	490.95
26 22 13 00-0046 EA 7.5 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	6,112.12	510.58
26 22 13 00-0047 EA 10 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	7,975.12	549.86
26 22 13 00-0048 EA 15 KVA, 1 Phase, 240 Volt - 120/240 Volt, Isolation Transformer.....	10,457.43	589.14
<b>26 22 13 00-0049 1 Phase, 208/600 Volt, Dry General Purpose Transformer (26 22 13 00-0001)</b>		
26 22 13 00-0050 EA 15 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	12,988.96	589.14
26 22 13 00-0051 EA 25 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	13,458.99	628.42
26 22 13 00-0052 EA 30 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	13,970.64	667.70
26 22 13 00-0053 EA 37.5 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	18,579.15	706.97
26 22 13 00-0054 EA 45 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	19,297.19	746.24
26 22 13 00-0055 EA 50 KVA, 208/600 Volt, Transformer, 1 Phase, 60 Hertz, General Purpose, Dry.....	25,906.11	785.52

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 22 Low-Voltage Transformers**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0056	<b>3 Phase General Purpose "Dry Type" Transformer</b> (26 22 13)	
Note: 60 HZ type EP and EPT 115 C rise, 185 C insulation, type DT-3 and DS-3 150 C rise, 220 C insulation. Indoor use. Wall mounted for up to 10 KVA, floor mounted for 15 KVA and larger. DT-3 and DS-3 use weathershields for outdoor placement. UL listed.		
26 22 13 00-0057	<b>Packaged Power Supply</b> (26 22 13 00-0056)	
Note: 2-5 Percent FCBN taps.		
26 22 13 00-0058 EA 15 KVA, 480 Volt - 208/120 Volt, Transformer With 12 - 1 Pole / 4 - 3 Pole Max, 40 Amperes Breakers.....	17,246.84	1,688.87
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	693.46	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	1,040.18	
26 22 13 00-0059 EA 22.5 KVA, 480 Volt - 208/120 Volt, Transformer With 18 - 1 Pole / 6 - 3 Pole Max, 60 Amperes Breakers.....	20,800.20	1,806.70
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	859.34	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	1,289.01	
26 22 13 00-0060 EA 30 KVA, 480 Volt - 208/120 Volt, Transformer With 24 - 1 Pole / 8 - 3 Pole Max, 80 Amperes Breakers.....	25,015.57	1,963.80
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	1,054.40	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	1,581.60	
26 22 13 00-0061	<b>Drive Isolation Transformers</b> (26 22 13 00-0056)	
Note: Only use in step-up applications.		
26 22 13 00-0062	<b>230 Volt Drive Isolation Transformers</b> (26 22 13 00-0061)	
26 22 13 00-0063 EA 7.5 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,296.59	628.42
26 22 13 00-0064 EA 11 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,065.86	667.70
26 22 13 00-0065 EA 15 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,482.56	706.97
26 22 13 00-0066 EA 20 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	14,756.80	746.24
26 22 13 00-0067 EA 27 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,261.08	824.80
26 22 13 00-0068 EA 34 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	16,779.77	903.35
26 22 13 00-0069 EA 40 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	18,983.78	981.90
26 22 13 00-0070 EA 51 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	22,100.44	1,099.73
26 22 13 00-0071 EA 63 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,932.83	1,139.00
26 22 13 00-0072 EA 75 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	27,667.86	1,178.28
26 22 13 00-0073 EA 93 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	34,883.54	1,217.56
26 22 13 00-0074 EA 118 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	39,125.95	1,492.49
26 22 13 00-0075 EA 145 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	43,669.93	1,571.04
26 22 13 00-0076 EA 175 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	50,071.45	1,649.60
26 22 13 00-0077 EA 220 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	61,092.20	1,963.80
26 22 13 00-0078 EA 275 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	81,023.85	2,317.29
26 22 13 00-0079 EA 330 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	85,489.79	2,552.94
26 22 13 00-0080 EA 440 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	104,195.80	2,827.88
26 22 13 00-0081 EA 550 KVA, 230 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	128,710.80	3,142.09
26 22 13 00-0082	<b>208V Drive Isolation Transformers</b> (26 22 13 00-0061)	
26 22 13 00-0083 EA 7.5 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	10,756.71	628.42
26 22 13 00-0084 EA 11 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	12,612.04	667.70
26 22 13 00-0085 EA 15 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	13,045.96	706.97
26 22 13 00-0086 EA 20 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,431.96	746.24
26 22 13 00-0087 EA 27 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	15,953.90	824.80
26 22 13 00-0088 EA 30 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	17,463.35	864.08
26 22 13 00-0089 EA 45 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	19,928.66	1,021.18
26 22 13 00-0090 EA 51 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	23,113.40	1,099.73
26 22 13 00-0091 EA 63 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	25,035.07	1,139.00
26 22 13 00-0092 EA 75 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	28,956.21	1,178.28
26 22 13 00-0093 EA 93 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	36,535.17	1,217.56
26 22 13 00-0094 EA 118 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	40,965.53	1,492.49
26 22 13 00-0095 EA 145 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	45,732.80	1,571.04
26 22 13 00-0096 EA 175 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	52,452.16	1,649.60
26 22 13 00-0097 EA 220 KVA, 208 Volt, 3 Phase, Delta Primary: 460/266 Volt, 3 Phase, Secondary, Drive Isolation Transformers.....	64,001.88	1,963.80
26 22 13 00-0098	<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCBN Taps</b> (26 22 13 00-0056)	
26 22 13 00-0099 EA 9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	7,186.32	648.05
26 22 13 00-0100 EA 15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	9,496.02	706.97
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	404.10	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	606.16	
26 22 13 00-0101	<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 4-2.5 Percent FCBN Taps</b> (26 22 13 00-0056)	
26 22 13 00-0102 EA 30 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	10,606.10	864.08
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	443.90	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	665.85	
<i>For K4 Factor Rating, Add</i>		
	6,214.57	
<i>For K13 Factor Rating, Add</i>		
	8,877.95	
<i>For K20 Factor Rating, Add</i>		
	11,541.34	
26 22 13 00-0103 EA 37.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry.....	12,858.89	942.62
<i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	548.68	
<i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i>		
	823.02	
<i>For K4 Factor Rating, Add</i>		
	7,681.55	
<i>For K13 Factor Rating, Add</i>		
	10,973.64	
<i>For K20 Factor Rating, Add</i>		
	14,265.73	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13 00-0104	EA		45 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	13,424.81 569.12 853.68 7,967.72 11,382.45 14,797.19	1,021.18
26 22	13 00-0105	EA		50 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	17,756.75 777.86 1,166.80 10,890.10 15,557.29 20,224.48	1,099.73
26 22	13 00-0106	EA		75 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	17,460.34 755.19 1,132.78 10,572.65 15,103.78 19,634.91	1,178.28
26 22	13 00-0107	EA		112.5 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	21,762.23 946.72 1,420.08 13,254.05 18,934.35 24,614.66	1,413.94
26 22	13 00-0108	EA		150 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	28,393.95 1,262.59 1,893.89 17,676.30 25,251.66 32,827.42	1,571.04
26 22	13 00-0109	EA		225 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	38,817.78 1,744.51 2,616.76 24,423.12 34,890.17 45,357.22	1,963.80
26 22	13 00-0110	EA		300 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	47,294.09 2,121.19 3,181.79 29,696.70 42,423.66 55,151.02	2,435.12
26 22	13 00-0111	EA		500 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	68,092.83 3,106.14 4,659.21 43,486.00 62,122.66 80,759.72	2,984.98
26 22	13 00-0112	EA		750 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	158,758.67 7,576.59 11,364.89 106,072.32 151,531.88 196,991.44	3,607.55
26 22	13 00-0113	EA		1,000 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	209,600.23 10,087.25 15,130.88 141,221.51 201,745.02 262,268.53	3,927.61
26 22	13 00-0114			<b>480 Volt x 208Y/120 Volt, 2-2.5 Percent FCAN And 2-2.5 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22	13 00-0115	EA		6 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	5,808.35 3,213.55 4,590.79 5,968.03	608.78
26 22	13 00-0116	EA		9 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	7,186.32 4,123.15 5,890.21 7,657.27	648.05
26 22	13 00-0117	EA		15 KVA, 480 x 208 Y / 120 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	9,496.02 404.10 606.16 5,657.46 8,082.08 10,506.70	706.97
26 22	13 00-0118			<b>480 Volt x 480Y/277 Volt, 2-2.5 Percent FCAN And 4 Percent FCBN Taps</b> <small>(26 22 13 00-0056)</small>		
26 22	13 00-0119	EA		30 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry..... <i>For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add</i> <i>For K4 Factor Rating, Add</i> <i>For K13 Factor Rating, Add</i> <i>For K20 Factor Rating, Add</i>	18,627.70 844.98 1,267.47 11,829.69 16,899.55 21,969.42	864.08

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 22 Low-Voltage Transformers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22 13 00-0120	EA		45 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	20,848.19 940.29 1,410.44 13,164.08 18,805.83 24,447.58	1,021.18
26 22 13 00-0121	EA		75 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	30,957.99 1,430.07 2,145.11 20,021.00 28,601.43 37,181.86	1,178.28
26 22 13 00-0122	EA		112.5 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	38,904.52 1,803.83 2,705.75 25,253.65 36,076.64 46,899.63	1,413.94
26 22 13 00-0123	EA		150 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	46,936.69 2,189.73 3,284.60 30,656.22 43,794.60 56,932.98	1,571.04
26 22 13 00-0124	EA		225 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	60,195.17 2,813.38 4,220.07 39,387.29 56,267.56 73,147.83	1,963.80
26 22 13 00-0125	EA		300 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	73,160.96 3,414.54 5,121.80 47,803.51 68,290.73 88,777.95	2,435.12
26 22 13 00-0126	EA		500 KVA, 480 x 480 Y / 277 Volt, Transformer, 3 Phase, 60 Hertz, General Purpose, Dry For Stainless Steel Core With High Magnetic Permeability And Low Loss, Add For Silicon Steel Core With High Magnetic Permeability And Low Loss, Add For K4 Factor Rating, Add For K13 Factor Rating, Add For K20 Factor Rating, Add	118,133.83 5,608.19 8,412.29 78,514.70 112,163.86 145,813.02	2,984.98
26 22 13 00-0127			<b>3 Phase 60 Hz K20 Dry Type Transformers</b> (26 22 13 00-0056)		
26 22 13 00-0128			<b>3 Phase 60 Hz K20 Dry Type Transformers, 115 C Rise</b> (26 22 13 00-0127) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0129	EA		15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	8,846.31	706.97
26 22 13 00-0130	EA		30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	13,501.43	864.08
26 22 13 00-0131	EA		45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	19,970.01	1,021.18
26 22 13 00-0132	EA		75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	25,596.11	1,178.28
26 22 13 00-0133	EA		112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	38,676.05	1,413.94
26 22 13 00-0134	EA		150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	47,136.60	1,571.04
26 22 13 00-0135	EA		225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	54,733.34	1,963.80
26 22 13 00-0136	EA		300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	87,361.72	2,435.12
26 22 13 00-0137			<b>3 Phase 60 Hz K20 Dry Type Transformers, 80 C Rise</b> (26 22 13 00-0127) Note: 220 C insulation 480 V-208 Y/120 V. 2-2.5 Percent above and 4-2.5 percent taps below.		
26 22 13 00-0138	EA		15 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	10,338.50	706.97
26 22 13 00-0139	EA		30 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	15,857.51	864.08
26 22 13 00-0140	EA		45 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	23,554.12	1,021.18
26 22 13 00-0141	EA		75 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	30,236.89	1,178.28
26 22 13 00-0142	EA		112.5 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	45,844.26	1,413.94
26 22 13 00-0143	EA		150 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	55,939.79	1,571.04
26 22 13 00-0144	EA		225 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	64,893.06	1,963.80
26 22 13 00-0145	EA		300 KVA, 480 Volt - 208 Y / 120 Volt Transformer, 3 Phase, 60 Hertz, K20	103,861.44	2,435.12
26 22 13 00-0146			<b>NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0056)		
26 22 13 00-0147			<b>Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0146) Note: Two taps at 2.5%, four at -2.5%.		
26 22 13 00-0148			<b>150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> (26 22 13 00-0147)		
26 22 13 00-0149	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	3,831.29	705.83
26 22 13 00-0150	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	4,674.56	862.68
26 22 13 00-0151	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	5,622.70	1,019.53
26 22 13 00-0152	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	7,430.61	1,176.38
26 22 13 00-0153	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	9,841.18	1,411.65
26 22 13 00-0154	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer	12,126.75	1,568.50



		MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 22	13	00-0155	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	16,004.75	1,960.62
26 22	13	00-0156	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	22,327.45	2,431.17
26 22		13 00-0157			<b>115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0147)</small>		
26 22	13	00-0158	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	4,559.29	705.83
26 22	13	00-0159	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,556.39	862.68
26 22	13	00-0160	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,698.04	1,019.53
26 22	13	00-0161	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	8,954.21	1,176.38
26 22	13	00-0162	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	11,413.78	1,411.65
26 22	13	00-0163	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	14,823.68	1,568.50
26 22	13	00-0164	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	19,630.04	1,960.62
26 22	13	00-0165	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	27,566.98	2,431.17
26 22		13 00-0166			<b>80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0147)</small>		
26 22	13	00-0167	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	5,284.35	705.83
26 22	13	00-0168	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	6,440.67	862.68
26 22	13	00-0169	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	7,773.39	1,019.53
26 22	13	00-0170	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	10,475.37	1,176.38
26 22	13	00-0171	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	13,397.89	1,411.65
26 22	13	00-0172	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	17,520.60	1,568.50
26 22	13	00-0173	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	23,255.34	1,960.62
26 22	13	00-0174	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase, K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Aluminum Windings, NEMA Premium Efficient Dry Type Transformer.....	32,806.51	2,431.17
26 22		13 00-0175			<b>Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0146)</small>		
						Note: Two taps at 2.5%, four at -2.5%.	
26 22		13 00-0176			<b>150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0175)</small>		
26 22	13	00-0177	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,041.84	705.83
26 22	13	00-0178	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,146.73	862.68
26 22	13	00-0179	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,413.30	1,019.53
26 22	13	00-0180	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,968.31	1,176.38
26 22	13	00-0181	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,427.28	1,411.65
26 22	13	00-0182	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	16,714.71	1,568.50
26 22	13	00-0183	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	22,170.20	1,960.62
26 22	13	00-0184	EA		300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 150 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	31,241.26	2,431.17
26 22		13 00-0185			<b>115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0175)</small>		
26 22	13	00-0186	EA		15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	5,766.90	705.83
26 22	13	00-0187	EA		30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,031.01	862.68
26 22	13	00-0188	EA		45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	8,488.65	1,019.53
26 22	13	00-0189	EA		75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	11,491.93	1,176.38
26 22	13	00-0190	EA		112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	17,287.73	1,411.65
26 22	13	00-0191	EA		150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	21,677.44	1,568.50
26 22	13	00-0192	EA		225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	27,647.34	1,960.62



**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 22 Low-Voltage Transformers**

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
26 22	13 00-0193	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 115 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	40,914.43	2,431.17
26 22	13 00-0194	<b>80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformers</b> <small>(26 22 13 00-0175)</small>		
26 22	13 00-0195	EA 15 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	6,494.41	705.83
26 22	13 00-0196	EA 30 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	7,915.28	862.68
26 22	13 00-0197	EA 45 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	9,563.98	1,019.53
26 22	13 00-0198	EA 75 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	13,013.07	1,176.38
26 22	13 00-0199	EA 112.5 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	20,388.84	1,411.65
26 22	13 00-0200	EA 150 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	26,177.22	1,568.50
26 22	13 00-0201	EA 225 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	33,122.02	1,960.62
26 22	13 00-0202	EA 300 kVA, 480 Volt Delta 208Y/120 Volt, 3 Phase K-1, NEMA 2 Enclosure, 80 Degree C Temperature Rise, Copper Windings, NEMA Premium Efficient Dry Type Transformer.....	48,640.23	2,431.17
26 22	13 00-0203	<b>3 Phase Weathershields</b> <small>(26 22 13 00-0056)</small> Note: Use with type DT-3 and DS-3.		
26 22	13 00-0204	EA 45-112.5 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	1,963.40	
26 22	13 00-0205	EA 150-300 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	3,334.22	
26 22	13 00-0206	EA 500-1,000 KVA 3 Phase Weathershields With DT-3, DS-3, Set Of 2 .....	3,334.22	
26 22	13 00-0207	<b>Three Phase Mounting Brackets</b> <small>(26 22 13 00-0056)</small>		
26 22	13 00-0208	EA 3 Phase Mounting Brackets (Set Of 2) For Transformers Up To 112.5 KVA .....	1,611.40	281.64
26 22	13 00-0209	<b>Pad Mounted Commercial Type Distribution Transformers UL Listed</b> <small>(26 22 13)</small>		
26 22	13 00-0210	<b>Distribution 3 Phase Oil Filled Transformer</b> <small>(26 22 13 00-0209)</small> Note: Designed for loads as shopping centers, institutions, and industrial plants with underground distribution. KVA-75 thru 1000, 3 phase 95 thru 150 KV BIL standard features. With taps 4-1/2 percent below - 2-1/2 percent above and below.		
26 22	13 00-0211	<b>Factory Modifications</b> <small>(26 22 13 00-0210)</small> Note: For use with series 4100 3 phase transformers.		
26 22	13 00-0212	EA Current Limiting Fuse 95 KV Series 4100, 3 Phase Transformer, Factory Modification .....	3,597.68	
26 22	13 00-0213	EA Lightning Arrestors 9-10 KV Series 4100, 3 Phase Transformer, Factory Modification .....	585.02	
26 22	13 00-0214	EA Loadbreaker Oil Switch, 2 Position Series 4100, 3 Phase Transformer, Factory Modification.....	2,340.09	
26 22	13 00-0215	EA Loop Feed Air Switch Series 4100, 3 Phase Transformer, Factory Modification .....	6,741.93	
26 22	13 00-0216	EA Loadbreaker Inserts Series 4100, 3 Phase Transformer, Factory Modification .....	825.91	
26 22	13 00-0217	EA Lightning Arrestors, 15 KV Series 4100, 3 Phase Transformer, Factory Modification .....	653.85	
26 22	13 00-0218	<b>Accessories For Transformer Liquid Containment Area</b> <small>(26 22 13 00-0210)</small> Note: Reinforced concrete curb with 6" slab.		
26 22	13 00-0219	EA Containment Area For 75 KVA .....	9,800.33	2,907.97
26 22	13 00-0220	EA Containment Area For 112.5 KVA .....	9,800.33	2,907.97
26 22	13 00-0221	EA Containment Area For 150 KVA .....	9,800.33	2,907.97
26 22	13 00-0222	EA Containment Area For 225 KVA .....	9,800.33	2,907.97
26 22	13 00-0223	EA Containment Area For 300 KVA .....	9,789.90	2,907.97
26 22	13 00-0224	EA Containment Area For 500 KVA .....	9,789.90	2,907.97
26 22	13 00-0225	EA Containment Area For 750 KVA .....	9,886.26	2,907.97
26 22	13 00-0226	EA Containment Area For 1,000 KVA .....	11,283.43	2,907.97
26 22	13 00-0227	<b>Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 95 KV BIL</b> <small>(26 22 13 00-0210)</small> Note: Rated to 5 KVA.		
26 22	13 00-0228	EA 45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	21,813.99	1,882.19
26 22	13 00-0229	EA 75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	23,878.77	1,882.19
26 22	13 00-0230	EA 112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,255.29	1,882.19
26 22	13 00-0231	EA 150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	29,384.86	1,882.19
26 22	13 00-0232	EA 225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	31,337.03	2,823.30
26 22	13 00-0233	EA 300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	32,713.55	2,823.30

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 22 13 00-0234	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	49,231.82	2,823.30
26 22 13 00-0235	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	62,899.28	3,764.40
26 22 13 00-0236	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 480 Y / 277 Volt, 480 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	80,794.07	3,764.40
<b>26 22 13 00-0237</b>			<b>Primary 4.16 / 4.8 KV, Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 95 BIL. (26 22 13 00-0210)</b>		
			Note: Rated to 5 KVA.		
26 22 13 00-0238	EA		45 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	22,502.25	1,882.19
26 22 13 00-0239	EA		75 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,255.29	1,882.19
26 22 13 00-0240	EA		112.5 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	25,943.55	1,882.19
26 22 13 00-0241	EA		150 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	26,631.81	1,882.19
26 22 13 00-0242	EA		225 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	31,337.03	2,823.30
26 22 13 00-0243	EA		300 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	34,090.07	2,823.30
26 22 13 00-0244	EA		500 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	49,231.82	2,823.30
26 22 13 00-0245	EA		750 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	63,587.54	3,764.40
26 22 13 00-0246	EA		1,000 KVA, Primary 4.16 / 4.8 KV Ground Y / 7.2 - 14.4 KV, Secondary 208 Y / 120 Volt, 3 Phase, Oil Transformer, Pad Mounted.....	80,794.07	3,764.40
<b>26 22 13 00-0247</b>			<b>Pad Mounted Transformer 15 KV - 480 Volt, Oil Filled (26 22 13 00-0209)</b>		
26 22 13 00-0248	EA		1,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	142,646.87	6,990.02
26 22 13 00-0249	EA		2,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	175,879.03	8,038.56
26 22 13 00-0250	EA		2,500 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	200,405.89	8,461.58
26 22 13 00-0251	EA		3,000 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	212,565.57	9,457.11
26 22 13 00-0252	EA		3,750 KVA Pad Mounted Transformer, 15 KV - 480 Volt, Oil Filled.....	238,845.00	9,743.68
<b>26 22 13 00-0253</b>			<b>Foam Core Poly Transformer Pads (26 22 13)</b>		
26 22 13 00-0254	EA		Single Phase Foam Core Poly Pads.....	517.00	50.02
			Note: Excludes site prep.		

**26 24 Switchboards and Panelboards (26 20)**

**26 24 13 Switchboards (26 24)**

**26 24 13 00-0001 Fusible Switch Type 240 Volt, 3 Phase, 3 Wire (26 24 13)**

**26 24 13 00-0002 Incoming Service Section Main Device Only (26 24 13 00-0001)**

			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0003	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,905.77	1,348.31
26 24 13 00-0004	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,406.32	1,426.15
26 24 13 00-0005	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,477.51	1,617.75
26 24 13 00-0006	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,128.99	1,734.28
26 24 13 00-0007	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	14,302.40	1,849.12
26 24 13 00-0008	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	15,911.56	1,966.12
26 24 13 00-0009	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,834.20	1,348.31
26 24 13 00-0010	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	7,363.01	1,426.15
26 24 13 00-0011	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	10,125.34	1,619.13
26 24 13 00-0012	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,673.25	1,734.28
26 24 13 00-0013	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,302.40	1,850.97
26 24 13 00-0014	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	15,911.56	1,966.12
26 24 13 00-0015	EA		2,500 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	19,006.85	2,055.52
26 24 13 00-0016	EA		3,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	21,506.31	2,202.11
26 24 13 00-0017	EA		4,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	25,298.78	2,373.83
26 24 13 00-0018	EA		400 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,434.98	1,194.62
26 24 13 00-0019	EA		600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,774.44	1,271.85
26 24 13 00-0020	EA		800 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,326.19	1,464.07
26 24 13 00-0021	EA		1,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,647.88	1,525.57
26 24 13 00-0022	EA		1,200 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,930.84	1,580.60
26 24 13 00-0023	EA		1,600 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,387.89	1,694.67
26 24 13 00-0024	EA		2,000 Amperes, 240 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,821.93	1,810.89

**26 24 13 00-0025 Branch Breaker Units (26 24 13 00-0001)**

			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0026	EA		15 To 60 Amperes, 240 Volt, MC Branch Breaker.....	395.35	47.01
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	28.21	
26 24 13 00-0027	EA		70 To 100 Amperes, 240 Volt, MC Branch Breaker.....	581.13	73.99
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	44.39	
26 24 13 00-0028	EA		125 To 225 Amperes, 240 Volt, MC Branch Breaker.....	1,537.16	134.87
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	80.92	
26 24 13 00-0029	EA		100 To 400 Amperes, 240 Volt, MC Branch Breaker.....	2,705.50	175.73
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	105.44	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0030	EA		300 To 600 Amperes, 240 Volt, MC Branch Breaker.....	4,863.07	431.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.92	
26 24 13 00-0031	EA		400 To 800 Amperes, 240 Volt, MC Branch Breaker.....	7,689.82	431.61
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	258.92	
26 24 13 00-0032	EA		600 To 1,200 Amperes, 240 Volt, MC Branch Breaker.....	12,493.18	769.19
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	461.51	
<b>26 24 13 00-0033</b>			<b>Fusible Switch Type 480 Volt, 3 Phase, 3 Wire (26 24 13)</b>		
<b>26 24 13 00-0034</b>			<b>Incoming Service Section Main Device Only (26 24 13 00-0033)</b>		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0035	EA		400 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	6,922.28	1,749.54
26 24 13 00-0036	EA		600 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	7,698.75	1,749.54
26 24 13 00-0037	EA		800 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	11,138.83	2,273.64
26 24 13 00-0038	EA		1,200 Amperes, 480 Volt, 3 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	12,574.36	2,273.64
<b>26 24 13 00-0039</b>			<b>Fusible Switch Type 120/240 Volt, 1 Phase, 3 Wire (26 24 13)</b>		
<b>26 24 13 00-0040</b>			<b>Incoming Service Section Main Device Only (26 24 13 00-0039)</b>		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0041	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	4,407.93	1,194.62
26 24 13 00-0042	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	4,886.39	1,271.85
26 24 13 00-0043	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	7,306.82	1,464.07
26 24 13 00-0044	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Switch.....	7,934.61	1,579.37
26 24 13 00-0045	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	5,289.29	1,194.62
26 24 13 00-0046	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	6,592.61	1,271.85
26 24 13 00-0047	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	9,137.33	1,464.07
26 24 13 00-0048	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	12,927.08	1,579.37
26 24 13 00-0049	EA		2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With MC Main Breaker.....	15,145.95	1,772.66
26 24 13 00-0050	EA		200/400 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,161.76	1,040.32
26 24 13 00-0051	EA		600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	3,525.30	1,117.70
26 24 13 00-0052	EA		800 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,137.62	1,309.93
26 24 13 00-0053	EA		1,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,439.59	1,371.43
26 24 13 00-0054	EA		1,200 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	4,730.01	1,426.15
26 24 13 00-0055	EA		1,600 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,124.61	1,525.57
26 24 13 00-0056	EA		2,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	5,508.69	1,617.75
26 24 13 00-0057	EA		2,500 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	6,836.12	2,003.88
26 24 13 00-0058	EA		3,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	7,635.13	2,196.56
26 24 13 00-0059	EA		4,000 Amperes, 120/240 Volt, 1 Phase, 3 Wire, Distribution Switchboard With Main Lug.....	8,904.07	2,369.98
<b>26 24 13 00-0060</b>			<b>Branch Breaker Units (26 24 13 00-0039)</b>		
			Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 240 V, 2 pole. Use upper range to determine breaker unless designing for future expansion.		
26 24 13 00-0061	EA		15 To 60 Amperes, 120 / 240 Volt, MC Branch Breaker.....	218.41	40.85
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.51	
26 24 13 00-0062	EA		70 To 100 Amperes, 120 / 240 Volt, MC Branch Breaker.....	348.07	67.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40.69	
26 24 13 00-0063	EA		125 To 225 Amperes, 120 / 240 Volt, MC Branch Breaker.....	1,018.23	94.80
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	56.88	
26 24 13 00-0064	EA		100 To 400 Amperes, 120 / 240 Volt, MC Branch Breaker.....	2,870.67	121.78
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.07	
26 24 13 00-0065	EA		300 To 600 Amperes, 120/240 Volt, MC Branch Breaker.....	4,561.40	296.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.02	
26 24 13 00-0066	EA		400 To 800 Amperes, 120/240 Volt, MC Branch Breaker.....	6,437.11	296.72
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	178.02	
26 24 13 00-0067	EA		600 To 1,200 Amperes, 120/240 Volt, MC Branch Breaker.....	10,643.45	566.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	339.92	
<b>26 24 13 00-0068</b>			<b>Fusible Switch Type 120/208 Volt, 3 Phase, 4 Wire (26 24 13)</b>		
<b>26 24 13 00-0069</b>			<b>Incoming Service Section Main Device Only (26 24 13 00-0068)</b>		
			Note: Copper bus, non-metering type, with fuses.		
26 24 13 00-0070	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	4,907.65	1,348.31
26 24 13 00-0071	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	5,404.21	1,426.15
26 24 13 00-0072	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	8,474.80	1,617.75
26 24 13 00-0073	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,125.86	1,734.28
26 24 13 00-0074	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	14,295.29	1,849.12
26 24 13 00-0075	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	15,911.56	1,966.12
26 24 13 00-0076	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	5,836.08	1,348.31
26 24 13 00-0077	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	7,360.90	1,426.15
26 24 13 00-0078	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	10,125.34	1,619.13
26 24 13 00-0079	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	13,670.12	1,734.28
26 24 13 00-0080	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,298.84	1,850.97
26 24 13 00-0081	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	15,911.56	1,966.12
26 24 13 00-0082	EA		400 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,581.19	1,194.62
26 24 13 00-0083	EA		600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,980.55	1,271.85
26 24 13 00-0084	EA		800 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,634.50	1,464.07
26 24 13 00-0085	EA		1,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,968.30	1,525.57
26 24 13 00-0086	EA		1,200 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,289.35	1,580.60
26 24 13 00-0087	EA		1,600 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,733.93	1,694.67
26 24 13 00-0088	EA		2,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	6,184.91	1,810.89
26 24 13 00-0089	EA		2,500 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	7,308.52	2,057.84
26 24 13 00-0090	EA		3,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	8,058.65	2,201.96

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 13 00-0091	EA			4,000 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	9,429.54	2,366.12
<b>26 24 13 00-0092 Branch Breaker Units</b> <small>(26 24 13 00-0068)</small>						
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 120/208 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.						
26 24 13 00-0093	EA			15 To 60 Amperes, 120/208 Volt, MC Branch Breaker.....	395.35	47.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>28.21</i>	
26 24 13 00-0094	EA			70 To 100 Amperes, 120/208 Volt, MC Branch Breaker.....	581.13	73.99
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>44.39</i>	
26 24 13 00-0095	EA			125 To 225 Amperes, 120/208 Volt, MC Branch Breaker.....	1,537.16	134.87
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>80.92</i>	
26 24 13 00-0096	EA			100 To 400 Amperes, 120/208 Volt, MC Branch Breaker.....	2,705.50	175.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.44</i>	
26 24 13 00-0097	EA			300 To 600 Amperes, 120/208 Volt, MC Branch Breaker.....	4,863.07	431.61
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>258.92</i>	
26 24 13 00-0098	EA			400 To 800 Amperes, 120/208 Volt, MC Branch Breaker.....	7,689.82	431.61
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>258.92</i>	
26 24 13 00-0099	EA			600 To 1,200 Amperes, 120/208 Volt, MC Branch Breaker.....	12,493.18	769.19
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>461.51</i>	
<b>26 24 13 00-0100 Fusible Switch Type 277/480 Volt, 3 Phase, 4 Wire</b> <small>(26 24 13)</small>						
<b>26 24 13 00-0101 Incoming Service Section Main Device Only</b> <small>(26 24 13 00-0100)</small>						
Note: Copper bus, non-metering type, with fuses.						
26 24 13 00-0102	EA			400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	6,398.86	1,849.12
26 24 13 00-0103	EA			600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	7,000.06	1,966.12
26 24 13 00-0104	EA			800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	9,735.60	2,194.56
26 24 13 00-0105	EA			1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Switch.....	10,624.21	2,349.79
26 24 13 00-0106	EA			400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	7,975.13	1,849.12
26 24 13 00-0107	EA			600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	10,533.02	1,966.12
26 24 13 00-0108	EA			800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	11,923.29	2,197.03
26 24 13 00-0109	EA			1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	14,901.05	2,349.79
26 24 13 00-0110	EA			1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	15,608.20	2,505.62
26 24 13 00-0111	EA			2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With MC Main Breaker.....	17,301.98	2,661.31
26 24 13 00-0112	EA			400 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,581.19	1,194.62
26 24 13 00-0113	EA			600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	3,980.55	1,271.85
26 24 13 00-0114	EA			800 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,634.50	1,464.07
26 24 13 00-0115	EA			1,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	4,968.30	1,525.57
26 24 13 00-0116	EA			1,200 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,289.35	1,580.60
26 24 13 00-0117	EA			1,600 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	5,733.93	1,694.67
26 24 13 00-0118	EA			2,000 Amperes, 480/277 Volt, 3 Phase, 4 Wire, Distribution Switchboard With Main Lug.....	6,184.91	1,810.89
<b>26 24 13 00-0119 Branch Breaker Units</b> <small>(26 24 13 00-0100)</small>						
Note: Includes branch breaker(s) and portion of distribution section occupied by that breaker. 480 V, 3 pole. Use upper range to determine breaker unless designing for future expansion.						
26 24 13 00-0120	EA			15 To 60 Amperes, 480/277 Volt, MC Branch Breaker.....	800.25	47.01
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>28.21</i>	
26 24 13 00-0121	EA			70 To 100 Amperes, 480/277 Volt, MC Branch Breaker.....	929.53	73.99
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>44.39</i>	
26 24 13 00-0122	EA			125 To 225 Amperes, 480/277 Volt, MC Branch Breaker.....	1,685.94	134.87
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>80.92</i>	
26 24 13 00-0123	EA			100 To 400 Amperes, 480/277 Volt, MC Branch Breaker.....	2,705.50	175.73
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>105.44</i>	
26 24 13 00-0124	EA			300 To 600 Amperes, 480/277 Volt, MC Branch Breaker.....	6,486.43	431.61
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>258.92</i>	
26 24 13 00-0125	EA			400 To 800 Amperes, 480/277 Volt, MC Branch Breaker.....	6,631.44	431.61
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>258.92</i>	
26 24 13 00-0126	EA			600 To 1,200 Amperes, 480/277 Volt, MC Branch Breaker.....	10,668.32	769.19
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>461.51</i>	
<b>26 24 13 00-0127 Fusible Branch Circuit Switch</b> <small>(26 24 13)</small>						
Note: Includes switch fuses, and portion of distribution section occupied by that branch device.						
<b>26 24 13 00-0128 240 Volt, 2 Pole Twin Branch Switch Units</b> <small>(26 24 13 00-0127)</small>						
26 24 13 00-0129	EA			30/30 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	850.62	121.01
				<i>For Electrical Interlock Kit, Add</i>	<i>329.23</i>	
26 24 13 00-0130	EA			30/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	847.80	121.01
				<i>For Electrical Interlock Kit, Add</i>	<i>329.23</i>	
26 24 13 00-0131	EA			60/60 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	847.80	121.01
				<i>For Electrical Interlock Kit, Add</i>	<i>329.23</i>	
26 24 13 00-0132	EA			60/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,319.68	159.54
				<i>For Electrical Interlock Kit, Add</i>	<i>329.23</i>	
26 24 13 00-0133	EA			100/100 Amperes, 240 Volt, 2 Pole Twin Branch Switch Unit.....	1,319.68	159.54
				<i>For Electrical Interlock Kit, Add</i>	<i>329.23</i>	
<b>26 24 13 00-0134 240 Volt, 2 Pole Single Branch Switch Units</b> <small>(26 24 13 00-0127)</small>						
26 24 13 00-0135	EA			100 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	965.92	118.69
				<i>For Electrical Interlock Kit, Add</i>	<i>315.39</i>	
26 24 13 00-0136	EA			200 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	1,388.84	118.69
				<i>For Electrical Interlock Kit, Add</i>	<i>315.39</i>	
26 24 13 00-0137	EA			400 Amperes, 240 Volt, 2 Pole Single Branch Switch Unit.....	3,575.07	319.85



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0138			<b>240 Volt, 3 Pole Twin Branch Switch Units</b> (26 24 13 00-0127)		
26 24 13 00-0139	EA		30/30 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,083.30	136.42
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0140	EA		30/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,080.48	136.42
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0141	EA		60/60 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,080.48	136.42
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0142	EA		60/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,619.46	182.67
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0143	EA		100/100 Amperes, 240 Volt, 3 Pole Twin Branch Switch Unit.....	1,619.46	182.67
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0144			<b>240 Volt, 3 Pole Single Branch Switch Units</b> (26 24 13 00-0127)		
26 24 13 00-0145	EA		100 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,166.39	134.11
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0146	EA		200 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	1,855.83	134.11
			<i>For Electrical Interlock Kit, Add</i>	315.39	
26 24 13 00-0147	EA		400 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	4,762.90	358.07
26 24 13 00-0148	EA		600 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	6,782.72	458.74
26 24 13 00-0149	EA		800 Amperes, 240 Volt, 3 Pole Single Branch Switch Unit.....	12,540.97	621.51
26 24 13 00-0150			<b>600 Volt, 3 Pole Twin Branch Switch Units</b> (26 24 13 00-0127)		
26 24 13 00-0151	EA		30/30 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,510.23	136.42
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0152	EA		30/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,507.37	136.42
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0153	EA		60/60 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	1,510.23	136.42
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0154	EA		60/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,263.63	182.67
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0155	EA		100/100 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	2,311.30	182.67
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0156	EA		200/200 Amperes, 600 Volt, 3 Pole Twin Branch Switch Unit.....	4,867.45	238.92
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0157			<b>600 Volt, 3 Pole, Single Branch Switch Units</b> (26 24 13 00-0127)		
26 24 13 00-0158	EA		100 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	1,626.21	134.11
			<i>For Electrical Interlock Kit, Add</i>	329.23	
26 24 13 00-0159	EA		200 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	2,439.59	134.11
			<i>For Electrical Interlock Kit, Add</i>	315.39	
26 24 13 00-0160	EA		400 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	5,947.01	358.07
			<i>For Electrical Interlock Kit, Add</i>	315.39	
26 24 13 00-0161	EA		600 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	7,230.91	458.74
26 24 13 00-0162	EA		800 Amperes, 600 Volt, 3 Pole Single Branch Switch Unit.....	12,540.97	621.51
26 24 13 00-0163			<b>Service And Distribution Structures</b> (26 24 13)		
26 24 13 00-0164			<b>Distribution Section 600 Volt, 250 Volt DC</b> (26 24 13 00-0163)		
26 24 13 00-0165			<b>600 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0166	EA		14 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,432.99	1,418.13
26 24 13 00-0167	EA		24 To 30 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,057.53	1,418.13
26 24 13 00-0168	EA		34 To 38 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,519.45	1,803.49
26 24 13 00-0169	EA		42 To 48 Watt Distribution Section, 600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,017.43	1,803.49
26 24 13 00-0170			<b>800 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0171	EA		14 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	3,886.16	1,641.64
26 24 13 00-0172	EA		24 To 30 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,491.03	1,641.64
26 24 13 00-0173	EA		34 To 38 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,017.43	2,034.70
26 24 13 00-0174	EA		42 To 48 Watt Distribution Section, 800 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,464.77	2,034.70
26 24 13 00-0175			<b>1,200 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0176	EA		14 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	4,587.59	2,003.88
26 24 13 00-0177	EA		24 To 30 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,209.26	2,003.88
26 24 13 00-0178	EA		34 To 38 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,770.62	2,466.31
26 24 13 00-0179	EA		42 To 48 Watt Distribution Section, 1,200 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,426.00	2,466.31
26 24 13 00-0180			<b>1,600 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0181	EA		14 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,554.22	2,196.56
26 24 13 00-0182	EA		24 To 30 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,310.64	2,196.56
26 24 13 00-0183	EA		34 To 38 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,982.17	2,712.94
26 24 13 00-0184	EA		42 To 48 Watt Distribution Section, 1,600 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,553.07	2,712.94
26 24 13 00-0185			<b>2,000 Amperes, 4 Wire, Main Bus</b> (26 24 13 00-0164)		
26 24 13 00-0186	EA		14 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	5,840.00	2,204.27
26 24 13 00-0187	EA		24 To 30 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,663.53	2,481.73
26 24 13 00-0188	EA		34 To 38 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	6,784.54	2,481.73



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 13 00-0189 EA 42 To 48 Watt Distribution Section, 2,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,087.03	2,620.46
<b>26 24 13 00-0190 3,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0191 EA 24 To 30 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,814.00	2,481.73
26 24 13 00-0192 EA 34 To 38 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	7,933.20	2,481.73
26 24 13 00-0193 EA 42 To 48 Watt Distribution Section, 3,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	8,235.69	2,620.46
<b>26 24 13 00-0194 4,000 Amperes, 4 Wire, Main Bus (26 24 13 00-0164)</b>		
26 24 13 00-0195 EA 24 To 30 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	8,011.63	2,620.46
26 24 13 00-0196 EA 34 To 38 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	8,235.69	2,620.46
26 24 13 00-0197 EA 42 To 48 Watt Distribution Section, 4,000 Amperes, 4 Wire, 600 Volt AC, 250 Volt DC, Main Bus.....	8,344.91	2,620.46
<b>26 24 13 00-0198 Pull Boy, Horizontal Mounted Across Top Of Switch Board (26 24 13 00-0164)</b>		
26 24 13 00-0199 EA 18 - 24" Wide, 30" High, Open Bottom, Pull Boy Horizontal Mounted, Top Of Switchboard.....	686.62	184.97
26 24 13 00-0200 EA Drilled Bottom For Pull Boy.....	775.11	184.97
26 24 13 00-0201 EA Cable Supports In Pull Box.....	266.24	46.24
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25.69	
<b>26 24 13 00-0202 Underground Pull Sections (26 24 13 00-0164)</b>		
Note: Excludes no bus or terminal.		
26 24 13 00-0203 EA 12 To 20" Wide, 15 - 20" Deep, Underground Pull Section Without Bus Or Terminal.....	677.58	215.80
26 24 13 00-0204 EA 24 To 28" Wide, 20" Deep, Underground Pull Section Without Bus Or Terminal.....	1,146.37	277.46
26 24 13 00-0205 EA 24 To 28" Wide, 30" Deep, Underground Pull Section Without Bus Or Terminal.....	1,146.37	277.46
26 24 13 00-0206 EA 14 To 20" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	868.03	215.80
26 24 13 00-0207 EA 28 To 30" Wide, 36" Deep, Underground Pull Section Without Bus Or Terminal.....	1,225.36	315.99
26 24 13 00-0208 EA 14 To 20" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,405.37	315.99
26 24 13 00-0209 EA 26 To 30" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,481.91	408.48
26 24 13 00-0210 EA 38" Wide, 42 - 60" Deep, Underground Pull Section Without Bus Or Terminal.....	1,575.18	408.48
<b>26 24 13 00-0211 Switchboard Sections (26 24 13 00-0163)</b>		
26 24 13 00-0212 EA 600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,334.44	1,284.49
26 24 13 00-0213 EA 800 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	5,838.39	1,396.24
26 24 13 00-0214 EA 1,200 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	7,335.47	1,784.07
26 24 13 00-0215 EA 1,600 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	8,020.56	1,946.23
26 24 13 00-0216 EA 2,000 Amperes, 480 Volt, 4 Wire, Switchboard Incoming No Switch Circuit.....	8,552.23	2,071.86
26 24 13 00-0217 EA 400 Amperes, 480 Volt, Switchboard Incoming For Switch Circuit Section.....	6,181.21	1,126.80
26 24 13 00-0218 EA 200 Amperes, Distribution Section Subfeeder Lug-Rated.....	3,695.92	1,070.38
26 24 13 00-0219 EA 400 Amperes, Distribution Section Subfeeder Lug-Rated.....	4,084.87	1,160.71
26 24 13 00-0220 EA 120/208 Or 277/480 Volt, 4 Wire, Distribution Section Aluminum Bus.....	8,660.10	1,284.49
26 24 13 00-0221 EA 800 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	9,318.30	1,287.88
26 24 13 00-0222 EA 1,000 Amperes, Switchboard Distribution Section Aluminum Bus Less Breaker.....	10,239.49	1,437.86
26 24 13 00-0223 EA 15 To 60 Amperes, 240 Volt, 1 Phase, Feed Section Circuit Breaker FA Frame.....	214.62	77.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	47.07	
26 24 13 00-0224 EA 70 To 100 Amperes, 240 Volt, 3 Phase, Feed Section Circuit Breaker FA Frame.....	260.70	78.46
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.61	
26 24 13 00-0225 EA 70 To 225 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker KA Frame.....	1,112.71	92.64
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.80	
26 24 13 00-0226 EA 125 To 400 Amperes, 480 Volt, 3 Phase, Feed Section Circuit Breaker LA Frame.....	1,822.54	199.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.82	
26 24 13 00-0227 EA 100 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	745.95	278.07
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.34	
26 24 13 00-0228 EA 225 Amperes, 240 Volt HIC, 3 Phase, Switchboard Feed Section Branch Circuit Breaker.....	2,002.45	160.62
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	119.80	
<b>26 24 13 00-0229 Switchboard, Structure Per Section Copper, 480 Volt (26 24 13 00-0163)</b>		
26 24 13 00-0230 EA 225 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	2,766.63	668.98
26 24 13 00-0231 EA 400 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	3,916.13	904.68
26 24 13 00-0232 EA 600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	4,428.78	1,101.05
26 24 13 00-0233 EA 800 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	5,648.04	1,541.45
26 24 13 00-0234 EA 1,200 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,005.76	1,926.80
26 24 13 00-0235 EA 1,600 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	7,640.68	1,926.80
26 24 13 00-0236 EA 2,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	9,510.73	2,569.13
26 24 13 00-0237 EA 2,500 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	10,728.16	2,569.13
26 24 13 00-0238 EA 3,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	12,630.78	3,058.38
26 24 13 00-0239 EA 4,000 Amperes, 480 Volt, Copper, Structure Per Section, Switchboard.....	14,870.97	3,058.38
<b>26 24 13 00-0240 Main Devices (26 24 13)</b>		
<b>26 24 13 00-0241 Power Circuit Breakers (26 24 13 00-0240)</b>		
<b>26 24 13 00-0242 DSL Breaker With Current Limiters And Amptector (26 24 13 00-0241)</b>		
Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.		
26 24 13 00-0243 EA 50 To 800 Amperes, DSL-206, Main Breaker With Current Limiter, Amptector Static Trip.....	9,410.59	1,618.52
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	969.06	
26 24 13 00-0244 EA 50 To 1,600 Amperes, DSL-416, Main Breaker With Current Limiter, Amptector Static Trip.....	17,069.59	2,697.53
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,616.90	
26 24 13 00-0245 EA 1,200 To 3,200 Amperes, DSL-632, Main Breaker With Current Limiter, Amptector Static Trip.....	37,804.20	4,531.86
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,694.84	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 13 00-0246	EA	4,000 Amperes, DSL-840, Main Breaker With Current Limiter, Amptector Static Trip	60,995.14		7,337.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,480.95		
26 24 13 00-0247	EA	Ground-Fault Trip All Power Breakers - Factory Installed	3,048.66		
26 24 13 00-0248	EA	Key Interlock All Power Breakers - Factory Installed	393.73		
26 24 13 00-0249	EA	Short Time Delay Selective Trip - Factory Installed	516.54		
26 24 13 00-0250	EA	Shunt Trip Manually Open Breakers - Factory Installed	372.05		
<b>26 24 13 00-0251</b>		<b>DSL Breaker Electrical Operated And Amptector</b> <small>(26 24 13 00-0241)</small>			
		Note: 11 Static trip not applicable to ground-fault or plug in test feature. Manually operated.			
26 24 13 00-0252	EA	50 To 800 Amperes, DSL-206, Main Breaker, Electrical Operated With Amptector Static Trip	10,949.45		1,695.59
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,022.18		
26 24 13 00-0253	EA	50 To 1,600 Amperes, DSL-416, Main Breaker, Electrical Operated With Amptector Static Trip	20,207.14		2,851.67
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,702.63		
26 24 13 00-0254	EA	1,200 To 3,200 Amperes, DSL-632, Main Breaker, Electrical Operated With Amptector Static Trip	42,339.25		4,701.42
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,833.54		
26 24 13 00-0255	EA	4,000 Amperes, DSL-840, Main Breaker, Electrical Operated With Amptector Static Trip	65,634.09		7,707.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,738.06		
<b>26 24 13 00-0256</b>		<b>DS Breakers With Amptector Static Trip, Manually Operated</b> <small>(26 24 13 00-0241)</small>			
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted manually operated.			
26 24 13 00-0257	EA	50 To 800 Amperes, DS-206, Main Breaker With Groundfault, Amptector Static Trip	7,569.82		1,479.79
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	889.30		
26 24 13 00-0258	EA	50 To 1,600 Amperes, DS-416, Main Breaker With Groundfault, Amptector Static Trip	13,752.39		2,481.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,482.16		
26 24 13 00-0259	EA	2,000 Amperes, DS-420, Main Breaker With Groundfault, Amptector Static Trip	20,567.95		4,161.91
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,470.27		
26 24 13 00-0260	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker With Groundfault, Amptector Static Trip	35,395.92		6,705.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,114.18		
26 24 13 00-0261	EA	4,000 Amperes, DS-840, Main Breaker With Groundfault, Amptector Static Trip	57,699.54		10,944.27
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,840.74		
<b>26 24 13 00-0262</b>		<b>DS Breakers With Amptector Static Trip, Electrically Operated</b> <small>(26 24 13 00-0241)</small>			
		Note: Includes integral ground fault and plug-in test provision. Excludes system, add price from section drawout mounted electrical operated.			
26 24 13 00-0263	EA	50 To 800 Amperes, DS-206, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	8,794.59		1,418.13
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	848.19		
26 24 13 00-0264	EA	50 To 1,600 Amperes, DS-416, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	16,298.83		2,373.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,413.31		
26 24 13 00-0265	EA	2,000 Amperes, DS-420, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	23,443.76		3,946.11
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,359.36		
26 24 13 00-0266	EA	1,200 To 3,200 Amperes, DS-632, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	38,717.75		6,427.83
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,932.26		
26 24 13 00-0267	EA	4,000 Amperes, DS-840, Main Breaker, Electrical Operated With Groundfault, Amptector Static Trip	60,829.21		11,021.34
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,568.67		
<b>26 24 13 00-0268</b>		<b>Molded Case Circuit Breakers Conventional</b> <small>(26 24 13 00-0241)</small>			
26 24 13 00-0269	EA	70 To 225 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	3,463.29		1,294.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	745.86		
26 24 13 00-0270	EA	125 To 400 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	4,877.00		1,294.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	811.29		
26 24 13 00-0271	EA	300 To 600 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	5,402.53		1,541.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	889.30		
26 24 13 00-0272	EA	400 To 800 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	6,359.35		1,541.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	963.41		
26 24 13 00-0273	EA	600 To 1,200 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	9,186.77		1,849.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,055.79		
26 24 13 00-0274	EA	1,000 To 2,000 Amperes, 3 Pole, Conventional Molded Case Circuit Breaker	14,485.20		1,849.73
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,167.76		
26 24 13 00-0275	EA	Shunt Trip, Factory Installed	390.11		
26 24 13 00-0276	EA	Groundfault Trip Complete Interrupting Circuit, Factory Installed	90.30		
<b>26 24 13 00-0277</b>		<b>Switchboard Branch Breaker 480 Volt</b> <small>(26 24 13 00-0240)</small>			
26 24 13 00-0278	EA	60 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	662.15		111.75
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.02		
26 24 13 00-0279	EA	100 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	787.59		148.29
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.93		
26 24 13 00-0280	EA	225 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,195.56		223.20
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	133.96		
26 24 13 00-0281	EA	400 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	2,896.15		280.08
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.04		
26 24 13 00-0282	EA	600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	3,519.98		375.65
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	225.36		
26 24 13 00-0283	EA	800 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	4,262.29		481.71
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	289.02		
26 24 13 00-0284	EA	1,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,839.42		734.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	440.42		
26 24 13 00-0285	EA	1,200 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	6,839.42		734.03
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	440.42		
26 24 13 00-0286	EA	1,600 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	9,591.95		1,027.68
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	616.58		
26 24 13 00-0287	EA	2,000 Amperes, 3 Phase, 480 Volt Switchboard Branch Breaker	12,072.12		1,541.45
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	924.87		

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 24 13 00-0288</b>	<b>Switchboard 277/480 Volt Main Breaker</b> <small>(26 24 13 00-0240)</small>		
26 24 13 00-0289	EA 400 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	7,702.24	668.98
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	401.42	
26 24 13 00-0290	EA 600 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	7,829.43	732.65
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	439.58	
26 24 13 00-0291	EA 800 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	8,566.25	1,101.05
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	660.62	
26 24 13 00-0292	EA 1,200 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	14,515.96	1,541.45
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	924.87	
26 24 13 00-0293	EA 1,600 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	14,843.34	1,705.15
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,023.08	
26 24 13 00-0294	EA 2,000 Amperes, 277/480 Volt, Main Breaker, Switchboard .....	19,917.39	3,058.38
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,835.06	

**26 24 13 00-0295 Branch Or Distribution Devices** (26 24 13)

<b>26 24 13 00-0296</b>	<b>3 Pole, Panel Mounted, Molded Case Circuit Breakers</b> <small>(26 24 13 00-0295)</small>		
	<small>Note: Includes certified refurbished circuit breakers.</small>		
26 24 13 00-0297	EA 15 To 60 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	683.37	55.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 24 13 00-0298	EA 70 To 100 Amperes, 600 Volt, Type EHB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	694.60	69.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 24 13 00-0299	EA 125 To 150 Amperes, 600 Volt, Type FB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	1,643.47	83.24
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	
26 24 13 00-0300	EA 70 To 225 Amperes, 600 Volt, Type JDB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	2,378.76	107.90
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.68	
26 24 13 00-0301	EA 125 To 400 Amperes, 600 Volt, Type LBB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	3,347.62	133.18
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.79	
26 24 13 00-0302	EA 300 To 600 Amperes, 600 Volt, Type LC, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	4,378.41	155.69
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	104.05	
26 24 13 00-0303	EA 900 To 1,000 Amperes, 600 Volt, Type NB, 3 Pole, Panel Mounted, Molded Case Circuit Breaker .....	6,663.08	175.73
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	117.46	

**26 24 13 00-0304 2 Pole, Panel Mounted, Molded Case Circuit Breakers** (26 24 13 00-0295)

	<small>Note: Includes certified refurbished circuit breakers.</small>		
26 24 13 00-0305	EA 15 To 60 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker .....	472.00	41.62
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 24 13 00-0306	EA 70 To 100 Amperes, 600 Volt, Type EHB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker .....	607.11	55.49
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 24 13 00-0307	EA 125 To 150 Amperes, 600 Volt, Type FB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker .....	1,633.11	69.36
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 24 13 00-0308	EA 70 To 225 Amperes, 600 Volt, Type JDB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker .....	2,576.28	77.07
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.87	
26 24 13 00-0309	EA 125 To 400 Amperes, 600 Volt, Type LBB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker .....	2,729.11	100.19
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.05	
26 24 13 00-0310	EA 900 To 1,000 Amperes, 600 Volt, Type NB, 2 Pole, Panel Mounted, Molded Case Circuit Breaker .....	6,157.67	145.67
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.11	

**26 24 13 00-0311 Meter Devices And Instrumentation** (26 24 13)

	<small>Note: Factory installed accessories.</small>		
<b>26 24 13 00-0312</b>	<b>Compartments For Instrument Transformers And Metering Devices</b> <small>(26 24 13 00-0311)</small>		
26 24 13 00-0313	EA Compartment For, Up To 800 Amperes, Primary Current Transformer .....	471.39	
26 24 13 00-0314	EA Compartment For, 1,000 To 1,500 Amperes, Primary Current Transformer .....	680.89	
26 24 13 00-0315	EA Compartment For, 2,000 To 6,000 Amperes, Primary Current Transformer .....	801.90	

**26 24 13 00-0316 Instruments** (26 24 13 00-0311)

26 24 13 00-0317	EA AC Voltmeter .....	642.96	
26 24 13 00-0318	EA AC Ammeter .....	642.96	
26 24 13 00-0319	EA AC Wattmeter .....	1,717.58	
26 24 13 00-0320	EA Variometer .....	1,939.73	
26 24 13 00-0321	EA Power Factor Meter .....	1,549.62	
26 24 13 00-0322	EA Frequency Meter .....	1,710.36	
26 24 13 00-0323	EA 200 Volt-Amperes Max Potential Transformer .....	577.95	
26 24 13 00-0324	EA AC Watt-hour Meter Indicating 1 Or 2 Element With Test Block And Plug Block .....	2,176.33	
26 24 13 00-0325	EA AC Watt-hour Meter Recording 2 Element With Recording KW Demand Type R-2 .....	3,641.06	
26 24 13 00-0326	EA Weatherproof, Modify Meter .....	3,652.70	
26 24 13 00-0327	EA Control Switch Resistor Type 130 V .....	89.57	
26 24 13 00-0328	EA Metering Instrument: Voltage, Amperes And Watt Hour .....	4,392.03	

**26 24 16 Panelboards** (26 24)

<b>26 24 16 00-0001</b>	<b>Branch Circuit Panelboard</b> <small>(26 24 16)</small>		
	<small>Note: Includes wiring connections, drilling hole (or removing knock-out on residential units), labeling and testing. All NEMA 3R panelboards include weatherproof hubs. Copper bussing. Panelboards with less than a 30 circuit capacity do not have the door in a door trim front option.</small>		
<b>26 24 16 00-0002</b>	<b>Assembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small>		
	<small>Note: Includes main lugs or breaker (as indicated), 20 Amp, 1 pole branch circuit plug-on breakers (the number of which is indicated), Panelboard box, trim and connection of main service cable from meter.</small>		

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 16 00-0003		120/240 Volt, 3 Wire, 1 Phase, Main Lugs Assembled Panelboards <small>(26 24 16 00-0002)</small>			
26 24 16 00-0004	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,487.42		439.32
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0005	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,700.25		439.32
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0006	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	1,938.64		608.87
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0007	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,177.58		608.87
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0008	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,404.35		763.02
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0009	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	2,636.94		763.02
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0010	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	2,861.13		878.62
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0011	EA	125 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,163.65		1,063.60
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0012	EA	200 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,413.25		1,493.66
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91		
26 24 16 00-0013	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,449.41		1,125.25
		<i>For NEMA 3R Panelboard, Add</i> .....	1,722.12		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	125.84		
26 24 16 00-0014	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,639.54		1,125.25
		<i>For NEMA 3R Panelboard, Add</i> .....	1,722.12		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	125.84		
26 24 16 00-0015	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	3,822.41		1,287.11
		<i>For NEMA 3R Panelboard, Add</i> .....	1,722.12		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	125.84		
26 24 16 00-0016	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,115.11		1,287.11
		<i>For NEMA 3R Panelboard, Add</i> .....	2,034.24		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91		
26 24 16 00-0017	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	4,293.47		1,448.96
		<i>For NEMA 3R Panelboard, Add</i> .....	2,034.24		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91		
26 24 16 00-0018	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	4,562.73		1,448.96
		<i>For NEMA 3R Panelboard, Add</i> .....	2,034.24		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91		
26 24 16 00-0019	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	4,732.58		1,603.11
		<i>For NEMA 3R Panelboard, Add</i> .....	2,034.24		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91		
26 24 16 00-0020	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	4,996.38		1,603.11
		<i>For NEMA 3R Panelboard, Add</i> .....	2,034.24		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91		
26 24 16 00-0021	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,244.63		1,772.66
		<i>For NEMA 3R Panelboard, Add</i> .....	2,034.24		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91		
26 24 16 00-0022	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	5,411.27		1,772.66
		<i>For NEMA 3R Panelboard, Add</i> .....	2,117.23		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	274.68		
26 24 16 00-0023	EA	225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	5,667.25		1,772.66
		<i>For NEMA 3R Panelboard, Add</i> .....	2,117.23		
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	274.68		
26 24 16 00-0024		120/240 Volt, 3 Wire, 1 Phase, Main Breaker Assembled Panelboards <small>(26 24 16 00-0002)</small>			
26 24 16 00-0025	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,728.58		423.90
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0026	EA	50 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	1,944.75		423.90
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0027	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,454.85		724.48
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		
26 24 16 00-0028	EA	100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,779.91		724.48
		<i>For NEMA 3R Panelboard, Add</i> .....	1,565.96		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0029	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,011.09	886.33
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0030	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,252.76	886.33
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0031	EA		100 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,466.22	1,063.60
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0032	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,183.96	1,063.60
			<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0033	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,376.16	1,302.53
			<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0034	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,585.83	1,302.53
			<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0035	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	4,816.48	1,464.38
			<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0036	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,001.50	1,464.38
			<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0037	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	5,199.48	1,603.11
			<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0038	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	5,412.40	1,603.11
			<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0039	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	5,642.69	1,895.98
			<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0040	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	5,893.32	1,895.98
			<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0041	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	6,168.01	1,895.98
			<i>For NEMA 3R Panelboard, Add</i>	2,117.23	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
26 24 16 00-0042	EA		225 Ampere Rating, 120/240 Volt, 3 Wire, 1 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	6,335.27	2,003.88
			<i>For NEMA 3R Panelboard, Add</i>	2,117.23	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
<b>26 24 16 00-0043</b>			<b>120/208 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0044	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,786.71	500.97
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0045	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,013.90	500.97
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0046	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,270.05	670.53
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0047	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,536.80	670.53
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0048	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	2,777.44	824.67
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0049	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,035.27	824.67
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0050	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,276.89	978.82
			<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0051	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	3,531.59	978.82
			<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0052	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	3,762.94	1,148.37
			<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0053	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,029.28	1,148.37
			<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0054	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,305.30 1,722.12 125.84	1,325.65
26 24 16 00-0055	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,571.58 1,722.12 125.84	1,325.65
26 24 16 00-0056	EA		200 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,264.83 2,034.24 214.91	1,690.20
26 24 16 00-0057	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,118.06 2,034.24 214.91	1,603.11
26 24 16 00-0058	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,309.14 2,034.24 214.91	1,603.11
26 24 16 00-0059	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,617.12 2,034.24 214.91	1,780.37
26 24 16 00-0060	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,903.97 2,034.24 214.91	1,780.37
26 24 16 00-0061	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,100.39 2,117.23 274.68	1,942.22
26 24 16 00-0062	EA		225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,394.58 2,117.23 274.68	1,942.22
26 24 16 00-0063	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,126.28 2,034.24 214.91	1,723.33
26 24 16 00-0064	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,336.80 2,034.24 214.91	1,811.20
26 24 16 00-0065	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,659.98 2,034.24 214.91	1,907.54
26 24 16 00-0066	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,970.49 2,034.24 214.91	2,019.29
26 24 16 00-0067	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,180.81 2,117.23 274.68	2,080.96
26 24 16 00-0068	EA		400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,530.84 2,117.23 274.68	2,208.13
26 24 16 00-0069			<b>120/208 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <sup>(26 24 16 00-0002)</sup>		
26 24 16 00-0070	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,082.99 1,565.96	485.56
26 24 16 00-0071	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,313.33 1,565.96	485.56
26 24 16 00-0072	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,583.11 1,565.96	639.70
26 24 16 00-0073	EA		50 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, Up To 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	2,942.39 1,565.96	639.70
26 24 16 00-0074	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,525.98 1,565.96	963.40
26 24 16 00-0075	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	3,759.89 1,565.96	963.40
26 24 16 00-0076	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i>	4,015.70 1,565.96	1,125.25
26 24 16 00-0077	EA		100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,232.10 1,722.12 125.84	1,125.25

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0078 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,517.57	1,302.53
For NEMA 3R Panelboard, Add	1,722.12	
For Door-In-Door (Hinged) Trim Front, Add	125.84	
26 24 16 00-0079 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	4,719.22	1,302.53
For NEMA 3R Panelboard, Add	1,722.12	
For Door-In-Door (Hinged) Trim Front, Add	125.84	
26 24 16 00-0080 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,030.33	1,464.38
For NEMA 3R Panelboard, Add	1,722.12	
For Door-In-Door (Hinged) Trim Front, Add	125.84	
26 24 16 00-0081 EA 100 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,293.04	1,464.38
For NEMA 3R Panelboard, Add	1,722.12	
For Door-In-Door (Hinged) Trim Front, Add	125.84	
26 24 16 00-0082 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,195.26	1,695.59
For NEMA 3R Panelboard, Add	2,034.24	
For Door-In-Door (Hinged) Trim Front, Add	214.91	
26 24 16 00-0083 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	6,477.13	1,788.08
For NEMA 3R Panelboard, Add	2,034.24	
For Door-In-Door (Hinged) Trim Front, Add	214.91	
26 24 16 00-0084 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	6,601.47	1,788.08
For NEMA 3R Panelboard, Add	2,034.24	
For Door-In-Door (Hinged) Trim Front, Add	214.91	
26 24 16 00-0085 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	6,920.19	2,019.29
For NEMA 3R Panelboard, Add	2,034.24	
For Door-In-Door (Hinged) Trim Front, Add	214.91	
26 24 16 00-0086 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	7,135.89	2,019.29
For NEMA 3R Panelboard, Add	2,117.23	
For Door-In-Door (Hinged) Trim Front, Add	274.68	
26 24 16 00-0087 EA 225 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	7,287.78	2,019.29
For NEMA 3R Panelboard, Add	2,117.23	
For Door-In-Door (Hinged) Trim Front, Add	274.68	
26 24 16 00-0088 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	7,235.57	1,857.44
For NEMA 3R Panelboard, Add	2,034.24	
For Door-In-Door (Hinged) Trim Front, Add	214.91	
26 24 16 00-0089 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	7,545.80	1,965.34
For NEMA 3R Panelboard, Add	2,034.24	
For Door-In-Door (Hinged) Trim Front, Add	214.91	
26 24 16 00-0090 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,674.84	2,019.29
For NEMA 3R Panelboard, Add	2,034.24	
For Door-In-Door (Hinged) Trim Front, Add	214.91	
26 24 16 00-0091 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	8,020.13	2,142.61
For NEMA 3R Panelboard, Add	2,034.24	
For Door-In-Door (Hinged) Trim Front, Add	214.91	
26 24 16 00-0092 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	8,235.05	2,204.27
For NEMA 3R Panelboard, Add	2,117.23	
For Door-In-Door (Hinged) Trim Front, Add	274.68	
26 24 16 00-0093 EA 400 Ampere Rating, 120/208 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	8,445.59	2,281.34
For NEMA 3R Panelboard, Add	2,117.23	
For Door-In-Door (Hinged) Trim Front, Add	274.68	
<b>26 24 16 00-0094 480 Volt, 3 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0095 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	1,988.36	493.27
For NEMA 3R Panelboard, Add	1,565.96	
26 24 16 00-0096 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,284.31	493.27
For NEMA 3R Panelboard, Add	1,565.96	
26 24 16 00-0097 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	2,567.04	678.24
For NEMA 3R Panelboard, Add	1,565.96	
26 24 16 00-0098 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	2,862.96	678.24
For NEMA 3R Panelboard, Add	1,565.96	
26 24 16 00-0099 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,137.31	847.80
For NEMA 3R Panelboard, Add	1,565.96	
26 24 16 00-0100 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,427.68	847.80
For NEMA 3R Panelboard, Add	1,565.96	
26 24 16 00-0101 EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	3,731.78	1,025.06
For NEMA 3R Panelboard, Add	1,565.96	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0102	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,008.44 1,722.12 125.84	1,025.06
26 24 16 00-0103	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,315.04 1,722.12 125.84	1,217.74
26 24 16 00-0104	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,610.19 1,722.12 125.84	1,217.74
26 24 16 00-0105	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,879.58 1,722.12 125.84	1,387.31
26 24 16 00-0106	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,169.95 1,722.12 125.84	1,387.31
26 24 16 00-0107	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,801.25 2,034.24 214.91	1,687.88
26 24 16 00-0108	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,091.26 2,034.24 214.91	1,687.88
26 24 16 00-0109	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,401.61 2,034.24 214.91	1,849.73
26 24 16 00-0110	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,621.53 2,034.24 214.91	1,849.73
26 24 16 00-0111	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,969.63 2,117.23 274.68	2,042.41
26 24 16 00-0112	EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	7,211.08 2,117.23 274.68	2,042.41
26 24 16 00-0113	<b>480 Volt, 3 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0114	EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,513.61 1,565.96	524.10
26 24 16 00-0115	EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	2,802.25 1,565.96	570.34
26 24 16 00-0116	EA 50 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, Up To 50 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,094.36 1,565.96	709.07
26 24 16 00-0117	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,727.74 1,565.96	863.21
26 24 16 00-0118	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	4,009.54 1,565.96	955.70
26 24 16 00-0119	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Amp Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	4,264.25 1,565.96	1,032.77
26 24 16 00-0120	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	4,547.45 1,565.96	1,125.25
26 24 16 00-0121	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,819.06 1,722.12 125.84	1,217.74
26 24 16 00-0122	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,065.47 1,722.12 125.84	1,294.82
26 24 16 00-0123	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,331.63 1,722.12 125.84	1,371.89
26 24 16 00-0124	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,621.63 1,722.12 125.84	1,464.38
26 24 16 00-0125	EA 100 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,940.84 1,722.12 125.84	1,579.98

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0126 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	7,379.82	1,757.25
<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0127 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	7,684.90	1,865.15
<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0128 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,894.75	1,911.39
<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0129 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	8,240.85	2,034.70
<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0130 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers.....	8,474.15	2,111.79
<i>For NEMA 3R Panelboard, Add</i>	2,117.23	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
26 24 16 00-0131 EA 225 Ampere Rating, 480 Volt, 3 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers.....	8,716.98	2,178.07
<i>For NEMA 3R Panelboard, Add</i>	2,117.23	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
<b>26 24 16 00-0132 277/480 Volt, 4 Wire, 3 Phase, Main Lugs Assembled Panelboards</b> <small>(26 24 16 00-0002)</small>		
26 24 16 00-0133 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 12 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers.....	2,396.99	539.51
<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0134 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers.....	2,722.21	539.51
<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0135 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers.....	3,038.06	716.77
<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0136 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers.....	3,356.79	716.77
<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0137 EA 100 Ampere Rating , 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers.....	3,681.31	886.33
<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0138 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers.....	3,998.34	886.33
<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0139 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers.....	4,321.19	1,063.60
<i>For NEMA 3R Panelboard, Add</i>	1,565.96	
26 24 16 00-0140 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers.....	4,642.52	1,063.60
<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0141 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers.....	4,997.02	1,248.58
<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0142 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers.....	5,288.00	1,248.58
<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0143 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers.....	5,597.55	1,256.28
<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0144 EA 100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 32 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	5,929.45	1,256.28
<i>For NEMA 3R Panelboard, Add</i>	1,722.12	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0145 EA 200 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers.....	6,905.90	1,835.09
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0146 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers.....	6,765.56	1,741.83
<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0147 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers.....	7,104.52	1,741.83
<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0148 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers.....	7,357.64	1,834.32
<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0149 EA 225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers.....	7,731.22	1,957.63
<i>For NEMA 3R Panelboard, Add</i>	2,034.24	
<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	



**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 16 00-0150	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,004.03 2,117.23 274.68	1,957.63
26 24 16 00-0151	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, Main Lugs, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,422.78 2,117.23 274.68	2,142.61
<b>26 24 16 00-0152</b>			<b>277/480 Volt, 4 Wire, 3 Phase, Main Breaker Assembled Panelboards</b> <sup>(26 24 16 00-0002)</sup>		
26 24 16 00-0153	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,099.47 1,565.96	662.82
26 24 16 00-0154	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Ten 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,433.25 1,565.96	662.82
26 24 16 00-0155	EA		50 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, 50 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Twelve 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	3,753.07 1,565.96	878.62
26 24 16 00-0156	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Fourteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	4,475.75 1,565.96	878.62
26 24 16 00-0157	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 20 Circuit Capacity Assembled Panelboard With Sixteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	4,788.06 1,565.96	1,109.84
26 24 16 00-0158	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Eighteen 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	5,099.81 1,565.96	1,109.84
26 24 16 00-0159	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 24 Circuit Capacity Assembled Panelboard With Twenty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i>	5,399.98 1,565.96	1,271.70
26 24 16 00-0160	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,674.94 1,722.12 125.84	1,271.70
26 24 16 00-0161	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Four 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	5,969.65 1,722.12 125.84	1,448.96
26 24 16 00-0162	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,288.18 1,722.12 125.84	1,448.96
26 24 16 00-0163	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Twenty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,557.64 1,722.12 125.84	1,603.11
26 24 16 00-0164	EA		100 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >50 To 100 Ampere Main Breaker, 30 Circuit Capacity Assembled Panelboard With Thirty 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	6,842.04 1,722.12 125.84	1,603.11
26 24 16 00-0165	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Two 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	8,815.85 2,034.24 214.91	1,895.98
26 24 16 00-0166	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Four 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,166.76 2,034.24 214.91	1,895.98
26 24 16 00-0167	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main 42 Circuit Capacity Assembled Panelboard With Thirty-Six 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,416.89 2,034.24 214.91	2,073.25
26 24 16 00-0168	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 42 Circuit Capacity Assembled Panelboard With Thirty-Eight 20 Ampere Breakers ..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	9,812.99 2,034.24 214.91	2,073.25
26 24 16 00-0169	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	10,089.13 2,117.23 274.68	2,265.93
26 24 16 00-0170	EA		225 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >100 To 225 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	10,375.80 2,117.23 274.68	2,265.93
26 24 16 00-0171	EA		400 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >225 To 400 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	12,234.64 2,117.23 274.68	2,523.35
26 24 16 00-0172	EA		600 Ampere Rating, 277/480 Volt, 4 Wire, 3 Phase, >400 To 600 Ampere Main Breaker, 54 Circuit Capacity Assembled Panelboard With Forty-Two 20 Ampere Breakers..... <i>For NEMA 3R Panelboard, Add</i> <i>For Door-In-Door (Hinged) Trim Front, Add</i>	14,875.78 2,117.23 274.68	3,028.95



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 16 00-0173	<b>Unassembled Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small> Note: Includes the main device (lugs or breaker), connection of main service cable from meter and that portion of the panel box, trim and interior occupied by that device. Spaces include that portion of the panel box, trim and interior reserved by that space. The maximum single pole capacity of the panelboard main device (lugs, breakers) is indicated. Excludes branch breakers. A complete panelboard will be the sum of main device and the branch circuit breakers and spaces (within the capacity of the main device). See CSI section 26 28 16 13-0001 for circuit breakers.		
26 24 16 00-0174	<b>240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0173)</small> Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers.		
26 24 16 00-0175	<b>Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0174)</small>		
26 24 16 00-0176	EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	740.69	
26 24 16 00-0177	EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	855.51	
26 24 16 00-0178	EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,179.25	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0179	EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,364.02	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0180	EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,546.28	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
26 24 16 00-0181	EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,735.75	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0182	EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,887.05	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0183	EA 400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,069.52	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
26 24 16 00-0184	EA 600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,302.96	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0185	EA 600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,455.38	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0186	EA 600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,689.78	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
26 24 16 00-0187	<b>Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0174)</small>		
26 24 16 00-0188	EA 100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,105.98	
26 24 16 00-0189	EA 100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,258.54	
26 24 16 00-0190	EA 225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,027.46	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0191	EA 225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,257.68	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0192	EA 225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,476.83	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
26 24 16 00-0193	EA 400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,211.89	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
26 24 16 00-0194	EA 400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,484.01	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
26 24 16 00-0195	EA 400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,726.08	
	<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
26 24 16 00-0196	<b>Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0174)</small>		
26 24 16 00-0197	EA 100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,460.85	
26 24 16 00-0198	EA 100 Ampere Rating, 20 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,567.44	
26 24 16 00-0199	EA 225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,874.04	
26 24 16 00-0200	EA 225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,055.38	
26 24 16 00-0201	EA 225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,224.61	
26 24 16 00-0202	EA 400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,547.13	
26 24 16 00-0203	EA 400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,689.52	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 16 00-0204	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....2,863.76
26 24 16 00-0205	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....3,160.29
26 24 16 00-0206	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....3,307.32
26 24 16 00-0207	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....3,528.85
<b>26 24 16 00-0208</b>		<b>Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0174)</small>
26 24 16 00-0209	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....1,817.91
26 24 16 00-0210	EA	100 Ampere Rating, 20 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....1,961.55
26 24 16 00-0211	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....2,855.31
26 24 16 00-0212	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....3,069.07
26 24 16 00-0213	EA	225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....3,275.87
26 24 16 00-0214	EA	400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....4,993.78
26 24 16 00-0215	EA	400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....5,257.67
26 24 16 00-0216	EA	400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 3 Wire, 1 Phase, Unassembled Panelboard .....5,497.69
<b>26 24 16 00-0217</b>		<b>240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0173)</small>
		Note: As manufactured by Square D or equal. Accepts plug-on and bolt-on breakers
<b>26 24 16 00-0218</b>		<b>Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0217)</small>
26 24 16 00-0219	EA	100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....837.48
26 24 16 00-0220	EA	100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....987.42
26 24 16 00-0221	EA	100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....1,116.41
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>125.84</b>
26 24 16 00-0222	EA	225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....1,274.22
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>125.84</b>
26 24 16 00-0223	EA	225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....1,468.46
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>214.91</b>
26 24 16 00-0224	EA	225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....1,628.76
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>274.68</b>
26 24 16 00-0225	EA	400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....1,879.65
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>125.84</b>
26 24 16 00-0226	EA	400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....2,028.52
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>214.91</b>
26 24 16 00-0227	EA	400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....2,194.49
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>274.68</b>
26 24 16 00-0228	EA	600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....2,461.93
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>125.84</b>
26 24 16 00-0229	EA	600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....2,711.15
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>214.91</b>
26 24 16 00-0230	EA	600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....3,189.94
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>274.68</b>
<b>26 24 16 00-0231</b>		<b>Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0217)</small>
26 24 16 00-0232	EA	100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....1,294.05
26 24 16 00-0233	EA	100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....1,461.36
26 24 16 00-0234	EA	100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....1,698.47
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>125.84</b>
26 24 16 00-0235	EA	225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....2,493.52
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>125.84</b>
26 24 16 00-0236	EA	225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....2,703.27
		<i>For Door-In-Door (Hinged) Trim Front, Add</i> <b>214.91</b>

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 16 00-0237	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard ..... <i>For Door-In-Door (Hinged) Trim Front, Add</i>	2,906.98 274.68	
	26 24 16 00-0238	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard ..... <i>For Door-In-Door (Hinged) Trim Front, Add</i>	3,992.60 125.84	
	26 24 16 00-0239	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard ..... <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,248.48 214.91	
	26 24 16 00-0240	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard ..... <i>For Door-In-Door (Hinged) Trim Front, Add</i>	4,459.48 274.68	
<b>26 24 16 00-0241</b>				<b>Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0217)</small>		
	26 24 16 00-0242	EA		100 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,557.64	
	26 24 16 00-0243	EA		100 Ampere Rating, 24 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,699.35	
	26 24 16 00-0244	EA		100 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,819.42	
	26 24 16 00-0245	EA		225 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	1,969.00	
	26 24 16 00-0246	EA		225 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,159.82	
	26 24 16 00-0247	EA		225 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,307.08	
	26 24 16 00-0248	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,691.04	
	26 24 16 00-0249	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,830.99	
	26 24 16 00-0250	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,988.72	
	26 24 16 00-0251	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,319.27	
	26 24 16 00-0252	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,552.71	
	26 24 16 00-0253	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	4,031.51	
<b>26 24 16 00-0254</b>				<b>Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase Unassembled Panelboards</b> <small>(26 24 16 00-0217)</small>		
	26 24 16 00-0255	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,005.98	
	26 24 16 00-0256	EA		100 Ampere Rating, 24 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,164.38	
	26 24 16 00-0257	EA		100 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	2,396.69	
	26 24 16 00-0258	EA		225 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,321.37	
	26 24 16 00-0259	EA		225 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,514.65	
	26 24 16 00-0260	EA		225 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	3,706.02	
	26 24 16 00-0261	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	5,493.56	
	26 24 16 00-0262	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	5,756.57	
	26 24 16 00-0263	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 240 Volt AC, 48 Volt DC, 4 Wire, 3 Phase, Unassembled Panelboard .....	5,979.64	
<b>26 24 16 00-0264</b>				<b>480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0173)</small>		
				Note: As manufactured by Square D or equal.		
<b>26 24 16 00-0265</b>				<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0264)</small>		
	26 24 16 00-0266	EA		125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,181.83	
	26 24 16 00-0267	EA		125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,302.98	
	26 24 16 00-0268	EA		250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,809.15	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
	26 24 16 00-0269	EA		250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,022.03	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	
	26 24 16 00-0270	EA		250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,206.67	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	274.68	
	26 24 16 00-0271	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,220.47	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	125.84	
	26 24 16 00-0272	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,346.08	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	214.91	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
26 24 16 00-0273	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,552.27	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	274.68	
26 24 16 00-0274	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,752.85	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	125.84	
26 24 16 00-0275	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,951.46	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91	
26 24 16 00-0276	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,227.46	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	274.68	
<b>26 24 16 00-0277</b>			<b>Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0264)</small>		
26 24 16 00-0278	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,389.52	
26 24 16 00-0279	EA		100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,464.66	
26 24 16 00-0280	EA		125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,678.03	
26 24 16 00-0281	EA		125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,828.60	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	125.84	
26 24 16 00-0282	EA		125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,141.62	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91	
26 24 16 00-0283	EA		250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,079.52	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	125.84	
26 24 16 00-0284	EA		250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,268.08	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91	
26 24 16 00-0285	EA		250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,514.16	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	274.68	
26 24 16 00-0286	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,690.32	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	125.84	
26 24 16 00-0287	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,961.19	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	214.91	
26 24 16 00-0288	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 1, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	5,202.81	
			<i>For Door-In-Door (Hinged) Trim Front, Add</i> .....	274.68	
<b>26 24 16 00-0289</b>			<b>Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0264)</small>		
26 24 16 00-0290	EA		125 Ampere Rating, 12 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,877.30	
26 24 16 00-0291	EA		125 Ampere Rating, 18 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	1,998.45	
26 24 16 00-0292	EA		250 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,488.16	
26 24 16 00-0293	EA		250 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,820.38	
26 24 16 00-0294	EA		250 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	2,991.31	
26 24 16 00-0295	EA		400 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,005.10	
26 24 16 00-0296	EA		400 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,110.14	
26 24 16 00-0297	EA		400 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,286.83	
26 24 16 00-0298	EA		600 Ampere Rating, 30 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,556.00	
26 24 16 00-0299	EA		600 Ampere Rating, 42 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,737.90	
26 24 16 00-0300	EA		600 Ampere Rating, 54 Circuit Capacity, Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,978.01	
<b>26 24 16 00-0301</b>			<b>Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0264)</small>		
26 24 16 00-0302	EA		100 Ampere Rating, 12 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,233.14	
26 24 16 00-0303	EA		100 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,308.28	
26 24 16 00-0304	EA		125 Ampere Rating, 18 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,363.21	
26 24 16 00-0305	EA		125 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,507.61	
26 24 16 00-0306	EA		125 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	3,939.97	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 16 00-0307	EA		250 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	4,864.15	
	26 24 16 00-0308	EA		250 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	5,032.14	
	26 24 16 00-0309	EA		250 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	5,248.73	
	26 24 16 00-0310	EA		400 Ampere Rating, 30 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	5,424.89	
	26 24 16 00-0311	EA		400 Ampere Rating, 42 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	5,677.00	
	26 24 16 00-0312	EA		400 Ampere Rating, 54 Circuit Capacity, Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 3 Wire, 1 Phase, Unassembled Panelboard .....	5,915.86	
	<b>26 24 16 00-0313</b>			<b>480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>Note: As manufactured by Square D or equal.</small>		
	<b>26 24 16 00-0314</b>			<b>Main Lugs, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0313)</small>		
	26 24 16 00-0315	EA		125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,228.46	
	26 24 16 00-0316	EA		125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,350.31	
	26 24 16 00-0317	EA		125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,565.65	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>125.84</i>	
	26 24 16 00-0318	EA		250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	1,877.78	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>125.84</i>	
	26 24 16 00-0319	EA		250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,092.20	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>214.91</i>	
	26 24 16 00-0320	EA		250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,275.53	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>274.68</i>	
	26 24 16 00-0321	EA		400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,311.07	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>125.84</i>	
	26 24 16 00-0322	EA		400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,458.56	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>214.91</i>	
	26 24 16 00-0323	EA		400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,663.13	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>274.68</i>	
	26 24 16 00-0324	EA		600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	2,863.85	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>125.84</i>	
	26 24 16 00-0325	EA		600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	3,063.69	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>214.91</i>	
	26 24 16 00-0326	EA		600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Lugs, Unassembled Panelboard .....	3,340.84	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>274.68</i>	
	<b>26 24 16 00-0327</b>			<b>Main Breaker, NEMA 1, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0313)</small>		
	26 24 16 00-0328	EA		100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,629.57	
	26 24 16 00-0329	EA		100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,705.40	
	26 24 16 00-0330	EA		100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	2,933.96	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>125.84</i>	
	26 24 16 00-0331	EA		125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,008.03	
	26 24 16 00-0332	EA		125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,159.15	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>125.84</i>	
	26 24 16 00-0333	EA		125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	3,471.44	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>214.91</i>	
	26 24 16 00-0334	EA		250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,466.48	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>125.84</i>	
	26 24 16 00-0335	EA		250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,657.31	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>214.91</i>	
	26 24 16 00-0336	EA		250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	4,900.80	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>274.68</i>	
	26 24 16 00-0337	EA		400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	5,154.02	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>125.84</i>	
	26 24 16 00-0338	EA		400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard .....	5,427.35	
				<i>For Door-In-Door (Hinged) Trim Front, Add</i>	<i>214.91</i>	



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 24 16 00-0339	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 1, Main Breaker, Unassembled Panelboard ..... For Door-In-Door (Hinged) Trim Front, Add	5,668.94 274.68	
<b>26 24 16 00-0340</b>		<b>Main Lugs, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0313)</small>		
26 24 16 00-0341	EA	125 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	1,923.94	
26 24 16 00-0342	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,045.78	
26 24 16 00-0343	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,250.83	
26 24 16 00-0344	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,556.79	
26 24 16 00-0345	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	2,890.55	
26 24 16 00-0346	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,060.17	
26 24 16 00-0347	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,097.76	
26 24 16 00-0348	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,222.62	
26 24 16 00-0349	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,397.70	
26 24 16 00-0350	EA	600 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,667.00	
26 24 16 00-0351	EA	600 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	3,849.69	
26 24 16 00-0352	EA	600 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Lugs, Unassembled Panelboard .....	4,089.81	
<b>26 24 16 00-0353</b>		<b>Main Breaker, NEMA 3R, 5, Or 12, 480Y/277 Volt AC, 4 Wire, 3 Phase, Unassembled Panelboards</b> <small>(26 24 16 00-0313)</small>		
26 24 16 00-0354	EA	100 Ampere Rating, 12 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,308.58	
26 24 16 00-0355	EA	100 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,384.41	
26 24 16 00-0356	EA	100 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,732.31	
26 24 16 00-0357	EA	125 Ampere Rating, 18 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,693.22	
26 24 16 00-0358	EA	125 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	3,838.16	
26 24 16 00-0359	EA	125 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	4,269.80	
26 24 16 00-0360	EA	250 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,251.12	
26 24 16 00-0361	EA	250 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,421.37	
26 24 16 00-0362	EA	250 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,635.37	
26 24 16 00-0363	EA	400 Ampere Rating, 30 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	5,888.58	
26 24 16 00-0364	EA	400 Ampere Rating, 42 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	6,142.71	
26 24 16 00-0365	EA	400 Ampere Rating, 54 Circuit Capacity, 277/480 Volt, 4 Wire, 3 Phase, NEMA 3R, 5, 12, Main Breaker, Unassembled Panelboard .....	6,380.88	
<b>26 24 16 00-0366</b>		<b>Residential Lighting And Power Panelboards</b> <small>(26 24 16 00-0001)</small> See CSI section 26 28 16 13-0001 for circuit breakers.		
<b>26 24 16 00-0367</b>		<b>Residential Type Unassembled Load Center</b> <small>(26 24 16 00-0366)</small> Note: Interior box and cover, includes ground bar kit.		
<b>26 24 16 00-0368</b>		<b>Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt</b> <small>(26 24 16 00-0367)</small>		
26 24 16 00-0369	EA	30 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	197.51	77.07
26 24 16 00-0370	EA	70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	681.03	308.29
26 24 16 00-0371	EA	100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	1,019.66	440.09
26 24 16 00-0372	EA	125 Ampere Rating, 24 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	2,173.67	925.02
26 24 16 00-0373	EA	150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	2,373.56	1,001.94
<b>26 24 16 00-0374</b>		<b>Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC</b> <small>(26 24 16 00-0367)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta.		
26 24 16 00-0375	EA	60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	266.67	84.78
26 24 16 00-0376	EA	125 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	455.22	92.49

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>26 24 16 00-0377</b> Main Lug Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0367)</small>		
26 24 16 00-0378 EA 40 Ampere Rating, 2 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	270.64	84.78
26 24 16 00-0379 EA 70 Ampere Rating, 4 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	301.09	92.49
26 24 16 00-0380 EA 100 Ampere Rating, 8 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	1,099.15	440.09
26 24 16 00-0381 EA 150 Ampere Rating, 30 Circuit, Main Lug Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	2,494.52	1,001.94
<b>26 24 16 00-0382</b> Main Lug Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0383 EA 60 Ampere Rating, 3 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	327.15	84.78
26 24 16 00-0384 EA 125 Ampere Rating, 20 Circuit, Main Lug Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	2,395.02	925.02
<b>26 24 16 00-0385</b> Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt <small>(26 24 16 00-0367)</small>		
26 24 16 00-0386 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	2,550.36	925.02
26 24 16 00-0387 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	2,767.53	1,001.94
26 24 16 00-0388 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Wire, 120/240 Volt, Single Phase, Unassembled Panelboard .....	8,983.06	1,541.45
<b>26 24 16 00-0389</b> Main Breaker Load Center, 3 Phase, 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 V Delta.		
26 24 16 00-0390 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	3,553.93	925.02
26 24 16 00-0391 EA 150 Ampere Rating, 40 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	3,873.92	1,001.94
26 24 16 00-0392 EA 300 Ampere Rating, 42 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Unassembled Panelboard .....	9,827.50	1,541.45
<b>26 24 16 00-0393</b> Main Breaker Load Center, Single Phase, 3 Wire, 120/240 Volt, Rainproof <small>(26 24 16 00-0367)</small>		
26 24 16 00-0394 EA 125 Ampere Rating, 24 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	2,662.67	925.02
26 24 16 00-0395 EA 150 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Wire 120/240 Volt, 1 Phase, Rainproof, Unassembled Panelboard .....	2,959.33	1,001.94
<b>26 24 16 00-0396</b> Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC <small>(26 24 16 00-0367)</small> Note: 3 Phase, 4 wire, 240/120 Volt AC Delta; 3 phase, 3 wire, 240 Volt AC Delta, Rainproof.		
26 24 16 00-0397 EA 125 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	3,740.20	925.02
26 24 16 00-0398 EA 155 Ampere Rating, 30 Circuit, Main Breaker Load Center, 3 Phase 4 Wire, 208 Y/120 Volt AC, 3 Phase 4 Wire 240/120 Volt AC Delta, 3 Phase 3 Wire 240 Volt AC Delta, Rainproof, Unassembled Panelboard.....	3,894.13	1,001.94
<b>26 24 16 00-0399</b> Panel Mounted Accessories And Fuseholders <small>(26 24 16 00-0001)</small>		
<b>26 24 16 00-0400</b> Midget Finger-Safe Fuse Holders <small>(26 24 16 00-0399)</small> Note: 30 Amp capacity. Excludes fuse.		
26 24 16 00-0401 EA 1 Pole Midget Finger-Safe Fuse Holder.....	91.67	27.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 24 16 00-0402 EA 1 Pole With Indicator Midget Finger-Safe Fuse Holder.....	105.88	27.74
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 24 16 00-0403 EA 2 Pole Midget Finger-Safe Fuse Holder.....	146.54	41.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.75	
26 24 16 00-0404 EA 2 Pole With Indicators Midget Finger-Safe Fuse Holder.....	183.64	41.62
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	27.75	
26 24 16 00-0405 EA 3 Pole Midget Finger-Safe Fuse Holder.....	212.90	55.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.99	
26 24 16 00-0406 EA 3 Pole With Indicators Midget Finger-Safe Fuse Holder.....	262.18	55.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.99	
26 24 16 00-0407 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	303.41	55.49
Note: With indicators.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.99	
26 24 16 00-0408 EA 3 Pole With 4th Neutral Pole Midget Finger-Safe Fuse Holder.....	248.76	55.49
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	36.99	
26 24 16 00-0409 EA 4 Pole Midget Finger-Safe Fuse Holder.....	267.92	69.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.24	
26 24 16 00-0410 EA 4 Pole With Indicator Midget Finger-Safe Fuse Holder.....	322.04	69.36
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	46.24	
26 24 16 00-0411 EA 12 To 24 Volt DC Midget Finger-Safe Fuse Holder .....	105.93	27.74
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	
26 24 16 00-0412 EA 20 To 24 Volt DC Midget Finger-Safe Fuse Holder .....	113.48	27.74
Note: With indicator.		
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	18.50	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 16 00-0413	EA	35 To 48 Volt DC Midget Finger-Safe Fuse Holder .....	107.32		27.74
		Note: With indicator.			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50		
<b>26 24 16 00-0414</b>		<b>Removal And Reinstallation Of Panelboards</b> (26 24 16 00-0001)			
		Note: Includes storage, cleaning and supply materials.			
26 24 16 00-0415	EA	Removal And Reinstallation Of Up To 42 Circuit Capacity Panelboards With Breakers.....	1,933.77		
		Note: Includes removal and reinstallation of main wiring to panelboard.			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	578.04		
26 24 16 00-0416	EA	Removal And Reinstallation Of Breaker, 1-2-3 Pole, Any Amperage .....	102.20		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30.06		
26 24 16 00-0417	EA	Panelboard Filler Plate, Fits 1" Opening .....	6.82		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1.44		
<b>26 24 19</b>		<b>Motor-Control Centers</b> (26 24)			
<b>26 24 19 00-0001</b>		<b>Combination Starters With Molded Case Circuit Breakers</b> (26 24 19)			
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" o 20" Deep), fully factory assembled and wired internally.			
<b>26 24 19 00-0002</b>		<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> (26 24 19 00-0001)			
		Note: 1-Speed non-reversing.			
26 24 19 00-0003	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination With Molded Case Circuit .....	2,440.83		140.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49		
26 24 19 00-0004	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination With Molded Case Circuit .....	2,881.80		147.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72		
26 24 19 00-0005	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination With Molded Case Circuit .....	4,257.78		154.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.94		
26 24 19 00-0006	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....	7,672.61		183.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85		
26 24 19 00-0007	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....	15,378.70		211.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.74		
26 24 19 00-0008	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....	25,838.90		281.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.99		
<b>26 24 19 00-0009</b>		<b>480 Volt Combination With Molded Case Circuit, Full Volt</b> (26 24 19 00-0001)			
		Note: 1-Speed non-reversing.			
26 24 19 00-0010	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination With Molded Case Circuit .....	2,440.83		140.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49		
26 24 19 00-0011	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination With Molded Case Circuit .....	2,881.80		147.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72		
26 24 19 00-0012	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination With Molded Case Circuit .....	4,257.78		154.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.94		
26 24 19 00-0013	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination With Molded Case Circuit .....	7,672.61		183.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85		
26 24 19 00-0014	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination With Molded Case Circuit .....	15,378.70		211.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.74		
26 24 19 00-0015	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination With Molded Case Circuit .....	25,838.90		281.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.99		
<b>26 24 19 00-0016</b>		<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> (26 24 19 00-0001)			
		Note: 1-Speed reversing.			
26 24 19 00-0017	EA	230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination With Molded Case Circuit.....	3,506.87		140.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49		
26 24 19 00-0018	EA	230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination With Molded Case Circuit.....	4,654.77		147.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72		
26 24 19 00-0019	EA	230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination With Molded Case Circuit .....	6,645.09		154.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.94		
26 24 19 00-0020	EA	230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit .....	11,584.44		183.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85		
26 24 19 00-0021	EA	230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit .....	22,730.33		211.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.74		
26 24 19 00-0022	EA	230 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit .....	39,132.82		281.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.99		
<b>26 24 19 00-0023</b>		<b>480 Volt Combination With Molded Case Circuit, Full Volt</b> (26 24 19 00-0001)			
		Note: 1-Speed reversing.			
26 24 19 00-0024	EA	480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination With Molded Case Circuit.....	3,506.87		140.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49		
26 24 19 00-0025	EA	480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination With Molded Case Circuit.....	4,654.77		147.86
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72		
26 24 19 00-0026	EA	480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination With Molded Case Circuit.....	6,645.09		154.90
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.94		
26 24 19 00-0027	EA	480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination With Molded Case Circuit .....	11,584.44		183.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85		
26 24 19 00-0028	EA	480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination With Molded Case Circuit .....	22,730.33		211.23
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.74		
26 24 19 00-0029	EA	480 Volt, Full Volt, 1 Speed, Reversing, 400 HP Combination With Molded Case Circuit .....	39,132.82		281.64
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.99		
<b>26 24 19 00-0030</b>		<b>230 Volt Combination With Molded Case Circuit, Full Volt</b> (26 24 19 00-0001)			
		Note: 2-Speed non-reversing, 2 wind.			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0031	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,292.44 135.19	225.32
26 24 19 00-0032	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,869.99 143.64	239.40
26 24 19 00-0033	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,594.86 152.08	253.48
26 24 19 00-0034	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,280.63 173.21	288.68
26 24 19 00-0035	EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,246.90 202.79	337.97
<b>26 24 19 00-0036 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b>			
Note: 2-Speed non-reversing, 2 wind.			
26 24 19 00-0037	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,292.44 135.19	225.32
26 24 19 00-0038	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,869.99 143.64	239.40
26 24 19 00-0039	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,594.86 152.08	253.48
26 24 19 00-0040	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,280.63 173.21	288.68
26 24 19 00-0041	EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,246.90 202.79	337.97
<b>26 24 19 00-0042 230 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b>			
Note: 2-Speed non-reversing, 2 wind.			
26 24 19 00-0043	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,900.41 84.49	140.82
26 24 19 00-0044	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,263.41 88.72	147.86
26 24 19 00-0045	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,920.01 92.94	154.90
26 24 19 00-0046	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,583.74 109.85	183.07
26 24 19 00-0047	EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,146.29 126.74	211.23
<b>26 24 19 00-0048 480 Volt Combination With Molded Case Circuit, Full Volt (26 24 19 00-0001)</b>			
Note: 2-Speed non-reversing, 1 wind.			
26 24 19 00-0049	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,900.41 84.49	140.82
26 24 19 00-0050	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,263.41 88.72	147.86
26 24 19 00-0051	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,920.01 92.94	154.90
26 24 19 00-0052	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,583.74 109.85	183.07
26 24 19 00-0053	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,146.29 126.74	211.23
<b>26 24 19 00-0054 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)</b>			
Note: Reducing volt, auto-transformer.			
26 24 19 00-0055	EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination With Molded Case Circuit	7,218.24	147.86
26 24 19 00-0056	EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination With Molded Case Circuit	11,020.45	161.95
26 24 19 00-0057	EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	18,531.79	183.07
26 24 19 00-0058	EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	28,631.96	211.23
26 24 19 00-0059	EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	48,944.03	281.64
<b>26 24 19 00-0060 480 Volt Combination With Molded Case Circuit (26 24 19 00-0001)</b>			
Note: Reducing volt, auto-transformer.			
26 24 19 00-0061	EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination With Molded Case Circuit	7,218.24	147.86
26 24 19 00-0062	EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination With Molded Case Circuit	11,020.45	161.95
26 24 19 00-0063	EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination With Molded Case Circuit	18,531.79	183.07
26 24 19 00-0064	EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination With Molded Case Circuit	28,631.96	211.23
26 24 19 00-0065	EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination With Molded Case Circuit	48,944.03	281.64
<b>26 24 19 00-0066 230 Volt Combination With Molded Case Circuit (26 24 19 00-0001)</b>			
Note: Reducing volt, part winding.			
26 24 19 00-0067	EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,990.34 135.19	225.32
26 24 19 00-0068	EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,431.70 156.31	260.52
26 24 19 00-0069	EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,226.50 173.21	288.68
26 24 19 00-0070	EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,066.26 211.24	352.05
26 24 19 00-0071	EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,176.90 270.39	450.64



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 24 19 00-0072		<b>480 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001)			
		Note: Reducing volt, part winding.			
26 24 19 00-0073	EA	480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination With Molded Case Circuit.....	4,990.34		225.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.19		
26 24 19 00-0074	EA	480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination With Molded Case Circuit.....	6,431.70		260.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.31		
26 24 19 00-0075	EA	480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination With Molded Case Circuit.....	11,226.50		288.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.21		
26 24 19 00-0076	EA	480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination With Molded Case Circuit.....	19,066.26		352.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.24		
26 24 19 00-0077	EA	480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination With Molded Case Circuit.....	26,176.90		450.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	270.39		
26 24 19 00-0078		<b>230 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001)			
		Note: Reducing volt, energy saver.			
26 24 19 00-0079	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7-1/2 HP Combination With Molded Case Circuit.....	20,255.08		183.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.85		
26 24 19 00-0080	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination With Molded Case Circuit.....	21,502.71		225.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.19		
26 24 19 00-0081	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination With Molded Case Circuit.....	23,750.37		260.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.31		
26 24 19 00-0082	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	35,908.11		288.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.21		
26 24 19 00-0083	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	48,951.59		352.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.24		
26 24 19 00-0084	EA	230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	66,417.76		450.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	270.39		
26 24 19 00-0085		<b>480 Volt Combination With Molded Case Circuit</b> (26 24 19 00-0001)			
		Note: Reducing volt, energy saver.			
26 24 19 00-0086	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination With Molded Case Circuit.....	20,255.08		183.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.85		
26 24 19 00-0087	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination With Molded Case Circuit.....	21,502.71		225.32
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.19		
26 24 19 00-0088	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination With Molded Case Circuit.....	23,750.37		260.52
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.31		
26 24 19 00-0089	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination With Molded Case Circuit.....	35,908.11		288.68
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.21		
26 24 19 00-0090	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination With Molded Case Circuit.....	48,951.59		352.05
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.24		
26 24 19 00-0091	EA	480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination With Molded Case Circuit.....	66,417.76		450.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	270.39		
26 24 19 00-0092		<b>Combination Starters With Current Limiting Circuit Breakers</b> (26 24 19)			
		Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and wired internally.			
26 24 19 00-0093		<b>230 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092)			
		Note: Full volt, 1-speed non-reversing.			
26 24 19 00-0094	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit.....	3,242.62		140.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.49		
26 24 19 00-0095	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 15 HP Combination Starters With Current Limiting Circuit.....	3,683.59		147.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.72		
26 24 19 00-0096	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 30 HP Combination Starters With Current Limiting Circuit.....	5,660.35		154.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.94		
26 24 19 00-0097	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	10,380.63		183.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.85		
26 24 19 00-0098	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	18,527.14		211.23
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.74		
26 24 19 00-0099	EA	230 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit.....	30,168.57		281.64
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.99		
26 24 19 00-0100		<b>480 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092)			
		Note: Full volt, 1-speed non-reversing.			
26 24 19 00-0101	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 10 HP Combination Starters With Current Limiting Circuit.....	3,242.62		140.82
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.49		
26 24 19 00-0102	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 25 HP Combination Starters With Current Limiting Circuit.....	3,683.59		147.86
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.72		
26 24 19 00-0103	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 50 HP Combination Starters With Current Limiting Circuit.....	5,660.35		154.90
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.94		
26 24 19 00-0104	EA	480 Volt, Full Volt, 1 Speed, Non-Reversing, 100 HP Combination Starters With Current Limiting Circuit.....	10,380.63		183.07
		For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.85		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0105 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,527.14 126.74	211.23
26 24 19 00-0106 EA 480 Volt, Full Volt, 1 Speed, Non-Reversing, 400 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	30,168.57 168.99	281.64
<b>26 24 19 00-0107 230 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0108 EA 230 Volt, Full Volt, 1 Speed, Reversing, 7-1/2 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,301.89 84.49	140.82
26 24 19 00-0109 EA 230 Volt, Full Volt, 1 Speed, Reversing, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,440.75 88.72	147.86
26 24 19 00-0110 EA 230 Volt, Full Volt, 1 Speed, Reversing, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,016.03 92.94	154.90
26 24 19 00-0111 EA 230 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,256.33 109.85	183.07
26 24 19 00-0112 EA 230 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,815.53 126.74	211.23
<b>26 24 19 00-0113 480 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Full volt, 1-speed reversing.		
26 24 19 00-0114 EA 480 Volt, Full Volt, 1 Speed, Reversing, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,301.89 84.49	140.82
26 24 19 00-0115 EA 480 Volt, Full Volt, 1 Speed, Reversing, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,440.75 88.72	147.86
26 24 19 00-0116 EA 480 Volt, Full Volt, 1 Speed, Reversing, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,016.03 92.94	154.90
26 24 19 00-0117 EA 480 Volt, Full Volt, 1 Speed, Reversing, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,256.33 109.85	183.07
26 24 19 00-0118 EA 480 Volt, Full Volt, 1 Speed, Reversing, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,815.53 126.74	211.23
<b>26 24 19 00-0119 230 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0120 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,073.90 135.19	225.32
26 24 19 00-0121 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,640.16 143.64	239.40
26 24 19 00-0122 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,943.23 152.08	253.48
26 24 19 00-0123 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,920.89 173.21	288.68
26 24 19 00-0124 EA 230 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,307.26 202.79	337.97
<b>26 24 19 00-0125 480 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 2 wind.		
26 24 19 00-0126 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,073.90 135.19	225.32
26 24 19 00-0127 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,640.16 143.64	239.40
26 24 19 00-0128 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,943.23 152.08	253.48
26 24 19 00-0129 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,920.89 173.21	288.68
26 24 19 00-0130 EA 480 Volt, Full Volt, 2 Speed, 2 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	28,307.26 202.79	337.97
<b>26 24 19 00-0131 230 Volt Combination Starters With Current Limiting Circuit</b> (26 24 19 00-0092) Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0132 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 7-1/2 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,822.71 126.74	211.23
26 24 19 00-0133 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 15 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,174.91 135.19	225.32
26 24 19 00-0134 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 30 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,430.57 143.64	239.40
26 24 19 00-0135 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,375.43 164.76	274.60
26 24 19 00-0136 EA 230 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,371.00 194.35	323.89

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0137	<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Full volt, 2-speed non-reversing, 1 wind.		
26 24 19 00-0138	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,822.71 126.74	211.23
26 24 19 00-0139	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,174.91 135.19	225.32
26 24 19 00-0140	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,430.57 143.64	239.40
26 24 19 00-0141	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,375.43 164.76	274.60
26 24 19 00-0142	EA 480 Volt, Full Volt, 2 Speed, 1 Wind Starter, Non-Reverse, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,371.00 194.35	323.89
26 24 19 00-0143	<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0144	EA 230 Volt, Reduced Volt, Auto Transformer, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,977.12 88.72	147.86
26 24 19 00-0145	EA 230 Volt, Reduced Volt, Auto Transformer, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,809.24 97.17	161.95
26 24 19 00-0146	EA 230 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,605.70 109.85	183.07
26 24 19 00-0147	EA 230 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,699.64 126.74	211.23
26 24 19 00-0148	EA 230 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,770.58 168.99	281.64
26 24 19 00-0149	<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, auto-transformer.		
26 24 19 00-0150	EA 480 Volt, Reduced Volt, Auto Transformer, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,977.12 88.72	147.86
26 24 19 00-0151	EA 480 Volt, Reduced Volt, Auto Transformer, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,809.24 97.17	161.95
26 24 19 00-0152	EA 480 Volt, Reduced Volt, Auto Transformer, 100 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,605.70 109.85	183.07
26 24 19 00-0153	EA 480 Volt, Reduced Volt, Auto Transformer, 200 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,699.64 126.74	211.23
26 24 19 00-0154	EA 480 Volt, Reduced Volt, Auto Transformer, 400 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53,770.58 168.99	281.64
26 24 19 00-0155	<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0156	EA 230 Volt, Reduced Volt, Part Winding Starters, 10 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,771.80 135.19	225.32
26 24 19 00-0157	EA 230 Volt, Reduced Volt, Part Winding Starters, 25 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,197.35 156.31	260.52
26 24 19 00-0158	EA 230 Volt, Reduced Volt, Part Winding Starters, 50 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,565.83 173.21	288.68
26 24 19 00-0159	EA 230 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,178.56 211.24	352.05
26 24 19 00-0160	EA 230 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,686.09 270.39	450.64
26 24 19 00-0161	<b>480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, part winding.		
26 24 19 00-0162	EA 480 Volt, Reduced Volt, Part Winding Starters, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,771.80 135.19	225.32
26 24 19 00-0163	EA 480 Volt, Reduced Volt, Part Winding Starters, 40 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,197.35 156.31	260.52
26 24 19 00-0164	EA 480 Volt, Reduced Volt, Part Winding Starters, 75 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,565.83 173.21	288.68
26 24 19 00-0165	EA 480 Volt, Reduced Volt, Part Winding Starters, 150 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,178.56 211.24	352.05
26 24 19 00-0166	EA 480 Volt, Reduced Volt, Part Winding Starters, 350 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,686.09 270.39	450.64
26 24 19 00-0167	<b>230 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small> Note: Reduced volt, energy saving		
26 24 19 00-0168	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 7.5 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,903.28 109.85	183.07
26 24 19 00-0169	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 15 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,144.14 135.19	225.32
26 24 19 00-0170	EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 30 HP Combination Starters With Current Limiting Circuit ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,369.22 156.31	260.52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0171 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	36,420.80	288.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.21	
26 24 19 00-0172 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	49,349.10	352.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.24	
26 24 19 00-0173 EA 230 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	69,143.85	450.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	270.39	
<b>26 24 19 00-0174 480 Volt Combination Starters With Current Limiting Circuit</b> <small>(26 24 19 00-0092)</small>		
Note: Reduced volt, energy saving		
26 24 19 00-0175 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 10 HP Combination Starters With Current Limiting Circuit.....	20,903.34	183.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.86	
26 24 19 00-0176 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 25 HP Combination Starters With Current Limiting Circuit.....	22,144.14	225.32
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	135.19	
26 24 19 00-0177 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 50 HP Combination Starters With Current Limiting Circuit.....	24,369.22	260.52
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	156.31	
26 24 19 00-0178 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 100 HP Combination Starters With Current Limiting Circuit.....	36,420.80	288.68
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.21	
26 24 19 00-0179 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 200 HP Combination Starters With Current Limiting Circuit.....	49,349.10	352.05
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.24	
26 24 19 00-0180 EA 480 Volt, Energy Saver Solid State Reduced Volt Starter With MCP, 400 HP Combination Starters With Current Limiting Circuit.....	69,143.85	450.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	270.39	
<b>26 24 19 00-0181 Combination Starters With Fusible Switch</b> <small>(26 24 19)</small>		
Note: Includes NEMA I enclosure of indoor installation, vertical free standing floor mounted sections (90" high x 20" wide x 16" to 20" deep), fully factory assembled and Wired Internally.		
<b>26 24 19 00-0182 230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 1-Speed non-reversing.		
26 24 19 00-0183 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,178.83	140.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.49	
26 24 19 00-0184 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,983.43	147.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.72	
26 24 19 00-0185 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,985.04	154.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.94	
26 24 19 00-0186 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,749.94	183.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.85	
26 24 19 00-0187 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	14,163.59	211.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.74	
26 24 19 00-0188 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	25,217.80	281.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.99	
<b>26 24 19 00-0189 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 1-Speed non-reversing.		
26 24 19 00-0190 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,178.83	140.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.49	
26 24 19 00-0191 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	2,983.43	147.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.72	
26 24 19 00-0192 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	4,985.04	154.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.94	
26 24 19 00-0193 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	8,749.94	183.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.85	
26 24 19 00-0194 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	14,163.59	211.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.74	
26 24 19 00-0195 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Non-Reversing.....	25,217.80	281.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.99	
<b>26 24 19 00-0196 230 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0197 EA 7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,477.51	140.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.49	
26 24 19 00-0198 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,151.66	147.86
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	88.72	
26 24 19 00-0199 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,203.50	154.90
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	92.94	
26 24 19 00-0200 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,337.09	183.07
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	109.85	
26 24 19 00-0201 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,485.32	211.23
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	126.74	
26 24 19 00-0202 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,785.08	281.64
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	168.99	
<b>26 24 19 00-0203 480 Volt Combination Starters With Fusible Switch, Full Volt</b> <small>(26 24 19 00-0181)</small>		
Note: 1-Speed reversing.		
26 24 19 00-0204 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	3,477.51	140.82
For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	84.49	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0205	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	5,151.66	147.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72	
26 24 19 00-0206	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	8,203.50	154.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.94	
26 24 19 00-0207	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	13,337.09	183.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85	
26 24 19 00-0208	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	20,485.32	211.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.74	
26 24 19 00-0209	EA		400 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 1 Speed Reversing.....	34,785.08	281.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.99	
<b>26 24 19 00-0210</b>			<b>230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)</b>		
			Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0211	EA		10 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	4,102.72	225.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.19	
26 24 19 00-0212	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	5,607.99	239.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.64	
26 24 19 00-0213	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	8,764.25	253.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.08	
26 24 19 00-0214	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	15,574.24	288.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.21	
26 24 19 00-0215	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	24,752.28	337.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.79	
<b>26 24 19 00-0216</b>			<b>480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)</b>		
			Note: 2-Speed non-reversing, 2 wind.		
26 24 19 00-0217	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	4,102.72	225.32
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	135.19	
26 24 19 00-0218	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	5,607.99	239.40
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	143.64	
26 24 19 00-0219	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	8,764.25	253.48
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	152.08	
26 24 19 00-0220	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	15,574.24	288.68
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	173.21	
26 24 19 00-0221	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 2 Wind Starter .....	24,752.28	337.97
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	202.79	
<b>26 24 19 00-0222</b>			<b>230 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)</b>		
			Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0223	EA		7-1/2 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....	4,624.86	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 24 19 00-0224	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....	7,019.49	147.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72	
26 24 19 00-0225	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....	10,078.11	154.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.94	
26 24 19 00-0226	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....	20,250.56	183.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85	
<b>26 24 19 00-0227</b>			<b>480 Volt Combination Starters With Fusible Switch, Full Volt (26 24 19 00-0181)</b>		
			Note: 2-Speed non-reversing, 1 wind.		
26 24 19 00-0228	EA		10 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....	4,624.86	140.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 24 19 00-0229	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....	7,019.49	147.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72	
26 24 19 00-0230	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....	10,078.11	154.90
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	92.94	
26 24 19 00-0231	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Full Volt, 2 Speed Non-Reversing, 1 Wind Starter .....	20,250.56	183.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85	
<b>26 24 19 00-0232</b>			<b>230 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
			Note: Auto-transformer.		
26 24 19 00-0233	EA		15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,972.06	147.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72	
26 24 19 00-0234	EA		30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	12,260.41	161.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.17	
26 24 19 00-0235	EA		50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	20,383.81	183.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85	
26 24 19 00-0236	EA		100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	27,200.03	211.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.74	
26 24 19 00-0237	EA		200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	45,660.07	281.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	168.99	
<b>26 24 19 00-0238</b>			<b>480 Volt Combination Starters With Fusible Switch, Reduced Volt (26 24 19 00-0181)</b>		
			Note: Auto-transformer.		
26 24 19 00-0239	EA		25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	6,972.06	147.86
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.72	
26 24 19 00-0240	EA		50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	12,260.41	161.95
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	97.17	
26 24 19 00-0241	EA		100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	20,383.81	183.07
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.85	
26 24 19 00-0242	EA		200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer.....	27,200.03	211.23
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.74	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0243 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Auto-Transformer ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45,660.07 168.99	281.64
<b>26 24 19 00-0244 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0245 EA 10 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,019.70 135.19	225.32
26 24 19 00-0246 EA 25 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,625.93 156.31	260.52
26 24 19 00-0247 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,485.70 173.21	288.68
26 24 19 00-0248 EA 75 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,789.54 211.24	352.05
<b>26 24 19 00-0249 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> (26 24 19 00-0181) Note: Part winding.		
26 24 19 00-0250 EA 15 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,019.70 135.19	225.32
26 24 19 00-0251 EA 40 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,625.93 156.31	260.52
26 24 19 00-0252 EA 75 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,485.70 173.21	288.68
26 24 19 00-0253 EA 150 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Part Winding Starters..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,789.54 211.24	352.05
<b>26 24 19 00-0254 230 Volt Combination Starters With Fusible Switch, Reduced Volt</b> (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0255 EA 7.5 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,252.82 109.85	183.07
26 24 19 00-0256 EA 15 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,502.71 135.19	225.32
26 24 19 00-0257 EA 30 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,750.37 156.31	260.52
26 24 19 00-0258 EA 50 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,908.11 173.21	288.68
26 24 19 00-0259 EA 100 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,951.59 211.24	352.05
26 24 19 00-0260 EA 200 HP, 230 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,417.76 270.39	450.64
<b>26 24 19 00-0261 480 Volt Combination Starters With Fusible Switch, Reduced Volt</b> (26 24 19 00-0181) Note: Energy saver.		
26 24 19 00-0262 EA 10 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,252.82 109.85	183.07
26 24 19 00-0263 EA 25 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,502.71 135.19	225.32
26 24 19 00-0264 EA 50 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,750.37 156.31	260.52
26 24 19 00-0265 EA 100 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,908.11 173.21	288.68
26 24 19 00-0266 EA 200 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,951.59 211.24	352.05
26 24 19 00-0267 EA 400 HP, 480 Volt, Combination Starters With Fusible Switch, Reduced Volt, Energy Saver Solid State Starter With MCP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	66,417.76 270.39	450.64
<b>26 24 19 00-0268 Starter Accessories</b> (26 24 19) Note: Additional options or accessories for the Combination Starters		
<b>26 24 19 00-0269 Starter Modifications</b> (26 24 19 00-0268)		
26 24 19 00-0270 EA Size 1, 2, 50 VA, 60 Hertz, Standard Control Circuit Transformer .....	192.48	
26 24 19 00-0271 EA Size 3, 4, 150 VA, 60 Hertz, Standard Control Circuit Transformer .....	352.34	
26 24 19 00-0272 EA Size 5, 6, 50 VA, 60 Hertz, Control Circuit Transformer .....	503.66	
26 24 19 00-0273 EA Extra 50 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	126.48	
26 24 19 00-0274 EA Extra 100 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	178.43	
26 24 19 00-0275 EA Extra 150 VA, 60 Hertz, Control Circuit Transformer, All Sizes .....	300.39	
26 24 19 00-0276 EA Overload Relay Heater Elements, 3 Per Starter .....	74.53	
26 24 19 00-0277 EA N.O. Overload Relay Alarm .....	63.24	
26 24 19 00-0278 EA Control Circuit Fuses, Primary/Secondary .....	141.50	
26 24 19 00-0279 EA Control Devices Type PB2 Mount On Device, 2 Unit Pushbutton .....	174.94	
26 24 19 00-0280 EA Control Devices Type PB2 Mount On Device, 3 Unit Pushbutton .....	342.17	
26 24 19 00-0281 EA Control Devices Type PB2 Mount On Device, 2 Or 3 Post Select .....	174.94	



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 24 19 00-0282	EA	Control Devices Type PB2 Mount On Device, Individual Light Full V .....	200.67	
26 24 19 00-0283	EA	Control Devices Type PB2 Mount On Device, Individual Light Transformer .....	241.83	
26 24 19 00-0284	EA	Control Devices Type PB2 Mount On Device, Individual Light Push To .....	285.57	
26 24 19 00-0285	EA	Blank Devices Panel .....	54.03	
26 24 19 00-0286	EA	Oversize Or Special Color Starter .....	84.90	
26 24 19 00-0287	EA	Mini Voltmeter/Ammeter With Current Transformer .....	749.75	
26 24 19 00-0288	EA	Mini Elapsed Time Meters, Non-Resettable .....	680.28	
26 24 19 00-0289	EA	Panel Elapsed Time Meter, Resettable .....	1,003.36	
26 24 19 00-0290	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Press .....	84.90	
26 24 19 00-0291	EA	Terminal Blocks, Side Mounted, Press Connection, Plug-In Screw .....	120.92	
26 24 19 00-0292	EA	Terminal Blocks, Front Mounted, Press Connection, Standard .....	84.90	
26 24 19 00-0293	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In .....	120.92	
26 24 19 00-0294	EA	Terminal Blocks, Front Mounted, Press Connection, Screw-Type Utility .....	120.92	
26 24 19 00-0295	EA	Terminal Blocks, Front Mounted, Press Connection, Plug-In Screw Type .....	174.94	
26 24 19 00-0296	EA	MOR - A Solid State Modular Overload Relay .....	434.79	
26 24 19 00-0297	EA	Heater Module .....	81.43	
26 24 19 00-0298	EA	LAM - Long Acceleration Module .....	505.87	
26 24 19 00-0299	EA	JAM - Jam Protection Module .....	579.90	
26 24 19 00-0300	EA	PUM - Phase Unbalance Module .....	1,100.58	
26 24 19 00-0301	EA	ULM - Underload Module .....	528.08	
26 24 19 00-0302	EA	Wiring To Common Control Circuit Transformer .....	115.98	
26 24 19 00-0303	EA	Handle Operator Separable Source Control Circuit .....	217.15	
26 24 19 00-0304	EA	Type SIS Control Wire .....	91.30	
26 24 19 00-0305	EA	Ring Or Spade Terminals Control .....	115.98	
26 24 19 00-0306	EA	Ring Terminals Power .....	115.98	
26 24 19 00-0307	EA	14 Gauge Control Wire .....	91.30	
26 24 19 00-0308	EA	Wiremakers .....	115.98	
26 24 19 00-0309	EA	Wiring Diagram On Door .....	69.09	
26 24 19 00-0310	EA	Special Color Or Type Control Wire .....	83.90	
26 24 19 00-0311	EA	Current Transformer 12.5 VA .....	658.87	
26 24 19 00-0312	EA	Ground Fault Relay-Instant Non-Adjust, Size 1 Thru 4 .....	2,104.92	
26 24 19 00-0313	EA	Ground Fault Relay-Instant Non-Adjust, Size 5 Thru 6 .....	2,368.96	

**26 24 19 00-0314 Control Relays And Special Components (26 24 19 00-0268)**

26 24 19 00-0315	EA	600 Volt, 2 Pole, Control Relays .....	577.60	
26 24 19 00-0316	EA	600 Volt, 4 Pole, Control Relays .....	686.71	
26 24 19 00-0317	EA	600 Volt, 6 Pole, Control Relays .....	809.91	
26 24 19 00-0318	EA	600 Volt, 8 Pole, Control Relays .....	904.30	
26 24 19 00-0319	EA	Pneumatic Timer, Control Relays .....	756.12	
26 24 19 00-0320	EA	Motor Driven Timer, Control Relays .....	1,970.32	
26 24 19 00-0321	EA	7 Days Time Switch, Control Relays .....	2,479.92	
26 24 19 00-0322	EA	24 Hour Time Switch, Control Relays .....	695.41	
26 24 19 00-0323	EA	Phase Voltage, Control Relays .....	1,182.93	
26 24 19 00-0324	EA	Two Circuit Alternator, Control Relays .....	1,655.73	
26 24 19 00-0325	EA	Manual 120 Volt, Control Relays .....	161.89	
26 24 19 00-0326	EA	Over-Current Relay, Control Relays .....	4,708.30	
26 24 19 00-0327	EA	UV-Relay, Control Relays .....	3,987.75	
26 24 19 00-0328	EA	Over-Current Relay, Control Relays .....	3,987.75	
26 24 19 00-0329	EA	Teleductor, Control Relays .....	1,219.72	
26 24 19 00-0330	EA	Current Transducer, Control Relays .....	3,280.19	
26 24 19 00-0331	EA	Watt Transducer, Control Relays .....	6,560.38	
26 24 19 00-0332	EA	Control Relays, Blank, Add For Each 1x .....	222.60	
26 24 19 00-0333	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure With Wireway .....	332.99	
26 24 19 00-0334	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure With Wireway .....	375.30	
26 24 19 00-0335	EA	Control Relays, Fixed Mounted Back Pan, 280" Structure With Wireway .....	417.61	
26 24 19 00-0336	EA	Control Relays, Fixed Mounted Back Pan, 20" Structure Without Wireway .....	375.30	
26 24 19 00-0337	EA	Control Relays, Fixed Mounted Back Pan, 24" Structure Without Wireway .....	417.61	
26 24 19 00-0338	EA	Control Relays, Fixed Mounted Back Pan, 2820" Structure Without Wireway .....	439.69	

**26 24 19 00-0339 Circuit Breaker Modifications/Accessories (26 24 19 00-0268)**

26 24 19 00-0340	EA	Shunt Trip, Circuit Breaker .....	358.37	
26 24 19 00-0341	EA	Auxiliary Switch, Circuit Breaker .....	123.78	
26 24 19 00-0342	EA	Key Interlock, Circuit Breaker .....	445.22	
26 24 19 00-0343	EA	GFR Ground Fault, Circuit Breaker .....	2,052.39	
26 24 19 00-0344	EA	Seltronic Breaker, Circuit Breaker .....	1,188.91	

**26 24 19 00-0345 Incoming Line And Feeder Circuit Breakers (26 24 19 00-0268)**

26 24 19 00-0346	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100 .....	1,834.73	91.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.92	
26 24 19 00-0347	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150 .....	3,175.94	140.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 24 19 00-0348	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/100 .....	3,056.77	91.53
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.92	
26 24 19 00-0349	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 100/150 .....	4,395.41	140.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 24 19 00-0350	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 150/150 .....	5,640.60	140.82
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.49	
26 24 19 00-0351	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 250 .....	3,497.20	183.07
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.86	
26 24 19 00-0352	EA	Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 400 .....	5,660.71	197.15
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	118.31	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0353 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,465.94 152.03	253.48
26 24 19 00-0354 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,793.92 232.43	387.26
26 24 19 00-0355 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 1200 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,458.82 350.93	584.42
26 24 19 00-0356 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,246.55 464.32	774.53
26 24 19 00-0357 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 2500 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,689.15 582.46	971.68
26 24 19 00-0358 EA Incoming Line And Feeder Circuit Breaker, Standard Mold, Type A, B, 3000 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67,820.68 676.54	1,126.44
26 24 19 00-0359 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,202.63 54.92	91.53
26 24 19 00-0360 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,533.55 84.49	140.82
26 24 19 00-0361 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,202.63 54.92	91.53
26 24 19 00-0362 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,533.55 84.49	140.82
26 24 19 00-0363 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,738.54 54.92	91.53
26 24 19 00-0364 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 150/150 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,120.91 84.49	140.82
26 24 19 00-0365 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 50 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,350.67 84.49	140.82
26 24 19 00-0366 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 100 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,356.03 84.49	140.82
26 24 19 00-0367 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,505.78 232.43	387.26
26 24 19 00-0368 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-225 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,505.78 232.43	387.26
26 24 19 00-0369 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 125-400 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,444.15 253.37	422.48
26 24 19 00-0370 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-600 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,286.26 295.60	492.89
26 24 19 00-0371 EA Incoming Line And Feeder Circuit Breaker, Current Limiting Mold, Case Circuit Breakers, 300-800 <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,441.38 350.93	584.42
<b>26 24 19 00-0372 Incoming Line And Feeder Fusible Switches</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0373 EA 30 To 60 Amperes, Incoming Line And Feeder Fusible Switches	2,023.81	140.82
26 24 19 00-0374 EA Incoming Line And Feeder Fusible Switches, 30 Dual / 60 Dual	3,107.12	140.82
26 24 19 00-0375 EA 100 Amperes, Incoming Line And Feeder Fusible Switches	3,176.89	176.03
26 24 19 00-0376 EA 200 Amperes, Incoming Line And Feeder Fusible Switches	5,153.79	211.23
26 24 19 00-0377 EA 400 Amperes, Incoming Line And Feeder Fusible Switches	10,134.05	267.56
26 24 19 00-0378 EA 600 Amperes, Incoming Line And Feeder Fusible Switches	14,210.86	352.05
26 24 19 00-0379 EA 800 Amperes, Incoming Line And Feeder Fusible Switches	34,498.75	471.76
26 24 19 00-0380 EA 1,200 Amperes, Incoming Line And Feeder Fusible Switches	38,943.48	654.83
<b>26 24 19 00-0381 Dry Type Distribution Transformers</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0382 EA 500 VA, Phase 1, Dry Type Distribution Transformers	1,754.59	
26 24 19 00-0383 EA 750 VA, Phase 1, Dry Type Distribution Transformers	1,811.19	
26 24 19 00-0384 EA 1,000 VA, Phase 1, Dry Type Distribution Transformers	1,870.36	
26 24 19 00-0385 EA 1,500 VA, Phase 1, Dry Type Distribution Transformers	2,145.64	
26 24 19 00-0386 EA 2,000 VA, Phase 1, Dry Type Distribution Transformers	2,325.73	
26 24 19 00-0387 EA 3,000 VA, Phase 1, Dry Type Distribution Transformers	2,647.80	
26 24 19 00-0388 EA 5,000 VA, Phase 1, Dry Type Distribution Transformers	3,164.44	
26 24 19 00-0389 EA 7,500 VA, Phase 1, Dry Type Distribution Transformers	3,565.78	
26 24 19 00-0390 EA 9,000 VA, Phase 3, Dry Type Distribution Transformers	8,289.28	
26 24 19 00-0391 EA 10,000 VA, Phase 1, Dry Type Distribution Transformers	4,399.34	
26 24 19 00-0392 EA 15,000 VA, Phase 1, Dry Type Distribution Transformers	6,094.75	
26 24 19 00-0393 EA 15,000 VA, Phase 3, Dry Type Distribution Transformers	9,498.45	
26 24 19 00-0394 EA 20,000 VA, Phase 1, Dry Type Distribution Transformers	8,796.10	
26 24 19 00-0395 EA 30,000 VA, Phase 1, Dry Type Distribution Transformers	12,189.51	
26 24 19 00-0396 EA 30,000 VA, Phase 3, Dry Type Distribution Transformers	12,659.12	
26 24 19 00-0397 EA 45,000 VA, Phase 1, Dry Type Distribution Transformers	17,535.22	
<b>26 24 19 00-0398 Metering Equipment</b> <small>(26 24 19 00-0268)</small>		
26 24 19 00-0399 EA Metering Equipment, Voltmeter, Panel Type	828.41	
26 24 19 00-0400 EA Metering Equipment, Voltmeter, Switchboard Type	1,811.19	
26 24 19 00-0401 EA Metering Equipment, Ammeter, Panel	746.09	
26 24 19 00-0402 EA Metering Equipment, Ammeter, Switchboard Type	1,811.19	
26 24 19 00-0403 EA Metering Equipment, Voltmeter/Ammeter, Switch	1,005.93	
26 24 19 00-0404 EA Metering Equipment, Control Switch, 4 Circuits	1,067.68	
26 24 19 00-0405 EA Add For Additional Circuits	135.72	
26 24 19 00-0406 EA Metering Equipment, Indicating Wattmeter	3,735.58	
26 24 19 00-0407 EA Metering Equipment, Indicating Power Factor	3,913.09	
26 24 19 00-0408 EA Metering Equipment, Integrating Watt-hour	3,450.01	
26 24 19 00-0409 EA Add For Demand Attachment	888.36	
26 24 19 00-0410 EA 800 Amperes, Metering Equipment, Current Transformer	1,031.66	
26 24 19 00-0411 EA 1,000 Amperes, Metering Equipment, Current Transformer	1,780.32	
26 24 19 00-0412 EA 2,000 Amperes, Metering Equipment, Current Transformer	2,073.61	
26 24 19 00-0413 EA Metering Equipment, Potential Transformer	1,728.86	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0414	EA		Metering Equipment, Surge Arrester .....	1,860.07	
26 24 19 00-0415	EA		Metering Equipment, Ground Detector System .....	1,422.71	

**26 24 19 00-0416 Current Limiting Reactors (26 24 19 00-0268)**

26 24 19 00-0417	EA		600 Amperes, Current Limiting Reactors .....	31,754.98	
26 24 19 00-0418	EA		800 Amperes, Current Limiting Reactors .....	46,244.49	
26 24 19 00-0419	EA		1,000 Amperes, Current Limiting Reactors .....	60,767.45	
26 24 19 00-0420	EA		1,200 Amperes, Current Limiting Reactors .....	92,499.27	

**26 24 19 00-0421 Incoming Line Cable Space Requirements, Main Lugs Only (26 24 19 00-0268)**

26 24 19 00-0422	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Screw .....	490.11	
26 24 19 00-0423	EA		Incoming Line Cable Space Requirement, 350 MCC, 2 Crimp .....	490.11	
26 24 19 00-0424	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Screw .....	677.57	
26 24 19 00-0425	EA		Incoming Line Cable Space Requirement, 350 MCC, 4 Crimp .....	1,239.95	
26 24 19 00-0426	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Screw .....	677.57	
26 24 19 00-0427	EA		Incoming Line Cable Space Requirement, 600 MCC, 2 Crimp .....	865.03	
26 24 19 00-0428	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Screw .....	865.03	
26 24 19 00-0429	EA		Incoming Line Cable Space Requirement, 600 MCC, 4 Crimp .....	1,237.69	
26 24 19 00-0430	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Screw .....	865.03	
26 24 19 00-0431	EA		Incoming Line Cable Space Requirement, 750 MCC, 2 Crimp .....	1,237.69	
26 24 19 00-0432	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Screw .....	1,052.49	
26 24 19 00-0433	EA		Incoming Line Cable Space Requirement, 750 MCC, 4 Crimp .....	3,412.69	
26 24 19 00-0434	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Screw .....	1,052.49	
26 24 19 00-0435	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 2 Crimp .....	1,237.69	
26 24 19 00-0436	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 4 Screw .....	3,412.69	
26 24 19 00-0437	EA		Incoming Line Cable Space Requirement, 1,000 MCC, 4 Crimp .....	3,412.69	
26 24 19 00-0438	EA		Bus Duct Transition Pull Box .....	1,113.94	
26 24 19 00-0439	EA		Throat And Transition To Substation .....	2,150.45	
26 24 19 00-0440	EA		Service Entrance Label .....	465.71	
26 24 19 00-0441	EA		Type W To 5 Star - 10" Transition .....	973.45	
26 24 19 00-0442	EA		600 Amperes, Sub Feed Lugs On Main Bus .....	589.77	

**26 24 19 00-0443 Standard Structures And Structure Options/Modifications (26 24 19 00-0268)**

26 24 19 00-0444	EA		Standard Structure Add For Each Additional 4" Of Structure Width .....	307.52	
26 24 19 00-0445	EA		Standard Structure Add For 8" Vertical Wireway In Lieu Of 4" .....	307.52	
26 24 19 00-0446	EA		Standard Structure Single Corner Section "L", 16" Depth .....	951.33	
26 24 19 00-0447	EA		Standard Structure Single Corner Section "L", 21" Depth .....	1,073.01	
26 24 19 00-0448	EA		Standard Structure Unused Space/Future Space .....	91.81	
26 24 19 00-0449	EA		Standard Structure NEMA 12 Dustproof .....	247.79	
26 24 19 00-0450	EA		Standard Structure Bottom Plate For NEMA 1 Gasket Enclosure .....	51.99	
26 24 19 00-0451	EA		Standard Structure 150 Watt Space .....	223.45	
26 24 19 00-0452	EA		Standard Structure Thermostat For Space Heater Control .....	718.09	
26 24 19 00-0453	EA		Standard Structure Rear Hinged Structure Door, 72" High .....	223.45	
26 24 19 00-0454	EA		Standard Structure NEMA 2 Drip Shield On Top Of MCC .....	463.92	
26 24 19 00-0455	EA		Standard Structure NEMA 3R N-Walk In Front Mounted .....	6,618.27	
26 24 19 00-0456	EA		Standard Structure NEMA 3R N-Walk In Back-to-back .....	7,649.76	
26 24 19 00-0457	EA		Standard Structure NEMA 3R Walk-In Aisle Front Mounted .....	7,657.16	

**26 24 19 00-0458 Installation Hours For Vertical Sections (26 24 19 00-0268)**

26 24 19 00-0459	EA		Install Vertical Section, 230/480 Volt, 1 Section, 600 Amperes .....	844.90	422.48
26 24 19 00-0460	EA		Install Vertical Section, 230/480 Volt, 2 Section, 600 Amperes .....	1,267.36	633.71
26 24 19 00-0461	EA		Install Vertical Section, 230/480 Volt, 3 Section, 600 Amperes .....	1,408.24	704.12
26 24 19 00-0462	EA		Install Vertical Section, 230/480 Volt, 4 Section, 600 Amperes .....	1,690.03	844.94
26 24 19 00-0463	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 600 Amperes .....	140.82	70.41
26 24 19 00-0464	EA		Install Vertical Section, 230/480 Volt, 1 Section, 800 Amperes .....	844.90	422.48
26 24 19 00-0465	EA		Install Vertical Section, 230/480 Volt, 2 Section, 800 Amperes .....	1,267.36	633.71
26 24 19 00-0466	EA		Install Vertical Section, 230/480 Volt, 3 Section, 800 Amperes .....	1,408.24	704.12
26 24 19 00-0467	EA		Install Vertical Section, 230/480 Volt, 4 Section, 800 Amperes .....	1,690.03	844.94
26 24 19 00-0468	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 800 Amperes .....	140.82	70.41
26 24 19 00-0469	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,200 Amperes .....	985.78	492.89
26 24 19 00-0470	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,200 Amperes .....	1,267.36	633.71
26 24 19 00-0471	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,200 Amperes .....	1,690.03	844.94
26 24 19 00-0472	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,200 Amperes .....	1,971.28	985.62
26 24 19 00-0473	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,200 Amperes .....	211.23	105.62
26 24 19 00-0474	EA		Install Vertical Section, 230/480 Volt, 1 Section, 1,600 Amperes .....	1,126.58	563.30
26 24 19 00-0475	EA		Install Vertical Section, 230/480 Volt, 2 Section, 1,600 Amperes .....	1,549.19	774.53
26 24 19 00-0476	EA		Install Vertical Section, 230/480 Volt, 3 Section, 1,600 Amperes .....	1,971.28	985.62
26 24 19 00-0477	EA		Install Vertical Section, 230/480 Volt, 4 Section, 1,600 Amperes .....	2,252.79	1,126.44
26 24 19 00-0478	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 1,600 Amperes .....	281.64	140.82
26 24 19 00-0479	EA		Install Vertical Section, 230/480 Volt, 1 Section, 2,000 Amperes .....	1,126.58	563.30
26 24 19 00-0480	EA		Install Vertical Section, 230/480 Volt, 2 Section, 2,000 Amperes .....	1,690.03	844.94
26 24 19 00-0481	EA		Install Vertical Section, 230/480 Volt, 3 Section, 2,000 Amperes .....	2,112.13	1,056.03
26 24 19 00-0482	EA		Install Vertical Section, 230/480 Volt, 4 Section, 2,000 Amperes .....	2,394.15	1,197.15
26 24 19 00-0483	EA		Bolt To Floor, Vertical Section, 230/480 Volt, 2,000 Amperes .....	281.64	140.82

**26 24 19 00-0484 Motor Control Centers (26 24 19)****26 24 19 00-0485 2.4 KV Motor Control Centers (26 24 19 00-0484)**

26 24 19 00-0486	EA		2.4 KV CL 11-202, Squirrel Cage Motor Control, 100 To 300 Hp .....	12,713.63	281.64
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	<i>168.99</i>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0487 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 400 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,713.63 168.99	281.64
26 24 19 00-0488 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 600 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,713.63 168.99	281.64
26 24 19 00-0489 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 700 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	12,784.07 190.12	316.85
26 24 19 00-0490 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,590.15 211.24	352.05
26 24 19 00-0491 EA 2,400 KV CL 11-202, Squirrel Cage Motor Control, 1,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,660.53 232.35	387.26
26 24 19 00-0492 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,730.93 253.47	422.48
26 24 19 00-0493 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,871.81 295.73	492.89
26 24 19 00-0494 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,012.61 337.97	563.30
26 24 19 00-0495 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23,323.73 380.21	633.71
26 24 19 00-0496 EA 2.4 KV CL 11-202, Squirrel Cage Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,054.93 422.47	704.12
26 24 19 00-0497 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 100 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,744.94 168.99	281.64
26 24 19 00-0498 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 150 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,536.28 181.67	302.77
26 24 19 00-0499 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 200 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,183.17 198.56	330.93
26 24 19 00-0500 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 300 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24,677.79 211.24	352.05
26 24 19 00-0501 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 400 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26,871.29 245.05	408.39
26 24 19 00-0502 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 600 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,431.97 261.94	436.56
26 24 19 00-0503 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 700 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,991.11 278.81	464.72
26 24 19 00-0504 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,034.88 304.19	506.97
26 24 19 00-0505 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	40,746.30 337.97	563.30
26 24 19 00-0506 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,135.66 359.12	598.50
26 24 19 00-0507 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67,220.65 422.47	704.12
26 24 19 00-0508 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71,642.08 464.76	774.53
26 24 19 00-0509 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	75,498.62 507.01	844.94
26 24 19 00-0510 EA 2.4 KV CL 13-202, Wound Rotor Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	82,205.98 549.31	915.49
26 24 19 00-0511 EA 2.4 KV CL 14-202, Synchronous Motor Control, 100 To 300 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,700.09 168.99	281.64
26 24 19 00-0512 EA 2.4 KV CL 14-202, Synchronous Motor Control, 400 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,770.53 190.12	316.85
26 24 19 00-0513 EA 2.4 KV CL 14-202, Synchronous Motor Control, 600 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,840.91 211.24	352.05
26 24 19 00-0514 EA 2.4 KV CL 14-202, Synchronous Motor Control, 700 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,911.29 232.35	387.26
26 24 19 00-0515 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,984.66 253.47	422.48
26 24 19 00-0516 EA 2,400 Volt CL 14-202, Synchronous Motor Control, 1,250 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,055.14 274.61	457.68
26 24 19 00-0517 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,125.54 295.73	492.89
26 24 19 00-0518 EA 2.4 KV CL 14-202, Synchronous Motor Control, 1,750 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18,407.12 380.21	633.71
26 24 19 00-0519 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,000 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,037.20 422.47	704.12
26 24 19 00-0520 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,250 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31,178.15 464.76	774.53
26 24 19 00-0521 EA 2.4 KV CL 14-202, Synchronous Motor Control, 2,500 Hp ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,900.39 507.01	844.94
26 24 19 00-0522 EA Add For Reversing Starters, 100 To 700 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,984.76 84.49	
26 24 19 00-0523 EA Add For Reversing Starters, 1,000 To 1,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,192.83 84.49	
26 24 19 00-0524 EA Add For Reversing Starters, 1,750 To 2,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,945.69 84.49	
<b>26 24 19 00-0525 4.8 KV Motor Control Centers (26 24 19 00-0484)</b>		
26 24 19 00-0526 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 100 To 600 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13,939.01 253.47	422.48
26 24 19 00-0527 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 700 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,009.49 274.61	457.68
26 24 19 00-0528 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,000 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,079.89 295.73	492.89
26 24 19 00-0529 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,250 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,150.34 316.87	528.09
26 24 19 00-0530 EA 4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,500 HP ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,948.97 337.97	563.30



**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0531	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,019.47 359.12	598.50
26 24 19 00-0532	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,089.75 380.21	633.71
26 24 19 00-0533	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,160.29 401.37	668.91
26 24 19 00-0534	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,230.63 422.47	704.12
26 24 19 00-0535	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,559.45 549.31	915.49
26 24 19 00-0536	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,699.71 591.38	985.62
26 24 19 00-0537	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,423.45 633.64	1,056.03
26 24 19 00-0538	EA		4.8 KV CL 11-202, Squirrel Cage Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,564.11 675.84	1,126.44
26 24 19 00-0539	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 100 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,237.60 253.47	422.48
26 24 19 00-0540	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 150 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,516.15 274.61	457.68
26 24 19 00-0541	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 200 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	22,722.60 295.73	492.89
26 24 19 00-0542	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 300 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	25,237.98 316.87	528.09
26 24 19 00-0543	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 400 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27,389.12 337.97	563.30
26 24 19 00-0544	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	29,964.00 359.12	598.50
26 24 19 00-0545	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32,382.60 380.21	633.71
26 24 19 00-0546	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	35,566.89 401.37	668.91
26 24 19 00-0547	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	41,136.46 422.47	704.12
26 24 19 00-0548	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44,931.52 443.60	739.32
26 24 19 00-0549	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	48,796.99 485.86	809.74
26 24 19 00-0550	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	51,972.32 507.01	844.94
26 24 19 00-0551	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54,969.06 528.09	880.15
26 24 19 00-0552	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59,149.35 549.31	915.49
26 24 19 00-0553	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	93,473.13 675.84	1,126.44
26 24 19 00-0554	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	103,899.54 718.25	1,197.15
26 24 19 00-0555	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	124,736.52 760.41	1,267.42
26 24 19 00-0556	EA		4.8 KV CL 13-202, Wound Rotor Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	131,878.09 760.41	1,267.42
26 24 19 00-0557	EA		4.8 KV CL 14-202, Synchronous Motor Control, 100 To 600 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,063.38 295.73	492.89
26 24 19 00-0558	EA		4.8 KV CL 14-202, Synchronous Motor Control, 700 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,133.83 316.87	528.09
26 24 19 00-0559	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,204.18 337.97	563.30
26 24 19 00-0560	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19,274.68 359.12	598.50
26 24 19 00-0561	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,911.50 380.21	633.71
26 24 19 00-0562	EA		4.8 KV CL 14-202, Synchronous Motor Control, 1,750 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	20,982.04 401.37	668.91
26 24 19 00-0563	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,052.38 422.47	704.12
26 24 19 00-0564	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,122.82 443.60	739.32
26 24 19 00-0565	EA		4.8 KV CL 14-202, Synchronous Motor Control, 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,193.33 464.76	774.53
26 24 19 00-0566	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	21,615.42 591.38	985.62
26 24 19 00-0567	EA		4.8 KV CL 14-202, Synchronous Motor Control, 3,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34,453.55 633.64	1,056.03
26 24 19 00-0568	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,000 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,169.66 675.84	1,126.44
26 24 19 00-0569	EA		4.8 KV CL 14-202, Synchronous Motor Control, 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36,169.66 675.84	1,126.44
26 24 19 00-0570	EA		Add For Reversing Starters, 100 To 1,250 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,467.77 84.49	
26 24 19 00-0571	EA		Add For Reversing Starters, 1,500 To 2,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	10,783.97 84.49	
26 24 19 00-0572	EA		Add For Reversing Starters, 3,000 To 4,500 HP <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16,486.85 84.49	
26 24 19 00-0573			<b>2.4/4.8 KV Motor Control Centers, Accessories</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0574	EA		2.4/4.8 KV Load Break Disconnect Switch 600 Amperes	13,662.98	281.64



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 24 19 00-0575	EA		2.4/4.8 KV Load Break Disconnect Switch 1,200 Amperes .....	16,453.84	422.48
	26 24 19 00-0576	EA		2.4/4.8 KV NEMA 3 Weather Resistant .....	5,332.47	
	26 24 19 00-0577	EA		2.4/4.8 KV Space Heaters .....	269.08	21.12
	26 24 19 00-0578	EA		2.4/4.8 KV Potential Transformer Fused.....	1,544.86	
	26 24 19 00-0579	EA		2.4/4.8 KV Current Transformer 600 Volt, 5 KVA .....	828.89	
	26 24 19 00-0580	EA		2.4/4.8 KV Control Transformer 4 KVA Max .....	2,468.61	
	26 24 19 00-0581	EA		2.4/4.8 KV Pushbuttons Each .....	158.10	
	26 24 19 00-0582	EA		2.4/4.8 KV Selector Switch Each .....	523.99	
	26 24 19 00-0583	EA		2.4/4.8 KV Indicating Light.....	158.10	
	26 24 19 00-0584	EA		2.4/4.8 KV Push To Test Light.....	478.82	
	26 24 19 00-0585	EA		2.4/4.8 KV AC Voltmeter, Switchboard Type .....	1,273.83	
	26 24 19 00-0586	EA		2.4/4.8 KV AC Ammeter, Switchboard Type .....	1,273.83	
	26 24 19 00-0587	EA		2.4/4.8 KV Power Factor Meter.....	3,810.20	
	26 24 19 00-0588	EA		2.4/4.8 KV Watt Hr Meter, 2 Element Drawout .....	2,626.71	
	26 24 19 00-0589	EA		2.4/4.8 KV Operation Counter .....	521.07	21.12
	26 24 19 00-0590	EA		2.4/4.8 KV Phase Failure Protection.....	3,713.87	70.41
	26 24 19 00-0591	EA		2.4/4.8 KV Ground Protection.....	7,053.89	35.21
	26 24 19 00-0592	EA		2.4/4.8 KV Synchronous Motor DC Protection.....	2,097.69	35.21
	26 24 19 00-0593	EA		2.4/4.8 KV Lightning Arresters.....	5,453.84	21.12
	26 24 19 00-0594	EA		2.4/4.8 KV Portable Lifting Mechanism.....	7,888.32	
	26 24 19 00-0595	EA		2.4/4.8 KV Auxiliary Timing Relay.....	748.22	70.41
	26 24 19 00-0596	EA		2.4/4.8 KV Auxiliary Control Relay.....	542.49	70.41
	<b>26 24 19 00-0597</b>			<b>Incoming Section And Feeder Air Circuit Breakers</b> (26 24 19 00-0484)		
				Note: 3 Pole. Includes structure.		
	26 24 19 00-0598	EA		Incoming Section MCC, Air Circuit Breaker, 70 - 100 Amperes, 14,000 Ampere IC, 3-Pole, With Structure Included .....	1,298.55	422.36
	26 24 19 00-0599	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 225 Amperes, 22,000 Ampere IC, 3-Pole, With Structure Included .....	2,264.14	747.60
	26 24 19 00-0600	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included .....	2,757.93	957.24
	26 24 19 00-0601	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 600 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included .....	4,391.83	1,541.45
	26 24 19 00-0602	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 1,200 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included .....	5,113.96	1,695.59
	26 24 19 00-0603	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 2,000 Amperes, 30,000 Ampere IC, 3-Pole, With Structure Included .....	6,372.43	1,880.56
	26 24 19 00-0604	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 45,000 Ampere IC, 3-Pole, With Structure Included .....	7,429.13	2,204.27
	26 24 19 00-0605	EA		Incoming Section MCC, Air Circuit Breaker, 125 - 400 Amperes, 100,000 Ampere IC, 3-Pole, With Structure Included .....	11,859.85	2,568.06
	<b>26 24 19 00-0606</b>			<b>Main Lugs Only</b> (26 24 19 00-0484)		
	26 24 19 00-0607	EA		600 Amperes Incoming Section, Main Lugs .....	1,172.58	539.51
	26 24 19 00-0608	EA		800 Amperes Incoming Section, Main Lugs .....	1,281.71	539.51
	26 24 19 00-0609	EA		1,200 Amperes Incoming Section, Main Lugs.....	1,835.14	847.80
	26 24 19 00-0610	EA		2,000 Amperes Incoming Section, Main Lugs.....	4,075.70	1,541.45
	26 24 19 00-0611	EA		3,000 Amperes Incoming Section, Main Lugs.....	6,135.60	2,235.10
	26 24 19 00-0612	EA		4,000 Amperes Incoming Section, Main Lugs.....	8,643.52	3,082.90
	<b>26 24 19 00-0613</b>			<b>Incoming Main Circuit Breaker Structure</b> (26 24 19 00-0484)		
				Note: Includes structure, main breaker, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
	26 24 19 00-0614	EA		225 Amperes, Main Circuit Breaker Section .....	5,740.35	745.90
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For NEMA 1 With Gaskets, Add	97.00	
				For NEMA 12, Add	245.00	
				For 20" Cabinet Depth, Add	108.00	
	26 24 19 00-0615	EA		400 Amperes, Main Circuit Breaker Section .....	11,686.23	958.17
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For NEMA 1 With Gaskets, Add	97.00	
				For NEMA 12, Add	245.00	
				For 20" Cabinet Depth, Add	108.00	
	26 24 19 00-0616	EA		600 Amperes, Main Circuit Breaker Section .....	12,531.07	1,492.43
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For NEMA 1 With Gaskets, Add	97.00	
				For NEMA 12, Add	245.00	
				For 20" Cabinet Depth, Add	108.00	
	26 24 19 00-0617	EA		800 Amperes, Main Circuit Breaker Section .....	17,303.41	1,492.43
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For NEMA 1 With Gaskets, Add	97.00	
				For NEMA 12, Add	245.00	
				For 20" Cabinet Depth, Add	108.00	
	26 24 19 00-0618	EA		1,200 Amperes, Main Circuit Breaker Section .....	24,668.35	1,688.65
				For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
				For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
				For NEMA 1 With Gaskets, Add	97.00	
				For NEMA 12, Add	245.00	
				For 20" Cabinet Depth, Add	108.00	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0619			<b>Incoming Fusible Main Disconnect Section</b> (26 24 19 00-0484) Note: Includes structure, fuses, 42 KA bus bracing, 600 A tin plated copper bus, NEMA 1 enclosure, 15" cabinet depth, and 1/4" x 2" tin plated copper horizontal ground bus.		
26 24 19 00-0620	EA		200 Amperes, Fusible Main Disconnect Section.....	5,063.51	746.83
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0621	EA		400 Amperes, Fusible Main Disconnect Section.....	6,933.41	958.63
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0622	EA		600 Amperes, Fusible Main Disconnect Section.....	13,242.62	1,493.66
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0623	EA		800 Amperes, Fusible Main Disconnect Section.....	15,200.33	1,493.66
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0624	EA		1,200 Amperes, Fusible Main Disconnect Section.....	21,077.76	1,690.20
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For NEMA 1 With Gaskets, Add	97.00	
			For NEMA 12, Add	245.00	
			For 20" Cabinet Depth, Add	108.00	
26 24 19 00-0625			<b>Circuit Breaker Combination Starters</b> (26 24 19 00-0484)		
26 24 19 00-0626			<b>Class I, Type A</b> (26 24 19 00-0625)		
26 24 19 00-0627	EA		Size 1, Class I, Type A Circuit Breaker Combination Starter .....	1,038.37	312.92
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.41	
26 24 19 00-0628	EA		Size 2, Class I, Type A Circuit Breaker Combination Starter .....	1,194.32	312.92
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.62	
26 24 19 00-0629	EA		Size 3, Class I, Type A Circuit Breaker Combination Starter .....	1,704.82	443.94
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	265.77	
26 24 19 00-0630	EA		Size 4, Class I, Type A Circuit Breaker Combination Starter .....	2,663.12	584.21
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	350.33	
26 24 19 00-0631	EA		Size 5, Class I, Type A Circuit Breaker Combination Starter .....	4,511.03	730.64
			For 20" Cabinet Depth, Add	108.00	
			For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
			For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
			For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
			For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
			For NEMA 1 With Gasket, Add	97.00	
			For NEMA 12, Add	245.00	
			For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	437.91	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 24 19 00-0632 Class I, Type B</b> <small>(26 24 19 00-0625)</small>			
26 24 19 00-0633	EA Size 1, Class I, Type B Circuit Breaker Combination Starter .....	962.59	272.83
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	154.15	
26 24 19 00-0634	EA Size 2, Class I, Type B Circuit Breaker Combination Starter .....	1,114.20	272.83
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	173.59	
26 24 19 00-0635	EA Size 3, Class I, Type B Circuit Breaker Combination Starter .....	1,609.41	394.61
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	237.14	
26 24 19 00-0636	EA Size 4, Class I, Type B Circuit Breaker Combination Starter .....	2,565.81	534.88
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	321.14	
26 24 19 00-0637	EA Size 5, Class I, Type B Circuit Breaker Combination Starter .....	4,432.54	682.86
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	414.37	
<b>26 24 19 00-0638 Class I, Type C</b> <small>(26 24 19 00-0625)</small>			
26 24 19 00-0639	EA Size 1, Class I, Type C Circuit Breaker Combination Starter .....	982.91	252.80
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	139.62	
26 24 19 00-0640	EA Size 2, Class I, Type C Circuit Breaker Combination Starter .....	1,149.35	252.80
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	163.99	
26 24 19 00-0641	EA Size 3, Class I, Type C Circuit Breaker Combination Starter .....	1,684.27	377.65
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	226.68	

**26 Electrical**

**26 20 Low-Voltage Electrical Distribution**

**26 24 Switchboards and Panelboards**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0642	EA Size 4, Class I, Type C Circuit Breaker Combination Starter .....	2,649.44	522.55
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	313.30	
26 24 19 00-0643	EA Size 5, Class I, Type C Circuit Breaker Combination Starter .....	4,502.40	670.53
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	401.42	
<b>26 24 19 00-0644</b>	<b>Class II, Type B</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0645	EA Size 1, Class II, Type B Circuit Breaker Combination Starter .....	1,086.44	374.58
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	211.74	
26 24 19 00-0646	EA Size 2, Class II, Type B Circuit Breaker Combination Starter .....	1,421.91	374.58
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	236.42	
26 24 19 00-0647	EA Size 3, Class II, Type B Circuit Breaker Combination Starter .....	1,963.74	499.43
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	298.73	
26 24 19 00-0648	EA Size 4, Class II, Type B Circuit Breaker Combination Starter .....	3,061.61	639.70
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	385.36	
26 24 19 00-0649	EA Size 5, Class II, Type B Circuit Breaker Combination Starter .....	5,204.19	781.52
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	469.95	
<b>26 24 19 00-0650</b>	<b>Class II, Type C</b> <small>(26 24 19 00-0625)</small>		
26 24 19 00-0651	EA Size 1, Class II, Type C Circuit Breaker Combination Starter .....	1,268.97	354.53
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	202.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24 19 00-0652	EA		Size 2, Class II, Type C Circuit Breaker Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,440.88 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 221.47	354.53
26 24 19 00-0653	EA		Size 3, Class II, Type C Circuit Breaker Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,045.17 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 289.75	484.01
26 24 19 00-0654	EA		Size 4, Class II, Type C Circuit Breaker Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,133.93 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 374.14	624.29
26 24 19 00-0655	EA		Size 5, Class II, Type C Circuit Breaker Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,296.68 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 464.29	770.72
26 24 19 00-0656			<b>Fused Disconnect Combination Starter</b> (26 24 19 00-0484)		
26 24 19 00-0657			<b>Class I, Type A</b> (26 24 19 00-0656)		
26 24 19 00-0658	EA		Size 1, Class I, Type A Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	963.14 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 173.59	288.25
26 24 19 00-0659	EA		Size 2, Class I, Type A Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,415.36 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 236.42	394.61
26 24 19 00-0660	EA		Size 3, Class I, Type A Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,151.20 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 308.29	513.30
26 24 19 00-0661	EA		Size 4, Class I, Type A Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,959.20 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 432.99	719.86



**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0662	EA Size 5, Class I, Type A Fused Disconnect Combination Starter .....	4,880.93	917.16
	<i>For 20" Cabinet Depth, Add</i>	108.00	
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
	<i>For NEMA 1 With Gasket, Add</i>	97.00	
	<i>For NEMA 12, Add</i>	245.00	
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	550.52	
<b>26 24 19 00-0663</b>	<b>Class I, Type B</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0664	EA Size 1, Class I, Type B Fused Disconnect Combination Starter .....	947.85	257.42
	<i>For 20" Cabinet Depth, Add</i>	108.00	
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
	<i>For NEMA 1 With Gasket, Add</i>	97.00	
	<i>For NEMA 12, Add</i>	245.00	
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	154.15	
26 24 19 00-0665	EA Size 2, Class I, Type B Fused Disconnect Combination Starter .....	1,282.57	352.99
	<i>For 20" Cabinet Depth, Add</i>	108.00	
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
	<i>For NEMA 1 With Gasket, Add</i>	97.00	
	<i>For NEMA 12, Add</i>	245.00	
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	211.74	
26 24 19 00-0666	EA Size 3, Class I, Type B Fused Disconnect Combination Starter .....	1,854.05	471.68
	<i>For 20" Cabinet Depth, Add</i>	108.00	
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
	<i>For NEMA 1 With Gasket, Add</i>	97.00	
	<i>For NEMA 12, Add</i>	245.00	
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	283.35	
26 24 19 00-0667	EA Size 4, Class I, Type B Fused Disconnect Combination Starter .....	3,008.13	681.32
	<i>For 20" Cabinet Depth, Add</i>	108.00	
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
	<i>For NEMA 1 With Gasket, Add</i>	97.00	
	<i>For NEMA 12, Add</i>	245.00	
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	409.96	
26 24 19 00-0668	EA Size 5, Class I, Type B Fused Disconnect Combination Starter .....	4,908.15	866.29
	<i>For 20" Cabinet Depth, Add</i>	108.00	
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
	<i>For NEMA 1 With Gasket, Add</i>	97.00	
	<i>For NEMA 12, Add</i>	245.00	
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	520.76	
<b>26 24 19 00-0669</b>	<b>Class I, Type C</b> <small>(26 24 19 00-0656)</small>		
26 24 19 00-0670	EA Size 1, Class I, Type C Fused Disconnect Combination Starter .....	975.73	240.47
	<i>For 20" Cabinet Depth, Add</i>	108.00	
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
	<i>For NEMA 1 With Gasket, Add</i>	97.00	
	<i>For NEMA 12, Add</i>	245.00	
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	144.33	
26 24 19 00-0671	EA Size 2, Class I, Type C Fused Disconnect Combination Starter .....	1,316.85	326.78
	<i>For 20" Cabinet Depth, Add</i>	108.00	
	<i>For 800 Amperes, Tin Plated Copper Bus, Add</i>	182.00	
	<i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i>	334.00	
	<i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i>	402.00	
	<i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i>	506.00	
	<i>For NEMA 1 With Gasket, Add</i>	97.00	
	<i>For NEMA 12, Add</i>	245.00	
	<i>For 600 Amperes, Tin Plated Copper Vertical, Add</i>	210.00	
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	197.62	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 24	19 00-0672	EA	Size 3, Class I, Type C Fused Disconnect Combination Starter ..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,967.56 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 275.26	454.73
26 24	19 00-0673	EA	Size 4, Class I, Type C Fused Disconnect Combination Starter ..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,120.17 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 401.42	670.53
26 24	19 00-0674	EA	Size 5, Class I, Type C Fused Disconnect Combination Starter ..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,673.96 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 513.82	857.04
<b>26 24 19 00-0675 Class II, Type B <small>(26 24 19 00-0656)</small></b>					
26 24	19 00-0676	EA	Size 1, Class II, Type B Fused Disconnect Combination Starter ..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,227.75 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 216.50	360.70
26 24	19 00-0677	EA	Size 2, Class II, Type B Fused Disconnect Combination Starter ..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,571.20 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 269.48	450.10
26 24	19 00-0678	EA	Size 3, Class II, Type B Fused Disconnect Combination Starter ..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,214.68 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 347.18	579.58
26 24	19 00-0679	EA	Size 4, Class II, Type B Fused Disconnect Combination Starter ..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,466.92 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 469.95	781.52
26 24	19 00-0680	EA	Size 5, Class II, Type B Fused Disconnect Combination Starter ..... <i>For 20" Cabinet Depth, Add</i> <i>For 800 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,200 Amperes, Tin Plated Copper Bus, Add</i> <i>For 1,600 Amperes, Tin Plated Copper Bus, Add</i> <i>For 2,000 Amperes, Tin Plated Copper Bus, Add</i> <i>For NEMA 1 With Gasket, Add</i> <i>For NEMA 12, Add</i> <i>For 600 Amperes, Tin Plated Copper Vertical, Add</i> <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,621.39 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 583.88	975.73
<b>26 24 19 00-0681 Class II, Type C <small>(26 24 19 00-0656)</small></b>					

**26 Electrical**

**26 20 Low-Voltage Electrical Distribution**

**26 24 Switchboards and Panelboards**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0682	EA Size 1, Class II, Type C Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,242.77 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 202.82	339.11
26 24 19 00-0683	EA Size 2, Class II, Type C Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	1,604.94 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 255.21	425.44
26 24 19 00-0684	EA Size 3, Class II, Type C Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	2,297.90 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 332.21	553.38
26 24 19 00-0685	EA Size 4, Class II, Type C Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	3,562.74 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 458.77	763.02
26 24 19 00-0686	EA Size 5, Class II, Type C Fused Disconnect Combination Starter ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	5,704.65 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00 566.71	944.90
26 24 19 00-0687	Space Complete With Bus And Hardware <small>(26 24 19 00-0484)</small>		
26 24 19 00-0688	Circuit Breaker Type <small>(26 24 19 00-0687)</small>		
26 24 19 00-0689	EA Circuit Breaker Type, Size 1 Space Complete With Bus And Hardware ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add	310.41 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	104.82
26 24 19 00-0690	EA Circuit Breaker Type, Size 2 Space Complete With Bus And Hardware ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add	310.41 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	104.82
26 24 19 00-0691	EA Circuit Breaker Type, Size 3 Space Complete With Bus And Hardware ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add	459.08 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	152.61
26 24 19 00-0692	EA Circuit Breaker Type, Size 4 Space Complete With Bus And Hardware ..... For 20" Cabinet Depth, Add For 800 Amperes, Tin Plated Copper Bus, Add For 1,200 Amperes, Tin Plated Copper Bus, Add For 1,600 Amperes, Tin Plated Copper Bus, Add For 2,000 Amperes, Tin Plated Copper Bus, Add For NEMA 1 With Gasket, Add For NEMA 12, Add For 600 Amperes, Tin Plated Copper Vertical, Add	561.44 108.00 182.00 334.00 402.00 506.00 97.00 245.00 210.00	200.39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0693 EA Circuit Breaker Type, Size 5 Space Complete With Bus And Hardware.....	915.07	305.21
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
<b>26 24 19 00-0694 Fused Disconnect Type (26 24 19 00-0687)</b>		
26 24 19 00-0695 EA Fused Disconnect Type, Size 1 Space Complete With Bus And Hardware.....	310.41	104.82
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0696 EA Fused Disconnect Type, Size 2 Space Complete With Bus And Hardware.....	423.44	152.61
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0697 EA Fused Disconnect Type, Size 3 Space Complete With Bus And Hardware.....	578.88	200.39
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0698 EA Fused Disconnect Type, Size 4 Space Complete With Bus And Hardware.....	963.73	305.21
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0699 EA Fused Disconnect Type, Size 5 Space Complete With Bus And Hardware.....	1,359.14	443.94
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
<b>26 24 19 00-0700 Blank Space For Future Expansion (26 24 19 00-0687)</b>		
Note: Factory modified no labor costs.		
26 24 19 00-0701 EA Blank Space For Future Expansion, Size 1 Factory Modified, No Crew Costs.....	101.55	
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0702 EA Blank Space For Future Expansion, Size 2 Factory Modified, No Crew Costs.....	101.55	
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0703 EA Blank Space For Future Expansion, Size 3 Factory Modified, No Crew Costs.....	153.96	
For 20" Cabinet Depth, Add	108.00	
For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
For NEMA 1 With Gasket, Add	97.00	
For NEMA 12, Add	245.00	
For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 24 19 00-0704	EA Blank Space For Future Expansion, Size 4 Factory Modified, No Crew Costs .....	153.96	
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0705	EA Blank Space For Future Expansion, Size 5 Factory Modified, No Crew Costs .....	306.28	
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
<b>26 24 19 00-0706</b>	<b>Structure Combination Of Starters To 72" High (26 24 19 00-0687)</b>		
26 24 19 00-0707	EA Structure Combination Of Starters To 72" High .....	3,273.36	811.27
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
<b>26 24 19 00-0708</b>	<b>Motor Control Center Basic Distribution Section (26 24 19 00-0484)</b>		
26 24 19 00-0709	EA 20" Wide Basic Section With Vertical Wireway .....	6,119.23	2,112.71
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0710	EA 25" To 35" Wide Basic Section (No Vertical Wireway) .....	6,119.23	2,112.71
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0711	EA 25" Wide Basic Section With 9" Wide Vertical Wireway .....	6,565.47	2,112.71
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
26 24 19 00-0712	EA Corner Section .....	6,565.47	2,112.71
	For 20" Cabinet Depth, Add	108.00	
	For 800 Amperes, Tin Plated Copper Bus, Add	182.00	
	For 1,200 Amperes, Tin Plated Copper Bus, Add	334.00	
	For 1,600 Amperes, Tin Plated Copper Bus, Add	402.00	
	For 2,000 Amperes, Tin Plated Copper Bus, Add	506.00	
	For NEMA 1 With Gasket, Add	97.00	
	For NEMA 12, Add	245.00	
	For 600 Amperes, Tin Plated Copper Vertical, Add	210.00	
<b>26 24 19 00-0713</b>	<b>Motor Control Center Starters With HMCP Circuit Breaker (26 24 19 00-0484)</b>		
	Note: Includes door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
<b>26 24 19 00-0714</b>	<b>FVNR Starters With HMCP Circuit Breaker (26 24 19 00-0713)</b>		
26 24 19 00-0715	EA Class 1, Type A, Size 1 FVNR Starters With HMCP Circuit Breaker .....	1,369.87	296.72
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	178.02	
26 24 19 00-0716	EA Class 1, Type A, Size 2 FVNR Starters With HMCP Circuit Breaker .....	1,523.74	329.10
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	197.45	
26 24 19 00-0717	EA Class 1, Type A, Size 3 FVNR Starters With HMCP Circuit Breaker .....	2,530.69	442.39
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	265.46	
26 24 19 00-0718	EA Class 1, Type A, Size 4 FVNR Starters With HMCP Circuit Breaker .....	3,620.07	583.28
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	350.01	
26 24 19 00-0719	EA Class 1, Type A, Size 5 FVNR Starters With HMCP Circuit Breaker .....	7,731.94	728.95
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	437.42	
26 24 19 00-0720	EA Class 1, Type A, Size 6 FVNR Starters With HMCP Circuit Breaker .....	17,238.40	728.95
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	437.42	
26 24 19 00-0721	EA Class 1, Type B, Size 1 FVNR Starters With HMCP Circuit Breaker .....	1,345.85	256.65
	For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add	153.98	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0722 EA Class 1, Type B, Size 2 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,517.51 173.41	289.02
26 24 19 00-0723 EA Class 1, Type B, Size 3 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,537.37 236.76	394.61
26 24 19 00-0724 EA Class 1, Type B, Size 4 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,580.10 320.96	534.88
26 24 19 00-0725 EA Class 1, Type B, Size 5 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,711.98 414.37	690.57
26 24 19 00-0726 EA Class 1, Type B, Size 6 FVNR Starters With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	17,320.73 414.37	690.57
<b>26 24 19 00-0727 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0728 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,103.98 222.75	371.34
26 24 19 00-0729 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,542.54 246.50	410.79
26 24 19 00-0730 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,081.90 331.26	552.15
26 24 19 00-0731 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,831.65 437.91	729.87
26 24 19 00-0732 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,986.75 547.91	913.15
26 24 19 00-0733 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,087.97 192.36	320.62
26 24 19 00-0734 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,546.25 216.90	361.47
26 24 19 00-0735 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,096.62 296.43	494.04
26 24 19 00-0736 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,795.30 401.42	668.98
26 24 19 00-0737 EA Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11,973.77 518.42	863.98
<b>26 24 19 00-0738 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker</b> <small>(26 24 19 00-0713)</small>		
26 24 19 00-0739 EA Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,274.59 222.75	371.34
26 24 19 00-0740 EA Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,135.13 246.50	410.79
26 24 19 00-0741 EA Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,723.17 331.26	552.15
26 24 19 00-0742 EA Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,774.55 437.91	729.87
26 24 19 00-0743 EA Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,108.91 547.91	913.15
26 24 19 00-0744 EA Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,258.58 192.36	320.62
26 24 19 00-0745 EA Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,138.84 216.90	361.47
26 24 19 00-0746 EA Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,737.89 296.43	494.04
26 24 19 00-0747 EA Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	7,738.21 401.42	668.98
26 24 19 00-0748 EA Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With HMCP Circuit Breaker ..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	15,095.93 518.42	863.98
<b>26 24 19 00-0749 Motor Control Center Starters With Fusible Disconnect</b> <small>(26 24 19 00-0484)</small> Note: Includes fuses, door, unit support pan, heater elements, and NEMA 1 with gasket, or NEMA 12 enclosure. Line voltages of 208 V, 240 V, 480 V, and 600 V.		
<b>26 24 19 00-0750 FVNR Starters With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>		
26 24 19 00-0751 EA Class 1, Type A, Size 1 FVNR Starters With Fusible Disconnect.....	1,148.46	289.33
26 24 19 00-0752 EA Class 1, Type A, Size 2 FVNR Starters With Fusible Disconnect.....	1,510.97	393.23
26 24 19 00-0753 EA Class 1, Type A, Size 3 FVNR Starters With Fusible Disconnect.....	2,395.47	512.38
26 24 19 00-0754 EA Class 1, Type A, Size 4 FVNR Starters With Fusible Disconnect.....	3,916.01	721.70
26 24 19 00-0755 EA Class 1, Type A, Size 5 FVNR Starters With Fusible Disconnect.....	7,407.17	917.47
26 24 19 00-0756 EA Class 1, Type A, Size 6 FVNR Starters With Fusible Disconnect.....	17,557.32	917.47
26 24 19 00-0757 EA Class 1, Type B, Size 1 FVNR Starters With Fusible Disconnect.....	1,138.32	256.50
26 24 19 00-0758 EA Class 1, Type B, Size 2 FVNR Starters With Fusible Disconnect.....	1,502.95	352.22
26 24 19 00-0759 EA Class 1, Type B, Size 3 FVNR Starters With Fusible Disconnect.....	2,417.44	472.30
26 24 19 00-0760 EA Class 1, Type B, Size 4 FVNR Starters With Fusible Disconnect.....	3,896.11	683.32
26 24 19 00-0761 EA Class 1, Type B, Size 5 FVNR Starters With Fusible Disconnect.....	7,364.86	867.99
26 24 19 00-0762 EA Class 1, Type B, Size 6 FVNR Starters With Fusible Disconnect.....	17,617.37	867.99
<b>26 24 19 00-0763 Two Speed 2-Winding (TS2W) With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>		
26 24 19 00-0764 EA Class 1, Type A, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,860.63	362.24
26 24 19 00-0765 EA Class 1, Type A, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,581.11	491.57
26 24 19 00-0766 EA Class 1, Type A, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,891.74	640.16
26 24 19 00-0767 EA Class 1, Type A, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	7,779.42	904.68
26 24 19 00-0768 EA Class 1, Type A, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	12,299.37	1,058.67
26 24 19 00-0769 EA Class 1, Type B, Size 1 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	1,862.01	320.62
26 24 19 00-0770 EA Class 1, Type B, Size 2 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	2,580.23	439.93
26 24 19 00-0771 EA Class 1, Type B, Size 3 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	3,924.36	590.99
26 24 19 00-0772 EA Class 1, Type B, Size 4 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	7,760.65	852.57

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 24 Switchboards and Panelboards**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0773	EA		Class 1, Type B, Size 5 Two Speed 2-Winding (TS2W) With Fusible Disconnect.....	12,264.00	998.39
<b>26 24 19 00-0774</b>			<b>Two Speed 1-Winding (TS1W) With Fusible Disconnect</b> <small>(26 24 19 00-0749)</small>		
26 24 19 00-0775	EA		Class 1, Type A, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,117.68	362.24
26 24 19 00-0776	EA		Class 1, Type A, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,182.79	491.57
26 24 19 00-0777	EA		Class 1, Type A, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,550.07	640.16
26 24 19 00-0778	EA		Class 1, Type A, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	8,125.19	904.68
26 24 19 00-0779	EA		Class 1, Type A, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	14,786.86	1,058.67
26 24 19 00-0780	EA		Class 1, Type B, Size 1 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	2,119.82	320.62
26 24 19 00-0781	EA		Class 1, Type B, Size 2 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	3,181.92	439.93
26 24 19 00-0782	EA		Class 1, Type B, Size 3 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	5,582.69	590.99
26 24 19 00-0783	EA		Class 1, Type B, Size 4 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	8,106.42	852.57
26 24 19 00-0784	EA		Class 1, Type B, Size 5 Two Speed 1-Winding (TS1W) With Fusible Disconnect.....	14,751.49	998.39
<b>26 24 19 00-0785</b>			<b>Tin Plated Copper Bus Bar And Ground Bus Bar Splice Kit</b> <small>(26 24 19 00-0484)</small>		
			Note: Per section. Labor is included in basic distribution section.		
26 24 19 00-0786	EA		600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	211.49	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 24 19 00-0787	EA		800 Amperes, Horizontal Tin Plated Copper Bus Kit.....	255.47	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	11.58	
26 24 19 00-0788	EA		1,200 Amperes, Horizontal Tin Plated Copper Bus Kit.....	307.17	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.90	
26 24 19 00-0789	EA		1,600 Amperes, Horizontal Tin Plated Copper Bus Kit.....	393.62	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	13.90	
26 24 19 00-0790	EA		2,000 Amperes, Horizontal Tin Plated Copper Bus Kit.....	650.05	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	16.22	
26 24 19 00-0791	EA		1/4" x 2" Horizontal Tin Plated Copper Ground Bus Kit.....	124.91	
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9.27	
<b>26 24 19 00-0792</b>			<b>Disconnect Switch For Motor Control Centers</b> <small>(26 24 19 00-0484)</small>		
<b>26 24 19 00-0793</b>			<b>3 Pole Circuit Breaker Disconnect For Motor Control Center</b> <small>(26 24 19 00-0792)</small>		
			Note: Includes door, unit support pan, inverse time (Thermal Magnetic) circuit breaker, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0794	EA		150 Amperes Rating, 15 To 100 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	958.81	222.74
26 24 19 00-0795	EA		150 Amperes Rating, 125 To 150 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,575.78	246.63
26 24 19 00-0796	EA		225 Amperes Rating, 70 To 225 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	1,944.74	332.19
26 24 19 00-0797	EA		400 Amperes Rating, 125 To 400 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	3,146.00	437.77
26 24 19 00-0798	EA		600 Amperes Rating, 300 To 600 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,286.10	547.22
26 24 19 00-0799	EA		800 Amperes Rating, 400 To 800 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	5,975.16	547.22
26 24 19 00-0800	EA		1,200 Amperes Rating, 600 To 1,200 Amperes Trip Range, 3 Pole Circuit Breaker Disconnect.....	11,994.28	685.18
<b>26 24 19 00-0801</b>			<b>Fusible Disconnect Switch For Motor Control Center</b> <small>(26 24 19 00-0792)</small>		
			Note: Includes door, unit support pan, fuses and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Class 1 type A (no starters).		
26 24 19 00-0802	EA		30 Amperes Switch Rating, Fusible Disconnect Switch With 30 Amperes Fuse Clips.....	808.48	216.57
26 24 19 00-0803	EA		60 Amperes Switch Rating, Fusible Disconnect Switch With 60 Amperes Fuse Clips.....	988.50	295.19
26 24 19 00-0804	EA		100 Amperes Switch Rating, Fusible Disconnect Switch With 100 Amperes Fuse Clips.....	1,330.84	377.65
26 24 19 00-0805	EA		200 Amperes Switch Rating, Fusible Disconnect Switch With 200 Amperes Fuse Clips.....	2,336.72	541.05
26 24 19 00-0806	EA		400 Amperes Switch Rating, Fusible Disconnect Switch With 400 Amperes Fuse Clips.....	3,909.28	688.10
26 24 19 00-0807	EA		600 Amperes Switch Rating, Fusible Disconnect Switch With 600 Amperes Fuse Clips.....	8,185.90	688.10
26 24 19 00-0808	EA		800 Amperes Switch Rating, Fusible Disconnect Switch With 800 Amperes Fuse Clips.....	10,128.02	860.12
26 24 19 00-0809	EA		1,200 Amperes Switch Rating, Fusible Disconnect Switch With 1,200 Amperes Fuse Clips.....	14,604.83	860.12
<b>26 24 19 00-0810</b>			<b>Control Circuit Transformer</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0811	EA		Control Circuit Transformer, Size 1 Factory Installed.....	54.17	
26 24 19 00-0812	EA		Control Circuit Transformer, Size 2 Factory Installed.....	54.17	
26 24 19 00-0813	EA		Control Circuit Transformer, Size 3 Factory Installed.....	104.34	
26 24 19 00-0814	EA		Control Circuit Transformer, Size 4 Factory Installed.....	104.34	
26 24 19 00-0815	EA		Control Circuit Transformer, Size 5 Factory Installed.....	144.95	
26 24 19 00-0816	EA		Control Circuit Fuse And Holder Small Dim, Dual Element Time Delay.....	57.19	17.45
<b>26 24 19 00-0817</b>			<b>Cover Mounted Control Devices</b> <small>(26 24 19 00-0484)</small>		
26 24 19 00-0818	EA		Control Device, 2 Unit Push Button Station Cover Mounted.....	118.40	30.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	19.27	
26 24 19 00-0819	EA		Control Device, 2-3 Unit Selector Switch Cover Mounted.....	136.46	30.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	24.08	
26 24 19 00-0820	EA		Control Device, Pilot Light Cover Mounted.....	106.30	30.83
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	
26 24 19 00-0821	EA		Control Device, Hand-Off-Auto Switch Cover Mounted With Pilot Light.....	322.94	104.82
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.17	
26 24 19 00-0822	EA		Auxiliary Contact Add Per Starter.....	313.08	39.92
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.96	
<b>26 24 19 00-0823</b>			<b>Extra Interlocks</b> <small>(26 24 19 00-0484)</small>		
			Note: Per contact.		
26 24 19 00-0824	EA		Extra Interlocks, Class I, Type A Per Contact.....	79.82	20.04
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14.43	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 24 19 00-0825 EA Extra Interlocks, Class I, Type B Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	102.47 14.43	20.04
26 24 19 00-0826 EA Extra Interlocks, Class I, Type C Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.08 12.04	20.04
26 24 19 00-0827 EA Extra Interlocks, Class II, Type B Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	95.52 9.63	20.04
26 24 19 00-0828 EA Extra Interlocks, Class II, Type C Per Contact..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.70 7.27	20.04
<b>26 24 19 00-0829 Special Cabinet Provisions</b> (26 24 19 00-0484)		
26 24 19 00-0830 EA Provisions For Bus Duct Entrance Special Cabinet Provisions .....	678.19	
<b>26 24 19 00-0831 Nameplate Requirements</b> (26 24 19 00-0484)		
26 24 19 00-0832 EA Special Cabinet Nameplate Requirements .....	24.08	
<b>26 24 19 00-0833 Auxiliary Relays</b> (26 24 19 00-0484)		
26 24 19 00-0834 EA Industrial Control Relay, 10 Amperes, Class A600 With 2 Contacts..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	166.40 23.17	38.61
26 24 19 00-0835 EA Timing Relay, Solid State, DPDT 0.1-10 Sec Variable, Off-Delay .....	159.15	34.75
26 24 19 00-0836 EA General Purpose Control Relay, 240 Volt AC, 10 Amperes, With Base .....	105.09 23.17	34.75
<b>26 24 19 00-0837 Motor Control Center Accessories</b> (26 24 19 00-0484)		
<b>26 24 19 00-0838 Lighting Transformer With Circuit Breaker</b> (26 24 19 00-0837)		
Note: For 240 V, 480 V, or 600 V primary. Includes door, unit support pan, and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure for MCC only.		
26 24 19 00-0839 EA 1 Phase, 5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,355.29	490.95
26 24 19 00-0840 EA 1 Phase, 7.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,528.33	510.58
26 24 19 00-0841 EA 1 Phase, 10 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	4,946.87	549.86
26 24 19 00-0842 EA 1 Phase, 15 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	6,129.44	589.14
26 24 19 00-0843 EA 1 Phase, 25 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,098.37	628.42
26 24 19 00-0844 EA 1 Phase, 37.5 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,891.30	706.97
26 24 19 00-0845 EA 1 Phase, 50 KVA, 120/240 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,871.40	785.52
26 24 19 00-0846 EA 3 Phase, 10 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	7,683.39	648.05
26 24 19 00-0847 EA 3 Phase, 15 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	8,350.14	706.97
26 24 19 00-0848 EA 3 Phase, 25 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	9,530.06	785.52
26 24 19 00-0849 EA 3 Phase, 30 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	10,137.23	864.08
26 24 19 00-0850 EA 3 Phase, 37.5 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,143.36	942.62
26 24 19 00-0851 EA 3 Phase, 45 KVA, 120/208 Volt Secondary Lighting Transformer With Circuit Breaker.....	12,572.18	1,021.18
<b>26 24 19 00-0852 Bolt-On Lighting Panel</b> (26 24 19 00-0837)		
Note: Includes door, T-handle, unit support pan, neutral bar (10 KA IC RMS), and NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. For MCC only.		
26 24 19 00-0853 EA 18 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	2,340.04	802.17
26 24 19 00-0854 EA 30 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	3,770.64	1,396.24
26 24 19 00-0855 EA 42 Circuit Bolt-On Lighting Panel, MLO, 1 Phase, 3 Wire, 120/240 Volt.....	5,039.07	1,889.04
26 24 19 00-0856 EA 18 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	2,471.58	867.99
26 24 19 00-0857 EA 30 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	3,711.23	1,366.49
26 24 19 00-0858 EA 42 Circuit Bolt-On Lighting Panel, MLO, 3 Phase, 4 Wire, 120/208 Volt.....	5,275.20	2,007.11
26 24 19 00-0859 EA 18 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	3,594.12	930.42
26 24 19 00-0860 EA 30 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	4,999.35	1,493.66
26 24 19 00-0861 EA 42 Circuit Bolt-On Lighting Panel, MCB, 1 Phase, 3 Wire, 120/240 Volt .....	6,364.83	2,007.11
26 24 19 00-0862 EA 18 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	3,740.46	1,003.49
26 24 19 00-0863 EA 30 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	4,999.35	1,493.66
26 24 19 00-0864 EA 42 Circuit Bolt-On Lighting Panel, MCB, 3 Phase, 4 Wire, 120/208 Volt .....	6,494.31	2,071.86
<b>26 24 19 00-0865 Factory Installed Bolt-On Branch Circuit Breaker</b> (26 24 19 00-0837)		
Note: For MCC lighting panel only.		
26 24 19 00-0866 EA 15 To 30 Amperes, 1 Pole, Bolt-On Branch Circuit Breaker .....	20.59	
26 24 19 00-0867 EA 15 To 30 Amperes, 1 Pole (GFI) Bolt-On Branch Circuit Breaker .....	209.01	
26 24 19 00-0868 EA 15 To 50 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....	40.24	
26 24 19 00-0869 EA 60 To 100 Amperes, 2 Pole, Bolt-On Branch Circuit Breaker .....	92.65	
26 24 19 00-0870 EA 15 To 50 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....	108.56	
26 24 19 00-0871 EA 60 To 100 Amperes, 3 Pole, Bolt-On Branch Circuit Breaker .....	164.71	
<b>26 24 19 00-0872 Blank Unit Door (BUD)</b> (26 24 19 00-0837)		
Note: With NEMA 1, NEMA 1 with gasket, or NEMA 12 enclosure. Factory installed.		
26 24 19 00-0873 EA 6" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	55.74	
26 24 19 00-0874 EA 12" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	66.88	
26 24 19 00-0875 EA 18" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	100.32	
26 24 19 00-0876 EA 24" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	133.77	
26 24 19 00-0877 EA 30" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	200.65	
26 24 19 00-0878 EA 48" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	234.09	
26 24 19 00-0879 EA 72" High Blank Unit Door (BUD) With NEMA 1, NEMA 1 With Gasket, Or NEMA 12 Enclosure .....	267.53	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 25 Enclosed Bus Assemblies**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**26 25 Enclosed Bus Assemblies** (26 20)**26 25 13 Low-Voltage Busways** (26 25)**26 25 13 00-0001 Plug-In Bus Duct** (26 25 13)

Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.

**26 25 13 00-0002 600 Volt, 3-Phase, 3-Wire, Copper Conductors** (26 25 13 00-0001)

26 25 13 00-0003	LF 225 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	302.23	46.24
	For Up To 25, Add	75.56	
	For >25 To 50, Add	45.33	
	For >50 To 100, Add	22.67	
26 25 13 00-0004	LF 400 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	420.10	46.24
	For Up To 25, Add	105.03	
	For >25 To 50, Add	63.02	
	For >50 To 100, Add	31.51	
26 25 13 00-0005	LF 600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	529.05	61.66
	For Up To 25, Add	132.26	
	For >25 To 50, Add	79.36	
	For >50 To 100, Add	39.68	
26 25 13 00-0006	LF 800 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	720.55	61.66
	For Up To 25, Add	180.14	
	For >25 To 50, Add	108.08	
	For >50 To 100, Add	54.04	
26 25 13 00-0007	LF 1,000 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	760.78	77.07
	For Up To 25, Add	190.20	
	For >25 To 50, Add	114.12	
	For >50 To 100, Add	57.06	
26 25 13 00-0008	LF 1,350 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,047.87	77.07
	For Up To 25, Add	261.97	
	For >25 To 50, Add	157.18	
	For >50 To 100, Add	78.59	
26 25 13 00-0009	LF 1,600 Amperes, Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,220.35	80.93
	For Up To 25, Add	305.09	
	For >25 To 50, Add	183.05	
	For >50 To 100, Add	91.53	
26 25 13 00-0010	LF 2,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,476.81	83.24
	For Up To 25, Add	369.20	
	For >25 To 50, Add	221.52	
	For >50 To 100, Add	110.76	
26 25 13 00-0011	LF 2,500 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	1,813.82	87.86
	For Up To 25, Add	453.46	
	For >25 To 50, Add	272.07	
	For >50 To 100, Add	136.04	
26 25 13 00-0012	LF 3,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,094.96	102.51
	For Up To 25, Add	523.74	
	For >25 To 50, Add	314.24	
	For >50 To 100, Add	157.12	
26 25 13 00-0013	LF 4,000 Amperes Bus Duct 600 Volt, 3 Phase, 3 Wire Copper Conductors.....	2,420.35	111.75
	For Up To 25, Add	605.09	
	For >25 To 50, Add	363.05	
	For >50 To 100, Add	181.53	
<b>26 25 13 00-0014 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b>	<small>(26 25 13 00-0001)</small>		
26 25 13 00-0015	LF 225 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	475.79	46.24
	For Up To 25, Add	118.95	
	For >25 To 50, Add	71.37	
	For >50 To 100, Add	35.68	
26 25 13 00-0016	LF 400 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	679.20	46.24
	For Up To 25, Add	169.80	
	For >25 To 50, Add	101.88	
	For >50 To 100, Add	50.94	
26 25 13 00-0017	LF 600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	767.93	61.66
	For Up To 25, Add	191.98	
	For >25 To 50, Add	115.19	
	For >50 To 100, Add	57.59	
26 25 13 00-0018	LF 800 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	970.97	61.66
	For Up To 25, Add	242.74	
	For >25 To 50, Add	145.65	
	For >50 To 100, Add	72.82	
26 25 13 00-0019	LF 1,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,180.01	77.07
	For Up To 25, Add	295.00	
	For >25 To 50, Add	177.00	
	For >50 To 100, Add	88.50	
26 25 13 00-0020	LF 1,350 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,519.51	77.07
	For Up To 25, Add	379.88	
	For >25 To 50, Add	227.93	
	For >50 To 100, Add	113.96	
26 25 13 00-0021	LF 1,600 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	1,957.80	79.85
	For Up To 25, Add	489.45	
	For >25 To 50, Add	293.67	
	For >50 To 100, Add	146.84	
26 25 13 00-0022	LF 2,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors.....	2,350.33	83.24
	For Up To 25, Add	587.58	
	For >25 To 50, Add	352.55	
	For >50 To 100, Add	176.27	



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0023 LF 2,500 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	2,905.82	87.09
<i>For Up To 25, Add</i>	726.46	
<i>For &gt;25 To 50, Add</i>	435.87	
<i>For &gt;50 To 100, Add</i>	217.94	
26 25 13 00-0024 LF 3,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	3,354.99	102.51
<i>For Up To 25, Add</i>	838.75	
<i>For &gt;25 To 50, Add</i>	503.25	
<i>For &gt;50 To 100, Add</i>	251.62	
26 25 13 00-0025 LF 4,000 Amperes Bus Duct 277/480 Volt, 3 Phase, 4 Wire Copper Conductors .....	3,884.91	111.75
<i>For Up To 25, Add</i>	971.23	
<i>For &gt;25 To 50, Add</i>	582.74	
<i>For &gt;50 To 100, Add</i>	291.37	
<b>26 25 13 00-0026 Cable Tap Boxes</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0027 600 Volt, 3-Phase, 3-Wire, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25 13 00-0028 EA 225 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,382.84	215.80
26 25 13 00-0029 EA 400 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,479.70	215.80
26 25 13 00-0030 EA 600 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,691.25	292.87
26 25 13 00-0031 EA 800 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	2,875.67	292.87
26 25 13 00-0032 EA 1,000 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	3,092.49	385.36
26 25 13 00-0033 EA 1,350 Amperes Cable Tap Box, 600 Volt, 3 Phase, 3 Wire .....	3,391.28	385.36
<b>26 25 13 00-0034 277/480 Volt, 3-Phase, 4-Wire, 100% Neutral, Copper Conductors</b> <small>(26 25 13 00-0026)</small>		
26 25 13 00-0035 EA 225 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,479.70	423.90
26 25 13 00-0036 EA 400 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,708.94	423.90
26 25 13 00-0037 EA 600 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	2,909.47	578.05
26 25 13 00-0038 EA 800 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,271.74	578.05
26 25 13 00-0039 EA 1,000 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,456.38	770.72
26 25 13 00-0040 EA 1,350 Amperes Cable Tap Box 277/480 Volt, 3 Phase, 4 Wire .....	3,926.50	770.72
<b>26 25 13 00-0041 Bus Duct Plug-In Circuit Breaker</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0042 240 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0043 EA 60 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker .....	1,099.99	154.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.32	
26 25 13 00-0044 EA 100 Amperes, 240 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker .....	2,136.08	154.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.25	
<b>26 25 13 00-0045 600 Volt, 3-Phase</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0046 EA 60 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-In Circuit Breaker .....	2,056.34	154.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	84.32	
26 25 13 00-0047 EA 100 Amperes, 600 Volt, 3 Phase, Bus Duct Plug-in Circuit Breaker .....	2,662.59	154.14
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	108.25	
<b>26 25 13 00-0048 120/208 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0049 EA 60 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker .....	1,266.04	184.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.34	
26 25 13 00-0050 EA 100 Amperes, 120/208 Volt, 3 Phase, 4 Wire, Bus Duct Plug-in Circuit Breaker .....	1,517.14	184.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.43	
<b>26 25 13 00-0051 277/480 Volt, 3-Phase, 4-Wire</b> <small>(26 25 13 00-0041)</small>		
26 25 13 00-0052 EA 60 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	1,436.87	184.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	96.34	
26 25 13 00-0053 EA 100 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	2,186.08	184.97
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	120.43	
26 25 13 00-0054 EA 225 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	3,282.60	639.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	277.24	
26 25 13 00-0055 EA 400 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	7,782.31	639.70
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	602.13	
26 25 13 00-0056 EA 600 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	8,839.83	1,849.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	837.74	
26 25 13 00-0057 EA 800 Amperes, 277/480 Volt, 3 Phase, 4 Wire, Bus Duct Plug-In Circuit Breaker .....	11,441.43	1,849.73
<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,482.16	
<b>26 25 13 00-0058 Bus Duct Plug-In Fusible Switch</b> <small>(26 25 13 00-0001)</small>		
<b>26 25 13 00-0059 240 Volt, 3-Pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0060 EA 30 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,097.64	154.14
26 25 13 00-0061 EA 60 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,212.64	154.14
26 25 13 00-0062 EA 100 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,665.63	184.97
26 25 13 00-0063 EA 200 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,819.26	369.94
26 25 13 00-0064 EA 400 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	7,059.73	832.38
26 25 13 00-0065 EA 600 Amperes, 240 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	10,669.75	1,448.96
<b>26 25 13 00-0066 600 Volt, 3-Pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0067 EA 30 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,132.40	169.56
26 25 13 00-0068 EA 60 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,244.92	169.56



**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 25 Enclosed Bus Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 13 00-0069	EA		100 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,672.57	169.56
26 25 13 00-0070	EA		200 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	2,876.71	354.53
26 25 13 00-0071	EA		400 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	7,018.57	801.55
26 25 13 00-0072	EA		600 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	10,961.69	1,541.45
26 25 13 00-0073	EA		800 Amperes, 600 Volt, 3 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	17,736.86	2,003.88
<b>26 25 13 00-0074</b>			<b>120/208 Volt, 4-pole, 3 Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0075	EA		30 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,267.37	200.39
26 25 13 00-0076	EA		60 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,371.15	200.39
26 25 13 00-0077	EA		100 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,852.64	200.39
26 25 13 00-0078	EA		200 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	3,137.64	416.20
26 25 13 00-0079	EA		400 Amperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	7,767.72	924.87
26 25 13 00-0080	EA		600 AAmperes, 120/208 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch.....	11,331.64	1,418.13
<b>26 25 13 00-0081</b>			<b>277/480 Volt, 4-pole, 3-Fuse</b> <small>(26 25 13 00-0058)</small>		
26 25 13 00-0082	EA		30 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,306.66	200.39
26 25 13 00-0083	EA		60 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,410.43	170.02
26 25 13 00-0084	EA		100 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	1,970.17	231.21
26 25 13 00-0085	EA		200 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	3,263.96	416.20
26 25 13 00-0086	EA		400 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	7,767.72	924.87
26 25 13 00-0087	EA		600 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	11,331.64	1,418.13
26 25 13 00-0088	EA		800 Amperes, 277/480 Volt, 4 Phase, 3 Fuses, Bus Duct Plug-in Fusible Switch .....	17,757.86	1,880.56
<b>26 25 16</b>			<b>Low-Voltage Cablebus Systems</b> <small>(26 25)</small>		
<b>26 25 16 00-0001</b>			<b>Feeder Bus Duct</b> <small>(26 25 16)</small>		
			Note: Based on an average of 100' horizontal run with a 15' maximum mounting height. Each 100' of bus duct includes 2 elbows, 1 end cap, and switchboard stub. Excludes hangers with anchors and hardware support.		
<b>26 25 16 00-0002</b>			<b>600 Volt, 3 Phase, 3 Wire, Ventilated Low Impedance</b> <small>(26 25 16 00-0001)</small>		
			Note: Copper conductors.		
26 25 16 00-0003	LF		800 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	851.32	64.74
			For Up To 25, Add	212.83	
			For >25 To 50, Add	127.70	
			For >50 To 100, Add	63.85	
26 25 16 00-0004	LF		1,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	864.79	64.74
			For Up To 25, Add	216.20	
			For >25 To 50, Add	129.72	
			For >50 To 100, Add	64.86	
26 25 16 00-0005	LF		1,350 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,125.58	64.74
			For Up To 25, Add	281.40	
			For >25 To 50, Add	168.84	
			For >50 To 100, Add	84.42	
26 25 16 00-0006	LF		1,600 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,347.88	64.74
			For Up To 25, Add	336.97	
			For >25 To 50, Add	202.18	
			For >50 To 100, Add	101.09	
26 25 16 00-0007	LF		2,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	1,644.89	64.74
			For Up To 25, Add	411.22	
			For >25 To 50, Add	246.73	
			For >50 To 100, Add	123.37	
26 25 16 00-0008	LF		3,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	2,246.06	154.14
			For Up To 25, Add	561.52	
			For >25 To 50, Add	336.91	
			For >50 To 100, Add	168.45	
26 25 16 00-0009	LF		4,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	3,096.61	154.14
			For Up To 25, Add	774.15	
			For >25 To 50, Add	464.49	
			For >50 To 100, Add	232.25	
26 25 16 00-0010	LF		5,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	3,663.94	154.14
			For Up To 25, Add	915.99	
			For >25 To 50, Add	549.59	
			For >50 To 100, Add	274.80	
26 25 16 00-0011	LF		6,000 Amperes, 600 Volt, 3 Phase, 3 Wire Copper Conductors, Bus Duct With Supports .....	4,507.16	154.14
			For Up To 25, Add	1,126.79	
			For >25 To 50, Add	676.07	
			For >50 To 100, Add	338.04	
<b>26 25 16 00-0012</b>			<b>277/480 Volt, 3 Phase, 4 Wire, Half Neutral, Ventilated</b> <small>(26 25 16 00-0001)</small>		
			Note: Low impedance, copper conductors.		
26 25 16 00-0013	LF		800 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	972.27	69.36
			For Up To 25, Add	243.07	
			For >25 To 50, Add	145.84	
			For >50 To 100, Add	72.92	
26 25 16 00-0014	LF		1,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	990.44	69.36
			For Up To 25, Add	247.61	
			For >25 To 50, Add	148.57	
			For >50 To 100, Add	74.28	
26 25 16 00-0015	LF		1,350 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports .....	1,269.06	69.36
			For Up To 25, Add	317.27	
			For >25 To 50, Add	190.36	
			For >50 To 100, Add	95.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 25 16 00-0016	LF		1,600 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	1,504.02 376.01 225.60 112.80	69.36
26 25 16 00-0017	LF		2,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	1,814.86 453.72 272.23 136.11	69.36
26 25 16 00-0018	LF		3,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	2,781.96 695.49 417.29 208.65	118.69
26 25 16 00-0019	LF		4,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	3,488.12 872.03 523.22 261.61	118.69
26 25 16 00-0020	LF		5,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	4,128.46 1,032.12 619.27 309.63	220.42
26 25 16 00-0021	LF		6,000 Amperes, 277/480 Volt, 3 Phase, 4 Wire Copper Conductors, Bus Duct With Supports ..... For Up To 25, Add For >25 To 50, Add For >50 To 100, Add	5,083.64 1,270.91 762.55 381.27	220.42

**26 27 Low-Voltage Distribution Equipment (26 20)**

**26 27 13 Electricity Metering (26 27)**

**26 27 13 00-0001 Revenue Metering (26 27 13)**

**26 27 13 00-0002 Meter Socket Base (26 27 13 00-0001)**

Note: NEMA 3R. See CSI section 26 27 13 00-0013 for meter.

26 27 13 00-0003	EA		100 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass ..... 311.50	100.19
26 27 13 00-0004	EA		100 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass ..... 328.03	100.19
26 27 13 00-0005	EA		150 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass ..... 369.94	111.75
26 27 13 00-0006	EA		150 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass ..... 380.55	111.75
26 27 13 00-0007	EA		200 Amperes, 1 Phase, 3 Wire, 4 Terminal Meter Socket With Bypass ..... 428.38	123.31
26 27 13 00-0008	EA		200 Amperes, 1 Phase, 3 Wire, 5 Terminal Meter Socket With Bypass ..... 433.08	123.31
26 27 13 00-0009	EA		200 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release ..... 1,103.30	195.76
26 27 13 00-0010	EA		320 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release ..... 1,388.68	218.88
26 27 13 00-0011	EA		400 Amperes, 3 Phase, 4 Wire, 7 Terminal Meter Socket With Bypass And Jaw Release ..... 2,867.76	242.01
26 27 13 00-0012	EA		Combination Motor And Current Transformer Cabinet, 15 To 30 Amperes, 13 Terminal, Underground, With Test Switch And Transformer, Socket Base ..... 3,102.44	770.72

**26 27 13 00-0013 Meter Device (26 27 13 00-0001)**

Note: Direct read, with 15 minute demand. See CSI section 26 27 13 00-0002 for socket base.

26 27 13 00-0014	EA		100 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter ..... 285.61	30.83
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 18.96	
26 27 13 00-0015	EA		150 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter ..... 335.32	31.98
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 19.19	
26 27 13 00-0016	EA		200 Amperes, 120 Volt, Or 240 Volt, 1 Phase, KWH Meter ..... 407.26	32.37
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 19.42	
26 27 13 00-0017	EA		200 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter ..... 780.88	32.74
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 19.69	
26 27 13 00-0018	EA		320 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter ..... 1,088.71	34.75
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 20.85	
26 27 13 00-0019	EA		400 Amperes, 120 Volt, Or 240 Volt, 3 Phase, KWH Meter ..... 1,758.04	38.61
			For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add 23.17	

**26 27 13 00-0020 Current Transformer Enclosure (26 27 13 00-0001)**

26 27 13 00-0021	EA		18" x 24" x 9", NEMA 3R, Screwed Cover, Current Transformer Enclosure ..... 656.39	200.39
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**26 27 13 00-0022 120/240 Volt Meter Center And Main Breaker, Indoor Housing (26 27 13 00-0001)**

**26 27 13 00-0023 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max., 2 Pole (26 27 13 00-0022)**

26 27 13 00-0024	EA		3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max ..... 1,101.59	96.34
26 27 13 00-0025	EA		4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max ..... 1,444.87	115.61
26 27 13 00-0026	EA		5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max ..... 1,786.37	134.87
26 27 13 00-0027	EA		6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max ..... 2,069.08	154.14
26 27 13 00-0028	EA		7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max ..... 2,681.47	173.41
26 27 13 00-0029	EA		8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max ..... 2,898.23	192.68
26 27 13 00-0030	EA		10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 125 Amperes Max ..... 3,385.23	231.21

**26 27 13 00-0031 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max., 2 Pole (26 27 13 00-0022)**

26 27 13 00-0032	EA		3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max ..... 1,992.69	96.34
26 27 13 00-0033	EA		4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max ..... 2,619.34	115.61
26 27 13 00-0034	EA		6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max ..... 3,605.34	154.14
26 27 13 00-0035	EA		7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max ..... 4,000.29	173.41
26 27 13 00-0036	EA		8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 200 Amperes Max ..... 5,019.02	192.68

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 13 00-0037			<b>800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0022)</small>		
26 27 13 00-0038	EA		3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,681.23	134.87
26 27 13 00-0039	EA		4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,197.40	154.14
26 27 13 00-0040	EA		5 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,681.47	173.41
26 27 13 00-0041	EA		6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,147.74	192.68
26 27 13 00-0042	EA		7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,952.61	211.95
26 27 13 00-0043	EA		8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,151.57	231.21
26 27 13 00-0044	EA		10 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,137.52	269.75
26 27 13 00-0045			<b>1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0022)</small>		
26 27 13 00-0046	EA		3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,568.75	134.87
26 27 13 00-0047	EA		4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,355.82	154.14
26 27 13 00-0048	EA		6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,716.05	192.68
26 27 13 00-0049	EA		7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,057.56	211.95
26 27 13 00-0050	EA		8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	6,450.52	231.21
26 27 13 00-0051			<b>120/208 Volt Meter Center And Main Breaker, Indoor Housing</b> <small>(26 27 13 00-0001)</small>		
26 27 13 00-0052			<b>800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max., 2 Pole</b> <small>(26 27 13 00-0051)</small>		
26 27 13 00-0053	EA		3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,204.28	115.61
26 27 13 00-0054	EA		4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,567.17	134.87
26 27 13 00-0055	EA		5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	1,928.29	154.14
26 27 13 00-0056	EA		6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,235.93	173.41
26 27 13 00-0057	EA		7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,737.84	192.68
26 27 13 00-0058	EA		8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	2,954.59	211.95
26 27 13 00-0059	EA		10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 125 Amperes Max .....	3,637.62	250.48
26 27 13 00-0060			<b>1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0051)</small>		
26 27 13 00-0061	EA		3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,102.51	115.61
26 27 13 00-0062	EA		4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,764.81	134.87
26 27 13 00-0063	EA		6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,982.46	173.41
26 27 13 00-0064	EA		7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,377.44	192.68
26 27 13 00-0065	EA		8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	5,289.30	211.95
26 27 13 00-0066			<b>800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0051)</small>		
26 27 13 00-0067	EA		3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,783.95	154.14
26 27 13 00-0068	EA		4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,307.26	173.41
26 27 13 00-0069	EA		5 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,844.81	192.68
26 27 13 00-0070	EA		6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,311.08	211.95
26 27 13 00-0071	EA		7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,151.62	231.21
26 27 13 00-0072	EA		8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,350.50	250.48
26 27 13 00-0073	EA		10 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,407.80	289.02
26 27 13 00-0074			<b>1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0051)</small>		
26 27 13 00-0075	EA		3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,696.43	154.14
26 27 13 00-0076	EA		4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,536.96	173.41
26 27 13 00-0077	EA		6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,057.61	211.95
26 27 13 00-0078	EA		7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,292.16	231.21
26 27 13 00-0079	EA		8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	6,702.97	250.48
26 27 13 00-0080			<b>120/240 Volt Meter Center And Main Breaker, NEMA 3R Housing</b> <small>(26 27 13 00-0001)</small>		
26 27 13 00-0081			<b>800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0080)</small>		
26 27 13 00-0082	EA		3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,101.59	96.34
26 27 13 00-0083	EA		4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,444.87	115.61
26 27 13 00-0084	EA		6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,069.08	154.14
26 27 13 00-0085	EA		7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,681.47	173.41
26 27 13 00-0086	EA		8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,308.13	192.68
26 27 13 00-0087			<b>1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0080)</small>		
26 27 13 00-0088	EA		3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,992.68	96.34
26 27 13 00-0089	EA		4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,619.33	115.61
26 27 13 00-0090	EA		6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,783.54	154.14
26 27 13 00-0091	EA		7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,178.50	173.41
26 27 13 00-0092	EA		8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	5,019.02	192.68

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 27 13 00-0093</b>	<b>800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0080)</small>		
26 27 13 00-0094	EA 3 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,681.23	134.87
26 27 13 00-0095	EA 4 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,197.40	154.14
26 27 13 00-0096	EA 6 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,147.74	192.68
26 27 13 00-0097	EA 7 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,952.61	211.95
26 27 13 00-0098	EA 8 Meters And Main, 120/240 Volt, 800 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,151.57	231.21

<b>26 27 13 00-0099</b>	<b>1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0080)</small>		
26 27 13 00-0100	EA 3 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,568.77	134.87
26 27 13 00-0101	EA 4 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,355.82	154.14
26 27 13 00-0102	EA 6 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,716.05	192.68
26 27 13 00-0103	EA 7 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,057.56	211.95
26 27 13 00-0104	EA 8 Meters And Main, 120/240 Volt, 1,200 Amperes Bus, 4 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	6,450.58	231.21

<b>26 27 13 00-0105</b>	<b>120/208 Volt Meter Center And Main Breaker, NEMA 3R Housing</b> <small>(26 27 13 00-0001)</small>		
<b>26 27 13 00-0106</b>	<b>800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0105)</small>		
26 27 13 00-0107	EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,204.28	115.61
26 27 13 00-0108	EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	1,567.17	134.87
26 27 13 00-0109	EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,235.93	173.41
26 27 13 00-0110	EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,916.05	192.68
26 27 13 00-0111	EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,311.03	211.95

<b>26 27 13 00-0112</b>	<b>1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0105)</small>		
26 27 13 00-0113	EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,102.50	115.61
26 27 13 00-0114	EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	2,764.79	134.87
26 27 13 00-0115	EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	3,804.25	173.41
26 27 13 00-0116	EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	4,199.22	192.68
26 27 13 00-0117	EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 10,000 Amperes Interrupting Capacity .....	5,289.25	211.95

<b>26 27 13 00-0118</b>	<b>800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0105)</small>		
26 27 13 00-0119	EA 3 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	1,783.93	154.14
26 27 13 00-0120	EA 4 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,307.22	173.41
26 27 13 00-0121	EA 6 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,311.03	211.95
26 27 13 00-0122	EA 7 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,151.57	231.21
26 27 13 00-0123	EA 8 Meters And Main, 120/208 Volt, 800 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	4,350.50	250.48

<b>26 27 13 00-0124</b>	<b>1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity, 2 Pole</b> <small>(26 27 13 00-0105)</small>		
26 27 13 00-0125	EA 3 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	2,696.41	154.14
26 27 13 00-0126	EA 4 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	3,536.92	173.41
26 27 13 00-0127	EA 6 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,057.56	211.95
26 27 13 00-0128	EA 7 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	5,292.16	231.21
26 27 13 00-0129	EA 8 Meters And Main, 120/208 Volt, 1,200 Amperes Bus, 5 Jaw Sockets, 42,000 Amperes Interrupting Capacity .....	6,702.97	250.48

<b>26 27 13 00-0130</b>	<b>Watt/Hour Meters</b> <small>(26 27 13)</small>		
26 27 13 00-0131	EA Single Phase M-90 Meter, Socket, NEMA 3R Enclosure.....	1,284.16	92.49
26 27 13 00-0132	EA Three Phase M-90 Meter/Main Breaker Combination With Socket, NEMA 3R Enclosure .....	3,566.18	184.97
26 27 13 00-0133	EA Three Phase M-90 Meter In Line Secondary With Socket, NEMA 3R Enclosure .....	1,922.31	138.73
26 27 13 00-0134	EA Three Phase M-90 Meter, Primary Side Transformer Mount With Socket Totally Enclosed, NEMA 3R Enclosure .....	2,329.33	138.73
26 27 13 00-0135	EA Three Phase M-90 Meter, Primary Side Pole Mount With Socket, NEMA 3R Enclosure.....	1,982.10	138.73
26 27 13 00-0136	EA C.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	1,330.04	127.94
26 27 13 00-0137	EA P.T. For M-90 Meter On Primary Side, NEMA 3R Enclosure .....	2,279.13	231.21

<b>26 27 13 00-0138</b>	<b>Watt/Hour Meter Systems</b> <small>(26 27 13)</small>		
Note: Includes NEMA 3R enclosure with C.T. and NEMA 3R C.T. enclosure. systems with main breakers include an additional NEMA 3R enclosure.			
<b>26 27 13 00-0139</b>	<b>Watt/Hour Meter System Without Main Breaker</b> <small>(26 27 13 00-0138)</small>		
26 27 13 00-0140	EA 400 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	5,981.68	925.02
26 27 13 00-0141	EA 600 To 800 Amperes System; 200 Amperes M-90 Meter And Enclosure.....	6,942.24	925.02

<b>26 27 13 00-0142</b>	<b>Watt/Hour Meter System With Main Breaker</b> <small>(26 27 13 00-0138)</small>		
26 27 13 00-0143	EA 400 Amperes System; 400 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	10,199.01	925.02
26 27 13 00-0144	EA 600 Amperes System; 600 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	12,293.56	925.02
26 27 13 00-0145	EA 800 Amperes System; 800 Amperes Main Breaker, 200 Amperes M-90 Meter And Enclosure .....	13,181.84	925.02

**26 27 16 Electrical Cabinets and Enclosures** (26 27)



**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR  
CSI UOM DESCRIPTION

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0001			NEMA 1 Enclosures, Lockable (26 27 16)		
26 27 16 00-0002			Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0003			4" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0004	EA		6" x 4" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	94.51	30.83
26 27 16 00-0005	EA		6" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	105.74	33.91
26 27 16 00-0006	EA		8" x 6" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	117.08	37.00
26 27 16 00-0007	EA		8" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	136.67	43.16
26 27 16 00-0008	EA		10" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	148.58	46.24
26 27 16 00-0009	EA		10" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	161.26	49.33
26 27 16 00-0010	EA		12" x 8" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	160.86	49.33
26 27 16 00-0011	EA		12" x 10" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	173.83	52.41
26 27 16 00-0012	EA		12" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	187.40	55.49
26 27 16 00-0013	EA		16" x 12" x 4", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	243.79	73.99
26 27 16 00-0014	EA		16" x 16" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	295.60	89.40
26 27 16 00-0015	EA		18" x 12" x 4" Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	281.33	86.33
26 27 16 00-0016			6" Depth, Hinged Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0017	EA		6" x 6" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	117.86	37.00
26 27 16 00-0018	EA		8" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	142.43	43.16
26 27 16 00-0019	EA		10" x 8" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	170.36	52.41
26 27 16 00-0020	EA		10" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	183.63	55.49
26 27 16 00-0021	EA		12" x 10" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	197.15	58.57
26 27 16 00-0022	EA		12" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	211.22	61.66
26 27 16 00-0023	EA		16" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	268.92	80.16
26 27 16 00-0024	EA		16" x 16" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	326.59	98.66
26 27 16 00-0025	EA		18" x 12" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	315.10	95.57
26 27 16 00-0026	EA		18" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	409.94	123.31
26 27 16 00-0027	EA		24" x 18" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	520.00	141.81
26 27 16 00-0028	EA		24" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	591.25	154.14
26 27 16 00-0029	EA		30" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	655.14	163.40
26 27 16 00-0030	EA		36" x 24" x 6", Hinged Cover, Galvanized Steel NEMA 1 Enclosure .....	711.33	169.56
26 27 16 00-0031	EA		24-1/2" x 12-1/2" x 6-1/2", Hinged Cover, Galvanized Steel NEMA 1 Enclosure (Control Products MH3803L) .....	486.65	123.31
26 27 16 00-0032			Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0001)		
26 27 16 00-0033			3" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0034	EA		4" x 4" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	64.96	21.58
26 27 16 00-0035	EA		6" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	92.83	30.83
26 27 16 00-0036	EA		8" x 6" x 3" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	103.33	33.91
26 27 16 00-0037			4" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0038	EA		4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	72.86	24.66
26 27 16 00-0039	EA		6" x 4" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	90.44	30.83
26 27 16 00-0040	EA		6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	100.79	33.91
26 27 16 00-0041	EA		8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.30	37.00
26 27 16 00-0042	EA		8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	129.86	43.16
26 27 16 00-0043	EA		10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	140.79	46.24
26 27 16 00-0044	EA		10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	152.21	49.33
26 27 16 00-0045	EA		12" x 8" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	151.83	49.33
26 27 16 00-0046	EA		12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	163.69	52.41
26 27 16 00-0047	EA		12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	175.86	55.49
26 27 16 00-0048	EA		16" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	230.66	73.99
26 27 16 00-0049	EA		16" x 16" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	286.18	92.49
26 27 16 00-0050	EA		18" x 12" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	265.77	86.33
26 27 16 00-0051	EA		18" x 18" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	343.89	110.98
26 27 16 00-0052	EA		24" x 24" x 4" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	486.88	138.73
26 27 16 00-0053			6" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0054	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	111.83	37.00
26 27 16 00-0055	EA		8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	123.03	40.07
26 27 16 00-0056	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	141.83	46.24
26 27 16 00-0057	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	160.97	52.41
26 27 16 00-0058	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	172.98	55.49
26 27 16 00-0059	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	185.11	58.57
26 27 16 00-0060	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	197.66	61.66
26 27 16 00-0061	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	253.63	80.16
26 27 16 00-0062	EA		16" x 16" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	311.70	98.66
26 27 16 00-0063	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	297.05	95.57
26 27 16 00-0064	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	385.81	123.31
26 27 16 00-0065	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	476.39	141.81
26 27 16 00-0066	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	542.24	154.14
26 27 16 00-0067	EA		30" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	584.09	163.40
26 27 16 00-0068	EA		36" x 24" x 6" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	634.80	169.56
26 27 16 00-0069			8" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0002)		
26 27 16 00-0070	EA		8" x 8" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	160.97	52.41
26 27 16 00-0071	EA		12" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	217.97	67.83
26 27 16 00-0072	EA		16" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	277.13	86.33



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27	16	00-0073	EA 16" x 16" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	344.31	107.90
	26 27	16	00-0074	EA 18" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	329.82	104.82
	26 27	16	00-0075	EA 18" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	408.43	129.48
	26 27	16	00-0076	EA 24" x 12" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	457.08	147.98
	26 27	16	00-0077	EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	523.72	157.23
	26 27	16	00-0078	EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	597.75	169.56
	26 27	16	00-0079	EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	635.30	178.81
	26 27	16	00-0080	EA 30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	666.16	184.97
	26 27	16	00-0081	EA 36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	681.61	184.97
	26 27	16	00-0082	<b>10" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
	26 27	16	00-0083	EA 18" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	373.52	117.15
	26 27	16	00-0084	EA 18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	490.19	151.06
	26 27	16	00-0085	EA 24" x 12" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	499.48	160.31
	26 27	16	00-0086	EA 24" x 18" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	632.20	172.64
	26 27	16	00-0087	EA 24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	724.19	191.14
	26 27	16	00-0088	EA 30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	797.07	197.30
	26 27	16	00-0089	EA 36" x 24" x 10" Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	848.52	206.56
	26 27	16	00-0090	<b>12" Depth, Screw Cover, Galvanized Steel NEMA 1 Enclosures (26 27 16 00-0032)</b>		
	26 27	16	00-0091	EA 18" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	541.05	166.47
	26 27	16	00-0092	EA 24" x 12" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	543.31	175.73
	26 27	16	00-0093	EA 24" x 18" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	695.69	191.14
	26 27	16	00-0094	EA 24" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	790.95	209.64
	26 27	16	00-0095	EA 30" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	880.23	218.88
	26 27	16	00-0096	EA 36" x 24" x 12", Screw Cover, Galvanized Steel NEMA 1 Enclosure.....	927.18	228.13
	26 27	16	00-0097	<b>NEMA 1 Enclosures For Up To 6 Boards, Lockable (26 27 16)</b>		
	26 27	16	00-0098	<b>4.5" Depth, Hinged Cover, Powder Coated Steel, NEMA 1 Enclosures (26 27 16 00-0097)</b>		
	26 27	16	00-0099	EA 24" High x 18" Wide x 4.5" Deep, 18 Gauge, Powder Coated Steel, NEMA 1 Enclosure (RS2 Technologies NCL-12).....	1,310.89	135.64
	26 27	16	00-0100	<b>NEMA 12 Enclosures, Lockable (26 27 16)</b>		
				Note: Dust-tight enclosures.		
	26 27	16	00-0101	<b>Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
	26 27	16	00-0102	<b>4" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
	26 27	16	00-0103	EA 4" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	127.60	24.66
	26 27	16	00-0104	EA 6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	166.80	33.91
	26 27	16	00-0105	EA 8" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	206.78	43.16
	26 27	16	00-0106	EA 10" x 8" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	223.70	46.24
	26 27	16	00-0107	EA 12" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	250.20	49.33
	26 27	16	00-0108	EA 12" x 10" x 4" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	269.26	52.41
	26 27	16	00-0109	<b>6" Depth, Hinged Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0101)</b>		
	26 27	16	00-0110	EA 6" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	184.95	37.00
	26 27	16	00-0111	EA 8" x 6" x 6" Hinged Cover, Galvanized Steel NEMA 12 Enclosure.....	203.53	40.07
	26 27	16	00-0112	<b>Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0100)</b>		
	26 27	16	00-0113	<b>4" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
	26 27	16	00-0114	EA 4" x 4" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	243.21	24.66
	26 27	16	00-0115	EA 6" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	293.41	33.91
	26 27	16	00-0116	EA 8" x 6" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	331.28	37.00
	26 27	16	00-0117	EA 8" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	379.33	43.16
	26 27	16	00-0118	EA 10" x 8" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	390.87	46.24
	26 27	16	00-0119	EA 10" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	459.58	49.33
	26 27	16	00-0120	EA 12" x 10" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	493.26	52.41
	26 27	16	00-0121	EA 12" x 12" x 4" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	559.69	55.49
	26 27	16	00-0122	<b>6" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
	26 27	16	00-0123	EA 6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	355.57	37.00
	26 27	16	00-0124	EA 8" x 6" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	401.29	40.07
	26 27	16	00-0125	EA 8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	438.41	46.24
	26 27	16	00-0126	EA 10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	518.83	55.49
	26 27	16	00-0127	EA 12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	563.97	61.66
	26 27	16	00-0128	EA 16" x 14" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	781.08	80.16
	26 27	16	00-0129	EA 18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,210.05	123.31
	26 27	16	00-0130	EA 24" x 16" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,577.42	141.81
	26 27	16	00-0131	EA 24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,776.26	154.14
	26 27	16	00-0132	<b>8" Depth, Screw Cover, Galvanized Steel NEMA 12 Enclosures (26 27 16 00-0112)</b>		
	26 27	16	00-0133	EA 24" x 18" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,648.40	157.23
	26 27	16	00-0134	EA 24" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	1,895.22	169.56
	26 27	16	00-0135	EA 30" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure.....	2,080.36	178.81

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 16 00-0136	EA	30" x 30" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	2,289.01		184.97
26 27 16 00-0137	EA	36" x 24" x 8" Screw Cover, Galvanized Steel NEMA 12 Enclosure .....	2,258.47		184.97
26 27 16 00-0138		<b>Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0100)</small>			
26 27 16 00-0139		<b>8" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>			
26 27 16 00-0140	EA	60" x 48" x 8" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,067.70		250.48
26 27 16 00-0141		<b>10" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>			
26 27 16 00-0142	EA	60" x 48" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,143.72		277.46
26 27 16 00-0143	EA	60" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	8,187.93		296.72
26 27 16 00-0144	EA	72" x 60" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	9,428.31		369.94
26 27 16 00-0145	EA	72" x 72" x 10" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	10,534.94		436.23
26 27 16 00-0146		<b>12" Depth, Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosures</b> <small>(26 27 16 00-0138)</small>			
26 27 16 00-0147	EA	60" x 48" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	7,663.01		436.23
26 27 16 00-0148	EA	60" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	8,535.10		462.44
26 27 16 00-0149	EA	72" x 60" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	9,684.38		493.27
26 27 16 00-0150	EA	72" x 72" x 12" Double Door, Floor Mounted, Galvanized Steel NEMA 12 Enclosure .....	10,671.08		493.27
26 27 16 00-0151		<b>NEMA 3 Enclosures, Lockable</b> <small>(26 27 16)</small> Note: Can be used underground or encased in concrete.			
26 27 16 00-0152		<b>2" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>			
26 27 16 00-0153	EA	4" x 4" x 2" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	363.68		107.90
26 27 16 00-0154		<b>3" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>			
26 27 16 00-0155	EA	4" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	387.08		107.90
26 27 16 00-0156	EA	5" x 5" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	483.38		111.75
26 27 16 00-0157	EA	6" x 4" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	499.30		111.75
26 27 16 00-0158	EA	6" x 6" x 3" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	616.61		115.61
26 27 16 00-0159		<b>4" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>			
26 27 16 00-0160	EA	4" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	479.07		111.75
26 27 16 00-0161	EA	5" x 5" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	520.71		111.75
26 27 16 00-0162	EA	6" x 4" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	542.40		115.61
26 27 16 00-0163	EA	6" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	670.30		115.61
26 27 16 00-0164	EA	8" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	735.23		123.31
26 27 16 00-0165	EA	8" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	790.67		131.02
26 27 16 00-0166	EA	10" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	821.09		131.02
26 27 16 00-0167	EA	10" x 8" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	967.46		134.87
26 27 16 00-0168	EA	12" x 6" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,046.32		138.73
26 27 16 00-0169	EA	12" x 12" x 4" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,417.22		154.14
26 27 16 00-0170		<b>6" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>			
26 27 16 00-0171	EA	6" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	706.81		119.46
26 27 16 00-0172	EA	8" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	884.05		134.87
26 27 16 00-0173	EA	8" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,027.61		138.73
26 27 16 00-0174	EA	10" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,176.91		142.58
26 27 16 00-0175	EA	10" x 10" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,248.66		142.58
26 27 16 00-0176	EA	12" x 8" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,416.83		154.14
26 27 16 00-0177	EA	12" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,636.80		173.41
26 27 16 00-0178	EA	16" x 6" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,543.32		165.70
26 27 16 00-0179	EA	18" x 12" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,994.69		308.29
26 27 16 00-0180	EA	18" x 18" x 6", Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	5,125.48		385.36
26 27 16 00-0181		<b>8" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>			
26 27 16 00-0182	EA	8" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,261.50		146.44
26 27 16 00-0183	EA	12" x 8" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,885.44		192.68
26 27 16 00-0184	EA	12" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	1,914.74		192.68
26 27 16 00-0185	EA	16" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	2,605.85		289.02
26 27 16 00-0186	EA	18" x 12" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	3,401.70		308.29
26 27 16 00-0187	EA	24" x 24" x 8" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	8,529.97		539.51
26 27 16 00-0188		<b>10" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>			
26 27 16 00-0189	EA	18" x 12" x 10" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	4,524.95		385.36
26 27 16 00-0190		<b>12" Depth, Screw Cover, Galvanized Cast Iron NEMA 3 Enclosures</b> <small>(26 27 16 00-0151)</small>			
26 27 16 00-0191	EA	18" x 18" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	6,904.57		462.44

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27 16 00-0192	EA		24" x 12" x 12" Screw Cover, Galvanized Cast Iron NEMA 3 Enclosure .....	5,696.61	423.90
	<b>26 27 16 00-0193</b>			<b>NEMA 3R Enclosures, Lockable (26 27 16)</b>		
				Note: Rain-tight enclosures.		
	<b>26 27 16 00-0194</b>			<b>Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)</b>		
	<b>26 27 16 00-0195</b>			<b>4" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0196	EA		6" x 4" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	121.35	30.83
	26 27 16 00-0197	EA		6" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	133.93	33.91
	26 27 16 00-0198	EA		8" x 6" x 4" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	193.61	37.00
	<b>26 27 16 00-0199</b>			<b>6" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0200	EA		8" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	243.60	46.24
	26 27 16 00-0201	EA		10" x 8" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	272.46	52.41
	26 27 16 00-0202	EA		12" x 10" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	318.68	58.57
	26 27 16 00-0203	EA		12" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	343.92	61.66
	26 27 16 00-0204	EA		16" x 12" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	447.73	80.16
	26 27 16 00-0205	EA		16" x 16" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	536.39	98.66
	26 27 16 00-0206	EA		18" x 18" x 6" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	616.41	123.31
	<b>26 27 16 00-0207</b>			<b>8" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0208	EA		24" x 20" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	925.64	157.23
	26 27 16 00-0209	EA		24" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,024.91	169.56
	26 27 16 00-0210	EA		30" x 24" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,149.52	178.81
	26 27 16 00-0211	EA		30" x 30" x 8" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,207.97	184.97
	<b>26 27 16 00-0212</b>			<b>10" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0213	EA		12" x 48" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,146.44	191.14
	26 27 16 00-0214	EA		12" x 54" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,295.02	215.80
	26 27 16 00-0215	EA		12" x 60" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,433.82	238.92
	26 27 16 00-0216	EA		12" x 66" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,579.31	263.59
	26 27 16 00-0217	EA		12" x 72" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,719.66	286.71
	26 27 16 00-0218	EA		18" x 18" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	755.67	151.06
	26 27 16 00-0219	EA		24" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,146.44	191.14
	26 27 16 00-0220	EA		30" x 24" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,347.29	197.30
	26 27 16 00-0221	EA		36" x 36" x 10" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,693.63	215.80
	<b>26 27 16 00-0222</b>			<b>12" Depth, Hinged Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0194)</b>		
	26 27 16 00-0223	EA		12" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,100.42	152.61
	26 27 16 00-0224	EA		12" x 54" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,234.14	171.10
	26 27 16 00-0225	EA		12" x 60" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,366.33	189.59
	26 27 16 00-0226	EA		12" x 66" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,510.78	209.64
	26 27 16 00-0227	EA		12" x 72" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,644.51	228.13
	26 27 16 00-0228	EA		18" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	822.24	114.07
	26 27 16 00-0229	EA		18" x 32" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,100.42	152.61
	26 27 16 00-0230	EA		18" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,234.14	171.10
	26 27 16 00-0231	EA		18" x 42" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,452.13	200.39
	26 27 16 00-0232	EA		18" x 48" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,644.51	228.13
	26 27 16 00-0233	EA		30" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,565.88	225.05
	26 27 16 00-0234	EA		36" x 24" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,644.51	228.13
	26 27 16 00-0235	EA		36" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,730.18	234.30
	26 27 16 00-0236	EA		36" x 36" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	1,922.25	246.63
	26 27 16 00-0237	EA		42" x 30" x 12" Hinged Cover, Galvanized Steel NEMA 3R Enclosure .....	2,081.86	258.97
	<b>26 27 16 00-0238</b>			<b>Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0193)</b>		
	<b>26 27 16 00-0239</b>			<b>4" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>		
	26 27 16 00-0240	EA		4" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	88.34	24.66
	26 27 16 00-0241	EA		6" x 4" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	107.10	30.83
	26 27 16 00-0242	EA		6" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	118.22	33.91
	26 27 16 00-0243	EA		8" x 6" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	130.90	37.00
	26 27 16 00-0244	EA		8" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	152.06	43.16
	26 27 16 00-0245	EA		10" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	165.49	46.24
	26 27 16 00-0246	EA		10" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	180.00	49.33
	26 27 16 00-0247	EA		12" x 8" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	179.27	49.33
	26 27 16 00-0248	EA		12" x 10" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	195.48	52.41
	26 27 16 00-0249	EA		12" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	210.00	55.49
	26 27 16 00-0250	EA		18" x 12" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	318.03	86.33
	26 27 16 00-0251	EA		18" x 18" x 4", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	422.94	110.98
	<b>26 27 16 00-0252</b>			<b>6" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures (26 27 16 00-0238)</b>		
	26 27 16 00-0253	EA		6" x 6" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	123.61	37.00
	26 27 16 00-0254	EA		8" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	167.46	46.24
	26 27 16 00-0255	EA		10" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	189.70	52.41
	26 27 16 00-0256	EA		10" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	205.23	55.49
	26 27 16 00-0257	EA		12" x 8" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	204.15	55.49
	26 27 16 00-0258	EA		12" x 10" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	220.56	58.57

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 16 00-0259	EA		12" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	237.08	61.66
26 27 16 00-0260	EA		16" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	309.33	80.16
26 27 16 00-0261	EA		18" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	357.07	95.57
26 27 16 00-0262	EA		18" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	475.23	123.31
26 27 16 00-0263	EA		24" x 12" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	497.22	132.57
26 27 16 00-0264	EA		24" x 18" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	565.50	141.81
26 27 16 00-0265	EA		24" x 24" x 6" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	635.37	154.14
<b>26 27 16 00-0266</b>			<b>8" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
26 27 16 00-0267	EA		12" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	265.04	67.83
26 27 16 00-0268	EA		18" x 12" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	385.73	104.82
26 27 16 00-0269	EA		18" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	525.57	135.64
26 27 16 00-0270	EA		24" x 18" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	625.82	157.23
26 27 16 00-0271	EA		24" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	705.69	169.56
26 27 16 00-0272	EA		30" x 24" x 8", Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	781.23	178.81
<b>26 27 16 00-0273</b>			<b>10" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
26 27 16 00-0274	EA		18" x 18" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	580.23	151.06
26 27 16 00-0275	EA		24" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	777.34	191.14
26 27 16 00-0276	EA		30" x 24" x 10" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	849.27	197.30
<b>26 27 16 00-0277</b>			<b>12" Depth, Screw Cover, Galvanized Steel NEMA 3R Enclosures</b> (26 27 16 00-0238)		
26 27 16 00-0278	EA		24" x 24" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	858.31	209.64
26 27 16 00-0279	EA		30" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	1,177.14	228.13
26 27 16 00-0280	EA		36" x 30" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	1,216.15	234.30
26 27 16 00-0281	EA		36" x 36" x 12" Screw Cover, Galvanized Steel NEMA 3R Enclosure .....	1,414.48	246.63
<b>26 27 16 00-0282</b>			<b>NEMA 4 Enclosures, Lockable</b> (26 27 16)		
			Note: Water-tight enclosures.		
<b>26 27 16 00-0283</b>			<b>Hinge Cover, Painted Steel NEMA 4 Enclosures</b> (26 27 16 00-0282)		
26 27 16 00-0284	EA		4" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	122.86	21.58
26 27 16 00-0285	EA		6" x 4" x 3" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	144.21	26.21
26 27 16 00-0286	EA		8" x 6" x 3.5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	180.79	33.91
26 27 16 00-0287	EA		6" x 6" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	172.96	33.91
26 27 16 00-0288	EA		10" x 8" x 4" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	231.69	46.24
26 27 16 00-0289	EA		12" x 10" x 5" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	287.43	55.49
26 27 16 00-0290	EA		10" x 8" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	266.18	52.41
26 27 16 00-0291	EA		12" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	310.63	61.66
26 27 16 00-0292	EA		14" x 12" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	364.57	70.90
26 27 16 00-0293	EA		16" x 14" x 6" Hinge Cover, Painted Steel NEMA 4 Enclosure .....	443.91	89.40
<b>26 27 16 00-0294</b>			<b>Clamp Cover, Painted Steel NEMA 4 Enclosures</b> (26 27 16 00-0282)		
26 27 16 00-0295	EA		4" x 4" x 3" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	113.77	21.58
26 27 16 00-0296	EA		6" x 6" x 4" Clamp Cover, Painted Steel NEMA 4 Enclosure .....	163.88	33.91
<b>26 27 16 00-0297</b>			<b>Screw Cover, Fiberglass NEMA 4 Or 4X Enclosures</b> (26 27 16 00-0282)		
26 27 16 00-0298	EA		6" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	144.28	29.60
26 27 16 00-0299	EA		8" x 6" x 4", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	153.64	32.06
26 27 16 00-0300	EA		10" x 8" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	190.06	41.93
26 27 16 00-0301	EA		12" x 10" x 6", Screw Cover, Fiberglass NEMA 4 Or 4X Enclosure .....	220.99	46.24
26 27 16 00-0302	EA		14" x 12" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	284.63	58.57
26 27 16 00-0303	EA		16" x 14" x 8", Screw Cover, Fiberglass NEMA 4 Enclosure .....	333.05	69.36
26 27 16 00-0304	EA		18" x 16" x 10", Screw Cover, Fiberglass NEMA 4 Enclosure .....	476.82	110.98
<b>26 27 16 00-0305</b>			<b>NEMA 4X Enclosures, Lockable</b> (26 27 16)		
			Note: Water-tight enclosures.		
<b>26 27 16 00-0306</b>			<b>Clamp Cover, Aluminum NEMA 4X Enclosures</b> (26 27 16 00-0305)		
26 27 16 00-0307	EA		6" x 4" x 3" Clamp Cover, Aluminum NEMA 4X Enclosure .....	234.21	24.66
26 27 16 00-0308	EA		6" x 6" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	278.85	33.91
26 27 16 00-0309	EA		10" x 8" x 4" Clamp Cover, Aluminum NEMA 4X Enclosure .....	355.29	46.24
26 27 16 00-0310	EA		12" x 10" x 5" Clamp Cover, Aluminum NEMA 4X Enclosure .....	430.96	55.49
26 27 16 00-0311	EA		14" x 12" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	532.72	70.90
26 27 16 00-0312	EA		16" x 14" x 6" Clamp Cover, Aluminum NEMA 4X Enclosure .....	632.30	89.40
<b>26 27 16 00-0313</b>			<b>Clamp Cover, 304 Stainless Steel NEMA 4X Enclosures</b> (26 27 16 00-0305)		
26 27 16 00-0314	EA		4" x 4" x 3", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	341.66	21.58
			For 316 Stainless Steel, Add	46.03	
26 27 16 00-0315	EA		6" x 4" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	445.22	30.83
			For 316 Stainless Steel, Add	58.90	
26 27 16 00-0316	EA		6" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	504.19	33.91
			For 316 Stainless Steel, Add	67.11	
26 27 16 00-0317	EA		8" x 6" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	576.50	37.00
			For 316 Stainless Steel, Add	77.44	
26 27 16 00-0318	EA		10" x 8" x 4", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure .....	708.28	46.24
			For 316 Stainless Steel, Add	94.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27	16	00-0319	EA 12" x 10" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	994.25 135.65	58.57
26 27	16	00-0320	EA 14" x 12" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	1,238.84 169.85	70.90
26 27	16	00-0321	EA 16" x 14" x 6", Clamp Cover, 304 Stainless Steel NEMA 4X Enclosure ..... <i>For 316 Stainless Steel, Add</i>	1,494.68 203.39	89.40

**26 27 16 00-0322 Screw Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)**  
Note: NEMA 3R, 4, 4X and 12 rated.

26 27	16	00-0323	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	169.17	33.91
26 27	16	00-0324	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	190.20	37.00
26 27	16	00-0325	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	217.84	43.16
26 27	16	00-0326	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	236.65	46.24
26 27	16	00-0327	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	273.15	52.41
26 27	16	00-0328	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	257.60	52.41
26 27	16	00-0329	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	299.61	58.57
26 27	16	00-0330	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	374.91	70.90
26 27	16	00-0331	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	480.39	97.11
26 27	16	00-0332	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	621.96	139.80
26 27	16	00-0333	EA 6" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	181.39	33.91
26 27	16	00-0334	EA 8" x 6" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	204.65	37.00
26 27	16	00-0335	EA 8" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	233.38	43.16
26 27	16	00-0336	EA 10" x 8" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	255.52	46.24
26 27	16	00-0337	EA 12" x 10" x 4" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	293.13	52.41
26 27	16	00-0338	EA 10" x 8" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	276.49	52.41
26 27	16	00-0339	EA 12" x 10" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	325.22	58.57
26 27	16	00-0340	EA 14" x 12" x 6" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	388.23	70.90
26 27	16	00-0341	EA 16" x 14" x 8" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	508.16	97.11
26 27	16	00-0342	EA 18" x 16" x 10" Screw Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	651.93	139.80

**26 27 16 00-0343 Hinged Cover, Polycarbonate NEMA 4X Enclosures (26 27 16 00-0305)**  
Note: NEMA 3R, 4, 4X and 12 rated.

26 27	16	00-0344	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	203.60	33.91
26 27	16	00-0345	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	217.97	37.00
26 27	16	00-0346	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	247.81	43.16
26 27	16	00-0347	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	267.74	46.24
26 27	16	00-0348	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	316.46	52.41
26 27	16	00-0349	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	292.04	52.41
26 27	16	00-0350	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	357.41	58.57
26 27	16	00-0351	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	424.88	70.90
26 27	16	00-0352	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	523.71	97.11
26 27	16	00-0353	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Opaque Cover .....	678.58	139.80
26 27	16	00-0354	EA 6" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	212.48	33.91
26 27	16	00-0355	EA 8" x 6" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	234.62	37.00
26 27	16	00-0356	EA 8" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	263.35	43.16
26 27	16	00-0357	EA 10" x 8" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	284.39	46.24
26 27	16	00-0358	EA 12" x 10" x 4" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	338.67	52.41
26 27	16	00-0359	EA 10" x 8" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	310.90	52.41
26 27	16	00-0360	EA 12" x 10" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	380.74	58.57
26 27	16	00-0361	EA 14" x 12" x 6" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	435.99	70.90
26 27	16	00-0362	EA 16" x 14" x 8" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	560.34	97.11
26 27	16	00-0363	EA 18" x 16" x 10" Hinged Cover, Polycarbonate NEMA 4X Enclosure With Clear Cover .....	717.45	139.80

**26 27 16 00-0364 NEMA 7/9 Enclosures, Lockable (26 27 16)**  
Note: Nominal inside dimensions.

**26 27 16 00-0365 4" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)**

26 27	16	00-0366	EA 6" x 6" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,487.60	173.41
			<i>For Mounting Pan, Add</i>	60.39	
26 27	16	00-0367	EA 6" x 8" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	1,204.54	184.97
			<i>For Mounting Pan, Add</i>	112.52	
26 27	16	00-0368	EA 8" x 10" x 4" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,294.23	208.09
			<i>For Mounting Pan, Add</i>	155.16	

**26 27 16 00-0369 6" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures (26 27 16 00-0364)**

26 27	16	00-0370	EA 8" x 8" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,049.17	208.09
			<i>For Mounting Pan, Add</i>	78.90	
26 27	16	00-0371	EA 8" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,647.63	213.88
			<i>For Mounting Pan, Add</i>	155.16	
26 27	16	00-0372	EA 8" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,713.91	231.21
			<i>For Mounting Pan, Add</i>	118.69	
26 27	16	00-0373	EA 10" x 10" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	2,782.80	231.21
			<i>For Mounting Pan, Add</i>	138.87	
26 27	16	00-0374	EA 10" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,919.59	289.02
			<i>For Mounting Pan, Add</i>	182.18	
26 27	16	00-0375	EA 12" x 12" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,690.25	260.12
			<i>For Mounting Pan, Add</i>	113.75	
26 27	16	00-0376	EA 12" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure .....	3,825.29	289.02
			<i>For Mounting Pan, Add</i>	170.21	



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 27 16 00-0377	EA	12" x 24" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,937.97		520.24
		<i>For Mounting Pan, Add</i>	228.99		
26 27 16 00-0378	EA	14" x 14" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	4,688.67		346.82
		<i>For Mounting Pan, Add</i>	222.96		
26 27 16 00-0379	EA	16" x 16" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,201.62		578.05
		<i>For Mounting Pan, Add</i>	204.69		
26 27 16 00-0380	EA	18" x 18" x 6" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,387.63		578.05
		<i>For Mounting Pan, Add</i>	332.76		
<b>26 27 16 00-0381</b>		<b>8" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>			
26 27 16 00-0382	EA	8" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,163.77		260.12
		<i>For Mounting Pan, Add</i>	118.69		
26 27 16 00-0383	EA	10" x 10" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,185.18		260.12
		<i>For Mounting Pan, Add</i>	138.87		
26 27 16 00-0384	EA	10" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,592.88		260.12
		<i>For Mounting Pan, Add</i>	182.18		
26 27 16 00-0385	EA	12" x 12" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	3,981.51		289.02
		<i>For Mounting Pan, Add</i>	113.75		
26 27 16 00-0386	EA	12" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	5,827.54		520.24
		<i>For Mounting Pan, Add</i>	170.21		
26 27 16 00-0387	EA	12" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,092.47		635.85
		<i>For Mounting Pan, Add</i>	228.99		
26 27 16 00-0388	EA	12" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,041.06		751.46
		<i>For Mounting Pan, Add</i>	344.38		
26 27 16 00-0389	EA	14" x 14" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,411.56		635.85
		<i>For Mounting Pan, Add</i>	222.96		
26 27 16 00-0390	EA	16" x 16" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	6,579.34		635.85
		<i>For Mounting Pan, Add</i>	204.69		
26 27 16 00-0391	EA	16" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	9,702.00		693.65
		<i>For Mounting Pan, Add</i>	306.82		
26 27 16 00-0392	EA	18" x 18" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	8,038.32		635.85
		<i>For Mounting Pan, Add</i>	332.76		
26 27 16 00-0393	EA	18" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,675.77		693.65
		<i>For Mounting Pan, Add</i>	486.60		
26 27 16 00-0394	EA	18" x 30" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,604.54		693.65
		<i>For Mounting Pan, Add</i>	648.70		
26 27 16 00-0395	EA	18" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	16,403.78		924.87
		<i>For Mounting Pan, Add</i>	810.75		
26 27 16 00-0396	EA	24" x 24" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,503.51		751.46
		<i>For Mounting Pan, Add</i>	753.86		
26 27 16 00-0397	EA	24" x 36" x 8" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	22,572.17		1,156.08
		<i>For Mounting Pan, Add</i>	1,032.02		
<b>26 27 16 00-0398</b>		<b>10" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>			
26 27 16 00-0399	EA	12" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,472.66		751.46
		<i>For Mounting Pan, Add</i>	344.38		
26 27 16 00-0400	EA	16" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	10,561.65		693.65
		<i>For Mounting Pan, Add</i>	306.82		
26 27 16 00-0401	EA	18" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	11,504.77		751.46
		<i>For Mounting Pan, Add</i>	486.60		
26 27 16 00-0402	EA	18" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	14,477.56		809.26
		<i>For Mounting Pan, Add</i>	810.75		
26 27 16 00-0403	EA	24" x 24" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	12,847.42		809.26
		<i>For Mounting Pan, Add</i>	753.86		
26 27 16 00-0404	EA	24" x 36" x 10" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	24,549.38		1,156.08
		<i>For Mounting Pan, Add</i>	1,032.02		
<b>26 27 16 00-0405</b>		<b>12" Depth, Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosures</b> <small>(26 27 16 00-0364)</small>			
26 27 16 00-0406	EA	12" x 24" x 12" Hinged/Bolted Cover, Cast Aluminum Explosion Proof NEMA 7/9 Enclosure	7,246.40		635.85
		<i>For Mounting Pan, Add</i>	228.99		
<b>26 27 16 00-0407</b>		<b>Breaker Enclosures</b> <small>(26 27 16)</small>			
		See CSI section 26 24 16 00-0001 for lighting and power panel boards.			
<b>26 27 16 00-0408</b>		<b>15 To 100 Amperes, F-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>			
26 27 16 00-0409	EA	NEMA 1, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	449.66		123.31
26 27 16 00-0410	EA	NEMA 3R, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	783.75		123.31
26 27 16 00-0411	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,876.35		169.56
26 27 16 00-0412	EA	NEMA 7, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	2,524.88		184.97
26 27 16 00-0413	EA	NEMA 9, Cast Aluminum, 15 To 100 Amperes, F-Frame Breaker Enclosure	1,862.06		184.97
26 27 16 00-0414	EA	NEMA 12, Painted Steel, 15 To 100 Amperes, F-Frame Breaker Enclosure	699.00		169.56
<b>26 27 16 00-0415</b>		<b>15 To 250 Amperes, H Or J-Frame Breaker Enclosures</b> <small>(26 27 16 00-0407)</small>			
26 27 16 00-0416	EA	NEMA 1, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	706.49		169.56
26 27 16 00-0417	EA	NEMA 3R, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,241.50		169.56
26 27 16 00-0418	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	4,089.41		215.80
26 27 16 00-0419	EA	NEMA 12, Painted Steel, 15 To 250 Amperes, H Or J-Frame Breaker Enclosure	1,056.80		215.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 27 16 00-0420		125 To 400 Amperes, L-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>			
26 27 16 00-0421	EA	NEMA 1, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,136.92		339.11
26 27 16 00-0422	EA	NEMA 3R, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	2,456.22		339.11
26 27 16 00-0423	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	6,957.48		431.61
26 27 16 00-0424	EA	NEMA 12, Painted Steel, 125 To 400 Amperes, L-Frame Breaker Enclosure.....	1,833.12		431.61

26 27 16 00-0425		300 To 800 Amperes, M-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>			
26 27 16 00-0426	EA	NEMA 1, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	2,219.83		647.41
26 27 16 00-0427	EA	NEMA 3R, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	3,614.21		647.41
26 27 16 00-0428	EA	NEMA 3/3R/4/4X/5/12, Stainless Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	12,541.41		832.38
26 27 16 00-0429	EA	NEMA 12, Painted Steel, 300 To 800 Amperes, M-Frame Breaker Enclosure.....	6,947.79		832.38

26 27 16 00-0430		250 To 1,200 Amperes, P-Frame Breaker Enclosures <small>(26 27 16 00-0407)</small>			
26 27 16 00-0431	EA	NEMA 1, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	2,648.46		647.41
26 27 16 00-0432	EA	NEMA 3R, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	4,292.06		647.41
26 27 16 00-0433	EA	NEMA 3R/5/12, Painted Steel, 250 To 1,200 Amperes, P-Frame Breaker Enclosure.....	8,645.11		832.38

26 27 16 00-0434		Legend Plates <small>(26 27 16)</small>			
26 27 16 00-0435	EA	3" Phenolic Plastic Cabinet Legend Plate Engraved With 1/2" Letters.....	25.87		7.71
26 27 16 00-0436	EA	3" Engraved Aluminum Cabinet Legend Plate Engraved With 1/2" Letters.....	32.83		7.71

**26 27 19 Multi-Outlet Assemblies (26 27)**

26 27 19 00-0001		Surface Metal Raceway, Preassembled With Outlets <small>(26 27 19)</small>			
Note: Exposed installations on masonry, concrete block or drywall walls or ceilings. (Wiremold or approved equal).					
26 27 19 00-0002	LF	Single Circuit, Plugmold #2000, 3' With Outlets 6" On Center.....	33.15		11.25
			<i>For Concrete Or Masonry Surface, Add</i>	1.12	
26 27 19 00-0003	LF	Single Circuit, Plugmold #2000, 6' With Outlets 6" On Center.....	25.35		8.01
			<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0004	LF	Single Circuit, Plugmold #2000, 6' With Outlets 9" On Center.....	24.31		8.48
			<i>For Concrete Or Masonry Surface, Add</i>	0.84	
26 27 19 00-0005	LF	Single Circuit, Plugmold #2000, 6' With Outlets 12" On Center.....	26.14		8.01
			<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0006	LF	Single Circuit, Plugmold #2000, 6' With Outlets 18" On Center.....	22.07		8.17
			<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0007	LF	Two Circuits, Plugmold #2000, 6' With Outlets 9" On Center.....	28.74		8.01
			<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0008	LF	Two Circuits, Plugmold #2000, 6' With Outlets 12" On Center.....	25.90		8.01
			<i>For Concrete Or Masonry Surface, Add</i>	0.81	
26 27 19 00-0009	LF	Two Circuits, Plugmold #2000, 6' With Outlets 18" On Center.....	27.61		8.01
			<i>For Concrete Or Masonry Surface, Add</i>	0.81	

**26 27 23 Indoor Service Poles (26 27)**

26 27 23 00-0001		Communication And Power Poles <small>(26 27 23)</small>			
Note: Includes separate compartments for power and communication cable. Includes removable cover plates with knock-outs for modular jacks and openings to accept modular furniture adapters for communication devices. Includes all necessary mounting plates and assemblies. Excludes electrical and communications wire, power outlets and communication devices. Wiremold Tele-Power Pole series.					
26 27 23 00-0002		Steel Communication And Power Poles <small>(26 27 23 00-0001)</small>			
26 27 23 00-0003		2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0002)</small>			
26 27 23 00-0004		2-1/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0003)</small>			
26 27 23 00-0005	EA	2-1/4" x 2-5/16", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	347.90		68.29
26 27 23 00-0006	EA	2-1/4" x 2-5/16", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	375.35		68.29
26 27 23 00-0007	EA	2-1/4" x 2-5/16", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	407.09		68.29

**26 27 23 00-0008 Additional Cover Plates For 2-1/4" Width, Steel Communication And Power Poles (26 27 23 00-0003)**

Note: Excludes receptacles, communication jacks and wiring.					
26 27 23 00-0009	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	71.26		14.08
26 27 23 00-0010	EA	Add-On 2-1/4" Width Steel Cover Plate For Three Duplex Receptacles.....	62.60		14.08
26 27 23 00-0011	EA	Add-On 2-1/4" Width Steel Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	70.06		14.08
26 27 23 00-0012	EA	Add-On 2-1/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	53.51		14.08
26 27 23 00-0013	EA	Add-On 2-1/4" Width Steel Cover Plate Radius Control Entrance End Fitting.....	45.16		14.08

**26 27 23 00-0014 2-3/4" Width, Steel Communication And Power Poles (26 27 23 00-0002)**

26 27 23 00-0015		2-3/4" Width, Steel Communication And Power Poles <small>(26 27 23 00-0014)</small>			
26 27 23 00-0016	EA	2-3/4" x 1-17/32", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	442.03		68.29
26 27 23 00-0017	EA	2-3/4" x 1-17/32", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	501.02		68.29
26 27 23 00-0018	EA	2-3/4" x 1-17/32", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	532.86		68.29

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 23 00-0019			<b>Additional Cover Plates For 2-3/4" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0014)</small>		
			Note: Excludes receptacles and communication jacks.		
26 27 23 00-0020	EA		Add-On 2-3/4" Width Steel Cover Plate For One Single Receptacle.....	49.82	14.08
26 27 23 00-0021	EA		Add-On 2-3/4" Width Steel Cover Plate For One Duplex Receptacle.....	45.42	14.08
26 27 23 00-0022	EA		Add-On 2-3/4" Width Steel Cover Plate For Data And A/V Modular Devices.....	48.57	14.08
26 27 23 00-0023			<b>3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0002)</small>		
26 27 23 00-0024			<b>3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0023)</small>		
26 27 23 00-0025	EA		3" x 2-3/4", 10'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	567.04	68.29
26 27 23 00-0026	EA		3" x 2-3/4", 12'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	638.06	68.29
26 27 23 00-0027	EA		3" x 2-3/4", 15'-5" Height, Enamel Finish, Steel Communication And Power Pole.....	684.87	68.29
26 27 23 00-0028			<b>Additional Cover Plates For 3" Width, Steel Communication And Power Poles</b> <small>(26 27 23 00-0023)</small>		
			Note: Excludes receptacles and communication jacks.		
26 27 23 00-0029	EA		Add-On 3" Width Steel Cover Plate For One Single Receptacle.....	49.82	14.08
26 27 23 00-0030	EA		Add-On 3" Width Steel Cover Plate For One Duplex Receptacle.....	45.42	14.08
26 27 23 00-0031	EA		Add-On 3" Width Steel Cover Plate For Data And A/V Modular Devices.....	48.57	14.08
26 27 23 00-0032			<b>Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0001)</small>		
26 27 23 00-0033			<b>2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0032)</small>		
26 27 23 00-0034			<b>2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0033)</small>		
26 27 23 00-0035	EA		2-1/8" x 2-3/8", 10'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	460.50	68.29
26 27 23 00-0036	EA		2-1/8" x 2-3/8", 12'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	510.15	68.29
26 27 23 00-0037	EA		2-1/8" x 2-3/8", 15'-5" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	565.81	68.29
26 27 23 00-0038			<b>Additional Cover Plates For 2-1/8" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0033)</small>		
26 27 23 00-0039	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One Single Receptacle.....	72.96	14.08
26 27 23 00-0040	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Three Duplex Receptacles.....	74.36	14.08
26 27 23 00-0041	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Two Duplex Receptacles And One GFCI Receptacle.....	79.02	14.08
26 27 23 00-0042	EA		Add-On 2-1/8" Width Aluminum Cover Plate For Data And A/V Modular Devices.....	56.13	14.08
26 27 23 00-0043	EA		Add-On 2-1/8" Width Aluminum Radius Control Entrance End Fitting.....	45.16	14.08
26 27 23 00-0044			<b>2-1/4" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0032)</small>		
26 27 23 00-0045	EA		2-1/4" x 2-5/16", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	445.00	68.29
26 27 23 00-0046	EA		2-1/4" x 2-5/16", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	495.92	68.29
26 27 23 00-0047	EA		2-1/4" x 2-5/16", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	555.91	68.29
26 27 23 00-0048			<b>5" Width, Aluminum Communication And Power Poles</b> <small>(26 27 23 00-0032)</small>		
26 27 23 00-0049	EA		5" x 4-3/4", 10'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	898.56	68.29
26 27 23 00-0050	EA		5" x 4-3/4", 12'-8" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,023.45	68.29
26 27 23 00-0051	EA		5" x 4-3/4", 15'-2" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	1,163.32	68.29
26 27 23 00-0052			<b>2" Diameter, Round Aluminum Communication And Power Pole</b> <small>(26 27 23 00-0032)</small>		
26 27 23 00-0053	EA		2" Diameter, 10'-4" Height, Satin Anodized Finish, Aluminum Communication And Power Pole.....	501.91	68.29
26 27 23 00-0054	EA		2" Diameter, 10'-4" Height, Painted White Finish, Aluminum Communication And Power Pole.....	476.74	68.29
26 27 23 00-0055	EA		2" Diameter, 10'-4" Height, Polished Anodized Finish, Aluminum Communication And Power Pole.....	602.35	68.29
<b>26 27 26</b>			<b>Wiring Devices</b> <small>(26 27)</small>		
26 27 26 00-0001			<b>Receptacles</b> <small>(26 27 26)</small>		
26 27 26 00-0002			<b>General Use Receptacles</b> <small>(26 27 26 00-0001)</small>		
26 27 26 00-0003			<b>Receptacle Assemblies</b> <small>(26 27 26 00-0002)</small>		
			Note: Includes 4" square steel box, bracket, mud ring, receptacle and cover plate.		
26 27 26 00-0004	EA		15 Amperes, 1 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	121.57	54.72
26 27 26 00-0005	EA		20 Amperes, 1 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	130.32	58.57
26 27 26 00-0006	EA		15 Amperes, 2 Gang, NEMA 5-15, Duplex Receptacle Assembly.....	156.67	70.13
26 27 26 00-0007	EA		20 Amperes, 2 Gang, NEMA 5-20, Duplex Receptacle Assembly.....	174.16	77.84
26 27 26 00-0008	EA		15 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	135.72	54.72
26 27 26 00-0009	EA		20 Amperes, 1 Gang, GFI, Duplex Receptacle Assembly.....	145.21	58.57
26 27 26 00-0010			<b>Receptacle Components</b> <small>(26 27 26 00-0002)</small>		
26 27 26 00-0011	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Single Receptacle.....	34.69	15.41
26 27 26 00-0012	EA		15 Amperes, 125 Volt, 1 Phase, NEMA 5-15, Duplex Receptacle.....	33.86	15.41
26 27 26 00-0013	EA		15 Amperes, 120/277 Volt, 3 Wire, Single Receptacle.....	38.72	15.41
26 27 26 00-0014	EA		15 Amperes, 120/277 Volt, 3 Wire, Duplex Receptacle.....	41.54	15.41
26 27 26 00-0015	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Single Receptacle.....	52.83	19.27
26 27 26 00-0016	EA		15 Amperes, 250 Volt, 1 Phase, NEMA 6-15, Duplex Receptacle.....	62.06	19.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0017	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Single Receptacle .....	35.77	15.41
26 27 26 00-0018	EA		20 Amperes, 125 Volt, 1 Phase, NEMA 5-20, Duplex Receptacle .....	34.91	15.41
26 27 26 00-0019	EA		20 Amperes, 120/277 Volt, Single Receptacle .....	47.58	15.41
26 27 26 00-0020	EA		20 Amperes, 120/277 Volt, Duplex Receptacle .....	40.65	15.41
26 27 26 00-0021	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Single Receptacle .....	52.83	19.27
26 27 26 00-0022	EA		20 Amperes, 250 Volt, 1 Phase, NEMA 6-20, Duplex Receptacle .....	62.06	19.27
26 27 26 00-0023	EA		20 Amperes, 125/250 Volt, 1 Phase, NEMA 14-20, Single Receptacle .....	91.69	19.27
26 27 26 00-0024	EA		20 Amperes, 250 Volt, 3 Phase, NEMA 15-20, Single Receptacle .....	91.69	19.27
26 27 26 00-0025	EA		25 Amperes, 120/277 Volt, Duplex Receptacle .....	80.38	23.12
<b>26 27 26 00-0026</b>			<b>Specialty Receptacles (26 27 26 00-0001)</b>		
<b>26 27 26 00-0027</b>			<b>Specialty Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0028	EA		30 Amperes, 125 Volt, 1 Phase, NEMA 5-30, Single Receptacle .....	74.91	26.97
26 27 26 00-0029	EA		30 Amperes, 250 Volt, 1 Phase, NEMA 6-30, Single Receptacle .....	74.91	26.97
26 27 26 00-0030	EA		30 Amperes, 125/250 Volt, NEMA 10-30, Single Receptacles .....	96.65	26.97
26 27 26 00-0031	EA		30 Amperes, 125/250 Volt, 1 Phase, NEMA 14-30, Single Receptacle .....	107.10	26.97
26 27 26 00-0032	EA		30 Amperes, 250 Volt, 3 Phase, NEMA 15-30, Single Receptacle .....	114.81	30.83
26 27 26 00-0033	EA		50 Amperes, 125 Volt, 1 Phase, NEMA 5-50, Single Receptacle .....	107.13	30.83
26 27 26 00-0034	EA		50 Amperes, 250 Volt, 1 Phase, NEMA 6-50, Single Receptacle .....	104.97	30.83
26 27 26 00-0035	EA		50 Amperes, 277 Volt, NEMA 7-50, Single Receptacle .....	93.81	30.83
26 27 26 00-0036	EA		50 Amperes, 125/250 Volt, NEMA 10-50, Single Receptacle .....	116.35	30.83
26 27 26 00-0037	EA		50 Amperes, 125/250 Volt, 1 Phase, NEMA 14-50, Single Receptacle .....	126.62	30.83
26 27 26 00-0038	EA		50 Amperes, 250 Volt, 3 Phase, NEMA 15-50, Single Receptacle .....	134.32	34.68
26 27 26 00-0039	EA		60 Amperes, 125/250 Volt, 1 Phase, NEMA 14-60, Single Receptacle .....	147.94	38.54
26 27 26 00-0040	EA		60 Amperes, 250 Volt, 3 Phase, NEMA 15-60, Single Receptacle .....	163.35	46.24
26 27 26 00-0041	EA		100 Amperes, 480 Volt, 3 Phase, Joy Receptacle With Box, Complete .....	1,513.16	362.24
26 27 26 00-0042	EA		400 Amperes, 4 Pole Weatherproof Generator Receptacle With Box, Complete .....	3,498.84	443.17
26 27 26 00-0043	EA		30 Amperes, 230 Volt, Dryer Receptacle .....	88.77	30.83
26 27 26 00-0044	EA		60 Amperes, 230 Volt, Range Receptacle .....	130.45	46.24
26 27 26 00-0045	EA		15 Or 20 Amperes, 120/277 Volt, Clock Hanger Receptacle .....	78.90	19.27
26 27 26 00-0046	EA		Cable Reel With 20 Amperes, 120 Volt Receptacle, Complete .....	1,629.01	469.37
<b>26 27 26 00-0047</b>			<b>Isolated Ground Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0048	EA		15 Amperes, 125 Volt, NEMA 5-15R Isolated Ground Receptacle, Simplex .....	102.26	15.41
			Note: 2 Pole, 3 wire.		
26 27 26 00-0049	EA		20 Amperes, 120 Volt Isolated Ground Receptacles, Simplex .....	68.38	19.27
26 27 26 00-0050	EA		20 Amperes, 120 Volt Isolated Ground Receptacles, Duplex .....	68.17	19.27
26 27 26 00-0051	EA		30 Amperes, 120 Volt Isolated Ground Receptacles, Simplex .....	96.62	30.83
26 27 26 00-0052	EA		Locking 15 Amperes, 250 Volt Isolated Ground Receptacles .....	75.49	19.27
26 27 26 00-0053	EA		Locking 15 Amperes, 277 Volt Isolated Ground Receptacles .....	69.96	19.27
26 27 26 00-0054	EA		Locking 20 Amperes, 120/208 Volt Isolated Ground Receptacles .....	94.96	23.12
26 27 26 00-0055	EA		Locking 20 Amperes, 277/480 Volt Isolated Ground Receptacles .....	77.74	23.12
26 27 26 00-0056	EA		Locking 20 Amperes, 347/600 Volt Isolated Ground Receptacles .....	97.01	23.12
26 27 26 00-0057	EA		Locking 30 Amperes, 120/208 Volt Isolated Ground Receptacles .....	115.79	23.12
26 27 26 00-0058	EA		Locking 30 Amperes, 277 Volt Isolated Ground Receptacles .....	117.96	30.83
<b>26 27 26 00-0059</b>			<b>Explosion Proof Receptacles (26 27 26 00-0026)</b>		
26 27 26 00-0060	EA		1/2", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	991.87	38.54
26 27 26 00-0061	EA		3/4", 20 Amperes, 2 Watt, 3 Pole, Type CPS Explosion Proof Receptacle Assembly .....	915.89	42.39
26 27 26 00-0062	EA		3/4", 30 Amperes, 2 Watt, 3 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,524.66	77.07
26 27 26 00-0063	EA		3/4", 30 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	1,914.73	77.07
26 27 26 00-0064	EA		1-1/4", 60 Amperes, 2 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	2,428.12	115.61
26 27 26 00-0065	EA		1-1/4", 60 Amperes, 3 Watt, 4 Pole, Type CES/CESD Explosion Proof Receptacle Assembly .....	2,315.19	115.61
<b>26 27 26 00-0066</b>			<b>Ground Fault Circuit Interrupter (GFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0067	EA		15 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	44.14	19.27
26 27 26 00-0068	EA		20 Amperes, Ground Fault Circuit Interrupter (GFCI), Duplex Receptacle .....	65.20	23.12
26 27 26 00-0069	EA		15 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	46.61	26.26
26 27 26 00-0070	EA		20 Amperes, 120 Volt, Ground Fault Circuit Interrupter (GFCI), Weatherproof Duplex Receptacle .....	79.71	30.83
<b>26 27 26 00-0071</b>			<b>Arc Fault Circuit Interrupter (AFCI) (26 27 26 00-0026)</b>		
26 27 26 00-0072	EA		15 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	74.98	19.27
26 27 26 00-0073	EA		20 Amperes, 125 Volt Duplex Arc Fault Circuit Interrupter (AFCI), Tamper Resistant Receptacle .....	81.83	19.27
<b>26 27 26 00-0074</b>			<b>Locking Receptacle (26 27 26 00-0026)</b>		
26 27 26 00-0075	EA		NEMA L5-15, 125 Volt, 2 Pole, 15 Amperes, Locking Receptacle .....	65.36	19.27
26 27 26 00-0076	EA		NEMA L6-15, 250 Volt, 2 Pole, 15 Amperes, Locking Receptacle .....	79.28	19.27
26 27 26 00-0077	EA		NEMA L5-20, 125 Volt, 2 Pole, 20 Amperes, Locking Receptacle .....	72.90	23.12
26 27 26 00-0078	EA		NEMA L6-20, 250 Volt, 2 Pole, 20 Amperes, Locking Receptacle .....	72.28	23.12
26 27 26 00-0079	EA		NEMA L8-20, 480 Volt, 2 Pole, 20 Amperes, Locking Receptacle .....	84.53	23.12
26 27 26 00-0080	EA		NEMA L9-20, 600 Volt, 2 Pole, 20 Amperes, Locking Receptacle .....	100.36	23.12
26 27 26 00-0081	EA		NEMA L10-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle .....	98.61	23.12
26 27 26 00-0082	EA		NEMA L14-20, 125/250 Volt, 3 Pole, 20 Amperes, Locking Receptacle .....	87.07	23.12
26 27 26 00-0083	EA		NEMA L5-30, 125 Volt, 2 Pole, 30 Amperes, Locking Receptacle .....	100.34	30.83
26 27 26 00-0084	EA		NEMA L6-30, 250 Volt, 2 Pole, 30 Amperes, Locking Receptacle .....	101.84	30.83
26 27 26 00-0085	EA		NEMA L15-30, 250 Volt, 3 Pole, 30 Amperes, Locking Receptacle .....	125.57	30.83

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0086			<b>Weathertight Pin And Sleeve Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0087	EA		20 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R4W).....	307.96	77.07
26 27 26 00-0088	EA		20 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R6W).....	307.33	77.07
26 27 26 00-0089	EA		20 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 320R7W).....	319.32	77.07
26 27 26 00-0090	EA		20 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R12W).....	385.62	84.78
26 27 26 00-0091	EA		20 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R9W).....	386.62	84.78
26 27 26 00-0092	EA		20 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 420R7W).....	384.31	84.78
26 27 26 00-0093	EA		30 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R4W).....	457.70	94.80
26 27 26 00-0094	EA		30 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R6W).....	438.18	94.80
26 27 26 00-0095	EA		30 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 330R7W).....	468.73	94.80
26 27 26 00-0096	EA		30 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R12W).....	477.02	104.05
26 27 26 00-0097	EA		30 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R9W).....	476.64	104.05
26 27 26 00-0098	EA		30 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 430R7W).....	479.40	104.05
26 27 26 00-0099	EA		60 Amperes, 2 Pole, 3 Wire, 125 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R4W).....	661.19	123.31
26 27 26 00-0100	EA		60 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R6W).....	637.56	123.31
26 27 26 00-0101	EA		60 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 360R7W).....	652.94	123.31
26 27 26 00-0102	EA		60 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R12W).....	727.08	137.19
26 27 26 00-0103	EA		60 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R9W).....	727.53	137.19
26 27 26 00-0104	EA		60 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 460R7W).....	727.99	137.19
26 27 26 00-0105	EA		100 Amperes, 2 Pole, 3 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R6W).....	809.88	154.14
26 27 26 00-0106	EA		100 Amperes, 2 Pole, 3 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 3100R7W).....	840.17	154.14
26 27 26 00-0107	EA		100 Amperes, 3 Pole, 4 Wire, 125/250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R12W).....	905.49	169.56
26 27 26 00-0108	EA		100 Amperes, 3 Pole, 4 Wire, 250 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R9W).....	903.22	169.56
26 27 26 00-0109	EA		100 Amperes, 3 Pole, 4 Wire, 480 Volt, Watertight Pin And Sleeve Receptacle (Hubbell 4100R7W).....	907.49	169.56
26 27 26 00-0110			<b>Corrosion Resistant Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0111	EA		15/20 Amperes, 125 Volt Corrosion Resistant, Power Receptacles .....	80.12	15.41
26 27 26 00-0112	EA		15/20 Amperes, 250 Volt Corrosion Resistant, Power Receptacles .....	155.02	19.27
26 27 26 00-0113			<b>Tamper Resistant Receptacle</b> (26 27 26 00-0026)		
26 27 26 00-0114	EA		15 Amperes, 125 Volt Duplex Tamper Resistant Receptacle .....	36.80	15.41
			Note: Pass & Seymour 3232-TR.		
26 27 26 00-0115	EA		20 Amperes, 125 Volt Duplex Tamper Resistant Receptacle .....	39.88	15.41
			Note: Pass & Seymour TR20.		
26 27 26 00-0116	EA		15 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle .....	48.71	15.41
			Note: Pass & Seymour TR5251.		
26 27 26 00-0117	EA		20 Amperes, 125 Volt Single Specification Grade Tamper Resistant Receptacle .....	52.85	15.41
			Note: Pass & Seymour TR5351.		
26 27 26 00-0118	EA		15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Tamper Resistant Receptacle.....	77.71	15.41
			Note: Pass & Seymour S1595-TR*CC8.		
26 27 26 00-0119	EA		15 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	83.64	15.41
			Note: Pass & Seymour 1595-TRS.		
26 27 26 00-0120	EA		20 Amperes, 125 Volt Duplex Ground Fault Circuit Interrupter (GFCI), Specification Grade Tamper Resistant Receptacle.....	89.30	15.41
			Note: Pass & Seymour 2095-TRS.		
26 27 26 00-0121			<b>USB Charger/Duplex Tamper-Resistant Receptacles</b> (26 27 26 00-0026)		
26 27 26 00-0122	EA		15 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	79.88	15.41
26 27 26 00-0123	EA		20 Amperes, 125 Volt Duplex USB Charger/Duplex Tamper-Resistant Receptacle.....	86.01	15.41
26 27 26 00-0124			<b>Switches</b> (26 27 26)		
26 27 26 00-0125			<b>Switches</b> (26 27 26 00-0124)		
26 27 26 00-0126			<b>Switch Assemblies</b> (26 27 26 00-0125)		
			Note: Includes 4" square steel box, bracket, mud ring, switch and cover plate.		
26 27 26 00-0127	EA		1 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	124.57	53.95
26 27 26 00-0128	EA		1 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	134.33	58.57
26 27 26 00-0129	EA		2 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	166.51	70.52
26 27 26 00-0130	EA		2 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	182.96	78.22
26 27 26 00-0131	EA		3 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	284.89	121.01
26 27 26 00-0132	EA		3 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	309.54	132.57
26 27 26 00-0133	EA		4 Gang, 15 Amperes, 120/277 Volt, SPST, Switch Assembly .....	326.69	136.81
26 27 26 00-0134	EA		4 Gang, 20 Amperes, 120/277 Volt, SPST, Switch Assembly .....	359.56	152.22
26 27 26 00-0135			<b>Switch Components</b> (26 27 26 00-0125)		
26 27 26 00-0136	EA		15 Amperes, 120/277 Volt, SPST Switch.....	38.41	15.41
26 27 26 00-0137	EA		15 Amperes, 120/277 Volt, 3-Way Switch.....	48.50	19.27
26 27 26 00-0138	EA		15 Amperes, 120/277 Volt, 4-Way Switch.....	90.56	30.83
26 27 26 00-0139	EA		15 Amperes, 120/277 Volt, DPST Switch .....	42.82	15.41
26 27 26 00-0140	EA		15 Amperes, 120/277 Volt, Thermal Switch.....	76.22	19.27
26 27 26 00-0141	EA		20 Amperes, 120/277 Volt, SPST Switch.....	46.63	19.27
26 27 26 00-0142	EA		20 Amperes, 120/277 Volt, 3-Way Switch.....	57.30	23.12
26 27 26 00-0143	EA		20 Amperes, 120/277 Volt, 4-Way Switch.....	116.78	30.83
26 27 26 00-0144	EA		20 Amperes, 120/277 Volt, DPST Switch .....	53.70	19.27
26 27 26 00-0145	EA		20 Amperes, 120/277 Volt, DPDT Switch.....	56.83	19.27
26 27 26 00-0146	EA		15 Amperes, 120/277 Volt, Single Pole, Toggle, Three Position, Center Off, Momentary Contact Switch .....	92.67	19.31
26 27 26 00-0147	EA		15 Amperes, 120/277 Volt, Key Operated, Single Pole, Three Position, Center Off, Momentary Contact Switch .....	116.08	19.31



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0148	EA		Momentary Contact Switch With Separate Neon Pilot..... Note: Neon Pilot is 125 V, 1 / 125W.	89.83	23.16
26 27 26 00-0149	EA		20 Amperes, 125 Volt AC, Single Pole, Maintained Contact Switch With Center Off ..... Note: Or 250 VAC 10 Amp, double throw BAT handle.	69.65	26.97
26 27 26 00-0150	EA		20 Amperes, 125 Volt AC, Double Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	84.53	30.83
26 27 26 00-0151	EA		20 Amperes, 125 Volt AC, Three Pole, Maintained Contact Switch..... Note: Or 250 VAC 10 Amp, with center off double throw BAT handle.	116.85	30.83
26 27 26 00-0152	EA		30 Amperes, 120/277 Volt, Single Pole, Local Switch .....	94.79	30.89
26 27 26 00-0153	EA		30 Amperes, 120/277 Volt, Double Pole, Local Switch.....	115.84	30.89
26 27 26 00-0154	EA		30 Amperes, 120/277 Volt, Three-Way Local Switch.....	122.02	38.61
26 27 26 00-0155	EA		30 Amperes, 120/277 Volt, Four-Way Local Switch.....	168.74	42.47
26 27 26 00-0156	EA		15 Amperes, 120/277 Volt, Local Switch With Neon Pilot.....	85.09	25.25
26 27 26 00-0157	EA		15 Amperes, 120/277 Volt, Local Switch With Separate Neon Pilot..... Note: Neon pilot is 125V, 1/25W. Requires 2 gang installation.	117.17	25.25
26 27 26 00-0158	EA		15 Amperes, 120 Volt, Clear Toggle, Lighted In On Position, Single Pole, Lighted Toggle Switch .....	103.34	25.25
26 27 26 00-0159	EA		15 Amperes, 120 Volt, Ivory Toggle, Lighted In Off Position, Lighted Toggle Switch .....	98.58	25.25
26 27 26 00-0160	EA		6 Amperes, 125 Volt, Door Open-Light On, Automatic Door Switch.....	104.71	12.51
26 27 26 00-0161	EA		6 Amperes, 125 Volt, Door Closed-Light On, Automatic Door Switch.....	111.16	12.51
26 27 26 00-0162	EA		15 Amperes, 120/277 Volt, Three Position, Center Off, Toggle, Single Pole Momentary Contact Switch .....	121.55	48.19
26 27 26 00-0163	EA		Three Position, Center Off, Key Operated, Momentary Contact Switch .....	144.96	48.19
			Note: 15A, 120/277 V, Single Pole		
26 27 26 00-0164	EA		Single Pole, Slide Dimmer (Leviton IP710-LFZ) .....	168.99	15.44
26 27 26 00-0165	EA		8 Amperes, 120/277 Volt, 0 To 10 Volt Dimmer LED Control Switch, White (Lutron DVSTV-WH).....	88.88	15.44
26 27 26 00-0166	EA		120/277 Volt, (8 Amperes Lighting/3 Amperes Fan), Wireless Dimming Switch (Lutron MRF2-8S-DV-WH).....	282.55	15.41
26 27 26 00-0167	EA		120 Volt, Companion Wireless Dimmer Switch (Lutron MA-AS-WH).....	55.63	15.41
26 27 26 00-0168	EA		1200VA 0-10V LED And Fluorescent, Sunrise Electronic Wall Dimmer (Philips SR1200ZTUNV).....	94.25	15.44
26 27 26 00-0169	EA		1 Zone, 2 Button Wireless Scheduling Switch (LG 9SSA2B1T520.ALWB000).....	107.08	15.44
26 27 26 00-0170	EA		2 Zone, 4 Button Wireless Scheduling Switch (LG 9SSA2B2T520.ALWB000) .....	135.08	15.44
26 27 26 00-0171	EA		Wireless Single Rocker Remote Switch (Leviton WSS0S-S9).....	173.88	15.44
<b>26 27 26 00-0172</b>			<b>Specialty Switches (26 27 26 00-0124)</b>		
<b>26 27 26 00-0173</b>			<b>Dimmers With SPST Switch (26 27 26 00-0172)</b>		
26 27 26 00-0174	EA		600 Watt Dimmers With SPST Switch .....	85.74	34.68
26 27 26 00-0175	EA		1,000 Watt Dimmers With SPST Switch .....	136.87	34.68
26 27 26 00-0176	EA		1,500 Watt Dimmers With SPST Switch .....	243.69	55.80
26 27 26 00-0177	EA		2,000 Watt Dimmers With SPST Switch .....	308.93	55.80
26 27 26 00-0178	EA		600 Watt Fluorescent Dimmer Switch.....	176.27	41.16
26 27 26 00-0179	EA		1,000 Watt Fluorescent Dimmer Switch.....	232.40	41.16
26 27 26 00-0180	EA		1,500 Watt Fluorescent Dimmer Switch.....	415.40	62.12
26 27 26 00-0181	EA		Remote Speed Switch For Paddle Fan.....	138.79	51.33
26 27 26 00-0182	EA		600 Watt Combination Remote Speed Switch/Incandescent Dimmer .....	225.47	76.61
<b>26 27 26 00-0183</b>			<b>Time Switches (26 27 26 00-0172)</b>		
26 27 26 00-0184	EA		40 Amperes, 125 Volt, SPST, Standard Time Switch.....	151.54	46.24
26 27 26 00-0185	EA		40 Amperes, 277 Volt, SPST, Standard Time Switch.....	154.49	46.24
26 27 26 00-0186	EA		40 Amperes, 125 Volt, DPST, Standard Time Switch.....	151.54	46.24
26 27 26 00-0187	EA		40 Amperes, 277 Volt, DPST, Standard Time Switch.....	154.49	46.24
26 27 26 00-0188	EA		40 Amperes, 125 Volt, SPST, 7-Day Time Switch.....	171.22	46.24
26 27 26 00-0189	EA		40 Amperes, 277 Volt, SPST, 7-Day Time Switch.....	171.22	46.24
26 27 26 00-0190	EA		40 Amperes, 125 Volt, DPDT, 7-Day Time Switch.....	287.37	46.24
26 27 26 00-0191	EA		40 Amperes, 277 Volt, DPDT, 7-Day Time Switch.....	287.37	46.24
26 27 26 00-0192	EA		20 Amperes, 125 Volt, SPST, Programmable Time Switch.....	250.10	46.24
26 27 26 00-0193	EA		20 Amperes, 277 Volt, SPST, Programmable Time Switch.....	272.86	46.24
26 27 26 00-0194	EA		20 Amperes, 277 Volt, SPST, Weatherproof Programmable Time Switch .....	272.86	46.24
26 27 26 00-0195	EA		40 Amperes, 125 Volt, 4PST, Astro Dial Time Switch .....	326.64	46.24
26 27 26 00-0196	EA		40 Amperes, 277 Volt, 4PST, Astro Dial Time Switch .....	335.69	46.24
26 27 26 00-0197	EA		40 Amperes, 125 Volt, SPST, Weatherproof Standard Time Switch .....	151.54	46.24
26 27 26 00-0198	EA		40 Amperes, 277 Volt, SPST, Weatherproof Standard Time Switch .....	154.49	46.24
26 27 26 00-0199	EA		40 Amperes, 125 Volt, DPST, Weatherproof Standard Time Switch .....	151.54	46.24
26 27 26 00-0200	EA		40 Amperes, 277 Volt, DPST, Weatherproof Standard Time Switch .....	154.49	46.24
26 27 26 00-0201	EA		40 Amperes, 125 Volt, SPST, Weatherproof 7-Day Time Switch .....	171.22	46.24
26 27 26 00-0202	EA		40 Amperes, 277 Volt, SPST, Weatherproof 7-Day Time Switch .....	171.22	46.24
26 27 26 00-0203	EA		40 Amperes, 125 Volt, DPDT, Weatherproof 7-Day Time Switch.....	287.37	46.24
26 27 26 00-0204	EA		40 Amperes, 277 Volt, DPDT, Weatherproof 7-Day Time Switch.....	287.37	46.24
26 27 26 00-0205	EA		40 Amperes, 125 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	326.64	46.24
26 27 26 00-0206	EA		40 Amperes, 277 Volt, 4PST, Weatherproof Astro Dial Time Switch.....	335.69	46.24
<b>26 27 26 00-0207</b>			<b>Low Voltage Switching (26 27 26 00-0172)</b>		
26 27 26 00-0208	EA		36 Pin Male Or Female Connector .....	221.76	15.41
<b>26 27 26 00-0209</b>			<b>Other Switches (26 27 26 00-0172)</b>		
26 27 26 00-0210	EA		Pull Chain Switch 120/277 Volt AC Installed In Light Fixture.....	49.90	23.12
26 27 26 00-0211	EA		SPST Locking Switch For Concealed Devices .....	148.67	61.66
26 27 26 00-0212	EA		3-Way Locking Switch For Concealed Devices .....	150.28	61.66
26 27 26 00-0213	EA		Emergency Off Switch, With 1 Non-Closing Contact, Circular, Red, With Guard .....	160.31	57.65
26 27 26 00-0214	EA		15 Amperes Momentary Contact Switch.....	153.86	57.65
26 27 26 00-0215	EA		20 Amperes Momentary Contact Switch.....	160.65	57.65
26 27 26 00-0216	EA		2-1/4" Handy Box Cover Units Fuseholder Switch.....	157.92	69.49
26 27 26 00-0217	EA		2-3/4" Handy Box Cover Units Fuseholder Switch.....	159.82	69.49

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 27 Low-Voltage Distribution Equipment**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 27 26 00-0218	EA		4" Square Box Cover Units With 2 Fuseholders And 2 Switches.....	196.39	84.94
26 27 26 00-0219	EA		4" Square Box Cover Units With 1 Fuseholder And 1 Switch.....	178.57	77.22
26 27 26 00-0220	EA		4" Octagon Box Cover Units With 1 Fuseholder And 1 Switch.....	179.04	77.22
<b>26 27 26 00-0221</b>			<b>Plates And Covers (26 27 26)</b>		
<b>26 27 26 00-0222</b>			<b>Wall Plates (26 27 26 00-0221)</b>		
<b>26 27 26 00-0223</b>			<b>Nylon Wall Plates (26 27 26 00-0222)</b>		
26 27 26 00-0224	EA		1 Gang Nylon Switch Wall Plates.....	2.31	0.77
26 27 26 00-0225	EA		2 Gang Nylon Switch Wall Plates.....	3.86	1.16
26 27 26 00-0226	EA		3 Gang Nylon Switch Wall Plates.....	5.44	1.55
26 27 26 00-0227	EA		4 Gang Nylon Switch Wall Plate.....	7.76	1.93
26 27 26 00-0228	EA		1 Gang Duplex Nylon Wall Plate.....	2.33	0.77
26 27 26 00-0229	EA		2 Gang Duplex Nylon Wall Plate.....	3.94	1.16
<b>26 27 26 00-0230</b>			<b>Plastic Wall Plates (26 27 26 00-0222)</b>		
26 27 26 00-0231	EA		1 Gang Plastic Switch Wall Plates.....	2.16	0.77
26 27 26 00-0232	EA		2 Gang Plastic Switch Wall Plates.....	3.55	1.16
26 27 26 00-0233	EA		3 Gang Plastic Switch Wall Plates.....	4.95	1.55
26 27 26 00-0234	EA		4 Gang Plastic Switch Wall Plates.....	7.76	1.93
26 27 26 00-0235	EA		1 Gang Duplex Plastic Wall Plate.....	2.16	0.77
26 27 26 00-0236	EA		2 Gang Duplex Plastic Wall Plate.....	3.56	1.16
<b>26 27 26 00-0237</b>			<b>Brass Wall Plates (26 27 26 00-0222)</b>		
26 27 26 00-0238	EA		1 Gang, 0.04" Brass Switch Wall Plates.....	21.39	3.48
26 27 26 00-0239	EA		2 Gang, 0.04" Brass Switch Wall Plates.....	39.37	4.02
26 27 26 00-0240	EA		3 Gang, 0.04" Brass Switch Wall Plates.....	57.19	4.48
26 27 26 00-0241	EA		4 Gang, 0.04" Brass Switch Wall Plates.....	88.38	4.86
26 27 26 00-0242	EA		5 Gang, 0.04" Brass Switch Wall Plates.....	107.43	5.17
26 27 26 00-0243	EA		6 Gang, 0.04" Brass Switch Wall Plates.....	124.17	5.40
26 27 26 00-0244	EA		1 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	21.39	3.48
26 27 26 00-0245	EA		2 Gang, 0.04" Brass Duplex Receptacle Wall Plate.....	45.94	4.02
26 27 26 00-0246	EA		3 Gang 0.04" Brass Duplex Receptacle Wall Plate.....	65.86	4.48
<b>26 27 26 00-0247</b>			<b>Stainless Steel Wall Plates (26 27 26 00-0222)</b>		
26 27 26 00-0248	EA		1 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	11.90	3.48
26 27 26 00-0249	EA		2 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	18.63	4.02
26 27 26 00-0250	EA		3 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	25.70	4.48
26 27 26 00-0251	EA		4 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	37.23	4.86
26 27 26 00-0252	EA		5 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	43.68	5.17
26 27 26 00-0253	EA		6 Gang, 302 Stainless Steel With Satin Finish Switch Wall Plates.....	52.59	5.40
26 27 26 00-0254	EA		1 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	12.94	3.48
26 27 26 00-0255	EA		2 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	21.09	4.02
26 27 26 00-0256	EA		3 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	33.84	4.48
26 27 26 00-0257	EA		4 Gang, 302 Stainless Steel With Satin Finish Duplex Receptacle Wall Plate.....	40.76	4.86
<b>26 27 26 00-0258</b>			<b>Chrome Wall Plates (26 27 26 00-0222)</b>		
26 27 26 00-0259	EA		1 Gang, 0.040" Chrome Switch Wall Plate.....	41.82	3.48
26 27 26 00-0260	EA		2 Gang 0.040" Chrome Switch Wall Plate.....	77.65	4.02
26 27 26 00-0261	EA		3 Gang 0.040" Chrome Switch Wall Plate.....	113.41	4.48
26 27 26 00-0262	EA		1 Gang 0.040" Chrome Duplex Receptacle Wall Plate.....	41.79	3.48
<b>26 27 26 00-0263</b>			<b>Weatherproof Covers (26 27 26 00-0221)</b>		
<b>26 27 26 00-0264</b>			<b>Stamped Metallic Weatherproof Covers (26 27 26 00-0263)</b>		
			Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0265	EA		Blank Cover, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FBC).....	12.73	0.77
26 27 26 00-0266	EA		Duplex Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FAC).....	13.77	0.77
26 27 26 00-0267	EA		Single Receptacle, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FRC).....	13.77	0.77
26 27 26 00-0268	EA		Toggle Switch, Single Gang, Stamped Metallic Weatherproof Cover (Killark® 1FTC).....	13.77	0.77
26 27 26 00-0269	EA		Blank Cover, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FBC).....	16.96	1.16
26 27 26 00-0270	EA		Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FAC).....	19.20	1.16
26 27 26 00-0271	EA		Single Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FRC).....	19.42	1.16
26 27 26 00-0272	EA		Toggle Switch, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTC).....	19.42	1.16
26 27 26 00-0273	EA		Toggle Switch And Duplex Receptacle, Two Gang, Stamped Metallic Weatherproof Cover (Killark® 2FTAC).....	26.24	1.16
26 27 26 00-0274	EA		Blank Cover, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FB).....	25.02	1.55
26 27 26 00-0275	EA		Toggle Switch, Three Gang, Stamped Metallic Weatherproof Cover (Killark® 3FT).....	27.30	1.55
<b>26 27 26 00-0276</b>			<b>Cast Metallic Weatherproof Covers (26 27 26 00-0263)</b>		
			Note: Includes electrostatically applied powder coating and neoprene gasket.		
26 27 26 00-0277	EA		Blank Cover, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSBC).....	15.51	0.77
26 27 26 00-0278	EA		Duplex Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLA).....	48.85	0.77
26 27 26 00-0279	EA		Single Receptacle, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLR).....	54.74	0.77
26 27 26 00-0280	EA		Guarded Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSTG).....	15.40	0.77
26 27 26 00-0281	EA		Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover With Self Closing Lid (Killark® FCLT).....	41.45	0.77
26 27 26 00-0282	EA		Lever Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FSPT).....	68.75	0.77
26 27 26 00-0283	EA		Plunger Operated Toggle Switch, Single Gang, Cast Metallic Weatherproof Cover (Killark® FST).....	87.44	0.77

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 27 26 00-0284	EA		Blank Cover, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FSBC).....	19.42	1.16
	26 27 26 00-0285	EA		Plunger Operated Toggle Switch, Two Gang, Cast Metallic Weatherproof Cover (Killark® 2FST) .....	138.09	1.16
	26 27 26 00-0286	EA		Blank Cover, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FSBC) .....	32.34	1.55
	26 27 26 00-0287	EA		Plunger Operated Toggle Switch, Three Gang, Cast Metallic Weatherproof Cover (Killark® 3FST).....	132.09	1.55
	<b>26 27 26 00-0288</b>			<b>Die Cast Aluminum Weatherproof Covers</b> <small>(26 27 26 00-0263)</small>		
				Note: Includes electrostatically applied powder coating and neoprene gasket.		
	26 27 26 00-0289	EA		Duplex Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5027) .....	5.71	0.77
	26 27 26 00-0290	EA		Single Receptacle, Single Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5026).....	7.23	0.77
	26 27 26 00-0291	EA		Duplex Receptacles, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5032).....	9.74	1.16
	26 27 26 00-0292	EA		Toggle Switch, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5041).....	10.53	1.16
	26 27 26 00-0293	EA		Toggle Switch And Duplex Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5042) .....	10.53	1.16
	26 27 26 00-0294	EA		Toggle Switch And Single Receptacle, Two Gang, Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Bell® 5043) .....	11.67	1.16
	<b>26 27 26 00-0295</b>			<b>Heavy Duty Die Cast Aluminum Weatherproof Covers</b> <small>(26 27 26 00-0263)</small>		
				Note: Includes baked on lacquer finish and neoprene gasket.		
	26 27 26 00-0296	EA		Duplex Receptacle, Single Gang, Heavy Duty Die Cast Aluminum Weatherproof Cover With Self Closing Lid (Pass & Seymour Legrand® 4510).....	55.20	0.77
	<b>26 27 26 00-0297</b>			<b>Polycarbonate Weatherproof Covers</b> <small>(26 27 26 00-0263)</small>		
				Note: Includes neoprene gasket.		
	26 27 26 00-0298	EA		Toggle Switch, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730).....	11.38	0.77
	26 27 26 00-0299	EA		Duplex Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	11.38	0.77
	26 27 26 00-0300	EA		Single Receptacle, Single Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5730) .....	11.38	0.77
	26 27 26 00-0301	EA		Duplex Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	14.16	1.16
	26 27 26 00-0302	EA		Toggle Switch And Single Receptacle, Two Gang, Polycarbonate Weatherproof Cover With Tinted Lid (Bell® 5775) .....	14.16	1.16
	<b>26 27 26 00-0303</b>			<b>High Impact Thermoplastic Weatherproof Covers</b> <small>(26 27 26 00-0263)</small>		
				Note: Includes neoprene gasket.		
	26 27 26 00-0304	EA		Duplex Receptacle, Single Gang, High Impact Thermoplastic Weatherproof Cover With Self Closing Lid (Hubbell® HBL522) .....	94.33	0.77
	<b>26 27 26 00-0305</b>			<b>Non-Metallic (PVC) Weatherproof Covers</b> <small>(26 27 26 00-0263)</small>		
				Note: Includes neoprene gasket.		
	26 27 26 00-0306	EA		Blank Cover, Single Gang, Non-Metallic (PVC) Weatherproof Cover.....	12.90	0.77
	26 27 26 00-0307	EA		Blank Cover, Two Gang, Non-Metallic (PVC) Weatherproof Cover .....	14.02	1.15
	26 27 26 00-0308	EA		Toggle Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	12.94	0.77
	26 27 26 00-0309	EA		Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	28.09	0.77
	26 27 26 00-0310	EA		Duplex Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	32.50	0.77
	26 27 26 00-0311	EA		20 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	26.41	0.77
	26 27 26 00-0312	EA		30 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	19.77	0.77
	26 27 26 00-0313	EA		50 Amperes, Receptacle, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	23.08	0.77
	26 27 26 00-0314	EA		Plunger Switch, Single Gang, Non-Metallic (PVC) Weatherproof Cover .....	20.68	0.77
	26 27 26 00-0315	EA		Double Duplex Receptacle, Two Gang, Non-Metallic (PVC) Weatherproof Cover .....	29.80	1.15
	<b>26 27 26 00-0316</b>			<b>Removal And Reinstallation Of Wiring Devices</b> <small>(26 27 26)</small>		
				Note: Includes storage and cleaning.		
	26 27 26 00-0317	EA		Removal And Reinstallation Of Receptacle, Switch, Outlet Or Special System Device.....	101.41	
	26 27 26 00-0318	EA		Removal And Reinstallation Of Receptacle Or Switch Outlet Cover Plate .....	12.84	
	<b>26 27 26 00-0319</b>			<b>Relay Systems</b> <small>(26 27 26)</small>		
	26 27 26 00-0320	EA		10 Amperes, 24 Volt Coil, 2 Position Relay .....	110.45	34.68
	26 27 26 00-0321	EA		20 Amperes, 120 Volt Coil, Up To 4 Contacts, Industrial Control Relay .....	456.76	115.61
	26 27 26 00-0322	EA		20 Amperes, 120 Volt Coil, 12 Contacts, Industrial Control Relay .....	759.74	154.14
	<b>26 27 26 00-0323</b>			<b>Limit Switches</b> <small>(26 27 26)</small>		
	<b>26 27 26 00-0324</b>			<b>Heavy Duty Precision Oiltight</b> <small>(26 27 26 00-0323)</small>		
	<b>26 27 26 00-0325</b>			<b>Lever Arm, Plunger, Wobble Stick Type</b> <small>(26 27 26 00-0324)</small>		
	26 27 26 00-0326	EA		Limit Switch, Heavy Duty, Lever Arm Weatherproof, 10 Amperes Rated .....	406.70	97.11
	<b>26 27 26 00-0327</b>			<b>In Line Midget Fuseholders</b> <small>(26 27 26)</small>		
				See CSI section 26 28 13 00-0078 for fuses.		
	26 27 26 00-0328	EA		Single Pole Water Resistant In Line Midget Fuseholder .....	103.92	
	26 27 26 00-0329	EA		Double Pole Water Resistant In Line Midget Fuseholder .....	227.50	
	<b>26 27 33</b>			<b>Power Distribution Units</b> <small>(26 27)</small>		
	<b>26 27 33 00-0001</b>			<b>Liebert Precision Power Center</b> <small>(26 27 33)</small>		
				Note: With K20 Trans Spike Suppression Modules Lighting/Surge Arrestors. Includes start-up.		
	26 27 33 00-0002	EA		PDU 15 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC015C) .....	21,933.53	474.00
	26 27 33 00-0003	EA		PDU 30 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC030C) .....	26,466.49	513.76

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 27 Low-Voltage Distribution Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 27 33 00-0004	EA	PDU 50 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC050C)	30,158.22	570.34
26 27 33 00-0005	EA	PDU 75 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC075C)	34,687.87	616.58
26 27 33 00-0006	EA	PDU 100 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC100C)	37,880.19	770.72
26 27 33 00-0007	EA	PDU 125 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC125C)	42,514.51	924.87
26 27 33 00-0008	EA	PDU 150 KVA, 208/480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC150C)	49,057.40	1,079.01
26 27 33 00-0009	EA	PDU 200 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC200C)	51,613.52	1,233.16
26 27 33 00-0010	EA	PDU 225 KVA, 480/600 Input Voltage, 120/208 Output Voltage (Liebert PPC225C)	54,551.37	1,387.31
26 27 33 00-0011	EA	Ex Panelboard 10-30 KVA	1,979.33	154.14
26 27 33 00-0012	EA	Ex Panelboard 50-125 KVA	2,947.05	192.68
26 27 33 00-0013	EA	Ex Panelboard 150-220 KVA	6,586.76	231.21
26 27 33 00-0014	EA	Removal And Reinstallation Of Power Distribution Unit Note: Includes disconnection / reconnection of branch circuits, storage and cleaning.	2,466.31	
26 27 33 00-0015	EA	Start-Up Liebert Power Distribution Unit Line Item Applies To A Relocation Only	1,849.73	

**26 28 Low-Voltage Circuit Protective Devices** (26 20)**26 28 13 Fuses** (26 28)**26 28 13 00-0001 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuses** (26 28 13)

26 28 13 00-0002	EA	1 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.93 7.40	11.10
26 28 13 00-0003	EA	2 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	34.12 7.40	11.10
26 28 13 00-0004	EA	3 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.00 7.40	11.10
26 28 13 00-0005	EA	5 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	32.85 7.40	11.10
26 28 13 00-0006	EA	6 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.89 7.40	11.10
26 28 13 00-0007	EA	8 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.85 7.40	11.10
26 28 13 00-0008	EA	10 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	31.37 7.40	11.10
26 28 13 00-0009	EA	15 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.41 7.40	11.10
26 28 13 00-0010	EA	20 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	26.81 7.40	11.10
26 28 13 00-0011	EA	25 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.96 7.40	11.10
26 28 13 00-0012	EA	30 Amperes, 125 Volt AC, Type T Dual Element, Time Delay, Edison Base Plug Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.16 7.40	11.10

**26 28 13 00-0013 Class RK1, Time Delay Fuses** (26 28 13)**26 28 13 00-0014 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuses** (26 28 13 00-0013)

26 28 13 00-0015	EA	1 Ampere, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	54.42 7.40	11.10
26 28 13 00-0016	EA	2 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.83 7.40	11.10
26 28 13 00-0017	EA	3 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.33 7.40	11.10
26 28 13 00-0018	EA	4 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	53.00 7.40	11.10
26 28 13 00-0019	EA	5 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.50 7.40	11.10
26 28 13 00-0020	EA	10 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	49.01 7.40	11.10
26 28 13 00-0021	EA	15 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.04 7.40	11.10
26 28 13 00-0022	EA	20 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.74 7.40	11.10
26 28 13 00-0023	EA	25 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	45.07 7.40	11.10
26 28 13 00-0024	EA	30 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	44.66 7.40	11.10
26 28 13 00-0025	EA	35 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.54 7.40	11.10
26 28 13 00-0026	EA	40 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.34 7.40	11.10
26 28 13 00-0027	EA	45 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.24 7.40	11.10
26 28 13 00-0028	EA	50 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.50 7.40	11.10
26 28 13 00-0029	EA	60 Amperes, 250 Volt AC, 200 kAmp I.R., Ferrule Type, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.42 7.40	11.10

**26 28 13 00-0030 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuses** (26 28 13 00-0013)

26 28 13 00-0031	EA	70 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.40 9.25	13.88
26 28 13 00-0032	EA	80 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	109.80 9.25	13.88
26 28 13 00-0033	EA	90 Amperes, 250 Volt AC, 200 kAmp I.R., BladeType, Class RK1, Time Delay Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	121.92 9.25	13.88







**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 13 00-0076	EA		500 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,095.02 18.50	27.74
26 28 13 00-0077	EA		600 Amperes, 600 Volt AC, 200 kAmp I.R., Blade Type, Class RK1, Time Delay Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	955.31 18.50	27.74
<b>26 28 13 00-0078</b>			<b>600 Volt AC, Class CC Midget Fuses</b> <small>(26 28 13)</small> Note: 250/300 Volt DC.		
26 28 13 00-0079	EA		1 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.57 7.40	11.10
26 28 13 00-0080	EA		2 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.52 7.40	11.10
26 28 13 00-0081	EA		3 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	63.25 7.40	11.10
26 28 13 00-0082	EA		5 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.95 7.40	11.10
26 28 13 00-0083	EA		6 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	67.43 7.40	11.10
26 28 13 00-0084	EA		8 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.26 7.40	11.10
26 28 13 00-0085	EA		10 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	68.68 7.40	11.10
26 28 13 00-0086	EA		15 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	62.98 7.40	11.10
26 28 13 00-0087	EA		20 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.81 7.40	11.10
26 28 13 00-0088	EA		25 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	59.12 7.40	11.10
26 28 13 00-0089	EA		30 Amperes, 600 Volt AC, Class CC Midget Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	61.40 7.40	11.10
<b>26 28 13 00-0090</b>			<b>200,000 Ampere Interrupting Capacity, 600 Volt AC, Class J Bolted Fuse</b> <small>(26 28 13)</small>		
26 28 13 00-0091	EA		1 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	80.45 4.63	7.71
26 28 13 00-0092	EA		3 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	81.07 4.63	7.71
26 28 13 00-0093	EA		6 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	70.00 5.55	9.24
26 28 13 00-0094	EA		10 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.62 6.94	11.56
26 28 13 00-0095	EA		15 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.11 6.94	11.56
26 28 13 00-0096	EA		20 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.78 6.94	11.56
26 28 13 00-0097	EA		25 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	88.90 9.25	15.41
26 28 13 00-0098	EA		30 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	73.98 9.25	15.41
26 28 13 00-0099	EA		35 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	129.67 9.25	15.41
26 28 13 00-0100	EA		40 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.48 9.25	15.41
26 28 13 00-0101	EA		45 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	126.73 9.25	15.41
26 28 13 00-0102	EA		50 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	112.37 11.56	19.27
26 28 13 00-0103	EA		60 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	110.31 11.56	19.27
26 28 13 00-0104	EA		70 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	171.45 13.88	23.12
26 28 13 00-0105	EA		80 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	182.83 13.88	23.12
26 28 13 00-0106	EA		90 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	179.92 13.88	23.12
26 28 13 00-0107	EA		100 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	157.43 16.19	26.97
26 28 13 00-0108	EA		110 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	369.81 16.19	26.97
26 28 13 00-0109	EA		125 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	314.15 16.19	26.97
26 28 13 00-0110	EA		150 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	299.39 18.50	30.83
26 28 13 00-0111	EA		175 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	303.82 18.50	30.83
26 28 13 00-0112	EA		200 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	252.05 18.50	30.83
26 28 13 00-0113	EA		225 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	639.21 18.50	30.83
26 28 13 00-0114	EA		250 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	590.89 18.50	30.83
26 28 13 00-0115	EA		300 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	544.40 18.50	30.83
26 28 13 00-0116	EA		350 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	593.88 18.50	30.83
26 28 13 00-0117	EA		400 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse..... <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	489.98 20.81	34.68

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 13 00-0118	EA			450 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,042.10 20.81	34.68
26 28 13 00-0119	EA			500 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	884.20 23.12	38.54
26 28 13 00-0120	EA			600 Amperes, 600 Volt AC, 200 kAmp I.R., Class J Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	657.38 23.12	38.54

**26 28 13 00-0121 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuses** (26 28 13)

26 28 13 00-0122	EA			100 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,995.41 11.56	19.27
26 28 13 00-0123	EA			150 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,999.35 11.56	19.27
26 28 13 00-0124	EA			200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,003.02 11.56	19.27
26 28 13 00-0125	EA			250 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,996.62 13.87	23.12
26 28 13 00-0126	EA			300 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,838.87 13.87	23.12
26 28 13 00-0127	EA			350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,967.64 16.19	26.97
26 28 13 00-0128	EA			400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,811.03 16.19	26.97
26 28 13 00-0129	EA			450 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,025.50 16.19	26.97
26 28 13 00-0130	EA			500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,985.98 16.19	26.97
26 28 13 00-0131	EA			600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,766.54 18.50	30.83
26 28 13 00-0132	EA			601 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,814.07 18.50	30.83
26 28 13 00-0133	EA			650 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,411.48 18.50	30.83
26 28 13 00-0134	EA			700 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,757.92 18.50	30.83
26 28 13 00-0135	EA			750 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,698.98 20.81	34.68
26 28 13 00-0136	EA			800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,555.10 20.81	34.68
26 28 13 00-0137	EA			900 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,270.32 20.81	34.68
26 28 13 00-0138	EA			1,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,528.96 20.81	34.68
26 28 13 00-0139	EA			1,200 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,574.42 20.81	34.68
26 28 13 00-0140	EA			1,350 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,498.41 20.81	34.68
26 28 13 00-0141	EA			1,400 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,449.28 20.81	34.68
26 28 13 00-0142	EA			1,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,112.17 20.81	34.68
26 28 13 00-0143	EA			1,600 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	1,945.08 23.12	38.54
26 28 13 00-0144	EA			1,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	4,120.47 23.12	38.54
26 28 13 00-0145	EA			2,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	2,638.48 23.12	38.54
26 28 13 00-0146	EA			2,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,566.23 23.12	38.54
26 28 13 00-0147	EA			2,501 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	6,074.02 23.12	38.54
26 28 13 00-0148	EA			3,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	3,975.56 25.43	42.39
26 28 13 00-0149	EA			3,500 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,219.29 25.43	42.39
26 28 13 00-0150	EA			3,800 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	9,536.90 25.43	42.39
26 28 13 00-0151	EA			4,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	5,515.46 25.43	42.39
26 28 13 00-0152	EA			5,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	8,703.09 25.43	42.39
26 28 13 00-0153	EA			6,000 Amperes, 600 Volt AC, 200 kAmp I.R., Class L Bolted Fuse <i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	14,405.73 25.43	42.39

**26 28 16 Enclosed Switches and Circuit Breakers** (26 28)

**26 28 16 13 Enclosed Circuit Breakers** (26 28 16)

**26 28 16 13-0001 Branch Circuit Breakers** (26 28 16 13)

Note: For installation in existing and new panelboards. Use task modifier for installation in new panelboards.

**26 28 16 13-0002 Branch Circuit Breakers 10,000 Amperes Interrupting Capacity, Plug-On** (26 28 16 13-0001)

Note: Includes connection of electrical wire.

26 28 16 13-0003	EA			1 Pole, 120/240 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity <i>For Bolt-On, Add</i>	70.86 19.65	27.74
				<i>For Installation In New Panelboard, Deduct</i>	-15.42	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	

## 26 Electrical

## 26 20 Low-Voltage Electrical Distribution

## 26 28 Low-Voltage Circuit Protective Devices

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 28 16 13-0004	EA	1 Pole, 120/240 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	70.86	27.74
		<i>For Bolt-On, Add</i>	19.65	
		<i>For Installation In New Panelboard, Deduct</i>	-15.42	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0005	EA	1 Pole, 120/240 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	98.29	34.68
		<i>For Bolt-On, Add</i>	25.77	
		<i>For Installation In New Panelboard, Deduct</i>	-19.27	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0006	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	134.77	34.68
		<i>For Bolt-On, Add</i>	30.33	
		<i>For Installation In New Panelboard, Deduct</i>	-19.27	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0007	EA	1 Pole GFI, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	176.48	34.68
		<i>For Bolt-On, Add</i>	35.55	
		<i>For Installation In New Panelboard, Deduct</i>	-19.27	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0008	EA	1 Pole GFI, 15 To 30 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	200.27	34.68
		<i>For Bolt-On, Add</i>	38.52	
		<i>For Installation In New Panelboard, Deduct</i>	-19.27	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0009	EA	1 Pole GFI, 15 To 20 Amperes, 120/240 Volt, "Arc Fault" Circuit Breaker, 10,000 Amperes Interrupting Capacity	111.79	34.68
		<i>For Bolt-On, Add</i>	27.46	
		<i>For Installation In New Panelboard, Deduct</i>	-19.27	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0010	EA	2 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	113.71	41.62
		<i>For Bolt-On, Add</i>	30.40	
		<i>For Installation In New Panelboard, Deduct</i>	-23.12	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0011	EA	2 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	113.71	41.62
		<i>For Bolt-On, Add</i>	30.40	
		<i>For Installation In New Panelboard, Deduct</i>	-23.12	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0012	EA	2 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	165.75	55.49
		<i>For Bolt-On, Add</i>	42.30	
		<i>For Installation In New Panelboard, Deduct</i>	-30.83	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0013	EA	2 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	256.72	69.36
		<i>For Bolt-On, Add</i>	59.06	
		<i>For Installation In New Panelboard, Deduct</i>	-38.54	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0014	EA	2 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	298.30	77.07
		<i>For Bolt-On, Add</i>	66.96	
		<i>For Installation In New Panelboard, Deduct</i>	-42.39	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.87	
26 28 16 13-0015	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	241.29	49.33
		<i>For Bolt-On, Add</i>	49.58	
		<i>For Installation In New Panelboard, Deduct</i>	-27.75	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.29	
26 28 16 13-0016	EA	2 Pole GFI, 15 To 50 Amperes, 120/240 Volt, UL Listed 30mA Equipment Protection Circuit Breaker, 10,000 Amperes Interrupting Capacity	309.52	49.33
		<i>For Bolt-On, Add</i>	58.11	
		<i>For Installation In New Panelboard, Deduct</i>	-27.75	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	33.29	
26 28 16 13-0017	EA	3 Pole, 15 To 30 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	197.58	55.49
		<i>For Bolt-On, Add</i>	46.28	
		<i>For Installation In New Panelboard, Deduct</i>	-30.83	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0018	EA	3 Pole, 35 To 60 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	197.58	55.49
		<i>For Bolt-On, Add</i>	46.28	
		<i>For Installation In New Panelboard, Deduct</i>	-30.83	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0019	EA	3 Pole, 70 To 100 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	256.31	69.36
		<i>For Bolt-On, Add</i>	59.01	
		<i>For Installation In New Panelboard, Deduct</i>	-38.54	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0020	EA	3 Pole, 110 To 125 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity	370.59	83.24
		<i>For Bolt-On, Add</i>	78.69	
		<i>For Installation In New Panelboard, Deduct</i>	-46.24	
		<i>Note: Also for use with new interiors in panelboards.</i>		
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 13-0021	EA		3 Pole, 150 Amperes, 120/240 Volt, Branch Circuit Breaker, 10,000 Amperes Interrupting Capacity ..... 465.62		97.11
				<i>For Bolt-On, Add</i> ..... 95.97		
				<i>For Installation In New Panelboard, Deduct</i> ..... -53.95		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 64.74		
	<b>26 28 16 13-0022</b>			<b>Branch Circuit Breakers 14,000 Amperes Interrupting Capacity, Plug-On</b> <sup>(26 28)</sup>		
				<sup>16 13-0001</sup> <i>Note: Includes connection of electrical wire.</i>		
	26 28 16 13-0023	EA		1 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 92.47		27.74
				<i>For Bolt-On, Add</i> ..... 22.35		
				<i>For Installation In New Panelboard, Deduct</i> ..... -15.42		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 18.50		
	26 28 16 13-0024	EA		1 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 92.47		27.74
				<i>For Bolt-On, Add</i> ..... 22.35		
				<i>For Installation In New Panelboard, Deduct</i> ..... -15.42		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 18.50		
	26 28 16 13-0025	EA		1 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 153.54		34.68
				<i>For Bolt-On, Add</i> ..... 32.68		
				<i>For Installation In New Panelboard, Deduct</i> ..... -19.27		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 23.12		
	26 28 16 13-0026	EA		1 Pole GFI, 277/480 Volt, 15 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 223.68		34.68
				<i>For Bolt-On, Add</i> ..... 41.45		
				<i>For Installation In New Panelboard, Deduct</i> ..... -19.27		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 23.12		
	26 28 16 13-0027	EA		2 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 170.61		41.62
				<i>For Bolt-On, Add</i> ..... 37.51		
				<i>For Installation In New Panelboard, Deduct</i> ..... -23.12		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 27.75		
	26 28 16 13-0028	EA		2 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 170.61		41.62
				<i>For Bolt-On, Add</i> ..... 37.51		
				<i>For Installation In New Panelboard, Deduct</i> ..... -23.12		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 27.75		
	26 28 16 13-0029	EA		2 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 315.25		55.49
				<i>For Bolt-On, Add</i> ..... 60.99		
				<i>For Installation In New Panelboard, Deduct</i> ..... -30.83		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 36.99		
	26 28 16 13-0030	EA		2 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 424.61		69.36
				<i>For Bolt-On, Add</i> ..... 80.05		
				<i>For Installation In New Panelboard, Deduct</i> ..... -38.54		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 46.24		
	26 28 16 13-0031	EA		2 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 603.89		77.07
				<i>For Bolt-On, Add</i> ..... 105.16		
				<i>For Installation In New Panelboard, Deduct</i> ..... -42.39		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 50.87		
	26 28 16 13-0032	EA		3 Pole, 277/480 Volt, 15 To 30 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 263.60		55.49
				<i>For Bolt-On, Add</i> ..... 54.53		
				<i>For Installation In New Panelboard, Deduct</i> ..... -30.83		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 36.99		
	26 28 16 13-0033	EA		3 Pole, 277/480 Volt, 35 To 60 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 263.60		55.49
				<i>For Bolt-On, Add</i> ..... 54.53		
				<i>For Installation In New Panelboard, Deduct</i> ..... -30.83		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 36.99		
	26 28 16 13-0034	EA		3 Pole, 277/480 Volt, 70 To 100 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 383.56		69.36
				<i>For Bolt-On, Add</i> ..... 74.92		
				<i>For Installation In New Panelboard, Deduct</i> ..... -38.54		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 46.24		
	26 28 16 13-0035	EA		3 Pole, 277/480 Volt, 110 To 125 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 533.58		83.24
				<i>For Bolt-On, Add</i> ..... 99.07		
				<i>For Installation In New Panelboard, Deduct</i> ..... -46.24		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 55.49		
	26 28 16 13-0036	EA		3 Pole, 277/480 Volt, 150 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 801.33		97.11
				<i>For Bolt-On, Add</i> ..... 137.93		
				<i>For Installation In New Panelboard, Deduct</i> ..... -53.95		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 64.74		
	26 28 16 13-0037	EA		3 Pole, 277/480 Volt, 175 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 918.45		104.05
				<i>For Bolt-On, Add</i> ..... 155.27		
				<i>For Installation In New Panelboard, Deduct</i> ..... -57.80		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 69.36		
	26 28 16 13-0038	EA		3 Pole, 277/480 Volt, 200 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity ..... 986.10		110.98
				<i>For Bolt-On, Add</i> ..... 166.42		
				<i>For Installation In New Panelboard, Deduct</i> ..... -61.66		
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i> ..... 73.99		



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0039	EA		3 Pole, 277/480 Volt, 225 Amperes, Branch Circuit Breaker, 14,000 Amperes Interrupting Capacity .....	1,156.37	117.92
			<i>For Bolt-On, Add</i>	190.40	
			<i>For Installation In New Panelboard, Deduct</i>	-65.51	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	78.61	
<b>26 28 16 13-0040</b>			<b>Branch Circuit Breakers 18,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28</sup></b>		
			<b><sup>16 13-0001)</sup></b>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0041	EA		15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	106.67	27.74
			<i>For Bolt-On, Add</i>	24.12	
			<i>For Installation In New Panelboard, Deduct</i>	-15.42	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0042	EA		35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	106.67	27.74
			<i>For Bolt-On, Add</i>	24.12	
			<i>For Installation In New Panelboard, Deduct</i>	-15.42	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0043	EA		70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	167.57	34.68
			<i>For Bolt-On, Add</i>	34.43	
			<i>For Installation In New Panelboard, Deduct</i>	-19.27	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0044	EA		15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	207.63	41.62
			<i>For Bolt-On, Add</i>	42.14	
			<i>For Installation In New Panelboard, Deduct</i>	-23.12	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0045	EA		35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	207.63	41.62
			<i>For Bolt-On, Add</i>	42.14	
			<i>For Installation In New Panelboard, Deduct</i>	-23.12	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0046	EA		70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	350.75	55.49
			<i>For Bolt-On, Add</i>	65.42	
			<i>For Installation In New Panelboard, Deduct</i>	-30.83	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0047	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	843.11	69.36
			<i>For Bolt-On, Add</i>	132.36	
			<i>For Installation In New Panelboard, Deduct</i>	-38.54	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0048	EA		15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	324.69	55.49
			<i>For Bolt-On, Add</i>	62.17	
			<i>For Installation In New Panelboard, Deduct</i>	-30.83	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0049	EA		35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	324.69	55.49
			<i>For Bolt-On, Add</i>	62.17	
			<i>For Installation In New Panelboard, Deduct</i>	-30.83	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0050	EA		70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	428.02	69.36
			<i>For Bolt-On, Add</i>	80.48	
			<i>For Installation In New Panelboard, Deduct</i>	-38.54	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0051	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 18,000 Amperes Interrupting Capacity .....	1,041.67	83.24
			<i>For Bolt-On, Add</i>	162.58	
			<i>For Installation In New Panelboard, Deduct</i>	-46.24	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	
<b>26 28 16 13-0052</b>			<b>Branch Circuit Breakers 22,000 Amperes Interrupting Capacity, Plug-On <sup>(26 28</sup></b>		
			<b><sup>16 13-0001)</sup></b>		
			<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0053	EA		15 To 30 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	118.73	27.74
			<i>For Bolt-On, Add</i>	25.63	
			<i>For Installation In New Panelboard, Deduct</i>	-15.42	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0054	EA		35 To 60 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	118.73	27.74
			<i>For Bolt-On, Add</i>	25.63	
			<i>For Installation In New Panelboard, Deduct</i>	-15.42	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0055	EA		70 To 100 Amperes, 1 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	141.47	34.68
			<i>For Bolt-On, Add</i>	31.17	
			<i>For Installation In New Panelboard, Deduct</i>	-19.27	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0056	EA		15 To 30 Amperes, 1 Pole GFI, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	222.07	34.68
			<i>For Bolt-On, Add</i>	41.25	
			<i>For Installation In New Panelboard, Deduct</i>	-19.27	
			<i>Note: Also for use with new interiors in panelboards.</i>		
			<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 13-0057	EA		15 To 30 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	239.10	41.62
				<i>For Bolt-On, Add</i>	46.07	
				<i>For Installation In New Panelboard, Deduct</i>	-23.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
	26 28 16 13-0058	EA		35 To 60 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	239.10	41.62
				<i>For Bolt-On, Add</i>	46.07	
				<i>For Installation In New Panelboard, Deduct</i>	-23.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
	26 28 16 13-0059	EA		70 To 100 Amperes, 2 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	293.74	55.49
				<i>For Bolt-On, Add</i>	58.30	
				<i>For Installation In New Panelboard, Deduct</i>	-30.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
	26 28 16 13-0060	EA		110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	415.42	69.36
				<i>For Bolt-On, Add</i>	78.90	
				<i>For Installation In New Panelboard, Deduct</i>	-38.54	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
	26 28 16 13-0061	EA		150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	527.18	77.07
				<i>For Bolt-On, Add</i>	95.57	
				<i>For Installation In New Panelboard, Deduct</i>	-42.39	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.87	
	26 28 16 13-0062	EA		250 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	654.36	90.18
				<i>For Bolt-On, Add</i>	116.86	
				<i>For Installation In New Panelboard, Deduct</i>	-50.10	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.12	
	26 28 16 13-0063	EA		300 To 400 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	711.10	104.05
				<i>For Bolt-On, Add</i>	129.35	
				<i>For Installation In New Panelboard, Deduct</i>	-57.80	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.36	
	26 28 16 13-0064	EA		15 To 30 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	294.27	55.49
				<i>For Bolt-On, Add</i>	58.36	
				<i>For Installation In New Panelboard, Deduct</i>	-30.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
	26 28 16 13-0065	EA		35 To 60 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	294.27	55.49
				<i>For Bolt-On, Add</i>	58.36	
				<i>For Installation In New Panelboard, Deduct</i>	-30.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
	26 28 16 13-0066	EA		70 To 100 Amperes, 3 Pole, 120/240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	348.40	69.36
				<i>For Bolt-On, Add</i>	70.52	
				<i>For Installation In New Panelboard, Deduct</i>	-38.54	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
	26 28 16 13-0067	EA		110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	512.75	83.24
				<i>For Bolt-On, Add</i>	96.46	
				<i>For Installation In New Panelboard, Deduct</i>	-46.24	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	
	26 28 16 13-0068	EA		150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	671.68	107.90
				<i>For Bolt-On, Add</i>	125.77	
				<i>For Installation In New Panelboard, Deduct</i>	-59.73	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.68	
	26 28 16 13-0069	EA		250 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	823.85	124.86
				<i>For Bolt-On, Add</i>	151.54	
				<i>For Installation In New Panelboard, Deduct</i>	-69.37	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
	26 28 16 13-0070	EA		300 To 400 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 22,000 Amperes Interrupting Capacity .....	875.39	132.57
				<i>For Bolt-On, Add</i>	160.68	
				<i>For Installation In New Panelboard, Deduct</i>	-73.22	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.86	
	26 28 16 13-0071			<b>Branch Circuit Breakers 25,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
				<i>Note: Includes connection of electrical wire.</i>		
	26 28 16 13-0072	EA		15 To 30 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	246.96	41.62
				<i>For Bolt-On, Add</i>	47.06	
				<i>For Installation In New Panelboard, Deduct</i>	-23.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
	26 28 16 13-0073	EA		35 To 60 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	246.96	41.62
				<i>For Bolt-On, Add</i>	47.06	
				<i>For Installation In New Panelboard, Deduct</i>	-23.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
	26 28 16 13-0074	EA		70 To 100 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	369.74	55.49
				<i>For Bolt-On, Add</i>	67.80	
				<i>For Installation In New Panelboard, Deduct</i>	-30.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 28 16 13-0075	EA 110 To 125 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	585.25	69.36
	<i>For Bolt-On, Add</i>	100.13	
	<i>For Installation In New Panelboard, Deduct</i>	-38.54	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0076	EA 150 To 225 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	895.91	86.33
	<i>For Bolt-On, Add</i>	145.71	
	<i>For Installation In New Panelboard, Deduct</i>	-48.17	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.80	
26 28 16 13-0077	EA 250 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,009.55	90.18
	<i>For Bolt-On, Add</i>	161.26	
	<i>For Installation In New Panelboard, Deduct</i>	-50.10	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.12	
26 28 16 13-0078	EA 300 To 400 Amperes, 2 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,107.17	104.05
	<i>For Bolt-On, Add</i>	178.86	
	<i>For Installation In New Panelboard, Deduct</i>	-57.80	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.36	
26 28 16 13-0079	EA 15 To 30 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	351.71	55.49
	<i>For Bolt-On, Add</i>	65.54	
	<i>For Installation In New Panelboard, Deduct</i>	-30.83	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0080	EA 35 To 60 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	351.71	55.49
	<i>For Bolt-On, Add</i>	65.54	
	<i>For Installation In New Panelboard, Deduct</i>	-30.83	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0081	EA 70 To 100 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	442.64	69.36
	<i>For Bolt-On, Add</i>	82.30	
	<i>For Installation In New Panelboard, Deduct</i>	-38.54	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0082	EA 110 To 125 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	725.81	83.24
	<i>For Bolt-On, Add</i>	123.10	
	<i>For Installation In New Panelboard, Deduct</i>	-46.24	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	
26 28 16 13-0083	EA 150 To 225 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,050.34	107.90
	<i>For Bolt-On, Add</i>	173.10	
	<i>For Installation In New Panelboard, Deduct</i>	-59.73	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.68	
26 28 16 13-0084	EA 250 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,239.10	124.86
	<i>For Bolt-On, Add</i>	203.44	
	<i>For Installation In New Panelboard, Deduct</i>	-69.37	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
26 28 16 13-0085	EA 300 To 400 Amperes, 3 Pole, 240/480 Volt, Branch Circuit Breaker, 25,000 Amperes Interrupting Capacity .....	1,338.17	132.57
	<i>For Bolt-On, Add</i>	218.52	
	<i>For Installation In New Panelboard, Deduct</i>	-73.22	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.86	
26 28 16 13-0086	<b>Branch Circuit Breakers 30,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>		
	<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0087	EA 2 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	254.77	41.62
	<i>For Bolt-On, Add</i>	48.03	
	<i>For Installation In New Panelboard, Deduct</i>	-23.12	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0088	EA 2 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	254.77	41.62
	<i>For Bolt-On, Add</i>	48.03	
	<i>For Installation In New Panelboard, Deduct</i>	-23.12	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0089	EA 2 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	441.87	55.49
	<i>For Bolt-On, Add</i>	76.81	
	<i>For Installation In New Panelboard, Deduct</i>	-30.83	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0090	EA 2 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	785.24	69.36
	<i>For Bolt-On, Add</i>	125.13	
	<i>For Installation In New Panelboard, Deduct</i>	-38.54	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0091	EA 2 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,226.49	86.33
	<i>For Bolt-On, Add</i>	187.03	
	<i>For Installation In New Panelboard, Deduct</i>	-48.17	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.80	
26 28 16 13-0092	EA 2 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity .....	1,389.75	90.18
	<i>For Bolt-On, Add</i>	208.79	
	<i>For Installation In New Panelboard, Deduct</i>	-50.10	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	60.12	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 13-0093	EA			2 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity ..... 1,517.46		104.05
				<i>For Bolt-On, Add</i>	230.14	
				<i>For Installation In New Panelboard, Deduct</i>	-57.80	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	69.36	
26 28 16 13-0094	EA			3 Pole, 240/480 Volt, 15-30 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity ..... 405.80		55.49
				<i>For Bolt-On, Add</i>	72.30	
				<i>For Installation In New Panelboard, Deduct</i>	-30.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0095	EA			3 Pole, 240/480 Volt, 35-60 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity ..... 405.80		55.49
				<i>For Bolt-On, Add</i>	72.30	
				<i>For Installation In New Panelboard, Deduct</i>	-30.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0096	EA			3 Pole, 240/480 Volt, 70-100 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity ..... 536.41		69.36
				<i>For Bolt-On, Add</i>	94.03	
				<i>For Installation In New Panelboard, Deduct</i>	-38.54	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0097	EA			3 Pole, 240/480 Volt, 110-125 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity ..... 954.31		83.24
				<i>For Bolt-On, Add</i>	151.66	
				<i>For Installation In New Panelboard, Deduct</i>	-46.24	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	
26 28 16 13-0098	EA			3 Pole, 240/480 Volt, 150-225 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity ..... 1,207.42		107.90
				<i>For Bolt-On, Add</i>	192.74	
				<i>For Installation In New Panelboard, Deduct</i>	-59.73	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.68	
26 28 16 13-0099	EA			3 Pole, 240/480 Volt, 250 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity ..... 1,891.89		124.86
				<i>For Bolt-On, Add</i>	285.04	
				<i>For Installation In New Panelboard, Deduct</i>	-69.37	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	83.24	
26 28 16 13-0100	EA			3 Pole, 240/480 Volt, 300-400 Amperes, Branch Circuit Breaker, 30,000 Amperes Interrupting Capacity ..... 2,014.05		132.57
				<i>For Bolt-On, Add</i>	303.01	
				<i>For Installation In New Panelboard, Deduct</i>	-73.22	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	87.86	
26 28 16 13-0101				<b>Branch Circuit Breakers 35,000 Amperes Interrupting Capacity, Plug-On</b> <sup>(26 28 16 13-0001)</sup>		
				<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0102	EA			1 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 138.42		27.74
				<i>For Bolt-On, Add</i>	28.09	
				<i>For Installation In New Panelboard, Deduct</i>	-15.42	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0103	EA			1 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 138.42		27.74
				<i>For Bolt-On, Add</i>	28.09	
				<i>For Installation In New Panelboard, Deduct</i>	-15.42	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0104	EA			1 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 229.65		34.68
				<i>For Bolt-On, Add</i>	42.19	
				<i>For Installation In New Panelboard, Deduct</i>	-19.27	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0105	EA			2 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 286.76		41.62
				<i>For Bolt-On, Add</i>	52.03	
				<i>For Installation In New Panelboard, Deduct</i>	-23.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0106	EA			2 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 286.76		41.62
				<i>For Bolt-On, Add</i>	52.03	
				<i>For Installation In New Panelboard, Deduct</i>	-23.12	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0107	EA			2 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 508.07		55.49
				<i>For Bolt-On, Add</i>	85.09	
				<i>For Installation In New Panelboard, Deduct</i>	-30.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0108	EA			2 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 917.47		69.36
				<i>For Bolt-On, Add</i>	141.66	
				<i>For Installation In New Panelboard, Deduct</i>	-38.54	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0109	EA			2 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 1,748.77		86.33
				<i>For Bolt-On, Add</i>	252.32	
				<i>For Installation In New Panelboard, Deduct</i>	-48.17	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.80	
26 28 16 13-0110	EA			3 Pole, 480 Volt, 15-30 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity ..... 463.53		55.49
				<i>For Bolt-On, Add</i>	79.52	
				<i>For Installation In New Panelboard, Deduct</i>	-30.83	
				<i>Note: Also for use with new interiors in panelboards.</i>		
				<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 28 Low-Voltage Circuit Protective Devices**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 28 16 13-0111	EA 3 Pole, 480 Volt, 35-60 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	463.53	55.49
	<i>For Bolt-On, Add</i>	79.52	
	<i>For Installation In New Panelboard, Deduct</i>	-30.83	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0112	EA 3 Pole, 480 Volt, 70-100 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	616.61	69.36
	<i>For Bolt-On, Add</i>	104.05	
	<i>For Installation In New Panelboard, Deduct</i>	-38.54	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0113	EA 3 Pole, 480 Volt, 110-125 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	1,128.62	83.24
	<i>For Bolt-On, Add</i>	173.45	
	<i>For Installation In New Panelboard, Deduct</i>	-46.24	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	
26 28 16 13-0114	EA 3 Pole, 480 Volt, 150-225 Amperes, Branch Circuit Breaker, 35,000 Amperes Interrupting Capacity .....	2,174.09	107.90
	<i>For Bolt-On, Add</i>	313.57	
	<i>For Installation In New Panelboard, Deduct</i>	-59.73	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.68	
26 28 16 13-0115	<b>Branch Circuit Breakers 42,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28</small>		
	<small>16 13-0001)</small>		
	<i>Note: Includes connection of electrical wire.</i>		
26 28 16 13-0116	EA 15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	193.89	27.74
	<i>For Bolt-On, Add</i>	35.03	
	<i>For Installation In New Panelboard, Deduct</i>	-15.42	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0117	EA 35 To 60 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Ampere Interrupting Capacity .....	193.89	27.74
	<i>For Bolt-On, Add</i>	35.03	
	<i>For Installation In New Panelboard, Deduct</i>	-15.42	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50	
26 28 16 13-0118	EA 70 To 100 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	288.64	34.68
	<i>For Bolt-On, Add</i>	49.57	
	<i>For Installation In New Panelboard, Deduct</i>	-19.27	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	23.12	
26 28 16 13-0119	EA 15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	350.94	41.62
	<i>For Bolt-On, Add</i>	60.05	
	<i>For Installation In New Panelboard, Deduct</i>	-23.12	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0120	EA 35 To 60 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	350.94	41.62
	<i>For Bolt-On, Add</i>	60.05	
	<i>For Installation In New Panelboard, Deduct</i>	-23.12	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75	
26 28 16 13-0121	EA 70 To 100 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	646.22	55.49
	<i>For Bolt-On, Add</i>	102.36	
	<i>For Installation In New Panelboard, Deduct</i>	-30.83	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0122	EA 110 To 125 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	1,151.88	69.36
	<i>For Bolt-On, Add</i>	170.96	
	<i>For Installation In New Panelboard, Deduct</i>	-38.54	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0123	EA 150 To 225 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	2,255.20	77.07
	<i>For Bolt-On, Add</i>	311.57	
	<i>For Installation In New Panelboard, Deduct</i>	-42.39	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	50.87	
26 28 16 13-0124	EA 15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	592.13	55.49
	<i>For Bolt-On, Add</i>	95.60	
	<i>For Installation In New Panelboard, Deduct</i>	-30.83	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0125	EA 35 To 60 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	592.13	55.49
	<i>For Bolt-On, Add</i>	95.60	
	<i>For Installation In New Panelboard, Deduct</i>	-30.83	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99	
26 28 16 13-0126	EA 70 To 100 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	815.30	69.36
	<i>For Bolt-On, Add</i>	128.89	
	<i>For Installation In New Panelboard, Deduct</i>	-38.54	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24	
26 28 16 13-0127	EA 110 To 125 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	1,302.92	83.24
	<i>For Bolt-On, Add</i>	195.23	
	<i>For Installation In New Panelboard, Deduct</i>	-46.24	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49	
26 28 16 13-0128	EA 150 To 225 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 42,000 Amperes Interrupting Capacity .....	2,853.49	107.90
	<i>For Bolt-On, Add</i>	398.50	
	<i>For Installation In New Panelboard, Deduct</i>	-59.73	
	<i>Note: Also for use with new interiors in panelboards.</i>		
	<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.68	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 28 16 13-0129</b>		<b>Branch Circuit Breakers 65,000 Amperes Interrupting Capacity, Plug-On</b> <small>(26 28 16 13-0001)</small>			
		<small>Note: Includes connection of electrical wire.</small>			
26 28 16 13-0130	EA	15 To 30 Amperes, 1 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	98.15		27.74
		<i>For Bolt-On, Add</i>	23.06		
		<i>For Installation In New Panelboard, Deduct</i>	-15.42		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50		
26 28 16 13-0131	EA	15 To 30 Amperes, 2 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	195.31		41.62
		<i>For Bolt-On, Add</i>	40.60		
		<i>For Installation In New Panelboard, Deduct</i>	-23.12		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75		
26 28 16 13-0132	EA	15 To 30 Amperes, 3 Pole, 240 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	302.42		55.49
		<i>For Bolt-On, Add</i>	59.38		
		<i>For Installation In New Panelboard, Deduct</i>	-30.83		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99		
26 28 16 13-0133	EA	15 To 30 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	184.38		27.74
		<i>For Bolt-On, Add</i>	33.84		
		<i>For Installation In New Panelboard, Deduct</i>	-15.42		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50		
26 28 16 13-0134	EA	35 To 60 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	184.38		27.74
		<i>For Bolt-On, Add</i>	33.84		
		<i>For Installation In New Panelboard, Deduct</i>	-15.42		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	18.50		
26 28 16 13-0135	EA	70 To 100 Amperes, 1 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	367.34		55.49
		<i>For Bolt-On, Add</i>	67.50		
		<i>For Installation In New Panelboard, Deduct</i>	-30.83		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99		
26 28 16 13-0136	EA	15 To 30 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	403.80		41.62
		<i>For Bolt-On, Add</i>	66.66		
		<i>For Installation In New Panelboard, Deduct</i>	-23.12		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75		
26 28 16 13-0137	EA	35 To 60 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	403.80		41.62
		<i>For Bolt-On, Add</i>	66.66		
		<i>For Installation In New Panelboard, Deduct</i>	-23.12		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	27.75		
26 28 16 13-0138	EA	70 To 100 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	765.36		55.49
		<i>For Bolt-On, Add</i>	117.25		
		<i>For Installation In New Panelboard, Deduct</i>	-30.83		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99		
26 28 16 13-0139	EA	110 To 125 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,284.11		69.36
		<i>For Bolt-On, Add</i>	187.49		
		<i>For Installation In New Panelboard, Deduct</i>	-38.54		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24		
26 28 16 13-0140	EA	150 To 225 Amperes, 2 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	2,786.96		86.33
		<i>For Bolt-On, Add</i>	382.09		
		<i>For Installation In New Panelboard, Deduct</i>	-48.17		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	57.80		
26 28 16 13-0141	EA	15 To 30 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	667.75		55.49
		<i>For Bolt-On, Add</i>	105.05		
		<i>For Installation In New Panelboard, Deduct</i>	-30.83		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99		
26 28 16 13-0142	EA	35 To 60 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	667.75		55.49
		<i>For Bolt-On, Add</i>	105.05		
		<i>For Installation In New Panelboard, Deduct</i>	-30.83		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	36.99		
26 28 16 13-0143	EA	70 To 100 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	925.08		69.36
		<i>For Bolt-On, Add</i>	142.61		
		<i>For Installation In New Panelboard, Deduct</i>	-38.54		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	46.24		
26 28 16 13-0144	EA	110 To 125 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	1,399.09		83.24
		<i>For Bolt-On, Add</i>	207.26		
		<i>For Installation In New Panelboard, Deduct</i>	-46.24		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	55.49		
26 28 16 13-0145	EA	150 To 225 Amperes, 3 Pole, 480 Volt, Branch Circuit Breaker, 65,000 Amperes Interrupting Capacity	3,465.30		107.90
		<i>For Bolt-On, Add</i>	474.97		
		<i>For Installation In New Panelboard, Deduct</i>	-59.73		
		<small>Note: Also for use with new interiors in panelboards.</small>			
		<i>For Personal Protective Equipment (Arc Flash) When Working On Energized Equipment, Add</i>	71.68		

**26 28 16 16 Enclosed Switches** (26 28 16)

<b>26 28 16 16-0001</b>		<b>Motor And Circuit Disconnects</b> <small>(26 28 16 16)</small>			
		<small>Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the disconnect.</small>			



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
26 28 16 16-0002		NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0001)</small>		
26 28 16 16-0003		Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0002)</small>		
		Note: Includes fuses and neutral bar.		
26 28 16 16-0004		240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0005	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	549.91	154.14
26 28 16 16-0006	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	854.73	185.74
26 28 16 16-0007	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,168.37	217.35
26 28 16 16-0008	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,007.20	342.20
26 28 16 16-0009	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	4,235.21	531.80
26 28 16 16-0010	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,055.29	786.14
26 28 16 16-0011	EA	800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,600.00	924.87
26 28 16 16-0012	EA	1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	12,861.71	1,079.01
26 28 16 16-0013		600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0014	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	826.24	171.26
26 28 16 16-0015	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	996.83	206.40
26 28 16 16-0016	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,570.63	241.24
26 28 16 16-0017	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,326.33	380.73
26 28 16 16-0018	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,035.66	590.68
26 28 16 16-0019	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	7,841.87	873.08
26 28 16 16-0020	EA	800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	11,551.87	1,027.07
26 28 16 16-0021	EA	1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,747.83	1,198.94
26 28 16 16-0022		240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0023	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	786.21	242.01
26 28 16 16-0024	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,152.43	321.39
26 28 16 16-0025	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,538.90	356.84
26 28 16 16-0026	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,433.34	558.78
26 28 16 16-0027	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	5,013.39	917.16
26 28 16 16-0028	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	8,119.08	1,284.80
26 28 16 16-0029		600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0030	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,018.93	267.44
26 28 16 16-0031	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,297.86	356.84
26 28 16 16-0032	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	1,891.15	401.55
26 28 16 16-0033	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	2,788.11	611.96
26 28 16 16-0034	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	6,145.93	988.07
26 28 16 16-0035	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	9,862.34	1,427.38
26 28 16 16-0036	EA	800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	15,595.47	1,695.59
26 28 16 16-0037	EA	1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	19,894.37	1,926.80
26 28 16 16-0038		240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0003)</small>		
26 28 16 16-0039	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch	763.00	242.01

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 16-0040	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,122.44	321.39
	26 28 16 16-0041	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,484.34	356.84
	26 28 16 16-0042	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,508.38	558.78
	26 28 16 16-0043	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	5,436.25	917.16
	26 28 16 16-0044	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	8,755.24	1,284.80
	26 28 16 16-0045	EA		800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	14,404.43	1,618.52
	26 28 16 16-0046	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	17,737.04	1,849.73
	<b>26 28 16 16-0047</b>			<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0003)</small>		
	26 28 16 16-0048	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,104.07	267.44
	26 28 16 16-0049	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,402.49	356.84
	26 28 16 16-0050	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,044.15	401.55
	26 28 16 16-0051	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,017.14	611.96
	26 28 16 16-0052	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,634.58	988.07
	26 28 16 16-0053	EA		600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	10,725.35	1,427.38
	26 28 16 16-0054	EA		800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	17,028.27	1,695.59
	26 28 16 16-0055	EA		1,200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	21,442.09	1,926.80
	<b>26 28 16 16-0056</b>			<b>Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>		
	<b>26 28 16 16-0057</b>			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
	26 28 16 16-0058	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	535.23	223.05
	26 28 16 16-0059	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	827.06	310.29
	26 28 16 16-0060	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,131.33	356.84
	26 28 16 16-0061	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,773.64	570.95
	26 28 16 16-0062	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,554.28	951.53
	26 28 16 16-0063	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,780.27	1,297.59
	26 28 16 16-0064	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	8,221.25	1,541.45
	26 28 16 16-0065	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,827.60	1,799.02
	<b>26 28 16 16-0066</b>			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
	26 28 16 16-0067	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	591.17	246.17
	26 28 16 16-0068	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	936.19	348.21
	26 28 16 16-0069	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,277.88	396.46
	26 28 16 16-0070	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,983.89	620.59
	26 28 16 16-0071	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,823.95	1,019.51
	26 28 16 16-0072	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,392.83	1,427.22
	26 28 16 16-0073	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	9,097.11	1,541.45
	26 28 16 16-0074	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,027.05	1,799.02
	<b>26 28 16 16-0075</b>			<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0056)</small>		
	26 28 16 16-0076	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	628.36	200.39
	26 28 16 16-0077	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	956.62	279.00
	26 28 16 16-0078	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,280.30	321.39

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0079	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,013.21	514.07
26 28 16 16-0080	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,999.00	856.27
26 28 16 16-0081	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,407.51	1,167.64
26 28 16 16-0082	EA		800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	10,911.87	1,387.31
26 28 16 16-0083	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	14,184.71	1,618.52
<b>26 28 16 16-0084</b>			<b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0085	EA		30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	686.00	221.20
26 28 16 16-0086	EA		60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,053.14	313.69
26 28 16 16-0087	EA		100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,397.23	356.84
26 28 16 16-0088	EA		200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,172.96	558.78
26 28 16 16-0089	EA		400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,284.61	917.16
26 28 16 16-0090	EA		600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,931.92	1,284.80
26 28 16 16-0091	EA		800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	11,491.11	1,387.31
<b>26 28 16 16-0092</b>			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0093	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	729.20	221.51
26 28 16 16-0094	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,126.82	313.38
26 28 16 16-0095	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,517.06	356.84
26 28 16 16-0096	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,357.53	558.47
26 28 16 16-0097	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	4,542.79	917.47
26 28 16 16-0098	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	7,696.00	1,284.49
26 28 16 16-0099	EA		800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	12,363.59	1,387.31
26 28 16 16-0100	EA		1,200 Amperes, 600 Volt Class, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	16,138.97	1,618.52
<b>26 28 16 16-0101</b>			<b>240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0102	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,043.34	200.69
26 28 16 16-0103	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,267.86	279.31
26 28 16 16-0104	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,922.22	321.09
26 28 16 16-0105	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,891.15	513.76
<b>26 28 16 16-0106</b>			<b>480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0107	EA		30 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,130.73	221.20
26 28 16 16-0108	EA		60 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,386.64	313.69
26 28 16 16-0109	EA		100 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,085.03	356.84
26 28 16 16-0110	EA		200 Amperes, 480 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,113.63	558.78
<b>26 28 16 16-0111</b>			<b>600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0056)</small></b>		
26 28 16 16-0112	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,250.99	221.51
26 28 16 16-0113	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,519.29	313.38
26 28 16 16-0114	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	2,323.56	356.84
26 28 16 16-0115	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,461.11	558.47

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0116				<b>General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small> Note: Includes fuses and neutral bar.		
26 28 16 16-0117				<b>240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0116)</small>		
26 28 16 16-0118	EA			30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	387.05	134.11
26 28 16 16-0119	EA			60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	523.28	161.39
26 28 16 16-0120	EA			100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	792.93	188.67
26 28 16 16-0121	EA			200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,457.34	297.66
26 28 16 16-0122	EA			400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	3,416.67	461.66
26 28 16 16-0123	EA			600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	6,353.37	683.32
26 28 16 16-0124				<b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0116)</small>		
26 28 16 16-0125	EA			30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	539.98	210.72
26 28 16 16-0126	EA			60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	758.58	279.31
26 28 16 16-0127	EA			100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,036.13	310.29
26 28 16 16-0128	EA			200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,834.86	485.71
26 28 16 16-0129	EA			400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,092.18	797.85
26 28 16 16-0130	EA			600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,226.94	1,116.93
26 28 16 16-0131				<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0116)</small>		
26 28 16 16-0132	EA			30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	596.09	210.72
26 28 16 16-0133	EA			60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	849.04	279.31
26 28 16 16-0134	EA			100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	1,118.45	310.29
26 28 16 16-0135	EA			200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	2,042.25	485.71
26 28 16 16-0136	EA			400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	4,446.66	797.85
26 28 16 16-0137	EA			600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch .....	7,451.65	1,116.93
26 28 16 16-0138				<b>General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0002)</small>		
26 28 16 16-0139				<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>		
26 28 16 16-0140	EA			60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	529.52	186.52
26 28 16 16-0141	EA			100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	698.00	214.42
26 28 16 16-0142	EA			200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,547.94	342.66
26 28 16 16-0143	EA			400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,286.72	570.34
26 28 16 16-0144	EA			600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	5,647.42	777.20
26 28 16 16-0145				<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0138)</small>		
26 28 16 16-0146	EA			30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	499.91	174.49
26 28 16 16-0147	EA			60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	685.73	242.77
26 28 16 16-0148	EA			100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,024.86	279.31
26 28 16 16-0149	EA			200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	1,757.14	446.87
26 28 16 16-0150	EA			400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	3,636.71	744.83
26 28 16 16-0151	EA			600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Safety Switch.....	6,125.98	1,015.20
26 28 16 16-0152				<b>NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0001)</small>		



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0153			<b>Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small> Note: With fuses, neutral bar, and hub if required.		
26 28 16 16-0154			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0155	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	798.48	181.12
26 28 16 16-0156	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,255.93	217.35
26 28 16 16-0157	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,565.89	252.80
26 28 16 16-0158	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,295.19	385.36
26 28 16 16-0159	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,024.15	616.58
26 28 16 16-0160	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	8,753.23	822.36
26 28 16 16-0161	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	13,061.55	924.87
26 28 16 16-0162	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	17,278.17	1,079.01
26 28 16 16-0163			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0164	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,360.02	241.39
26 28 16 16-0165	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,621.20	295.96
26 28 16 16-0166	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,284.84	339.89
26 28 16 16-0167	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,225.46	509.76
26 28 16 16-0168	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,963.51	834.07
26 28 16 16-0169	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	12,727.58	1,146.99
26 28 16 16-0170	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	18,638.89	1,320.71
26 28 16 16-0171	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	20,539.01	1,486.73
26 28 16 16-0172			<b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0173	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,029.58	285.16
26 28 16 16-0174	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,619.05	377.65
26 28 16 16-0175	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,943.09	414.65
26 28 16 16-0176	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,886.78	642.01
26 28 16 16-0177	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,178.62	1,070.53
26 28 16 16-0178	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,234.27	1,427.38
26 28 16 16-0179			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		
26 28 16 16-0180	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,555.90	338.04
26 28 16 16-0181	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,858.63	414.34
26 28 16 16-0182	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,472.46	475.69
26 28 16 16-0183	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	3,596.18	713.69
26 28 16 16-0184	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,505.45	1,167.80
26 28 16 16-0185	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	13,455.68	1,605.73
26 28 16 16-0186	EA		800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	18,962.19	1,849.73
26 28 16 16-0187	EA		1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	22,671.82	2,080.96
26 28 16 16-0188			<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0153)</small>		



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 28 16 16-0189	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,124.73	285.16
	26 28 16 16-0190	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,621.81	377.65
	26 28 16 16-0191	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,076.86	414.65
	26 28 16 16-0192	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,976.01	642.01
	26 28 16 16-0193	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	6,260.47	1,070.53
	26 28 16 16-0194	EA		600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	11,134.57	1,427.38
	26 28 16 16-0195	EA		800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,430.62	1,618.52
	26 28 16 16-0196	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	22,940.43	1,849.73
	<b>26 28 16 16-0197</b>			<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16-0153)</small>		
	26 28 16 16-0198	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,610.49	338.35
	26 28 16 16-0199	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,920.00	414.65
	26 28 16 16-0200	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,608.87	475.54
	26 28 16 16-0201	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	3,684.85	713.69
	26 28 16 16-0202	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,826.01	1,167.64
	26 28 16 16-0203	EA		600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,823.98	1,605.42
	26 28 16 16-0204	EA		800 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	20,121.94	1,849.73
	26 28 16 16-0205	EA		1,200 Amperes, 600 Volt Class, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	24,200.51	2,080.96
	<b>26 28 16 16-0206</b>			<b>Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16-0152)</small>		
	<b>26 28 16 16-0207</b>			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16-0206)</small>		
	26 28 16 16-0208	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	755.40	158.61
	26 28 16 16-0209	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,225.68	219.65
	26 28 16 16-0210	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,604.31	251.88
	26 28 16 16-0211	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,148.83	407.86
	26 28 16 16-0212	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,739.54	680.39
	26 28 16 16-0213	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,577.62	907.15
	26 28 16 16-0214	EA		800 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,725.59	1,079.47
	26 28 16 16-0215	EA		1,200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	18,082.08	1,233.62
	<b>26 28 16 16-0216</b>			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16-0206)</small>		
	26 28 16 16-0217	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	849.75	174.80
	26 28 16 16-0218	EA		60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,388.20	244.63
	26 28 16 16-0219	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,809.95	276.23
	26 28 16 16-0220	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,380.10	428.22
	26 28 16 16-0221	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,367.45	713.69
	26 28 16 16-0222	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,255.49	951.53
	26 28 16 16-0223	EA		800 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	14,633.97	1,130.81
	26 28 16 16-0224	EA		1,200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	19,271.18	1,284.49
	<b>26 28 16 16-0225</b>			<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16-0206)</small>		
	26 28 16 16-0226	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	913.98	237.85

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0227	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,445.27	329.41
26 28 16 16-0228	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,856.18	377.80
26 28 16 16-0229	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,556.62	611.81
26 28 16 16-0230	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,488.42	1,020.44
26 28 16 16-0231	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	9,618.97	1,360.33
26 28 16 16-0232	EA		800 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	14,954.92	1,618.52
26 28 16 16-0233	EA		1,200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	19,742.20	1,849.73
<b>26 28 16 16-0234</b>			<b>480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0235	EA		30 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	993.83	262.04
26 28 16 16-0236	EA		60 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,576.73	367.02
26 28 16 16-0237	EA		100 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,007.91	414.34
26 28 16 16-0238	EA		200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,713.02	642.32
26 28 16 16-0239	EA		400 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	5,834.45	1,070.38
26 28 16 16-0240	EA		600 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,244.69	1,427.22
26 28 16 16-0241	EA		800 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	15,945.74	1,695.59
26 28 16 16-0242	EA		1,200 Amperes, 480 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	21,039.72	1,926.80
<b>26 28 16 16-0243</b>			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0206)</small>		
26 28 16 16-0244	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	559.80	262.04
26 28 16 16-0245	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,632.87	367.02
26 28 16 16-0246	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,086.19	414.34
26 28 16 16-0247	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	2,808.28	642.32
26 28 16 16-0248	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	6,081.09	1,070.38
26 28 16 16-0249	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	10,207.00	1,427.22
26 28 16 16-0250	EA		800 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	15,924.63	1,695.59
26 28 16 16-0251	EA		1,200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	21,010.99	1,926.80
<b>26 28 16 16-0252</b>			<b>General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small> Note: With fuses, neutral bar, and hub if required.		
<b>26 28 16 16-0253</b>			<b>240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0254	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	497.60	157.54
26 28 16 16-0255	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	695.56	188.98
26 28 16 16-0256	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	909.22	219.81
26 28 16 16-0257	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,841.84	335.11
26 28 16 16-0258	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	4,449.83	536.12
26 28 16 16-0259	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 1 Blade And Fuseholder, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	7,841.04	715.23
<b>26 28 16 16-0260</b>			<b>240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0261	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	679.76	248.33
26 28 16 16-0262	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	975.07	328.49
26 28 16 16-0263	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch .....	1,189.72	360.39

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0264 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,289.81	558.47
26 28 16 16-0265 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,241.58	930.73
26 28 16 16-0266 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 2 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	8,904.41	1,241.48
<b>26 28 16 16-0267 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0252)</small>		
26 28 16 16-0268 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	758.38	248.18
26 28 16 16-0269 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,054.01	328.49
26 28 16 16-0270 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,443.68	360.39
26 28 16 16-0271 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,453.79	558.47
26 28 16 16-0272 EA 400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	5,346.92	930.88
26 28 16 16-0273 EA 600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	9,726.33	1,241.48
26 28 16 16-0274 EA 800 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, General Duty Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	13,827.35	1,406.42
<b>26 28 16 16-0275 General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0152)</small>		
<b>26 28 16 16-0276 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>		
26 28 16 16-0277 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	448.19	137.96
26 28 16 16-0278 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	726.68	190.99
26 28 16 16-0279 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	767.42	219.04
26 28 16 16-0280 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,881.50	354.53
26 28 16 16-0281 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	4,561.57	591.60
26 28 16 16-0282 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	7,991.79	788.76
<b>26 28 16 16-0283 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switches</b> <small>(26 28 16 16-0275)</small>		
26 28 16 16-0284 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	699.74	206.86
26 28 16 16-0285 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,005.09	286.40
26 28 16 16-0286 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	1,453.82	328.49
26 28 16 16-0287 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, General Duty Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Bolt-On Hubs, Safety Switch.....	2,492.86	531.96
<b>26 28 16 16-0288 NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
<b>26 28 16 16-0289 Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
Note: With fuses and neutral bar (stainless steel).		
<b>26 28 16 16-0290 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0291 EA 30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,056.62	154.14
26 28 16 16-0292 EA 60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,470.63	185.74
26 28 16 16-0293 EA 100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	5,008.96	217.04
26 28 16 16-0294 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	6,936.20	342.51
26 28 16 16-0295 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	14,069.09	531.50
26 28 16 16-0296 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	20,227.48	785.83
<b>26 28 16 16-0297 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>		
26 28 16 16-0298 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,605.17	171.26
26 28 16 16-0299 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch.....	2,900.15	206.25

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 28 16 16-0300	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		5,416.92	241.08
26 28 16 16-0301	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		7,663.45	380.73
26 28 16 16-0302	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		14,618.45	590.99
26 28 16 16-0303	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		20,965.74	873.08
<b>26 28 16 16-0304</b>		<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
26 28 16 16-0305	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		2,324.53	242.31
26 28 16 16-0306	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		2,916.90	321.09
26 28 16 16-0307	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		5,514.79	356.84
26 28 16 16-0308	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		7,849.41	558.47
26 28 16 16-0309	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		15,271.41	917.47
26 28 16 16-0310	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		21,788.73	1,284.49
<b>26 28 16 16-0311</b>		<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
26 28 16 16-0312	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		2,804.92	267.60
26 28 16 16-0313	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		3,208.93	356.84
26 28 16 16-0314	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		5,752.83	401.40
26 28 16 16-0315	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		8,146.75	611.64
26 28 16 16-0316	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		15,779.34	988.07
26 28 16 16-0317	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		22,457.48	1,427.22
<b>26 28 16 16-0318</b>		<b>240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
26 28 16 16-0319	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		2,769.40	242.31
26 28 16 16-0320	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		3,473.04	321.09
26 28 16 16-0321	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		6,627.62	356.84
26 28 16 16-0322	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		9,371.15	558.47
26 28 16 16-0323	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		18,266.39	917.47
26 28 16 16-0324	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		25,904.55	1,284.49
<b>26 28 16 16-0325</b>		<b>600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
26 28 16 16-0326	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		3,330.59	267.60
26 28 16 16-0327	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		3,805.03	356.84
26 28 16 16-0328	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		6,888.74	401.40
26 28 16 16-0329	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		9,681.21	611.64
26 28 16 16-0330	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		18,814.74	988.07
26 28 16 16-0331	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		26,629.42	1,427.22
<b>26 28 16 16-0332</b>		<b>Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0289)</small>			
<b>26 28 16 16-0333</b>		<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>			
26 28 16 16-0334	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		1,974.53	154.14
26 28 16 16-0335	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		2,408.75	214.42
26 28 16 16-0336	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....		4,502.77	246.63



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0337 EA 200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	6,257.78	394.00
26 28 16 16-0338 EA 400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,380.36	656.04
26 28 16 16-0339 EA 600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	16,290.22	893.73
<b>26 28 16 16-0340 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0341 EA 30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,244.46	170.02
26 28 16 16-0342 EA 60 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,743.43	240.47
26 28 16 16-0343 EA 100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,130.34	274.06
26 28 16 16-0344 EA 200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,107.66	428.22
26 28 16 16-0345 EA 400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	12,916.11	704.75
26 28 16 16-0346 EA 600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	18,547.83	986.52
<b>26 28 16 16-0347 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0348 EA 30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,067.66	200.69
26 28 16 16-0349 EA 60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,506.82	279.31
26 28 16 16-0350 EA 100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,622.08	321.09
26 28 16 16-0351 EA 200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,037.10	513.76
26 28 16 16-0352 EA 400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,182.44	856.43
26 28 16 16-0353 EA 600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	17,315.92	1,167.80
<b>26 28 16 16-0354 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0355 EA 30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,347.21	221.51
26 28 16 16-0356 EA 60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,889.23	313.38
26 28 16 16-0357 EA 100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	5,295.88	356.84
26 28 16 16-0358 EA 200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,368.10	558.47
26 28 16 16-0359 EA 400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	14,671.64	917.47
26 28 16 16-0360 EA 600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	19,689.53	1,284.49
<b>26 28 16 16-0361 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0362 EA 30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	2,828.21	200.69
26 28 16 16-0363 EA 60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,398.89	279.31
26 28 16 16-0364 EA 100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,587.36	321.09
26 28 16 16-0365 EA 200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	11,579.22	513.76
<b>26 28 16 16-0366 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0332)</small>		
26 28 16 16-0367 EA 30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,216.41	221.51
26 28 16 16-0368 EA 60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,872.76	313.38
26 28 16 16-0369 EA 100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,650.88	356.84
26 28 16 16-0370 EA 200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Stainless Steel Non-Fusible, NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	13,175.95	558.47
<b>26 28 16 16-0371 Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0372		<b>600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0371)</small>		
26 28 16 16-0373	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,742.50	267.44
26 28 16 16-0374	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,276.27	356.84
26 28 16 16-0375	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,638.71	401.55
26 28 16 16-0376	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,960.53	611.96
26 28 16 16-0377		<b>600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0371)</small>		
26 28 16 16-0378	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,498.77	221.20
26 28 16 16-0379	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,022.80	313.69
26 28 16 16-0380	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	7,216.64	356.84
26 28 16 16-0381	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Fiberglass Reinforced Polyester NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	9,824.16	558.78
26 28 16 16-0382		<b>Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0288)</small>		
26 28 16 16-0383		<b>600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0382)</small>		
26 28 16 16-0384	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,271.80	267.44
26 28 16 16-0385	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,868.54	356.84
26 28 16 16-0386	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,758.79	401.55
26 28 16 16-0387		<b>600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0382)</small>		
26 28 16 16-0388	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	3,999.58	221.20
26 28 16 16-0389	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	4,583.59	313.69
26 28 16 16-0390	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Pole, Non-Fusible, Krydon NEMA 4, 4X Or 5 Enclosure, Neutral Kit, Safety Switch .....	8,291.73	356.84
26 28 16 16-0391		<b>NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
		Note: Class 1, groups C and D, division 1 or 2, NEMA 7; Class 2, groups E, F and G, division 1 or 2, NEMA 9; or Class 3, division 1 Or 2, NEMA 9, hazardous locations as defined in NEC article 500.		
26 28 16 16-0392		<b>Heavy Duty Fusible, NEMA 7 Or 9 Enclosures, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0391)</small>		
		Note: With fuses and neutral bar.		
26 28 16 16-0393	EA	30 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,397.73	308.29
26 28 16 16-0394	EA	60 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,840.45	367.02
26 28 16 16-0395	EA	100 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	4,260.44	414.34
26 28 16 16-0396	EA	200 Amperes, 240 Volt, 3 Phase, Heavy Duty Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	8,993.70	642.32
26 28 16 16-0397		<b>Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0391)</small>		
26 28 16 16-0398	EA	60 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	2,664.40	367.02
26 28 16 16-0399	EA	100 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	3,115.10	414.34
26 28 16 16-0400	EA	200 Amperes, 240 Volt, 3 Phase, Heavy Duty Non-Fusible, NEMA 7 Or 9 Enclosure, Neutral Kit, Safety Switch .....	5,703.10	642.32
26 28 16 16-0401		<b>NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0001)</small>		
26 28 16 16-0402		<b>Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0401)</small>		
		Note: With fuses and neutral bar.		
26 28 16 16-0403		<b>240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0402)</small>		
26 28 16 16-0404	EA	30 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	770.03	154.14
26 28 16 16-0405	EA	60 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,002.48	185.74
26 28 16 16-0406	EA	100 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,360.76	217.35
26 28 16 16-0407	EA	200 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,290.43	342.20
26 28 16 16-0408	EA	400 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	4,848.42	531.80
26 28 16 16-0409	EA	600 Amperes, 240 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	8,719.46	786.14

	MINOR	DESCRIPTION	TOTAL DIRECT	DEMOLITION
	CSI	UOM	UNIT COST	UNIT COST

<b>26 28 16 16-0410 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>				
26 28 16 16-0411	EA	30 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,195.11	171.10
26 28 16 16-0412	EA	60 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,238.12	206.56
26 28 16 16-0413	EA	100 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,772.36	241.24
26 28 16 16-0414	EA	200 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,773.62	380.73
26 28 16 16-0415	EA	400 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	6,004.16	590.37
26 28 16 16-0416	EA	600 Amperes, 600 Volt Class, 1 Phase, 2 Pole, 2 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	11,818.59	873.23
<b>26 28 16 16-0417 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>				
26 28 16 16-0418	EA	30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,075.75	242.01
26 28 16 16-0419	EA	60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,487.28	321.39
26 28 16 16-0420	EA	100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,014.21	356.84
26 28 16 16-0421	EA	200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,999.36	558.78
26 28 16 16-0422	EA	400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	5,852.29	917.16
26 28 16 16-0423	EA	600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	9,358.23	1,284.80
<b>26 28 16 16-0424 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>				
26 28 16 16-0425	EA	30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,421.91	267.44
26 28 16 16-0426	EA	60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,620.75	356.84
26 28 16 16-0427	EA	100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,364.71	401.55
26 28 16 16-0428	EA	200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,446.85	611.96
26 28 16 16-0429	EA	400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,166.58	988.07
26 28 16 16-0430	EA	600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	13,398.98	1,427.38
<b>26 28 16 16-0431 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>				
26 28 16 16-0432	EA	30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,146.33	242.01
26 28 16 16-0433	EA	60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,535.76	321.39
26 28 16 16-0434	EA	100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,166.39	356.84
26 28 16 16-0435	EA	200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,190.42	558.78
26 28 16 16-0436	EA	400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	6,363.85	917.16
26 28 16 16-0437	EA	600 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	9,703.82	1,284.80
<b>26 28 16 16-0438 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0402)</small></b>				
26 28 16 16-0439	EA	30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,503.73	267.44
26 28 16 16-0440	EA	60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	1,839.01	356.84
26 28 16 16-0441	EA	100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	2,514.78	401.55
26 28 16 16-0442	EA	200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	3,733.30	611.96
26 28 16 16-0443	EA	400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	7,630.37	988.07
26 28 16 16-0444	EA	600 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 3 Blades And Fuseholders, Heavy Duty Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch .....	13,780.91	1,427.38
<b>26 28 16 16-0445 Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches <small>(26 28 16 16-0401)</small></b>				

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 28 16 16-0446			<b>240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0447	EA		30 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	804.38	222.74
26 28 16 16-0448	EA		60 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,068.60	310.60
26 28 16 16-0449	EA		100 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,409.84	356.84
26 28 16 16-0450	EA		200 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,018.66	571.11
26 28 16 16-0451	EA		400 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,400.14	951.84
26 28 16 16-0452	EA		600 Amperes, 240 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,940.54	1,297.89
26 28 16 16-0453			<b>600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0454	EA		30 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	896.27	245.86
26 28 16 16-0455	EA		60 Amperes, Non-Fused, NEMA 12, Heavy Duty Disconnect Switch, 600 Volt, 1 Phase.....	1,188.05	348.37
26 28 16 16-0456	EA		100 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,571.17	396.15
26 28 16 16-0457	EA		200 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,193.35	620.43
26 28 16 16-0458	EA		400 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	4,660.97	1,019.67
26 28 16 16-0459	EA		600 Amperes, 600 Volt Class, 1 Phase, 2 Wire, 2 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	7,668.25	1,427.38
26 28 16 16-0460			<b>240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0461	EA		30 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,036.34	200.39
26 28 16 16-0462	EA		60 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,366.01	279.00
26 28 16 16-0463	EA		100 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,810.39	321.39
26 28 16 16-0464	EA		200 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,593.34	514.07
26 28 16 16-0465	EA		400 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,425.13	856.27
26 28 16 16-0466	EA		600 Amperes, 240 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	8,530.58	1,167.64
26 28 16 16-0467			<b>600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0468	EA		30 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,018.60	221.20
26 28 16 16-0469	EA		60 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,479.17	313.69
26 28 16 16-0470	EA		100 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,941.31	356.84
26 28 16 16-0471	EA		200 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,569.75	558.78
26 28 16 16-0472	EA		400 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	5,456.73	917.16
26 28 16 16-0473	EA		600 Amperes, 600 Volt Class, 3 Phase, 3 Wire, 3 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	10,139.81	1,284.80
26 28 16 16-0474			<b>240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0475	EA		30 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,238.24	200.39
26 28 16 16-0476	EA		60 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,480.84	279.00
26 28 16 16-0477	EA		100 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,280.79	321.39
26 28 16 16-0478	EA		200 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,617.50	514.07
26 28 16 16-0479	EA		400 Amperes, 240 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,497.69	655.12
26 28 16 16-0480			<b>600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switches</b> <small>(26 28 16 16-0445)</small>		
26 28 16 16-0481	EA		30 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,288.69	221.20
26 28 16 16-0482	EA		60 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	1,615.58	313.69
26 28 16 16-0483	EA		100 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	2,439.21	356.84

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST				
26 28 16 16-0484	EA		200 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	3,722.40	558.78				
26 28 16 16-0485	EA		400 Amperes, 600 Volt Class, 3 Phase, 4 Wire, 4 Blades, Heavy Duty Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Safety Switch.....	6,940.36	863.21				
<b>26 28 16 16-0486</b>			<b>Double Throw Safety Switches</b> <small>(26 28 16 16-0001)</small>						
<b>26 28 16 16-0487</b>			<b>NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>						
<b>26 28 16 16-0488</b>			<b>240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>						
26 28 16 16-0489	EA		30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	967.51	198.08				
26 28 16 16-0490	EA		60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,422.70	258.97				
26 28 16 16-0491	EA		100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,990.74	338.35				
26 28 16 16-0492	EA		200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,652.49	440.09				
26 28 16 16-0493	EA		400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,301.78	550.29				
26 28 16 16-0494	EA		600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,441.83	882.48				
<b>26 28 16 16-0495</b>			<b>240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>						
26 28 16 16-0496	EA		30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,226.17	277.46				
26 28 16 16-0497	EA		60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,706.74	362.24				
26 28 16 16-0498	EA		100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,555.25	474.00				
26 28 16 16-0499	EA		200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,736.90	616.58				
26 28 16 16-0500	EA		400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,686.10	770.72				
26 28 16 16-0501	EA		600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,151.43	1,233.16				
<b>26 28 16 16-0502</b>			<b>240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>						
26 28 16 16-0503	EA		30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,625.01	346.82				
26 28 16 16-0504	EA		60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,354.21	453.18				
26 28 16 16-0505	EA		100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,137.15	591.91				
26 28 16 16-0506	EA		200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,659.24	769.19				
26 28 16 16-0507	EA		400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,292.45	963.40				
26 28 16 16-0508	EA		600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	14,349.67	1,543.75				
<b>26 28 16 16-0509</b>			<b>600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>						
26 28 16 16-0510	EA		60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,635.46	258.97				
26 28 16 16-0511	EA		100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,449.38	338.35				
26 28 16 16-0512	EA		200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,599.33	440.09				
26 28 16 16-0513	EA		400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,394.94	550.29				
26 28 16 16-0514	EA		600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,422.28	882.48				
<b>26 28 16 16-0515</b>			<b>600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>						
26 28 16 16-0516	EA		60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	1,841.79	362.24				
26 28 16 16-0517	EA		100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,719.91	474.00				
26 28 16 16-0518	EA		200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,950.83	616.58				
26 28 16 16-0519	EA		400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,835.43	770.72				
26 28 16 16-0520	EA		600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	13,125.72	1,233.16				
<b>26 28 16 16-0521</b>			<b>600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0487)</small>						
26 28 16 16-0522	EA		60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,487.41	453.18				
26 28 16 16-0523	EA		100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,329.64	591.91				
26 28 16 16-0524	EA		200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	6,057.27	769.19				
26 28 16 16-0525	EA		400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	12,140.49	963.40				
26 28 16 16-0526	EA		600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 1 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,299.02	1,543.75				
<b>26 28 16 16-0527</b>			<b>NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0486)</small>						
<b>26 28 16 16-0528</b>			<b>240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0527)</small>						
26 28 16 16-0529	EA		100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	2,472.99	338.35				
26 28 16 16-0530	EA		200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,612.50	440.09				
26 28 16 16-0531	EA		400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,225.77	550.29				
26 28 16 16-0532	EA		600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	31,378.89	882.48				
<b>26 28 16 16-0533</b>			<b>240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches</b> <small>(26 28 16 16-0527)</small>						
26 28 16 16-0534	EA		100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	3,246.79	473.22				
26 28 16 16-0535	EA		200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,215.71	615.81				
26 28 16 16-0536	EA		400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	18,827.63	770.72				
26 28 16 16-0537	EA		600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch .....	20,531.21	1,235.47				



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 28 Low-Voltage Circuit Protective Devices**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 28 16 16-0538		240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0539	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,110.09	346.98
26 28 16 16-0540	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,860.69	452.88
26 28 16 16-0541	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,405.81	591.76
26 28 16 16-0542	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,802.62	769.49
26 28 16 16-0543	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	13,187.73	963.40
26 28 16 16-0544	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch...	15,457.82	1,543.92
26 28 16 16-0545		600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0546	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,092.45	258.97
26 28 16 16-0547	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,174.98	338.35
26 28 16 16-0548	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,748.82	440.09
26 28 16 16-0549	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	11,009.41	550.29
26 28 16 16-0550	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch...	14,738.79	882.48
26 28 16 16-0551		600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0552	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,382.66	362.24
26 28 16 16-0553	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,577.30	473.22
26 28 16 16-0554	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,356.51	615.81
26 28 16 16-0555	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	11,971.45	770.72
26 28 16 16-0556	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch...	16,124.19	1,235.47
26 28 16 16-0557		600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0527)</small>		
26 28 16 16-0558	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,891.53	452.88
26 28 16 16-0559	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,419.95	591.76
26 28 16 16-0560	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,999.01	769.49
26 28 16 16-0561	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch....	13,164.54	963.40
26 28 16 16-0562	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 3R Enclosure, Neutral Kit, Double Throw Safety Switch...	15,585.63	1,543.92
26 28 16 16-0563		NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0486)</small>		
26 28 16 16-0564		240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0565	EA	30 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,474.88	198.23
26 28 16 16-0566	EA	60 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,809.41	258.80
26 28 16 16-0567	EA	100 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,186.92	338.19
26 28 16 16-0568	EA	200 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,376.77	439.78
26 28 16 16-0569	EA	400 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	8,129.91	550.46
26 28 16 16-0570	EA	600 Amperes, 240 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch....	11,936.11	882.17
26 28 16 16-0571		240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0572	EA	30 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	2,852.80	277.46
26 28 16 16-0573	EA	60 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,380.33	362.24
26 28 16 16-0574	EA	100 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,019.19	473.22
26 28 16 16-0575	EA	200 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	5,595.81	615.81
26 28 16 16-0576	EA	400 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch....	10,137.29	770.72
26 28 16 16-0577	EA	600 Amperes, 240 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch....	13,433.71	1,235.47
26 28 16 16-0578		240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0579	EA	30 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,250.20	346.98
26 28 16 16-0580	EA	60 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	4,981.01	452.88
26 28 16 16-0581	EA	100 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	6,823.99	591.76
26 28 16 16-0582	EA	200 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	9,264.35	769.49
26 28 16 16-0583	EA	400 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch....	17,068.24	963.40
26 28 16 16-0584	EA	600 Amperes, 240 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch....	21,267.85	1,543.92
26 28 16 16-0585		600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		
26 28 16 16-0586	EA	60 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,691.80	258.80
26 28 16 16-0587	EA	100 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	3,893.77	338.19
26 28 16 16-0588	EA	200 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch.....	7,346.88	439.78
26 28 16 16-0589	EA	400 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch....	10,587.20	550.46
26 28 16 16-0590	EA	600 Amperes, 600 Volt Class, 2 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch....	14,241.34	882.17
26 28 16 16-0591		600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches <small>(26 28 16 16-0563)</small>		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 28 16 16-0592	EA	60 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,065.88	362.24
26 28 16 16-0593	EA	100 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	4,333.79	473.22
26 28 16 16-0594	EA	200 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	8,038.42	615.81
26 28 16 16-0595	EA	400 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	11,526.60	770.72
26 28 16 16-0596	EA	600 Amperes, 600 Volt Class, 3 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	15,600.02	1,235.47

**26 28 16 16-0597 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switches** (26 28 16 16-0593)

26 28 16 16-0598	EA	60 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	5,031.28	452.88
26 28 16 16-0599	EA	100 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	7,194.81	591.76
26 28 16 16-0600	EA	200 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	9,482.91	769.49
26 28 16 16-0601	EA	400 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	17,538.70	963.40
26 28 16 16-0602	EA	600 Amperes, 600 Volt Class, 4 Pole, Non-Fusible, NEMA 12 Enclosure, Neutral Kit, Double Throw Safety Switch .....	21,891.43	1,543.92

**26 28 16 16-0603 Removal And Reinstallation Of Disconnect Switches** (26 28 16 16-0001)

Note: Includes storage and cleaning.

26 28 16 16-0604	EA	Removal And Reinstallation Of Up To 100 Amperes Safety Disconnect Switch .....	770.72	
26 28 16 16-0605	EA	Removal And Reinstallation Of >100 To 200 Amperes Safety Disconnect Switch .....	1,001.98	
26 28 16 16-0606	EA	Removal And Reinstallation Of >200 To 300 Amperes Safety Disconnect Switch .....	1,117.63	
26 28 16 16-0607	EA	Removal And Reinstallation Of >300 To 400 Amperes Safety Disconnect Switch .....	1,310.31	

**26 28 16 16-0608 Bolted Contact Switches** (26 28 16 16)

Note: Work includes mounting, material handling, uploading at job site and termination of all conductors entering and leaving the switch.

**26 28 16 16-0609 Electrical Trip, Bolted Contact Switches** (26 28 16 16-0609)

**26 28 16 16-0610 Top Feed, Electrical Trip, Bolted Contact Switches** (26 28 16 16-0609)

26 28 16 16-0611	EA	800 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833T120480).....	10,905.95	1,541.45
26 28 16 16-0612	EA	1,200 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233T120480).....	11,858.18	1,849.73
26 28 16 16-0613	EA	1,600 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633T120480).....	12,945.94	2,158.03
26 28 16 16-0614	EA	2,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033T120480).....	13,723.88	2,466.31
26 28 16 16-0615	EA	2,500 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533T120480).....	15,495.85	2,774.60
26 28 16 16-0616	EA	3,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033T120480).....	19,320.40	3,082.90
26 28 16 16-0617	EA	4,000 Amperes, Top Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033T120480).....	25,910.92	3,699.48

**26 28 16 16-0618 Bottom Feed, Electrical Trip, Bolted Contact Switches** (26 28 16 16-0609)

26 28 16 16-0619	EA	800 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB0833B120480).....	11,532.06	1,541.45
26 28 16 16-0620	EA	1,200 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1233B120480).....	12,606.92	1,849.73
26 28 16 16-0621	EA	1,600 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB1633B120480).....	13,688.22	2,158.03
26 28 16 16-0622	EA	2,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2033B120480).....	14,788.90	2,466.31
26 28 16 16-0623	EA	2,500 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB2533B120480).....	16,644.78	2,774.60
26 28 16 16-0624	EA	3,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB3033B120480).....	21,476.26	3,082.90
26 28 16 16-0625	EA	4,000 Amperes, Bottom Feed, Electrical Trip, Bolted Contact Switch (Eaton CB4033B120480).....	28,157.14	3,699.48

**26 28 16 16-0626 Manually Operated, Bolted Contact Switches** (26 28 16 16-0608)

**26 28 16 16-0627 Top Feed, Manually Operated, Bolted Contact Switches** (26 28 16 16-0626)

26 28 16 16-0628	EA	800 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833T480).....	8,091.72	1,541.45
26 28 16 16-0629	EA	1,200 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233T480).....	9,077.51	1,849.73
26 28 16 16-0630	EA	1,600 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633T480).....	10,116.21	2,158.03
26 28 16 16-0631	EA	2,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033T480).....	11,147.18	2,466.31
26 28 16 16-0632	EA	2,500 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533T480).....	12,242.70	2,774.60
26 28 16 16-0633	EA	3,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033T480).....	16,067.25	3,082.90
26 28 16 16-0634	EA	4,000 Amperes, Top Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033T480).....	22,580.31	3,699.48

**26 28 16 16-0635 Bottom Feed, Manually Operated, Bolted Contact Switches** (26 28 16 16-0626)

26 28 16 16-0636	EA	800 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA0833B480).....	8,506.11	1,541.45
26 28 16 16-0637	EA	1,200 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1233B480).....	9,703.61	1,849.73
26 28 16 16-0638	EA	1,600 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA1633B480).....	10,722.95	2,158.03
26 28 16 16-0639	EA	2,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2033B480).....	11,948.85	2,466.31
26 28 16 16-0640	EA	2,500 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA2533B480).....	13,249.63	2,774.60
26 28 16 16-0641	EA	3,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA3033B480).....	18,061.74	3,082.90
26 28 16 16-0642	EA	4,000 Amperes, Bottom Feed, Manually Operated, Bolted Contact Switch (Eaton QA4033B480).....	24,671.62	3,699.48

**26 29 Low-Voltage Controllers** (26 20)

**26 29 13 Enclosed Controllers** (26 29)

**26 29 13 13 Across-The-Line Motor Controllers** (26 29 13)

**26 29 13 13-0001 Manual Motor Starters** (26 29 13 13)

**26 29 13 13-0002 Fractional HP Manual Motor Starters** (26 29 13 13-0001)

26 29 13 13-0003	EA	NEMA 1, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG1).....	263.32	77.22
		<i>For Flush Cover Plate In Lieu Of NEMA 1, Duct</i>	-3.02	
		<i>For Oversized Enclosure, Add</i>	30.38	
		<i>For Pilot Light, Add</i>	44.56	

**26 Electrical**

**26 20 Low-Voltage Electrical Distribution**

**26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0004	EA		NEMA 1, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG2).....	344.60	100.38
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.02	
			<i>For Oversized Enclosure, Add</i>	30.38	
			<i>For Pilot Light, Add</i>	44.56	
26 29 13 13-0005	EA		NEMA 1, 1 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG3).....	293.70	77.22
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.02	
			<i>For Oversized Enclosure, Add</i>	30.38	
			<i>For Pilot Light, Add</i>	44.56	
26 29 13 13-0006	EA		NEMA 1, 2 Pole, Key Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG4).....	374.99	100.38
			<i>For Flush Cover Plate In Lieu Of NEMA 1, Deduct</i>	-3.02	
			<i>For Oversized Enclosure, Add</i>	30.38	
			<i>For Pilot Light, Add</i>	44.56	
26 29 13 13-0007	EA		NEMA 1, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG5).....	276.48	77.22
			<i>For Oversized Enclosure, Add</i>	30.38	
26 29 13 13-0008	EA		NEMA 1, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FG6).....	361.82	100.38
			<i>For Oversized Enclosure, Add</i>	30.38	
26 29 13 13-0009	EA		NEMA 4, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW1).....	531.18	92.67
			<i>For Pilot Light, Add</i>	116.46	
26 29 13 13-0010	EA		NEMA 4, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FW2).....	615.50	115.83
			<i>For Pilot Light, Add</i>	116.46	
26 29 13 13-0011	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 1 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR1).....	561.56	92.67
26 29 13 13-0012	EA		NEMA 3R, 7 And 9, Handle Guard/Lockoff, 2 Pole, Toggle Operator, Up To 1 HP, Manual Motor Starter With Thermal Overload Protection (Square D 2510FR2).....	642.84	115.83
<b>26 29 13 13-0013</b>			<b>Non-Reversing Manual Motor Starters</b> <small>(26 29 13 13-0001)</small>		
26 29 13 13-0014	EA		NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG1).....	218.93	77.22
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0015	EA		NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG2).....	346.38	100.38
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0016	EA		NEMA 1, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG5).....	246.11	84.94
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0017	EA		NEMA 1, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG6).....	374.52	108.11
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0018	EA		NEMA 1, Non-Reversing, 2 Pole, Key Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG3).....	247.27	77.22
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0019	EA		NEMA 1, Non-Reversing, 3 Pole, Key Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KG4).....	375.70	100.38
			Note: NEMA 1 or flush cover plate installation.		
			<i>For Oversize Enclosure, Add</i>	14.66	
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0020	EA		NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW1).....	492.17	92.67
			<i>For Pilot Light, Add</i>	111.40	
26 29 13 13-0021	EA		NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW2).....	608.85	115.83
			<i>For Pilot Light, Add</i>	111.40	
26 29 13 13-0022	EA		NEMA 4, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW5).....	520.32	100.38
			<i>For Pilot Light, Add</i>	111.40	
26 29 13 13-0023	EA		NEMA 4, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KW6).....	634.08	123.55
			<i>For Pilot Light, Add</i>	111.40	
26 29 13 13-0024	EA		NEMA 3R, 7 And 9, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR1).....	519.53	92.67
26 29 13 13-0025	EA		NEMA 3R, 7 And 9, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KR2).....	644.03	115.83
26 29 13 13-0026	EA		Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO1).....	158.92	54.05
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0027	EA		Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO2).....	286.36	77.22
			<i>For Pilot Light, Add</i>	70.36	
26 29 13 13-0028	EA		Open Type, Non-Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 3 HP At 230 Volt, 7-1/2 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO5).....	186.09	61.78
			<i>For Pilot Light, Add</i>	70.36	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0029 EA Open Type, Non-Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 15 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2510KO6) ..... <i>For Pilot Light, Add</i>	313.54 70.36	84.94
<b>26 29 13 13-0030 Reversing Manual Motor Starters</b> (26 29 13 13-0001)		
26 29 13 13-0031 EA NEMA 1, Reversing, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG11) ..... <i>For Pilot Light, Add</i>	558.45 113.35	139.00
26 29 13 13-0032 EA NEMA 1, Reversing, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2511KG22) ..... <i>For Pilot Light, Add</i>	801.60 113.35	185.33
<b>26 29 13 13-0033 Two Speed Manual Motor Starters</b> (26 29 13 13-0001)		
26 29 13 13-0034 EA NEMA 1, Two Speed, 2 Pole, Toggle Operator, 2 HP At 115 Volt, 2 HP At 230 Volt, 3 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG11) ..... 26 29 13 13-0035 EA NEMA 1, Two Speed, 3 Pole, Toggle Operator, 2 HP At 115 Volt, 7-1/2 HP At 230 Volt, 10 HP At 460 Volt, Manual Motor Starting Switch Without Thermal Overload Protection (Square D 2512KG22) .....	558.45 801.60	139.00 185.33
<b>26 29 13 13-0036 Non-Reversing Integral HP Manual Motor Starters</b> (26 29 13 13-0001)		
26 29 13 13-0037 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG1) .....	496.25	92.67
26 29 13 13-0038 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG1) .....	496.25	92.67
26 29 13 13-0039 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW11) .....	988.94	108.11
26 29 13 13-0040 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW1) .....	988.94	108.11
26 29 13 13-0041 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR1) .....	1,276.55	108.11
26 29 13 13-0042 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA1) .....	627.40	108.11
26 29 13 13-0043 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO1) .....	419.54	69.49
26 29 13 13-0044 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG1) .....	584.62	100.38
26 29 13 13-0045 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG1) .....	584.62	100.38
26 29 13 13-0046 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW11) .....	1,177.56	115.83
26 29 13 13-0047 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW1) .....	1,177.56	115.83
26 29 13 13-0048 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR1) .....	1,487.45	115.83
26 29 13 13-0049 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA1) .....	715.76	115.83
26 29 13 13-0050 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO1) .....	507.90	77.22
26 29 13 13-0051 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG2) .....	757.03	108.11
26 29 13 13-0052 EA NEMA 1, Non-Reversing Integral HP, 2 Pole, Toggle Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG2) .....	757.03	108.11
26 29 13 13-0053 EA NEMA 4, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW12) .....	1,393.53	123.55
26 29 13 13-0054 EA NEMA 4X, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW2) .....	1,393.53	123.55
26 29 13 13-0055 EA NEMA 7 And 9, Non-Reversing Integral HP, 2 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR2) .....	1,690.25	123.55
26 29 13 13-0056 EA Type 12, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA2) .....	891.22	123.55
26 29 13 13-0057 EA Open, Non-Reversing Integral HP, 2 Pole, Push Button Operator, NEMA Size M-1P, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO2) .....	683.36	84.94
26 29 13 13-0058 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBG2) .....	615.00	115.83
26 29 13 13-0059 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510TBG2) .....	615.00	115.83
26 29 13 13-0060 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW12) .....	1,107.69	131.27
26 29 13 13-0061 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBW2) .....	1,107.69	131.27
26 29 13 13-0062 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBR2) .....	1,403.40	131.27
26 29 13 13-0063 EA Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBA2) .....	747.16	131.27
26 29 13 13-0064 EA Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2510MBO2) .....	541.33	92.67
26 29 13 13-0065 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCG3) .....	703.37	123.55
26 29 13 13-0066 EA NEMA 1, Non-Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510TCG3) .....	703.37	123.55
26 29 13 13-0067 EA NEMA 4, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW13) .....	1,296.32	139.00
26 29 13 13-0068 EA NEMA 4X, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCW3) .....	1,296.32	139.00
26 29 13 13-0069 EA NEMA 7 And 9, Non-Reversing Integral HP, 3 Pole, External Toggle Operator To Actuate A Push Button Operator Inside, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCR3) .....	1,613.30	139.00

**26 Electrical**

**26 20 Low-Voltage Electrical Distribution**

**26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0070	EA		Type 12, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCA3).....	834.52	139.00
26 29 13 13-0071	EA		Open, Non-Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2510MCO3).....	626.66	100.38
<b>26 29 13 13-0072</b>			<b>Reversing Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0073	EA		NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBG1).....	1,386.19	162.16
26 29 13 13-0074	EA		NEMA 1, Reversing Integral HP, 3 Pole, Toggle Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511TBG1).....	1,386.19	162.16
26 29 13 13-0075	EA		Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2511MBO1).....	1,207.44	115.83
26 29 13 13-0076	EA		NEMA 1, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCG1).....	1,632.79	177.60
26 29 13 13-0077	EA		Open, Reversing Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2511MCO1).....	1,454.04	131.27
<b>26 29 13 13-0078</b>			<b>Two Speed Integral HP Manual Motor Starters (26 29 13 13-0001)</b>		
26 29 13 13-0079	EA		NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBG1).....	1,386.19	162.16
26 29 13 13-0080	EA		Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-0, Manual Motor Starter With Thermal Overload Protection (Square D 2512MBO1).....	1,207.44	115.83
26 29 13 13-0081	EA		NEMA 1, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCG1).....	1,632.79	177.60
26 29 13 13-0082	EA		Open, Two Speed Integral HP, 3 Pole, Push Button Operator, NEMA Size M-1, Manual Motor Starter With Thermal Overload Protection (Square D 2512MCO1).....	1,454.04	131.27
<b>26 29 13 13-0083</b>			<b>Magnetic Motor Starters (26 29 13 13)</b>		
<b>26 29 13 13-0084</b>			<b>Non-Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
<b>26 29 13 13-0085</b>			<b>Open Enclosure, Non-Reversing, Magnetic Contactors (26 29 13 13-0084)</b>		
26 29 13 13-0086	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO11).....	599.54	154.44
			<i>For Factory Installed Accessory, Deduct</i>	-308.89	
26 29 13 13-0087	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAO12).....	672.95	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	
26 29 13 13-0088	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO5).....	642.07	154.44
			<i>For Factory Installed Accessory, Deduct</i>	-308.89	
26 29 13 13-0089	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO1).....	716.50	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	
26 29 13 13-0090	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO2).....	789.93	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0091	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO3).....	997.03	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0092	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBO4).....	1,248.69	278.00
			<i>For Factory Installed Accessory, Deduct</i>	-555.99	
26 29 13 13-0093	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO5).....	743.84	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	
26 29 13 13-0094	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO1).....	817.27	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0095	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO2).....	892.72	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0096	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO3).....	1,147.17	270.27
			<i>For Factory Installed Accessory, Deduct</i>	-540.55	
26 29 13 13-0097	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCO4).....	1,397.82	316.60
			<i>For Factory Installed Accessory, Deduct</i>	-633.22	
26 29 13 13-0098	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO1).....	1,208.18	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0099	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO2).....	1,356.55	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0100	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDO3).....	1,771.26	308.89
			<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0101	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO1).....	1,789.99	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0102	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO2).....	2,060.89	308.89
			<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0103	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO3).....	2,618.39	386.11
			<i>For Factory Installed Accessory, Deduct</i>	-772.20	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0104	EA		Size 3, 3 Phase, 5 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEO4).....	3,696.44	463.33
			<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0105	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO1).....	3,974.42	386.11
			<i>For Factory Installed Accessory, Deduct</i>	-772.20	
26 29 13 13-0106	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO2).....	4,389.14	463.33
			<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0107	EA		Size 4, 3 Phase, 4 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFO3).....	5,898.59	540.55
			<i>For Factory Installed Accessory, Deduct</i>	-1,081.09	
26 29 13 13-0108	EA		Size 5, 1 Phase, 2 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO1).....	7,865.80	463.33
			<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0109	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGO2).....	8,781.30	617.77
			<i>For Factory Installed Accessory, Deduct</i>	-1,235.53	
26 29 13 13-0110	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHO2).....	22,450.99	926.65
			<i>For Factory Installed Accessory, Deduct</i>	-1,853.30	
26 29 13 13-0111	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJO2).....	32,177.16	1,389.98
			<i>For Factory Installed Accessory, Deduct</i>	-2,779.95	
<b>26 29 13 13-0112</b>			<b>NEMA 1, Non-Reversing, Magnetic Contactors <small>(26 29 13 13-0084)</small></b>		
26 29 13 13-0113	EA		Size 00, 1 Phase, 2 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG11).....	630.93	154.44
			<i>For Factory Installed Accessory, Deduct</i>	-308.89	
26 29 13 13-0114	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SAG12).....	704.35	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	
26 29 13 13-0115	EA		Size 0, 1 Phase, 1 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG5).....	673.47	154.44
			<i>For Factory Installed Accessory, Deduct</i>	-308.89	
26 29 13 13-0116	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG1).....	748.91	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	
26 29 13 13-0117	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG2).....	822.33	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0118	EA		Size 0, 3 Phase, 4 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG3).....	1,031.47	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0119	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBG4).....	1,284.13	278.00
			<i>For Factory Installed Accessory, Deduct</i>	-555.99	
26 29 13 13-0120	EA		Size 1, 1 Phase, 1 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG5).....	777.26	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	
26 29 13 13-0121	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG1).....	852.71	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0122	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG2).....	926.14	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0123	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG3).....	1,181.60	270.27
			<i>For Factory Installed Accessory, Deduct</i>	-540.55	
26 29 13 13-0124	EA		Size 1, 3 Phase, 5 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCG4).....	1,431.24	316.60
			<i>For Factory Installed Accessory, Deduct</i>	-633.22	
26 29 13 13-0125	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG1).....	1,358.06	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0126	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG2).....	1,507.44	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0127	EA		Size 2, 3 Phase, 4 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDG3).....	1,921.14	308.89
			<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0128	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG1).....	2,084.69	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0129	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG2).....	2,354.58	308.89
			<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0130	EA		Size 3, 3 Phase, 4 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEG3).....	2,913.09	386.11
			<i>For Factory Installed Accessory, Deduct</i>	-772.20	
26 29 13 13-0131	EA		Size 4, 1 Phase, 2 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG1).....	4,585.09	386.11
			<i>For Factory Installed Accessory, Deduct</i>	-772.20	
26 29 13 13-0132	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFG2).....	4,999.81	463.33
			<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0133	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGG2).....	9,894.28	617.77
			<i>For Factory Installed Accessory, Deduct</i>	-1,235.53	



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0134	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHG2).....	27,345.46	926.65
			<i>For Factory Installed Accessory, Deduct</i>	-1,853.30	
26 29 13 13-0135	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, NEMA 1 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SJG2).....	37,085.81	1,389.98
			<i>For Factory Installed Accessory, Deduct</i>	-2,779.95	
<b>26 29 13 13-0136</b>			<b>NEMA 12, Non-Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
26 29 13 13-0137	EA		Size 0, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA1).....	922.08	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	
26 29 13 13-0138	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBA2).....	995.51	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0139	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCA2).....	1,099.31	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0140	EA		Size 2, 1 Phase, 2 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA1).....	1,674.03	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0141	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDA2).....	1,824.42	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0142	EA		Size 3, 1 Phase, 2 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA1).....	2,459.40	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0143	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEA2).....	2,728.28	308.89
			<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0144	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFA2).....	6,240.39	463.33
			<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0145	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGA2).....	13,069.15	617.77
			<i>For Factory Installed Accessory, Deduct</i>	-1,235.53	
26 29 13 13-0146	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHA2).....	31,238.35	926.65
			<i>For Factory Installed Accessory, Deduct</i>	-1,853.30	
<b>26 29 13 13-0147</b>			<b>NEMA 4/4X, Non-Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0148	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBW12).....	1,327.68	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0149	EA		Size 1, 1 Phase, 2 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW11).....	1,372.24	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0150	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW12).....	1,445.66	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0151	EA		Size 1, 3 Phase, 4 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SCW13).....	1,701.13	270.27
			<i>For Factory Installed Accessory, Deduct</i>	-540.55	
26 29 13 13-0152	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SDW12).....	2,546.49	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0153	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SEW12).....	3,825.05	308.89
			<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0154	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SFW12).....	7,510.34	463.33
			<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0155	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SGW12).....	13,069.15	617.77
			<i>For Factory Installed Accessory, Deduct</i>	-1,235.53	
26 29 13 13-0156	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 4/4X Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SHW2).....	34,556.02	926.65
			<i>For Factory Installed Accessory, Deduct</i>	-1,853.30	
<b>26 29 13 13-0157</b>			<b>NEMA 7/9, Non-Reversing, Magnetic Contactors</b> <small>(26 29 13 13-0084)</small>		
			Note: Bolted cast iron enclosure.		
26 29 13 13-0158	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Non-Reversing, Magnetic Contactors (Square D 8502SBT2).....	2,590.55	247.11
			<i>For Factory Installed Accessory, Deduct</i>	-494.22	
<b>26 29 13 13-0159</b>			<b>Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0083)</small>		
<b>26 29 13 13-0160</b>			<b>Open Enclosure, Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0161	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO11).....	699.80	154.44
			<i>For Factory Installed Accessory, Deduct</i>	-308.89	
26 29 13 13-0162	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAO12).....	730.68	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	26 29 13 13-0163	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO1).....	780.30	169.89
				<i>For Factory Installed Accessory, Deduct</i>	-339.77	
	26 29 13 13-0164	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO2).....	861.83	185.33
				<i>For Factory Installed Accessory, Deduct</i>	-370.66	
	26 29 13 13-0165	EA		Size 0, 3 Phase, 5 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBO4).....	1,375.28	278.00
				<i>For Factory Installed Accessory, Deduct</i>	-555.99	
	26 29 13 13-0166	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO1).....	884.11	185.33
				<i>For Factory Installed Accessory, Deduct</i>	-370.66	
	26 29 13 13-0167	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO3).....	1,029.44	200.78
				<i>For Factory Installed Accessory, Deduct</i>	-401.55	
	26 29 13 13-0168	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCO2).....	1,071.97	200.78
				<i>For Factory Installed Accessory, Deduct</i>	-401.55	
	26 29 13 13-0169	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO6).....	1,300.34	185.33
				<i>For Factory Installed Accessory, Deduct</i>	-370.66	
	26 29 13 13-0170	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDO1).....	1,487.19	231.66
				<i>For Factory Installed Accessory, Deduct</i>	-463.33	
	26 29 13 13-0171	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEO1).....	2,276.60	308.89
				<i>For Factory Installed Accessory, Deduct</i>	-617.77	
	26 29 13 13-0172	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFO1).....	4,721.31	463.33
				<i>For Factory Installed Accessory, Deduct</i>	-926.65	
	26 29 13 13-0173	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGO1).....	10,503.93	617.77
				<i>For Factory Installed Accessory, Deduct</i>	-1,235.53	
	26 29 13 13-0174	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHO2).....	23,886.01	926.65
				<i>For Factory Installed Accessory, Deduct</i>	-1,853.30	
	26 29 13 13-0175	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SJO2).....	34,437.55	1,389.98
				<i>For Factory Installed Accessory, Deduct</i>	-2,779.95	
	<b>26 29 13 13-0176</b>			<b>NEMA 1, Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
	26 29 13 13-0177	EA		Size 00, 1 Phase, 2 Pole, .34 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG11).....	733.22	154.44
				<i>For Factory Installed Accessory, Deduct</i>	-308.89	
	26 29 13 13-0178	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SAG12).....	764.10	169.89
				<i>For Factory Installed Accessory, Deduct</i>	-339.77	
	26 29 13 13-0179	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG1).....	813.72	169.89
				<i>For Factory Installed Accessory, Deduct</i>	-339.77	
	26 29 13 13-0180	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBG2).....	895.25	185.33
				<i>For Factory Installed Accessory, Deduct</i>	-370.66	
	26 29 13 13-0181	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG1).....	916.52	185.33
				<i>For Factory Installed Accessory, Deduct</i>	-370.66	
	26 29 13 13-0182	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG3).....	999.05	200.78
				<i>For Factory Installed Accessory, Deduct</i>	-401.55	
	26 29 13 13-0183	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCG2).....	1,106.40	200.78
				<i>For Factory Installed Accessory, Deduct</i>	-401.55	
	26 29 13 13-0184	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG6).....	1,451.23	185.33
				<i>For Factory Installed Accessory, Deduct</i>	-370.66	
	26 29 13 13-0185	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDG1).....	1,638.08	231.66
				<i>For Factory Installed Accessory, Deduct</i>	-463.33	
	26 29 13 13-0186	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEG1).....	2,571.31	308.89
				<i>For Factory Installed Accessory, Deduct</i>	-617.77	
	26 29 13 13-0187	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFG1).....	5,331.98	463.33
				<i>For Factory Installed Accessory, Deduct</i>	-926.65	
	26 29 13 13-0188	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 1 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGG1).....	11,619.95	617.77
				<i>For Factory Installed Accessory, Deduct</i>	-1,235.53	
	<b>26 29 13 13-0189</b>			<b>NEMA 12, Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
	26 29 13 13-0190	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA1).....	986.90	169.89
				<i>For Factory Installed Accessory, Deduct</i>	-339.77	
	26 29 13 13-0191	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBA2).....	1,068.42	185.33
				<i>For Factory Installed Accessory, Deduct</i>	-370.66	

**26 Electrical**

**26 20 Low-Voltage Electrical Distribution**

**26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0192	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA1) ..... <i>For Factory Installed Accessory, Deduct</i>	1,089.69 -370.66	185.33
26 29 13 13-0193	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA3)..... <i>For Factory Installed Accessory, Deduct</i>	1,172.23 -401.55	200.78
26 29 13 13-0194	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCA2)..... <i>For Factory Installed Accessory, Deduct</i>	1,279.58 -401.55	200.78
26 29 13 13-0195	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA6)..... <i>For Factory Installed Accessory, Deduct</i>	1,768.21 -370.66	185.33
26 29 13 13-0196	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDA1)..... <i>For Factory Installed Accessory, Deduct</i>	1,954.05 -463.33	231.66
26 29 13 13-0197	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEA1)..... <i>For Factory Installed Accessory, Deduct</i>	2,945.00 -617.77	308.89
26 29 13 13-0198	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFA1)..... <i>For Factory Installed Accessory, Deduct</i>	6,571.55 -926.65	463.33
26 29 13 13-0199	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGA1)..... <i>For Factory Installed Accessory, Deduct</i>	14,791.79 -1,235.53	617.77
26 29 13 13-0200	EA		Size 6, 3 Phase, 3 Pole, 150 HP At 200 Volt, 200 HP At 230 Volt, 400 HP At 460/575 Volt, 540 Amperes, NEMA 12 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SHA2)..... <i>For Factory Installed Accessory, Deduct</i>	34,996.55 -1,853.30	926.65
<b>26 29 13 13-0201</b>			<b>NEMA 3R, Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
26 29 13 13-0202	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH1)..... <i>For Factory Installed Accessory, Deduct</i>	986.90 -339.77	169.89
26 29 13 13-0203	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBH2)..... <i>For Factory Installed Accessory, Deduct</i>	1,068.42 -370.66	185.33
26 29 13 13-0204	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH1)..... <i>For Factory Installed Accessory, Deduct</i>	1,089.69 -370.66	185.33
26 29 13 13-0205	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH3)..... <i>For Factory Installed Accessory, Deduct</i>	1,172.23 -401.55	200.78
26 29 13 13-0206	EA		Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 36 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCH2)..... <i>For Factory Installed Accessory, Deduct</i>	1,279.58 -401.55	200.78
26 29 13 13-0207	EA		Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH6)..... <i>For Factory Installed Accessory, Deduct</i>	1,768.21 -370.66	185.33
26 29 13 13-0208	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDH1)..... <i>For Factory Installed Accessory, Deduct</i>	1,954.05 -463.33	231.66
26 29 13 13-0209	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEH1)..... <i>For Factory Installed Accessory, Deduct</i>	2,945.00 -617.77	308.89
26 29 13 13-0210	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFH1)..... <i>For Factory Installed Accessory, Deduct</i>	6,571.55 -926.65	463.33
<b>26 29 13 13-0211</b>			<b>NEMA 3R/4/4X/7/9, Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small> Note: Bolted cast aluminum enclosure.		
26 29 13 13-0212	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT4)..... <i>For Factory Installed Accessory, Deduct</i>	2,702.46 -525.11	262.55
26 29 13 13-0213	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR1)..... <i>For Factory Installed Accessory, Deduct</i>	3,291.86 -525.11	262.55
26 29 13 13-0214	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCR3)..... <i>For Factory Installed Accessory, Deduct</i>	3,395.65 -555.99	278.00
26 29 13 13-0215	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDR1)..... <i>For Factory Installed Accessory, Deduct</i>	5,202.35 -617.77	308.89
26 29 13 13-0216	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SET43)..... <i>For Factory Installed Accessory, Deduct</i>	6,280.38 -772.20	386.11
26 29 13 13-0217	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 3R/4/4X/7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFT41)..... <i>For Factory Installed Accessory, Deduct</i>	9,970.74 -1,081.09	540.55
<b>26 29 13 13-0218</b>			<b>NEMA 4/4X, Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small> Note: Brushed stainless steel enclosure.		
26 29 13 13-0219	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW11)..... <i>For Factory Installed Accessory, Deduct</i>	1,318.06 -339.77	169.89
26 29 13 13-0220	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBW12)..... <i>For Factory Installed Accessory, Deduct</i>	1,400.60 -370.66	185.33

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0221 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW11).....	1,436.04	185.33
<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0222 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW13).....	1,518.58	200.78
<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0223 EA Size 1, 1 Phase, 2 Pole, 3 HP At 200/230 Volt, 7-1/2 HP At 460/575 Volt, 36 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCW12).....	1,625.93	200.78
<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0224 EA Size 2, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 45 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW16).....	2,488.26	185.33
<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0225 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW11).....	4,040.76	308.89
<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0226 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW11).....	7,840.48	463.33
<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0227 EA Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, NEMA 4/4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SGW11).....	17,231.43	617.77
<i>For Factory Installed Accessory, Deduct</i>	-1,235.53	
<b>26 29 13 13-0228 NEMA 4X, Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
Note: Glass polyester enclosure.		
26 29 13 13-0229 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDW21).....	2,677.13	231.66
<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0230 EA Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SEW21).....	4,897.52	308.89
<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0231 EA Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 4X Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SFW21).....	9,570.21	463.33
<i>For Factory Installed Accessory, Deduct</i>	-926.65	
<b>26 29 13 13-0232 NEMA 7/9, Non-Reversing, Magnetic Starters</b> <small>(26 29 13 13-0159)</small>		
Note: Bolted cast iron enclosure.		
26 29 13 13-0233 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT1).....	2,611.82	247.11
<i>For Factory Installed Accessory, Deduct</i>	-494.22	
26 29 13 13-0234 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SBT2).....	2,702.46	262.55
<i>For Factory Installed Accessory, Deduct</i>	-525.11	
26 29 13 13-0235 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT1).....	2,738.91	262.55
<i>For Factory Installed Accessory, Deduct</i>	-525.11	
26 29 13 13-0236 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT3).....	2,825.49	278.00
<i>For Factory Installed Accessory, Deduct</i>	-555.99	
26 29 13 13-0237 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 36 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SCT2).....	2,949.05	278.00
<i>For Factory Installed Accessory, Deduct</i>	-555.99	
26 29 13 13-0238 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 7/9 Enclosure, Full Voltage, Non-Reversing Magnetic Starter (Square D 8536SDT1).....	4,286.85	308.89
<i>For Factory Installed Accessory, Deduct</i>	-617.77	
<b>26 29 13 13-0239 Reversing, Magnetic Starters</b> <small>(26 29 13 13-0083)</small>		
<b>26 29 13 13-0240 Open Enclosure, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0241 EA Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO13).....	1,275.53	200.78
<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0242 EA Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAO16).....	1,339.33	200.78
<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0243 EA Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO1).....	1,479.59	216.22
<i>For Factory Installed Accessory, Deduct</i>	-432.44	
26 29 13 13-0244 EA Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO2).....	1,538.84	231.66
<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0245 EA Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBO10).....	1,574.28	231.66
<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0246 EA Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO2).....	1,684.16	247.11
<i>For Factory Installed Accessory, Deduct</i>	-494.22	
26 29 13 13-0247 EA Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO3).....	1,760.88	270.27
<i>For Factory Installed Accessory, Deduct</i>	-540.55	
26 29 13 13-0248 EA Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCO7).....	1,797.33	270.27
<i>For Factory Installed Accessory, Deduct</i>	-540.55	
26 29 13 13-0249 EA Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDO1).....	2,996.65	308.89
<i>For Factory Installed Accessory, Deduct</i>	-617.77	



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0250	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEO1).....	4,878.28	463.33
			<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0251	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230, 100 HP At 460/575 Volt, 135 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFO1).....	11,041.19	694.99
			<i>For Factory Installed Accessory, Deduct</i>	-1,389.98	
26 29 13 13-0252	EA		Size 5, 3 Phase, 3 Pole, 75 HP At 200 Volt, 100 HP At 230 Volt, 200 HP At 460/575 Volt, 270 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SGO1).....	20,395.17	926.65
			<i>For Factory Installed Accessory, Deduct</i>	-1,853.30	
26 29 13 13-0253	EA		Size 7, 3 Phase, 3 Pole, 300 HP At 230 Volt, 600 HP At 460/575 Volt, 810 Amperes, Open Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SJO1).....	65,426.76	1,698.86
			<i>For Factory Installed Accessory, Deduct</i>	-3,397.72	
<b>26 29 13 13-0254</b>			<b>NEMA 1, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0255	EA		Size 00, 1 Phase, 2 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG13).....	1,305.40	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0256	EA		Size 00, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG15).....	1,366.67	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0257	EA		Size 00, 3 Phase, 3 Pole, 1-1/2 HP At 200/230 Volt, 2 HP At 460/575 Volt, 9 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SAG16).....	1,403.13	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0258	EA		Size 0, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG1).....	1,540.35	216.22
			<i>For Factory Installed Accessory, Deduct</i>	-432.44	
26 29 13 13-0259	EA		Size 0, 1 Phase, 3 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG2).....	1,601.63	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0260	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBG4).....	1,638.08	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0261	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG2).....	1,775.31	247.11
			<i>For Factory Installed Accessory, Deduct</i>	-494.22	
26 29 13 13-0262	EA		Size 1, 1 Phase, 3 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG6).....	1,852.02	270.27
			<i>For Factory Installed Accessory, Deduct</i>	-540.55	
26 29 13 13-0263	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCG8).....	1,888.48	270.27
			<i>For Factory Installed Accessory, Deduct</i>	-540.55	
26 29 13 13-0264	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDG2).....	3,233.62	308.89
			<i>For Factory Installed Accessory, Deduct</i>	-617.77	
26 29 13 13-0265	EA		Size 3, 3 Phase, 3 Pole, 25 HP At 200 Volt, 30 HP At 230 Volt, 50 HP At 460/575 Volt, 90 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SEG2).....	5,288.43	463.33
			<i>For Factory Installed Accessory, Deduct</i>	-926.65	
26 29 13 13-0266	EA		Size 4, 3 Phase, 3 Pole, 40 HP At 200 Volt, 50 HP At 230 Volt, 100 HP At 460/575 Volt, 135 Amperes, NEMA 1 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SFG3).....	11,794.66	694.99
			<i>For Factory Installed Accessory, Deduct</i>	-1,389.98	
<b>26 29 13 13-0267</b>			<b>NEMA 12, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
26 29 13 13-0268	EA		Size 0, 1 Phase, 3 Pole, 3/4 HP At 115 Volt, 1 HP At 230 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA2).....	1,860.88	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0269	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBA4).....	1,897.34	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0270	EA		Size 1, 3 Phase, 3 Pole, 7-1/2 HP At 200/230 Volt, 10 HP At 460/575 Volt, 27 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCA4).....	2,147.74	270.27
			<i>For Factory Installed Accessory, Deduct</i>	-540.55	
26 29 13 13-0271	EA		Size 2, 3 Phase, 3 Pole, 10 HP At 200 Volt, 15 HP At 230 Volt, 25 HP At 460/575 Volt, 45 Amperes, NEMA 12 Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SDA1).....	3,667.07	308.89
			<i>For Factory Installed Accessory, Deduct</i>	-617.77	
<b>26 29 13 13-0272</b>			<b>NEMA 4X, Reversing, Magnetic Starters</b> <small>(26 29 13 13-0239)</small>		
			Note: Brushed stainless steel enclosure.		
26 29 13 13-0273	EA		Size 0, 3 Phase, 3 Pole, 3 HP At 200/230 Volt, 5 HP At 460/575 Volt, 18 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SBW14).....	2,300.40	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0274	EA		Size 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 27 Amperes, NEMA 4/4X Enclosure, Full Voltage, Reversing Magnetic Starter (Square D 8736SCW11).....	2,698.91	247.11
			<i>For Factory Installed Accessory, Deduct</i>	-494.22	
<b>26 29 13 13-0275</b>			<b>Magnetic Contactor/Starter Accessories</b> <small>(26 29 13 13-0083)</small>		
26 29 13 13-0276	EA		NEMA 1 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA2).....	172.57	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0277	EA		NEMA 12 Enclosure Start/Stop Push Button Kit, Contactor/Starter Accessory (Square D 9999SA3).....	286.90	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0278	EA		NEMA 1 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC2).....	172.57	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0279	EA		NEMA 12 Enclosure Selector Switch Kit, Contactor/Starter Accessory (Square D 9999SC8).....	286.90	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0280	EA		NEMA 1 And 12 Enclosure Red Pilot Light Kit, Contactor/Starter Accessory (Square D 9999SP2R).....	286.90	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0281	EA		Internal Non-Convertible Contact Block Kit, 1 Contact, Contactor/Starter Accessory (Square D 9999SX11).....	145.22	15.44
			<i>For Factory Installed Accessory, Deduct</i>	-30.89	
26 29 13 13-0282	EA		External Convertible Field Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX6) .....	130.21	15.44
			<i>For Factory Installed Accessory, Deduct</i>	-30.89	
26 29 13 13-0283	EA		External Convertible Field Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX8).....	172.57	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0284	EA		External Field Non-Convertible Contact, 1 Contact, Contactor/Starter Accessory (Square D 9999SX13).....	145.22	15.44
			<i>For Factory Installed Accessory, Deduct</i>	-30.89	
26 29 13 13-0285	EA		External Field Non-Convertible Contacts, 2 Contacts Or 1 Overlapping Contact, Contactor/Starter Accessory (Square D 9999SX15) .....	193.36	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0286	EA		30 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB6) .....	213.36	15.44
			<i>For Factory Installed Accessory, Deduct</i>	-30.89	
26 29 13 13-0287	EA		45 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB11).....	362.33	15.44
			<i>For Factory Installed Accessory, Deduct</i>	-30.89	
26 29 13 13-0288	EA		60 Amperes, 1 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB21) .....	384.28	15.44
			<i>For Factory Installed Accessory, Deduct</i>	-30.89	
26 29 13 13-0289	EA		30 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB8) .....	460.13	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0290	EA		45 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB13) .....	796.19	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0291	EA		60 Amperes, 2 Contact Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SB23) .....	796.19	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0292	EA		Adapter Bracket For Power Pole Adder Kit, Contactor/Starter Accessory (Square D 9999SBT1).....	53.31	11.58
			<i>For Factory Installed Accessory, Deduct</i>	-23.16	
26 29 13 13-0293	EA		1 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF3).....	104.80	15.44
			<i>For Factory Installed Accessory, Deduct</i>	-30.89	
26 29 13 13-0294	EA		2 Pole Control Circuit Fuse Holder, Contactor/Starter Accessory (Square D 9999SF4).....	137.93	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0295	EA		Transient Suppression Module, Contactor/Starter Accessory (Square D 9999ST1).....	110.21	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
26 29 13 13-0296	EA		Terminal Block, Contactor/Starter Accessory (Square D 9999T7).....	61.63	11.58
			<i>For Factory Installed Accessory, Deduct</i>	-23.16	
26 29 13 13-0297	EA		Closing Plate For NEMA 1 Enclosures, Contactor/Starter Accessory (Square D 9999SG1) .....	39.68	11.58
			<i>For Factory Installed Accessory, Deduct</i>	-23.16	
26 29 13 13-0298	EA		1 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R39) .....	186.80	15.44
			<i>For Factory Installed Accessory, Deduct</i>	-30.89	
26 29 13 13-0299	EA		2 Pole Disconnect Switch And Breaker Interlock, Contactor/Starter Accessory (Square D 9999R40) .....	319.24	19.31
			<i>For Factory Installed Accessory, Deduct</i>	-38.61	
<b>26 29 13 13-0300</b>			<b>Definite Purpose Starters</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0301</b>			<b>Open Enclosure, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0302	EA		Open Enclosure, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO13) .....	671.44	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0303	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO22) .....	670.42	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0304	EA		Open Enclosure, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO23) .....	725.62	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0305	EA		Open Enclosure, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO32) .....	707.90	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0306	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO33) .....	769.17	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	
26 29 13 13-0307	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO42) .....	740.30	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0308	EA		Open Enclosure, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO43) .....	867.40	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0309	EA		Open Enclosure, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO52) .....	951.46	231.66
			<i>For Factory Installed Accessory, Deduct</i>	-463.33	
26 29 13 13-0310	EA		Open Enclosure, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSO53) .....	1,186.66	270.27
			<i>For Factory Installed Accessory, Deduct</i>	-540.55	
<b>26 29 13 13-0311</b>			<b>NEMA 1, Definite Purpose Starter</b> <small>(26 29 13 13-0300)</small>		
26 29 13 13-0312	EA		NEMA 1, 1 Phase, 2 Pole, 1 HP At 115 Volt, 2 HP At 230 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG12) .....	675.99	169.89
			<i>For Factory Installed Accessory, Deduct</i>	-339.77	
26 29 13 13-0313	EA		NEMA 1, 3 Phase, 3 Pole, 3 HP At 230 Volt, 5 HP At 460/575 Volt, 20 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG13) .....	731.19	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0314	EA		NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 3 HP At 230 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG22) .....	729.16	185.33
			<i>For Factory Installed Accessory, Deduct</i>	-370.66	
26 29 13 13-0315	EA		NEMA 1, 3 Phase, 3 Pole, 7.5 HP At 230 Volt, 10 HP At 460/575 Volt, 25 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG23) .....	787.40	200.78
			<i>For Factory Installed Accessory, Deduct</i>	-401.55	

**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 29 13 13-0316	EA	NEMA 1, 1 Phase, 2 Pole, 2 HP At 115 Volt, 5 HP At 230 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG32) .....	767.65		185.33
		<i>For Factory Installed Accessory, Deduct</i> .....	-370.66		
26 29 13 13-0317	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 15 HP At 460/575 Volt, 30 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG33) .....	829.93		200.78
		<i>For Factory Installed Accessory, Deduct</i> .....	-401.55		
26 29 13 13-0318	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 7-1/2 HP At 230 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG42) .....	802.08		185.33
		<i>For Factory Installed Accessory, Deduct</i> .....	-370.66		
26 29 13 13-0319	EA	NEMA 1, 3 Phase, 3 Pole, 10 HP At 230 Volt, 20 HP At 460/575 Volt, 40 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG43) .....	928.17		231.66
		<i>For Factory Installed Accessory, Deduct</i> .....	-463.33		
26 29 13 13-0320	EA	NEMA 1, 1 Phase, 2 Pole, 3 HP At 115 Volt, 10 HP At 230 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG52) .....	1,009.19		231.66
		<i>For Factory Installed Accessory, Deduct</i> .....	-463.33		
26 29 13 13-0321	EA	NEMA 1, 3 Phase, 3 Pole, 15 HP At 230 Volt, 30 HP At 460/575 Volt, 50 Amperes, Definite Purpose Starter With Thermal Overload Protection (Square D 8911DPSG53) .....	1,245.40		270.27
		<i>For Factory Installed Accessory, Deduct</i> .....	-540.55		
<b>26 29 13 13-0322</b>		<b>Definite Purpose Starter Accessory</b> <small>(26 29 13 13-0300)</small>			
26 29 13 13-0323	EA	Start-Stop Push Button Kit, Definite Purpose Starter Accessory .....	193.36		19.31
		Note: Or Hand-Off-Auto Selector Switch Kit .....			
		<i>For Factory Installed Accessory, Deduct</i> .....	-38.61		
<b>26 29 13 13-0324</b>		<b>Panel Mounted Miniature Contactor</b> <small>(26 29 13 13)</small>			
<b>26 29 13 13-0325</b>		<b>Non-Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>			
26 29 13 13-0326	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	212.16		77.22
26 29 13 13-0327	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	245.84		84.94
26 29 13 13-0328	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	245.84		84.94
26 29 13 13-0329	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LC1K) .....	272.42		92.67
26 29 13 13-0330	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	230.39		77.22
26 29 13 13-0331	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	240.52		77.22
26 29 13 13-0332	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	263.06		84.94
26 29 13 13-0333	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	273.19		84.94
26 29 13 13-0334	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	269.14		84.94
26 29 13 13-0335	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	273.19		84.94
26 29 13 13-0336	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	292.68		92.67
26 29 13 13-0337	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	279.26		84.94
26 29 13 13-0338	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP1K) .....	302.81		92.67
26 29 13 13-0339	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	281.29		84.94
26 29 13 13-0340	EA	3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	281.29		84.94
26 29 13 13-0341	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	312.93		92.67
26 29 13 13-0342	EA	3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Non-Reversing, Panel Mounted Miniature Contactor (Square D LP4K) .....	312.93		92.67
<b>26 29 13 13-0343</b>		<b>Reversing, Panel Mounted Miniature Contactor</b> <small>(26 29 13 13-0324)</small>			
26 29 13 13-0344	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) .....	286.09		77.22
26 29 13 13-0345	EA	3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K) .....	306.35		77.22

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0346 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	339.01	84.94
26 29 13 13-0347 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	339.01	84.94
26 29 13 13-0348 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, AC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	359.27	84.94
26 29 13 13-0349 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	378.76	92.67
26 29 13 13-0350 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 4 Pole, Without Auxiliary Contacts, 12 Amperes, 20 Amperes, AC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LC2K).....	378.76	92.67
26 29 13 13-0351 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	323.56	77.22
26 29 13 13-0352 EA 3 Phase (1-1/2 HP At 200/230 Volt, 3 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 6 Amperes, 15 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	343.82	77.22
26 29 13 13-0353 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	374.46	84.94
26 29 13 13-0354 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	394.71	84.94
26 29 13 13-0355 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	420.28	92.67
26 29 13 13-0356 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP2K).....	440.54	92.67
26 29 13 13-0357 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	363.32	84.94
26 29 13 13-0358 EA 3 Phase (2 HP At 200 Volt, 3 HP At 230 Volt, 5 HP At 460/575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 9 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	410.92	84.94
26 29 13 13-0359 EA 3 Phase (3 HP At 200/230 Volt, 7-1/2 HP At 460 Volt, 10 HP At 575 Volt), 1 Phase (1/2 HP At 115 Volt, 1-1/2 HP At 230 Volt), 3 Pole, Auxiliary Contacts, 12 Amperes, 20 Amperes, DC Low Consumption Coil With Integral Suppression, Reversing, Panel Mounted Miniature Contactor (Square D LP5K).....	462.81	92.67
<b>26 29 13 13-0360 Panel Mounted Miniature Contactor Accessories</b> <small>(26 29 13 13-0324)</small>		
26 29 13 13-0361 EA 2 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN02).....	93.12	38.61
26 29 13 13-0362 EA 4 Auxiliary Contacts, 10 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA1KN40).....	100.94	38.61
26 29 13 13-0363 EA Electronic Time Delay Contact, 2 Amperes, Panel Mounted Miniature Contactor Accessory (Square D LA2KT2U).....	115.10	38.61
26 29 13 13-0364 EA Overload Relay, Panel Mounted Miniature Contactor Accessory (Square D LR2K0301).....	143.26	38.61
<b>26 29 13 13-0365 Reduced Voltage Auto Transformer Type 240-600 Volt, 3 Pole</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0366 NEMA 1 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0367 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,594.84	739.90
For NEMA 4, Add	760.45	
26 29 13 13-0368 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	13,088.37	986.52
For NEMA 4, Add	1,389.02	
26 29 13 13-0369 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	22,616.92	1,171.50
For NEMA 4, Add	2,535.17	
26 29 13 13-0370 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	54,407.60	1,433.55
For NEMA 4, Add	6,444.13	
26 29 13 13-0371 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 1, 240 - 600 Volt, 3 Pole, Non-Reversing.....	86,571.38	1,834.32
For NEMA 4, Add	10,362.66	
<b>26 29 13 13-0372 NEMA 12 Enclosure</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0373 EA Reduced Voltage Auto Transformer Starter, Size 3, 50 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	7,544.17	755.62
26 29 13 13-0374 EA Reduced Voltage Auto Transformer Starter, Size 4, 100 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	12,995.82	988.07
26 29 13 13-0375 EA Reduced Voltage Auto Transformer Starter, Size 5, 200 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	22,447.99	1,167.80
26 29 13 13-0376 EA Reduced Voltage Auto Transformer Starter, Size 6, 300 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	53,978.20	1,427.22
26 29 13 13-0377 EA Reduced Voltage Auto Transformer Starter, Size 7, 600 HP, NEMA 12, 240 - 600 Volt, 3 Pole, Non-Reversing.....	85,880.87	1,835.09
<b>26 29 13 13-0378 Factory Modifications Pilot Devices</b> <small>(26 29 13 13-0365)</small>		
26 29 13 13-0379 EA Start-Stop Push-button, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	179.16	
26 29 13 13-0380 EA H-O-A Select Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	197.60	
26 29 13 13-0381 EA Forward-Reverse-Stop, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	336.35	
26 29 13 13-0382 EA Pilot Light, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	182.75	
26 29 13 13-0383 EA Fused Control Circuit, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	262.77	
26 29 13 13-0384 EA Auxiliary Interlock, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	131.39	
26 29 13 13-0385 EA Auxiliary Relay, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Pilot Device.....	428.84	

**26 Electrical**  
**26 20 Low-Voltage Electrical Distribution**  
**26 29 Low-Voltage Controllers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 29 13 13-0386		<b>Factory Modifications Meters</b> <small>(26 29 13 13-0386)</small>			
26 29 13 13-0387	EA	Ammeter And Switch, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,723.80		
26 29 13 13-0388	EA	Voltmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	1,664.95		
26 29 13 13-0389	EA	Wattmeter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	588.61		
26 29 13 13-0390	EA	Elapsed-time Meter, Factory Modification Reduced Voltage Auto Transformer Starter, 240 - 600 Volt, 3 Phase, Meter .....	487.73		
26 29 13 13-0391		<b>Factory Modifications Main Circuit Breakers</b> <small>(26 29 13 13-0391)</small>			
26 29 13 13-0392	EA	Reduced Voltage Auto Transformer Starter, Size 3, Circuit Breaker, Factory Modification Main Circuit Breaker .....	2,278.25		
26 29 13 13-0393	EA	Reduced Voltage Auto Transformer Starter, Size 4, Circuit Breaker, Factory Modification Main Circuit Breaker .....	4,166.64		
26 29 13 13-0394	EA	Reduced Voltage Auto Transformer Starter, Size 5-7, Circuit Breaker, Factory Modification Main Circuit Breaker .....	8,862.86		
26 29 13 13-0395		<b>Factory Modifications Addition</b> <small>(26 29 13 13-0395)</small>			
Note: For reversing service auto transformer type.					
26 29 13 13-0396	EA	Reduced Voltage Auto Transformer Starter, Size 3, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	382.62		
26 29 13 13-0397	EA	Reduced Voltage Auto Transformer Starter, Size 4, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	382.62		
26 29 13 13-0398	EA	Reduced Voltage Auto Transformer Starter, Size 5, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	382.62		
26 29 13 13-0399	EA	Reduced Voltage Auto Transformer Starter, Size 6, 7, Factory Modification For Reversing Type 240 - 600 Volt, 3 Phase .....	382.62		
26 29 13 13-0400		<b>Combination Starters Non-Reversing</b> <small>(26 29 13 13)</small>			
26 29 13 13-0401		<b>240-600 Volt, 3-Pole</b> <small>(26 29 13 13-0400)</small>			
26 29 13 13-0402		<b>NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>			
26 29 13 13-0403	EA	Combination Starter, Size 0, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,604.14	354.53	
		<i>For Electronic Overloads, Add</i>	169.20		
26 29 13 13-0404	EA	Combination Starter, Size 1, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,056.43	554.92	
		<i>For Electronic Overloads, Add</i>	178.49		
26 29 13 13-0405	EA	Combination Starter, Size 2, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,771.99	647.41	
		<i>For Electronic Overloads, Add</i>	282.62		
26 29 13 13-0406	EA	Combination Starter, Size 3, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,081.50	801.55	
		<i>For Electronic Overloads, Add</i>	470.41		
26 29 13 13-0407	EA	Combination Starter, Size 4, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	7,344.57	1,279.41	
		<i>For Electronic Overloads, Add</i>	907.34		
26 29 13 13-0408	EA	Combination Starter, Size 5, NEMA 1 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	13,933.36	1,603.11	
		<i>For Electronic Overloads, Add</i>	2,037.18		
26 29 13 13-0409		<b>NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>			
26 29 13 13-0410	EA	Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	1,956.43	354.53	
		<i>For Electronic Overloads, Add</i>	236.13		
26 29 13 13-0411	EA	Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,408.72	554.92	
		<i>For Electronic Overloads, Add</i>	245.43		
26 29 13 13-0412	EA	Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,114.49	647.41	
		<i>For Electronic Overloads, Add</i>	347.69		
26 29 13 13-0413	EA	Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,267.43	801.55	
		<i>For Electronic Overloads, Add</i>	505.73		
26 29 13 13-0414	EA	Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	8,411.22	1,279.41	
		<i>For Electronic Overloads, Add</i>	1,110.01		
26 29 13 13-0415	EA	Combination Starter, Size 5, NEMA 1 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase .....	16,761.47	1,603.11	
		<i>For Electronic Overloads, Add</i>	2,574.52		
26 29 13 13-0416		<b>Factory Modifications For NEMA 1 Enclosure</b> <small>(26 29 13 13-0401)</small>			
26 29 13 13-0417	EA	Start-Stop Push-button, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt .....	160.43		
26 29 13 13-0418	EA	H-O-A Select Switch, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt .....	376.81		
26 29 13 13-0419	EA	Pilot Light, Factory Modifications - NEMA 1 Combination Motor Starter, 240 - 600 Volt .....	260.06		
26 29 13 13-0420		<b>NEMA 4 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>			
26 29 13 13-0421	EA	Combination Starter, Size 0, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	2,781.46	462.44	
		<i>For Electronic Overloads, Add</i>	347.69		
26 29 13 13-0422	EA	Combination Starter, Size 1, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	3,163.42	647.41	
		<i>For Electronic Overloads, Add</i>	356.99		
26 29 13 13-0423	EA	Combination Starter, Size 2, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	4,363.01	709.07	
		<i>For Electronic Overloads, Add</i>	557.79		
26 29 13 13-0424	EA	Combination Starter, Size 3, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	6,713.28	863.21	
		<i>For Electronic Overloads, Add</i>	950.11		
26 29 13 13-0425	EA	Combination Starter, Size 4, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	10,573.89	1,279.41	
		<i>For Electronic Overloads, Add</i>	1,520.91		
26 29 13 13-0426	EA	Combination Starter, Size 5, NEMA 4 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase .....	22,173.03	1,603.11	
		<i>For Electronic Overloads, Add</i>	3,602.72		
26 29 13 13-0427		<b>NEMA 4 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>			



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0428 EA Combination Starter, Size 0, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,133.75 414.63	462.44
26 29 13 13-0429 EA Combination Starter, Size 1, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,515.71 423.92	647.41
26 29 13 13-0430 EA Combination Starter, Size 2, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	4,705.51 622.87	709.07
26 29 13 13-0431 EA Combination Starter, Size 3, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	6,899.21 985.43	863.21
26 29 13 13-0432 EA Combination Starter, Size 4, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	11,640.55 1,723.58	1,279.41
26 29 13 13-0433 EA Combination Starter, Size 5, NEMA 4 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	21,067.23 3,392.62	1,603.11
<b>26 29 13 13-0434 Factory Modifications For NEMA 4 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0435 EA Start-Stop Push-button, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	160.45	
26 29 13 13-0436 EA H-O-A Select Switch, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	376.81	
26 29 13 13-0437 EA Pilot Light, Factory Modifications - NEMA 4 Combination Motor Starter, 240 - 600 Volt.....	260.06	
<b>26 29 13 13-0438 NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0439 EA Combination Starter, Size 0, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	1,648.66 177.66	356.84
26 29 13 13-0440 EA Combination Starter, Size 1, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,103.40 187.42	558.47
26 29 13 13-0441 EA Combination Starter, Size 2, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,846.36 296.75	642.32
26 29 13 13-0442 EA Combination Starter, Size 3, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	4,205.28 493.92	802.78
26 29 13 13-0443 EA Combination Starter, Size 4, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	7,583.34 952.71	1,284.64
26 29 13 13-0444 EA Combination Starter, Size 5, NEMA 12 With Disconnect Switch Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	14,469.45 2,139.04	1,605.57
<b>26 29 13 13-0445 NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0446 EA Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,069.32 257.58	356.84
26 29 13 13-0447 EA Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	2,526.06 267.72	558.47
26 29 13 13-0448 EA Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	3,280.72 379.27	642.32
26 29 13 13-0449 EA Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	4,509.21 551.67	802.78
26 29 13 13-0450 EA Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	8,941.91 1,210.84	1,284.64
26 29 13 13-0451 EA Combination Starter, Size 5, NEMA 12 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase..... <i>For Electronic Overloads, Add</i>	17,992.33 2,808.39	1,605.57
<b>26 29 13 13-0452 Factory Modifications For NEMA 12 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0453 EA Start-Stop Push-button, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	159.12	
26 29 13 13-0454 EA H-O-A Select Switch, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	373.68	
26 29 13 13-0455 EA Pilot Light, Factory Modifications - NEMA 12 Combination Motor Starter, 240 - 600 Volt.....	257.90	
<b>26 29 13 13-0456 NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0457 EA Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	3,503.52	739.90
26 29 13 13-0458 EA Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	4,737.49	986.52
26 29 13 13-0459 EA Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	5,313.99	1,356.48
26 29 13 13-0460 EA Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	7,800.55	1,849.73
26 29 13 13-0461 EA Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Non-Reversing, 240 - 600 Volt, 3 Phase.....	11,641.10	2,589.63
<b>26 29 13 13-0462 Factory Modifications For NEMA 7 Or 9 Enclosure</b> <small>(26 29 13 13-0401)</small>		
26 29 13 13-0463 EA Start-Stop Push-button, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	954.10	
26 29 13 13-0464 EA H-O-A Select Switch, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	954.10	
26 29 13 13-0465 EA Pilot Light, Factory Modifications - NEMA 7 Or 9 Combination Motor Starter, 240 - 600 Volt.....	954.10	
<b>26 29 13 13-0466 Combination Starters Reversing</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0467 240-600 Volt, 3 Pole</b> <small>(26 29 13 13-0466)</small>		
<b>26 29 13 13-0468 NEMA 1 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0469 EA Combination Starter, Size 0, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,012.71	462.44
26 29 13 13-0470 EA Combination Starter, Size 1, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	2,416.81	647.41
26 29 13 13-0471 EA Combination Starter, Size 2, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	3,319.90	709.07
26 29 13 13-0472 EA Combination Starter, Size 3, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	4,848.95	863.21
26 29 13 13-0473 EA Combination Starter, Size 4, NEMA 1 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase.....	9,137.64	1,279.41
<b>26 29 13 13-0474 NEMA 1 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0475 EA Combination Starter, Size 0, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,198.59	462.44
26 29 13 13-0476 EA Combination Starter, Size 1, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,615.22	647.41
26 29 13 13-0477 EA Combination Starter, Size 2, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,552.17	709.07



**26 Electrical****26 20 Low-Voltage Electrical Distribution****26 29 Low-Voltage Controllers**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 29 13 13-0478	EA		Combination Starter, Size 3, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,529.17	863.21
26 29 13 13-0479	EA		Combination Starter, Size 4, NEMA 1 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	9,765.92	1,279.41
<b>26 29 13 13-0480</b>			<b>NEMA 12 With Disconnect Switch</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0481	EA		Combination Starter, Size 0, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,120.80	475.84
26 29 13 13-0482	EA		Combination Starter, Size 1, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	2,532.13	642.32
26 29 13 13-0483	EA		Combination Starter, Size 2, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	3,512.67	713.69
26 29 13 13-0484	EA		Combination Starter, Size 3, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	5,168.40	856.43
26 29 13 13-0485	EA		Combination Starter, Size 4, NEMA 12 With Disconnect Switch, Reversing, 240 - 600 Volt, 3 Phase .....	9,806.69	1,284.64
<b>26 29 13 13-0486</b>			<b>NEMA 12 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0487	EA		Combination Starter, Size 0, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,325.61	475.84
26 29 13 13-0488	EA		Combination Starter, Size 1, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	2,750.76	642.32
26 29 13 13-0489	EA		Combination Starter, Size 2, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	3,768.61	713.69
26 29 13 13-0490	EA		Combination Starter, Size 3, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,816.04	856.43
26 29 13 13-0491	EA		Combination Starter, Size 4, NEMA 12 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,498.96	1,284.64
<b>26 29 13 13-0492</b>			<b>NEMA 7 Or 9 With Circuit Breaker</b> <small>(26 29 13 13-0467)</small>		
26 29 13 13-0493	EA		Combination Starter, Size 0, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,299.09	986.52
26 29 13 13-0494	EA		Combination Starter, Size 1, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	4,716.56	1,233.16
26 29 13 13-0495	EA		Combination Starter, Size 2, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	6,686.08	1,603.11
26 29 13 13-0496	EA		Combination Starter, Size 3, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	10,382.09	2,096.37
26 29 13 13-0497	EA		Combination Starter, Size 4, NEMA 7 Or 9 With Circuit Breaker, Reversing, 240 - 600 Volt, 3 Phase.....	18,395.15	2,836.26
<b>26 29 13 13-0498</b>			<b>Solid State Motor Controllers</b> <small>(26 29 13 13)</small>		
<b>26 29 13 13-0499</b>			<b>Adjustable Voltage Drives, DC Motors</b> <small>(26 29 13 13-0498)</small>		
26 29 13 13-0500	EA		0.5-1.5 HP DC Solid State Motor Controller, Reversing With Dynamic Braking .....	1,536.21	277.46
26 29 13 13-0501	EA		0.5-2.0 HP DC Solid State Motor Controller, Non-Reversing With Dynamic Braking.....	1,796.31	277.46
<b>26 29 13 13-0502</b>			<b>Removal And Reinstallation Of Motor Starters</b> <small>(26 29 13 13)</small>		
			Note: Includes storage and cleaning.		
26 29 13 13-0503	EA		Removal And Reinstallation Of Up To 25 HP Motor Starter With Disconnect.....	1,101.03	
<b>26 29 13 13-0504</b>			<b>Auxiliary Devices</b> <small>(26 29 13 13)</small>		
26 29 13 13-0505	EA		Normally Open, Auxiliary Contact .....	510.80	154.14
26 29 13 13-0506	EA		Normally Closed, Auxiliary Contact.....	510.80	154.14
26 29 13 13-0507	EA		Pilot Light Kit.....	531.23	154.14
<b>26 29 23</b>			<b>Variable-Frequency Motor Controllers</b> <small>(26 29)</small>		
<b>26 29 23 00-0001</b>			<b>208/230 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small>		
			Note: 1 or 3 phase. Wall mounted. ABB ACH580 Series. Includes full voltage bypass with main input circuit breaker. NEMA 1 enclosure.		
26 29 23 00-0002	EA		3/4 HP, 208/230 Volt Variable Frequency Drive .....	2,540.49	562.00
			For 6-Pulse Drive Package, Deduct .....	-778.99	
26 29 23 00-0003	EA		1 HP, 208/230 Volt Variable Frequency Drive .....	2,853.35	614.23
			For 6-Pulse Drive Package, Deduct .....	-896.81	
26 29 23 00-0004	EA		1-1/2 HP, 208/230 Volt Variable Frequency Drive .....	3,303.95	675.39
			For 6-Pulse Drive Package, Deduct .....	-1,074.24	
26 29 23 00-0005	EA		2 HP, 208/230 Volt Variable Frequency Drive .....	3,462.00	649.20
			For 6-Pulse Drive Package, Deduct .....	-1,189.97	
26 29 23 00-0006	EA		3 HP, 208/230 Volt Variable Frequency Drive .....	3,715.30	707.81
			For 6-Pulse Drive Package, Deduct .....	-1,264.82	
26 29 23 00-0007	EA		5 HP, 208/230 Volt Variable Frequency Drive .....	3,998.82	707.81
			For 6-Pulse Drive Package, Deduct .....	-1,420.76	
26 29 23 00-0008	EA		7.5 HP, 208/230 Volt Variable Frequency Drive .....	4,777.49	845.12
			For 6-Pulse Drive Package, Deduct .....	-1,697.98	
26 29 23 00-0009	EA		10 HP, 208/230 Volt Variable Frequency Drive .....	5,187.03	845.12
			For 6-Pulse Drive Package, Deduct .....	-1,923.23	
26 29 23 00-0010	EA		15 HP, 208/230 Volt Variable Frequency Drive .....	6,892.33	1,272.50
			For 6-Pulse Drive Package, Deduct .....	-2,391.04	
26 29 23 00-0011	EA		20 HP, 208/230 Volt Variable Frequency Drive .....	8,026.43	1,272.50
			For 6-Pulse Drive Package, Deduct .....	-3,014.79	
26 29 23 00-0012	EA		25 HP, 208/230 Volt Variable Frequency Drive .....	9,838.65	1,690.39
			For 6-Pulse Drive Package, Deduct .....	-3,551.91	
26 29 23 00-0013	EA		30 HP, 208/230 Volt Variable Frequency Drive .....	11,256.26	1,690.39
			For 6-Pulse Drive Package, Deduct .....	-4,331.59	
26 29 23 00-0014	EA		40 HP, 208/230 Volt Variable Frequency Drive .....	12,484.86	1,690.39
			For 6-Pulse Drive Package, Deduct .....	-5,007.32	
26 29 23 00-0015	EA		50 HP, 208/230 Volt Variable Frequency Drive .....	16,433.56	2,136.88
			For 6-Pulse Drive Package, Deduct .....	-6,687.98	
26 29 23 00-0016	EA		60 HP, 208/230 Volt Variable Frequency Drive .....	19,798.91	2,527.87
			For 6-Pulse Drive Package, Deduct .....	-8,108.74	
26 29 23 00-0017	EA		75 HP, 208/230 Volt Variable Frequency Drive .....	22,319.11	2,527.87
			For 6-Pulse Drive Package, Deduct .....	-9,494.85	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 29 23 00-0018</b>		<b>460/480 Volt, Ultra Low Harmonic (ULH) Variable Frequency Drives</b> <small>(26 29 23)</small>			
		<small>Note: 3 Phase. ABB ACH580 Series. Includes full voltage bypass with main circuit breaker. NEMA 1 enclosure.</small>			
26 29 23 00-0019	EA	3 HP, 480 Volt Variable Frequency Drive	.....	5,928.67	1,011.17
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-2,148.47	
26 29 23 00-0020	EA	5 HP, 480 Volt Variable Frequency Drive	.....	6,117.68	1,011.17
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-2,252.43	
26 29 23 00-0021	EA	7.5 HP, 480 Volt Variable Frequency Drive	.....	6,725.36	1,204.83
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-2,373.71	
26 29 23 00-0022	EA	10 HP, 480 Volt Variable Frequency Drive	.....	6,756.86	1,204.83
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-2,391.04	
26 29 23 00-0023	EA	15 HP, 480 Volt Variable Frequency Drive	.....	9,134.58	1,826.57
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-3,014.79	
26 29 23 00-0024	EA	20 HP, 480 Volt Variable Frequency Drive	.....	9,575.61	1,826.57
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-3,257.36	
26 29 23 00-0025	EA	25 HP, 480 Volt Variable Frequency Drive	.....	11,592.23	2,409.66
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-3,725.17	
26 29 23 00-0026	EA	30 HP, 480 Volt Variable Frequency Drive	.....	13,167.35	2,409.66
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-4,591.49	
26 29 23 00-0027	EA	40 HP, 480 Volt Variable Frequency Drive	.....	14,805.48	2,409.66
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-5,492.46	
26 29 23 00-0028	EA	50 HP, 480 Volt Variable Frequency Drive	.....	19,352.61	3,060.85
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-7,277.08	
26 29 23 00-0029	EA	60 HP, 480 Volt Variable Frequency Drive	.....	25,657.03	3,629.79
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-10,118.60	
26 29 23 00-0030	EA	75 HP, 480 Volt Variable Frequency Drive	.....	27,169.15	3,629.79
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-10,950.27	
26 29 23 00-0031	EA	100 HP, 480 Volt Variable Frequency Drive	.....	31,401.12	4,044.70
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-12,821.52	
26 29 23 00-0032	EA	125 HP, 480 Volt Variable Frequency Drive	.....	33,039.25	4,044.70
		<small>Note: Wall mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-13,722.49	
26 29 23 00-0033	EA	150 HP, 480 Volt Variable Frequency Drive	.....	36,441.52	4,044.70
		<small>Note: Floor mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-15,593.74	
26 29 23 00-0034	EA	200 HP, 480 Volt Variable Frequency Drive	.....	42,147.52	4,881.48
		<small>Note: Floor mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-17,811.51	
26 29 23 00-0035	EA	250 HP, 480 Volt Variable Frequency Drive	.....	52,391.87	5,099.34
		<small>Note: Floor mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-23,206.25	
26 29 23 00-0036	EA	300 HP, 480 Volt Variable Frequency Drive	.....	61,400.98	5,851.32
		<small>Note: Floor mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-27,334.09	
26 29 23 00-0037	EA	350 HP, 480 Volt Variable Frequency Drive	.....	70,504.14	6,345.93
		<small>Note: Floor mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-31,796.67	
26 29 23 00-0038	EA	400 HP, 480 Volt Variable Frequency Drive	.....	81,539.42	6,852.30
		<small>Note: Floor mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-37,309.23	
26 29 23 00-0039	EA	450 HP, 480 Volt Variable Frequency Drive	.....	87,895.30	7,430.58
		<small>Note: Floor mounted.</small>			
		<small>For 6-Pulse Drive Package, Deduct</small>			
				-40,168.78	

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 31 Photovoltaic Collectors** (26 30)

<b>26 31 00 00-0001</b>		<b>Rigid Photovoltaic Modules</b> <small>(26 31)</small>			
<b>26 31 00 00-0002</b>		<b>Sanyo Rigid Photovoltaic Modules</b> <small>(26 31 00 00-0001)</small>			
26 31 00 00-0003	EA	205 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.3% Module Efficiency (Sanyo HIP-205NHKA6).....		2,293.60	146.44
		<small>For &gt;25 To 50, Deduct</small>			
				-164.70	
		<small>For &gt;50 To 100, Deduct</small>			
				-222.04	
		<small>For &gt;100, Deduct</small>			
				-329.40	
26 31 00 00-0004	EA	210 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 16.7% Module Efficiency (Sanyo HIP-210NHKA6).....		2,402.05	146.44
		<small>For &gt;25 To 50, Deduct</small>			
				-172.83	
		<small>For &gt;50 To 100, Deduct</small>			
				-232.88	
		<small>For &gt;100, Deduct</small>			
				-345.66	

**26 Electrical**

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 31 Photovoltaic Collectors**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0005	EA		215 Watt Hybrid Monocrystalline With Thin Amorphous Layers Photovoltaic Module, 62.2" x 31.4", 17.1% Module Efficiency (Sanyo HIP-215HNKA6).....	2,251.06	146.44
			<i>For &gt;25 To 50, Deduct</i>	-161.51	
			<i>For &gt;50 To 100, Deduct</i>	-217.78	
			<i>For &gt;100, Deduct</i>	-323.02	
<b>26 31 00 00-0006</b>			<b>Sharp Rigid Photovoltaic Modules</b> (26 31 00 00-0001)		
26 31 00 00-0007	EA		224 Watt Polycrystalline Photovoltaic Module, 64.6" x 39.1", 13.74% Module Efficiency (Sharp ND-224UC1).....	1,805.25	146.44
			<i>For &gt;25 To 50, Deduct</i>	-128.07	
			<i>For &gt;50 To 100, Deduct</i>	-173.20	
			<i>For &gt;100, Deduct</i>	-256.14	
26 31 00 00-0008	EA		230 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.1% Module Efficiency (Sharp NU-U230F3).....	2,047.33	146.44
			<i>For &gt;25 To 50, Deduct</i>	-146.23	
			<i>For &gt;50 To 100, Deduct</i>	-197.41	
			<i>For &gt;100, Deduct</i>	-292.46	
26 31 00 00-0009	EA		235 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.4% Module Efficiency (Sharp NU-U235F1).....	2,085.68	146.44
			<i>For &gt;25 To 50, Deduct</i>	-149.10	
			<i>For &gt;50 To 100, Deduct</i>	-201.25	
			<i>For &gt;100, Deduct</i>	-298.21	
26 31 00 00-0010	EA		240 Watt Monocrystalline Photovoltaic Module, 64.6" x 39.1", 14.7% Module Efficiency (Sharp NU-U240F1).....	1,965.84	146.44
			<i>For &gt;25 To 50, Deduct</i>	-140.12	
			<i>For &gt;50 To 100, Deduct</i>	-189.26	
			<i>For &gt;100, Deduct</i>	-280.23	
<b>26 31 00 00-0011</b>			<b>BP Solar Rigid Photovoltaic Modules</b> (26 31 00 00-0001)		
			Note: Approved for applications in NEC Class 1, Division 2, Groups C and D hazardous locations.		
26 31 00 00-0012	EA		50 Watt Polycrystalline Photovoltaic Module, 33" x 21.1" (BP SX350J).....	913.52	146.44
			<i>For &gt;25 To 50, Deduct</i>	-61.19	
			<i>For &gt;50 To 100, Deduct</i>	-84.03	
			<i>For &gt;100, Deduct</i>	-122.38	
26 31 00 00-0013	EA		75 Watt Polycrystalline Photovoltaic Module, 47.6" x 21.14" (BP SX375J).....	1,117.25	146.44
			<i>For &gt;25 To 50, Deduct</i>	-76.47	
			<i>For &gt;50 To 100, Deduct</i>	-104.40	
			<i>For &gt;100, Deduct</i>	-152.94	
26 31 00 00-0014	EA		80 Watt Polycrystalline Photovoltaic Module, 47.6" x 20.9" (BP SX380J).....	1,198.74	146.44
			<i>For &gt;25 To 50, Deduct</i>	-82.58	
			<i>For &gt;50 To 100, Deduct</i>	-112.55	
			<i>For &gt;100, Deduct</i>	-165.17	
<b>26 31 00 00-0015</b>			<b>Photovoltaic Inverters</b> (26 31)		
<b>26 31 00 00-0016</b>			<b>Fronius Photovoltaic Inverters</b> (26 31 00 00-0015)		
26 31 00 00-0017	EA		3 KW Photovoltaic Inverter (Fronius IG Plus 3.0-1).....	5,404.11	154.14
26 31 00 00-0018	EA		5 KW Photovoltaic Inverter (Fronius IG Plus 5.0-1).....	7,112.91	154.14
26 31 00 00-0019	EA		6 KW Photovoltaic Inverter (Fronius IG Plus 6.0-1).....	7,505.50	154.14
26 31 00 00-0020	EA		7.5 KW Photovoltaic Inverter (Fronius IG Plus 7.5-1).....	8,386.33	154.14
26 31 00 00-0021	EA		10 KW Photovoltaic Inverter (Fronius IG Plus 10.0-1).....	13,251.53	154.14
26 31 00 00-0022	EA		12 KW Photovoltaic Inverter (Fronius IG Plus 12.0-3-1).....	15,396.15	154.14
26 31 00 00-0023	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3 Delta).....	12,595.41	308.29
26 31 00 00-0024	EA		11.4 KW Photovoltaic Inverter (Fronius IG Plus 11.4-3).....	15,915.23	308.29
26 31 00 00-0025	EA		Inverter Display Stand (Fronius 4,045,894).....	493.77	77.07
<b>26 31 00 00-0026</b>			<b>SMA Photovoltaic Inverters</b> (26 31 00 00-0015)		
26 31 00 00-0027	EA		4 KW AC Photovoltaic Inverter (SMA Sunny Boy 4000TL-US-22).....	4,025.71	154.14
26 31 00 00-0028	EA		5 KW AC Photovoltaic Inverter (SMA Sunny Boy 5000TL-US-22).....	4,822.51	154.14
26 31 00 00-0029	EA		6 KW AC Photovoltaic Inverter (SMA Sunny Boy 6000TL-US-22).....	5,565.08	154.14
26 31 00 00-0030	EA		7 KW AC Photovoltaic Inverter (SMA Sunny Boy 7000TL-US-22).....	6,131.97	154.14
26 31 00 00-0031	EA		8 KW AC Photovoltaic Inverter (SMA Sunny Boy 8000TL-US-12).....	5,941.01	154.14
<b>26 31 00 00-0032</b>			<b>PVPowered Photovoltaic Inverters</b> (26 31 00 00-0015)		
26 31 00 00-0033	EA		120 Volt, 1.1 KW Photovoltaic Inverter (PVPowered PVP1100).....	4,970.38	154.14
26 31 00 00-0034	EA		240 Volt, 2 KW Photovoltaic Inverter (PVPowered PVP2000).....	5,196.11	154.14
26 31 00 00-0035	EA		240 Volt, 2.5 KW Photovoltaic Inverter (PVPowered PVP2500).....	5,735.94	154.14
26 31 00 00-0036	EA		240 Volt, 3.5 KW Photovoltaic Inverter (PVPowered PVP3500).....	6,804.30	192.68
26 31 00 00-0037	EA		208 Volt, 4.6 KW Photovoltaic Inverter (PVPowered PVP4600).....	8,294.73	231.21
26 31 00 00-0038	EA		240 Volt, 4.8 KW Photovoltaic Inverter (PVPowered PVP4800).....	8,363.44	231.21
26 31 00 00-0039	EA		240 Volt, 5.2 KW Photovoltaic Inverter (PVPowered PVP5200).....	8,820.80	231.21
26 31 00 00-0040	EA		208 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	104,684.05	1,233.16
26 31 00 00-0041	EA		480 Volt, 75 KW Photovoltaic Inverter (PVPowered PVP75kW).....	104,822.09	1,233.16
26 31 00 00-0042	EA		208 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	113,395.27	1,233.16
26 31 00 00-0043	EA		480 Volt, 100 KW Photovoltaic Inverter (PVPowered PVP100kW).....	105,151.51	1,233.16
<b>26 31 00 00-0044</b>			<b>Solectria Photovoltaic Inverters</b> (26 31 00 00-0015)		
26 31 00 00-0045	EA		208 Or 480 Volt, 10 KW Photovoltaic Inverter (Solectria PVI).....	16,499.38	308.29
26 31 00 00-0046	EA		208 Or 480 Volt, 13 KW Photovoltaic Inverter (Solectria PVI).....	16,499.38	308.29
26 31 00 00-0047	EA		208 Volt, 15 KW, Photovoltaic Inverter (Solectria PVI).....	16,979.07	308.29
26 31 00 00-0048	EA		480 Volt, 15 KW Photovoltaic Inverter (Solectria PVI).....	16,979.07	308.29
26 31 00 00-0049	EA		208 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	51,683.36	924.87
26 31 00 00-0050	EA		480 Volt, 50 KW Photovoltaic Inverter (Solectria PVI).....	49,284.95	924.87
26 31 00 00-0051	EA		208 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	56,480.18	924.87
26 31 00 00-0052	EA		480 Volt, 60 KW Photovoltaic Inverter (Solectria PVI).....	55,147.73	924.87

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0053	EA		208 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	59,944.55	924.87
26 31 00 00-0054	EA		480 Volt, 75 KW Photovoltaic Inverter (Solectria PVI) .....	57,279.65	924.87
26 31 00 00-0055	EA		208 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	63,226.03	1,233.16
26 31 00 00-0056	EA		480 Volt, 85 KW Photovoltaic Inverter (Solectria PVI) .....	60,294.64	1,233.16
26 31 00 00-0057	EA		208 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	65,624.44	1,233.16
26 31 00 00-0058	EA		480 Volt, 100 KW Photovoltaic Inverter (Solectria PVI) .....	62,160.07	1,233.16
<b>26 31 00 00-0059</b>			<b>Xantrex Photovoltaic Inverters (26 31 00 00-0015)</b>		
26 31 00 00-0060	EA		0.6 KW Photovoltaic Inverter (Xantrex 806-1206).....	698.44	38.54
26 31 00 00-0061	EA		1 KW Photovoltaic Inverter (Xantrex 806-1210).....	760.16	38.54
26 31 00 00-0062	EA		2 KW Photovoltaic Inverter (Xantrex 806-1220).....	1,213.73	38.54
<b>26 31 00 00-0063</b>			<b>Photovoltaic DC-DC Converters (26 31)</b>		
26 31 00 00-0064	EA		15 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-20) .....	422.40	57.80
			Note: Hazardous locations.		
26 31 00 00-0065	EA		20 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-23) .....	288.18	57.80
26 31 00 00-0066	EA		60 Amperes, 20 To 35 Volt Input, 13.8 Volt Output DC Voltage Converter (Samlex SDC-60) .....	767.54	57.80
<b>26 31 00 00-0067</b>			<b>Photovoltaic Combiner Boxes (26 31)</b>		
<b>26 31 00 00-0068</b>			<b>Midnight Solar Photovoltaic Combiner Boxes (26 31 00 00-0067)</b>		
26 31 00 00-0069	EA		3 - 150 Volt DC Breaker Or 3 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV3).....	534.61	154.14
26 31 00 00-0070	EA		6 - 150 Volt DC Breaker Or 4 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV6).....	522.18	154.14
26 31 00 00-0071	EA		12 - 150 Volt DC Breaker Or 10 - 600 Volt DC Fuse Holder, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12).....	826.14	231.21
26 31 00 00-0072	EA		6 - 300 Volt DC Breaker, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV12-250) .....	830.50	231.21
26 31 00 00-0073	EA		16, 600 Volt DC Breakers, NEMA 3R, Aluminum Photovoltaic Combiner Box (Midnite Solar MNPV16).....	1,233.69	231.21
<b>26 31 00 00-0074</b>			<b>SMA Photovoltaic Combiner Boxes (26 31 00 00-0067)</b>		
26 31 00 00-0075	EA		6 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCCB-6).....	1,121.27	154.14
26 31 00 00-0076	EA		12 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCCB-12) .....	1,333.09	154.14
26 31 00 00-0077	EA		28 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCCB-28) .....	2,585.22	308.29
26 31 00 00-0078	EA		52 Input NEMA 3R, Steel Photovoltaic Combiner Box (SMA SBCCB-52) .....	5,810.30	308.29
26 31 00 00-0079	EA		4 Input NEMA 3R, Steel Combination DC Disconnect And Photovoltaic Combiner Box (SMA Combi-Switch) .....	1,006.63	154.14
<b>26 31 00 00-0080</b>			<b>Photovoltaic Charge Controller (26 31)</b>		
26 31 00 00-0081	EA		35 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-35).....	340.91	57.80
26 31 00 00-0082	EA		40 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-40).....	448.77	57.80
26 31 00 00-0083	EA		60 Amperes, 12 Or 24 Volt, Charge Controller (Xantrex C-60).....	520.67	57.80
26 31 00 00-0084	EA		Remote Digital Meter For Xantrex C-35, 40 And 60 .....	403.23	57.80
26 31 00 00-0085	EA		MPPT Charge Controller (Xantrex XW SCC) .....	1,357.21	77.07
<b>26 31 00 00-0086</b>			<b>Photovoltaic Batteries (26 31)</b>		
<b>26 31 00 00-0087</b>			<b>Concorde Photovoltaic Batteries (26 31 00 00-0086)</b>		
26 31 00 00-0088	EA		34 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-340T).....	304.85	23.12
26 31 00 00-0089	EA		45 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-420T).....	384.92	30.83
26 31 00 00-0090	EA		49 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-490T).....	416.27	30.83
26 31 00 00-0091	EA		56 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-560T).....	480.41	46.24
26 31 00 00-0092	EA		69 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-690T).....	545.06	46.24
26 31 00 00-0093	EA		89 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-890T).....	646.68	53.95
26 31 00 00-0094	EA		104 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1040T).....	741.56	61.66
26 31 00 00-0095	EA		108 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-1080T).....	733.20	61.66
26 31 00 00-0096	EA		210 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2120T).....	1,331.74	73.22
26 31 00 00-0097	EA		255 Ampere Hours, 12 Volt, Sealed Absorbed Glass Mat (AGM) Battery (Concorde PVX-2580T).....	1,537.71	77.07
<b>26 31 00 00-0098</b>			<b>Deka Photovoltaic Batteries (26 31 00 00-0086)</b>		
26 31 00 00-0099	EA		31 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8GU1).....	324.09	38.61
26 31 00 00-0100	EA		50 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G22NF).....	441.53	38.61
26 31 00 00-0101	EA		74 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G24) .....	645.26	38.61
26 31 00 00-0102	EA		86 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G27) .....	736.34	38.61
26 31 00 00-0103	EA		98 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G31) .....	738.74	38.61
26 31 00 00-0104	EA		183 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G4D).....	1,419.43	38.61
26 31 00 00-0105	EA		225 Amperes Hours Capacity At 20 Hour Lead Acid Battery (Deka BYDK8G8D).....	1,639.93	38.61
<b>26 31 00 00-0106</b>			<b>Battery Enclosures (26 31 00 00-0086)</b>		
26 31 00 00-0107	EA		14" x 12" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge 55-2501-010).....	364.69	38.54
26 31 00 00-0108	EA		22" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS1GC) .....	1,738.20	38.61
26 31 00 00-0109	EA		37" x 16" x 8" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS2GCL) .....	1,635.14	38.61
26 31 00 00-0110	EA		37" x 16" x 14.5" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETS4GC) .....	2,174.42	38.61
26 31 00 00-0111	EA		15" x 17.1" x 8.4" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSLCF1) .....	976.02	38.61
26 31 00 00-0112	EA		31" x 36" x 14" NEMA 3R Aluminum Photovoltaic Battery Enclosure (IronRidge BETSBR827BP).....	2,277.48	38.61

## 26 Electrical

## 26 30 Facility Electrical Power Generating and Storing Equipment

## 26 31 Photovoltaic Collectors

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 31 00 00-0113	<b>Photovoltaic System Monitoring</b> (26 31)		
26 31 00 00-0114	EA Solar Inverter Monitor (Xantrex 864-0203).....	768.20	77.07
26 31 00 00-0115	EA Photovoltaic System Monitoring, Remote Diagnosis, Data Storage Communication Hub (SMA Sunny WebBox) .....	1,549.30	38.54
26 31 00 00-0116	EA Sun Radiation And Temperature Monitor (SMA Sunny SensorBox) .....	1,296.51	38.54
26 31 00 00-0117	EA PT100 Ambient Temperature Sensor For Sunny SensorBox (SMA) .....	249.21	38.54
26 31 00 00-0118	EA Wind Sensor Accessory For Sunny SensorBox (SMA).....	610.21	77.07
26 31 00 00-0119	EA Sunny Boy Control with RS485 (SMA).....	1,524.14	38.54
26 31 00 00-0120	EA RS 485 Module (SMA) .....	356.04	38.54
26 31 00 00-0121	EA RS 232 Module (SMA) .....	364.69	38.54
26 31 00 00-0122	EA Wireless Monitor with Bluetooth (SMA Sunny Beam) .....	685.53	
26 31 00 00-0123	EA Bluetooth Piggy-Back Computer Card (SMA) .....	369.35	38.54
26 31 00 00-0124	EA RS485-N Communication Computer Card (SMA).....	366.94	38.54
26 31 00 00-0125	EA Bluetooth Repeater (SMA).....	682.17	38.54
26 31 00 00-0126	EA Sunny Boy PC Service Cable (SMA) .....	321.97	11.56
26 31 00 00-0127	EA Integrated Revenue Grade Meter, Option (PVPowered).....	6,147.79	
26 31 00 00-0128	EA Data Monitoring Module (PVPowered PVM1010).....	680.76	38.54
26 31 00 00-0129	EA Wireless IG Personal Display (Fronius 4,240,108) .....	696.05	
26 31 00 00-0130	EA DatCom Power Supply (Fronius 43,0001,2311) .....	225.22	
26 31 00 00-0131	EA Wireless Card For IG Personal Display (Fronius 4,240,008,Z).....	410.17	38.54
26 31 00 00-0132	EA Retrofit Solar Inverter Interface And Power Supply Option Communication Card (Fronius 4,240,001,Z).....	348.82	38.54
26 31 00 00-0133	EA Datalogger Pro Box (Fronius 4,240,102) .....	1,336.07	38.54
26 31 00 00-0134	EA Datalogger Easy Box (Fronius 4,240,103).....	873.13	38.54
26 31 00 00-0135	EA Datalogger Interface Box (Fronius 4,240,105).....	1,506.90	38.54
26 31 00 00-0136	EA Datalogger Web (Fronius 4,240,122) .....	2,581.13	38.54
26 31 00 00-0137	EA Interface Box (Fronius 4,240,109) .....	701.93	38.54
26 31 00 00-0138	EA Interface Card (Fronius 4,240,009,Z).....	504.14	38.54
26 31 00 00-0139	EA Interface Card Easy (Fronius 4,240,013,Z).....	336.36	38.54
26 31 00 00-0140	EA Sensor Box (Fronius 4,240,104) .....	1,394.88	38.54
26 31 00 00-0141	EA Ambient Temperature Sensor (Fronius 43,0001,1188).....	164.93	38.54
26 31 00 00-0142	EA Irradiance Sensor (Fronius 43,0001,1188) .....	491.96	38.54
26 31 00 00-0143	EA Module Temperature Sensor (Fronius 43,0001,1190).....	546.60	38.54
26 31 00 00-0144	EA Wind Speed Sensor (Fronius 42,0411,0027).....	306.17	77.07
26 31 00 00-0145	<b>Photovoltaic System Accessories</b> (26 31)		
26 31 00 00-0146	EA Four Inverter Bypass Switch (OutBack AC-IOB-100Q).....	1,043.90	77.07
26 31 00 00-0147	EA Line Communication Filter (Enphase LCF) .....	2,271.27	154.14
26 31 00 00-0148	EA 15 Meter RS 485 Communication Cable (SMA) .....	174.12	11.56
26 31 00 00-0149	EA 15 Meter RS 232 Communication Cable (SMA) .....	260.40	11.56
26 31 00 00-0150	EA 24" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	41.00	3.82
26 31 00 00-0151	EA 36" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	43.90	3.82
26 31 00 00-0152	EA 48" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	45.53	3.82
26 31 00 00-0153	EA 72" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	50.06	3.82
26 31 00 00-0154	EA 120" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	56.86	3.82
26 31 00 00-0155	EA 240" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	91.07	7.63
26 31 00 00-0156	EA 360" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	112.16	7.63
26 31 00 00-0157	EA 420" #10 AWG Male Or Female Photovoltaic Multi-Contact Module Interconnect.....	147.93	11.45
26 31 00 00-0158	EA 36" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	51.20	3.82
26 31 00 00-0159	EA 120" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	70.45	3.82
26 31 00 00-0160	EA 240" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	104.66	7.63
26 31 00 00-0161	EA 360" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	138.63	7.63
26 31 00 00-0162	EA 600" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	226.31	15.26
26 31 00 00-0163	EA 1200" #10 AWG Male And Female Photovoltaic Multi-Contact Module Interconnect .....	235.89	15.26
26 31 00 00-0164	EA Lighting Kit, 9 Watt Fluorescent, 12 Volt, 4.5 Ampere Hours Battery.....	4,205.25	416.20
	Note: Tamper proof enclosure.		
26 31 00 00-0165	<b>Photovoltaic Mounting Systems</b> (26 31)		
26 31 00 00-0166	LF Anodized Aluminum Photovoltaic Module Mounting Rail (UNIRAC SolarMount Standard) .....	15.16	3.85
26 31 00 00-0167	EA Splice Bar For Photovoltaic Module Mounting Rail (UNIRAC 310229) .....	46.06	19.27
26 31 00 00-0168	EA Splice Plate For Photovoltaic Module Mounting Rail (UNIRAC 310216) .....	56.73	19.27
26 31 00 00-0169	EA 8" x 3/8" Hanger Bolt (UNIRAC 310046).....	29.17	7.71
	Note: Supports mounting rail above tile or metal roof.		
26 31 00 00-0170	EA Mounting Rail Grounding Clip (UNIRAC 980006).....	14.54	5.79
	Note: One grounding clip for every two top mounting clamps (end clamps + mid clamps) in your installation. Only one of the two rails in each row requires grounding clips.		
26 31 00 00-0171	EA Mounting Rail Grounding Lugs (UNIRAC 980012) .....	29.66	7.71
	Note: Two grounding lugs for each rail splice and one additional lug for each rail.		
26 31 00 00-0172	EA Anodized Aluminum Photovoltaic Module Mounting End Clamp (UNIRAC 320002) .....	8.11	2.58
	Note: Four for each row of modules you plan to mount.		
26 31 00 00-0173	EA Anodized Aluminum Photovoltaic Module Mounting Mid Clamp (UNIRAC 320008) .....	8.46	2.58
	Note: For each row, take one less than the number of modules in the row and multiply that figure by 2.		
26 31 00 00-0174	EA Photovoltaic Module Mount L-Feet (UNIRAC 310065) .....	21.38	7.71
26 31 00 00-0175	EA 12" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310121) .....	125.05	38.54
	Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0176	EA 30" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310122).....	137.13	38.54
	Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0177	EA 44" Leg Extension, Photovoltaic Module One Leg Tilt Kit (UNIRAC 310123).....	146.86	38.54
	Note: Includes one square tube, one strut insert, two L-feet, and stainless steel hardware for use with mounting rail. Excludes standoffs.		
26 31 00 00-0178	EA 12" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310107).....	184.06	57.80
	Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 31 00 00-0179 EA 44" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310108).....	220.30	57.80
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0180 EA 72" Leg Extension, Photovoltaic Module Two Leg Tilt Kit (UNIRAC 310109).....	253.19	57.80
Note: Includes two square tubes, two strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0181 EA 18" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310111).....	282.99	77.07
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0182 EA 64" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310112).....	369.56	77.07
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0183 EA 104" Leg Extension, Photovoltaic Module Four Leg Tilt Kit (UNIRAC 310110).....	521.80	115.61
Note: Includes four square tubes, four strut inserts, and fasteners for use with mounting rail. Excludes standoffs and L-feet.		
26 31 00 00-0184 EA Ballasted Photovoltaic Module Frame (UNIRAC 310351).....	255.20	
Note: Excludes ballast.		
26 31 00 00-0185 EA Ballasted Photovoltaic Module Frame With Module Mount (UNIRAC 310355).....	471.86	
Note: Excludes ballast.		
26 31 00 00-0186 EA 3" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310051).....	100.92	38.54
26 31 00 00-0187 EA 4" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310052).....	102.04	38.54
26 31 00 00-0188 EA 6" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310053).....	103.05	38.54
26 31 00 00-0189 EA 7" High Galvanized Steel Photovoltaic Module Standoff (UNIRAC 310054).....	105.59	38.54
26 31 00 00-0190 EA 3" High Aluminum Photovoltaic Module Standoff (UNIRAC 310553).....	94.18	38.54
26 31 00 00-0191 EA 4" High Aluminum Photovoltaic Module Standoff (UNIRAC 310554).....	95.47	38.54
26 31 00 00-0192 EA 6" High Aluminum Photovoltaic Module Standoff (UNIRAC 310555).....	99.22	38.54
26 31 00 00-0193 EA 7" High Aluminum Photovoltaic Module Standoff (UNIRAC 310556).....	98.15	38.54
26 31 00 00-0194 EA 3" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310390).....	188.76	57.80
26 31 00 00-0195 EA 4" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310391).....	189.53	57.80
26 31 00 00-0196 EA 7" Photovoltaic Module FastFoot Standoff Assembly (UNIRAC 310394).....	191.81	57.80
26 31 00 00-0197 EA Photovoltaic Module Rapidfoot Standoff Assembly (UNIRAC 310370).....	189.43	57.80
26 31 00 00-0198 EA Photovoltaic Module Standoff Flashing (UNIRAC 990103).....	36.49	7.71
26 31 00 00-0199 EA Photovoltaic Module Standoff Ethylene Propylene Diene Monomer (EPDM) Patch (UNIRAC 990161).....	24.83	7.71
26 31 00 00-0200 EA 1/4" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004030M-0100).....	46.21	11.56
26 31 00 00-0201 EA 3/8" Photovoltaic Module Standing Seam Metal Roof Mounting Block (UNIRAC 004031M-0100).....	47.95	11.56
26 31 00 00-0202 EA Photovoltaic Module Standing Seam Metal Roof Mounting Clamp (UNIRAC 004032M-0100).....	13.18	2.58
Note: Mid or end clamp.		
26 31 00 00-0203 EA Photovoltaic Module Tile Roof Mounting Hook (UNIRAC 905011C-0024).....	58.92	7.71
26 31 00 00-0204 EA Photovoltaic Module Wire Clip (UNIRAC 908002S-0100).....	3.32	

**26 32 Packaged Generator Assemblies** (26 30)

**26 32 13 Engine Generators** (26 32)

See CSI section 23 13 23 13-0001 for fuel storage tanks.

**26 32 13 13 Diesel-Engine-Driven Generator Sets** (26 32 13)

See CSI section 01 22 23 00-0631 for fuel reimbursement for commissioning.

**26 32 13 13-0001 Diesel Generator Sets (Cummins)** (26 32 13 13)

Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, active diesel particulate filter, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0610 for loadbank rental, 01 22 23 00-0631 for fuel reimbursement, 23 13 23 13-0001 for fuel day tank, 26 36 23 00-0000 for automatic transfer switch.

26 32 13 13-0002 EA 20 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	35,001.54	1,316.56
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,083.72	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,962.97	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,950.63	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,944.03	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,775.84	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,034.45	
For Single Phase, Add	1,266.91	
26 32 13 13-0003 EA 25 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	36,812.77	1,390.62
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,083.72	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,962.97	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,950.63	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,944.03	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,775.84	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,034.45	
26 32 13 13-0004 EA 30 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	38,668.89	1,468.79
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,083.72	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,962.97	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,950.63	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,944.03	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,775.84	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,034.45	
For Single Phase, Add	1,397.02	
26 32 13 13-0005 EA 35 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	39,511.83	1,621.02
For Weather Resistant Steel Diesel Generator Enclosure, Add	5,083.72	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	11,962.97	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	15,950.63	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	12,944.03	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	18,775.84	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	25,034.45	

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 32 13 13-0006	EA	40 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	40,371.39	1,777.36
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	5,083.72	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,962.97	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,950.63	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,944.03	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,775.84	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,034.45	
26 32 13 13-0007	EA	50 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	47,291.86	2,040.66
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	5,083.72	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,962.97	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,950.63	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,944.03	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,775.84	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,034.45	
26 32 13 13-0008	EA	60 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	50,941.98	2,345.12
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	5,083.72	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,962.97	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,950.63	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,944.03	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,775.84	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,034.45	
26 32 13 13-0009	EA	80 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	59,797.86	2,748.32
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	5,083.72	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	11,962.97	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	15,950.63	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	12,944.03	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	18,775.84	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	25,034.45	
26 32 13 13-0010	EA	100 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	64,276.10	3,192.66
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,710.92	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	18,290.35	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	24,387.13	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	16,607.42	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	19,965.55	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	26,620.73	
26 32 13 13-0011	EA	125 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	65,878.86	3,785.11
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,710.92	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	18,290.35	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	24,387.13	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	16,607.42	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	19,965.55	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	26,620.73	
26 32 13 13-0012	EA	150 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	72,823.46	4,171.85
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,710.92	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	18,290.35	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	24,387.13	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	16,607.42	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	19,965.55	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	26,620.73	
26 32 13 13-0013	EA	175 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	76,478.21	4,657.33
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,710.92	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	18,290.35	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	24,387.13	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	16,607.42	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	19,965.55	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	26,620.73	
26 32 13 13-0014	EA	200 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	81,216.77	5,101.67
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,710.92	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	18,290.35	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	24,387.13	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	16,607.42	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	19,965.55	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	26,620.73	
26 32 13 13-0015	EA	230 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	87,403.26	5,389.66
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	7,710.92	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	18,290.35	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	24,387.13	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	16,607.42	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	19,965.55	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	26,620.73	
26 32 13 13-0016	EA	250 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	91,037.16	5,611.84
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	50,007.24	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	55,372.53	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	73,830.04	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	60,651.27	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	67,685.83	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	90,247.77	
26 32 13 13-0017	EA	275 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	98,941.90	5,916.29
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	50,007.24	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	55,372.53	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	73,830.04	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	60,651.27	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	67,685.83	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	90,247.77	
26 32 13 13-0018	EA	300 KW, 3 Phase, Standby Diesel Generator Set (Cummins)	101,166.06	6,179.60
		<i>For Weather Resistant Steel Diesel Generator Enclosure, Add</i>	50,007.24	
		<i>For Quietsite Level 1 Steel Diesel Generator Enclosure, Add</i>	55,372.53	
		<i>For Quietsite Level 2 Steel Diesel Generator Enclosure, Add</i>	73,830.04	
		<i>For Weather Resistant Aluminum Diesel Generator Enclosure, Add</i>	60,651.27	
		<i>For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add</i>	67,685.83	
		<i>For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add</i>	90,247.77	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 13-0019 EA 350 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	113,793.86	6,911.94
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,007.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,372.53	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	73,830.04	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	60,651.27	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	67,685.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	90,247.77	
26 32 13 13-0020 EA 400 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	122,411.38	7,570.22
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,007.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,372.53	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	73,830.04	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	60,651.27	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	67,685.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	90,247.77	
26 32 13 13-0021 EA 450 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	137,864.64	8,154.44
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,007.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,372.53	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	73,830.04	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	60,651.27	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	67,685.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	90,247.77	
26 32 13 13-0022 EA 500 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	144,913.55	8,689.29
For Weather Resistant Steel Diesel Generator Enclosure, Add	50,007.24	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	55,372.53	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	73,830.04	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	60,651.27	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	67,685.83	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	90,247.77	
26 32 13 13-0023 EA 600 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	209,173.05	9,569.74
For Weather Resistant Steel Diesel Generator Enclosure, Add	102,155.61	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	123,019.23	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	164,025.64	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	120,154.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	143,315.55	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	191,087.40	
26 32 13 13-0024 EA 750 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	239,355.40	10,524.25
For Weather Resistant Steel Diesel Generator Enclosure, Add	102,155.61	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	123,019.23	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	164,025.64	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	120,154.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	143,315.55	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	191,087.40	
26 32 13 13-0025 EA 800 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	249,852.18	10,754.64
For Weather Resistant Steel Diesel Generator Enclosure, Add	102,155.61	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	123,019.23	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	164,025.64	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	120,154.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	143,315.55	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	191,087.40	
26 32 13 13-0026 EA 900 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	304,181.41	11,593.95
For Weather Resistant Steel Diesel Generator Enclosure, Add	102,155.61	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	123,019.23	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	164,025.64	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	120,154.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	143,315.55	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	191,087.40	
26 32 13 13-0027 EA 1,000 KW, 3 Phase, Standby Diesel Generator Set (Cummins).....	339,854.55	12,342.75
For Weather Resistant Steel Diesel Generator Enclosure, Add	102,155.61	
For Quietsite Level 1 Steel Diesel Generator Enclosure, Add	123,019.23	
For Quietsite Level 2 Steel Diesel Generator Enclosure, Add	164,025.64	
For Weather Resistant Aluminum Diesel Generator Enclosure, Add	120,154.90	
For Quietsite Level 1 Aluminum Diesel Generator Enclosure, Add	143,315.55	
For Quietsite Level 2 Aluminum Diesel Generator Enclosure, Add	191,087.40	

**26 32 13 19 Natural Gas-Engine-Driven Generator Sets (26 32 13)**

26 32 13 19-0001	Natural Gas Or Propane Generator Sets (Cummins) (26 32 13 19)		
	Note: 3 Phase, 4-Wire 480/277 or 208/120 Volt complete with radiator, fuel pump, battery charger, silencer, exhaust flex, indicating and operating controls, electronic governor. Pricing based on installation above grade on concrete pad without enclosure. Includes manufacturer's representative at startup. Excludes fuel, fuel tank, enclosure, utility piping, wiring, automatic transfer switch, loadbank testing and concrete pad. See CSI section 01 22 23 00-0610 for loadbank rental, 01 22 23 00-0631 for fuel reimbursement, 26 36 23 00-0000 for automatic transfer switches.		
26 32 13 19-0002 EA 20 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMA) .....		15,708.21	1,102.62
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add		4,623.72	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add		11,962.97	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add		15,950.63	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add		5,007.83	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add		8,308.47	
26 32 13 19-0003 EA 25 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMB) .....		17,749.57	1,316.56
For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add		4,623.72	
For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add		11,962.97	
For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add		15,950.63	
For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add		5,007.83	
For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add		8,308.47	

**26 Electrical**  
**26 30 Facility Electrical Power Generating and Storing Equipment**  
**26 32 Packaged Generator Assemblies**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0004	EA		29 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGMC) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	20,438.38 4,623.72 11,962.97 15,950.63 5,007.83 8,308.47	1,464.67
26 32 13 19-0005	EA		35 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPA) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	23,145.38 4,623.72 11,962.97 15,950.63 14,165.16 23,775.37	1,621.02
26 32 13 19-0006	EA		40 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPB) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	25,937.03 4,623.72 11,962.97 15,950.63 14,165.16 23,775.37	1,777.36
26 32 13 19-0007	EA		45 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGPC) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	28,091.12 4,623.72 11,962.97 15,950.63 14,165.16 23,775.37	1,917.24
26 32 13 19-0008	EA		60 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHE) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	30,821.23 4,623.72 11,962.97 15,950.63 14,165.16 23,775.37	2,345.12
26 32 13 19-0009	EA		70 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHF) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	33,104.82 4,623.72 11,962.97 15,950.63 14,165.16 23,775.37	2,624.89
26 32 13 19-0010	EA		85 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHG) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	43,127.05 8,427.01 18,290.35 24,387.13 16,607.42 23,775.37	2,805.92
26 32 13 19-0011	EA		100 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGHH) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	51,836.48 8,427.01 18,290.35 24,387.13 16,607.42 23,775.37	3,159.74
26 32 13 19-0012	EA		125 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIA) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	59,458.00 8,427.01 18,290.35 24,387.13 16,607.42 23,775.37	3,785.11
26 32 13 19-0013	EA		150 KW Natural Gas Or Propane Generator Set, 3 Phase (Cummins GGIB) ..... <i>For Weather Resistant Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Or Propane Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Or Propane Generator Enclosure, Add</i>	70,487.65 8,427.01 18,290.35 24,387.13 16,607.42 23,775.37	4,171.85
26 32 13 19-0014	EA		175 KW Natural Gas Generator Set, 3 Phase (Cummins GFBA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	112,994.20 44,970.95 49,781.39 66,375.19 49,170.22 73,784.98	11,096.78
26 32 13 19-0015	EA		205 KW Natural Gas Generator Set, 3 Phase (Cummins GFBB) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	128,128.13 44,970.95 49,781.39 66,375.19 49,170.22 73,784.98	5,011.16
26 32 13 19-0016	EA		250 KW Natural Gas Generator Set, 3 Phase (Cummins GFBC) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	137,857.58 44,970.95 49,781.39 66,375.19 49,170.22 73,784.98	5,611.84
26 32 13 19-0017	EA		300 KW Natural Gas Generator Set, 3 Phase (Cummins GFCA) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	177,765.50 44,970.95 49,781.39 66,375.19 49,170.22 73,784.98	6,179.60
26 32 13 19-0018	EA		350 KW Natural Gas Generator Set, 3 Phase (Cummins GFCE) ..... <i>For Weather Resistant Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add</i> <i>For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add</i> <i>For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add</i>	190,910.87 44,970.95 49,781.39 66,375.19 49,170.22 73,784.98	6,911.94



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 32 13 19-0019	EA		450 KW Natural Gas Generator Set, 3 Phase (Cummins GFGA)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	267,467.35 98,195.81 104,332.32 139,109.75 111,533.45 157,635.44	8,154.44
26 32 13 19-0020	EA		500 KW Natural Gas Generator Set, 3 Phase (Cummins GFJB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	341,415.70 98,195.81 104,332.32 139,109.75 111,533.45 157,635.44	8,689.29
26 32 13 19-0021	EA		550 KW Natural Gas Generator Set, 3 Phase (Cummins GFJC)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	381,753.42 98,195.81 104,332.32 139,109.75 111,533.45 157,635.44	9,158.32
26 32 13 19-0022	EA		600 KW Natural Gas Generator Set, 3 Phase (Cummins GFLA)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	434,417.32 98,195.81 104,332.32 139,109.75 111,533.45 157,635.44	9,569.74
26 32 13 19-0023	EA		650 KW Natural Gas Generator Set, 3 Phase (Cummins GFLB)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	454,180.53 98,195.81 104,332.32 139,109.75 111,533.45 157,635.44	9,931.80
26 32 13 19-0024	EA		725 KW Natural Gas Generator Set, 3 Phase (Cummins GFLC)..... For Weather Resistant Steel Natural Gas Generator Enclosure, Add For Quietsite Level 1 Steel Natural Gas Generator Enclosure, Add For Quietsite Level 2 Steel Natural Gas Generator Enclosure, Add For Weather Resistant Aluminum Natural Gas Generator Enclosure, Add For Quietsite Level 2 Aluminum Natural Gas Generator Enclosure, Add	480,418.36 98,195.81 104,332.32 139,109.75 111,533.45 157,635.44	10,614.76
<b>26 32 13 19-0025</b>			<b>Small Natural Gas Or Propane Air Cooled Generator Sets (26 32 13 19)</b>		
26 32 13 19-0026	EA		7.5 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 100 A automatic transfer switch.	5,385.46	706.97
26 32 13 19-0027	EA		10 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	6,753.52	785.52
26 32 13 19-0028	EA		14 KW Natural Gas Or Propane Air Cooled Generator Set..... Note: Includes weatherproof composite enclosure and 200 A automatic transfer switch.	7,774.38	864.08
<b>26 32 29</b>			<b>Rotary Converters (26 32)</b>		
<b>26 32 29 00-0001</b>			<b>60 Hz AC Input 230 Or 460 Volt, 125 Volt DC Output (26 32 29)</b>		
26 32 29 00-0002	EA		3 KW, 24 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	10,152.30	308.29
26 32 29 00-0003	EA		5 KW, 40 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	12,345.75	308.29
26 32 29 00-0004	EA		7.5 KW, 60 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,324.29	308.29
26 32 29 00-0005	EA		10 KW, 80 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,451.97	308.29
26 32 29 00-0006	EA		15 KW, 120 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	18,275.70	385.36
26 32 29 00-0007	EA		20 KW, 160 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	19,782.81	385.36
26 32 29 00-0008	EA		25 KW, 200 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	20,709.59	385.36
26 32 29 00-0009	EA		40 KW, 320 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	25,232.31	508.68
26 32 29 00-0010	EA		50 KW, 400 Amperes, 125 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	28,026.35	508.68
<b>26 32 29 00-0011</b>			<b>60 Hz AC Input, 230 Or 460 Volt, 250 Volts DC Output (26 32 29)</b>		
26 32 29 00-0012	EA		3 KW, 12 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	11,740.25	308.29
26 32 29 00-0013	EA		5 KW, 20 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	13,981.82	308.29
26 32 29 00-0014	EA		7.5 KW, 30 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	15,978.79	308.29
26 32 29 00-0015	EA		10 KW, 40 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	16,419.57	308.29
26 32 29 00-0016	EA		15 KW, 60 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	18,609.17	385.36
26 32 29 00-0017	EA		20 KW, 80 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	20,454.08	385.36
26 32 29 00-0018	EA		25 KW, 100 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	21,125.35	385.36
26 32 29 00-0019	EA		40 KW, 160 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	25,132.71	508.68
26 32 29 00-0020	EA		50 KW, 200 Amperes, 250 Volt DC, Rectifier 230 Or 460 AC To DC Conversion.....	26,652.81	508.68
<b>26 32 29 00-0021</b>			<b>460 Volt 3 Phase AC Motor Drive 250 Volt DC (26 32 29)</b>		
26 32 29 00-0022	EA		33 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	30,765.47	5,759.95
26 32 29 00-0023	EA		40 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	34,240.46	5,759.95
26 32 29 00-0024	EA		50 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	39,006.40	8,228.49
26 32 29 00-0025	EA		65 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	45,366.37	8,228.49
26 32 29 00-0026	EA		85 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	51,368.67	8,228.49
26 32 29 00-0027	EA		100 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	60,497.36	12,342.75
26 32 29 00-0028	EA		125 KW, 460 Volt AC Drive Motor To 250 Volt DC, AC To DC Electrical Conversion.....	73,543.46	12,342.75
<b>26 32 29 00-0029</b>			<b>4,160 Volt 3 Phase AC Motor Drive 250 Or 500 Volt DC (26 32 29)</b>		
26 32 29 00-0030	EA		170 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	106,176.21	16,456.99
26 32 29 00-0031	EA		200 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	115,748.28	16,456.99
26 32 29 00-0032	EA		240 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion.....	139,178.33	21,394.09



**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 32 Packaged Generator Assemblies**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 32 29 00-0033	EA	320 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	158,308.71	26,002.05
26 32 29 00-0034	EA	400 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	187,278.34	26,002.05
26 32 29 00-0035	EA	560 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	265,286.18	38,838.50
26 32 29 00-0036	EA	640 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	274,968.80	38,838.50
26 32 29 00-0037	EA	800 KW, 4,160 Volt AC Drive Motor - 250 Volt DC, AC To DC Electrical Conversion .....	316,278.21	45,256.72

**26 33 Battery Equipment** (26 30)**26 33 13 Batteries** (26 33)**26 33 13 00-0001 Standby Batteries** (26 33 13)

26 33 13 00-0002	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery .....	1,243.86	38.61
26 33 13 00-0003	EA	12 Volt, 100 Ampere Hours To 10.5 Volt Capacity, 6-Cell, Valve Regulated Lead-Calcium, Standby Battery With Steel Jacket .....	1,342.73	38.61
26 33 13 00-0004	EA	725CCA, Group 31, 12 Volt Lead Calcium Standby Battery .....	413.00	38.61
26 33 13 00-0005	EA	810CCA, Group 24, 12 Volt Lead Calcium Standby Battery .....	376.07	38.61
26 33 13 00-0006	EA	1080CCA, Group 4D, 12 Volt Lead Calcium Standby Battery .....	639.39	38.61
26 33 13 00-0007	EA	1400CCA, Group 8D, 12 Volt Lead Calcium Standby Battery .....	741.43	38.61

**26 33 43 Battery Chargers** (26 33)**26 33 43 00-0001 Solid State Chargers, Single Phase** (26 33 43)

Note: Includes wall bracket, 10' of DC charging cable and standard connector, 208/240/480 V.

26 33 43 00-0002	EA	Solid State Battery Charger, 6 Cell Single Phase With Wall Bracket, 208/240/480 Volt .....	3,777.40	880.15
26 33 43 00-0003	EA	Solid State Battery Charger, 9 Cell Single Phase With Wall Bracket, 208/240/480 Volt .....	4,387.19	880.15
26 33 43 00-0004	EA	Solid State Battery Charger, 12 Cell Single Phase With Wall Bracket, 208/240/480 Volt .....	4,825.74	880.15
26 33 43 00-0005	EA	Solid State Battery Charger, 18 Cell Single Phase With Wall Bracket, 208/240/480 Volt .....	5,117.10	1,042.09

**26 33 53 Static Uninterruptible Power Supply** (26 33)**26 33 53 00-0001 Single Phase, Uninterruptible Power Supply Systems (UPS)** (26 33 53)**26 33 53 00-0002 Single Phase, Uninterruptible Power Supply Systems (UPS)** (26 33 53 00-0001)**26 33 53 00-0003 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0004	EA	0.5 KVA, 450 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-500RT120) .....	1,475.53	152.61
26 33 53 00-0005	EA	0.7 KVA, 630 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT120) .....	1,762.56	178.03
26 33 53 00-0006	EA	1 KVA, 900 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT120) .....	2,172.63	203.47
26 33 53 00-0007	EA	1.5 KVA, 1,350 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT120) .....	2,654.22	228.91
26 33 53 00-0008	EA	2 KVA, 1,800 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT120) .....	3,406.19	254.34
26 33 53 00-0009	EA	3 KVA, 2,700 Watt, 120 Volt AC Output, 120 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT120) .....	5,486.70	305.21

**26 33 53 00-0010 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0011	EA	3 KVA, 2,700 Watt, 208 Volt AC Output, 208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT208) .....	5,385.64	305.21
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**26 33 53 00-0012 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)** (26 33 53 00-0002)

Note: Rack mount or tower configuration. Includes 50 or 60 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.

26 33 53 00-0013	EA	5 KVA, 4,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT208) .....	8,308.41	406.94
26 33 53 00-0014	EA	6 KVA, 4,800 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT208) .....	9,085.79	457.81
26 33 53 00-0015	EA	8 KVA, 7,200 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-8000RT208) .....	13,586.85	559.55
26 33 53 00-0016	EA	10 KVA, 9,000 Watt, 120/208 Volt AC Output, 120/208 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT208) .....	15,618.51	610.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 33 53 00-0017			<b>230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS)</b> <small>(26 33 53 00-0002)</small> Note: Rack mount or tower configuration. Includes 40 or 70 Hertz automatic frequency detection, internal automatic and manual bypass switch and self diagnostics.		
26 33 53 00-0018	EA		0.7 KVA, 630 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-700RT230).....	1,762.56	178.03
			Note: Includes 11 minutes of battery backup at full load.		
26 33 53 00-0019	EA		1 KVA, 900 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1000RT230).....	2,172.63	203.47
			Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0020	EA		1.5 KVA, 1,350 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-1500RT230).....	2,684.07	228.91
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0021	EA		2 KVA, 1,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-2000RT230).....	3,413.39	254.34
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0022	EA		3 KVA, 2,700 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-3000RT230).....	5,509.14	305.21
			Note: Includes 4 minutes of battery backup at full load.		
26 33 53 00-0023	EA		5 KVA, 4,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-5000RT230).....	7,970.92	406.94
			Note: Includes 9 minutes of battery backup at full load.		
26 33 53 00-0024	EA		6 KVA, 4,800 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-6000RT230).....	9,787.46	457.81
			Note: Includes 6 minutes of battery backup at full load.		
26 33 53 00-0025	EA		10 KVA, 9,000 Watt, 230 Volt AC Output, 230 Volt AC Input, Single Phase, On-Line, Uninterruptible Power Supply (UPS) (Liebert® GXT3-10000RT230).....	15,136.05	610.41
			Note: Includes 3 minutes of battery backup at full load.		
26 33 53 00-0026			<b>Optional Accessories For Single Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0001)</small>		
26 33 53 00-0027	EA		External Battery Cabinet For 0.5 To 2 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-48VBATT).....	979.27	46.24
			Note: Rack mount or tower configuration.		
26 33 53 00-0028	EA		External Battery Cabinet For 3 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-72VBATT).....	1,282.85	46.24
			Note: Rack mount or tower configuration.		
26 33 53 00-0029	EA		External Battery Cabinet For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATT).....	1,249.06	46.24
			Note: Rack mount or tower configuration.		
26 33 53 00-0030	EA		External Battery Cabinet For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTVBATT).....	848.49	46.24
			Note: Rack mount or tower configuration.		
26 33 53 00-0031	EA		Internal Replacement Battery For 5 To 6 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-144VBATKIT).....	1,253.48	152.61
26 33 53 00-0032	EA		Internal Replacement Battery For 8 To 10 KVA Single Phase, Uninterruptible Power Supply Systems (Liebert® GXT3-288RTBKIT).....	1,407.62	203.47
26 33 53 00-0033			<b>Three Phase, Uninterruptible Power Supply Systems (UPS)</b> <small>(26 33 53)</small>		
26 33 53 00-0034			<b>208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) With Internal Battery</b> <small>(26 33 53 00-0033)</small> Note: Includes start-up, 60 Hz frequency, bypass switch and diagnostics.		
26 33 53 00-0035	EA		10 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	43,065.50	610.41
26 33 53 00-0036	EA		15 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	47,763.83	813.88
26 33 53 00-0037	EA		20 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	53,457.73	1,017.35
26 33 53 00-0038	EA		30 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	58,056.51	1,220.82
26 33 53 00-0039	EA		40 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System With Internal Battery (Emerson eXM UPS).....	69,823.24	1,424.29
26 33 53 00-0040			<b>208 Volt AC Output, 120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery</b> <small>(26 33 53 00-0033)</small> Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0041	EA		60 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	94,943.13	2,427.78
26 33 53 00-0042	EA		80 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	103,588.28	3,005.82
26 33 53 00-0043	EA		100 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	114,687.01	3,506.79
26 33 53 00-0044	EA		120 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	141,242.47	3,969.23
26 33 53 00-0045	EA		140 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	146,865.68	4,431.66
26 33 53 00-0046	EA		160 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	152,594.91	4,894.09
26 33 53 00-0047	EA		180 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	159,518.79	5,356.53
26 33 53 00-0048	EA		200 kVA, 208/120 Volt AC Output, 208-120 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	166,442.67	5,818.96

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 33 Battery Equipment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

26 33 53 00-0049		<b>480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply (UPS) Without Internal Battery</b> <small>(26 33 53 00-0033)</small>		
		Note: Excludes Internal Battery See CSI section 26 33 53 00-0055 for batteries.		
26 33 53 00-0050	EA	50 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	88,558.79	2,003.88
26 33 53 00-0051	EA	100 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	115,284.34	3,522.20
26 33 53 00-0052	EA	150 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	157,084.54	4,069.42
26 33 53 00-0053	EA	200 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	184,735.12	4,470.19
26 33 53 00-0054	EA	250 kVA, 480 Volt AC Output, 480 Volt AC Input, Three Phase, On-Line, Uninterruptible Power Supply System Without Internal Battery (Emerson eXM UPS).....	215,770.56	4,932.63
26 33 53 00-0055		<b>Optional Accessories For Three Phase, Uninterruptible Power Supply Systems</b> <small>(26 33 53 00-0033)</small>		
26 33 53 00-0056	EA	Programmable Relay Board For Three Phase Uninterruptible Power Supply Systems.....	873.15	77.07
26 33 53 00-0057	EA	Network Interface Card For Three Phase Uninterruptible Power Supply Systems.....	1,405.78	77.07
26 33 53 00-0058	EA	Remote Status Panel With 100' Of Cable For Three Phase Uninterruptible Power Supply Systems.....	2,697.16	154.14
26 33 53 00-0059	EA	Slim Line Distribution Panel With Two 42 Pole Panels For Three Phase Uninterruptible Power Supply Systems.....	8,391.49	616.58
26 33 53 00-0060	EA	12 Volt, 491 Watt, 3 Phase, 134 Ampere Hours, Battery For Uninterruptible Power Supply Systems (C&D UPS12-490MR).....	657.05	77.07
26 33 53 00-0061	EA	12 Volt, 204 Watt, 3 Phase, 55 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX200).....	361.68	77.07
26 33 53 00-0062	EA	12 Volt, 257 Watt, 3 Phase, 65 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX250).....	404.78	77.07
26 33 53 00-0063	EA	12 Volt, 311 Watt, 3 Phase, 75 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX300).....	447.88	77.07
26 33 53 00-0064	EA	12 Volt, 374 Watt, 3 Phase, 90 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX350).....	525.46	77.07
26 33 53 00-0065	EA	12 Volt, 415 Watt, 3 Phase, 100 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX400).....	551.32	77.07
26 33 53 00-0066	EA	12 Volt, 493 Watt, 3 Phase, 135 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX500).....	684.94	77.07
26 33 53 00-0067	EA	12 Volt, 540 Watt, 3 Phase, 150 Ampere Hours, Battery For Uninterruptible Power Supply Systems (Fiamm 12FLX540).....	717.27	77.07
26 33 53 00-0068		<b>Other Uninterruptable Power Supply Equipment</b> <small>(26 33 53)</small>		
26 33 53 00-0069	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 42 Pole GE Plug-In.....	6,418.61	140.82
26 33 53 00-0070	EA	Uninterrupted Power Supply Slim-Line Distribution Panel 84 Pole GE Plug-In.....	7,758.37	281.64
26 33 53 00-0071	EA	1 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	35.95	8.45
26 33 53 00-0072	EA	2 Pole, 15 To 40 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	63.44	10.56
26 33 53 00-0073	EA	2 Pole, 50 To 80 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	116.35	10.56
26 33 53 00-0074	EA	3 Pole, 15 To 60 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	169.95	14.08
26 33 53 00-0075	EA	3 Pole, 70 To 100 Amperes, GE Plug-In Breakers For UPS Distribution Panel.....	239.78	14.08
26 33 53 00-0076	EA	Uninterrupted Power Supply Remote Status Panel.....	4,408.22	140.82
26 33 53 00-0077	EA	Uninterrupted Power Supply Remote Contact Board.....	1,480.93	105.62

**26 35 Power Filters and Conditioners** (26 30)**26 35 33 Power Factor Correction Equipment** (26 35)**26 35 33 16 Low-Voltage Power Factor Correction Equipment** (26 35 33)**26 35 33 16-0001 Power Factor Correction Capacitors** (26 35 33 16)

26 35 33 16-0002	EA	Power Factor Correction Capacitors, 2.0 KVAC.....	911.11	
26 35 33 16-0003	EA	Power Factor Correction Capacitors, 3.0 KVAC.....	1,009.07	
26 35 33 16-0004	EA	Power Factor Correction Capacitors, 4.0 KVAC.....	1,107.04	
26 35 33 16-0005	EA	Power Factor Correction Capacitors, 5.0 KVAC.....	1,201.09	
26 35 33 16-0006	EA	Power Factor Correction Capacitors, 7.5 KVAC.....	1,475.40	
26 35 33 16-0007	EA	Power Factor Correction Capacitors, 10.0 KVAC.....	1,802.62	
26 35 33 16-0008	EA	Power Factor Correction Capacitors, 15.0 KVAC.....	2,784.26	
26 35 33 16-0009	EA	Power Factor Correction Capacitors, 20.0 KVAC.....	3,381.87	
26 35 33 16-0010	EA	Power Factor Correction Capacitors, 25.0 KVAC.....	4,369.39	
26 35 33 16-0011	EA	Power Factor Correction Capacitors, 30.0 KVAC.....	4,968.95	
26 35 33 16-0012	EA	Power Factor Correction Capacitors, 50.0 KVAC.....	8,719.18	
26 35 33 16-0013	EA	Power Factor Correction Capacitors, 75.0 KVAC.....	13,110.12	
26 35 33 16-0014	EA	Power Factor Correction Capacitors, 100.0 KVAC.....	17,481.47	
26 35 33 16-0015	EA	Power Factor Correction Capacitors, Fuse Kit.....	811.18	

**26 35 53 Voltage Regulators** (26 35)**26 35 53 00-0001 Voltage Regulators, 480/277 Or 208/120 Volt, 3 Phase** (26 35 53)

Note: For diesel motor generator sets mounted in switchgear cabinet.

26 35 53 00-0002	EA	50 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	8,348.82	2,450.90
26 35 53 00-0003	EA	75 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	9,624.23	3,082.90
26 35 53 00-0004	EA	100 KVA Volt Regulator For Diesel M-G 480/277 Or 208/120 Volt, 3 Phase In Switchgear.....	10,798.67	3,668.64

**26 36 Transfer Switches** (26 30)

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 36 13 Manual Transfer Switches (26 36)**

**26 36 13 00-0001 Fused Manual Transfer Switches (26 36 13)**

26 36 13 00-0002	EA	30 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,474.75	269.75
26 36 13 00-0003	EA	60 Amperes, Manual Transfer Switch, Fused, 3 Pole, 480 Volt.....	1,728.01	335.11

**26 36 13 00-0004 Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 13)**

26 36 13 00-0005	EA	40 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT40).....	4,102.27	392.76
		<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
		<i>For NEMA 12 Enclosure, Add</i>	1,228.43	
26 36 13 00-0006	EA	70 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT70).....	4,546.55	471.32
		<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
		<i>For NEMA 12 Enclosure, Add</i>	1,228.43	
26 36 13 00-0007	EA	125 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT125).....	5,161.18	549.86
		<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
		<i>For NEMA 12 Enclosure, Add</i>	1,228.43	
26 36 13 00-0008	EA	150 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT150).....	6,406.10	628.42
		<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
		<i>For NEMA 12 Enclosure, Add</i>	1,228.43	
26 36 13 00-0009	EA	225 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT225).....	7,926.35	706.97
		<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
		<i>For NEMA 12 Enclosure, Add</i>	1,228.43	
26 36 13 00-0010	EA	260 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT260).....	8,911.22	785.52
		<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
		<i>For NEMA 12 Enclosure, Add</i>	1,228.43	
26 36 13 00-0011	EA	300 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT300).....	9,911.60	864.08
		<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
		<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 13 00-0012	EA	400 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT400).....	11,634.16	942.62
		<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
		<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 13 00-0013	EA	600 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT600).....	15,384.19	1,178.28
		<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
		<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 13 00-0014	EA	800 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT800).....	17,311.16	1,413.94
		<i>For NEMA 3R Enclosure, Add</i>	2,226.53	
		<i>For NEMA 12 Enclosure, Add</i>	2,149.77	
26 36 13 00-0015	EA	1,000 Amperes, Non-Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OT1000).....	23,049.09	1,974.84
		<i>For NEMA 3R Enclosure, Add</i>	2,226.53	
		<i>For NEMA 12 Enclosure, Add</i>	2,149.77	

**26 36 23 Automatic Transfer Switches (26 36)**

**26 36 23 00-0001 Automatic Transfer Switch (26 36 23)**

**26 36 23 00-0002 Automatic Transfer Switch, 2 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)**

Note: Programmable, 120/240 volt single phase, 3 wire.

26 36 23 00-0003	EA	100 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	3,713.20	549.86
		<i>For Level 2 Controller, Add</i>	202.54	
		<i>For Level 3 Controller, Add</i>	418.16	
		<i>For Level 4 Controller, Add</i>	607.63	
26 36 23 00-0004	EA	225 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	5,050.08	706.97
		<i>For Level 2 Controller, Add</i>	281.80	
		<i>For Level 3 Controller, Add</i>	581.78	
		<i>For Level 4 Controller, Add</i>	845.40	
26 36 23 00-0005	EA	400 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	8,021.25	942.62
		<i>For Level 2 Controller, Add</i>	475.54	
		<i>For Level 3 Controller, Add</i>	981.76	
		<i>For Level 4 Controller, Add</i>	1,426.62	
26 36 23 00-0006	EA	600 Amperes, Automatic Transfer Switch, 120/240 Volt, NEMA 1, 2 Pole Circuit Breaker, Programmable, 3 Wire.....	13,033.23	1,178.28
		<i>For Level 2 Controller, Add</i>	827.44	
		<i>For Level 3 Controller, Add</i>	1,708.27	
		<i>For Level 4 Controller, Add</i>	2,482.33	

**26 36 23 00-0007 Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (26 36 23 00-0001)**

26 36 23 00-0008	EA	40 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC40).....	6,109.77	392.76
		<i>For Level 2 Controller, Add</i>	412.63	
		<i>For Level 3 Controller, Add</i>	851.88	
		<i>For Level 4 Controller, Add</i>	1,237.89	
		<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
		<i>For NEMA 4 Enclosure, Add</i>	1,381.99	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0009	EA	70 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC70).....	7,053.80	471.32
		<i>For Level 2 Controller, Add</i>	473.62	
		<i>For Level 3 Controller, Add</i>	977.79	
		<i>For Level 4 Controller, Add</i>	1,420.85	
		<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
		<i>For NEMA 4 Enclosure, Add</i>	1,381.99	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	

**26 Electrical**

**26 30 Facility Electrical Power Generating and Storing Equipment**

**26 36 Transfer Switches**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0010	EA		100 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC100).....	7,404.06	510.58
			<i>For Level 2 Controller, Add</i>	494.67	
			<i>For Level 3 Controller, Add</i>	1,021.26	
			<i>For Level 4 Controller, Add</i>	1,484.02	
			<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,381.99	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0011	EA		125 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC125).....	7,754.31	549.86
			<i>For Level 2 Controller, Add</i>	515.73	
			<i>For Level 3 Controller, Add</i>	1,064.73	
			<i>For Level 4 Controller, Add</i>	1,547.19	
			<i>For NEMA 3R Enclosure, Add</i>	1,305.22	
			<i>For NEMA 4 Enclosure, Add</i>	1,381.99	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0012	EA		150 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC150).....	9,224.89	628.42
			<i>For Level 2 Controller, Add</i>	617.52	
			<i>For Level 3 Controller, Add</i>	1,274.89	
			<i>For Level 4 Controller, Add</i>	1,852.57	
			<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
			<i>For NEMA 4 Enclosure, Add</i>	1,996.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0013	EA		225 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC225).....	10,533.57	706.97
			<i>For Level 2 Controller, Add</i>	706.77	
			<i>For Level 3 Controller, Add</i>	1,459.14	
			<i>For Level 4 Controller, Add</i>	2,120.31	
			<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
			<i>For NEMA 4 Enclosure, Add</i>	1,996.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0014	EA		260 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC260).....	11,624.02	785.52
			<i>For Level 2 Controller, Add</i>	779.11	
			<i>For Level 3 Controller, Add</i>	1,608.48	
			<i>For Level 4 Controller, Add</i>	2,337.32	
			<i>For NEMA 3R Enclosure, Add</i>	1,535.55	
			<i>For NEMA 4 Enclosure, Add</i>	1,996.21	
			<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0015	EA		300 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC300).....	12,145.75	864.08
			<i>For Level 2 Controller, Add</i>	807.36	
			<i>For Level 3 Controller, Add</i>	1,666.82	
			<i>For Level 4 Controller, Add</i>	2,422.09	
			<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
			<i>For NEMA 4 Enclosure, Add</i>	2,149.77	
			<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 23 00-0016	EA		400 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC400).....	13,735.97	942.62
			<i>For Level 2 Controller, Add</i>	918.43	
			<i>For Level 3 Controller, Add</i>	1,896.12	
			<i>For Level 4 Controller, Add</i>	2,755.29	
			<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
			<i>For NEMA 4 Enclosure, Add</i>	2,149.77	
			<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 23 00-0017	EA		600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC600).....	18,824.82	1,178.28
			<i>For Level 2 Controller, Add</i>	1,276.29	
			<i>For Level 3 Controller, Add</i>	2,634.92	
			<i>For Level 4 Controller, Add</i>	3,828.87	
			<i>For NEMA 3R Enclosure, Add</i>	1,811.94	
			<i>For NEMA 4 Enclosure, Add</i>	2,149.77	
			<i>For NEMA 12 Enclosure, Add</i>	1,535.55	
26 36 23 00-0018	EA		800 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC800).....	21,110.77	1,413.94
			<i>For Level 2 Controller, Add</i>	1,416.92	
			<i>For Level 3 Controller, Add</i>	2,925.26	
			<i>For Level 4 Controller, Add</i>	4,250.77	
			<i>For NEMA 3R Enclosure, Add</i>	2,226.53	
			<i>For NEMA 4 Enclosure, Add</i>	2,456.89	
			<i>For NEMA 12 Enclosure, Add</i>	2,149.77	
26 36 23 00-0019	EA		1,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1000).....	27,490.63	1,974.84
			<i>For Level 2 Controller, Add</i>	1,824.42	
			<i>For Level 3 Controller, Add</i>	3,766.55	
			<i>For Level 4 Controller, Add</i>	5,473.27	
			<i>For NEMA 3R Enclosure, Add</i>	2,226.53	
			<i>For NEMA 4 Enclosure, Add</i>	2,456.89	
			<i>For NEMA 12 Enclosure, Add</i>	2,149.77	
26 36 23 00-0020	EA		1,200 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1200).....	35,691.91	2,139.41
			<i>For Level 2 Controller, Add</i>	2,434.52	
			<i>For Level 3 Controller, Add</i>	5,026.10	
			<i>For Level 4 Controller, Add</i>	7,303.55	
			<i>For NEMA 3R Enclosure, Add</i>	4,913.75	
			<i>For NEMA 4 Enclosure, Add</i>	2,763.98	
			<i>For NEMA 12 Enclosure, Add</i>	2,303.33	
26 36 23 00-0021	EA		1,600 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC1600).....	38,046.61	2,468.55
			<i>For Level 2 Controller, Add</i>	2,565.99	
			<i>For Level 3 Controller, Add</i>	5,297.52	
			<i>For Level 4 Controller, Add</i>	7,697.96	
			<i>For NEMA 3R Enclosure, Add</i>	7,984.83	
			<i>For NEMA 4 Enclosure, Add</i>	9,827.47	
			<i>For NEMA 12 Enclosure, Add</i>	7,984.83	
26 36 23 00-0022	EA		2,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC2000).....	43,502.35	2,797.69
			<i>For Level 2 Controller, Add</i>	2,937.79	
			<i>For Level 3 Controller, Add</i>	6,065.12	
			<i>For Level 4 Controller, Add</i>	8,813.37	
			<i>For NEMA 3R Enclosure, Add</i>	7,984.83	
			<i>For NEMA 4 Enclosure, Add</i>	9,827.47	
			<i>For NEMA 12 Enclosure, Add</i>	7,984.83	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0023	EA		3,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC3000) .....	52,537.38	3,455.97
			For Level 2 Controller, Add	3,535.97	
			For Level 3 Controller, Add	7,300.07	
			For Level 4 Controller, Add	10,607.91	
			For NEMA 3R Enclosure, Add	7,984.83	
26 36 23 00-0024	EA		4,000 Amperes, Automatic Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPC4000) .....	91,248.84	4,114.25
			For Level 2 Controller, Add	6,434.08	
			For Level 3 Controller, Add	13,283.26	
			For Level 4 Controller, Add	19,302.23	
			For NEMA 3R Enclosure, Add	14,802.63	
<b>26 36 23 00-0025 Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure</b> <small>(26 36 23 00-0001)</small>					
26 36 23 00-0026	EA		150 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC150).....	30,375.06	2,984.98
			For NEMA 3R Enclosure, Add	2,687.21	
			For NEMA 4 Enclosure, Add	2,763.98	
			For NEMA 12 Enclosure, Add	1,458.78	
			For Level 2 Controller, Add	1,891.39	
			For Level 3 Controller, Add	3,904.81	
			For Level 4 Controller, Add	5,674.18	
26 36 23 00-0027	EA		225 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC225).....	31,705.95	3,142.09
			For NEMA 3R Enclosure, Add	2,687.21	
			For NEMA 4 Enclosure, Add	2,763.98	
			For NEMA 12 Enclosure, Add	1,458.78	
			For Level 2 Controller, Add	1,970.19	
			For Level 3 Controller, Add	4,067.48	
			For Level 4 Controller, Add	5,910.56	
26 36 23 00-0028	EA		260 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC260).....	33,236.58	3,299.19
			For NEMA 3R Enclosure, Add	2,687.21	
			For NEMA 4 Enclosure, Add	2,763.98	
			For NEMA 12 Enclosure, Add	1,458.78	
			For Level 2 Controller, Add	2,064.46	
			For Level 3 Controller, Add	4,262.11	
			For Level 4 Controller, Add	6,193.38	
26 36 23 00-0029	EA		300 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC300).....	37,122.56	3,377.74
			For NEMA 3R Enclosure, Add	2,687.21	
			For NEMA 4 Enclosure, Add	2,763.98	
			For NEMA 12 Enclosure, Add	1,458.78	
			For Level 2 Controller, Add	2,353.45	
			For Level 3 Controller, Add	4,858.73	
			For Level 4 Controller, Add	7,060.34	
26 36 23 00-0030	EA		400 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC400).....	42,884.21	3,456.29
			For NEMA 3R Enclosure, Add	2,687.21	
			For NEMA 4 Enclosure, Add	2,763.98	
			For NEMA 12 Enclosure, Add	1,458.78	
			For Level 2 Controller, Add	2,787.80	
			For Level 3 Controller, Add	5,755.46	
			For Level 4 Controller, Add	8,363.40	
26 36 23 00-0031	EA		600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC600).....	51,539.17	3,613.40
			For NEMA 3R Enclosure, Add	2,687.21	
			For NEMA 4 Enclosure, Add	2,763.98	
			For NEMA 12 Enclosure, Add	1,535.55	
			For Level 2 Controller, Add	3,434.21	
			For Level 3 Controller, Add	7,089.98	
			For Level 4 Controller, Add	10,302.63	
26 36 23 00-0032	EA		800 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC800).....	56,836.23	3,770.50
			For NEMA 3R Enclosure, Add	2,763.98	
			For NEMA 4 Enclosure, Add	2,763.98	
			For NEMA 12 Enclosure, Add	1,689.11	
			For Level 2 Controller, Add	3,820.38	
			For Level 3 Controller, Add	7,887.24	
			For Level 4 Controller, Add	11,461.14	
26 36 23 00-0033	EA		1,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1000).....	71,445.20	4,398.92
			For NEMA 3R Enclosure, Add	2,763.98	
			For NEMA 4 Enclosure, Add	2,763.98	
			For NEMA 12 Enclosure, Add	1,689.11	
			For Level 2 Controller, Add	4,855.17	
			For Level 3 Controller, Add	10,023.58	
			For Level 4 Controller, Add	14,565.51	
26 36 23 00-0034	EA		1,200 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1200).....	93,742.22	4,937.10
			For NEMA 3R Enclosure, Add	12,284.33	
			For NEMA 4 Enclosure, Add	15,355.41	
			For NEMA 12 Enclosure, Add	12,284.33	
			For Level 2 Controller, Add	6,499.77	
			For Level 3 Controller, Add	13,418.88	
			For Level 4 Controller, Add	19,499.32	
26 36 23 00-0035	EA		1,600 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC1600).....	122,405.40	5,266.23
			For NEMA 3R Enclosure, Add	26,104.20	
			For NEMA 4 Enclosure, Add	26,104.20	
			For NEMA 12 Enclosure, Add	24,322.98	
			For Level 2 Controller, Add	8,670.15	
			For Level 3 Controller, Add	17,899.67	
			For Level 4 Controller, Add	26,010.45	

**26 Electrical****26 30 Facility Electrical Power Generating and Storing Equipment****26 36 Transfer Switches**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 36 23 00-0036	EA	2,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC2000).....	139,006.49	5,759.95
		<i>For NEMA 3R Enclosure, Add</i>	26,104.20	
		<i>For NEMA 4 Enclosure, Add</i>	26,104.20	
		<i>For NEMA 12 Enclosure, Add</i>	24,322.98	
		<i>For Level 2 Controller, Add</i>	9,880.21	
		<i>For Level 3 Controller, Add</i>	20,397.85	
		<i>For Level 4 Controller, Add</i>	29,640.63	
26 36 23 00-0037	EA	3,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC3000).....	222,554.80	6,582.80
		<i>For NEMA 3R Enclosure, Add</i>	32,246.35	
		<i>For Level 2 Controller, Add</i>	16,227.66	
		<i>For Level 3 Controller, Add</i>	33,502.27	
		<i>For Level 4 Controller, Add</i>	48,682.99	
26 36 23 00-0038	EA	4,000 Amperes, Bypass Isolation Transfer Switch, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins BTPC4000).....	240,197.26	7,405.65
		<i>For NEMA 3R Enclosure, Add</i>	32,246.35	
		<i>For Level 2 Controller, Add</i>	17,467.41	
		<i>For Level 3 Controller, Add</i>	36,061.76	
		<i>For Level 4 Controller, Add</i>	52,402.24	

**26 36 23 00-0039 Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure** (26 36 23 00-0001)

26 36 23 00-0040	EA	40 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE40).....	9,983.98	392.76
		<i>For Level 2 Controller, Add</i>	712.88	
		<i>For Level 3 Controller, Add</i>	1,471.75	
		<i>For Level 4 Controller, Add</i>	2,138.64	
		<i>For NEMA 3R Enclosure, Add</i>	767.78	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0041	EA	70 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE70).....	10,794.30	471.32
		<i>For Level 2 Controller, Add</i>	763.51	
		<i>For Level 3 Controller, Add</i>	1,576.27	
		<i>For Level 4 Controller, Add</i>	2,290.52	
		<i>For NEMA 3R Enclosure, Add</i>	767.78	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0042	EA	100 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE100).....	11,198.76	510.58
		<i>For Level 2 Controller, Add</i>	788.76	
		<i>For Level 3 Controller, Add</i>	1,628.41	
		<i>For Level 4 Controller, Add</i>	2,366.29	
		<i>For NEMA 3R Enclosure, Add</i>	767.78	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0043	EA	125 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE125).....	11,603.21	549.86
		<i>For Level 2 Controller, Add</i>	814.02	
		<i>For Level 3 Controller, Add</i>	1,680.56	
		<i>For Level 4 Controller, Add</i>	2,442.06	
		<i>For NEMA 3R Enclosure, Add</i>	767.78	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0044	EA	150 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE150).....	13,936.74	628.42
		<i>For Level 2 Controller, Add</i>	982.69	
		<i>For Level 3 Controller, Add</i>	2,028.78	
		<i>For Level 4 Controller, Add</i>	2,948.08	
		<i>For Four Pole Circuit Breaker, Add</i>	3,838.85	
		<i>For NEMA 3R Enclosure, Add</i>	767.78	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0045	EA	225 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE225).....	18,153.89	706.97
		<i>For Level 2 Controller, Add</i>	1,297.35	
		<i>For Level 3 Controller, Add</i>	2,678.39	
		<i>For Level 4 Controller, Add</i>	3,892.04	
		<i>For Four Pole Circuit Breaker, Add</i>	3,838.85	
		<i>For NEMA 3R Enclosure, Add</i>	767.78	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0046	EA	250 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE250).....	19,326.00	785.52
		<i>For Level 2 Controller, Add</i>	1,376.01	
		<i>For Level 3 Controller, Add</i>	2,840.79	
		<i>For Level 4 Controller, Add</i>	4,128.03	
		<i>For Four Pole Circuit Breaker, Add</i>	3,838.85	
		<i>For NEMA 3R Enclosure, Add</i>	767.78	
		<i>For NEMA 12 Enclosure, Add</i>	1,381.99	
26 36 23 00-0047	EA	300 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE300).....	20,095.51	864.08
		<i>For Level 2 Controller, Add</i>	1,423.47	
		<i>For Level 3 Controller, Add</i>	2,938.78	
		<i>For Level 4 Controller, Add</i>	4,270.41	
		<i>For Four Pole Circuit Breaker, Add</i>	5,220.84	
		<i>For NEMA 3R Enclosure, Add</i>	1,996.21	
		<i>For NEMA 12 Enclosure, Add</i>	1,535.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 36 23 00-0048 EA 400 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE400).....	22,742.97	942.62
For Level 2 Controller, Add	1,616.47	
For Level 3 Controller, Add	3,337.24	
For Level 4 Controller, Add	4,849.42	
For Four Pole Circuit Breaker, Add	5,220.84	
For NEMA 3R Enclosure, Add	1,996.21	
For NEMA 12 Enclosure, Add	1,535.55	
26 36 23 00-0049 EA 600 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE600).....	27,593.90	1,178.28
For Level 2 Controller, Add	1,955.89	
For Level 3 Controller, Add	4,037.97	
For Level 4 Controller, Add	5,867.68	
For Four Pole Circuit Breaker, Add	5,220.84	
For NEMA 3R Enclosure, Add	1,996.21	
For NEMA 12 Enclosure, Add	1,535.55	
26 36 23 00-0050 EA 800 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE800).....	28,735.32	1,413.94
For Level 2 Controller, Add	2,007.83	
For Level 3 Controller, Add	4,145.19	
For Level 4 Controller, Add	6,023.48	
For Four Pole Circuit Breaker, Add	7,447.38	
For NEMA 3R Enclosure, Add	3,439.63	
For NEMA 12 Enclosure, Add	2,149.77	
26 36 23 00-0051 EA 1,000 Amperes, Automatic Transfer Switch/Service Entrance, 3 Pole Circuit Breaker, NEMA 1 Enclosure (Cummins OTPCSE1000).....	34,079.06	1,974.84
For Level 2 Controller, Add	2,335.03	
For Level 3 Controller, Add	4,820.70	
For Level 4 Controller, Add	7,005.08	
For Four Pole Circuit Breaker, Add	7,447.38	
For NEMA 3R Enclosure, Add	3,439.63	
For NEMA 12 Enclosure, Add	2,149.77	
<b>26 36 23 00-0052 Accessories</b> <small>(26 36 23)</small>		
26 36 23 00-0053 EA Auxiliary Contacts For Automatic Transfer Switch .....	356.25	
26 36 23 00-0054 EA Battery Charger For Automatic Transfer Switch .....	2,917.54	
26 36 23 00-0055 EA Elevator Relay Signal For Automatic Transfer Switch .....	1,059.53	

**26 40 Electrical And Cathodic Protection** (26)

**26 43 Surge Protective Devices** (26 40)

**26 43 13 Surge Protective Devices for Low-Voltage Electrical Power Circuits** (26 43)

<b>26 43 13 00-0001 25 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0002 EA 120/240 Volt AC Single Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	256.57	38.54
26 43 13 00-0003 EA 208 Volt AC Three Phase, 3 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	274.78	38.54
26 43 13 00-0004 EA 240/120 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	290.20	46.24
26 43 13 00-0005 EA 277 Volt AC Single Phase, 2 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	235.95	30.83
26 43 13 00-0006 EA 480/277 Volt AC Three Phase, 4 Wire 25 kA Low Exposure Transient Voltage Surge Suppressor .....	290.20	46.24
<b>26 43 13 00-0007 50 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0008 EA 120/240 Volt AC Single Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	346.31	38.54
26 43 13 00-0009 EA 208/120 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	372.14	46.24
26 43 13 00-0010 EA 208 Volt AC Three Phase, 3 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	356.72	38.54
26 43 13 00-0011 EA 480/277 Volt AC Three Phase, 4 Wire 50 kA Low Exposure Transient Voltage Surge Suppressor .....	372.14	46.24
<b>26 43 13 00-0012 100 kA Low Exposure (14 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert LPL		
26 43 13 00-0013 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	413.95	38.54
26 43 13 00-0014 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	439.78	46.24
26 43 13 00-0015 EA 277 Volt AC Single Phase, 2 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	382.93	30.83
26 43 13 00-0016 EA 480/277 Volt AC Three Phase, 4 Wire 100 kA Low Exposure Transient Voltage Surge Suppressor .....	439.78	46.24
<b>26 43 13 00-0017 100 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert LPM		
26 43 13 00-0018 EA 120/240 Volt AC Single Phase, 3 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	484.19	38.54
26 43 13 00-0019 EA 208/120 Volt AC Three Phase, 4 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	547.73	46.24
26 43 13 00-0020 EA 277 Volt AC Three Phase, 2 Wire 100 kA Medium Exposure Transient Voltage Surge Suppressor .....	454.47	30.83
<b>26 43 13 00-0021 160 kA Low Exposure (65 kAIC) Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert LPM		
26 43 13 00-0022 EA 208/120 Volt AC Single Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	840.39	46.24
26 43 13 00-0023 EA 208 Volt AC Three Phase, 3 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	824.97	38.54
26 43 13 00-0024 EA 480/277 Volt AC Three Phase, 4 Wire 160 kA Medium Exposure Transient Voltage Surge Suppressor .....	840.39	46.24
<b>26 43 13 00-0025 250 kA, 500 Joule Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
Note: Liebert Interceptor Hybrid.		

**26 Electrical**

**26 40 Electrical And Cathodic Protection**

**26 43 Surge Protective Devices**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 43 13 00-0026	EA	LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor.....	8,137.67	77.07
26 43 13 00-0027	EA	Audible Alarm/LED Display, 120/208 Volt AC Three Phase, 250 kA Transient Voltage Surge Suppressor .....	9,947.83	77.07
26 43 13 00-0028		<b>Class 1310 Transient Voltage Surge Suppression</b> <small>(26 43 13)</small>		
		Note: Supplied with audible alarm, alarm enable/disable switch and dry contacts. Square D.		
26 43 13 00-0029		<b>NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>		
		Note: Square D. EMA series.		
26 43 13 00-0030	EA	120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	3,917.43	200.39
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0031	EA	160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,327.16	231.21
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0032	EA	240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,279.19	269.75
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0033	EA	320 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,321.63	308.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0034	EA	480 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,293.49	423.90
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0035	EA	120 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,082.19	200.39
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0036	EA	160 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,508.16	231.21
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0037	EA	240 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,558.82	269.75
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0038	EA	320 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,684.78	308.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0039	EA	480 kA, 120/208 Volt, 1 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,853.89	423.90
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0040	EA	120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,082.19	200.39
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0041	EA	160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,508.16	231.21
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0042	EA	240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,558.75	269.75
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0043	EA	320 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	8,684.78	308.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0044	EA	480 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	12,853.89	423.90
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0045	EA	120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,246.97	200.39
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0046	EA	160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,691.48	231.21
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0047	EA	240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	6,840.75	269.75
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0048	EA	320 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,050.35	308.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0049	EA	480 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,416.56	423.90
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0050	EA	120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,438.41	200.39
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0051	EA	160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	4,881.81	231.21
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0052	EA	240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	7,135.45	269.75
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0053	EA	320 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	9,433.23	308.29
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0054	EA	480 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Modular Device Transient Voltage Surge Suppressor.....	13,209.42	423.90
		<i>For Integral Disconnect, Add</i>	438.87	
		<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0055		<b>NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>		
		Note: Square D EBA series.		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0056	EA			120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,082.11	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0057	EA			160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,716.94	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0058	EA			240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,404.40	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0059	EA			120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,176.08	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0060	EA			160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,856.17	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0061	EA			240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,586.55	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0062	EA			120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,176.08	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0063	EA			160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,856.17	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0064	EA			240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,586.55	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0065	EA			120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,295.59	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0066	EA			160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,005.84	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0067	EA			240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	5,819.75	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0068	EA			120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	3,420.90	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0069	EA			160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	4,164.78	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0070	EA			240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 1/3R/12 Non-Modular Device Transient Voltage Surge Suppressor.....	6,064.55	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
<b>26 43 13 00-0071</b>				<b>NEMA 4X Modular Device Transient Voltage Surge Suppressor</b> <small>(26 43 13 00-0028)</small>		
				Note: Square D EMA series. Stainless steel.		
26 43 13 00-0072	EA			120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,013.84	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0073	EA			160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,423.58	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0074	EA			240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,375.61	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0075	EA			120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,178.60	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0076	EA			160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,604.57	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0077	EA			240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,655.23	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0078	EA			120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,178.60	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0079	EA			160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,604.57	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0080	EA			240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,655.16	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0081	EA			120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,343.39	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0082	EA			160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,787.89	231.21
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0083	EA			240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	7,937.16	269.75
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0084	EA			120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,534.82	200.39
				<i>For Integral Disconnect, Add</i>	438.87	
				<i>For Surge Counter, Add</i>	335.40	



**26 Electrical****26 40 Electrical And Cathodic Protection****26 43 Surge Protective Devices**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 43 13 00-0085	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	5,978.22	231.21
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0086	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Modular Device Transient Voltage Surge Suppressor.....	8,231.86	269.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
<b>26 43 13 00-0087</b>			<b>NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor</b> (26 43 13 00-0028)		
			Note: Square D EBA series. Stainless steel.		
26 43 13 00-0088	EA		120 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,178.52	200.39
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0089	EA		160 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,813.35	231.21
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0090	EA		240 kA, 120/240 Volt, 1 Phase, 3 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,500.81	269.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0091	EA		120 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,272.49	200.39
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0092	EA		160 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,952.58	231.21
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0093	EA		240 kA, 120/208 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,682.96	269.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0094	EA		120 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,272.49	200.39
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0095	EA		160 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,952.58	231.21
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0096	EA		240 kA, 120/240 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,682.96	269.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0097	EA		120 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,392.00	200.39
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0098	EA		160 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,102.25	231.21
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0099	EA		240 kA, 277/480 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	6,916.16	269.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0100	EA		120 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	4,517.31	200.39
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0101	EA		160 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	5,261.20	231.21
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	
26 43 13 00-0102	EA		240 kA, 347/600 Volt, 3 Phase, 4 Wire NEMA 4X Non-Modular Device Transient Voltage Surge Suppressor.....	7,160.97	269.75
			<i>For Integral Disconnect, Add</i>	438.87	
			<i>For Surge Counter, Add</i>	335.40	

**26 50 Lighting** (26)

Note: Includes testing of fixture, a set of lamps (light bulbs), wire nuts, ground wire connector, fixture whip, ballast(s), mounting brackets where necessary and cable connectors. Lay-in fixtures include support wire, clips and seismic supports.

**26 51 Interior Lighting** (26 50)**26 51 13 Incandescent Interior Lighting** (26 51)**26 51 13 00-0001 Recessed Fixtures** (26 51 13)

Note: Housing and trim priced separately.

**26 51 13 00-0002 Incandescent, Recessed Fixture Housings** (26 51 13 00-0001)

26 51 13 00-0003	EA		4" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	99.54	44.08
			<i>For Remodel T Housing, Add</i>	0.83	
			<i>For ICAT Housing, Add</i>	4.29	
26 51 13 00-0004	EA		5" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	99.54	44.08
			<i>For Remodel T Housing, Add</i>	0.83	
			<i>For ICAT Housing, Add</i>	4.29	
26 51 13 00-0005	EA		6" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	105.50	46.24
			<i>For Remodel T Housing, Add</i>	0.90	
			<i>For ICAT Housing, Add</i>	4.66	
26 51 13 00-0006	EA		7" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	111.63	48.25
			<i>For Remodel T Housing, Add</i>	0.98	
			<i>For ICAT Housing, Add</i>	5.05	
26 51 13 00-0007	EA		8" Round, Incandescent, T Or ICT Recessed Fixture Housing.....	117.79	50.25
			<i>For Remodel T Housing, Add</i>	1.06	
			<i>For ICAT Housing, Add</i>	5.45	
26 51 13 00-0008	EA		10" To 12" Square, Incandescent, T Or ICT Recessed Fixture Housing.....	120.65	53.34
			<i>For Remodel T Housing, Add</i>	1.01	
			<i>For ICAT Housing, Add</i>	5.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 51 13 00-0009</b>			<b>Recessed Fixture Trim (26 51 13 00-0001)</b>		
26 51 13 00-0010	EA		Circular, Recessed Fixture Trim .....	73.53	21.58
26 51 13 00-0011	EA		Circular Clear Lens, Recessed Fixture Trim .....	81.07	21.58
26 51 13 00-0012	EA		Open/Baffle, Recessed Fixture Trim .....	94.13	21.58
26 51 13 00-0013	EA		Specular Reflector, Recessed Fixture Trim .....	101.06	21.58
26 51 13 00-0014	EA		Eyeball, Recessed Fixture Trim .....	81.18	21.58
26 51 13 00-0015	EA		10" To 12" Square, Clear Lens, Recessed Fixture Trim .....	77.13	21.58
26 51 13 00-0016	EA		10" To 12" Square, Drop Dish, Recessed Fixture Trim .....	81.77	21.58
<b>26 51 13 00-0017</b>			<b>Track Lighting (26 51 13)</b>		
<b>26 51 13 00-0018</b>			<b>Track Lighting Tracks (26 51 13 00-0017)</b>		
26 51 13 00-0019	LF		1 Circuit Track Lighting Track .....	27.02	10.18
26 51 13 00-0020	LF		2 Circuit Track Lighting Track .....	34.32	10.18
26 51 13 00-0021	LF		3 Circuit Track Lighting Track .....	40.61	10.18
26 51 13 00-0022	LF		4 Circuit Track Lighting Track .....	46.93	12.33
<b>26 51 13 00-0023</b>			<b>Incandescent Track Lighting Fixtures (26 51 13 00-0017)</b>		
26 51 13 00-0024	EA		Incandescent Track Lighting Fixture, 120 Volt .....	94.49	25.75
26 51 13 00-0025	EA		Par 20 Track Fixture, White Or Black Finish, 120 Volt .....	67.14	25.75
26 51 13 00-0026	EA		Par 30 Track Fixture, White Or Black Finish, 120 Volt .....	89.23	25.75
26 51 13 00-0027	EA		Par 38 Track Fixture, White Or Black Finish, 120 Volt .....	91.42	25.75
26 51 13 00-0028	EA		PAR 16, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	77.14	25.75
26 51 13 00-0029	EA		PAR 20, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	67.14	25.75
26 51 13 00-0030	EA		PAR 30, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	76.09	25.75
			Note: 120V.		
26 51 13 00-0031	EA		PAR 38, Baffled Cylinder Track Fixture, White or Black Finish, 120 Volt .....	93.61	25.75
<b>26 51 13 00-0032</b>			<b>Track Lighting Accessories (26 51 13 00-0017)</b>		
<b>26 51 13 00-0033</b>			<b>Pendant Mounting (26 51 13 00-0032)</b>		
26 51 13 00-0034	EA		Track Lighting Pendant Mounting, Up to 12" .....	31.85	
26 51 13 00-0035	EA		Track Lighting Pendant Mounting, >12" To 24" .....	39.89	
26 51 13 00-0036	EA		Track Lighting Pendant Mounting, >24" To 36" .....	48.30	
<b>26 51 13 00-0037</b>			<b>Wet Location, Dust Resistant, Vapor Tight Fixtures (26 51 13)</b>		
<b>26 51 13 00-0038</b>			<b>Incandescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures (26 51 13 00-0037)</b>		
26 51 13 00-0039	EA		100 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	150.89	61.66
			For Wall Mounted, Add	5.10	
26 51 13 00-0040	EA		200 Watt Incandescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	169.32	61.66
			For Wall Mounted, Add	5.10	
<b>26 51 16</b>			<b>Fluorescent Interior Lighting (26 51)</b>		
<b>26 51 16 00-0001</b>			<b>Fluorescent Fixtures (26 51 16)</b>		
<b>26 51 16 00-0002</b>			<b>Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0001)</b>		
<b>26 51 16 00-0003</b>			<b>Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixtures (Lightron) (26 51 16 00-0002)</b>		
			Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
26 51 16 00-0004	EA		4-3/8" x 2', 1 17W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44) .....	283.31	70.90
26 51 16 00-0005	EA		4-3/8" x 2', 2 17W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44) .....	295.51	70.90
26 51 16 00-0006	EA		4-3/8" x 4', 1 32W T8 Lamp, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44) .....	297.50	70.90
26 51 16 00-0007	EA		4-3/8" x 4', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44) .....	313.43	70.90
26 51 16 00-0008	EA		4-3/8" x 8', 2 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44) .....	486.66	70.90
26 51 16 00-0009	EA		4-3/8" x 8', 4 32W T8 Lamps, Surface Mounted, Slimline Corridor Wraparound Fluorescent Fixture (Lightron W44) .....	511.55	70.90
<b>26 51 16 00-0010</b>			<b>Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0002)</b>		
			Note: Includes 20 gauge steel housing with powder coated finish, prismatic acrylic lens and solid-state electronic ballast.		
<b>26 51 16 00-0011</b>			<b>6" x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)</b>		
26 51 16 00-0012	EA		1 T8 Lamp, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	205.21	44.08
26 51 16 00-0013	EA		2 T8 Lamps, 6" x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	229.36	44.08
<b>26 51 16 00-0014</b>			<b>6" x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)</b>		
26 51 16 00-0015	EA		1 T8 Lamp, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	230.83	45.91
26 51 16 00-0016	EA		2 T8 Lamps, 6" x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	257.22	45.91
<b>26 51 16 00-0017</b>			<b>1' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)</b>		
26 51 16 00-0018	EA		2 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	274.77	51.54
26 51 16 00-0019	EA		3 T8 Lamps, 1' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	323.82	51.54

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0020	2' x 2', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)		
26 51 16 00-0021	EA 2 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	227.31	56.33
26 51 16 00-0022	EA 3 T8 Lamps, 2' x 2', Surface Mounted, Wraparound Fluorescent Fixture .....	260.88	56.33
26 51 16 00-0023	2' x 4', Surface Mounted, Wraparound Fluorescent Fixtures (26 51 16 00-0010)		
26 51 16 00-0024	EA 2 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	351.51	65.63
26 51 16 00-0025	EA 3 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	377.23	65.63
26 51 16 00-0026	EA 4 T8 Lamps, 2' x 4', Surface Mounted, Wraparound Fluorescent Fixture .....	426.22	65.63
26 51 16 00-0027	Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0001) Note: Includes prismatic lens.		
26 51 16 00-0028	1' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0027)		
26 51 16 00-0029	EA 2 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	273.29	51.12
26 51 16 00-0030	EA 3 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	436.96	51.12
26 51 16 00-0031	EA 4 T8 Lamps, 1' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	496.81	51.12
26 51 16 00-0032	2' x 2', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0027)		
26 51 16 00-0033	EA 2 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	421.90	56.33
26 51 16 00-0034	EA 3 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	459.71	56.33
26 51 16 00-0035	EA 4 T8 Lamps, 2' x 2', Surface Mounted, Box Type Fluorescent Fixture .....	487.00	56.33
26 51 16 00-0036	2' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0027)		
26 51 16 00-0037	EA 2 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	429.82	65.63
26 51 16 00-0038	EA 3 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	470.07	65.63
26 51 16 00-0039	EA 4 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	492.24	65.63
26 51 16 00-0040	EA 6 T8 Lamps, 2' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	525.98	65.63
26 51 16 00-0041	4' x 4', Surface Mounted, Box Type Fluorescent Fixtures (26 51 16 00-0027)		
26 51 16 00-0042	EA 4 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	842.25	84.49
26 51 16 00-0043	EA 6 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	855.80	84.49
26 51 16 00-0044	EA 8 T8 Lamps, 4' x 4', Surface Mounted, Box Type Fluorescent Fixture .....	731.11	84.49
26 51 16 00-0045	Recessed Fluorescent Fixtures (26 51 16 00-0001)		
26 51 16 00-0046	Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0045)		
26 51 16 00-0047	1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0046)		
26 51 16 00-0048	EA 2 T8 Lamps, 1' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	381.45	44.08
	For Drywall Or Plaster Ceilings, Add	29.79	
26 51 16 00-0049	1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0046)		
26 51 16 00-0050	EA 2 T8 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	502.21	51.12
	For Drywall Or Plaster Ceilings, Add	34.85	
26 51 16 00-0051	EA 2 T5 Lamps, 1' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	927.99	51.12
	For Drywall Or Plaster Ceilings, Add	34.85	
26 51 16 00-0052	2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0046)		
26 51 16 00-0053	EA 2 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	509.19	56.33
	For Drywall Or Plaster Ceilings, Add	38.02	
26 51 16 00-0054	EA 3 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	584.47	56.33
	For Drywall Or Plaster Ceilings, Add	38.02	
26 51 16 00-0055	EA 4 T8 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	590.33	56.33
	For Drywall Or Plaster Ceilings, Add	38.03	
26 51 16 00-0056	EA 2 T5 Lamps, 2' x 2', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	636.16	56.33
	For Drywall Or Plaster Ceilings, Add	38.02	
26 51 16 00-0057	2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture (26 51 16 00-0046)		
26 51 16 00-0058	EA 2 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	489.93	65.63
	For Drywall Or Plaster Ceilings, Add	44.36	
26 51 16 00-0059	EA 3 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	689.69	65.63
	For Drywall Or Plaster Ceilings, Add	44.36	
26 51 16 00-0060	EA 4 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	696.47	65.63
	For Drywall Or Plaster Ceilings, Add	44.36	
26 51 16 00-0061	EA 6 T8 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	776.82	65.63
	For Drywall Or Plaster Ceilings, Add	44.36	
26 51 16 00-0062	EA 2 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	664.43	65.63
	For Drywall Or Plaster Ceilings, Add	44.36	
26 51 16 00-0063	EA 3 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	915.86	65.63
	For Drywall Or Plaster Ceilings, Add	44.36	
26 51 16 00-0064	EA 4 T5 Lamps, 2' x 4', Prismatic Lensed, Lay-In/Troffer Fluorescent Fixture .....	932.12	65.63
	For Drywall Or Plaster Ceilings, Add	44.36	
26 51 16 00-0065	Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures (26 51 16 00-0045)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0066			<b>1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0065)		
26 51 16 00-0067	EA		1 T8 Lamp, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture.....	449.83	44.08
			<i>For Drywall Or Plaster Ceilings, Add</i>	29.79	
26 51 16 00-0068	EA		2 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	455.67	44.08
			<i>For Drywall Or Plaster Ceilings, Add</i>	29.79	
26 51 16 00-0069	EA		3 T8 Lamps, 1' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	535.74	44.08
			<i>For Drywall Or Plaster Ceilings, Add</i>	29.79	
26 51 16 00-0070			<b>1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0065)		
26 51 16 00-0071	EA		1 T8 Lamp, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture.....	512.39	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0072	EA		2 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	519.17	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0073	EA		3 T8 Lamps, 1' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	586.92	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0074			<b>2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0065)		
26 51 16 00-0075	EA		2 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	525.32	56.33
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.03	
26 51 16 00-0076	EA		3 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	531.16	56.33
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.03	
26 51 16 00-0077	EA		4 T8 Lamps, 2' x 2', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	610.00	56.33
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.03	
26 51 16 00-0078			<b>2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixtures</b> (26 51 16 00-0065)		
26 51 16 00-0079	EA		2 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	489.93	65.63
			<i>For Drywall Or Plaster Ceilings, Add</i>	44.36	
26 51 16 00-0080	EA		3 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	574.94	65.63
			<i>For Drywall Or Plaster Ceilings, Add</i>	44.36	
26 51 16 00-0081	EA		4 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	655.65	65.63
			<i>For Drywall Or Plaster Ceilings, Add</i>	44.36	
26 51 16 00-0082	EA		6 T8 Lamps, 2' x 4', Parabolic, Lay-In/Troffer, Recessed Fluorescent Fixture .....	743.42	65.63
			<i>For Drywall Or Plaster Ceilings, Add</i>	44.36	
26 51 16 00-0083			<b>Direct-Indirect, Recessed Fluorescent Fixtures</b> (26 51 16 00-0045)		
26 51 16 00-0084			<b>1' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> (26 51 16 00-0083)		
26 51 16 00-0085	EA		1 T8 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	977.89	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0086	EA		2 T8 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	984.66	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0087	EA		1 T5 Lamp, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	1,162.91	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0088	EA		2 T5 Lamps, 1' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	1,179.16	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0089			<b>2' x 2', Direct-Indirect, Recessed Fluorescent Fixtures</b> (26 51 16 00-0083)		
26 51 16 00-0090	EA		2 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture.....	770.87	56.33
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.02	
26 51 16 00-0091	EA		3 T8 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture.....	861.07	56.33
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.02	
26 51 16 00-0092	EA		2 T5 Lamps, 2' x 2', Direct-Indirect, Recessed Fluorescent Fixture.....	1,056.68	56.33
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.02	
26 51 16 00-0093			<b>2' x 4', Direct-Indirect, Recessed Fluorescent Fixtures</b> (26 51 16 00-0083)		
26 51 16 00-0094	EA		2 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	864.77	65.63
			<i>For Drywall Or Plaster Ceilings, Add</i>	44.36	
26 51 16 00-0095	EA		3 T8 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	1,071.95	65.63
			<i>For Drywall Or Plaster Ceilings, Add</i>	44.36	
26 51 16 00-0096	EA		1 T5 Lamp, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	1,142.10	65.63
			<i>For Drywall Or Plaster Ceilings, Add</i>	44.36	
26 51 16 00-0097	EA		2 T5 Lamps, 2' x 4', Direct-Indirect, Recessed Fluorescent Fixture.....	1,254.29	65.63
			<i>For Drywall Or Plaster Ceilings, Add</i>	44.36	
26 51 16 00-0098			<b>Volumetric, Recessed Fluorescent Fixtures</b> (26 51 16 00-0045)		
26 51 16 00-0099			<b>1' x 4', Volumetric, Recessed Fluorescent Fixtures</b> (26 51 16 00-0098)		
26 51 16 00-0100	EA		2 T8 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture .....	760.81	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0101	EA		2 T5 Lamps, 1' x 4', Volumetric, Recessed Fluorescent Fixture .....	1,012.98	51.12
			<i>For Drywall Or Plaster Ceilings, Add</i>	34.85	
26 51 16 00-0102			<b>2' x 2', Volumetric, Recessed Fluorescent Fixtures</b> (26 51 16 00-0098)		
26 51 16 00-0103	EA		2 T8 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture .....	757.78	56.33
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.02	
26 51 16 00-0104	EA		2 T5 Lamps, 2' x 2', Volumetric, Recessed Fluorescent Fixture .....	870.53	56.33
			<i>For Drywall Or Plaster Ceilings, Add</i>	38.02	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 16 00-0105		2' x 4', Volumetric, Recessed Fluorescent Fixtures <small>(26 51 16 00-0098)</small>		
26 51 16 00-0106	EA	2 T8 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	841.54 44.36	65.63
26 51 16 00-0107	EA	2 T5 Lamps, 2' x 4', Volumetric, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	843.42 44.36	65.63
26 51 16 00-0108		Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0045)</small>		
26 51 16 00-0109		1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0108)</small>		
26 51 16 00-0110	EA	2 T8 Lamps, 1' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	704.54 34.85	51.12
26 51 16 00-0111		2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0108)</small>		
26 51 16 00-0112	EA	2 T8 Lamps, 2' x 2', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	674.19 38.02	56.33
26 51 16 00-0113		2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0108)</small>		
26 51 16 00-0114	EA	2 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	817.08 44.36	65.63
26 51 16 00-0115	EA	3 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	646.58 44.36	65.63
26 51 16 00-0116	EA	4 T8 Lamps, 2' x 4', Wet Location, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	937.96 44.36	65.63
26 51 16 00-0117		Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0045)</small>		
26 51 16 00-0118		1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0117)</small>		
26 51 16 00-0119	EA	2 T8 Lamps, 1' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	670.29 34.85	51.12
26 51 16 00-0120		2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0117)</small>		
26 51 16 00-0121	EA	2 T8 Lamps, 2' x 2', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	673.38 38.02	56.33
26 51 16 00-0122		2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixtures <small>(26 51 16 00-0117)</small>		
26 51 16 00-0123	EA	2 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	836.30 44.36	65.63
26 51 16 00-0124	EA	3 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	849.76 44.36	65.63
26 51 16 00-0125	EA	4 T8 Lamps, 2' x 4', Vandal Resistant, Lensed, Lay-In/Troffer, Recessed Fluorescent Fixture <i>For Drywall Or Plaster Ceilings, Add</i>	870.71 44.36	65.63
26 51 16 00-0126		Striplight Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0127		1 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0126)</small>		
26 51 16 00-0128	EA	1-1/2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	281.01	42.25
26 51 16 00-0129	EA	2' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	346.81	42.25
26 51 16 00-0130	EA	3' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	340.12	46.89
26 51 16 00-0131	EA	4' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	346.98	51.54
26 51 16 00-0132	EA	8' Length, 1 T8 Lamp, Striplight Fluorescent Fixture	424.14	61.04
26 51 16 00-0133		2 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0126)</small>		
26 51 16 00-0134	EA	2' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	344.85	46.89
26 51 16 00-0135	EA	3' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	354.11	51.54
26 51 16 00-0136	EA	4' Length, 2 T8 Lamps, Striplight Fluorescent Fixture	360.80	56.33
26 51 16 00-0137		3 Lamp Cross Section, Striplight Fluorescent Fixtures <small>(26 51 16 00-0126)</small>		
26 51 16 00-0138	EA	2' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	510.27	46.89
26 51 16 00-0139	EA	3' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	490.95	51.54
26 51 16 00-0140	EA	4' Length, 3 T8 Lamps, Striplight Fluorescent Fixture	497.48	56.33
26 51 16 00-0141		Industrial Fluorescent Fixtures <small>(26 51 16 00-0001)</small>		
26 51 16 00-0142		1 Lamp Cross Section, Industrial Fluorescent Fixtures <small>(26 51 16 00-0141)</small>		
26 51 16 00-0143	EA	2' Length, 1 T8 Lamp, Industrial Fluorescent Fixture	409.90	42.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0144	EA		4' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	432.15	51.54
26 51 16 00-0145	EA		8' Length, 1 T8 Lamp, Industrial Fluorescent Fixture.....	801.68	65.63
<b>26 51 16 00-0146</b>			<b>2 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0141)</b>		
26 51 16 00-0147	EA		2' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	422.78	46.89
26 51 16 00-0148	EA		4' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	445.99	56.33
26 51 16 00-0149	EA		8' Length, 2 T8 Lamps, Industrial Fluorescent Fixture.....	815.23	65.63
<b>26 51 16 00-0150</b>			<b>3 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0141)</b>		
26 51 16 00-0151	EA		2' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	439.76	46.89
26 51 16 00-0152	EA		4' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	461.11	56.33
26 51 16 00-0153	EA		8' Length, 3 T8 Lamps, Industrial Fluorescent Fixture.....	702.60	65.63
<b>26 51 16 00-0154</b>			<b>4 Lamp Cross Section, Industrial Fluorescent Fixtures (26 51 16 00-0141)</b>		
26 51 16 00-0155	EA		4' Length, 4 T8 Lamps, Industrial Fluorescent Fixture.....	638.24	56.33
26 51 16 00-0156	EA		8' Length, 4 T8 Lamps, Industrial Fluorescent Fixture.....	938.82	65.63
<b>26 51 16 00-0157</b>			<b>Undercabinet Fluorescent Fixtures (26 51 16 00-0001)</b>		
26 51 16 00-0158	EA		1 T5 Lamp, 12-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	217.76	38.02
26 51 16 00-0159	EA		1 T5 Lamp, 21-3/16" Length, Slimline Undercabinet Fluorescent Fixture.....	253.21	46.47
26 51 16 00-0160	EA		2 T5 Lamps, 24-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	248.98	46.47
26 51 16 00-0161	EA		1 T5 Lamp, 33-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	301.67	50.69
26 51 16 00-0162	EA		2 T5 Lamps, 42-7/16" Length, Slimline Undercabinet Fluorescent Fixture.....	350.68	59.15
<b>26 51 16 00-0163</b>			<b>Corner Mounted, Fluorescent Fixtures (26 51 16 00-0001)</b>		
Note: Includes acrylic drop dish diffuser.					
<b>26 51 16 00-0164</b>			<b>2' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)</b>		
26 51 16 00-0165	EA		1 T8 Lamp, 2' Length, Corner Mounted, Fluorescent Fixture.....	271.51	42.25
26 51 16 00-0166	EA		2 T8 Lamps, 2' Length, Corner Mounted, Fluorescent Fixture.....	301.65	42.25
<b>26 51 16 00-0167</b>			<b>3' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)</b>		
26 51 16 00-0168	EA		1 T8 Lamp, 3' Length, Corner Mounted, Fluorescent Fixture.....	308.87	44.36
26 51 16 00-0169	EA		2 T8 Lamps, 3' Length, Corner Mounted, Fluorescent Fixture.....	337.67	44.36
<b>26 51 16 00-0170</b>			<b>4' Length, Corner Mounted, Fluorescent Fixtures (26 51 16 00-0163)</b>		
26 51 16 00-0171	EA		1 T8 Lamp, 4' Length, Corner Mounted, Fluorescent Fixture.....	305.04	46.47
26 51 16 00-0172	EA		2 T8 Lamps, 4' Length, Corner Mounted, Fluorescent Fixture.....	334.79	46.47
<b>26 51 16 00-0173</b>			<b>Wall Bracket, Fluorescent Fixtures (26 51 16 00-0001)</b>		
<b>26 51 16 00-0174</b>			<b>Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0173)</b>		
Note: Includes extruded aluminum housing with brushed finish, acrylic diffuser and solid-state electronic ballast.					
<b>26 51 16 00-0175</b>			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)</b>		
26 51 16 00-0176	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	271.31	70.90
26 51 16 00-0177	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	276.29	70.90
<b>26 51 16 00-0178</b>			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)</b>		
26 51 16 00-0179	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	347.61	70.90
26 51 16 00-0180	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	354.56	70.90
<b>26 51 16 00-0181</b>			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia W) (26 51 16 00-0174)</b>		
26 51 16 00-0182	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	359.41	70.90
26 51 16 00-0183	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia W).....	364.39	70.90
<b>26 51 16 00-0184</b>			<b>Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0173)</b>		
Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.					
<b>26 51 16 00-0185</b>			<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)</b>		
26 51 16 00-0186	EA		1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	704.68	70.90
26 51 16 00-0187	EA		2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	709.66	70.90
<b>26 51 16 00-0188</b>			<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)</b>		
26 51 16 00-0189	EA		1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	555.17	70.90
26 51 16 00-0190	EA		2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	562.12	70.90
<b>26 51 16 00-0191</b>			<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WP) (26 51 16 00-0184)</b>		
26 51 16 00-0192	EA		1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	639.89	70.90
26 51 16 00-0193	EA		2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WP).....	644.87	70.90

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 51 16 00-0194		<b>Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0173)</small>			
		Note: Includes 20 gauge steel housing with baked finish, acrylic diffuser and solid-state electronic ballast.			
26 51 16 00-0195		<b>2' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0194)</small>			
26 51 16 00-0196	EA	1 T8 Lamp, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	260.37		70.90
26 51 16 00-0197	EA	2 T8 Lamps, 2' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	265.34		70.90
26 51 16 00-0198		<b>3' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0194)</small>			
26 51 16 00-0199	EA	1 T8 Lamp, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	262.34		70.90
26 51 16 00-0200	EA	2 T8 Lamps, 3' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	269.29		70.90
26 51 16 00-0201		<b>4' Length, Wall Bracket, Fluorescent Fixtures (Lithonia WC)</b> <small>(26 51 16 00-0194)</small>			
26 51 16 00-0202	EA	1 T8 Lamp, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	251.98		70.90
26 51 16 00-0203	EA	2 T8 Lamps, 4' Length, Wall Bracket, Fluorescent Fixture (Lithonia WC).....	256.96		70.90
26 51 16 00-0204		<b>Low Occupancy, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>			
26 51 16 00-0205	EA	1 T8 Lamp, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	305.48		51.54
26 51 16 00-0206	EA	2 T8 Lamps, 4' Length, Bi-Level Illumination, Industrial Fluorescent Fixture With Integral Occupancy Sensor (Deco SMART™ DSBL-CP).....	312.52		56.33
26 51 16 00-0207		<b>Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0001)</small>			
		Note: 16 gauge welded steel body with powder coated finish, polycarbonate lens, and tamper resistant screws.			
26 51 16 00-0208		<b>6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0207)</small>			
26 51 16 00-0209	EA	1 T8 Lamp, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	263.82		44.08
26 51 16 00-0210	EA	2 T8 Lamps, 6" x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	312.27		44.08
26 51 16 00-0211		<b>6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0207)</small>			
26 51 16 00-0212	EA	1 T8 Lamp, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	284.83		45.91
26 51 16 00-0213	EA	2 T8 Lamps, 6" x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	338.03		45.91
26 51 16 00-0214		<b>8-1/4" x 2', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0207)</small>			
26 51 16 00-0215	EA	8-1/4" x 2', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	382.12		70.90
26 51 16 00-0216	EA	8-1/4" x 2', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	399.55		70.90
26 51 16 00-0217		<b>8-1/4" x 4', Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0207)</small>			
26 51 16 00-0218	EA	8-1/4" x 4', 1 T8 Lamp, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	434.39		70.90
26 51 16 00-0219	EA	8-1/4" x 4', 2 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	449.33		70.90
26 51 16 00-0220	EA	8-1/4" x 4', 3 T8 Lamps, Vandal Proof, Surface Mounted, Wraparound Fluorescent Fixture (Lightron VPF).....	469.24		70.90
26 51 16 00-0221		<b>1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0207)</small>			
26 51 16 00-0222	EA	2 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	320.82		48.73
26 51 16 00-0223	EA	3 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	379.04		48.73
26 51 16 00-0224	EA	4 T8 Lamps, 1' x 2', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	406.68		48.73
26 51 16 00-0225		<b>1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures</b> <small>(26 51 16 00-0207)</small>			
26 51 16 00-0226	EA	2 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	345.79		51.54
26 51 16 00-0227	EA	3 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	409.19		51.54
26 51 16 00-0228	EA	4 T8 Lamps, 1' x 4', Surface Mounted, Vandal Proof, Wraparound Fluorescent Fixtures.....	439.43		51.54
26 51 16 00-0229		<b>Ceiling Mounted Fluorescent Fixtures</b> <small>(26 51 16)</small>			
26 51 16 00-0230		<b>Ceiling Mounted, Compact Fluorescent/Incandescent Fixtures</b> <small>(26 51 16 00-0229)</small>			
26 51 16 00-0231		<b>Glass Globe, Compact Fluorescent/Incandescent Fixtures</b> <small>(26 51 16 00-0230)</small>			
26 51 16 00-0232	EA	6" Diameter, Ceiling Mounted, Glass Globe, Compact Fluorescent/Incandescent Fixture.....	230.84		61.66
26 51 16 00-0233	EA	9" Diameter, Ceiling Mounted, Mushroom Style Glass Globe, Compact Fluorescent/Incandescent Fixture.....	278.16		61.66
26 51 16 00-0234		<b>Ceiling Mounted, Circline Fluorescent Fixtures</b> <small>(26 51 16 00-0229)</small>			
26 51 16 00-0235		<b>Exposed Lamps, Circline Fluorescent Fixtures</b> <small>(26 51 16 00-0234)</small>			
26 51 16 00-0236	EA	8-1/2" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	189.17		61.66
26 51 16 00-0237	EA	12" Diameter, Ceiling Mounted, Exposed Lamps, Circline Fluorescent Fixture.....	207.07		61.66
26 51 16 00-0238		<b>Low Profile Acrylic Diffuser, Circline Fluorescent Fixtures</b> <small>(26 51 16 00-0234)</small>			
26 51 16 00-0239	EA	11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	293.56		61.66
26 51 16 00-0240	EA	14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture.....	423.83		61.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0241	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	514.09	61.66
26 51 16 00-0242	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	335.76	61.66
26 51 16 00-0243	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	426.50	61.66
26 51 16 00-0244	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Circline Fluorescent Fixture .....	514.09	61.66
<b>26 51 16 00-0245</b>			<b>Ceiling Mounted, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0229)</b>		
<b>26 51 16 00-0246</b>			<b>Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixtures (26 51 16 00-0245)</b>		
26 51 16 00-0247	EA		11" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	297.99	61.66
26 51 16 00-0248	EA		14" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	392.84	61.66
26 51 16 00-0249	EA		19" Diameter, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	473.93	61.66
26 51 16 00-0250	EA		12" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	236.82	61.66
26 51 16 00-0251	EA		15" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	286.51	61.66
26 51 16 00-0252	EA		19" Square, Ceiling Mounted, Low Profile Acrylic Diffuser, Double Twin Tube Compact Fluorescent Fixture.....	380.67	61.66
<b>26 51 16 00-0253</b>			<b>Pendant Mounted, Compact Fluorescent/Incandescent Downlights (26 51 16 00-0229)</b>		
<b>26 51 16 00-0254</b>			<b>Pendant Mounted, Compact Fluorescent/Incandescent Open Reflector Downlights (26 51 16 00-0253)</b>		
26 51 16 00-0255	EA		6" Diameter, Pendant Mounted, Open Reflector Compact Fluorescent/Incandescent Downlight.....	480.37	50.65
<b>26 51 16 00-0256</b>			<b>Pendant Mounted, Compact Fluorescent/Incandescent Downlights With Baffle (26 51 16 00-0253)</b>		
26 51 16 00-0257	EA		6" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	552.40	50.65
26 51 16 00-0258	EA		8" Diameter, Pendant Mounted, Compact Fluorescent/Incandescent Downlight With Baffle.....	784.80	50.65
<b>26 51 16 00-0259</b>			<b>Fluorescent, Recessed Fixture Housings (26 51 16)</b>		
26 51 16 00-0260	EA		4" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	152.36	44.08
			For Remodel T Housing, Add .....	2.15	
			For ICAT Housing, Add .....	11.10	
26 51 16 00-0261	EA		5" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	157.05	44.08
			For Remodel T Housing, Add .....	2.27	
			For ICAT Housing, Add .....	11.71	
26 51 16 00-0262	EA		6" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	163.69	46.09
			For Remodel T Housing, Add .....	2.36	
			For ICAT Housing, Add .....	12.17	
26 51 16 00-0263	EA		7" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	171.93	47.78
			For Remodel T Housing, Add .....	2.49	
			For ICAT Housing, Add .....	12.83	
26 51 16 00-0264	EA		8" Round, Fluorescent, T Or ICT Recessed Fixture Housing .....	179.21	50.25
			For Remodel T Housing, Add .....	2.59	
			For ICAT Housing, Add .....	13.37	
26 51 16 00-0265	EA		10" To 12" Square, Fluorescent, T Or ICT Recessed Fixture Housing .....	185.97	53.34
			For Remodel T Housing, Add .....	2.65	
			For ICAT Housing, Add .....	13.65	
<b>26 51 16 00-0266</b>			<b>Compact Fluorescent, Recessed Fixture Housings (26 51 16)</b>		
26 51 16 00-0267	EA		4" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	172.53	44.08
			For Remodel T Housing, Add .....	2.66	
			For ICAT Housing, Add .....	13.71	
26 51 16 00-0268	EA		5" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	177.15	44.08
			For Remodel T Housing, Add .....	2.77	
			For ICAT Housing, Add .....	14.30	
26 51 16 00-0269	EA		6" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	183.94	46.24
			For Remodel T Housing, Add .....	2.86	
			For ICAT Housing, Add .....	14.78	
26 51 16 00-0270	EA		7" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	189.53	48.25
			For Remodel T Housing, Add .....	2.93	
			For ICAT Housing, Add .....	15.10	
26 51 16 00-0271	EA		8" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing .....	195.87	50.25
			For Remodel T Housing, Add .....	3.01	
			For ICAT Housing, Add .....	15.52	
26 51 16 00-0272	EA		10" To 12" Round, Compact Fluorescent, T Or ICT Recessed Fixture Housing.....	202.27	53.34
			For Remodel T Housing, Add .....	3.05	
			For ICAT Housing, Add .....	15.75	
<b>26 51 16 00-0273</b>			<b>Fluorescent Track Lighting Fixtures (26 51 16)</b>		
26 51 16 00-0274	EA		2L 39W BX Track Fixture, Electronic Ballast .....	317.12	25.75
			Note: White or Black Finish, 120V.		
26 51 16 00-0275	EA		2L 40W BX Track Fixture, Electronic Ballast .....	322.60	25.75
			Note: White or Black Finish, 120V.		
26 51 16 00-0276	EA		2L 50W BX Track Fixture, Electronic Ballast .....	202.80	25.75
			Note: White or Black Finish, 120V.		
26 51 16 00-0277	EA		2L, 55 Watt BX Track Fixture, Electronic Ballast .....	344.13	25.75
			Note: White or Black Finish, 120V.		
<b>26 51 16 00-0278</b>			<b>Compact Fluorescent Track Lighting Fixtures (26 51 16)</b>		
26 51 16 00-0279	EA		Compact Fluorescent Track Lighting Fixture .....	109.70	25.75

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0280			<b>Compact Fluorescent, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0281	EA		13 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	160.40	61.66
			<i>For Wall Mounted, Add</i>	6.02	
26 51 16 00-0282	EA		22 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	164.03	61.66
			<i>For Wall Mounted, Add</i>	6.02	
26 51 16 00-0283	EA		28 Watt Compact Fluorescent, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture.....	172.99	61.66
			<i>For Wall Mounted, Add</i>	6.02	
26 51 16 00-0284			<b>Wet Location, Dust Resistant, Vapor Tight, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0285			<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0284)</small>		
26 51 16 00-0286			<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia DMW)</b> <small>(26 51 16 00-0285)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51 16 00-0287	EA		1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	338.89	65.63
			<i>For T5 Fixture Instead Of T8, Add</i>	27.52	
26 51 16 00-0288	EA		2 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	354.55	65.63
			<i>For T5 Fixture Instead Of T8, Add</i>	29.31	
26 51 16 00-0289	EA		3 T8 Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	546.41	65.63
			<i>For T5 Fixture Instead Of T8, Add</i>	51.28	
26 51 16 00-0290	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	473.57	65.63
26 51 16 00-0291	EA		2 T8HO Lamps, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia DMW).....	752.79	65.63
26 51 16 00-0292			<b>4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Day-Brite V2W)</b> <small>(26 51 16 00-0285)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51 16 00-0293	EA		1 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	393.03	65.63
26 51 16 00-0294	EA		2 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	397.78	65.63
26 51 16 00-0295	EA		3 T8 Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	572.80	65.63
26 51 16 00-0296	EA		1 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	476.15	65.63
26 51 16 00-0297	EA		2 T8HO Lamp, 4' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Day-Brite V2W).....	497.04	65.63
26 51 16 00-0298			<b>8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures</b> <small>(26 51 16 00-0284)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51 16 00-0299			<b>8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixtures (Lithonia TDMW)</b> <small>(26 51 16 00-0298)</small>		
			Note: Includes high impact acrylic molded lens.		
26 51 16 00-0300	EA		2 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	631.09	89.14
			<i>For T5 Fixture Instead Of T8, Add</i>	56.94	
26 51 16 00-0301	EA		4 T8 Lamps, 8' Length, Enclosed And Gasketed, Industrial Fluorescent Fixture (Lithonia TDMW).....	655.79	89.14
			<i>For T5 Fixture Instead Of T8, Add</i>	59.77	
26 51 16 00-0302			<b>High Bay Fluorescent Fixtures</b> <small>(26 51 16)</small>		
26 51 16 00-0303			<b>(T8) Fluorescent, High Bay Fixtures</b> <small>(26 51 16 00-0302)</small>		
26 51 16 00-0304			<b>(T8) Fluorescent, High Bay Fixtures (Lithonia)</b> <small>(26 51 16 00-0303)</small>		
			Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0305	EA		2 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	561.90	143.63
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0306	EA		3 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	590.45	159.13
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0307	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	669.49	181.66
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0308	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	796.69	191.38
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0309	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB).....	865.05	200.25
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0310	EA		4 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	510.00	181.66
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	
26 51 16 00-0311	EA		6 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ).....	537.63	191.38
			<i>For Wire Guard, Add</i>	40.50	
			<i>For Polycarbonate Lens, Add</i>	47.75	
			<i>For Acrylic Lens, Add</i>	54.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 16 00-0312	EA		8 T8 Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	609.99 40.50 47.75 54.00	200.25
<b>26 51 16 00-0313</b>			<b>(T5HO) Fluorescent, High Bay Fixtures (26 51 16 00-0302)</b>		
<b>26 51 16 00-0314</b>			<b>(T5HO) Fluorescent, High Bay Fixtures (Lithonia) (26 51 16 00-0313)</b> Note: For 8' fixture, use two (2) 4' fixtures.		
26 51 16 00-0315	EA		2 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	567.81 40.50 47.75 54.00	143.63
26 51 16 00-0316	EA		3 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	596.49 40.50 47.75 54.00	159.13
26 51 16 00-0317	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	679.50 40.50 47.75 54.00	181.66
26 51 16 00-0318	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia FGB)..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	816.91 40.50 47.75 54.00	191.38
26 51 16 00-0319	EA		4 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) ..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	535.21 40.50 47.75 54.00	181.66
26 51 16 00-0320	EA		6 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) ..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	587.89 40.50 47.75 54.00	191.38
26 51 16 00-0321	EA		8 T5HO Lamps, 4' Length, Fluorescent High Bay Fixture (Lithonia IBZ) ..... <i>For Wire Guard, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Acrylic Lens, Add</i>	679.77 40.50 47.75 54.00	200.25
<b>26 51 16 00-0322</b>			<b>Fluorescent Linear High Bay (Lightron) (26 51 16 00-0302)</b> Note: Includes steel housing with powder coated finish, aluminum reflector and solid-state electronic ballast.		
26 51 16 00-0323	EA		4' Length, 2 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX) .....	440.90	70.90
26 51 16 00-0324	EA		4' Length, 3 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX) .....	525.04	70.90
26 51 16 00-0325	EA		4' Length, 4 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX) .....	590.27	70.90
26 51 16 00-0326	EA		4' Length, 6 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX) .....	697.83	70.90
26 51 16 00-0327	EA		4' Length, 8 54W T5 Lamps, Fluorescent Linear High Bay Fixture (Lightron IMX) .....	960.70	70.90
<b>26 51 19</b>			<b>LED Interior Lighting (26 51)</b>		
<b>26 51 19 00-0001</b>			<b>LED Fixtures (26 51 19)</b>		
<b>26 51 19 00-0002</b>			<b>Undercabinet LED Fixtures (26 51 19 00-0001)</b>		
26 51 19 00-0003	EA		12" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ12-M6) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	153.73 -5.43 -9.27 -15.37 -21.48	38.02
26 51 19 00-0004	EA		18" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ18-M6) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	190.09 -6.69 -11.44 -19.01 -26.58	46.47
26 51 19 00-0005	EA		24" Length, Undercabinet/Modular General Purpose LED Fixture (Lithonia RAZ24-M6) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	191.35 -6.72 -11.50 -19.14 -26.77	46.47
26 51 19 00-0006	EA		24" HIDE-A-LITE V Series LED Undercabinet Fixture (Progress Lighting P700003-028-30) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	178.98 -6.06 -10.53 -17.90 -25.26	38.02
<b>26 51 19 00-0007</b>			<b>Surface Mount Linear/Striplight LED Fixtures (26 51 19 00-0001)</b>		
<b>26 51 19 00-0008</b>			<b>Striplight LED Fixtures (Lithonia CLX) (26 51 19 00-0007)</b> Note: Standard efficiency, flat or round diffuse lens, 120-277 volt, 0-10 volt dimming, 3000K to 5000K color temperature, 80CRI		
26 51 19 00-0009	EA		2' Length, 1,500 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	232.83	42.25
26 51 19 00-0010	EA		2' Length, 2,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	238.77	42.25
26 51 19 00-0011	EA		4' Length, 3,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	276.64	51.54
26 51 19 00-0012	EA		4' Length, 4,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	282.59	51.54



**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0013	EA		4' Length, 5,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	288.55	51.54
26 51 19 00-0014	EA		4' Length, 7,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	294.49	51.54
26 51 19 00-0015	EA		4' Length, 9,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	300.44	51.54
26 51 19 00-0016	EA		8' Length, 6,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	382.91	60.97
26 51 19 00-0017	EA		8' Length, 8,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	394.80	60.97
26 51 19 00-0018	EA		8' Length, 10,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	408.19	60.97
26 51 19 00-0019	EA		8' Length, 14,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	420.08	60.97
26 51 19 00-0020	EA		8' Length, 18,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	433.47	60.97
26 51 19 00-0021	EA		8' Length, 20,000 Lumens, LED Striplight Fixture (Lithonia CLX)..... Note: With integral occupancy sensor	445.36	60.97
<b>26 51 19 00-0022 Striplight LED Fixtures (Lithonia ZL) (26 51 19 00-0007)</b>					
26 51 19 00-0023	EA		3,000 Lumens, 2' Length, LED Striplight Fixture (Lithonia ZL1)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	230.49 -7.35 -13.11 -23.05 -32.99	42.25
26 51 19 00-0024	EA		2,800 Lumens, 4' Length, LED Striplight Fixture (Lithonia ZL1)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	244.57 -8.05 -14.16 -24.46 -34.75	51.54
26 51 19 00-0025	EA		1,400 Lumens, 2' Length, Lensed LED Striplight Fixture (Lithonia ZL2)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	254.87 -7.96 -14.33 -25.49 -36.65	42.25
26 51 19 00-0026	EA		2,300 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	268.95 -8.66 -15.38 -26.90 -38.41	51.54
26 51 19 00-0027	EA		4,600 Lumens, 4' Length, Lensed LED Striplight Fixture (Lithonia ZL2)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	331.03 -10.21 -18.49 -33.10 -47.72	51.54
<b>26 51 19 00-0028 Striplight LED Fixtures (Mobern) (26 51 19 00-0007)</b>					
26 51 19 00-0029	EA		1,100 Lumens, 12 Watt, 2' Length, Chrome, LED Bracket Fixture (Mobern 7924LED12DMV30)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	237.36 -7.52 -13.45 -23.74 -34.02	42.25
<b>26 51 19 00-0030 Striplight LED Fixtures (Eaton) (26 51 19 00-0007)</b>					
26 51 19 00-0031	EA		2,301 Lumens, 18 Watt, 4' Length, LED Strip Lighting (Eaton Lighting 4SNLED-LD4-22SL-LC-UNV-L840-CD1-U)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	301.29 -9.47 -17.00 -30.13 -43.26	51.54
26 51 19 00-0032	EA		2,382 Lumens, 16 Watt, 4' Length, LED Clear Lensed Striplight (Cooper Industries 4SNLED-LD5-22SL-LC-UNV-L840-CD1-U)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	284.97 -9.06 -16.18 -28.50 -40.81	51.54
26 51 19 00-0033	EA		2,382 Lumens, 16 Watt, 4' Length, Clear Lens, LED Striplight (Cooper Industries Metalux Series 4SNLED-LD5-22SL-LC-UNV-830-CD1-U)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	301.29 -9.47 -17.00 -30.13 -43.26	51.54
<b>26 51 19 00-0034 Lay-In/Troffer LED Fixtures (26 51 19 00-0001)</b>					
<b>26 51 19 00-0035 Prismatic Lensed, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)</b>					
<b>26 51 19 00-0036 Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0035)</b>					
26 51 19 00-0037	EA		1' x 4', 4,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia TL4)..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	621.48 50.44 -17.47 -33.01 -62.15 -91.29	51.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0038	EA	2' x 2'	3,300 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL2) ..... <i>For Drywall Or Plaster Ceilings, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	349.92 38.02 -10.86 -19.61 -34.99 -50.38	56.33
26 51 19 00-0039	EA	2' x 4'	4,600 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lithonia 2TL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	630.91 56.19 -18.24 -34.01 -63.09 -92.17	65.63
<b>26 51 19 00-0040</b>			<b>Prismatic Lensed, Lay-In/Troffer LED Fixtures (Lunera) <small>(26 51 19 00-0035)</small></b>		
26 51 19 00-0041	EA	1' x 4'	3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 14G4) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	889.92 -24.18 -46.43 -88.99 -131.55	51.12
26 51 19 00-0042	EA	2' x 2'	3,200 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 22G5) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	630.96 -17.89 -33.66 -63.10 -92.53	56.33
26 51 19 00-0043	EA	2' x 4'	4,175 Lumens, Prismatic Lensed, Lay-In/Troffer LED Fixture (Lunera® 24G4) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	820.07 -22.97 -43.47 -82.01 -120.55	65.63
<b>26 51 19 00-0044</b>			<b>Prismatic Lensed, Lay-In/Troffer LED Fixtures (PlanLED) <small>(26 51 19 00-0035)</small></b>		
26 51 19 00-0045	EA	2,591 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	420.45 -12.62 -23.13 -42.05 -60.96	56.33
26 51 19 00-0046	EA	3,883 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED FTB4E)..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	463.81 -13.71 -25.30 -46.38 -67.46	56.33
26 51 19 00-0047	EA	3,700 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-40) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	396.61 -12.03 -21.94 -39.66 -57.38	56.33
26 51 19 00-0048	EA	4,200 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-45) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	396.61 -12.03 -21.94 -39.66 -57.38	56.33
26 51 19 00-0049	EA	4,600 Lumens, 2' x 2'	Prismatic Lensed, Lay-In/Troffer LED Fixture (PlanLED BL220-50) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	424.79 -12.73 -23.35 -42.48 -61.61	56.33
<b>26 51 19 00-0050</b>			<b>Volumetric, Lay-In/Troffer LED Fixtures <small>(26 51 19 00-0034)</small></b>		
<b>26 51 19 00-0051</b>			<b>Volumetric, Lay-In/Troffer LED Fixtures (Lithonia) <small>(26 51 19 00-0050)</small></b>		
26 51 19 00-0052	EA	1' x 4'	3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) ..... <i>For Drywall Or Plaster Ceilings, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	502.23 34.85 -14.49 -27.05 -50.22 -73.40	51.12
26 51 19 00-0053	EA	1' x 4'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia RTL4) ..... <i>For Drywall Or Plaster Ceilings, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	707.51 34.85 -19.62 -37.31 -70.75 -104.19	51.12
26 51 19 00-0054	EA	2' x 2'	2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	554.52 48.85 -15.98 -29.84 -55.45 -81.07	56.33
26 51 19 00-0055	EA	2' x 2'	3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	634.53 52.85 -17.98 -33.84 -63.45 -93.07	56.33

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0056	EA	2' x 2'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL2) ..... <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	698.53 -19.58 -37.04 -69.85 -102.67	56.33
26 51 19 00-0057	EA	2' x 4'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	712.62 60.28 -20.28 -38.10 -71.26 -104.43	65.63
26 51 19 00-0058	EA	2' x 4'	4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	776.62 63.48 -21.88 -41.30 -77.66 -114.03	65.63
26 51 19 00-0059	EA	2' x 4'	6,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture (Lithonia 2RTL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	840.63 66.68 -23.48 -44.50 -84.06 -123.63	65.63
26 51 19 00-0060	EA	2' x 2'	2,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	490.54 45.65 -14.38 -26.64 -49.05 -71.47	56.33
26 51 19 00-0061	EA	2' x 2'	3,300 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	570.53 49.65 -16.38 -30.64 -57.05 -83.47	56.33
26 51 19 00-0062	EA	2' x 2'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL2) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	618.52 52.05 -17.58 -33.04 -61.85 -90.67	56.33
26 51 19 00-0063	EA	2' x 4'	3,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	616.63 55.48 -17.88 -33.30 -61.66 -90.03	65.63
26 51 19 00-0064	EA	2' x 4'	4,000 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	648.62 57.08 -18.68 -34.90 -64.86 -94.83	65.63
26 51 19 00-0065	EA	2' x 4'	4,800 Lumens, Volumetric, Lay-In/Troffer LED Fixture With Acrylic Linear Prismatic Diffuser (Lithonia 2VTL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	712.62 60.28 -20.28 -38.10 -71.26 -104.43	65.63
26 51 19 00-0066	Architectural, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)				
26 51 19 00-0067	Architectural, Lay-In/Troffer LED Fixtures (Lithonia) (26 51 19 00-0066) Note: Includes 4,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.				
26 51 19 00-0068	EA	2,100 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	396.18 44.45 -12.37 -22.27 -39.62 -56.96	65.63	
26 51 19 00-0069	EA	4,300 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	459.53 47.62 -13.95 -25.44 -45.95 -66.47	65.63	
26 51 19 00-0070	EA	6,400 Lumens, 1' x 4', Architectural, Lay-In/Troffer LED Fixture (Lithonia ALL4) ..... <i>For Drywall Or Plaster Ceilings With Frame Kit, Add</i> <i>For &gt;50 To 100, Deduct</i> <i>For &gt;100 To 250, Deduct</i> <i>For &gt;250 To 500, Deduct</i> <i>For &gt;500, Deduct</i>	516.53 50.47 -15.38 -28.29 -51.65 -75.02	65.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0071			<b>Architectural, Lay-In/Troffer LED Fixtures (CREE® CR Series)</b> <small>(26 51 19 00-0066)</small> Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0072	EA		1' x 4', 2,200 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	516.73	65.63
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	171.06	
			For Surface Mount, Add	275.30	
			For >50 To 100, Deduct	-15.38	
			For >100 To 250, Deduct	-28.30	
			For >250 To 500, Deduct	-51.67	
			For >500, Deduct	-75.05	
26 51 19 00-0073	EA		1' x 4', 3,100 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	556.78	65.63
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	171.06	
			For Surface Mount, Add	275.30	
			For >50 To 100, Deduct	-16.38	
			For >100 To 250, Deduct	-30.30	
			For >250 To 500, Deduct	-55.68	
			For >500, Deduct	-81.05	
26 51 19 00-0074	EA		1' x 4', 4,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	556.78	65.63
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	171.06	
			For Surface Mount, Add	275.30	
			For >50 To 100, Deduct	-16.38	
			For >100 To 250, Deduct	-30.30	
			For >250 To 500, Deduct	-55.68	
			For >500, Deduct	-81.05	
26 51 19 00-0075	EA		1' x 4', 5,000 Lumens, Architectural, Lay-In/Troffer LED Fixture (Cree® CR14™) .....	615.91	65.63
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	171.06	
			For Surface Mount, Add	275.30	
			For >50 To 100, Deduct	-17.86	
			For >100 To 250, Deduct	-33.26	
			For >250 To 500, Deduct	-61.59	
			For >500, Deduct	-89.92	
26 51 19 00-0076	EA		2' x 2', 2,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) .....	479.98	56.33
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	149.34	
			For Surface Mount, Add	259.13	
			For >50 To 100, Deduct	-14.11	
			For >100 To 250, Deduct	-26.11	
			For >250 To 500, Deduct	-48.00	
			For >500, Deduct	-69.88	
26 51 19 00-0077	EA		2' x 2', 3,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR22™) .....	453.05	56.33
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	149.34	
			For Surface Mount, Add	259.13	
			For >50 To 100, Deduct	-13.44	
			For >100 To 250, Deduct	-24.76	
			For >250 To 500, Deduct	-45.31	
			For >500, Deduct	-65.85	
26 51 19 00-0078	EA		2' x 4', 2,200 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	538.95	65.63
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	174.87	
			For Surface Mount, Add	300.10	
			For >50 To 100, Deduct	-15.94	
			For >100 To 250, Deduct	-29.41	
			For >250 To 500, Deduct	-53.90	
			For >500, Deduct	-78.38	
26 51 19 00-0079	EA		2' x 4', 3,100 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	556.78	65.63
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	174.87	
			For Surface Mount, Add	300.10	
			For >50 To 100, Deduct	-16.38	
			For >100 To 250, Deduct	-30.30	
			For >250 To 500, Deduct	-55.68	
			For >500, Deduct	-81.05	
26 51 19 00-0080	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) .....	556.78	65.63
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	174.87	
			For Surface Mount, Add	300.10	
			For >50 To 100, Deduct	-16.38	
			For >100 To 250, Deduct	-30.30	
			For >250 To 500, Deduct	-55.68	
			For >500, Deduct	-81.05	
26 51 19 00-0081	EA		2' x 4', 4,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24 LHE™) .....	707.46	65.63
			Note: CCT 30K to 50K		
			For Expanded Size Junction Box For Through Wiring, Add	5.34	
			For Drywall Or Plaster Ceilings, Add	174.87	
			For Surface Mount, Add	300.10	
			For >50 To 100, Deduct	-20.15	
			For >100 To 250, Deduct	-37.84	
			For >250 To 500, Deduct	-70.75	
			For >500, Deduct	-103.65	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0082	EA 2' x 4', 5,000 Lumens, Architectural, 120-277 Volt, Lay-In/Troffer LED Fixture (Cree® CR24™) Note: CCT 30K to 50K For Expanded Size Junction Box For Through Wiring, Add For Drywall Or Plaster Ceilings, Add For Surface Mount, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	615.91 5.34 174.87 300.10 -17.86 -33.26 -61.59 -89.92	65.63
26 51 19 00-0083	Architectural, Lay-In/Troffer LED Fixtures (Metalux®) (26 51 19 00-0066) Note: Includes 3,000K, 3,500 or 4,000K color temperature, 120/277 voltage and code gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0084	EA 2' x 2', 2,500 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	287.43 -9.30 -16.48 -28.74 -41.00	56.33
26 51 19 00-0085	EA 2' x 4', 4,700 Lumens, Architectural, Lay-In/Troffer LED Fixture (Metalux® Accord™ 2AC) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	378.09 -11.92 -21.37 -37.81 -54.25	65.63
26 51 19 00-0086	Architectural, Lay-In/Troffer LED Fixtures (Finelite) (26 51 19 00-0066) Note: Includes 3,000K color temperature, 120/277 voltage and 20 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0087	EA 2' x 2', 4,301 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	421.04 -12.64 -23.16 -42.10 -61.04	56.33
26 51 19 00-0088	EA 2' x 4', 4,671 Lumens, Architectural, Lay-In/Troffer LED Fixture (Finelite HPR LED A 2x2) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	568.14 -16.67 -30.87 -56.81 -82.76	66.19
26 51 19 00-0089	Shadow Box Style, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)		
26 51 19 00-0090	Shadow Box Style, Lay-In/Troffer LED Fixtures (Lithonia SBSL) (26 51 19 00-0089)		
26 51 19 00-0091	EA 2' x 2', 3,300 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL2) For Drywall Or Plaster Ceilings, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	660.52 38.02 -18.63 -35.14 -66.05 -96.97	56.33
26 51 19 00-0092	EA 2' x 4', 4,600 Lumens, Shadow Box Style, Lay-In/Troffer LED Fixture (Lithonia 2SBSL4) For Drywall Or Plaster Ceilings With Frame Kit, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	898.38 69.56 -24.92 -47.38 -89.84 -132.29	65.63
26 51 19 00-0093	Panel Type, Lay-In/Troffer LED Fixtures (26 51 19 00-0034)		
26 51 19 00-0094	Panel Type, Lay-In/Troffer LED Fixtures (PlanLED Galaxy) (26 51 19 00-0093)		
26 51 19 00-0095	EA 1' x 4', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL140-34) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	457.89 -13.91 -25.36 -45.79 -66.22	65.63
26 51 19 00-0096	EA 2' x 2', 3,100 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL220-34) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	475.10 -14.34 -26.22 -47.51 -68.80	65.63
26 51 19 00-0097	EA 2' x 4', 4,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-40) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	589.13 -17.19 -31.92 -58.91 -85.91	65.63
26 51 19 00-0098	EA 2' x 4', 5,000 Lumens, Panel Type, Lay-In/Troffer LED Fixture (PlanLED Galaxy GL240-52) For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	589.13 -17.19 -31.92 -58.91 -85.91	65.63
26 51 19 00-0099	Panel Type, Lay-In/Troffer LED Fixtures (Sylvania) (26 51 19 00-0093)		
26 51 19 00-0100	EA 1' x 4', 3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/14G/WH) For Surface Mounting Kit (Sylvania SMK1T1A/14A/WH), Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500, Deduct	249.81 56.49 -8.71 -14.96 -24.98 -35.01	65.63



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0101	EA	2' x 2'	3,500 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/22G/WH).....	257.17	65.63
			<i>For &gt;50 To 100, Deduct</i>	-8.89	
			<i>For &gt;100 To 250, Deduct</i>	-15.32	
			<i>For &gt;250 To 500, Deduct</i>	-25.72	
			<i>For &gt;500, Deduct</i>	-36.11	
26 51 19 00-0102	EA	2' x 4'	3,300 Lumens, 32 Watt, LED Edge Lite Panel (Sylvania PANELF1A/032UNVD840/24G/WH).....	260.54	65.63
			<i>For Surface Mounting Kit (Sylvania SMK1T1A/24A/WH)</i>	70.62	
			<i>For &gt;50 To 100, Deduct</i>	-8.98	
			<i>For &gt;100 To 250, Deduct</i>	-15.49	
			<i>For &gt;250 To 500, Deduct</i>	-26.05	
			<i>For &gt;500, Deduct</i>	-36.62	
26 51 19 00-0103	EA	2' x 4'	3,300 Lumens, 32 Watt, 3500K CCT, LED Edge Lite Panel With Kit (Sylvania PANELF1A/032UNVD835/24G/WH_SMK1T1A/24A/WH).....	578.78	65.63
			<i>For &gt;50 To 100, Deduct</i>	-16.93	
			<i>For &gt;100 To 250, Deduct</i>	-31.40	
			<i>For &gt;250 To 500, Deduct</i>	-57.88	
			<i>For &gt;500, Deduct</i>	-84.35	
26 51 19 00-0104			<b>Surface Mount LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0105			<b>Surface Mount, Volumetric LED Fixtures (Lithonia STL)</b> (26 51 19 00-0104)		
26 51 19 00-0106	EA	2' Length	2,200 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL2).....	341.97	42.25
			<i>For &gt;50 To 100, Deduct</i>	-10.13	
			<i>For &gt;100 To 250, Deduct</i>	-18.68	
			<i>For &gt;250 To 500, Deduct</i>	-34.20	
			<i>For &gt;500, Deduct</i>	-49.71	
26 51 19 00-0107	EA	4' Length	3,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	297.54	51.54
			<i>For &gt;50 To 100, Deduct</i>	-9.37	
			<i>For &gt;100 To 250, Deduct</i>	-16.81	
			<i>For &gt;250 To 500, Deduct</i>	-29.75	
			<i>For &gt;500, Deduct</i>	-42.69	
26 51 19 00-0108	EA	4' Length	4,000 Lumens, Surface Mount, Volumetric LED Fixture (Lithonia STL4).....	349.39	51.54
			<i>For &gt;50 To 100, Deduct</i>	-10.67	
			<i>For &gt;100 To 250, Deduct</i>	-19.41	
			<i>For &gt;250 To 500, Deduct</i>	-34.94	
			<i>For &gt;500, Deduct</i>	-50.47	
26 51 19 00-0109			<b>Surface Mount, Wraparound LED Fixtures (Lithonia LBL)</b> (26 51 19 00-0104)		
26 51 19 00-0110	EA	2' Length	2,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL2).....	290.74	42.25
			<i>For &gt;50 To 100, Deduct</i>	-8.85	
			<i>For &gt;100 To 250, Deduct</i>	-16.12	
			<i>For &gt;250 To 500, Deduct</i>	-29.07	
			<i>For &gt;500, Deduct</i>	-42.03	
26 51 19 00-0111	EA	4' Length	4,000 Lumens, Surface Mount, Wraparound LED Fixture (Lithonia LBL4).....	381.02	51.54
			<i>For &gt;50 To 100, Deduct</i>	-11.46	
			<i>For &gt;100 To 250, Deduct</i>	-20.99	
			<i>For &gt;250 To 500, Deduct</i>	-38.10	
			<i>For &gt;500, Deduct</i>	-55.22	
26 51 19 00-0112			<b>Surface Mount, Shadow Box Style LED Fixtures</b> (26 51 19 00-0104)		
26 51 19 00-0113			<b>Surface Mount, Shadow Box Style LED Fixtures (Lithonia SBSLX)</b> (26 51 19 00-0112)		
26 51 19 00-0114	EA	2' x 2'	3,300 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX2).....	843.41	56.33
			<i>For &gt;50 To 100, Deduct</i>	-23.20	
			<i>For &gt;100 To 250, Deduct</i>	-44.28	
			<i>For &gt;250 To 500, Deduct</i>	-84.34	
			<i>For &gt;500, Deduct</i>	-124.40	
26 51 19 00-0115	EA	2' x 4'	4,600 Lumens, Surface Mount, Shadow Box Style LED Fixture (Lithonia 2SBSLX4).....	1,081.26	65.63
			<i>For &gt;50 To 100, Deduct</i>	-29.50	
			<i>For &gt;100 To 250, Deduct</i>	-56.53	
			<i>For &gt;250 To 500, Deduct</i>	-108.13	
			<i>For &gt;500, Deduct</i>	-159.72	
26 51 19 00-0116			<b>Surface Mount, Low Profile Fixtures</b> (26 51 19 00-0104)		
26 51 19 00-0117	EA	6" Diameter	993 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8538-90).....	123.86	38.61
			<i>For &gt;50 To 100, Deduct</i>	-5.03	
			<i>For &gt;100 To 250, Deduct</i>	-8.12	
			<i>For &gt;250 To 500, Deduct</i>	-12.39	
			<i>For &gt;500, Deduct</i>	-16.65	
26 51 19 00-0118	EA	6" Diameter	1,215 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 8569).....	103.61	38.61
			<i>For &gt;50 To 100, Deduct</i>	-4.52	
			<i>For &gt;100 To 250, Deduct</i>	-7.11	
			<i>For &gt;250 To 500, Deduct</i>	-10.36	
			<i>For &gt;500, Deduct</i>	-13.61	
26 51 19 00-0119	EA	13" Diameter	1,400 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting - 4329).....	166.37	38.61
			<i>For &gt;50 To 100, Deduct</i>	-6.09	
			<i>For &gt;100 To 250, Deduct</i>	-10.25	
			<i>For &gt;250 To 500, Deduct</i>	-16.64	
			<i>For &gt;500, Deduct</i>	-23.03	
26 51 19 00-0120	EA	15" Diameter	2,100 Lumens, Low Profile Surface Mount, LED Fixture (RP Lighting 4330).....	198.77	38.61
			<i>For &gt;50 To 100, Deduct</i>	-6.90	
			<i>For &gt;100 To 250, Deduct</i>	-11.87	
			<i>For &gt;250 To 500, Deduct</i>	-19.88	
			<i>For &gt;500, Deduct</i>	-27.89	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0121			Recessed LED Downlights (26 51 19 00-0001)		
26 51 19 00-0122			Recessed LED Downlights (26 51 19 00-0121)		
26 51 19 00-0123			Recessed LED Downlights (Lithonia) (26 51 19 00-0122) Note: Includes housing and trim.		
26 51 19 00-0124	EA		8" Diameter, 1,200 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	396.81	67.83
			For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	79.83	
			For >50 To 100, Deduct	-12.46	
			For >100 To 250, Deduct	-22.38	
			For >250 To 500, Deduct	-39.68	
			For >500, Deduct	-56.98	
26 51 19 00-0125	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lithonia DOM8 LED).....	428.48	67.83
			For Dimming Driver And Sensor Switch nLight Dimming Relay, Add	79.83	
			For >50 To 100, Deduct	-13.26	
			For >100 To 250, Deduct	-23.97	
			For >250 To 500, Deduct	-42.85	
			For >500, Deduct	-61.73	
26 51 19 00-0126			Recessed LED Downlights (Portfolio®) (26 51 19 00-0122) Note: Includes housing and trim.		
26 51 19 00-0127	EA		4" Diameter, 1,300 Lumens, Recessed LED Downlight With Open Trim (Portfolio® LD413).....	262.11	67.83
			For >50 To 100, Deduct	-9.10	
			For >100 To 250, Deduct	-15.65	
			For >250 To 500, Deduct	-26.21	
			For >500, Deduct	-36.77	
26 51 19 00-0128			Recessed LED Downlights (Gotham® EVO®) (26 51 19 00-0122) Note: Includes housing and trim.		
26 51 19 00-0129	EA		6" Diameter, 1,800 Lumens, Recessed LED Downlight With Open Trim (Gotham® EVO® ALED).....	320.69	67.83
			For >50 To 100, Deduct	-10.56	
			For >100 To 250, Deduct	-18.58	
			For >250 To 500, Deduct	-32.07	
			For >500, Deduct	-45.56	
26 51 19 00-0130	EA		6" Diameter, 1,800 Lumens, Recessed LED Shower Downlight With Non-Conductive Regressed Lens (Gotham® EVO® ALED).....	330.00	67.83
			For >50 To 100, Deduct	-10.79	
			For >100 To 250, Deduct	-19.04	
			For >250 To 500, Deduct	-33.00	
			For >500, Deduct	-46.96	
26 51 19 00-0131	EA		6" Diameter, 1,800 Lumens, Recessed LED Wallwash Downlight With Specular Reflector Trim (Gotham® EVO® DLWLED).....	368.19	67.83
			For >50 To 100, Deduct	-11.75	
			For >100 To 250, Deduct	-20.95	
			For >250 To 500, Deduct	-36.82	
			For >500, Deduct	-52.69	
26 51 19 00-0132	EA		6" Diameter, 1,800 Lumens, Decorative Recessed LED Downlight With Glass Drop Luminous Ring (Gotham® EVO® ALED).....	371.92	67.83
			For >50 To 100, Deduct	-11.84	
			For >100 To 250, Deduct	-21.14	
			For >250 To 500, Deduct	-37.19	
			For >500, Deduct	-53.24	
26 51 19 00-0133	EA		6" Diameter, 1,800 Lumens, Vandal Resistant, Recessed LED Downlight With Tempered Prismatic Lens (Gotham® EVO® VRALED).....	404.51	67.83
			For >50 To 100, Deduct	-12.66	
			For >100 To 250, Deduct	-22.77	
			For >250 To 500, Deduct	-40.45	
			For >500, Deduct	-58.13	
26 51 19 00-0134			Recessed LED Downlights (Lightolier) (26 51 19 00-0122) Note: Includes housing and trim.		
26 51 19 00-0135	EA		4" Diameter, 500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L05DL).....	637.52	67.83
			For >50 To 100, Deduct	-18.48	
			For >100 To 250, Deduct	-34.42	
			For >250 To 500, Deduct	-63.75	
			For >500, Deduct	-93.08	
26 51 19 00-0136	EA		4" Diameter, 1,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C4L10DL).....	744.95	67.83
			For >50 To 100, Deduct	-21.17	
			For >100 To 250, Deduct	-39.79	
			For >250 To 500, Deduct	-74.50	
			For >500, Deduct	-109.20	
26 51 19 00-0137	EA		6" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	798.55	67.83
			For >50 To 100, Deduct	-22.51	
			For >100 To 250, Deduct	-42.47	
			For >250 To 500, Deduct	-79.86	
			For >500, Deduct	-117.24	
26 51 19 00-0138	EA		6" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C6L1520DL).....	798.55	67.83
			For >50 To 100, Deduct	-22.51	
			For >100 To 250, Deduct	-42.47	
			For >250 To 500, Deduct	-79.86	
			For >500, Deduct	-117.24	
26 51 19 00-0139	EA		7" Diameter, 1,500 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	825.47	67.83
			For >50 To 100, Deduct	-23.18	
			For >100 To 250, Deduct	-43.82	
			For >250 To 500, Deduct	-82.55	
			For >500, Deduct	-121.28	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0140	EA		7" Diameter, 2,000 Lumens, Recessed LED Downlight With Open Trim (Lightolier C7L1520DL).....	852.40	67.83
			<i>For &gt;50 To 100, Deduct</i>	-23.85	
			<i>For &gt;100 To 250, Deduct</i>	-45.16	
			<i>For &gt;250 To 500, Deduct</i>	-85.24	
			<i>For &gt;500, Deduct</i>	-125.32	
<b>26 51 19 00-0141 Recessed LED Downlights (Cooper) (26 51 19 00-0122)</b>					
26 51 19 00-0142	EA		600 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5606827) .....	179.15	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.02	
			<i>For &gt;100 To 250, Deduct</i>	-11.50	
			<i>For &gt;250 To 500, Deduct</i>	-17.92	
			<i>For &gt;500, Deduct</i>	-24.33	
26 51 19 00-0143	EA		600 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5606830) .....	179.15	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.02	
			<i>For &gt;100 To 250, Deduct</i>	-11.50	
			<i>For &gt;250 To 500, Deduct</i>	-17.92	
			<i>For &gt;500, Deduct</i>	-24.33	
26 51 19 00-0144	EA		600 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5606835) .....	179.15	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.02	
			<i>For &gt;100 To 250, Deduct</i>	-11.50	
			<i>For &gt;250 To 500, Deduct</i>	-17.92	
			<i>For &gt;500, Deduct</i>	-24.33	
26 51 19 00-0145	EA		600 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5606840) .....	179.15	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.02	
			<i>For &gt;100 To 250, Deduct</i>	-11.50	
			<i>For &gt;250 To 500, Deduct</i>	-17.92	
			<i>For &gt;500, Deduct</i>	-24.33	
26 51 19 00-0146	EA		900 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5609827) .....	182.03	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.09	
			<i>For &gt;100 To 250, Deduct</i>	-11.65	
			<i>For &gt;250 To 500, Deduct</i>	-18.20	
			<i>For &gt;500, Deduct</i>	-24.76	
26 51 19 00-0147	EA		900 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5609830) .....	182.03	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.09	
			<i>For &gt;100 To 250, Deduct</i>	-11.65	
			<i>For &gt;250 To 500, Deduct</i>	-18.20	
			<i>For &gt;500, Deduct</i>	-24.76	
26 51 19 00-0148	EA		900 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5609835) .....	182.03	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.09	
			<i>For &gt;100 To 250, Deduct</i>	-11.65	
			<i>For &gt;250 To 500, Deduct</i>	-18.20	
			<i>For &gt;500, Deduct</i>	-24.76	
26 51 19 00-0149	EA		900 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5609840) .....	182.03	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.09	
			<i>For &gt;100 To 250, Deduct</i>	-11.65	
			<i>For &gt;250 To 500, Deduct</i>	-18.20	
			<i>For &gt;500, Deduct</i>	-24.76	
26 51 19 00-0150	EA		1,200 Lumens, 2700K CCT, LED Downlight (Cooper Halo ML5612827) .....	221.13	67.83
			<i>For &gt;50 To 100, Deduct</i>	-8.07	
			<i>For &gt;100 To 250, Deduct</i>	-13.60	
			<i>For &gt;250 To 500, Deduct</i>	-22.11	
			<i>For &gt;500, Deduct</i>	-30.63	
26 51 19 00-0151	EA		1,200 Lumens, 3000K CCT, LED Downlight (Cooper Halo ML5612830) .....	219.14	67.83
			<i>For &gt;50 To 100, Deduct</i>	-8.02	
			<i>For &gt;100 To 250, Deduct</i>	-13.50	
			<i>For &gt;250 To 500, Deduct</i>	-21.91	
			<i>For &gt;500, Deduct</i>	-30.33	
26 51 19 00-0152	EA		1,200 Lumens, 3500K CCT, LED Downlight (Cooper Halo ML5612835) .....	219.14	67.83
			<i>For &gt;50 To 100, Deduct</i>	-8.02	
			<i>For &gt;100 To 250, Deduct</i>	-13.50	
			<i>For &gt;250 To 500, Deduct</i>	-21.91	
			<i>For &gt;500, Deduct</i>	-30.33	
26 51 19 00-0153	EA		1,200 Lumens, 4000K CCT, LED Downlight (Cooper Halo ML5612840) .....	219.14	67.83
			<i>For &gt;50 To 100, Deduct</i>	-8.02	
			<i>For &gt;100 To 250, Deduct</i>	-13.50	
			<i>For &gt;250 To 500, Deduct</i>	-21.91	
			<i>For &gt;500, Deduct</i>	-30.33	
26 51 19 00-0154	EA		5" LED Trim, Polymer Dead-Front, Shallow White Baffle And Flange (Cooper Halo 591WB) .....	101.93	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.36	
			<i>For &gt;100 To 250, Deduct</i>	-5.91	
			<i>For &gt;250 To 500, Deduct</i>	-10.19	
			<i>For &gt;500, Deduct</i>	-14.48	
26 51 19 00-0155	EA		5" LED Trim, Specular Reflector And White Flange (Cooper Halo 592SC) .....	66.15	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.46	
			<i>For &gt;100 To 250, Deduct</i>	-4.12	
			<i>For &gt;250 To 500, Deduct</i>	-6.62	
			<i>For &gt;500, Deduct</i>	-9.11	
26 51 19 00-0156	EA		5" LED Trim, Haze Reflector And White Flange (Cooper Halo 592H) .....	81.55	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.89	
			<i>For &gt;250 To 500, Deduct</i>	-8.16	
			<i>For &gt;500, Deduct</i>	-11.42	
26 51 19 00-0157	EA		5" LED Trim, White Reflector And Flange (Cooper Halo 592W) .....	69.25	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.54	
			<i>For &gt;100 To 250, Deduct</i>	-4.27	
			<i>For &gt;250 To 500, Deduct</i>	-6.93	
			<i>For &gt;500, Deduct</i>	-9.58	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0158	EA		5" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 593WB) .....	56.66	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.23	
			<i>For &gt;100 To 250, Deduct</i>	-3.64	
			<i>For &gt;250 To 500, Deduct</i>	-5.67	
			<i>For &gt;500, Deduct</i>	-7.69	
26 51 19 00-0159	EA		5" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 593BB).....	68.70	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.53	
			<i>For &gt;100 To 250, Deduct</i>	-4.24	
			<i>For &gt;250 To 500, Deduct</i>	-6.87	
			<i>For &gt;500, Deduct</i>	-9.50	
26 51 19 00-0160	EA		5" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 593SNB) .....	76.02	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.71	
			<i>For &gt;100 To 250, Deduct</i>	-4.61	
			<i>For &gt;250 To 500, Deduct</i>	-7.60	
			<i>For &gt;500, Deduct</i>	-10.59	
26 51 19 00-0161	EA		5" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 593TBZB) .....	82.55	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.87	
			<i>For &gt;100 To 250, Deduct</i>	-4.94	
			<i>For &gt;250 To 500, Deduct</i>	-8.26	
			<i>For &gt;500, Deduct</i>	-11.57	
26 51 19 00-0162	EA		5" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 594WB).....	95.29	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.19	
			<i>For &gt;100 To 250, Deduct</i>	-5.57	
			<i>For &gt;250 To 500, Deduct</i>	-9.53	
			<i>For &gt;500, Deduct</i>	-13.48	
26 51 19 00-0163	EA		5" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 594SNB) .....	95.70	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.20	
			<i>For &gt;100 To 250, Deduct</i>	-5.59	
			<i>For &gt;250 To 500, Deduct</i>	-9.57	
			<i>For &gt;500, Deduct</i>	-13.55	
26 51 19 00-0164	EA		5" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 594TBZB) .....	93.87	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.16	
			<i>For &gt;100 To 250, Deduct</i>	-5.50	
			<i>For &gt;250 To 500, Deduct</i>	-9.39	
			<i>For &gt;500, Deduct</i>	-13.27	
26 51 19 00-0165	EA		5" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 595WW).....	114.79	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.68	
			<i>For &gt;100 To 250, Deduct</i>	-6.55	
			<i>For &gt;250 To 500, Deduct</i>	-11.48	
			<i>For &gt;500, Deduct</i>	-16.41	
26 51 19 00-0166	EA		5" LED Trim, White Shallow Baffle And Flange (Cooper Halo 596WB) .....	57.11	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.24	
			<i>For &gt;100 To 250, Deduct</i>	-3.66	
			<i>For &gt;250 To 500, Deduct</i>	-5.71	
			<i>For &gt;500, Deduct</i>	-7.76	
26 51 19 00-0167	EA		6" LED Trim, Polymer Dead-Front, White Shallow Baffle And Flange (Cooper Halo 691WB).....	98.87	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.28	
			<i>For &gt;100 To 250, Deduct</i>	-5.75	
			<i>For &gt;250 To 500, Deduct</i>	-9.89	
			<i>For &gt;500, Deduct</i>	-14.02	
26 51 19 00-0168	EA		6" LED Trim, Specular Reflector And White Flange (Cooper Halo 692SC) .....	84.79	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.93	
			<i>For &gt;100 To 250, Deduct</i>	-5.05	
			<i>For &gt;250 To 500, Deduct</i>	-8.48	
			<i>For &gt;500, Deduct</i>	-11.91	
26 51 19 00-0169	EA		6" LED Trim, Haze Reflector And White Flange (Cooper Halo 692H) .....	79.85	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.81	
			<i>For &gt;100 To 250, Deduct</i>	-4.80	
			<i>For &gt;250 To 500, Deduct</i>	-7.99	
			<i>For &gt;500, Deduct</i>	-11.17	
26 51 19 00-0170	EA		6" LED Trim, White Reflector And Flange (Cooper Halo 692W).....	71.70	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.60	
			<i>For &gt;100 To 250, Deduct</i>	-4.39	
			<i>For &gt;250 To 500, Deduct</i>	-7.17	
			<i>For &gt;500, Deduct</i>	-9.95	
26 51 19 00-0171	EA		6" LED Trim, White Micro-Step Baffle And Flange (Cooper Halo 693WB) .....	72.29	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.62	
			<i>For &gt;100 To 250, Deduct</i>	-4.42	
			<i>For &gt;250 To 500, Deduct</i>	-7.23	
			<i>For &gt;500, Deduct</i>	-10.03	
26 51 19 00-0172	EA		6" LED Trim, Black Micro-Step Baffle And White Flange (Cooper Halo 693BB).....	77.52	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.75	
			<i>For &gt;100 To 250, Deduct</i>	-4.69	
			<i>For &gt;250 To 500, Deduct</i>	-7.75	
			<i>For &gt;500, Deduct</i>	-10.82	
26 51 19 00-0173	EA		6" LED Trim, Satin Nickel Micro-Step Baffle And Flange (Cooper Halo 693SNB).....	71.38	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.59	
			<i>For &gt;100 To 250, Deduct</i>	-4.38	
			<i>For &gt;250 To 500, Deduct</i>	-7.14	
			<i>For &gt;500, Deduct</i>	-9.90	
26 51 19 00-0174	EA		6" LED Trim, Tuscan Bronze Micro-Step Baffle And Flange (Cooper Halo 693TBZB) .....	88.05	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.01	
			<i>For &gt;100 To 250, Deduct</i>	-5.21	
			<i>For &gt;250 To 500, Deduct</i>	-8.81	
			<i>For &gt;500, Deduct</i>	-12.40	
26 51 19 00-0175	EA		6" LED Directional Trim, White eyeball, Baffle And Flange (Cooper Halo 694WB).....	95.08	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.19	
			<i>For &gt;100 To 250, Deduct</i>	-5.56	
			<i>For &gt;250 To 500, Deduct</i>	-9.51	
			<i>For &gt;500, Deduct</i>	-13.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0176	EA		6" LED Directional Trim, Satin Nickel eyeball, Baffle And Flange (Cooper Halo 694SNB) .....	118.45	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.77	
			<i>For &gt;100 To 250, Deduct</i>	-6.73	
			<i>For &gt;250 To 500, Deduct</i>	-11.85	
			<i>For &gt;500, Deduct</i>	-16.96	
26 51 19 00-0177	EA		6" LED Directional Trim, Tuscan Bronze eyeball, Baffle And Flange (Cooper Halo 694TBZB) .....	115.52	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.70	
			<i>For &gt;100 To 250, Deduct</i>	-6.59	
			<i>For &gt;250 To 500, Deduct</i>	-11.55	
			<i>For &gt;500, Deduct</i>	-16.52	
26 51 19 00-0178	EA		6" LED Trim, Wall Wash - Specular reflector, repositionable Specular kick reflector, White Flange (Cooper Halo 695WW) .....	116.81	21.58
			<i>For &gt;50 To 100, Deduct</i>	-3.73	
			<i>For &gt;100 To 250, Deduct</i>	-6.65	
			<i>For &gt;250 To 500, Deduct</i>	-11.68	
			<i>For &gt;500, Deduct</i>	-16.71	
26 51 19 00-0179	EA		6" LED Trim, White Shallow Baffle And Flange (Cooper Halo 696WB) .....	73.00	21.58
			<i>For &gt;50 To 100, Deduct</i>	-2.63	
			<i>For &gt;100 To 250, Deduct</i>	-4.46	
			<i>For &gt;250 To 500, Deduct</i>	-7.30	
			<i>For &gt;500, Deduct</i>	-10.14	
26 51 19 00-0180	EA		6" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H750ICAT) .....	75.64	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.63	
			<i>For &gt;100 To 250, Deduct</i>	-5.52	
			<i>For &gt;250 To 500, Deduct</i>	-7.56	
			<i>For &gt;500, Deduct</i>	-9.61	
26 51 19 00-0181	EA		6" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H750RICAT) .....	81.37	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.77	
			<i>For &gt;100 To 250, Deduct</i>	-5.80	
			<i>For &gt;250 To 500, Deduct</i>	-8.14	
			<i>For &gt;500, Deduct</i>	-10.47	
26 51 19 00-0182	EA		6" LED, Non-IC, Air-Tite, New Construction Housing (Cooper Halo H750T) .....	79.08	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.71	
			<i>For &gt;100 To 250, Deduct</i>	-5.69	
			<i>For &gt;250 To 500, Deduct</i>	-7.91	
			<i>For &gt;500, Deduct</i>	-10.13	
26 51 19 00-0183	EA		6" LED, Non-IC, New Construction/Remodel Chicago Plenum Housing (Cooper Halo H750TCP) .....	101.63	46.24
			<i>For &gt;50 To 100, Deduct</i>	-4.27	
			<i>For &gt;100 To 250, Deduct</i>	-6.82	
			<i>For &gt;250 To 500, Deduct</i>	-10.16	
			<i>For &gt;500, Deduct</i>	-13.51	
26 51 19 00-0184	EA		6" LED, Shallow, Insulated Ceiling, Air-Tite, New Constr. (Cooper Halo H2750ICAT) .....	98.98	46.24
			<i>For &gt;50 To 100, Deduct</i>	-4.21	
			<i>For &gt;100 To 250, Deduct</i>	-6.68	
			<i>For &gt;250 To 500, Deduct</i>	-9.90	
			<i>For &gt;500, Deduct</i>	-13.11	
26 51 19 00-0185	EA		6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H7ICAT) .....	82.15	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.79	
			<i>For &gt;100 To 250, Deduct</i>	-5.84	
			<i>For &gt;250 To 500, Deduct</i>	-8.22	
			<i>For &gt;500, Deduct</i>	-10.59	
26 51 19 00-0186	EA		6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H7RICAT) .....	86.00	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.88	
			<i>For &gt;100 To 250, Deduct</i>	-6.03	
			<i>For &gt;250 To 500, Deduct</i>	-8.60	
			<i>For &gt;500, Deduct</i>	-11.17	
26 51 19 00-0187	EA		6" Insulated Ceiling, New Construction Housing (Cooper Halo H7ICT) .....	81.34	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.77	
			<i>For &gt;100 To 250, Deduct</i>	-5.80	
			<i>For &gt;250 To 500, Deduct</i>	-8.13	
			<i>For &gt;500, Deduct</i>	-10.47	
26 51 19 00-0188	EA		6" Insulated Ceiling, Remodel Housing (Cooper Halo H7RICT) .....	85.56	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.87	
			<i>For &gt;100 To 250, Deduct</i>	-6.01	
			<i>For &gt;250 To 500, Deduct</i>	-8.56	
			<i>For &gt;500, Deduct</i>	-11.10	
26 51 19 00-0189	EA		6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo H7ICATNB) .....	82.04	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.79	
			<i>For &gt;100 To 250, Deduct</i>	-5.84	
			<i>For &gt;250 To 500, Deduct</i>	-8.20	
			<i>For &gt;500, Deduct</i>	-10.57	
26 51 19 00-0190	EA		6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo H7ICTNB) .....	81.65	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.78	
			<i>For &gt;100 To 250, Deduct</i>	-5.82	
			<i>For &gt;250 To 500, Deduct</i>	-8.17	
			<i>For &gt;500, Deduct</i>	-10.51	
26 51 19 00-0191	EA		6" Non-IC, New Construction Housing (Cooper Halo H7T) .....	84.69	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.85	
			<i>For &gt;100 To 250, Deduct</i>	-5.97	
			<i>For &gt;250 To 500, Deduct</i>	-8.47	
			<i>For &gt;500, Deduct</i>	-10.97	
26 51 19 00-0192	EA		6" Non-IC, Remodel Housing (Cooper Halo H7RT) .....	86.35	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.89	
			<i>For &gt;100 To 250, Deduct</i>	-6.05	
			<i>For &gt;250 To 500, Deduct</i>	-8.64	
			<i>For &gt;500, Deduct</i>	-11.22	
26 51 19 00-0193	EA		6" Non-IC, New Construction Housing, No Socket Bracket (Cooper Halo H7TNB) .....	86.87	46.24
			<i>For &gt;50 To 100, Deduct</i>	-3.91	
			<i>For &gt;100 To 250, Deduct</i>	-6.08	
			<i>For &gt;250 To 500, Deduct</i>	-8.69	
			<i>For &gt;500, Deduct</i>	-11.30	



**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0194	EA 6" Non-IC, Chicago Plenum, New Construction/Remodel Housing (Cooper Halo H7TCP) .....	112.42	46.24
	For >50 To 100, Deduct	-4.54	
	For >100 To 250, Deduct	-7.36	
	For >250 To 500, Deduct	-11.24	
	For >500, Deduct	-15.13	
26 51 19 00-0195	EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo H7UICT).....	106.01	46.24
	For >50 To 100, Deduct	-4.38	
	For >100 To 250, Deduct	-7.03	
	For >250 To 500, Deduct	-10.60	
	For >500, Deduct	-14.17	
26 51 19 00-0196	EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo H7UICAT).....	106.75	46.24
	For >50 To 100, Deduct	-4.40	
	For >100 To 250, Deduct	-7.07	
	For >250 To 500, Deduct	-10.68	
	For >500, Deduct	-14.28	
26 51 19 00-0197	EA 6" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI700AT).....	111.04	46.24
	For >50 To 100, Deduct	-4.51	
	For >100 To 250, Deduct	-7.29	
	For >250 To 500, Deduct	-11.10	
	For >500, Deduct	-14.92	
26 51 19 00-0198	EA 6" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI700RAT).....	111.04	46.24
	For >50 To 100, Deduct	-4.51	
	For >100 To 250, Deduct	-7.29	
	For >250 To 500, Deduct	-11.10	
	For >500, Deduct	-14.92	
26 51 19 00-0199	EA 6" Insulated Ceiling, New Construction Housing (Cooper Halo EI700).....	111.04	46.24
	For >50 To 100, Deduct	-4.51	
	For >100 To 250, Deduct	-7.29	
	For >250 To 500, Deduct	-11.10	
	For >500, Deduct	-14.92	
26 51 19 00-0200	EA 6" Insulated Ceiling, Remodel Housing (Cooper Halo EI700R).....	111.04	46.24
	For >50 To 100, Deduct	-4.51	
	For >100 To 250, Deduct	-7.29	
	For >250 To 500, Deduct	-11.10	
	For >500, Deduct	-14.92	
26 51 19 00-0201	EA 6" Insulated Ceiling, Air-Tite New Construction Housing, No Socket Bracket (Cooper Halo EI700ATNB).....	111.04	46.24
	For >50 To 100, Deduct	-4.51	
	For >100 To 250, Deduct	-7.29	
	For >250 To 500, Deduct	-11.10	
	For >500, Deduct	-14.92	
26 51 19 00-0202	EA 6" Insulated Ceiling, New Construction Housing, No Socket Bracket (Cooper Halo EI700NB).....	99.82	46.24
	For >50 To 100, Deduct	-4.23	
	For >100 To 250, Deduct	-6.73	
	For >250 To 500, Deduct	-9.98	
	For >500, Deduct	-13.24	
26 51 19 00-0203	EA 6" Insulated Ceiling, Universal New Construction Housing (Cooper Halo EI700U).....	99.82	46.24
	For >50 To 100, Deduct	-4.23	
	For >100 To 250, Deduct	-6.73	
	For >250 To 500, Deduct	-9.98	
	For >500, Deduct	-13.24	
26 51 19 00-0204	EA 6" Insulated Ceiling, Universal, Air-Tite, New Construction Housing (Cooper Halo EI700UAT).....	99.82	46.24
	For >50 To 100, Deduct	-4.23	
	For >100 To 250, Deduct	-6.73	
	For >250 To 500, Deduct	-9.98	
	For >500, Deduct	-13.24	
26 51 19 00-0205	EA 6" Non-IC, New Construction Housing (Cooper Halo ET700).....	99.82	46.24
	For >50 To 100, Deduct	-4.23	
	For >100 To 250, Deduct	-6.73	
	For >250 To 500, Deduct	-9.98	
	For >500, Deduct	-13.24	
26 51 19 00-0206	EA 6" Non-IC, Remodel Housing (Cooper Halo ET700R).....	99.82	46.24
	For >50 To 100, Deduct	-4.23	
	For >100 To 250, Deduct	-6.73	
	For >250 To 500, Deduct	-9.98	
	For >500, Deduct	-13.24	
26 51 19 00-0207	EA 6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H27ICAT).....	100.64	46.24
	For >50 To 100, Deduct	-4.25	
	For >100 To 250, Deduct	-6.77	
	For >250 To 500, Deduct	-10.06	
	For >500, Deduct	-13.36	
26 51 19 00-0208	EA 6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H27RICAT).....	113.24	46.24
	For >50 To 100, Deduct	-4.57	
	For >100 To 250, Deduct	-7.40	
	For >250 To 500, Deduct	-11.32	
	For >500, Deduct	-15.25	
26 51 19 00-0209	EA 6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo H27ICT).....	100.64	46.24
	For >50 To 100, Deduct	-4.25	
	For >100 To 250, Deduct	-6.77	
	For >250 To 500, Deduct	-10.06	
	For >500, Deduct	-13.36	
26 51 19 00-0210	EA 6" Shallow, Insulated Ceiling, Remodel Housing (Cooper Halo H27RICT).....	109.68	46.24
	For >50 To 100, Deduct	-4.48	
	For >100 To 250, Deduct	-7.22	
	For >250 To 500, Deduct	-10.97	
	For >500, Deduct	-14.72	
26 51 19 00-0211	EA 6" Shallow, Non-IC, New Construction Housing (Cooper Halo H27T).....	95.54	46.24
	For >50 To 100, Deduct	-4.12	
	For >100 To 250, Deduct	-6.51	
	For >250 To 500, Deduct	-9.55	
	For >500, Deduct	-12.60	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0212	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo H27RT) .....	96.78	46.24
		For >50 To 100, Deduct	-4.15	
		For >100 To 250, Deduct	-6.57	
		For >250 To 500, Deduct	-9.68	
		For >500, Deduct	-12.78	
26 51 19 00-0213	EA	6" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo EI2700AT) .....	105.58	46.24
		For >50 To 100, Deduct	-4.37	
		For >100 To 250, Deduct	-7.01	
		For >250 To 500, Deduct	-10.56	
		For >500, Deduct	-14.10	
26 51 19 00-0214	EA	6" Shallow, Insulated Ceiling, New Construction Housing (Cooper Halo EI2700) .....	105.58	46.24
		For >50 To 100, Deduct	-4.37	
		For >100 To 250, Deduct	-7.01	
		For >250 To 500, Deduct	-10.56	
		For >500, Deduct	-14.10	
26 51 19 00-0215	EA	6" Shallow, Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI2700R) .....	105.58	46.24
		For >50 To 100, Deduct	-4.37	
		For >100 To 250, Deduct	-7.01	
		For >250 To 500, Deduct	-10.56	
		For >500, Deduct	-14.10	
26 51 19 00-0216	EA	6" Shallow, Non-IC, New Construction Housing (Cooper Halo ET2700) .....	105.58	46.24
		For >50 To 100, Deduct	-4.37	
		For >100 To 250, Deduct	-7.01	
		For >250 To 500, Deduct	-10.56	
		For >500, Deduct	-14.10	
26 51 19 00-0217	EA	6" Shallow, Non-IC, Remodel Housing (Cooper Halo ET2700R) .....	105.58	46.24
		For >50 To 100, Deduct	-4.37	
		For >100 To 250, Deduct	-7.01	
		For >250 To 500, Deduct	-10.56	
		For >500, Deduct	-14.10	
26 51 19 00-0218	EA	6" Retrofit Enclosure, Non-IC, BX Whip (Cooper Halo ML7BXRFK) .....	82.29	21.58
		For >50 To 100, Deduct	-2.87	
		For >100 To 250, Deduct	-4.92	
		For >250 To 500, Deduct	-8.23	
		For >500, Deduct	-11.53	
26 51 19 00-0219	EA	6" Retrofit Enclosure, Non-IC, E26 Screw base Interface (Cooper Halo ML7E26RFK) .....	84.85	21.58
		For >50 To 100, Deduct	-2.93	
		For >100 To 250, Deduct	-5.05	
		For >250 To 500, Deduct	-8.49	
		For >500, Deduct	-11.92	
26 51 19 00-0220	EA	5" LED, Insulated Ceiling, Air-Tite, New Construction Housing (Cooper Halo H550ICAT) .....	89.97	46.24
		For >50 To 100, Deduct	-3.98	
		For >100 To 250, Deduct	-6.23	
		For >250 To 500, Deduct	-9.00	
		For >500, Deduct	-11.76	
26 51 19 00-0221	EA	5" LED, Insulated Ceiling, Air-Tite, Remodel Housing (Cooper Halo H550RICAT) .....	90.28	46.24
		For >50 To 100, Deduct	-3.99	
		For >100 To 250, Deduct	-6.25	
		For >250 To 500, Deduct	-9.03	
		For >500, Deduct	-11.81	
26 51 19 00-0222	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo H5ICAT) .....	84.96	46.24
		For >50 To 100, Deduct	-3.86	
		For >100 To 250, Deduct	-5.98	
		For >250 To 500, Deduct	-8.50	
		For >500, Deduct	-11.01	
26 51 19 00-0223	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo H5RICAT) .....	87.57	46.24
		For >50 To 100, Deduct	-3.92	
		For >100 To 250, Deduct	-6.11	
		For >250 To 500, Deduct	-8.76	
		For >500, Deduct	-11.40	
26 51 19 00-0224	EA	5" Non-IC, New Construction Housing (Cooper Halo H5T) .....	86.72	46.24
		For >50 To 100, Deduct	-3.90	
		For >100 To 250, Deduct	-6.07	
		For >250 To 500, Deduct	-8.67	
		For >500, Deduct	-11.27	
26 51 19 00-0225	EA	5" Non-IC, Remodel Housing (Cooper Halo H5RT) .....	87.51	46.24
		For >50 To 100, Deduct	-3.92	
		For >100 To 250, Deduct	-6.11	
		For >250 To 500, Deduct	-8.75	
		For >500, Deduct	-11.39	
26 51 19 00-0226	EA	5" Insulated Ceiling, Air-Tite New Construction Housing (Cooper Halo EI500AT) .....	98.71	46.24
		For >50 To 100, Deduct	-4.20	
		For >100 To 250, Deduct	-6.67	
		For >250 To 500, Deduct	-9.87	
		For >500, Deduct	-13.07	
26 51 19 00-0227	EA	5" Insulated Ceiling, Air-Tite Remodel Housing (Cooper Halo EI500RAT) .....	99.31	46.24
		For >50 To 100, Deduct	-4.22	
		For >100 To 250, Deduct	-6.70	
		For >250 To 500, Deduct	-9.93	
		For >500, Deduct	-13.16	
26 51 19 00-0228	EA	5" Non-IC, New Construction Housing (Cooper Halo ET500) .....	102.32	46.24
		For >50 To 100, Deduct	-4.29	
		For >100 To 250, Deduct	-6.85	
		For >250 To 500, Deduct	-10.23	
		For >500, Deduct	-13.61	
26 51 19 00-0229	EA	5" Non-IC, Remodel Housing (Cooper Halo ET500R) .....	104.43	46.24
		For >50 To 100, Deduct	-4.34	
		For >100 To 250, Deduct	-6.96	
		For >250 To 500, Deduct	-10.44	
		For >500, Deduct	-13.93	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0230	EA		5" Shallow, Insulated Ceiling, Air-Tite New Construction (Cooper Halo H25ICAT).....	113.70	46.24
			<i>For &gt;50 To 100, Deduct</i>	-4.58	
			<i>For &gt;100 To 250, Deduct</i>	-7.42	
			<i>For &gt;250 To 500, Deduct</i>	-11.37	
			<i>For &gt;500, Deduct</i>	-15.32	
<b>26 51 19 00-0231</b>			<b>Recessed LED Downlights (Maxlite DLR)</b> <small>(26 51 19 00-0122)</small>		
26 51 19 00-0232	EA		4" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR410).....	199.36	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.53	
			<i>For &gt;100 To 250, Deduct</i>	-12.51	
			<i>For &gt;250 To 500, Deduct</i>	-19.94	
			<i>For &gt;500, Deduct</i>	-27.36	
26 51 19 00-0233	EA		4" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR415).....	201.86	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.59	
			<i>For &gt;100 To 250, Deduct</i>	-12.64	
			<i>For &gt;250 To 500, Deduct</i>	-20.19	
			<i>For &gt;500, Deduct</i>	-27.74	
26 51 19 00-0234	EA		4" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR420).....	209.38	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.78	
			<i>For &gt;100 To 250, Deduct</i>	-13.01	
			<i>For &gt;250 To 500, Deduct</i>	-20.94	
			<i>For &gt;500, Deduct</i>	-28.86	
26 51 19 00-0235	EA		6" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR615).....	194.34	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.40	
			<i>For &gt;100 To 250, Deduct</i>	-12.26	
			<i>For &gt;250 To 500, Deduct</i>	-19.43	
			<i>For &gt;500, Deduct</i>	-26.61	
26 51 19 00-0236	EA		6" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR620).....	194.34	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.40	
			<i>For &gt;100 To 250, Deduct</i>	-12.26	
			<i>For &gt;250 To 500, Deduct</i>	-19.43	
			<i>For &gt;500, Deduct</i>	-26.61	
26 51 19 00-0237	EA		6" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR630).....	194.34	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.40	
			<i>For &gt;100 To 250, Deduct</i>	-12.26	
			<i>For &gt;250 To 500, Deduct</i>	-19.43	
			<i>For &gt;500, Deduct</i>	-26.61	
26 51 19 00-0238	EA		8" Diameter, 1,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR810).....	209.38	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.78	
			<i>For &gt;100 To 250, Deduct</i>	-13.01	
			<i>For &gt;250 To 500, Deduct</i>	-20.94	
			<i>For &gt;500, Deduct</i>	-28.86	
26 51 19 00-0239	EA		8" Diameter, 1,500 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR815).....	211.87	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.84	
			<i>For &gt;100 To 250, Deduct</i>	-13.14	
			<i>For &gt;250 To 500, Deduct</i>	-21.19	
			<i>For &gt;500, Deduct</i>	-29.24	
26 51 19 00-0240	EA		8" Diameter, 2,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR820).....	216.87	67.83
			<i>For &gt;50 To 100, Deduct</i>	-7.97	
			<i>For &gt;100 To 250, Deduct</i>	-13.39	
			<i>For &gt;250 To 500, Deduct</i>	-21.69	
			<i>For &gt;500, Deduct</i>	-29.99	
26 51 19 00-0241	EA		8" Diameter, 3,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR830).....	231.89	67.83
			<i>For &gt;50 To 100, Deduct</i>	-8.34	
			<i>For &gt;100 To 250, Deduct</i>	-14.14	
			<i>For &gt;250 To 500, Deduct</i>	-23.19	
			<i>For &gt;500, Deduct</i>	-32.24	
26 51 19 00-0242	EA		8" Diameter, 5,000 Lumens, Recessed LED Downlight Retrofit (MaxLite DLR850).....	251.92	67.83
			<i>For &gt;50 To 100, Deduct</i>	-8.84	
			<i>For &gt;100 To 250, Deduct</i>	-15.14	
			<i>For &gt;250 To 500, Deduct</i>	-25.19	
			<i>For &gt;500, Deduct</i>	-35.24	
<b>26 51 19 00-0243</b>			<b>Recessed LED Downlight Retrofits And Trim (CREE®)</b> <small>(26 51 19 00-0121)</small>		
<b>26 51 19 00-0244</b>			<b>Recessed LED Downlight Retrofits (CREE®)</b> <small>(26 51 19 00-0243)</small>		
			Note: Dimmable to 5%. For installation in standard recessed IC or non-IC housings. Includes removal of existing lamp from fixture. Excludes housing and disposal of hazardous lamps.		
26 51 19 00-0245	EA		4" Diameter, 575 Lumens, Recessed LED Downlight Retrofit (Cree® CR4-575L).....	121.57	
			<i>For &gt;50 To 100, Deduct</i>	-4.00	
			<i>For &gt;100 To 250, Deduct</i>	-7.04	
			<i>For &gt;250 To 500, Deduct</i>	-12.16	
			<i>For &gt;500, Deduct</i>	-17.27	
26 51 19 00-0246	EA		6" Diameter, 625 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-625L).....	108.10	
			<i>For &gt;50 To 100, Deduct</i>	-3.67	
			<i>For &gt;100 To 250, Deduct</i>	-6.37	
			<i>For &gt;250 To 500, Deduct</i>	-10.81	
			<i>For &gt;500, Deduct</i>	-15.25	
26 51 19 00-0247	EA		6" Diameter, 800 Lumens, Recessed LED Downlight Retrofit (Cree® CR6-800L).....	135.03	
			<i>For &gt;50 To 100, Deduct</i>	-4.34	
			<i>For &gt;100 To 250, Deduct</i>	-7.72	
			<i>For &gt;250 To 500, Deduct</i>	-13.50	
			<i>For &gt;500, Deduct</i>	-19.29	
26 51 19 00-0248	EA		6" Diameter, 650 Lumens, Recessed LED Downlight Retrofit (Cree® LR6C-277).....	150.73	
			<i>For &gt;50 To 100, Deduct</i>	-4.73	
			<i>For &gt;100 To 250, Deduct</i>	-8.50	
			<i>For &gt;250 To 500, Deduct</i>	-15.07	
			<i>For &gt;500, Deduct</i>	-21.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0249	EA		6" Diameter, 1,000 Lumens, Deep Recessed LED Downlight Retrofit (Cree® LR6-10L-XXX-120V-A-DR) .....	164.19	
			<i>For &gt;50 To 100, Deduct</i>	-5.07	
			<i>For &gt;100 To 250, Deduct</i>	-9.17	
			<i>For &gt;250 To 500, Deduct</i>	-16.42	
			<i>For &gt;500, Deduct</i>	-23.67	
<b>26 51 19 00-0250</b>			<b>Recessed LED Downlight Retrofits Trim (CREE®)</b> <small>(26 51 19 00-0243)</small>		
			Note: For installation in standard recessed IC or non-IC housings. Excludes housing and lamp.		
26 51 19 00-0251	EA		6" Diameter, Diffuse Anodized Finish Reflector For LED Downlight Retrofits (Cree® CT6AX) .....	45.55	10.79
			<i>For &gt;50 To 100, Deduct</i>	-1.72	
			<i>For &gt;100 To 250, Deduct</i>	-2.86	
			<i>For &gt;250 To 500, Deduct</i>	-4.56	
			<i>For &gt;500, Deduct</i>	-6.25	
26 51 19 00-0252	EA		6" Diameter, Diffuse Anodized Finish Reflector With Painted Flange For LED Downlight Retrofits (Cree® LT6AP).....	54.53	10.79
			<i>For &gt;50 To 100, Deduct</i>	-1.94	
			<i>For &gt;100 To 250, Deduct</i>	-3.30	
			<i>For &gt;250 To 500, Deduct</i>	-5.45	
			<i>For &gt;500, Deduct</i>	-7.60	
26 51 19 00-0253	EA		6" Diameter, Flat Black Finish Trim And Reflector For LED Downlight Retrofits (Cree® CT6BB) .....	47.80	10.79
			<i>For &gt;50 To 100, Deduct</i>	-1.77	
			<i>For &gt;100 To 250, Deduct</i>	-2.97	
			<i>For &gt;250 To 500, Deduct</i>	-4.78	
			<i>For &gt;500, Deduct</i>	-6.59	
<b>26 51 19 00-0254</b>			<b>Recessed LED Downlight Fixture Housings (CREE®)</b> <small>(26 51 19 00-0243)</small>		
			Note: Excludes lamp and trim.		
26 51 19 00-0255	EA		6" Diameter, IC Rated, Architectural Recessed LED Downlight Fixture Housing (Cree® H6).....	123.22	46.24
			<i>For &gt;50 To 100, Deduct</i>	-4.61	
			<i>For &gt;100 To 250, Deduct</i>	-7.90	
			<i>For &gt;250 To 500, Deduct</i>	-12.32	
			<i>For &gt;500, Deduct</i>	-16.75	
26 51 19 00-0256	EA		6" Diameter, IC Rated, Retrofit Recessed LED Downlight Fixture Housing (Cree® RR6).....	91.79	46.24
			<i>For &gt;50 To 100, Deduct</i>	-4.03	
			<i>For &gt;100 To 250, Deduct</i>	-6.32	
			<i>For &gt;250 To 500, Deduct</i>	-9.18	
			<i>For &gt;500, Deduct</i>	-12.03	
<b>26 51 19 00-0257</b>			<b>Can Retrofit Or Surface Mount, LED Downlights</b> <small>(26 51 19 00-0121)</small>		
26 51 19 00-0258	EA		6" Diameter, 15 Watt, Can Retrofit Or Surface Mount, LED Downlight (Lighting Science® GLP6) .....	110.99	42.25
			<i>For &gt;50 To 100, Deduct</i>	-4.36	
			<i>For &gt;100 To 250, Deduct</i>	-7.13	
			<i>For &gt;250 To 500, Deduct</i>	-11.10	
			<i>For &gt;500, Deduct</i>	-15.06	
26 51 19 00-0259	EA		4" Diameter, 7 Watt, Can Retrofit, LED Downlight (Green Creative0 1-811-D) .....	92.49	42.25
			<i>For &gt;50 To 100, Deduct</i>	-3.90	
			<i>For &gt;100 To 250, Deduct</i>	-6.21	
			<i>For &gt;250 To 500, Deduct</i>	-9.25	
			<i>For &gt;500, Deduct</i>	-12.29	
26 51 19 00-0260	EA		6" Diameter, 9.5 Watt, Can Retrofit, LED Downlight (Green Creative0 1-808-D) .....	92.49	42.25
			<i>For &gt;50 To 100, Deduct</i>	-3.90	
			<i>For &gt;100 To 250, Deduct</i>	-6.21	
			<i>For &gt;250 To 500, Deduct</i>	-9.25	
			<i>For &gt;500, Deduct</i>	-12.29	
26 51 19 00-0261	EA		6" Diameter, 8.9 Watt, Can Retrofit, LED Downlight (Lithonia 6BP) .....	152.73	42.25
			<i>For Recessed IC/Non-IC Rated Housing For New Construction, Add</i>	57.21	
			<i>For &gt;50 To 100, Deduct</i>	-5.40	
			<i>For &gt;100 To 250, Deduct</i>	-9.22	
			<i>For &gt;250 To 500, Deduct</i>	-15.27	
			<i>For &gt;500, Deduct</i>	-21.33	
26 51 19 00-0262	EA		4" Diameter, 8 Watt, 600 Lumens, Retrofit LED Downlight (Sylvania LED/RT4/550/840) .....	82.18	42.25
			<i>For &gt;50 To 100, Deduct</i>	-3.64	
			<i>For &gt;100 To 250, Deduct</i>	-5.69	
			<i>For &gt;250 To 500, Deduct</i>	-8.22	
			<i>For &gt;500, Deduct</i>	-10.74	
26 51 19 00-0263	EA		5" Diameter, 10 Watt, 700 Lumens, Retrofit LED Downlight (Sylvania LED/RT5/6/625/840) .....	89.73	42.25
			<i>For &gt;50 To 100, Deduct</i>	-3.83	
			<i>For &gt;100 To 250, Deduct</i>	-6.07	
			<i>For &gt;250 To 500, Deduct</i>	-8.97	
			<i>For &gt;500, Deduct</i>	-11.88	
26 51 19 00-0264	EA		6" Diameter, 800 Lumens, 10 Watt, Retrofit LED Wallwash Downlight (Indy Lighting LRT6-08LM).....	949.24	42.25
			<i>For &gt;50 To 100, Deduct</i>	-25.32	
			<i>For &gt;100 To 250, Deduct</i>	-49.05	
			<i>For &gt;250 To 500, Deduct</i>	-94.92	
			<i>For &gt;500, Deduct</i>	-140.80	
<b>26 51 19 00-0265</b>			<b>Wall Mount LED Cylinder Downlight</b> <small>(26 51 19 00-0001)</small>		
26 51 19 00-0266	EA		9" Diameter, 2,200 Lumens, Wall Mount LED Cylinder Downlight With Semi-Specular Trim (Gotham® EVO® CLED9).....	412.53	65.63
			<i>For &gt;50 To 100, Deduct</i>	-12.78	
			<i>For &gt;100 To 250, Deduct</i>	-23.09	
			<i>For &gt;250 To 500, Deduct</i>	-41.25	
			<i>For &gt;500, Deduct</i>	-59.42	
26 51 19 00-0267			<b>Wall Sconce And Wall Wash LED Fixtures</b> <small>(26 51 19 00-0001)</small>		

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0268	<b>LED Wall Sconce Fixtures (Hudson Valley Lighting)</b> (26 51 19 00-0267)		
26 51 19 00-0269	EA 2-1/2" Diameter x 15-1/2" High, Polished Nickel, LED Wall Sconce (Hudson Valley Lighting SHAW 1200-PN) .....	555.24	61.66
	For >50 To 100, Deduct	-16.19	
	For >100 To 250, Deduct	-30.07	
	For >250 To 500, Deduct	-55.52	
	For >500, Deduct	-80.97	
26 51 19 00-0270	<b>LED Wall Sconce Fixtures (Kichler)</b> (26 51 19 00-0267)		
26 51 19 00-0271	EA 6" High x 11.75" Wide x 3.5" Deep, 900 Lumens, 15 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Kichler 10790NILED) .....	316.55	61.66
	For >50 To 100, Deduct	-10.23	
	For >100 To 250, Deduct	-18.14	
	For >250 To 500, Deduct	-31.66	
	For >500, Deduct	-45.17	
26 51 19 00-0272	<b>LED Wall Sconce Fixtures (Metalux)</b> (26 51 19 00-0267)		
26 51 19 00-0273	EA 9.875" High x 7.125" Wide x 3.5" Deep, 9 Watt, White Acrylic Diffuser, Brushed Nickel, LED Wall Sconce (Metalux AFX VNTS071009L30ENBN) .....	181.34	61.66
	For >50 To 100, Deduct	-6.85	
	For >100 To 250, Deduct	-11.38	
	For >250 To 500, Deduct	-18.13	
	For >500, Deduct	-24.89	
26 51 19 00-0274	EA 5" LED, Cape Sconce Wall Light, White (AFX CAPW050804L30ENWH) .....	170.23	61.66
	For >50 To 100, Deduct	-6.57	
	For >100 To 250, Deduct	-10.82	
	For >250 To 500, Deduct	-17.02	
	For >500, Deduct	-23.22	
26 51 19 00-0275	<b>Concealed Continuous LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0276	<b>Concealed Continuous LED Fixtures (Fraqtir™ S301)</b> (26 51 19 00-0275)		
26 51 19 00-0277	LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Driver (Fraqtir™ S301) .....	735.73	7.04
	For >50 To 100, Deduct	-18.75	
	For >100 To 250, Deduct	-37.14	
	For >250 To 500, Deduct	-73.57	
	For >500, Deduct	-110.01	
26 51 19 00-0278	LF Fixed Surface Mount, Concealed Continuous LED Fixture With Remote Dimming Driver (Fraqtir™ S301) .....	838.48	7.04
	For >50 To 100, Deduct	-21.31	
	For >100 To 250, Deduct	-42.28	
	For >250 To 500, Deduct	-83.85	
	For >500, Deduct	-125.42	
26 51 19 00-0279	<b>Low Bay LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0280	<b>LED Linear Low Bay Fixtures (PlanLED)</b> (26 51 19 00-0279)		
26 51 19 00-0281	EA 4' Length, 23 Watt, LED Linear Low Bay Fixture (PlanLED A1W4) .....	400.92	84.49
	For >50 To 100, Deduct	-13.54	
	For >100 To 250, Deduct	-23.57	
	For >250 To 500, Deduct	-40.09	
	For >500, Deduct	-56.62	
26 51 19 00-0282	EA 4' Length, 42 Watt, LED Linear Low Bay Fixture (PlanLED A2W4A) .....	535.31	84.49
	For >50 To 100, Deduct	-16.90	
	For >100 To 250, Deduct	-30.29	
	For >250 To 500, Deduct	-53.53	
	For >500, Deduct	-76.78	
26 51 19 00-0283	EA 8' Length, 84 Watt, LED Linear Low Bay Fixture (PlanLED A2W5A) .....	880.47	105.62
	For >50 To 100, Deduct	-26.41	
	For >100 To 250, Deduct	-48.42	
	For >250 To 500, Deduct	-88.05	
	For >500, Deduct	-127.67	
26 51 19 00-0284	<b>LED Low Bay Fixtures (CREE®)</b> (26 51 19 00-0279)		
26 51 19 00-0285	<b>LED Low Bay Fixtures (CREE® LS)</b> (26 51 19 00-0284)		
	Note: Includes 120/277 voltage and 22 gauge steel housing assembly. Excludes sensors.		
26 51 19 00-0286	EA 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-35K-10V) .....	363.98	84.49
	For >50 To 100, Deduct	-12.62	
	For >100 To 250, Deduct	-21.72	
	For >250 To 500, Deduct	-36.40	
	For >500, Deduct	-51.08	
26 51 19 00-0287	EA 2,500 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-25L-50K-10V) .....	386.86	84.49
	For >50 To 100, Deduct	-13.19	
	For >100 To 250, Deduct	-22.86	
	For >250 To 500, Deduct	-38.69	
	For >500, Deduct	-54.51	
26 51 19 00-0288	EA 4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-35K-10V) .....	373.51	84.49
	For >50 To 100, Deduct	-12.86	
	For >100 To 250, Deduct	-22.20	
	For >250 To 500, Deduct	-37.35	
	For >500, Deduct	-52.51	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0289	EA		4,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-40L-50K-10V) .....	396.40	84.49
			<i>For &gt;50 To 100, Deduct</i>	-13.43	
			<i>For &gt;100 To 250, Deduct</i>	-23.34	
			<i>For &gt;250 To 500, Deduct</i>	-39.64	
			<i>For &gt;500, Deduct</i>	-55.94	
26 51 19 00-0290	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-35K-10V) .....	413.57	84.49
			<i>For &gt;50 To 100, Deduct</i>	-13.86	
			<i>For &gt;100 To 250, Deduct</i>	-24.20	
			<i>For &gt;250 To 500, Deduct</i>	-41.36	
			<i>For &gt;500, Deduct</i>	-58.52	
26 51 19 00-0291	EA		5,000 Lumens, 4' Length, LED Low Bay Fixture (Cree® LS4-50L-50K-10V) .....	436.46	84.49
			<i>For &gt;50 To 100, Deduct</i>	-14.43	
			<i>For &gt;100 To 250, Deduct</i>	-25.34	
			<i>For &gt;250 To 500, Deduct</i>	-43.65	
			<i>For &gt;500, Deduct</i>	-61.95	
26 51 19 00-0292	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-35K-10V) .....	576.57	105.62
			<i>For &gt;50 To 100, Deduct</i>	-18.82	
			<i>For &gt;100 To 250, Deduct</i>	-33.23	
			<i>For &gt;250 To 500, Deduct</i>	-57.66	
			<i>For &gt;500, Deduct</i>	-82.08	
26 51 19 00-0293	EA		8,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-80L-50K-10V) .....	618.53	105.62
			<i>For &gt;50 To 100, Deduct</i>	-19.86	
			<i>For &gt;100 To 250, Deduct</i>	-35.33	
			<i>For &gt;250 To 500, Deduct</i>	-61.85	
			<i>For &gt;500, Deduct</i>	-88.38	
26 51 19 00-0294	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-35K-10V) .....	706.27	105.62
			<i>For &gt;50 To 100, Deduct</i>	-22.06	
			<i>For &gt;100 To 250, Deduct</i>	-39.71	
			<i>For &gt;250 To 500, Deduct</i>	-70.63	
			<i>For &gt;500, Deduct</i>	-101.54	
26 51 19 00-0295	EA		10,000 Lumens, 8' Length, LED Low Bay Fixture (Cree® LS8-100L-50K-10V) .....	729.15	105.62
			<i>For &gt;50 To 100, Deduct</i>	-22.63	
			<i>For &gt;100 To 250, Deduct</i>	-40.86	
			<i>For &gt;250 To 500, Deduct</i>	-72.92	
			<i>For &gt;500, Deduct</i>	-104.97	
<b>26 51 19 00-0296</b>			<b>LED Low Bay Fixtures (CREE® LN)</b> <small>(26 51 19 00-0284)</small>		
			Note: Includes 120/277 voltage and aluminum housing assembly. Excludes sensors.		
26 51 19 00-0297	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture (Cree® LN4-34L-35K-10V) .....	787.40	84.49
			<i>For &gt;50 To 100, Deduct</i>	-23.21	
			<i>For &gt;100 To 250, Deduct</i>	-42.89	
			<i>For &gt;250 To 500, Deduct</i>	-78.74	
			<i>For &gt;500, Deduct</i>	-114.59	
26 51 19 00-0298	EA		3,400 Lumens, 4' Length, LED Low Bay Fixture, Smartcast Technology (Cree® LN4-34L-35K-CMA) .....	882.77	84.49
			<i>For &gt;50 To 100, Deduct</i>	-25.59	
			<i>For &gt;100 To 250, Deduct</i>	-47.66	
			<i>For &gt;250 To 500, Deduct</i>	-88.28	
			<i>For &gt;500, Deduct</i>	-128.90	
<b>26 51 19 00-0299</b>			<b>LED Linear Low Bay Fixtures (CREE® CS)</b> <small>(26 51 19 00-0284)</small>		
			Note: Includes 3,500 or 4,000K color temperature, 120/277 voltage and lightweight polymer housing assembly. Excludes sensors.		
26 51 19 00-0300	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Cree® CS14™) .....	762.93	84.49
			<i>For &gt;50 To 100, Deduct</i>	-22.59	
			<i>For &gt;100 To 250, Deduct</i>	-41.67	
			<i>For &gt;250 To 500, Deduct</i>	-76.29	
			<i>For &gt;500, Deduct</i>	-110.92	
26 51 19 00-0301	EA		7,500 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™) .....	948.48	105.62
			<i>For &gt;50 To 100, Deduct</i>	-28.11	
			<i>For &gt;100 To 250, Deduct</i>	-51.82	
			<i>For &gt;250 To 500, Deduct</i>	-94.85	
			<i>For &gt;500, Deduct</i>	-137.87	
26 51 19 00-0302	EA		8,000 Lumens, 8' Length, LED Linear Low Bay Fixture (Cree® CS18™) .....	1,197.56	105.62
			<i>For &gt;50 To 100, Deduct</i>	-34.34	
			<i>For &gt;100 To 250, Deduct</i>	-64.28	
			<i>For &gt;250 To 500, Deduct</i>	-119.76	
			<i>For &gt;500, Deduct</i>	-175.23	
<b>26 51 19 00-0303</b>			<b>Accessories For LED Low Bay Fixtures (CREE®)</b> <small>(26 51 19 00-0284)</small>		
26 51 19 00-0304	EA		Continuous Row Through Wiring Kit For 4' Fixtures (Cree® LS4TWK) .....	72.27	23.16
			<i>For &gt;50 To 100, Deduct</i>	-2.77	
			<i>For &gt;100 To 250, Deduct</i>	-4.58	
			<i>For &gt;250 To 500, Deduct</i>	-7.23	
			<i>For &gt;500, Deduct</i>	-9.88	
26 51 19 00-0305	EA		Continuous Row Through Wiring Kit For 8' Fixtures (Cree® LS8TWK) .....	79.01	23.16
			<i>For &gt;50 To 100, Deduct</i>	-2.94	
			<i>For &gt;100 To 250, Deduct</i>	-4.92	
			<i>For &gt;250 To 500, Deduct</i>	-7.90	
			<i>For &gt;500, Deduct</i>	-10.89	
26 51 19 00-0306	EA		Top Housing Aligner For Continuous Row Installations (Cree® LS-RJ) .....	61.04	23.16
			<i>For &gt;50 To 100, Deduct</i>	-2.49	
			<i>For &gt;100 To 250, Deduct</i>	-4.02	
			<i>For &gt;250 To 500, Deduct</i>	-6.10	
			<i>For &gt;500, Deduct</i>	-8.19	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0307	EA		Reflector Joint Aligner For Continuous Row Installations (Cree® LS-RFLJ) .....	49.83	23.16
			<i>For &gt;50 To 100, Deduct</i>	-2.21	
			<i>For &gt;100 To 250, Deduct</i>	-3.46	
			<i>For &gt;250 To 500, Deduct</i>	-4.98	
			<i>For &gt;500, Deduct</i>	-6.51	
26 51 19 00-0308	EA		Solid Reflector, Pair (Cree® LS4-SR).....	150.80	23.16
			<i>For &gt;50 To 100, Deduct</i>	-4.74	
			<i>For &gt;100 To 250, Deduct</i>	-8.51	
			<i>For &gt;250 To 500, Deduct</i>	-15.08	
			<i>For &gt;500, Deduct</i>	-21.65	
26 51 19 00-0309	EA		Solid Reflector, Pair (Cree® LS8-SR).....	206.91	23.16
			<i>For &gt;50 To 100, Deduct</i>	-6.14	
			<i>For &gt;100 To 250, Deduct</i>	-11.31	
			<i>For &gt;250 To 500, Deduct</i>	-20.69	
			<i>For &gt;500, Deduct</i>	-30.07	
26 51 19 00-0310	EA		5" Cable Canopy With #18/2 SJT Cord, 48" (Cree® AC5-18/2-48-Q14B-JB).....	79.01	23.16
			<i>For &gt;50 To 100, Deduct</i>	-2.94	
			<i>For &gt;100 To 250, Deduct</i>	-4.92	
			<i>For &gt;250 To 500, Deduct</i>	-7.90	
			<i>For &gt;500, Deduct</i>	-10.89	
26 51 19 00-0311	EA		5" Cable Canopy With #18/2 SJT Cord, 72" (Cree® AC5-18/2-72-Q14B-JB).....	110.42	23.16
			<i>For &gt;50 To 100, Deduct</i>	-3.73	
			<i>For &gt;100 To 250, Deduct</i>	-6.49	
			<i>For &gt;250 To 500, Deduct</i>	-11.04	
			<i>For &gt;500, Deduct</i>	-15.60	
26 51 19 00-0312	EA		5" Cable Canopy With #18/5 SJT Cord, 48" (Cree® AC5-18/5-48-Q14B-JB).....	87.97	23.16
			<i>For &gt;50 To 100, Deduct</i>	-3.16	
			<i>For &gt;100 To 250, Deduct</i>	-5.36	
			<i>For &gt;250 To 500, Deduct</i>	-8.80	
			<i>For &gt;500, Deduct</i>	-12.23	
26 51 19 00-0313	EA		5" Cable Canopy With #18/5 SJT Cord, 72" (Cree® AC5-18/5-72-Q14B-JB).....	117.15	23.16
			<i>For &gt;50 To 100, Deduct</i>	-3.89	
			<i>For &gt;100 To 250, Deduct</i>	-6.82	
			<i>For &gt;250 To 500, Deduct</i>	-11.72	
			<i>For &gt;500, Deduct</i>	-16.61	
26 51 19 00-0314	EA		5" Cable Canopy With #18/5 SJT Cord, 96" (Cree® AC5-18/5-96-Q14B-JB).....	123.89	23.16
			<i>For &gt;50 To 100, Deduct</i>	-4.06	
			<i>For &gt;100 To 250, Deduct</i>	-7.16	
			<i>For &gt;250 To 500, Deduct</i>	-12.39	
			<i>For &gt;500, Deduct</i>	-17.62	
26 51 19 00-0315	EA		5" Cable Canopy With #12/3 SJT Cord, 48" (Cree® AC5-12/3-48-Q14B-JB).....	105.92	23.16
			<i>For &gt;50 To 100, Deduct</i>	-3.61	
			<i>For &gt;100 To 250, Deduct</i>	-6.26	
			<i>For &gt;250 To 500, Deduct</i>	-10.59	
			<i>For &gt;500, Deduct</i>	-14.92	
26 51 19 00-0316	EA		5" Cable Canopy With #12/3 SJT Cord, 72" (Cree® AC5-12/3-72-Q14B-JB).....	157.53	23.16
			<i>For &gt;50 To 100, Deduct</i>	-4.90	
			<i>For &gt;100 To 250, Deduct</i>	-8.84	
			<i>For &gt;250 To 500, Deduct</i>	-15.75	
			<i>For &gt;500, Deduct</i>	-22.66	
26 51 19 00-0317	EA		Set Of End Caps, One With Power Feed, One Without (Cree® LN-EC) .....	83.49	23.16
			<i>For &gt;50 To 100, Deduct</i>	-3.05	
			<i>For &gt;100 To 250, Deduct</i>	-5.14	
			<i>For &gt;250 To 500, Deduct</i>	-8.35	
			<i>For &gt;500, Deduct</i>	-11.56	
26 51 19 00-0318	EA		Canopy Kit With Aircraft Cable And Opening For Power Feed (Cree® LN-CK-5-AC) .....	101.44	23.16
			<i>For &gt;50 To 100, Deduct</i>	-3.50	
			<i>For &gt;100 To 250, Deduct</i>	-6.04	
			<i>For &gt;250 To 500, Deduct</i>	-10.14	
			<i>For &gt;500, Deduct</i>	-14.25	
26 51 19 00-0319	EA		Canopy Kit With Aircraft Cable No Opening For Power Feed (Cree® LN-CK-0-AC).....	79.01	23.16
			<i>For &gt;50 To 100, Deduct</i>	-2.94	
			<i>For &gt;100 To 250, Deduct</i>	-4.92	
			<i>For &gt;250 To 500, Deduct</i>	-7.90	
			<i>For &gt;500, Deduct</i>	-10.89	
26 51 19 00-0320	EA		Emergency 125W Inverter, Ceiling Installed (Cree® ELI-125W) .....	1,486.93	56.33
			<i>For &gt;50 To 100, Deduct</i>	-39.29	
			<i>For &gt;100 To 250, Deduct</i>	-76.46	
			<i>For &gt;250 To 500, Deduct</i>	-148.69	
			<i>For &gt;500, Deduct</i>	-220.93	
26 51 19 00-0321	EA		120 Volt, Emergency Relay For Use With Generator Power (Cree® EL-SR-120).....	533.26	56.33
			<i>For &gt;50 To 100, Deduct</i>	-15.44	
			<i>For &gt;100 To 250, Deduct</i>	-28.78	
			<i>For &gt;250 To 500, Deduct</i>	-53.33	
			<i>For &gt;500, Deduct</i>	-77.88	
26 51 19 00-0322			<b>LED Linear Low Bay Fixtures (Lithonia MSL)</b> <small>(26 51 19 00-0279)</small> Note: Includes 3,500K, 4,000K or 5,000K color temperature, 120/277 voltage and steel housing assembly. Excludes sensors.		
26 51 19 00-0323	EA		4,000 Lumens, 4' Length, LED Linear Low Bay Fixture (Lithonia MSL).....	1,023.60	84.49
			<i>For &gt;50 To 100, Deduct</i>	-29.11	
			<i>For &gt;100 To 250, Deduct</i>	-54.70	
			<i>For &gt;250 To 500, Deduct</i>	-102.36	
			<i>For &gt;500, Deduct</i>	-150.02	
26 51 19 00-0324			<b>High Bay LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
26 51 19 00-0325			<b>LED High Bay Fixtures (Cree)</b> <small>(26 51 19 00-0324)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**26 51 19 00-0326 LED High Bay Fixtures (CREE®) (26 51 19 00-0325)**

26 51 19 00-0327	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-10V).....	956.39	154.90
			For >50 To 100, Deduct	-31.66	
			For >100 To 250, Deduct	-55.56	
			For >250 To 500, Deduct	-95.64	
			For >500, Deduct	-135.71	
26 51 19 00-0328	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UL-ML).....	1,140.05	154.90
			For >50 To 100, Deduct	-36.25	
			For >100 To 250, Deduct	-64.75	
			For >250 To 500, Deduct	-114.01	
			For >500, Deduct	-163.26	
26 51 19 00-0329	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-10V).....	1,050.31	154.90
			For >50 To 100, Deduct	-34.00	
			For >100 To 250, Deduct	-60.26	
			For >250 To 500, Deduct	-105.03	
			For >500, Deduct	-149.80	
26 51 19 00-0330	EA		18,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-M-40K-8-UH-ML).....	1,196.16	154.90
			For >50 To 100, Deduct	-37.65	
			For >100 To 250, Deduct	-67.55	
			For >250 To 500, Deduct	-119.62	
			For >500, Deduct	-171.68	
26 51 19 00-0331	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-10V).....	988.82	154.90
			For >50 To 100, Deduct	-32.47	
			For >100 To 250, Deduct	-57.19	
			For >250 To 500, Deduct	-98.88	
			For >500, Deduct	-140.58	
26 51 19 00-0332	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UL-ML).....	1,173.71	154.90
			For >50 To 100, Deduct	-37.09	
			For >100 To 250, Deduct	-66.43	
			For >250 To 500, Deduct	-117.37	
			For >500, Deduct	-168.31	
26 51 19 00-0333	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-10V).....	1,083.96	154.90
			For >50 To 100, Deduct	-34.84	
			For >100 To 250, Deduct	-61.94	
			For >250 To 500, Deduct	-108.40	
			For >500, Deduct	-154.85	
26 51 19 00-0334	EA		24,000 Median Lumens, Universal Mount, LED High Bay Fixture (Cree® CXB-A-UV-H-40K-8-UH-ML).....	1,229.81	154.90
			For >50 To 100, Deduct	-38.49	
			For >100 To 250, Deduct	-69.24	
			For >250 To 500, Deduct	-122.98	
			For >500, Deduct	-176.73	

**26 51 19 00-0335 Accessories For LED High Bay Fixtures (CREE®) (26 51 19 00-0325)**

26 51 19 00-0336	EA		15 Amperes, 120 Volt, Straight Blade Plug For LED High Bay Fixtures (Cree® AP-515P).....	72.27	23.16
			For >50 To 100, Deduct	-2.77	
			For >100 To 250, Deduct	-4.58	
			For >250 To 500, Deduct	-7.23	
			For >500, Deduct	-9.88	
26 51 19 00-0337	EA		15 Amperes, 120 Volt, Twist Lock Plug For LED High Bay Fixtures (Cree® AP-L515P).....	72.27	23.16
			For >50 To 100, Deduct	-2.77	
			For >100 To 250, Deduct	-4.58	
			For >250 To 500, Deduct	-7.23	
			For >500, Deduct	-9.88	
26 51 19 00-0338	EA		16" Matte Spun Aluminum Reflector For LED High Bay Fixture (Cree® CXBA16N).....	94.70	23.16
			For >50 To 100, Deduct	-3.33	
			For >100 To 250, Deduct	-5.70	
			For >250 To 500, Deduct	-9.47	
			For >500, Deduct	-13.24	
26 51 19 00-0339	EA		16" Clear Acrylic Reflector For LED High Bay Fixture (Cree® CXBP16).....	139.58	23.16
			For >50 To 100, Deduct	-4.45	
			For >100 To 250, Deduct	-7.94	
			For >250 To 500, Deduct	-13.96	
			For >500, Deduct	-19.97	
26 51 19 00-0340	EA		16" White Acrylic Reflector For LED High Bay Fixture (Cree® CXBW16).....	162.03	23.16
			For >50 To 100, Deduct	-5.02	
			For >100 To 250, Deduct	-9.07	
			For >250 To 500, Deduct	-16.20	
			For >500, Deduct	-23.34	
26 51 19 00-0341	EA		16" Clear Prismatic Conical Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® CL16).....	94.70	23.16
			For >50 To 100, Deduct	-3.33	
			For >100 To 250, Deduct	-5.70	
			For >250 To 500, Deduct	-9.47	
			For >500, Deduct	-13.24	
26 51 19 00-0342	EA		16" Clear Prismatic Drop Lens For Prismatic And Acrylic Reflectors For LED High Bay Fixtures (Cree® DL16).....	96.96	23.16
			For >50 To 100, Deduct	-3.39	
			For >100 To 250, Deduct	-5.81	
			For >250 To 500, Deduct	-9.70	
			For >500, Deduct	-13.58	
26 51 19 00-0343	EA		16" Wire Guard For Aluminum Reflector For LED High Bay Fixtures (Cree® WG-A).....	72.27	23.16
			For >50 To 100, Deduct	-2.77	
			For >100 To 250, Deduct	-4.58	
			For >250 To 500, Deduct	-7.23	
			For >500, Deduct	-9.88	
26 51 19 00-0344	EA		16" Wire Guard For Prismatic And Acrylic Reflector For LED High Bay Fixtures (Cree® WG-AP).....	76.76	23.16
			For >50 To 100, Deduct	-2.88	
			For >100 To 250, Deduct	-4.80	
			For >250 To 500, Deduct	-7.68	
			For >500, Deduct	-10.55	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0345	EA		5' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-5).....	52.08	23.16
			<i>For &gt;50 To 100, Deduct</i>	-2.27	
			<i>For &gt;100 To 250, Deduct</i>	-3.57	
			<i>For &gt;250 To 500, Deduct</i>	-5.21	
			<i>For &gt;500, Deduct</i>	-6.85	
26 51 19 00-0346	EA		10' Galvanized Safety Cable For LED High Bay Fixtures (Cree® SC-10).....	54.33	23.16
			<i>For &gt;50 To 100, Deduct</i>	-2.32	
			<i>For &gt;100 To 250, Deduct</i>	-3.68	
			<i>For &gt;250 To 500, Deduct</i>	-5.43	
			<i>For &gt;500, Deduct</i>	-7.18	
26 51 19 00-0347			<b>LED High Bay Fixtures (Everlast)</b> <small>(26 51 19 00-0324)</small>		
26 51 19 00-0348			<b>LED High Bay Fixtures (Everlast EL-LED-LG)</b> <small>(26 51 19 00-0347)</small>		
26 51 19 00-0349	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	1,046.77	154.90
			<i>For &gt;50 To 100, Deduct</i>	-33.91	
			<i>For &gt;100 To 250, Deduct</i>	-60.08	
			<i>For &gt;250 To 500, Deduct</i>	-104.68	
			<i>For &gt;500, Deduct</i>	-149.27	
26 51 19 00-0350	EA		13,500 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	1,103.12	154.90
			<i>For &gt;50 To 100, Deduct</i>	-35.32	
			<i>For &gt;100 To 250, Deduct</i>	-62.90	
			<i>For &gt;250 To 500, Deduct</i>	-110.31	
			<i>For &gt;500, Deduct</i>	-157.72	
26 51 19 00-0351	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16).....	990.41	154.90
			<i>For &gt;50 To 100, Deduct</i>	-32.51	
			<i>For &gt;100 To 250, Deduct</i>	-57.27	
			<i>For &gt;250 To 500, Deduct</i>	-99.04	
			<i>For &gt;500, Deduct</i>	-140.82	
26 51 19 00-0352	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22).....	1,014.25	154.90
			<i>For &gt;50 To 100, Deduct</i>	-33.10	
			<i>For &gt;100 To 250, Deduct</i>	-58.46	
			<i>For &gt;250 To 500, Deduct</i>	-101.43	
			<i>For &gt;500, Deduct</i>	-144.39	
26 51 19 00-0353	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AC).....	1,144.30	154.90
			<i>For &gt;50 To 100, Deduct</i>	-36.35	
			<i>For &gt;100 To 250, Deduct</i>	-64.96	
			<i>For &gt;250 To 500, Deduct</i>	-114.43	
			<i>For &gt;500, Deduct</i>	-163.90	
26 51 19 00-0354	EA		17,500 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AO).....	1,241.84	154.90
			<i>For &gt;50 To 100, Deduct</i>	-38.79	
			<i>For &gt;100 To 250, Deduct</i>	-69.84	
			<i>For &gt;250 To 500, Deduct</i>	-124.18	
			<i>For &gt;500, Deduct</i>	-178.53	
26 51 19 00-0355	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL16).....	1,092.28	154.90
			<i>For &gt;50 To 100, Deduct</i>	-35.05	
			<i>For &gt;100 To 250, Deduct</i>	-62.36	
			<i>For &gt;250 To 500, Deduct</i>	-109.23	
			<i>For &gt;500, Deduct</i>	-156.10	
26 51 19 00-0356	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LG, AL22).....	1,176.82	154.90
			<i>For &gt;50 To 100, Deduct</i>	-37.17	
			<i>For &gt;100 To 250, Deduct</i>	-66.59	
			<i>For &gt;250 To 500, Deduct</i>	-117.68	
			<i>For &gt;500, Deduct</i>	-168.78	
26 51 19 00-0357	EA		34,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	1,686.18	154.90
			<i>For &gt;50 To 100, Deduct</i>	-49.90	
			<i>For &gt;100 To 250, Deduct</i>	-92.05	
			<i>For &gt;250 To 500, Deduct</i>	-168.62	
			<i>For &gt;500, Deduct</i>	-245.18	
26 51 19 00-0358	EA		43,000 Lumens, 400 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	1,837.91	154.90
			<i>For &gt;50 To 100, Deduct</i>	-53.69	
			<i>For &gt;100 To 250, Deduct</i>	-99.64	
			<i>For &gt;250 To 500, Deduct</i>	-183.79	
			<i>For &gt;500, Deduct</i>	-267.94	
26 51 19 00-0359	EA		66,000 Lumens, 600 Watt, LED High Bay Fixture (Everlast EL-LED-LG-HW, AL30).....	2,271.41	154.90
			<i>For &gt;50 To 100, Deduct</i>	-64.53	
			<i>For &gt;100 To 250, Deduct</i>	-121.32	
			<i>For &gt;250 To 500, Deduct</i>	-227.14	
			<i>For &gt;500, Deduct</i>	-332.97	
26 51 19 00-0360			<b>LED High Bay Fixtures (Everlast EL-LED-CS)</b> <small>(26 51 19 00-0347)</small>		
26 51 19 00-0361	EA		5,000 Lumens, 50 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	678.29	154.90
			<i>For &gt;50 To 100, Deduct</i>	-24.70	
			<i>For &gt;100 To 250, Deduct</i>	-41.66	
			<i>For &gt;250 To 500, Deduct</i>	-67.83	
			<i>For &gt;500, Deduct</i>	-94.00	
26 51 19 00-0362	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	970.90	154.90
			<i>For &gt;50 To 100, Deduct</i>	-32.02	
			<i>For &gt;100 To 250, Deduct</i>	-56.29	
			<i>For &gt;250 To 500, Deduct</i>	-97.09	
			<i>For &gt;500, Deduct</i>	-137.89	
26 51 19 00-0363	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-CS).....	1,100.95	154.90
			<i>For &gt;50 To 100, Deduct</i>	-35.27	
			<i>For &gt;100 To 250, Deduct</i>	-62.79	
			<i>For &gt;250 To 500, Deduct</i>	-110.10	
			<i>For &gt;500, Deduct</i>	-157.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0364	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-CS) .....	1,252.68	154.90
			<i>For &gt;50 To 100, Deduct</i>	-39.06	
			<i>For &gt;100 To 250, Deduct</i>	-70.38	
			<i>For &gt;250 To 500, Deduct</i>	-125.27	
			<i>For &gt;500, Deduct</i>	-180.16	
26 51 19 00-0365	EA		30,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-CS) .....	1,350.22	154.90
			<i>For &gt;50 To 100, Deduct</i>	-41.50	
			<i>For &gt;100 To 250, Deduct</i>	-75.26	
			<i>For &gt;250 To 500, Deduct</i>	-135.02	
			<i>For &gt;500, Deduct</i>	-194.79	
<b>26 51 19 00-0366</b>			<b>LED High Bay Fixtures (Everlast EL-LED-HB-LG) <small>(26 51 19 00-0347)</small></b>		
26 51 19 00-0367	EA		10,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) .....	873.36	154.90
			<i>For &gt;50 To 100, Deduct</i>	-29.58	
			<i>For &gt;100 To 250, Deduct</i>	-51.41	
			<i>For &gt;250 To 500, Deduct</i>	-87.34	
			<i>For &gt;500, Deduct</i>	-123.26	
26 51 19 00-0368	EA		15,000 Lumens, 150 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) .....	927.55	154.90
			<i>For &gt;50 To 100, Deduct</i>	-30.93	
			<i>For &gt;100 To 250, Deduct</i>	-54.12	
			<i>For &gt;250 To 500, Deduct</i>	-92.76	
			<i>For &gt;500, Deduct</i>	-131.39	
26 51 19 00-0369	EA		20,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-HB-LG) .....	1,003.41	154.90
			<i>For &gt;50 To 100, Deduct</i>	-32.83	
			<i>For &gt;100 To 250, Deduct</i>	-57.92	
			<i>For &gt;250 To 500, Deduct</i>	-100.34	
			<i>For &gt;500, Deduct</i>	-142.77	
<b>26 51 19 00-0370</b>			<b>LED High Bay Fixtures (Everlast EL-LED-LHB) <small>(26 51 19 00-0347)</small></b>		
26 51 19 00-0371	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) .....	886.37	154.90
			<i>For &gt;50 To 100, Deduct</i>	-29.90	
			<i>For &gt;100 To 250, Deduct</i>	-52.06	
			<i>For &gt;250 To 500, Deduct</i>	-88.64	
			<i>For &gt;500, Deduct</i>	-125.21	
26 51 19 00-0372	EA		26,000 Lumens, 200 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) .....	1,079.28	154.90
			<i>For &gt;50 To 100, Deduct</i>	-34.73	
			<i>For &gt;100 To 250, Deduct</i>	-61.71	
			<i>For &gt;250 To 500, Deduct</i>	-107.93	
			<i>For &gt;500, Deduct</i>	-154.15	
26 51 19 00-0373	EA		39,000 Lumens, 300 Watt, LED High Bay Fixture (Everlast EL-LED-LHB) .....	1,328.54	154.90
			<i>For &gt;50 To 100, Deduct</i>	-40.96	
			<i>For &gt;100 To 250, Deduct</i>	-74.17	
			<i>For &gt;250 To 500, Deduct</i>	-132.85	
			<i>For &gt;500, Deduct</i>	-191.54	
<b>26 51 19 00-0374</b>			<b>LED High Bay Fixtures (Lithonia IBG) <small>(26 51 19 00-0324)</small></b>		
26 51 19 00-0375	EA		8,000 Lumens, 48 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 8000LM SEF ACL GND MVOLT) .....	462.77	152.09
			<i>For &gt;50 To 100, Deduct</i>	-17.35	
			<i>For &gt;100 To 250, Deduct</i>	-28.92	
			<i>For &gt;250 To 500, Deduct</i>	-46.28	
			<i>For &gt;500, Deduct</i>	-63.63	
26 51 19 00-0376	EA		12,000 Lumens, 76 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 12000LM SEF ACL GND MVOLT) .....	478.20	152.09
			<i>For &gt;50 To 100, Deduct</i>	-17.74	
			<i>For &gt;100 To 250, Deduct</i>	-29.69	
			<i>For &gt;250 To 500, Deduct</i>	-47.82	
			<i>For &gt;500, Deduct</i>	-65.95	
26 51 19 00-0377	EA		15,000 Lumens, 93 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 15000LM SEF ACL GND MVOLT) .....	512.93	152.09
			<i>For &gt;50 To 100, Deduct</i>	-18.61	
			<i>For &gt;100 To 250, Deduct</i>	-31.43	
			<i>For &gt;250 To 500, Deduct</i>	-51.29	
			<i>For &gt;500, Deduct</i>	-71.16	
26 51 19 00-0378	EA		18,000 Lumens, 105 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 18000LM SEF ACL GND MVOLT) .....	567.76	152.09
			<i>For &gt;50 To 100, Deduct</i>	-19.98	
			<i>For &gt;100 To 250, Deduct</i>	-34.17	
			<i>For &gt;250 To 500, Deduct</i>	-56.78	
			<i>For &gt;500, Deduct</i>	-79.38	
26 51 19 00-0379	EA		24,000 Lumens, 144 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 24000LM SEF ACL GND MVOLT) .....	612.41	152.09
			<i>For &gt;50 To 100, Deduct</i>	-21.09	
			<i>For &gt;100 To 250, Deduct</i>	-36.40	
			<i>For &gt;250 To 500, Deduct</i>	-61.24	
			<i>For &gt;500, Deduct</i>	-86.08	
26 51 19 00-0380	EA		30,000 Lumens, 178 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 30000LM SEF ACL GND MVOLT) .....	717.34	152.09
			<i>For &gt;50 To 100, Deduct</i>	-23.72	
			<i>For &gt;100 To 250, Deduct</i>	-41.65	
			<i>For &gt;250 To 500, Deduct</i>	-71.73	
			<i>For &gt;500, Deduct</i>	-101.82	
26 51 19 00-0381	EA		36,000 Lumens, 218 Watt, 25.6" Length, LED High Bay Fixture (Lithonia IBG 36000LM SEF ACL GND MVOLT) .....	851.32	152.09
			<i>For &gt;50 To 100, Deduct</i>	-27.07	
			<i>For &gt;100 To 250, Deduct</i>	-48.35	
			<i>For &gt;250 To 500, Deduct</i>	-85.13	
			<i>For &gt;500, Deduct</i>	-121.91	
26 51 19 00-0382	EA		48,000 Lumens, 284 Watt, 47.29" Length, LED High Bay Fixture (Lithonia IBG 48000LM SEF ACL GND MVOLT) .....	1,218.57	154.90
			<i>For &gt;50 To 100, Deduct</i>	-38.21	
			<i>For &gt;100 To 250, Deduct</i>	-68.67	
			<i>For &gt;250 To 500, Deduct</i>	-121.86	
			<i>For &gt;500, Deduct</i>	-175.04	



**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0383			<b>LED High Bay Fixtures (Lithonia IBL)</b> (26 51 19 00-0324)		
26 51 19 00-0384	EA		9,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 9L) .....	698.20	154.90
			For >50 To 100, Deduct	-25.20	
			For >100 To 250, Deduct	-42.66	
			For >250 To 500, Deduct	-69.82	
			For >500, Deduct	-96.98	
26 51 19 00-0385	EA		12,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 12L) .....	748.87	154.90
			For >50 To 100, Deduct	-26.47	
			For >100 To 250, Deduct	-45.19	
			For >250 To 500, Deduct	-74.89	
			For >500, Deduct	-104.59	
26 51 19 00-0386	EA		18,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 18L) .....	885.69	154.90
			For >50 To 100, Deduct	-29.89	
			For >100 To 250, Deduct	-52.03	
			For >250 To 500, Deduct	-88.57	
			For >500, Deduct	-125.11	
26 51 19 00-0387	EA		24,000 Lumens, 45" Length, LED High Bay Fixture (Lithonia IBL 24L) .....	940.41	154.90
			For >50 To 100, Deduct	-31.26	
			For >100 To 250, Deduct	-54.77	
			For >250 To 500, Deduct	-94.04	
			For >500, Deduct	-133.32	
26 51 19 00-0388			<b>LED High Bay Fixtures (Metalux SSLED)</b> (26 51 19 00-0324)		
26 51 19 00-0389	EA		12,000 Lumens, 80 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-12-M-UNV-L840-CD1U) .....	815.14	154.90
			For >50 To 100, Deduct	-28.12	
			For >100 To 250, Deduct	-48.50	
			For >250 To 500, Deduct	-81.51	
			For >500, Deduct	-114.53	
26 51 19 00-0390	EA		15,000 Lumens, 100 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-15-M-UNV-L840-CD1U) .....	834.99	154.90
			For >50 To 100, Deduct	-28.62	
			For >100 To 250, Deduct	-49.49	
			For >250 To 500, Deduct	-83.50	
			For >500, Deduct	-117.50	
26 51 19 00-0391	EA		18,000 Lumens, 120 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-18-M-UNV-L840-CD1U) .....	842.99	154.90
			For >50 To 100, Deduct	-28.82	
			For >100 To 250, Deduct	-49.89	
			For >250 To 500, Deduct	-84.30	
			For >500, Deduct	-118.70	
26 51 19 00-0392	EA		24,000 Lumens, 160 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-24-M-UNV-L840-CD1U) .....	919.11	154.90
			For >50 To 100, Deduct	-30.72	
			For >100 To 250, Deduct	-53.70	
			For >250 To 500, Deduct	-91.91	
			For >500, Deduct	-130.12	
26 51 19 00-0393	EA		30,000 Lumens, 200 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-30-M-UNV-L840-CD1U) .....	1,007.78	154.90
			For >50 To 100, Deduct	-32.94	
			For >100 To 250, Deduct	-58.13	
			For >250 To 500, Deduct	-100.78	
			For >500, Deduct	-143.42	
26 51 19 00-0394	EA		36,000 Lumens, 240 Watt, 5000K, LED Round High Bay Fixture (Metalux SSLED-LD5-36-M-UNV-L840-CD1U) .....	1,041.05	154.90
			For >50 To 100, Deduct	-33.77	
			For >100 To 250, Deduct	-59.80	
			For >250 To 500, Deduct	-104.11	
			For >500, Deduct	-148.41	
26 51 19 00-0395			<b>LED High Bay Fixtures (PlanLED)</b> (26 51 19 00-0324)		
26 51 19 00-0396			<b>LED High Bay Fixtures (PlanLED LUNA)</b> (26 51 19 00-0395)		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0397	EA		7,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN70) .....	1,020.75	154.90
			For >50 To 100, Deduct	-33.26	
			For >100 To 250, Deduct	-58.78	
			For >250 To 500, Deduct	-102.08	
			For >500, Deduct	-145.37	
26 51 19 00-0398	EA		9,800 Lumens, LED High Bay Fixture (PlanLED LUNA LN98) .....	1,142.14	154.90
			For >50 To 100, Deduct	-36.30	
			For >100 To 250, Deduct	-64.85	
			For >250 To 500, Deduct	-114.21	
			For >500, Deduct	-163.58	
26 51 19 00-0399	EA		13,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN130) .....	1,317.70	154.90
			For >50 To 100, Deduct	-40.69	
			For >100 To 250, Deduct	-73.63	
			For >250 To 500, Deduct	-131.77	
			For >500, Deduct	-189.91	
26 51 19 00-0400	EA		16,000 Lumens, LED High Bay Fixture (PlanLED LUNA LN160) .....	1,488.94	154.90
			For >50 To 100, Deduct	-44.97	
			For >100 To 250, Deduct	-82.19	
			For >250 To 500, Deduct	-148.89	
			For >500, Deduct	-215.60	
26 51 19 00-0401			<b>LED High Bay Fixtures (PlanLED IBL)</b> (26 51 19 00-0395)		
			Note: Includes aluminum alloy chassis.		

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Interior Lighting</b>	<b>26 51</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0402	EA		13,650 Lumens, 130 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 130W) .....	1,107.46	154.90
			<i>For 480 Volt, Add</i>	60.82	
			<i>For &gt;50 To 100, Deduct</i>	-35.43	
			<i>For &gt;100 To 250, Deduct</i>	-63.12	
			<i>For &gt;250 To 500, Deduct</i>	-110.75	
			<i>For &gt;500, Deduct</i>	-158.37	
26 51 19 00-0403	EA		21,000 Lumens, 200 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 200W) .....	1,530.12	154.90
			<i>For 480 Volt, Add</i>	77.08	
			<i>For &gt;50 To 100, Deduct</i>	-46.00	
			<i>For &gt;100 To 250, Deduct</i>	-84.25	
			<i>For &gt;250 To 500, Deduct</i>	-153.01	
			<i>For &gt;500, Deduct</i>	-221.77	
26 51 19 00-0404	EA		42,000 Lumens, 400 Watt, 46.5" Length, LED Indirect High Bay Fixture (PlanLED IBL 400W) .....	2,694.08	154.90
			<i>For 480 Volt, Add</i>	122.30	
			<i>For &gt;50 To 100, Deduct</i>	-75.10	
			<i>For &gt;100 To 250, Deduct</i>	-142.45	
			<i>For &gt;250 To 500, Deduct</i>	-269.41	
			<i>For &gt;500, Deduct</i>	-396.37	
<b>26 51 19 00-0405</b>			<b>LED High Bay Fixtures (PlanLED SEGA) <small>(26 51 19 00-0395)</small></b>		
			Note: Includes aluminum alloy chassis.		
26 51 19 00-0406	EA		10,400 Lumens, 80 Watt, LED High Bay Fixture (PlanLED SEGA SE080) .....	879.87	154.90
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For &gt;50 To 100, Deduct</i>	-29.74	
			<i>For &gt;100 To 250, Deduct</i>	-51.74	
			<i>For &gt;250 To 500, Deduct</i>	-87.99	
			<i>For &gt;500, Deduct</i>	-124.24	
26 51 19 00-0407	EA		13,000 Lumens, 100 Watt, LED High Bay Fixture (PlanLED SEGA SE100) .....	938.39	154.90
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For &gt;50 To 100, Deduct</i>	-31.21	
			<i>For &gt;100 To 250, Deduct</i>	-54.66	
			<i>For &gt;250 To 500, Deduct</i>	-93.84	
			<i>For &gt;500, Deduct</i>	-133.01	
26 51 19 00-0408	EA		16,900 Lumens, 130 Watt, LED High Bay Fixture (PlanLED SEGA SE130) .....	1,139.97	154.90
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For &gt;50 To 100, Deduct</i>	-36.24	
			<i>For &gt;100 To 250, Deduct</i>	-64.74	
			<i>For &gt;250 To 500, Deduct</i>	-114.00	
			<i>For &gt;500, Deduct</i>	-163.25	
26 51 19 00-0409	EA		20,800 Lumens, 160 Watt, LED High Bay Fixture (PlanLED SEGA SE160) .....	1,285.19	154.90
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For &gt;50 To 100, Deduct</i>	-39.88	
			<i>For &gt;100 To 250, Deduct</i>	-72.00	
			<i>For &gt;250 To 500, Deduct</i>	-128.52	
			<i>For &gt;500, Deduct</i>	-185.03	
26 51 19 00-0410	EA		50,000 Lumens, 400 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE400).....	2,355.94	154.90
			<i>For &gt;50 To 100, Deduct</i>	-66.64	
			<i>For &gt;100 To 250, Deduct</i>	-125.54	
			<i>For &gt;250 To 500, Deduct</i>	-235.59	
			<i>For &gt;500, Deduct</i>	-345.65	
26 51 19 00-0411	EA		57,040 Lumens, 500 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE500).....	2,546.69	154.90
			<i>For &gt;50 To 100, Deduct</i>	-71.41	
			<i>For &gt;100 To 250, Deduct</i>	-135.08	
			<i>For &gt;250 To 500, Deduct</i>	-254.67	
			<i>For &gt;500, Deduct</i>	-374.26	
26 51 19 00-0412	EA		80,000 Lumens, 640 Watt, Array, LED High Bay Fixture (PlanLED SEGA SE640).....	3,859.88	154.90
			<i>For &gt;50 To 100, Deduct</i>	-104.24	
			<i>For &gt;100 To 250, Deduct</i>	-200.74	
			<i>For &gt;250 To 500, Deduct</i>	-385.99	
			<i>For &gt;500, Deduct</i>	-571.24	
<b>26 51 19 00-0413</b>			<b>Wet/Hazardous Location, LED Fixtures <small>(26 51 19 00-0001)</small></b>		
<b>26 51 19 00-0414</b>			<b>Wet Location, LED Fixtures <small>(26 51 19 00-0413)</small></b>		
<b>26 51 19 00-0415</b>			<b>Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM) <small>(26 51 19 00-0414)</small></b>		
			Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0416	EA		3,531 Lumens, 29 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM3L).....	2,753.20	118.29
			<i>For Ceiling Mount, Add</i>	23.84	
			<i>For Quick Clip Mounting Option, Add</i>	35.05	
			<i>For Frosted Lens, Add</i>	75.38	
			<i>For Warm White Color Rendering, Add</i>	97.03	
			<i>For Stanchion Mount, Add</i>	162.62	
			<i>For Wall Mount, Add</i>	180.02	
			<i>For Polycarbonate Lens, Add</i>	139.71	
			<i>For Teflon Coated Lens, Add</i>	159.99	
			<i>For 480 Volt, Add</i>	228.54	
			<i>For &gt;50 To 100, Deduct</i>	-73.76	
			<i>For &gt;100 To 250, Deduct</i>	-142.59	
			<i>For &gt;250 To 500, Deduct</i>	-275.32	
			<i>For &gt;500, Deduct</i>	-408.05	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0417	EA 5,335 Lumens, 43 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM5L).....	2,807.57	126.74
	For Ceiling Mount, Add	23.84	
	For Quick Clip Mounting Option, Add	35.05	
	For Frosted Lens, Add	75.38	
	For Warm White Color Rendering, Add	97.03	
	For Stanchion Mount, Add	162.62	
	For Wall Mount, Add	180.02	
	For Polycarbonate Lens, Add	139.71	
	For Teflon Coated Lens, Add	159.99	
	For 480 Volt, Add	228.54	
	For >50 To 100, Deduct	-75.47	
	For >100 To 250, Deduct	-145.66	
	For >250 To 500, Deduct	-280.76	
	For >500, Deduct	-415.85	
26 51 19 00-0418	EA 7,195 Lumens, 62 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM7L).....	3,168.50	135.19
	For Ceiling Mount, Add	23.84	
	For Quick Clip Mounting Option, Add	35.05	
	For Frosted Lens, Add	75.38	
	For Warm White Color Rendering, Add	97.03	
	For Stanchion Mount, Add	162.62	
	For Wall Mount, Add	180.02	
	For Polycarbonate Lens, Add	139.71	
	For Teflon Coated Lens, Add	159.99	
	For 480 Volt, Add	228.54	
	For >50 To 100, Deduct	-84.85	
	For >100 To 250, Deduct	-164.06	
	For >250 To 500, Deduct	-316.85	
	For >500, Deduct	-469.64	
26 51 19 00-0419	EA 9,266 Lumens, 85 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM9L).....	3,810.77	143.64
	For Ceiling Mount, Add	23.84	
	For Quick Clip Mounting Option, Add	35.05	
	For Frosted Lens, Add	75.38	
	For Warm White Color Rendering, Add	97.03	
	For Stanchion Mount, Add	162.62	
	For Wall Mount, Add	180.02	
	For Polycarbonate Lens, Add	139.71	
	For Teflon Coated Lens, Add	159.99	
	For 480 Volt, Add	228.54	
	For >50 To 100, Deduct	-101.25	
	For >100 To 250, Deduct	-196.52	
	For >250 To 500, Deduct	-381.08	
	For >500, Deduct	-565.63	
26 51 19 00-0420	EA 11,440 Lumens, 113 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	4,854.91	152.09
	For Ceiling Mount, Add	23.84	
	For Quick Clip Mounting Option, Add	35.05	
	For Frosted Lens, Add	75.38	
	For Warm White Color Rendering, Add	97.03	
	For Stanchion Mount, Add	162.62	
	For Wall Mount, Add	180.02	
	For Polycarbonate Lens, Add	139.71	
	For Teflon Coated Lens, Add	159.99	
	For 480 Volt, Add	228.54	
	For >50 To 100, Deduct	-127.71	
	For >100 To 250, Deduct	-249.08	
	For >250 To 500, Deduct	-485.49	
	For >500, Deduct	-721.90	
26 51 19 00-0421	EA 13,226 Lumens, 131 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM11L).....	6,380.94	156.32
	For Ceiling Mount, Add	23.84	
	For Quick Clip Mounting Option, Add	35.05	
	For Frosted Lens, Add	75.38	
	For Warm White Color Rendering, Add	97.03	
	For Stanchion Mount, Add	162.62	
	For Wall Mount, Add	180.02	
	For Polycarbonate Lens, Add	139.71	
	For Teflon Coated Lens, Add	159.99	
	For 480 Volt, Add	228.54	
	For >50 To 100, Deduct	-166.04	
	For >100 To 250, Deduct	-325.56	
	For >250 To 500, Deduct	-638.09	
	For >500, Deduct	-950.63	
26 51 19 00-0422	EA 18,793 Lumens, 168 Watt, Pendant Mount, Wet Location, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Champ® Pro PVM17L).....	7,386.88	160.54
	For Ceiling Mount, Add	23.84	
	For Quick Clip Mounting Option, Add	35.05	
	For Frosted Lens, Add	75.38	
	For Warm White Color Rendering, Add	97.03	
	For Stanchion Mount, Add	162.62	
	For Wall Mount, Add	180.02	
	For Polycarbonate Lens, Add	139.71	
	For Teflon Coated Lens, Add	159.99	
	For 480 Volt, Add	228.54	
	For >50 To 100, Deduct	-191.36	
	For >100 To 250, Deduct	-376.03	
	For >250 To 500, Deduct	-738.69	
	For >500, Deduct	-1,101.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 19 00-0423			<b>Wet Location, NEMA 4X, LED Floodlight (Cooper Champ® Pro PFM)</b> <small>(26 51 19 00-0414)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0424	EA		5,183 Lumens, 45 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM5L).....	2,484.59	126.74
			For Bolt-On Visor, Add	129.78	
			For Bolt-On Wire Guard, Add	266.93	
			For 480 Volt, Add	228.54	
			For Warm White Color Rendering, Add	97.03	
			For >50 To 100, Deduct	-67.40	
			For >100 To 250, Deduct	-129.51	
			For >250 To 500, Deduct	-248.46	
			For >500, Deduct	-367.41	
26 51 19 00-0425	EA		7,095 Lumens, 62 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM7L).....	3,657.88	135.19
			For Bolt-On Visor, Add	129.78	
			For Bolt-On Wire Guard, Add	266.93	
			For 480 Volt, Add	228.54	
			For Warm White Color Rendering, Add	97.03	
			For >50 To 100, Deduct	-97.08	
			For >100 To 250, Deduct	-188.53	
			For >250 To 500, Deduct	-365.79	
			For >500, Deduct	-543.05	
26 51 19 00-0426	EA		9,132 Lumens, 79 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM9L).....	4,032.24	143.64
			For Bolt-On Visor, Add	129.78	
			For Bolt-On Wire Guard, Add	266.93	
			For 480 Volt, Add	228.54	
			For Warm White Color Rendering, Add	97.03	
			For >50 To 100, Deduct	-106.79	
			For >100 To 250, Deduct	-207.60	
			For >250 To 500, Deduct	-403.22	
			For >500, Deduct	-598.85	
26 51 19 00-0427	EA		11,107 Lumens, 99 Watt, Yoke Mount, Wet Location, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® Pro PFM11L).....	4,627.38	152.09
			For Bolt-On Visor, Add	129.78	
			For Bolt-On Wire Guard, Add	266.93	
			For 480 Volt, Add	228.54	
			For Warm White Color Rendering, Add	97.03	
			For >50 To 100, Deduct	-122.02	
			For >100 To 250, Deduct	-237.71	
			For >250 To 500, Deduct	-462.74	
			For >500, Deduct	-687.77	
26 51 19 00-0428			<b>Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2L)</b> <small>(26 51 19 00-0414)</small>		
			Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 51 19 00-0429	EA		1,400 Lumens, 25 Watt, Pendant Mount, Wet Location, NEMA 4X, Low Bay, LED Fixture (Cooper Vaporgard™ Pro P2LC).....	1,728.29	118.29
			For 12/24 Volt DC Driver, Add	36.89	
			For Frosted Lens, Add	75.38	
			For 55 Degree Ambient Suitability (AC Only), Add	50.22	
			For Warm White Color Rendering, Add	97.03	
			For Ceiling Mount, Add	114.59	
			For Wall Mount, Add	166.19	
			For Teflon Coated Lens, Add	159.99	
			For Wall Mount With Junction Box, Add	241.42	
			For >50 To 100, Deduct	-48.14	
			For >100 To 250, Deduct	-91.34	
			For >250 To 500, Deduct	-172.83	
			For >500, Deduct	-254.31	
26 51 19 00-0430			<b>Ceiling Mounted LED Fixtures</b> <small>(26 51 19 00-0001)</small>		
26 51 19 00-0431			<b>Ceiling Mounted, LED Drum Fixtures (Enertron)</b> <small>(26 51 19 00-0430)</small>		
26 51 19 00-0432	EA		11" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X611-30).....	139.63	56.33
			For >50 To 100, Deduct	-5.60	
			For >100 To 250, Deduct	-9.09	
			For >250 To 500, Deduct	-13.96	
			For >500, Deduct	-18.83	
26 51 19 00-0433	EA		11" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X611-30).....	145.11	56.33
			For >50 To 100, Deduct	-5.74	
			For >100 To 250, Deduct	-9.37	
			For >250 To 500, Deduct	-14.51	
			For >500, Deduct	-19.65	
26 51 19 00-0434	EA		11" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X611-30).....	150.58	56.33
			For >50 To 100, Deduct	-5.88	
			For >100 To 250, Deduct	-9.64	
			For >250 To 500, Deduct	-15.06	
			For >500, Deduct	-20.47	
26 51 19 00-0435	EA		11" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X611-30).....	156.06	56.33
			For >50 To 100, Deduct	-6.01	
			For >100 To 250, Deduct	-9.92	
			For >250 To 500, Deduct	-15.61	
			For >500, Deduct	-21.30	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0436	EA		14" Diameter, 530 Lumens, 7 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X614-30) .....	153.77	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-10.01	
			<i>For &gt;250 To 500, Deduct</i>	-15.38	
			<i>For &gt;500, Deduct</i>	-20.74	
26 51 19 00-0437	EA		14" Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X614-30) .....	159.24	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.30	
			<i>For &gt;100 To 250, Deduct</i>	-10.29	
			<i>For &gt;250 To 500, Deduct</i>	-15.92	
			<i>For &gt;500, Deduct</i>	-21.56	
26 51 19 00-0438	EA		14" Diameter, 1,590 Lumens, 14 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X614-30) .....	164.71	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.44	
			<i>For &gt;100 To 250, Deduct</i>	-10.56	
			<i>For &gt;250 To 500, Deduct</i>	-16.47	
			<i>For &gt;500, Deduct</i>	-22.38	
26 51 19 00-0439	EA		14" Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X614-30) .....	170.19	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.58	
			<i>For &gt;100 To 250, Deduct</i>	-10.83	
			<i>For &gt;250 To 500, Deduct</i>	-17.02	
			<i>For &gt;500, Deduct</i>	-23.20	
26 51 19 00-0440	EA		14" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X614-30) .....	181.14	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.85	
			<i>For &gt;100 To 250, Deduct</i>	-11.38	
			<i>For &gt;250 To 500, Deduct</i>	-18.11	
			<i>For &gt;500, Deduct</i>	-24.85	
26 51 19 00-0441	EA		11" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X611-35) .....	139.63	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.60	
			<i>For &gt;100 To 250, Deduct</i>	-9.09	
			<i>For &gt;250 To 500, Deduct</i>	-13.96	
			<i>For &gt;500, Deduct</i>	-18.83	
26 51 19 00-0442	EA		11" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X611-35) .....	145.11	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.74	
			<i>For &gt;100 To 250, Deduct</i>	-9.37	
			<i>For &gt;250 To 500, Deduct</i>	-14.51	
			<i>For &gt;500, Deduct</i>	-19.65	
26 51 19 00-0443	EA		11" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X611-35) .....	150.58	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-9.64	
			<i>For &gt;250 To 500, Deduct</i>	-15.06	
			<i>For &gt;500, Deduct</i>	-20.47	
26 51 19 00-0444	EA		11" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X611-35) .....	156.06	56.33
			<i>For &gt;50 To 100, Deduct</i>	-6.01	
			<i>For &gt;100 To 250, Deduct</i>	-9.92	
			<i>For &gt;250 To 500, Deduct</i>	-15.61	
			<i>For &gt;500, Deduct</i>	-21.30	
26 51 19 00-0445	EA		14" Diameter, 530 Lumens, 7 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X614-35) .....	153.77	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-10.01	
			<i>For &gt;250 To 500, Deduct</i>	-15.38	
			<i>For &gt;500, Deduct</i>	-20.74	
26 51 19 00-0446	EA		14" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X614-35) .....	159.24	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.30	
			<i>For &gt;100 To 250, Deduct</i>	-10.29	
			<i>For &gt;250 To 500, Deduct</i>	-15.92	
			<i>For &gt;500, Deduct</i>	-21.56	
26 51 19 00-0447	EA		14" Diameter, 1,590 Lumens, 14 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED3X614-35) .....	164.71	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.44	
			<i>For &gt;100 To 250, Deduct</i>	-10.56	
			<i>For &gt;250 To 500, Deduct</i>	-16.47	
			<i>For &gt;500, Deduct</i>	-22.38	
26 51 19 00-0448	EA		14" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X614-35) .....	170.19	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.58	
			<i>For &gt;100 To 250, Deduct</i>	-10.83	
			<i>For &gt;250 To 500, Deduct</i>	-17.02	
			<i>For &gt;500, Deduct</i>	-23.20	
26 51 19 00-0449	EA		14" Diameter, 3,180 Lumens, 24 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED6X614-30) .....	181.14	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.85	
			<i>For &gt;100 To 250, Deduct</i>	-11.38	
			<i>For &gt;250 To 500, Deduct</i>	-18.11	
			<i>For &gt;500, Deduct</i>	-24.85	
26 51 19 00-0450	EA		11" Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X611-40) .....	139.63	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.60	
			<i>For &gt;100 To 250, Deduct</i>	-9.09	
			<i>For &gt;250 To 500, Deduct</i>	-13.96	
			<i>For &gt;500, Deduct</i>	-18.83	
26 51 19 00-0451	EA		11" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X611-40) .....	145.11	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.74	
			<i>For &gt;100 To 250, Deduct</i>	-9.37	
			<i>For &gt;250 To 500, Deduct</i>	-14.51	
			<i>For &gt;500, Deduct</i>	-19.65	
26 51 19 00-0452	EA		11" Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X611-40) .....	150.58	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-9.64	
			<i>For &gt;250 To 500, Deduct</i>	-15.06	
			<i>For &gt;500, Deduct</i>	-20.47	
26 51 19 00-0453	EA		11" Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X611-40) .....	156.06	56.33
			<i>For &gt;50 To 100, Deduct</i>	-6.01	
			<i>For &gt;100 To 250, Deduct</i>	-9.92	
			<i>For &gt;250 To 500, Deduct</i>	-15.61	
			<i>For &gt;500, Deduct</i>	-21.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0454	EA	14"	Diameter, 550 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) .....	153.77	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-10.01	
			<i>For &gt;250 To 500, Deduct</i>	-15.38	
			<i>For &gt;500, Deduct</i>	-20.74	
26 51 19 00-0455	EA	14"	Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) .....	159.24	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.30	
			<i>For &gt;100 To 250, Deduct</i>	-10.29	
			<i>For &gt;250 To 500, Deduct</i>	-15.92	
			<i>For &gt;500, Deduct</i>	-21.56	
26 51 19 00-0456	EA	14"	Diameter, 1,650 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) .....	164.71	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.44	
			<i>For &gt;100 To 250, Deduct</i>	-10.56	
			<i>For &gt;250 To 500, Deduct</i>	-16.47	
			<i>For &gt;500, Deduct</i>	-22.38	
26 51 19 00-0457	EA	14"	Diameter, 2,200 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) .....	170.19	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.58	
			<i>For &gt;100 To 250, Deduct</i>	-10.83	
			<i>For &gt;250 To 500, Deduct</i>	-17.02	
			<i>For &gt;500, Deduct</i>	-23.20	
26 51 19 00-0458	EA	14"	Diameter, 3,300 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) .....	181.14	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.85	
			<i>For &gt;100 To 250, Deduct</i>	-11.38	
			<i>For &gt;250 To 500, Deduct</i>	-18.11	
			<i>For &gt;500, Deduct</i>	-24.85	
26 51 19 00-0459	EA	11"	Diameter, 560 Lumens, 7 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED1X611-50) .....	139.63	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.60	
			<i>For &gt;100 To 250, Deduct</i>	-9.09	
			<i>For &gt;250 To 500, Deduct</i>	-13.96	
			<i>For &gt;500, Deduct</i>	-18.83	
26 51 19 00-0460	EA	11"	Diameter, 1,120 Lumens, 10 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED2X611-50) .....	145.11	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.74	
			<i>For &gt;100 To 250, Deduct</i>	-9.37	
			<i>For &gt;250 To 500, Deduct</i>	-14.51	
			<i>For &gt;500, Deduct</i>	-19.65	
26 51 19 00-0461	EA	11"	Diameter, 1,680 Lumens, 14 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED3X611-50) .....	150.58	56.33
			<i>For &gt;50 To 100, Deduct</i>	-5.88	
			<i>For &gt;100 To 250, Deduct</i>	-9.64	
			<i>For &gt;250 To 500, Deduct</i>	-15.06	
			<i>For &gt;500, Deduct</i>	-20.47	
26 51 19 00-0462	EA	11"	Diameter, 2,240 Lumens, 17 Watt, 5000K CCT, LED Drum Fixture (Enertron 10LED4X611-50) .....	156.06	56.33
			<i>For &gt;50 To 100, Deduct</i>	-6.01	
			<i>For &gt;100 To 250, Deduct</i>	-9.92	
			<i>For &gt;250 To 500, Deduct</i>	-15.61	
			<i>For &gt;500, Deduct</i>	-21.30	
26 51 19 00-0463	EA	14"	Diameter, 560 Lumens, 7 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X614-40) .....	153.77	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.17	
			<i>For &gt;100 To 250, Deduct</i>	-10.01	
			<i>For &gt;250 To 500, Deduct</i>	-15.38	
			<i>For &gt;500, Deduct</i>	-20.74	
26 51 19 00-0464	EA	14"	Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X614-40) .....	159.24	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.30	
			<i>For &gt;100 To 250, Deduct</i>	-10.29	
			<i>For &gt;250 To 500, Deduct</i>	-15.92	
			<i>For &gt;500, Deduct</i>	-21.56	
26 51 19 00-0465	EA	14"	Diameter, 1,680 Lumens, 14 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED3X614-40) .....	164.71	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.44	
			<i>For &gt;100 To 250, Deduct</i>	-10.56	
			<i>For &gt;250 To 500, Deduct</i>	-16.47	
			<i>For &gt;500, Deduct</i>	-22.38	
26 51 19 00-0466	EA	14"	Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X614-40) .....	170.19	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.58	
			<i>For &gt;100 To 250, Deduct</i>	-10.83	
			<i>For &gt;250 To 500, Deduct</i>	-17.02	
			<i>For &gt;500, Deduct</i>	-23.20	
26 51 19 00-0467	EA	14"	Diameter, 3,360 Lumens, 24 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED6X614-40) .....	181.14	61.97
			<i>For &gt;50 To 100, Deduct</i>	-6.85	
			<i>For &gt;100 To 250, Deduct</i>	-11.38	
			<i>For &gt;250 To 500, Deduct</i>	-18.11	
			<i>For &gt;500, Deduct</i>	-24.85	
26 51 19 00-0468	EA	19"	Diameter, 1,060 Lumens, 10 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-30) .....	188.53	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.25	
			<i>For &gt;100 To 250, Deduct</i>	-11.96	
			<i>For &gt;250 To 500, Deduct</i>	-18.85	
			<i>For &gt;500, Deduct</i>	-25.74	
26 51 19 00-0469	EA	19"	Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X619-30) .....	200.97	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.56	
			<i>For &gt;100 To 250, Deduct</i>	-12.58	
			<i>For &gt;250 To 500, Deduct</i>	-20.10	
			<i>For &gt;500, Deduct</i>	-27.61	
26 51 19 00-0470	EA	19"	Diameter, 2,120 Lumens, 17 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-30) .....	197.94	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.48	
			<i>For &gt;100 To 250, Deduct</i>	-12.43	
			<i>For &gt;250 To 500, Deduct</i>	-19.79	
			<i>For &gt;500, Deduct</i>	-27.16	
26 51 19 00-0471	EA	19"	Diameter, 1,910 Lumens, 18 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-30) .....	197.89	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.48	
			<i>For &gt;100 To 250, Deduct</i>	-12.43	
			<i>For &gt;250 To 500, Deduct</i>	-19.79	
			<i>For &gt;500, Deduct</i>	-27.15	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 19 00-0472	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) .....	211.92	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.83	
	<i>For &gt;100 To 250, Deduct</i>	-13.13	
	<i>For &gt;250 To 500, Deduct</i>	-21.19	
	<i>For &gt;500, Deduct</i>	-29.25	
26 51 19 00-0473	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) .....	207.39	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.72	
	<i>For &gt;100 To 250, Deduct</i>	-12.90	
	<i>For &gt;250 To 500, Deduct</i>	-20.74	
	<i>For &gt;500, Deduct</i>	-28.57	
26 51 19 00-0474	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) .....	226.36	66.89
	<i>For &gt;50 To 100, Deduct</i>	-8.19	
	<i>For &gt;100 To 250, Deduct</i>	-13.85	
	<i>For &gt;250 To 500, Deduct</i>	-22.64	
	<i>For &gt;500, Deduct</i>	-31.42	
26 51 19 00-0475	EA 19" Diameter, 3,820 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-30) .....	220.18	66.89
	<i>For &gt;50 To 100, Deduct</i>	-8.04	
	<i>For &gt;100 To 250, Deduct</i>	-13.54	
	<i>For &gt;250 To 500, Deduct</i>	-22.02	
	<i>For &gt;500, Deduct</i>	-30.49	
26 51 19 00-0476	EA 19" Diameter, 4,240 Lumens, 32 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-30) .....	220.23	66.89
	<i>For &gt;50 To 100, Deduct</i>	-8.04	
	<i>For &gt;100 To 250, Deduct</i>	-13.55	
	<i>For &gt;250 To 500, Deduct</i>	-22.02	
	<i>For &gt;500, Deduct</i>	-30.50	
26 51 19 00-0477	EA 19" Diameter, 1,060 Lumens, 10 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12S19-35) .....	188.53	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.25	
	<i>For &gt;100 To 250, Deduct</i>	-11.96	
	<i>For &gt;250 To 500, Deduct</i>	-18.85	
	<i>For &gt;500, Deduct</i>	-25.74	
26 51 19 00-0478	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X619-35) .....	200.97	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.56	
	<i>For &gt;100 To 250, Deduct</i>	-12.58	
	<i>For &gt;250 To 500, Deduct</i>	-20.10	
	<i>For &gt;500, Deduct</i>	-27.61	
26 51 19 00-0479	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) .....	197.94	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.48	
	<i>For &gt;100 To 250, Deduct</i>	-12.43	
	<i>For &gt;250 To 500, Deduct</i>	-19.79	
	<i>For &gt;500, Deduct</i>	-27.16	
26 51 19 00-0480	EA 19" Diameter, 1,910 Lumens, 18 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED1X12H19-35) .....	197.89	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.48	
	<i>For &gt;100 To 250, Deduct</i>	-12.43	
	<i>For &gt;250 To 500, Deduct</i>	-19.79	
	<i>For &gt;500, Deduct</i>	-27.15	
26 51 19 00-0481	EA 19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) .....	211.92	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.83	
	<i>For &gt;100 To 250, Deduct</i>	-13.13	
	<i>For &gt;250 To 500, Deduct</i>	-21.19	
	<i>For &gt;500, Deduct</i>	-29.25	
26 51 19 00-0482	EA 19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) .....	207.39	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.72	
	<i>For &gt;100 To 250, Deduct</i>	-12.90	
	<i>For &gt;250 To 500, Deduct</i>	-20.74	
	<i>For &gt;500, Deduct</i>	-28.57	
26 51 19 00-0483	EA 19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) .....	226.36	66.89
	<i>For &gt;50 To 100, Deduct</i>	-8.19	
	<i>For &gt;100 To 250, Deduct</i>	-13.85	
	<i>For &gt;250 To 500, Deduct</i>	-22.64	
	<i>For &gt;500, Deduct</i>	-31.42	
26 51 19 00-0484	EA 19" Diameter, 3,820 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12H19-35) .....	220.18	66.89
	<i>For &gt;50 To 100, Deduct</i>	-8.04	
	<i>For &gt;100 To 250, Deduct</i>	-13.54	
	<i>For &gt;250 To 500, Deduct</i>	-22.02	
	<i>For &gt;500, Deduct</i>	-30.49	
26 51 19 00-0485	EA 19" Diameter, 4,240 Lumens, 32 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED4X12S19-35) .....	220.23	66.89
	<i>For &gt;50 To 100, Deduct</i>	-8.04	
	<i>For &gt;100 To 250, Deduct</i>	-13.55	
	<i>For &gt;250 To 500, Deduct</i>	-22.02	
	<i>For &gt;500, Deduct</i>	-30.50	
26 51 19 00-0486	EA 19" Diameter, 1,100 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-40) .....	188.53	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.25	
	<i>For &gt;100 To 250, Deduct</i>	-11.96	
	<i>For &gt;250 To 500, Deduct</i>	-18.85	
	<i>For &gt;500, Deduct</i>	-25.74	
26 51 19 00-0487	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) .....	200.97	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.56	
	<i>For &gt;100 To 250, Deduct</i>	-12.58	
	<i>For &gt;250 To 500, Deduct</i>	-20.10	
	<i>For &gt;500, Deduct</i>	-27.61	
26 51 19 00-0488	EA 19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) .....	197.94	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.48	
	<i>For &gt;100 To 250, Deduct</i>	-12.43	
	<i>For &gt;250 To 500, Deduct</i>	-19.79	
	<i>For &gt;500, Deduct</i>	-27.16	
26 51 19 00-0489	EA 19" Diameter, 2,000 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-40) .....	197.89	66.89
	<i>For &gt;50 To 100, Deduct</i>	-7.48	
	<i>For &gt;100 To 250, Deduct</i>	-12.43	
	<i>For &gt;250 To 500, Deduct</i>	-19.79	
	<i>For &gt;500, Deduct</i>	-27.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0490	EA		19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) .....	211.92	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.83	
			<i>For &gt;100 To 250, Deduct</i>	-13.13	
			<i>For &gt;250 To 500, Deduct</i>	-21.19	
			<i>For &gt;500, Deduct</i>	-29.25	
26 51 19 00-0491	EA		19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) .....	207.39	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.72	
			<i>For &gt;100 To 250, Deduct</i>	-12.90	
			<i>For &gt;250 To 500, Deduct</i>	-20.74	
			<i>For &gt;500, Deduct</i>	-28.57	
26 51 19 00-0492	EA		19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) .....	226.36	66.89
			<i>For &gt;50 To 100, Deduct</i>	-8.19	
			<i>For &gt;100 To 250, Deduct</i>	-13.85	
			<i>For &gt;250 To 500, Deduct</i>	-22.64	
			<i>For &gt;500, Deduct</i>	-31.42	
26 51 19 00-0493	EA		19" Diameter, 4,000 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-40) .....	220.18	66.89
			<i>For &gt;50 To 100, Deduct</i>	-8.04	
			<i>For &gt;100 To 250, Deduct</i>	-13.54	
			<i>For &gt;250 To 500, Deduct</i>	-22.02	
			<i>For &gt;500, Deduct</i>	-30.49	
26 51 19 00-0494	EA		19" Diameter, 4,400 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-40) .....	220.23	66.89
			<i>For &gt;50 To 100, Deduct</i>	-8.04	
			<i>For &gt;100 To 250, Deduct</i>	-13.55	
			<i>For &gt;250 To 500, Deduct</i>	-22.02	
			<i>For &gt;500, Deduct</i>	-30.50	
26 51 19 00-0495	EA		19" Diameter, 1,120 Lumens, 10 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12S19-50) .....	188.53	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.25	
			<i>For &gt;100 To 250, Deduct</i>	-11.96	
			<i>For &gt;250 To 500, Deduct</i>	-18.85	
			<i>For &gt;500, Deduct</i>	-25.74	
26 51 19 00-0496	EA		19" Diameter, 2,120 Lumens, 17 Watt, 3500K CCT, LED Drum Fixture (Enertron 10LED2X12S19-35) .....	200.97	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.56	
			<i>For &gt;100 To 250, Deduct</i>	-12.58	
			<i>For &gt;250 To 500, Deduct</i>	-20.10	
			<i>For &gt;500, Deduct</i>	-27.61	
26 51 19 00-0497	EA		19" Diameter, 2,240 Lumens, 17 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12S19-50) .....	197.94	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.48	
			<i>For &gt;100 To 250, Deduct</i>	-12.43	
			<i>For &gt;250 To 500, Deduct</i>	-19.79	
			<i>For &gt;500, Deduct</i>	-27.16	
26 51 19 00-0498	EA		19" Diameter, 2,010 Lumens, 18 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED1X12H19-50) .....	197.89	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.48	
			<i>For &gt;100 To 250, Deduct</i>	-12.43	
			<i>For &gt;250 To 500, Deduct</i>	-19.79	
			<i>For &gt;500, Deduct</i>	-27.15	
26 51 19 00-0499	EA		19" Diameter, 3,180 Lumens, 24 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED6X619-30) .....	211.92	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.83	
			<i>For &gt;100 To 250, Deduct</i>	-13.13	
			<i>For &gt;250 To 500, Deduct</i>	-21.19	
			<i>For &gt;500, Deduct</i>	-29.25	
26 51 19 00-0500	EA		19" Diameter, 3,160 Lumens, 25 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED3X12S19-30) .....	207.39	66.89
			<i>For &gt;50 To 100, Deduct</i>	-7.72	
			<i>For &gt;100 To 250, Deduct</i>	-12.90	
			<i>For &gt;250 To 500, Deduct</i>	-20.74	
			<i>For &gt;500, Deduct</i>	-28.57	
26 51 19 00-0501	EA		19" Diameter, 4,240 Lumens, 31 Watt, 3000K CCT, LED Drum Fixture (Enertron 10LED8X619-30) .....	226.36	66.89
			<i>For &gt;50 To 100, Deduct</i>	-8.19	
			<i>For &gt;100 To 250, Deduct</i>	-13.85	
			<i>For &gt;250 To 500, Deduct</i>	-22.64	
			<i>For &gt;500, Deduct</i>	-31.42	
26 51 19 00-0502	EA		19" Diameter, 4,020 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED2X12H19-50) .....	220.18	66.89
			<i>For &gt;50 To 100, Deduct</i>	-8.04	
			<i>For &gt;100 To 250, Deduct</i>	-13.54	
			<i>For &gt;250 To 500, Deduct</i>	-22.02	
			<i>For &gt;500, Deduct</i>	-30.49	
26 51 19 00-0503	EA		19" Diameter, 4,480 Lumens, 32 Watt, 4000K CCT, LED Drum Fixture (Enertron 10LED4X12S19-50) .....	220.23	66.89
			<i>For &gt;50 To 100, Deduct</i>	-8.04	
			<i>For &gt;100 To 250, Deduct</i>	-13.55	
			<i>For &gt;250 To 500, Deduct</i>	-22.02	
			<i>For &gt;500, Deduct</i>	-30.50	
26 51 19 00-0504			<b>Ceiling Mounted, LED Mushroom Fixtures (Mobern)</b> <small>(26 51 19 00-0430)</small> .....	211.41	61.97
26 51 19 00-0505	EA		14" Diameter, 800 Lumens, 12 Watt, LED Ceiling Fixture (Mobern 6814LED12MV30) .....	211.41	61.97
			<i>For &gt;50 To 100, Deduct</i>	-7.61	
			<i>For &gt;100 To 250, Deduct</i>	-12.89	
			<i>For &gt;250 To 500, Deduct</i>	-21.14	
			<i>For &gt;500, Deduct</i>	-29.39	
26 51 19 00-0506			<b>Ceiling Mounted, LED Fixtures (Sylvania)</b> <small>(26 51 19 00-0430)</small> .....	739.99	66.89
26 51 19 00-0507	EA		12.5" x 12.5" x 2.32" Deep, 4,200 Lumens, 35 Watt, LED Garage Light Fixture (Sylvania GARAG1/035UNVD740/G5/SV/D) .....	739.99	66.89
			<i>For &gt;50 To 100, Deduct</i>	-21.03	
			<i>For &gt;100 To 250, Deduct</i>	-39.53	
			<i>For &gt;250 To 500, Deduct</i>	-74.00	
			<i>For &gt;500, Deduct</i>	-108.46	

**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0508	EA		2' x 2', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/22G/WH + SMKIT1A/24A/WH) .....	293.49	56.33
			For >50 To 100, Deduct	-9.45	
			For >100 To 250, Deduct	-16.79	
			For >250 To 500, Deduct	-29.35	
			For >500, Deduct	-41.91	
26 51 19 00-0509	EA		2' x 4', 32 Watt, 120-277 Volt, 3500K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD835/24G/WH + SMKIT1A/24A/WH) .....	364.09	65.63
			For >50 To 100, Deduct	-11.57	
			For >100 To 250, Deduct	-20.67	
			For >250 To 500, Deduct	-36.41	
			For >500, Deduct	-52.15	
26 51 19 00-0510	EA		2' x 4', 32 Watt, 120-277 Volt, 4000K CCT, LED, Grid Mount Edge-Lit Panel With Surface Mount Kit, White (Sylvania PANELF1A/032UNVD840/24G/WH + SMKIT1A/24A/WH) .....	368.14	65.63
			For >50 To 100, Deduct	-11.67	
			For >100 To 250, Deduct	-20.87	
			For >250 To 500, Deduct	-36.81	
			For >500, Deduct	-52.76	
26 51 19 00-0511			<b>Refrigeration/Display LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0512			<b>Refrigeration/Display LED Fixtures (Lithonia)</b> (26 51 19 00-0511) Note: Fixtures exclude driver.		
26 51 19 00-0513	EA		5' Length, Center Mount, Refrigeration/Display, Vertical LED Fixture (Lithonia FSV5 CM) .....	305.23	65.63
			For >50 To 100, Deduct	-10.10	
			For >100 To 250, Deduct	-17.73	
			For >250 To 500, Deduct	-30.52	
			For >500, Deduct	-43.32	
26 51 19 00-0514	EA		5' Length, Left And Right Mount (Pair), Refrigeration/Display, Vertical LED Fixture (Lithonia FSVDRVL RLEM DLC) .....	409.03	116.18
			For >50 To 100, Deduct	-14.63	
			For >100 To 250, Deduct	-24.85	
			For >250 To 500, Deduct	-40.90	
			For >500, Deduct	-56.95	
26 51 19 00-0515	EA		Up To 5 Door Configuration, LED Driver For Refrigeration/Display, Vertical LED Fixtures (Lithonia FSVDRVL) .....	369.86	92.95
			For >50 To 100, Deduct	-12.77	
			For >100 To 250, Deduct	-22.01	
			For >250 To 500, Deduct	-36.99	
			For >500, Deduct	-51.96	
26 51 19 00-0516			<b>Pendant Mount, LED Fixtures</b> (26 51 19 00-0001)		
26 51 19 00-0517			<b>Pendant Mount, Circular Architectural LED Fixtures (Delray Lighting)</b> (26 51 19 00-0516)		
26 51 19 00-0518	EA		2,166 Lumens, 2' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 W W35 S) .....	2,698.02	143.64
			For >50 To 100, Deduct	-73.44	
			For >100 To 250, Deduct	-140.89	
			For >250 To 500, Deduct	-269.80	
			For >500, Deduct	-398.72	
26 51 19 00-0519	EA		3,250 Lumens, 3' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 W W35 S) .....	4,056.29	152.09
			For >50 To 100, Deduct	-107.74	
			For >100 To 250, Deduct	-209.15	
			For >250 To 500, Deduct	-405.63	
			For >500, Deduct	-602.11	
26 51 19 00-0520	EA		4,333 Lumens, 4' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 W W35 S) .....	5,170.70	160.54
			For >50 To 100, Deduct	-135.96	
			For >100 To 250, Deduct	-265.22	
			For >250 To 500, Deduct	-517.07	
			For >500, Deduct	-768.92	
26 51 19 00-0521	EA		5,416 Lumens, 5' Diameter, White Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 W W35 S) .....	6,528.96	168.99
			For >50 To 100, Deduct	-170.27	
			For >100 To 250, Deduct	-333.49	
			For >250 To 500, Deduct	-652.90	
			For >500, Deduct	-972.30	
26 51 19 00-0522	EA		2,166 Lumens, 2' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC2 S W35 S) .....	2,859.24	143.64
			For >50 To 100, Deduct	-77.47	
			For >100 To 250, Deduct	-148.95	
			For >250 To 500, Deduct	-285.92	
			For >500, Deduct	-422.90	
26 51 19 00-0523	EA		3,250 Lumens, 3' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC3 S W35 S) .....	4,269.90	152.09
			For >50 To 100, Deduct	-113.08	
			For >100 To 250, Deduct	-219.83	
			For >250 To 500, Deduct	-426.99	
			For >500, Deduct	-634.15	
26 51 19 00-0524	EA		4,333 Lumens, 4' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC4 S W35 S) .....	5,386.33	160.54
			For >50 To 100, Deduct	-141.35	
			For >100 To 250, Deduct	-276.01	
			For >250 To 500, Deduct	-538.63	
			For >500, Deduct	-801.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 51 19 00-0525	EA		5,416 Lumens, 5' Diameter, Silver Finish, Pendant Mount, Circular Architectural LED Fixture (Delray Lighting UC5 S W35 S) .....	6,770.79	168.99
			<i>For &gt;50 To 100, Deduct</i> .....	-176.31	
			<i>For &gt;100 To 250, Deduct</i> .....	-345.58	
			<i>For &gt;250 To 500, Deduct</i> .....	-677.08	
			<i>For &gt;500, Deduct</i> .....	-1,008.58	
<b>26 51 19 00-0526</b>			<b>Pendant Mount, LED Commercial Fixtures (DMF) (26 51 19 00-0516)</b>		
26 51 19 00-0527	EA		3,000 Lumens, 18-1/4" Diameter, Pendant Mount, LED Commercial Fixture (DMF DP610LED) .....	1,053.74	84.49
			<i>For &gt;50 To 100, Deduct</i> .....	-29.86	
			<i>For &gt;100 To 250, Deduct</i> .....	-56.21	
			<i>For &gt;250 To 500, Deduct</i> .....	-105.37	
			<i>For &gt;500, Deduct</i> .....	-154.54	
<b>26 51 19 00-0528</b>			<b>LED Track Lighting Fixtures (26 51 19)</b>		
26 51 19 00-0529	EA		19 Watt, Dimmable, LED Track Lighting Fixture (Juno® TRAC-MASTER® Cylindra™) .....	209.24	25.75
			<i>For &gt;50 To 100, Deduct</i> .....	-6.19	
			<i>For &gt;100 To 250, Deduct</i> .....	-11.43	
			<i>For &gt;250 To 500, Deduct</i> .....	-20.92	
			<i>For &gt;500, Deduct</i> .....	-30.42	
26 51 19 00-0530	EA		18 Watt, Dimmable, LED Track Lighting Fixture (HALO® Stasis L805MED) .....	357.89	25.75
			<i>For &gt;50 To 100, Deduct</i> .....	-9.91	
			<i>For &gt;100 To 250, Deduct</i> .....	-18.86	
			<i>For &gt;250 To 500, Deduct</i> .....	-35.79	
			<i>For &gt;500, Deduct</i> .....	-52.72	
26 51 19 00-0531	EA		24 Watt, Dimmable, LED Track Lighting Fixture (Amerlux CNTRV33) .....	214.88	25.75
			<i>For &gt;50 To 100, Deduct</i> .....	-6.34	
			<i>For &gt;100 To 250, Deduct</i> .....	-11.71	
			<i>For &gt;250 To 500, Deduct</i> .....	-21.49	
			<i>For &gt;500, Deduct</i> .....	-31.27	
<b>26 51 23</b>			<b>HID Interior Lighting (26 51)</b>		
26 51 23 00-0001			<b>Large Interior Area Fixtures (26 51 23)</b>		
26 51 23 00-0002			<b>Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0001)</b> Note: Cast aluminum socket housing, anodized aluminum reflector, tempered glass or acrylic lens, plaster mounting frames and brackets.		
26 51 23 00-0003			<b>High Pressure Sodium, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)</b>		
26 51 23 00-0004	EA		150 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	529.63	164.32
			<i>For Polycarbonate Lens, Add</i> .....	47.79	
			<i>For Wire Guard, Add</i> .....	40.50	
			<i>For Instant Quartz Restrike, Add</i> .....	60.00	
26 51 23 00-0005	EA		250 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	552.62	174.49
			<i>For Polycarbonate Lens, Add</i> .....	47.79	
			<i>For Wire Guard, Add</i> .....	40.50	
			<i>For Instant Quartz Restrike, Add</i> .....	60.00	
26 51 23 00-0006	EA		400 Watt High Pressure Sodium, Recessed Mounted, Large Interior Area Fixture .....	583.45	199.16
			<i>For Polycarbonate Lens, Add</i> .....	47.79	
			<i>For Wire Guard, Add</i> .....	40.50	
			<i>For Instant Quartz Restrike, Add</i> .....	60.00	
26 51 23 00-0007			<b>Metal Halide, Recessed Mounted, Large Interior Area Fixtures (26 51 23 00-0002)</b>		
26 51 23 00-0008	EA		150 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	538.56	164.32
			<i>For Polycarbonate Lens, Add</i> .....	47.79	
			<i>For Wire Guard, Add</i> .....	40.50	
			<i>For Instant Quartz Restrike, Add</i> .....	60.00	
26 51 23 00-0009	EA		250 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	556.41	174.49
			<i>For Polycarbonate Lens, Add</i> .....	47.79	
			<i>For Wire Guard, Add</i> .....	40.50	
			<i>For Instant Quartz Restrike, Add</i> .....	60.00	
26 51 23 00-0010	EA		400 Watt Metal Halide, Recessed Mounted, Large Interior Area Fixture .....	596.31	199.16
			<i>For Polycarbonate Lens, Add</i> .....	47.79	
			<i>For Wire Guard, Add</i> .....	40.50	
			<i>For Instant Quartz Restrike, Add</i> .....	60.00	
26 51 23 00-0011			<b>Low Bay Fixtures, Large Interior Area Fixtures (26 51 23 00-0001)</b> Note: Heavy duty steel housing, aluminum reflector, tempered glass or acrylic lens. Low bay fixtures are for mounting below 20-25 feet.		
26 51 23 00-0012			<b>High Pressure Sodium, Low Bay Fixtures (26 51 23 00-0011)</b>		
26 51 23 00-0013	EA		150 Watt High Pressure Sodium, Low Bay Fixture .....	511.85	150.12
			<i>For Wire Guard, Add</i> .....	40.50	
			<i>For Enclosed And Gasketed, Add</i> .....	75.47	
			<i>For Instant Quartz Restrike, Add</i> .....	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i> .....	90.00	
26 51 23 00-0014	EA		250 Watt High Pressure Sodium, Low Bay Fixture .....	527.59	159.41
			<i>For Wire Guard, Add</i> .....	40.50	
			<i>For Enclosed And Gasketed, Add</i> .....	75.47	
			<i>For Instant Quartz Restrike, Add</i> .....	60.00	
			<i>For Glass Or Acrylic Reflector, Add</i> .....	90.00	



**26 Electrical**

**26 50 Lighting**

**26 51 Interior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 51 23 00-0015	EA 400 Watt High Pressure Sodium, Low Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	563.20 40.50 75.47 60.00 90.00	181.94
<b>26 51 23 00-0016</b>	<b>Metal Halide, Low Bay Fixtures</b> <small>(26 51 23 00-0011)</small>		
26 51 23 00-0017	EA 175 Watt Metal Halide, Low Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	505.73 40.50 75.47 60.00 90.00	150.12
26 51 23 00-0018	EA 250 Watt Metal Halide, Low Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	520.65 40.50 75.47 60.00 90.00	159.41
26 51 23 00-0019	EA 400 Watt Metal Halide, Low Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Enclosed And Gasketed, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i>	567.28 40.50 75.47 60.00 90.00	181.94
26 51 23 00-0020	EA 175 Watt Pulse Start Metal Halide Low Bay Fixture (Holophane Enduralume V) ..... Note: Includes a glass refractor. <i>For Acrylic Lens, Add</i>	1,229.49 70.00	70.90
<b>26 51 23 00-0021</b>	<b>High Bay Fixtures, Large Interior Area Fixtures</b> <small>(26 51 23 00-0001)</small> Note: High bay fixtures are for mounting above 20-25 feet. See CSI section 01 22 23 00-0001 for lifts.		
<b>26 51 23 00-0022</b>	<b>High Pressure Sodium, High Bay Fixtures</b> <small>(26 51 23 00-0021)</small> Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0023	EA 250 Watt High Pressure Sodium, High Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	477.95 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	159.41
26 51 23 00-0024	EA 400 Watt High Pressure Sodium, High Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	518.81 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	181.94
26 51 23 00-0025	EA 1,000 Watt High Pressure Sodium, High Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	736.71 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	191.38
<b>26 51 23 00-0026</b>	<b>Metal Halide, High Bay Fixtures</b> <small>(26 51 23 00-0021)</small> Note: Includes heavy duty steel housing and aluminum reflector. Excludes lens.		
26 51 23 00-0027	EA 250 Watt Metal Halide, High Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	447.70 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	159.41
26 51 23 00-0028	EA 400 Watt Metal Halide, High Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	494.13 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	181.94
26 51 23 00-0029	EA 1,000 Watt Metal Halide, High Bay Fixture ..... <i>For Wire Guard, Add</i> <i>For Instant Quartz Restrike, Add</i> <i>For Glass Or Acrylic Reflector, Add</i> <i>For Tempered Glass Or Acrylic Lens, Add</i> <i>For Polycarbonate Lens, Add</i> <i>For Security Chain, Add</i> <i>For Optical Safety Chain, Add</i> <i>For Ballast Safety Chain, Add</i>	631.12 40.50 60.00 90.00 60.50 47.75 19.34 7.47 12.13	191.38

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 23 00-0030			Induction, High Bay Fixtures (26 51 23 00-0021)		
26 51 23 00-0031			Induction, High Bay Fixtures (Everlast®) (26 51 23 00-0030) Note: Includes die cast aluminum ballast casing and acrylic lens.		
26 51 23 00-0032	EA		100 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	531.38	139.42
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0033	EA		120 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	567.81	144.06
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0034	EA		150 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	578.92	148.71
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0035	EA		200 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	627.51	153.36
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0036	EA		250 Watt Induction, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	643.67	158.00
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0037	EA		100 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	566.85	139.42
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0038	EA		120 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	603.28	144.06
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0039	EA		150 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	614.39	148.71
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0040	EA		200 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	662.98	153.36
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0041	EA		250 Watt Induction, Variable Dimming, High Bay Fixture (Everlast® Huron EHBUS-AC) .....	679.14	158.00
			For Impact Resistant Silicon Lens, Add	20.00	
26 51 23 00-0042			Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0001) Note: Heavy duty aluminum housing, aluminum reflector, acrylic drop dish lens, fully gasketed.		
26 51 23 00-0043			High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0042)		
26 51 23 00-0044	EA		100 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	395.94	106.82
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0045	EA		150 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	720.77	106.82
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0046	EA		250 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	826.40	106.82
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0047	EA		400 Watt High Pressure Sodium, Ceiling Mounted, Large Interior Area Fixture .....	1,100.63	106.82
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0048			Metal Halide, Ceiling Mounted, Large Interior Area Fixtures (26 51 23 00-0042)		
26 51 23 00-0049	EA		100 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	347.13	106.82
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0050	EA		175 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	366.85	118.54
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0051	EA		250 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	391.01	128.40
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0052	EA		400 Watt Metal Halide, Ceiling Mounted, Large Interior Area Fixture .....	441.53	152.91
			For Wire Guard, Add	40.50	
			For Instant Quartz Restrike, Add	60.00	
			For Polycarbonate Lens, Add	47.75	
26 51 23 00-0053			High Pressure Sodium, Recessed Fixture Housings (26 51 23)		
26 51 23 00-0054	EA		4" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	179.18	44.40
			For Remodel T Housing, Add	2.82	
			For ICAT Housing, Add	14.56	
26 51 23 00-0055	EA		5" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	186.72	44.40
			For Remodel T Housing, Add	3.01	
			For ICAT Housing, Add	15.54	
26 51 23 00-0056	EA		6" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	196.08	46.24
			For Remodel T Housing, Add	3.17	
			For ICAT Housing, Add	16.35	
26 51 23 00-0057	EA		7" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	203.28	48.25
			For Remodel T Housing, Add	3.27	
			For ICAT Housing, Add	16.88	
26 51 23 00-0058	EA		8" Round, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	210.41	50.25
			For Remodel T Housing, Add	3.37	
			For ICAT Housing, Add	17.40	
26 51 23 00-0059	EA		10" To 12" Square, High Pressure Sodium, T Or ICT Recessed Fixture Housing .....	217.04	53.34
			For Remodel T Housing, Add	3.42	
			For ICAT Housing, Add	17.66	

**26 Electrical****26 50 Lighting****26 51 Interior Lighting**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COSTMINOR  
CSI UOM DESCRIPTION

26 51 23 00-0060		<b>Metal Halide Track Lighting Fixtures</b> (26 51 23)		
26 51 23 00-0061	EA	Metal Halide Track Lighting Fixture .....	115.82	25.75
26 51 23 00-0062		<b>Metal Halide, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> (26 51 23)		
26 51 23 00-0063	EA	75 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	191.94	61.66
		<i>For Wall Mounted, Add</i> .....	6.30	
26 51 23 00-0064	EA	100 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	197.03	61.66
		<i>For Wall Mounted, Add</i> .....	6.30	
26 51 23 00-0065	EA	150 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	207.36	61.66
		<i>For Wall Mounted, Add</i> .....	6.30	
26 51 23 00-0066	EA	175 Watt Metal Halide, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	222.90	61.66
		<i>For Wall Mounted, Add</i> .....	6.30	
26 51 23 00-0067		<b>High Pressure Sodium, Wet Location, Dust Resistant, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixtures</b> (26 51 23)		
26 51 23 00-0068	EA	70 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	179.83	61.66
		<i>For Wall Mounted, Add</i> .....	6.67	
26 51 23 00-0069	EA	100 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	186.15	61.66
		<i>For Wall Mounted, Add</i> .....	6.67	
26 51 23 00-0070	EA	150 Watt High Pressure Sodium, Ceiling Mounted, Cast Metal Guard, Enclosed And Gasketed, Vapor Tight Fixture .....	210.58	61.66
		<i>For Wall Mounted, Add</i> .....	6.67	
<b>26 51 33</b>		<b>Interior Lighting Accessories</b> (26 51)		
26 51 33 00-0001		<b>Accessories And Modifiers For Fixtures</b> (26 51 33)		
26 51 33 00-0002		<b>Lens Modifications</b> (26 51 33 00-0001)		
26 51 33 00-0003	EA	For 1' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add .....	38.47	
26 51 33 00-0004	EA	For 1' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add .....	47.52	
26 51 33 00-0005	EA	For 2' x 2' Drop Dish Diffuser Instead Of Prismatic Lens, Add .....	49.78	
26 51 33 00-0006	EA	For 2' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add .....	54.30	
26 51 33 00-0007	EA	For 4' x 4' Drop Dish Diffuser Instead Of Prismatic Lens, Add .....	65.62	
26 51 33 00-0008	EA	For 1' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add .....	15.84	
26 51 33 00-0009	EA	For 1' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add .....	22.63	
26 51 33 00-0010	EA	For 2' x 2' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add .....	24.89	
26 51 33 00-0011	EA	For 2' x 4' Egg Crate/Cube Louvers Instead Of Prismatic Lens, Add .....	29.42	
26 51 33 00-0012		<b>Pendant Mounting Modifications</b> (26 51 33 00-0001)		
		Note: Per pendant. Use demolition cost for associated light fixture for demolition of pendant mounted light fixture assembly.		
26 51 33 00-0013	EA	For Pendant Mounting Up to 1'-6" Long Section .....	17.20	
		Note: Per pendant.		
26 51 33 00-0014	EA	For Pendant Mounting 2' Long Section .....	19.91	
		Note: Per pendant.		
26 51 33 00-0015	EA	For Pendant Mounting 3' Long Section .....	25.48	
		Note: Per pendant.		
26 51 33 00-0016	EA	For Pendant Mounting 4' Long Section .....	30.09	
		Note: Per pendant.		
26 51 33 00-0017	EA	For Pendant Mounting 6' Long Section .....	38.01	
		Note: Per pendant.		
26 51 33 00-0018	EA	For Pendant Mounting 8' Long Section .....	51.59	
		Note: Per pendant.		
26 51 33 00-0019		<b>Lighting Accessories</b> (26 51 33)		
26 51 33 00-0020		<b>Modular Flexible Wiring Systems</b> (26 51 33 00-0019)		
26 51 33 00-0021	EA	10' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-10) .....	110.93	8.32
26 51 33 00-0022	EA	15' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-15) .....	129.11	8.32
26 51 33 00-0023	EA	20' Length, 2-Circuit, Modular Power Cable (Day-Brite PC-12-2E-20) .....	155.42	8.32
26 51 33 00-0024	EA	15' Length, 2-Circuit, Modular Lighting Cable (Day-Brite LC-27-2E-15) .....	129.11	8.32
26 51 33 00-0025	EA	3 Out, 3-Circuit, Modular Lighting Interface (Day-Brite LI-27-3E) .....	112.28	8.32
26 51 33 00-0026	EA	13' Length, 2-Circuit, Modular Reddy-Connect Cable (Day-Brite RC-27-2D-13) .....	165.28	8.32
26 51 33 00-0027	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-7M) .....	91.53	8.32
26 51 33 00-0028	EA	3" Length, 2-Circuit, Modular Lighting Tap (Day-Brite LT-27-2E) .....	103.25	8.32
26 51 33 00-0029	EA	7' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-07) .....	131.64	8.32
26 51 33 00-0030	EA	7' Length, 1-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-ML-07) .....	131.64	8.32
26 51 33 00-0031	EA	7' Length, 2-Circuit Multi-Level, Modular Lighting Switch Unit (Day-Brite LS-27-2C-07) .....	133.84	8.32
26 51 33 00-0032	EA	7' Length, 1st 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3A-07) .....	133.03	8.32
26 51 33 00-0033	EA	7' Length, 2nd 3-Way, Modular Lighting Switch Unit (Day-Brite LS-27-3B-07) .....	133.03	8.32
26 51 33 00-0034	EA	15' Length, Single Level, Modular Lighting Switch Unit (Day-Brite LS-27-SL-15) .....	152.76	8.32
26 51 33 00-0035	EA	3" Length, 2-Circuit, Modular Lighting Adapter (Day-Brite LA-27-4D) .....	70.69	8.32
26 51 33 00-0036	EA	3" Length, 1-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-1E) .....	66.09	8.32
26 51 33 00-0037	EA	3" Length, 2-Circuit, Modular Lighting Distribution Cable (Day-Brite LD-27-2E) .....	67.69	8.32
26 51 33 00-0038	EA	3" Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E) .....	84.76	8.32
26 51 33 00-0039	EA	15' Length, 1-Circuit, Modular Lighting Tap (Day-Brite LT-27-1E-15) .....	110.93	8.32
26 51 33 00-0040	EA	15' Length, 1-Circuit, Modular Lighting Cable (Day-Brite LC-27-1E-15) .....	113.71	8.32

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 51 33 00-0041	EA		Modular Lighting Junction Or Circuit Splitter (Day-Brite LJ-27-3E).....	89.00	8.32
26 51 33 00-0042	EA		3" Length, 1-Circuit, Modular Power Distribution Cable (Day-Brite PD-12-1E).....	66.09	8.32
26 51 33 00-0043	EA		Removal And Reinstallation Of Modular Wiring Complete Including Storage And Cleaning .....	69.36	

**26 51 33 00-0044 Additional Lighting Wire Whips (26 51 33)**

26 51 33 00-0045	LF		For Each Additional LF Of Interior Lighting Wire Whip, Add.....	1.89	
Note: Wire whips are included with interior lighting fixtures, where necessary, up to six feet in length. Use this task for additional required whip length. For example, if the fixture requires a 15' wire whip then use 9 LF of this task to reach required length.					

**26 51 33 00-0046 Removal And Reinstallation Of Light Fixtures (26 51 33)**

Note: Includes disconnection of wire, on-site storage, general cleaning, installation and electrical wire hook-up.					
26 51 33 00-0047	EA		Removal And Reinstallation Of Lay-In Fluorescent Light Fixture.....	164.06	
26 51 33 00-0048	EA		Removal And Reinstallation Of Surface Mounted Or Pendant Light Fixture.....	187.49	

**26 52 Safety Lighting (26 50)**

**26 52 13 Emergency and Exit Lighting (26 52)**

**26 52 13 13 Emergency Lighting (26 52 13)**

**26 52 13 13-0001 Commercial Emergency Lights (26 52 13 13)**

**26 52 13 13-0002 Polycarbonate Housing, Commercial Emergency Lights (26 52 13 13-0001)**

Note: Includes lead-calcium batteries and two adjustable lamp heads.					
26 52 13 13-0003	EA		3 Max Wattage At 90 Minutes, 3.6 Volt, Polycarbonate Housing, LED Lamps, Commercial Emergency Light (Lithonia ELM2 LED) .....	266.90	38.54
26 52 13 13-0004	EA		10.8 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM2).....	187.12	38.54
For Halogen Lamps, Add				27.55	
For Self-Diagnostics, Add				87.50	
26 52 13 13-0005	EA		18 Max Wattage At 90 Minutes, 6 Volt, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM618).....	291.52	38.54
For Halogen Lamps, Add				27.55	
For Self-Diagnostics, Add				87.50	
26 52 13 13-0006	EA		27 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM627) .....	338.79	38.54
For Halogen Lamps, Add				27.55	
For Self-Diagnostics, Add				87.50	
26 52 13 13-0007	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM654) .....	501.23	38.54
For Halogen Lamps, Add				27.55	
For Self-Diagnostics, Add				87.50	
26 52 13 13-0008	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1254) .....	567.17	38.54
For Halogen Lamps, Add				27.55	
For Self-Diagnostics, Add				87.50	
26 52 13 13-0009	EA		72 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Polycarbonate Housing, Krypton Lamps, Commercial Emergency Light (Lithonia ELM1272) .....	824.06	38.54
For Halogen Lamps, Add				27.55	
For Self-Diagnostics, Add				87.50	

**26 52 13 13-0010 Remote Heads For Commercial Emergency Lights (26 52 13 13-0001)**

Note: For use with fixtures that have remote capability.					
26 52 13 13-0011	EA		6 Watt, 6 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H0606).....	179.98	23.12
26 52 13 13-0012	EA		6 Watt, 6 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0606).....	181.17	23.12
26 52 13 13-0013	EA		8 Watt, 8 Volt, Gasketed Fiberglass Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA NX H0806).....	185.16	23.12
26 52 13 13-0014	EA		12 Watt, 12 Volt, Aluminum Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA MT H1212).....	184.51	23.12
26 52 13 13-0015	EA		12 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H1212) .....	160.03	23.12
26 52 13 13-0016	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	111.41	23.12

**26 52 13 13-0017 Industrial Emergency Lights (26 52 13 13)**

**26 52 13 13-0018 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0017)**

**26 52 13 13-0019 Painted Steel Housing, Industrial Emergency Lights (26 52 13 13-0018)**

Note: Includes lead-calcium batteries and two adjustable lamp heads.					
26 52 13 13-0020	EA		16 Max Wattage At 90 Minutes, 6 Volt, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT16).....	465.35	38.54
For Wireguard, Add				233.62	
26 52 13 13-0021	EA		24 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT24) .....	391.58	38.54
For Wireguard, Add				233.62	
26 52 13 13-0022	EA		36 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT36) .....	607.18	38.54
For Wireguard, Add				233.62	
26 52 13 13-0023	EA		50 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT50).....	644.39	38.54
For Wireguard, Add				233.62	

**26 Electrical**

**26 50 Lighting**

**26 52 Safety Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 52 13 13-0024	EA		125 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT125).....	917.27	38.54
			<i>For Wireguard, Add</i>	248.82	
26 52 13 13-0025	EA		275 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Painted Steel Housing, Incandescent Lamps, Industrial Emergency Light (Lithonia ELT275).....	1,439.29	38.54
			<i>For Wireguard, Add</i>	248.82	
<b>26 52 13 13-0026</b>			<b>Remote Heads For Painted Steel Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0018)</small>		
			<small>Note: For use with fixtures that have remote capability.</small>		
26 52 13 13-0027	EA		8 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N0806).....	139.43	23.12
			<i>For Wireguard, Add</i>	188.53	
26 52 13 13-0028	EA		12 Watt, 6 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1206).....	144.07	23.12
			<i>For Wireguard, Add</i>	188.53	
26 52 13 13-0029	EA		8 Watt, 12 Volt, Thermoplastic Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA H0812).....	140.07	23.12
			<i>For Wireguard, Add</i>	188.53	
26 52 13 13-0030	EA		12 Watt, 12 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N1212).....	140.83	23.12
			<i>For Wireguard, Add</i>	188.53	
26 52 13 13-0031	EA		12 Watt, 25 Volt, Thermoplastic Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA N2512).....	144.07	23.12
			<i>For Wireguard, Add</i>	188.53	
26 52 13 13-0032	EA		12 Watt, 25 Volt, Aluminum Housing, Incandescent Lamp, Emergency Light Remote Head (Lithonia ELA MT N2512).....	167.58	23.12
			<i>For Wireguard, Add</i>	188.53	
<b>26 52 13 13-0033</b>			<b>Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0017)</small>		
<b>26 52 13 13-0034</b>			<b>Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
			<small>Note: Includes lead-calcium batteries and two adjustable lamp heads.</small>		
26 52 13 13-0035	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND618).....	459.42	38.54
			<i>For Wireguard, Add</i>	227.14	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0036	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1236).....	498.79	38.54
			<i>For Wireguard, Add</i>	227.14	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0037	EA		54 Max Wattage At 90 Minutes, 6 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND654).....	488.00	38.54
			<i>For Wireguard, Add</i>	227.14	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0038	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND1254).....	515.50	38.54
			<i>For Wireguard, Add</i>	227.14	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0039	EA		100 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Light (Lithonia IND12100).....	863.88	38.54
			<i>For Wireguard, Add</i>	227.14	
			<i>For Self-Diagnostics, Add</i>	105.50	
26 52 13 13-0040	EA		18 Max Wattage At 90 Minutes, 6 Volt, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX618).....	679.99	38.54
			<i>For Wireguard, Add</i>	227.14	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0041	EA		36 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1236).....	760.88	38.54
			<i>For Wireguard, Add</i>	227.14	
			<i>For Self-Diagnostics, Add</i>	61.50	
26 52 13 13-0042	EA		54 Max Wattage At 90 Minutes, 12 Volt, Remote Capability, Krypton Lamps, NEMA 4X, Rugged Injection-Molded Thermoplastic Housing, Harsh Environment Industrial Emergency Light (Lithonia INDX1254).....	801.86	38.54
			<i>For Wireguard, Add</i>	227.14	
			<i>For Self-Diagnostics, Add</i>	61.50	
<b>26 52 13 13-0043</b>			<b>Remote Heads For Rugged Injection-Molded Thermoplastic Housing, Industrial Emergency Lights</b> <small>(26 52 13 13-0033)</small>		
			<small>Note: For use with fixtures that have remote capability.</small>		
26 52 13 13-0044	EA		9 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0906).....	121.63	23.12
26 52 13 13-0045	EA		12 Watt, 6 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1206).....	131.01	23.12
26 52 13 13-0046	EA		9 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Krypton Lamp, Emergency Light Remote Head (Lithonia ELA IND K0912).....	121.74	23.12
26 52 13 13-0047	EA		12 Watt, 12 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H1212).....	128.64	23.12
26 52 13 13-0048	EA		12 Watt, 20 Volt, Heavyweight Polycarbonate Housing, Halogen Lamp, Emergency Light Remote Head (Lithonia ELA IND H2012).....	110.91	23.12
<b>26 52 13 13-0049</b>			<b>Outdoor Emergency Lights</b> <small>(26 52 13 13)</small>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 52 13 13-0050			<b>Gasketed Die-Cast Aluminum Housing, Outdoor Emergency Lights</b> <small>(26 52 13 13-0049)</small> Note: Includes nickel-cadmium batteries.		
26 52 13 13-0051	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light (Dual-Lite PG Series).....	719.35	38.54
26 52 13 13-0052	EA		10 Max Wattage At 90 Minutes, LED Lamps, Gasketed Aluminum Die-Cast Housing, Outdoor Emergency Light With Heater (Dual-Lite PG Series).....	856.87	38.54
26 52 13 13-0053			<b>Recessed Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13 13-0054	EA		10 Watt At 90 Minutes, 6 Volt, Halogen Lamp, 8" Round, Recessed High-Hat Emergency Light (Lithonia ELRG).....	782.62	38.54
			<i>For Wire Guard, Add</i> .....	60.00	
26 52 13 13-0055	EA		16 Max Wattage At 90 Minutes, 6 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR2).....	628.95	77.07
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i> .....	248.82	
26 52 13 13-0056	EA		50 Max Wattage At 90 Minutes, 12 Volt, 12" x 12" Polycarbonate Housing, Glass Sealed-Beam Lamps, Recessed Emergency Light (Lithonia ELR4).....	895.47	77.07
			Note: Includes lead-calcium batteries and two adjustable lamp heads.		
			<i>For Wireguard, Add</i> .....	248.82	
26 52 13 13-0057			<b>Square Wraparound Emergency Lights</b> <small>(26 52 13 13)</small>		
26 52 13 13-0058	EA		10 Max Wattage At 90 Minutes, 6 Volt, Halogen Lamp, 10-5/16" x 10-5/16" Lexan Frame, Square Wraparound Emergency Light (Lithonia ELSQ).....	362.26	38.54
26 52 13 16			<b>Exit Signs</b> <small>(26 52 13)</small> Note: Excludes pendants.		
26 52 13 16-0001			<b>LED Exit Signs</b> <small>(26 52 13 16)</small> Note: Includes red LED lamps.		
26 52 13 16-0002	EA		Single Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	221.75	56.34
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-8.36	
			<i>For &gt;100 To 250, Deduct</i> .....	-13.90	
			<i>For &gt;250 To 500, Deduct</i> .....	-22.18	
			<i>For &gt;500, Deduct</i> .....	-30.45	
26 52 13 16-0003	EA		Double Face, Thermoplastic Housing, LED Exit Sign (Lithonia LQM-S-W-3-R-120/277-M6).....	221.75	56.34
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-8.36	
			<i>For &gt;100 To 250, Deduct</i> .....	-13.90	
			<i>For &gt;250 To 500, Deduct</i> .....	-22.18	
			<i>For &gt;500, Deduct</i> .....	-30.45	
26 52 13 16-0004	EA		Single Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM-S-W-3-R-120/277-EL-N-M6).....	303.33	56.34
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For Self-Diagnostics, Add</i> .....	50.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-10.40	
			<i>For &gt;100 To 250, Deduct</i> .....	-17.98	
			<i>For &gt;250 To 500, Deduct</i> .....	-30.33	
			<i>For &gt;500, Deduct</i> .....	-42.68	
26 52 13 16-0005	EA		Double Face, Thermoplastic Housing, LED Exit Sign With Battery Back-Up (Lithonia LQM ELN).....	303.33	56.34
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For Self-Diagnostics, Add</i> .....	50.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-10.40	
			<i>For &gt;100 To 250, Deduct</i> .....	-17.98	
			<i>For &gt;250 To 500, Deduct</i> .....	-30.33	
			<i>For &gt;500, Deduct</i> .....	-42.68	
26 52 13 16-0006	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-1-R).....	332.49	56.34
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-11.13	
			<i>For &gt;100 To 250, Deduct</i> .....	-19.44	
			<i>For &gt;250 To 500, Deduct</i> .....	-33.25	
			<i>For &gt;500, Deduct</i> .....	-47.06	
26 52 13 16-0007	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign (Lithonia LQC-W-2-R).....	375.01	56.34
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-12.19	
			<i>For &gt;100 To 250, Deduct</i> .....	-21.57	
			<i>For &gt;250 To 500, Deduct</i> .....	-37.50	
			<i>For &gt;500, Deduct</i> .....	-53.43	
26 52 13 16-0008	EA		Single Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-1-R-EL-N).....	314.71	56.34
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For Self-Diagnostics, Add</i> .....	50.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-10.68	
			<i>For &gt;100 To 250, Deduct</i> .....	-18.55	
			<i>For &gt;250 To 500, Deduct</i> .....	-31.47	
			<i>For &gt;500, Deduct</i> .....	-44.39	
26 52 13 16-0009	EA		Double Face, Die-Cast Aluminum Housing, LED Exit Sign With Battery Back-Up (Lithonia LQC-W-2-R-EL-N).....	345.58	56.34
			<i>For Green LED Lamps, Add</i> .....	15.00	
			<i>For Self-Diagnostics, Add</i> .....	50.00	
			<i>For &gt;50 To 100, Deduct</i> .....	-11.46	
			<i>For &gt;100 To 250, Deduct</i> .....	-20.10	
			<i>For &gt;250 To 500, Deduct</i> .....	-34.56	
			<i>For &gt;500, Deduct</i> .....	-49.02	

**26 Electrical****26 50 Lighting****26 52 Safety Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 52 13 16-0010	EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-S-W-3-R-M4).....	402.17	56.34
	Note: Includes two circular side mounted krypton emergency lights.		
	For Green LED Lamps, Add	15.00	
	For >50 To 100, Deduct	-13.91	
	For >100 To 250, Deduct	-23.96	
	For >250 To 500, Deduct	-40.22	
	For >500, Deduct	-56.47	
26 52 13 16-0011	EA Single Face, Thermoplastic Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Lithonia LHQM-LED-R-M6).....	346.31	56.34
	Note: Includes two circular side mounted LED emergency lights.		
	For Green LED Lamps, Add	15.00	
	For >50 To 100, Deduct	-12.51	
	For >100 To 250, Deduct	-21.17	
	For >250 To 500, Deduct	-34.63	
	For >500, Deduct	-48.09	
26 52 13 16-0012	EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM-PH).....	498.47	56.34
	Note: Includes two rectangular front mounted high intensity tungsten emergency lights.		
	For Green LED Lamps, Add	15.00	
	For >50 To 100, Deduct	-16.32	
	For >100 To 250, Deduct	-28.78	
	For >250 To 500, Deduct	-49.85	
	For >500, Deduct	-70.92	
26 52 13 16-0013	EA Single Face, Powder Coated Steel Housing, LED Exit Sign/Emergency Light Combo With Battery Back-Up (Big Beam COM).....	520.88	56.34
	Note: Includes two circular side mounted PAR 36 emergency lights.		
	For Green LED Lamps, Add	15.00	
	For >50 To 100, Deduct	-16.88	
	For >100 To 250, Deduct	-29.90	
	For >250 To 500, Deduct	-52.09	
	For >500, Deduct	-74.28	
26 52 13 16-0014	EA Single Or Double Face, Polycarbonate Housing, LED Emergency Exit Sign (Eaton Lighting APX6R).....	153.03	56.34
	For >50 To 100, Deduct	-6.64	
	For >100 To 250, Deduct	-10.47	
	For >250 To 500, Deduct	-15.30	
	For >500, Deduct	-20.14	
26 52 13 16-0015	EA 120-277 Volt, LED Emergency Exit Sign With Nickel Cadmium Battery, Red (Cooper Industries APX7R).....	153.55	56.34
	For >50 To 100, Deduct	-6.66	
	For >100 To 250, Deduct	-10.49	
	For >250 To 500, Deduct	-15.36	
	For >500, Deduct	-20.22	
26 52 13 16-0016	<b>Edge-Lit LED Exit Signs</b> <small>(26 52 13 16)</small>		
	Note: Includes red LED lamps.		
26 52 13 16-0017	EA Single Face, Edge-Lit LED Exit Sign (Lithonia EDG-1- R-M6).....	298.15	56.34
	For Green LED Lamps, Add	40.00	
	For >50 To 100, Deduct	-10.27	
	For >100 To 250, Deduct	-17.72	
	For >250 To 500, Deduct	-29.82	
	For >500, Deduct	-41.91	
26 52 13 16-0018	EA Double Face, Edge-Lit LED Exit Sign (Lithonia EDG-2-R-M6).....	301.09	56.34
	For Green LED Lamps, Add	40.00	
	For >50 To 100, Deduct	-10.34	
	For >100 To 250, Deduct	-17.87	
	For >250 To 500, Deduct	-30.11	
	For >500, Deduct	-42.35	
26 52 13 16-0019	EA Single Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-1-R-EL-M6).....	321.01	56.34
	For Green LED Lamps, Add	40.00	
	For Self-Diagnostics, Add	50.00	
	For >50 To 100, Deduct	-10.84	
	For >100 To 250, Deduct	-18.87	
	For >250 To 500, Deduct	-32.10	
	For >500, Deduct	-45.33	
26 52 13 16-0020	EA Double Face, Edge-Lit LED Exit Sign With Battery Back-Up (Lithonia EDG-2-R-EL-M6).....	380.55	56.34
	For Green LED Lamps, Add	40.00	
	For Self-Diagnostics, Add	50.00	
	For >50 To 100, Deduct	-12.33	
	For >100 To 250, Deduct	-21.84	
	For >250 To 500, Deduct	-38.06	
	For >500, Deduct	-54.27	
26 52 13 16-0021	<b>Self-Luminous Tritium Exit Signs</b> <small>(26 52 13 16)</small>		
	Note: Includes red or green tritium filled pyrex glass light tubes with phosphor coating.		
26 52 13 16-0022	EA 10 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-10-R).....	617.45	56.34
	For >50 To 100, Deduct	-18.25	
	For >100 To 250, Deduct	-33.69	
	For >250 To 500, Deduct	-61.75	
	For >500, Deduct	-89.80	
26 52 13 16-0023	EA 10 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-10-R).....	1,121.67	56.34
	For >50 To 100, Deduct	-30.86	
	For >100 To 250, Deduct	-58.90	
	For >250 To 500, Deduct	-112.17	
	For >500, Deduct	-165.43	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Safety Lighting</b>	<b>26 52</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 52 13 16-0024	EA		20 Year, Single Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-S-20-R).....	732.31	56.34
			<i>For &gt;50 To 100, Deduct</i>	-21.12	
			<i>For &gt;100 To 250, Deduct</i>	-39.43	
			<i>For &gt;250 To 500, Deduct</i>	-73.23	
			<i>For &gt;500, Deduct</i>	-107.03	
26 52 13 16-0025	EA		20 Year, Double Face, Acrylonitrile Butadiene Styrene (ABS) Housing, Self-Luminous Tritium Exit Sign (Isolite SLX-60-D-20-R).....	1,213.89	56.34
			<i>For &gt;50 To 100, Deduct</i>	-33.16	
			<i>For &gt;100 To 250, Deduct</i>	-63.51	
			<i>For &gt;250 To 500, Deduct</i>	-121.39	
			<i>For &gt;500, Deduct</i>	-179.27	
26 52 13 16-0026	EA		10 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-10-R).....	674.61	56.34
			<i>For &gt;50 To 100, Deduct</i>	-19.68	
			<i>For &gt;100 To 250, Deduct</i>	-36.55	
			<i>For &gt;250 To 500, Deduct</i>	-67.46	
			<i>For &gt;500, Deduct</i>	-98.37	
26 52 13 16-0027	EA		10 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-10-R).....	1,213.89	56.34
			<i>For &gt;50 To 100, Deduct</i>	-33.16	
			<i>For &gt;100 To 250, Deduct</i>	-63.51	
			<i>For &gt;250 To 500, Deduct</i>	-121.39	
			<i>For &gt;500, Deduct</i>	-179.27	
26 52 13 16-0028	EA		20 Year, Single Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-01-20-R).....	823.99	56.34
			<i>For &gt;50 To 100, Deduct</i>	-23.42	
			<i>For &gt;100 To 250, Deduct</i>	-44.02	
			<i>For &gt;250 To 500, Deduct</i>	-82.40	
			<i>For &gt;500, Deduct</i>	-120.78	
26 52 13 16-0029	EA		20 Year, Double Face, Aluminum Housing, Self-Luminous Tritium Exit Sign (Isolite 2040-07-20-R).....	1,502.94	56.34
			<i>For &gt;50 To 100, Deduct</i>	-40.39	
			<i>For &gt;100 To 250, Deduct</i>	-77.96	
			<i>For &gt;250 To 500, Deduct</i>	-150.29	
			<i>For &gt;500, Deduct</i>	-222.62	
<b>26 52 13 16-0030</b>			<b>Vandal-Resistant LED Exit Signs</b> (26 52 13 16)		
			Note: Includes red LED lamps.		
26 52 13 16-0031	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign (Lithonia LV-S-W-1-R-120/277).....	583.47	56.34
			<i>For &gt;50 To 100, Deduct</i>	-17.40	
			<i>For &gt;100 To 250, Deduct</i>	-31.99	
			<i>For &gt;250 To 500, Deduct</i>	-58.35	
			<i>For &gt;500, Deduct</i>	-84.70	
26 52 13 16-0032	EA		Single Face, Aluminum Housing, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-W-1-R-120/277-EL-N).....	895.71	56.34
			<i>For &gt;50 To 100, Deduct</i>	-25.21	
			<i>For &gt;100 To 250, Deduct</i>	-47.60	
			<i>For &gt;250 To 500, Deduct</i>	-89.57	
			<i>For &gt;500, Deduct</i>	-131.54	
26 52 13 16-0033	EA		Single Face, Aluminum Housing, NEMA 4X, Vandal-Resistant/Wet Location, LED Exit Sign With Battery Backup (Lithonia LV-S-1-R-120/277-EL-N-UM-4X).....	1,087.16	56.34
			<i>For &gt;50 To 100, Deduct</i>	-30.00	
			<i>For &gt;100 To 250, Deduct</i>	-57.18	
			<i>For &gt;250 To 500, Deduct</i>	-108.72	
			<i>For &gt;500, Deduct</i>	-160.26	
<b>26 52 13 16-0034</b>			<b>Removal And Reinstallation Of Exit Light Fixture</b> (26 52 13 16)		
26 52 13 16-0035	EA		Removal And Reinstall Of Exit Light Fixtures.....	115.61	
			Note: Includes storage and cleaning.		
			<i>For &gt;50 To 100, Deduct</i>	-5.78	
			<i>For &gt;100 To 250, Deduct</i>	-8.67	
			<i>For &gt;250 To 500, Deduct</i>	-11.56	
			<i>For &gt;500, Deduct</i>	-14.45	
<b>26 52 13 16-0036</b>			<b>Exit Sign Accessories</b> (26 52 13 16)		
26 52 13 16-0037	EA		Polycarbonate Vandal Shield For Exit Signs (Radiant-Lite BG-1).....	138.72	15.44
			<i>For &gt;50 To 100, Deduct</i>	-4.24	
			<i>For &gt;100 To 250, Deduct</i>	-7.71	
			<i>For &gt;250 To 500, Deduct</i>	-13.87	
			<i>For &gt;500, Deduct</i>	-20.04	
26 52 13 16-0038	EA		Wire Guard For Exit Signs Or Emergency Lights (Best Lighting Products WG-1).....	82.91	15.44
			<i>For &gt;50 To 100, Deduct</i>	-2.85	
			<i>For &gt;100 To 250, Deduct</i>	-4.92	
			<i>For &gt;250 To 500, Deduct</i>	-8.29	
			<i>For &gt;500, Deduct</i>	-11.66	
26 52 13 16-0039	EA		Removal And Replacement Of Battery For Exit Signs.....	139.87	
			Note: Battery: nickel cadmium, 1.2 volt, 1 Ah battery capacity		
			<i>For &gt;50 To 100, Deduct</i>	-4.46	
			<i>For &gt;100 To 250, Deduct</i>	-7.96	
			<i>For &gt;250 To 500, Deduct</i>	-13.99	
			<i>For &gt;500, Deduct</i>	-20.02	

**26 54 Classified Location Lighting** (26 50)

**26 54 19 LED Classified Location Lighting** (26 54)

26 54 19 00-0001 Class I Division 2, Hazardous Location, LED Fixtures (26 54 19)

**26 Electrical**

**26 50 Lighting**

**26 54 Classified Location Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 54 19 00-0002	Class I Division 2, Hazardous Location, NEMA 4X, LED Floodlight (Cooper Champ® FMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, shatter resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0003	EA 5,183 Lumens, 45 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV5L).....	2,625.91	126.74
	For Bolt-On Visor, Add	98.76	
	For Bolt-On Wire Guard, Add	203.13	
	For 480 Volt, Add	173.91	
	For Warm White Color Rendering, Add	73.84	
	For >50 To 100, Deduct	-70.93	
	For >100 To 250, Deduct	-136.58	
	For >250 To 500, Deduct	-262.59	
	For >500, Deduct	-388.61	
26 54 19 00-0004	EA 7,095 Lumens, 62 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV7L).....	3,208.88	135.19
	For Bolt-On Visor, Add	98.76	
	For Bolt-On Wire Guard, Add	203.13	
	For 480 Volt, Add	173.91	
	For Warm White Color Rendering, Add	73.84	
	For >50 To 100, Deduct	-85.86	
	For >100 To 250, Deduct	-166.08	
	For >250 To 500, Deduct	-320.89	
	For >500, Deduct	-475.70	
26 54 19 00-0005	EA 9,132 Lumens, 79 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV9L).....	3,621.22	143.64
	For Bolt-On Visor, Add	98.76	
	For Bolt-On Wire Guard, Add	203.13	
	For 480 Volt, Add	173.91	
	For Warm White Color Rendering, Add	73.84	
	For >50 To 100, Deduct	-96.52	
	For >100 To 250, Deduct	-187.05	
	For >250 To 500, Deduct	-362.12	
	For >500, Deduct	-537.20	
26 54 19 00-0006	EA 11,107 Lumens, 99 Watt, Yoke Mount, Class I Division 2, NEMA 4X, 7 x 6 Optic, Glass Lens, LED Floodlight (Cooper Champ® FMV11L).....	4,044.91	152.09
	For Bolt-On Visor, Add	98.76	
	For Bolt-On Wire Guard, Add	203.13	
	For 480 Volt, Add	173.91	
	For Warm White Color Rendering, Add	73.84	
	For >50 To 100, Deduct	-107.46	
	For >100 To 250, Deduct	-208.58	
	For >250 To 500, Deduct	-404.49	
	For >500, Deduct	-600.40	
26 54 19 00-0007	Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0008	EA 1,600 Lumens, 25 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Vaporgard™ V2LC).....	1,567.99	118.29
	For 12/24 Volt DC Driver, Add	28.07	
	For Frosted Lens, Add	57.36	
	For Warm White Color Temperature LEDs, Add	73.84	
	For 55 Degree Ambient Suitability (AC Only) Option, Add	38.21	
	For Stanchion Mount, Add	236.62	
	For Ceiling Mount, Add	94.88	
	For Wall Mount, Add	138.51	
	For Teflon Coated Lens, Add	121.74	
	For Wall Mount With Junction Box, Add	202.23	
	For >50 To 100, Deduct	-44.13	
	For >100 To 250, Deduct	-83.33	
	For >250 To 500, Deduct	-156.80	
	For >500, Deduct	-230.27	
26 54 19 00-0009	Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV) <small>(26 54 19 00-0001)</small> Note: Includes 5,600K CRI LED arrays, heat and impact resistant glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0010	EA 3,240 Lumens, 47 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV3L).....	2,467.80	118.29
	For Ceiling Mount, Add	18.16	
	For Quick Clip Mounting Option, Add	26.67	
	For Frosted Lens, Add	57.36	
	For Warm White Color Rendering, Add	73.84	
	For Polycarbonate Lens, Add	106.32	
	For 480 Volt, Add	173.91	
	For >50 To 100, Deduct	-66.62	
	For >100 To 250, Deduct	-128.32	
	For >250 To 500, Deduct	-246.78	
	For >500, Deduct	-365.24	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0011	EA		3,778 Lumens, 63 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV5L).....	2,731.78	126.74
			<i>For Ceiling Mount, Add</i>	18.16	
			<i>For Quick Clip Mounting Option, Add</i>	26.67	
			<i>For Frosted Lens, Add</i>	57.36	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For Polycarbonate Lens, Add</i>	106.32	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For &gt;50 To 100, Deduct</i>	-73.58	
			<i>For &gt;100 To 250, Deduct</i>	-141.87	
			<i>For &gt;250 To 500, Deduct</i>	-273.18	
			<i>For &gt;500, Deduct</i>	-404.49	
26 54 19 00-0012	EA		6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV7L).....	3,058.48	135.19
			<i>For Ceiling Mount, Add</i>	18.16	
			<i>For Quick Clip Mounting Option, Add</i>	26.67	
			<i>For Frosted Lens, Add</i>	57.36	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For Polycarbonate Lens, Add</i>	106.32	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For &gt;50 To 100, Deduct</i>	-82.10	
			<i>For &gt;100 To 250, Deduct</i>	-158.56	
			<i>For &gt;250 To 500, Deduct</i>	-305.85	
			<i>For &gt;500, Deduct</i>	-453.14	
26 54 19 00-0013	EA		6,340 Lumens, 98 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV9L).....	3,973.36	143.64
			<i>For Ceiling Mount, Add</i>	18.16	
			<i>For Quick Clip Mounting Option, Add</i>	26.67	
			<i>For Frosted Lens, Add</i>	57.36	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For Polycarbonate Lens, Add</i>	106.32	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For &gt;50 To 100, Deduct</i>	-105.32	
			<i>For &gt;100 To 250, Deduct</i>	-204.65	
			<i>For &gt;250 To 500, Deduct</i>	-397.34	
			<i>For &gt;500, Deduct</i>	-590.02	
26 54 19 00-0014	EA		9,720 Lumens, 137 Watt, Pendant Mount, Class I Division 2, Hazardous Location, NEMA 4X, LED Fixture (Cooper Champ® VMV11L).....	4,554.23	152.09
			<i>For Ceiling Mount, Add</i>	18.16	
			<i>For Quick Clip Mounting Option, Add</i>	26.67	
			<i>For Frosted Lens, Add</i>	57.36	
			<i>For Warm White Color Rendering, Add</i>	73.84	
			<i>For Polycarbonate Lens, Add</i>	106.32	
			<i>For 480 Volt, Add</i>	173.91	
			<i>For &gt;50 To 100, Deduct</i>	-120.19	
			<i>For &gt;100 To 250, Deduct</i>	-234.05	
			<i>For &gt;250 To 500, Deduct</i>	-455.42	
			<i>For &gt;500, Deduct</i>	-676.80	
26 54 19 00-0015			Class I Division 1, Explosion Proof, LED Fixtures <small>(26 54 19)</small>		
26 54 19 00-0016			Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL) <small>(26 54 19 00-0015)</small>		
			Note: Includes 5,600K CRI LED arrays, shatter resistant and explosion proof glass lens, silicone gaskets, stainless steel external hardware and powder coated aluminum housing.		
26 54 19 00-0017	EA		5,625 Lumens, 80 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL5L).....	4,505.42	126.74
			<i>For Wall Mount, Deduct</i>	-17.16	
			<i>For Warm Color Temperature LEDs, Add</i>	92.41	
			<i>For Stainless Steel Guard, Add</i>	165.88	
			<i>For Ceiling Mount, Add</i>	200.11	
			<i>For Stanchion Mount, Add</i>	232.89	
			<i>For Yoke Mount, Add</i>	582.23	
			<i>For &gt;50 To 100, Deduct</i>	-117.92	
			<i>For &gt;100 To 250, Deduct</i>	-230.55	
			<i>For &gt;250 To 500, Deduct</i>	-450.54	
			<i>For &gt;500, Deduct</i>	-670.53	
26 54 19 00-0018	EA		6,750 Lumens, 100 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL7L).....	5,476.10	135.19
			<i>For Wall Mount, Deduct</i>	-17.16	
			<i>For Warm Color Temperature LEDs, Add</i>	92.41	
			<i>For Stainless Steel Guard, Add</i>	165.88	
			<i>For Ceiling Mount, Add</i>	200.11	
			<i>For Stanchion Mount, Add</i>	232.89	
			<i>For Yoke Mount, Add</i>	582.23	
			<i>For &gt;50 To 100, Deduct</i>	-142.54	
			<i>For &gt;100 To 250, Deduct</i>	-279.44	
			<i>For &gt;250 To 500, Deduct</i>	-547.61	
			<i>For &gt;500, Deduct</i>	-815.78	



**26 Electrical**

**26 50 Lighting**

**26 54 Classified Location Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 54 19 00-0019	EA		9,000 Lumens, 130 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL9L).....	6,359.92	143.64
			<i>For Wall Mount, Deduct</i>	-17.16	
			<i>For Warm Color Temperature LEDs, Add</i>	92.41	
			<i>For Stainless Steel Guard, Add</i>	165.88	
			<i>For Ceiling Mount, Add</i>	200.11	
			<i>For Stanchion Mount, Add</i>	232.89	
			<i>For Yoke Mount, Add</i>	582.23	
			<i>For &gt;50 To 100, Deduct</i>	-164.98	
			<i>For &gt;100 To 250, Deduct</i>	-323.98	
			<i>For &gt;250 To 500, Deduct</i>	-635.99	
			<i>For &gt;500, Deduct</i>	-948.00	
26 54 19 00-0020	EA		10,500 Lumens, 151 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL11L).....	7,259.97	152.09
			<i>For Wall Mount, Deduct</i>	-17.16	
			<i>For Warm Color Temperature LEDs, Add</i>	92.41	
			<i>For Stainless Steel Guard, Add</i>	165.88	
			<i>For Ceiling Mount, Add</i>	200.11	
			<i>For Stanchion Mount, Add</i>	232.89	
			<i>For Yoke Mount, Add</i>	582.23	
			<i>For &gt;50 To 100, Deduct</i>	-187.84	
			<i>For &gt;100 To 250, Deduct</i>	-369.34	
			<i>For &gt;250 To 500, Deduct</i>	-726.00	
			<i>For &gt;500, Deduct</i>	-1,082.66	
26 54 19 00-0021	EA		13,500 Lumens, 175 Watt, Pendant Mount, Class I Division 1, Explosion Proof, NEMA 4X, High Bay/Low Bay, LED Fixture (Cooper Hazard Gard® EVLL13L).....	8,410.42	146.46
			<i>For Wall Mount, Deduct</i>	-17.16	
			<i>For Warm Color Temperature LEDs, Add</i>	92.41	
			<i>For Stainless Steel Guard, Add</i>	165.88	
			<i>For Ceiling Mount, Add</i>	200.11	
			<i>For Stanchion Mount, Add</i>	232.89	
			<i>For Yoke Mount, Add</i>	582.23	
			<i>For &gt;50 To 100, Deduct</i>	-216.95	
			<i>For &gt;100 To 250, Deduct</i>	-427.21	
			<i>For &gt;250 To 500, Deduct</i>	-841.04	
			<i>For &gt;500, Deduct</i>	-1,254.87	

**26 55 Special Purpose Lighting** (26 50)

**26 55 13 Landscape Lighting** (26 55)

**26 55 13 00-0001 Bollards** (26 55 13)

Note: Excludes concrete base.

**26 55 13 00-0002 Aluminum Architectural Bollards** (26 55 13 00-0001)

**26 55 13 00-0003 High Pressure Sodium, Aluminum Architectural Bollards** (26 55 13 00-0002)

**26 55 13 00-0004 Square, High Pressure Sodium, Aluminum Architectural Bollards** (26 55 13 00-0003)

26 55 13 00-0005	EA		24" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,670.18	131.02
26 55 13 00-0006	EA		30" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,685.60	138.73
26 55 13 00-0007	EA		36" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,701.01	146.44
26 55 13 00-0008	EA		42" Overall Height, 6-3/4" Square, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,580.45	154.14
26 55 13 00-0009	EA		24" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,670.18	131.02
26 55 13 00-0010	EA		30" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,685.60	138.73
26 55 13 00-0011	EA		36" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,701.01	146.44
26 55 13 00-0012	EA		42" Overall Height, 6-3/4" Square, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,580.45	154.14
26 55 13 00-0013	EA		24" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,670.18	131.02
26 55 13 00-0014	EA		30" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,685.60	138.73
26 55 13 00-0015	EA		36" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,701.01	146.44
26 55 13 00-0016	EA		42" Overall Height, 6-3/4" Square, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,580.45	154.14
26 55 13 00-0017	EA		24" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,670.18	131.02
26 55 13 00-0018	EA		30" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,685.60	138.73
26 55 13 00-0019	EA		36" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,701.01	146.44
26 55 13 00-0020	EA		42" Overall Height, 6-3/4" Square, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,580.45	154.14

**26 55 13 00-0021 Round, High Pressure Sodium, Aluminum Architectural Bollards** (26 55 13 00-0003)

26 55 13 00-0022	EA		24" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,607.74	131.02
26 55 13 00-0023	EA		30" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,623.16	138.73
26 55 13 00-0024	EA		36" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,638.57	146.44
26 55 13 00-0025	EA		42" Overall Height, 7" Diameter, 35 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,517.44	154.14
26 55 13 00-0026	EA		24" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,607.74	131.02
26 55 13 00-0027	EA		30" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,623.16	138.73
26 55 13 00-0028	EA		36" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,638.57	146.44
26 55 13 00-0029	EA		42" Overall Height, 7" Diameter, 50 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,517.44	154.14
26 55 13 00-0030	EA		24" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,607.74	131.02
26 55 13 00-0031	EA		30" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,623.16	138.73
26 55 13 00-0032	EA		36" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,638.57	146.44
26 55 13 00-0033	EA		42" Overall Height, 7" Diameter, 70 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,517.44	154.14
26 55 13 00-0034	EA		24" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,607.74	131.02
26 55 13 00-0035	EA		30" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,623.16	138.73
26 55 13 00-0036	EA		36" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,638.57	146.44
26 55 13 00-0037	EA		42" Overall Height, 7" Diameter, 100 Watt High Pressure Sodium, Aluminum Architectural Bollard .....	1,517.44	154.14

**26 55 13 00-0038 Metal Halide, Aluminum Architectural Bollards** (26 55 13 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 13 00-0039 Square, Metal Halide, Aluminum Architectural Bollards <small>(26 55 13 00-0038)</small>					
26 55 13 00-0040	EA	24"	Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	1,751.26	131.02
26 55 13 00-0041	EA	30"	Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	1,766.68	138.73
26 55 13 00-0042	EA	36"	Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	1,782.09	146.44
26 55 13 00-0043	EA	42"	Overall Height, 6-3/4" Square, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	1,660.96	154.14
26 55 13 00-0044	EA	24"	Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	1,751.26	131.02
26 55 13 00-0045	EA	30"	Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	1,766.68	138.73
26 55 13 00-0046	EA	36"	Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	1,782.09	146.44
26 55 13 00-0047	EA	42"	Overall Height, 6-3/4" Square, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	1,660.96	154.14
26 55 13 00-0048	EA	24"	Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	1,751.26	131.02
26 55 13 00-0049	EA	30"	Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	1,766.68	138.73
26 55 13 00-0050	EA	36"	Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	1,782.09	146.44
26 55 13 00-0051	EA	42"	Overall Height, 6-3/4" Square, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	1,728.81	154.14

26 55 13 00-0052 Round, Metal Halide, Aluminum Architectural Bollards <small>(26 55 13 00-0038)</small>					
26 55 13 00-0053	EA	24"	Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	1,688.25	131.02
26 55 13 00-0054	EA	30"	Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	1,703.67	138.73
26 55 13 00-0055	EA	36"	Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	1,719.08	146.44
26 55 13 00-0056	EA	42"	Overall Height, 7" Diameter, 50 Watt Metal Halide, Aluminum Architectural Bollard.....	1,597.95	154.14
26 55 13 00-0057	EA	24"	Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	1,688.25	131.02
26 55 13 00-0058	EA	30"	Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	1,703.67	138.73
26 55 13 00-0059	EA	36"	Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	1,719.08	146.44
26 55 13 00-0060	EA	42"	Overall Height, 7" Diameter, 70 Watt Metal Halide, Aluminum Architectural Bollard.....	1,597.95	154.14
26 55 13 00-0061	EA	24"	Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	1,688.25	131.02
26 55 13 00-0062	EA	30"	Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	1,703.67	138.73
26 55 13 00-0063	EA	36"	Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	1,719.08	146.44
26 55 13 00-0064	EA	42"	Overall Height, 7" Diameter, 100 Watt Metal Halide, Aluminum Architectural Bollard.....	1,597.95	154.14

26 55 13 00-0065 Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>					
26 55 13 00-0066 Square, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0065)</small>					
26 55 13 00-0067	EA	24"	Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,663.07	131.02
26 55 13 00-0068	EA	30"	Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,678.49	138.73
26 55 13 00-0069	EA	36"	Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,693.90	146.44
26 55 13 00-0070	EA	42"	Overall Height, 6-3/4" Square, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,574.62	154.14
26 55 13 00-0071	EA	24"	Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,663.07	131.02
26 55 13 00-0072	EA	30"	Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,678.49	138.73
26 55 13 00-0073	EA	36"	Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,693.90	146.44
26 55 13 00-0074	EA	42"	Overall Height, 6-3/4" Square, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,574.62	154.14
26 55 13 00-0075	EA	24"	Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,663.07	131.02
26 55 13 00-0076	EA	30"	Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,678.49	138.73
26 55 13 00-0077	EA	36"	Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,693.90	146.44
26 55 13 00-0078	EA	42"	Overall Height, 6-3/4" Square, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,574.62	154.14

26 55 13 00-0079 Round, Compact Fluorescent, Aluminum Architectural Bollards <small>(26 55 13 00-0065)</small>					
26 55 13 00-0080	EA	24"	Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,601.43	131.02
26 55 13 00-0081	EA	30"	Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,616.85	138.73
26 55 13 00-0082	EA	36"	Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,632.26	146.44
26 55 13 00-0083	EA	42"	Overall Height, 7" Diameter, 26 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,514.17	154.14
26 55 13 00-0084	EA	24"	Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,601.43	131.02
26 55 13 00-0085	EA	30"	Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,616.85	138.73
26 55 13 00-0086	EA	36"	Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,632.26	146.44
26 55 13 00-0087	EA	42"	Overall Height, 7" Diameter, 32 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,514.17	154.14
26 55 13 00-0088	EA	24"	Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,601.43	131.02
26 55 13 00-0089	EA	30"	Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,616.85	138.73
26 55 13 00-0090	EA	36"	Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,632.26	146.44
26 55 13 00-0091	EA	42"	Overall Height, 7" Diameter, 42 Watt Compact Fluorescent, Aluminum Architectural Bollard.....	1,514.17	154.14

26 55 13 00-0092 LED, Aluminum Architectural Bollards <small>(26 55 13 00-0002)</small>					
26 55 13 00-0093 Square, LED, Aluminum Architectural Bollards <small>(26 55 13 00-0092)</small>					
26 55 13 00-0094	EA	24"	Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,983.10	131.02
26 55 13 00-0095	EA	30"	Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,998.52	138.73
26 55 13 00-0096	EA	36"	Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	2,013.93	146.44
26 55 13 00-0097	EA	42"	Overall Height, 6-3/4" Square, 12 LEDs, Aluminum Architectural Bollard.....	1,896.36	154.14
26 55 13 00-0098	EA	24"	Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,412.18	131.02
26 55 13 00-0099	EA	30"	Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,427.60	138.73
26 55 13 00-0100	EA	36"	Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,443.01	146.44
26 55 13 00-0101	EA	42"	Overall Height, 6-3/4" Square, 24 LEDs, Aluminum Architectural Bollard.....	2,323.31	154.14

26 55 13 00-0102 Round, LED, Aluminum Architectural Bollards <small>(26 55 13 00-0092)</small>					
26 55 13 00-0103	EA	24"	Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,919.10	131.02
26 55 13 00-0104	EA	30"	Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,934.52	138.73
26 55 13 00-0105	EA	36"	Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,949.93	146.44
26 55 13 00-0106	EA	42"	Overall Height, 7" Diameter, 12 LEDs, Aluminum Architectural Bollard.....	1,830.22	154.14
26 55 13 00-0107	EA	24"	Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,348.18	131.02
26 55 13 00-0108	EA	30"	Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,363.60	138.73
26 55 13 00-0109	EA	36"	Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,379.01	146.44
26 55 13 00-0110	EA	42"	Overall Height, 7" Diameter, 24 LEDs, Aluminum Architectural Bollard.....	2,260.06	154.14

**26 Electrical****26 50 Lighting****26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>26 55 13 00-0111</b>			<b>Reinforced Concrete Bollards</b> <small>(26 55 13 00-0001)</small>		
26 55 13 00-0112	EA		48" Overall Height, 12" Diameter, LED Light, Reinforced Concrete Bollard.....	1,736.79	385.36
26 55 13 00-0113	EA		58" Overall Height, 18" Diameter, High Intensity Discharge (HID) Light, Reinforced Concrete Bollard .....	2,998.51	513.76
<b>26 55 13 00-0114</b>			<b>Low Voltage</b> <small>(26 55 13)</small>		
26 55 13 00-0115	EA		Low Voltage Recessed Uplight .....	896.71	280.54
26 55 13 00-0116	EA		Low Voltage Walkway.....	610.90	154.14
26 55 13 00-0117	EA		Low Voltage Malibu - 5 Light Set .....	631.66	205.79
26 55 13 00-0118	EA		Low Voltage Mushroom 24" Pier.....	533.87	154.14
<b>26 55 13 00-0119</b>			<b>Recessed, Adjustable</b> <small>(26 55 13)</small>		
26 55 13 00-0120	EA		150 Watt Incandescent Recessed, Adjustable.....	1,004.93	246.63
26 55 13 00-0121	EA		300 Watt Incandescent Recessed, Adjustable.....	1,087.46	246.63
<b>26 55 13 00-0122</b>			<b>Recessed, Uplight</b> <small>(26 55 13)</small>		
26 55 13 00-0123	EA		50 Watt Incandescent Recessed Uplight .....	911.39	246.63
26 55 13 00-0124	EA		150 Watt Incandescent Recessed Uplight .....	927.90	246.63
26 55 13 00-0125	EA		300 Watt Incandescent Recessed Uplight .....	977.42	246.63
26 55 13 00-0126	EA		500 Watt Quartz Recessed Uplight.....	971.92	246.63
26 55 13 00-0127	EA		5 Watt, LED Recessed Uplight .....	1,276.51	246.63
26 55 13 00-0128	EA		15 Watt, LED Recessed Uplight .....	1,396.05	246.63
<b>26 55 13 00-0129</b>			<b>Recessed Wall Light</b> <small>(26 55 13)</small>		
26 55 13 00-0130	EA		100 Watt Incandescent Recessed Wall Light.....	484.35	154.14
26 55 13 00-0131	EA		100 Watt Fluorescent Recessed Wall Light .....	467.85	154.14
26 55 13 00-0132	EA		100 Watt High Intensity Discharge (HID) Recessed Wall Light.....	736.20	205.79
<b>26 55 13 00-0133</b>			<b>Step Lights</b> <small>(26 55 13)</small>		
26 55 13 00-0134	EA		Incandescent Step Light .....	395.10	123.31
26 55 13 00-0135	EA		Fluorescent Step Light.....	450.20	123.31
26 55 13 00-0136	EA		5 Watt, LED Step Light .....	696.90	123.31
26 55 13 00-0137	EA		15 Watt, LED Step Light .....	824.41	123.31
<b>26 55 16</b>			<b>Walkway Lighting</b> <small>(26 55)</small>		
<b>26 55 16 00-0001</b>			<b>Incandescent Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0002	EA		Post Top 300 Watt Incandescent Walkway Fixture.....	464.12	143.35
<b>26 55 16 00-0003</b>			<b>Metal Halide Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0004	EA		Post Top 100 Watt Metal Halide Walkway Fixture .....	715.67	225.36
26 55 16 00-0005	EA		Post Top 150-175 Watt Metal Halide Walkway Fixture .....	755.11	233.53
26 55 16 00-0006	EA		Post Top 250 Watt Metal Halide Walkway Fixture .....	809.11	242.47
26 55 16 00-0007	EA		Post Top 400 Watt Metal Halide Walkway Fixture .....	867.89	262.04
26 55 16 00-0008	EA		Round Luminaries 100 Watt Metal Halide Walkway Fixture .....	778.22	242.47
26 55 16 00-0009	EA		Round Luminaries 150-175 Watt Metal Halide Walkway Fixture .....	775.10	225.36
26 55 16 00-0010	EA		Round Luminaries 250 Watt Metal Halide Walkway Fixture .....	792.20	233.53
26 55 16 00-0011	EA		Spherical 100 Watt Metal Halide Walkway Fixture .....	614.63	160.62
26 55 16 00-0012	EA		Spherical 150-175 Watt Metal Halide Walkway Fixture .....	645.52	160.62
26 55 16 00-0013	EA		Spherical 250 Watt Metal Halide Walkway Fixture .....	676.42	160.62
26 55 16 00-0014	EA		Spherical 400 Watt Metal Halide Walkway Fixture .....	763.46	180.81
26 55 16 00-0015	EA		Low Walkway 100 Watt Metal Halide Walkway Fixture.....	582.15	144.28
<b>26 55 16 00-0016</b>			<b>High Pressure Sodium Walkway</b> <small>(26 55 16)</small>		
26 55 16 00-0017	EA		Post Top 100 Watt High Pressure Sodium Walkway Fixture .....	657.71	225.36
26 55 16 00-0018	EA		Post Top 150-175 Watt High Pressure Sodium Walkway Fixture .....	692.11	233.53
26 55 16 00-0019	EA		Post Top 250 Watt High Pressure Sodium Walkway Fixture .....	738.15	242.47
26 55 16 00-0020	EA		Post Top 400 Watt High Pressure Sodium Walkway Fixture .....	792.73	262.04
26 55 16 00-0021	EA		Round Luminaries 100 Watt High Pressure Sodium Walkway Fixture .....	714.02	242.47
26 55 16 00-0022	EA		Round Luminaries 150-175 Watt High Pressure Sodium Walkway Fixture .....	704.14	225.36
26 55 16 00-0023	EA		Round Luminaries 250 Watt High Pressure Sodium Walkway Fixture .....	721.09	233.53
26 55 16 00-0024	EA		Spherical 100 Watt High Pressure Sodium Walkway Fixture.....	550.43	160.62
26 55 16 00-0025	EA		Spherical 175 150-Watt High Pressure Sodium Walkway Fixture .....	574.57	160.62
26 55 16 00-0026	EA		Spherical 250 Watt High Pressure Sodium Walkway Fixture.....	598.70	160.62
26 55 16 00-0027	EA		Spherical 400 Watt High Pressure Sodium Walkway Fixture.....	675.60	180.81
26 55 16 00-0028	EA		Low Walkway 100 Watt High Pressure Sodium Walkway Fixture.....	546.52	144.28
<b>26 55 16 00-0029</b>			<b>Walkway, Adjustable</b> <small>(26 55 16)</small>		
26 55 16 00-0030	EA		2' Fluorescent Adjustable Walkway Fixture .....	670.70	205.79
26 55 16 00-0031	EA		4' Fluorescent Adjustable Walkway Fixture .....	685.94	205.79
26 55 16 00-0032	EA		8' Fluorescent Adjustable Walkway Fixture .....	1,155.14	308.29
26 55 16 00-0033	EA		50 Watt Incandescent Adjustable Walkway Fixture .....	552.17	154.14
26 55 16 00-0034	EA		150 Watt Incandescent Adjustable Walkway Fixture .....	572.49	154.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 16 00-0035			LED Walkway <small>(26 55 16)</small>		
26 55 16 00-0036			LED Pathway Fixtures (CREE® BetaLED® Edge® PWY-EDG) <small>(26 55 16 00-0035)</small> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 16 00-0037	EA		13" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) ..... 1,040.19		118.29
			For Multi-Level Drive Currents, Add ..... 267.03		
26 55 16 00-0038	EA		18" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) ..... 1,072.61		118.29
			For Multi-Level Drive Currents, Add ..... 267.03		
26 55 16 00-0039	EA		36" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) ..... 1,129.83		118.29
			For Multi-Level Drive Currents, Add ..... 267.03		
26 55 16 00-0040	EA		42" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) ..... 1,173.70		118.29
			For Multi-Level Drive Currents, Add ..... 267.03		
26 55 16 00-0041	EA		96" Height, 1,248 Lumens, 22 Watt, LED Pathway Fixture (CREE® BetaLED® Edge® PWY-EDG) ..... 1,354.01		152.09
			For Multi-Level Drive Currents, Add ..... 267.03		
26 55 16 00-0042			Wall Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
26 55 16 00-0043	EA		Wall Mounted Lantern With LED Kit, No. PDEX-Bracket (Herwig P-492) ..... 4,646.36		
			Note: Type Fixture 17 as Post		
26 55 16 00-0044			Pole Mounted Walkway Lighting <small>(26 55 16 00-0035)</small>		
26 55 16 00-0045	EA		43-1/2" Height x 19" Diameter, LED Post Lantern (Herwig AP-27) ..... 4,280.58		
26 55 16 00-0046	EA		12" Tapered and Fluted Post (Herwig BRA Series, BRAJ-12) ..... 4,203.81		
			Note: Washers and nuts included		
<b>26 55 53</b>			<b>Security Lighting <small>(26 55)</small></b>		
<b>26 55 53 11</b>			<b>Security Flood Lighting <small>(26 55 53)</small></b>		
26 55 53 11-0001			Flood Lights (General Electric Powerflood®) <small>(26 55 53 11)</small>		
26 55 53 11-0002			MPF (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small> Note: For perimeters, entrances, building facades and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. 1/2" threaded mounting knuckle.		
26 55 53 11-0003			High Pressure Sodium MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0004	EA		70 Watt High Pressure Sodium MPF Series GE Flood Light ..... 422.13		122.59
26 55 53 11-0005	EA		100 Watt High Pressure Sodium MPF Series GE Flood Light ..... 425.67		122.59
26 55 53 11-0006	EA		150 Watt High Pressure Sodium MPF Series GE Flood Light ..... 431.57		122.59
26 55 53 11-0007			Metal Halide MPF Series GE Flood Lights <small>(26 55 53 11-0002)</small>		
26 55 53 11-0008	EA		70 Watt Metal Halide MPF Series GE Flood Light ..... 562.50		122.59
26 55 53 11-0009			P-154 (Small Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small> Note: For parking lots, building security, building facades, recreation areas and sign lighting. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0010			High Pressure Sodium P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0011	EA		70 Watt High Pressure Sodium P-154 Series GE Flood Light ..... 835.32		163.46
26 55 53 11-0012	EA		100 Watt High Pressure Sodium P-154 Series GE Flood Light ..... 840.03		163.46
26 55 53 11-0013	EA		150 Watt High Pressure Sodium P-154 Series GE Flood Light ..... 848.29		163.46
26 55 53 11-0014	EA		250 Watt High Pressure Sodium P-154 Series GE Flood Light ..... 941.48		163.46
26 55 53 11-0015	EA		400 Watt High Pressure Sodium P-154 Series GE Flood Light ..... 968.61		163.46
26 55 53 11-0016			Metal Halide P-154 Series GE Flood Lights <small>(26 55 53 11-0009)</small>		
26 55 53 11-0017	EA		175 Watt Metal Halide P-154 Series GE Flood Light ..... 827.06		163.46
26 55 53 11-0018	EA		250 Watt Metal Halide P-154 Series GE Flood Light ..... 868.34		163.46
26 55 53 11-0019	EA		400 Watt Metal Halide P-154 Series GE Flood Light ..... 889.58		163.46
26 55 53 11-0020			PF-154 (Medium Size) Series GE Flood Lights <small>(26 55 53 11-0001)</small> Note: For parking lots, building security and building facades. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0021			High Pressure Sodium PF-154 Series GE Flood Lights <small>(26 55 53 11-0020)</small>		
26 55 53 11-0022	EA		70 Watt High Pressure Sodium PF-154 Series GE Flood Light ..... 856.12		183.90
26 55 53 11-0023	EA		100 Watt High Pressure Sodium PF-154 Series GE Flood Light ..... 862.02		183.90
26 55 53 11-0024	EA		150 Watt High Pressure Sodium PF-154 Series GE Flood Light ..... 871.46		183.90
26 55 53 11-0025	EA		250 Watt High Pressure Sodium PF-154 Series GE Flood Light ..... 963.46		183.90
26 55 53 11-0026	EA		400 Watt High Pressure Sodium PF-154 Series GE Flood Light ..... 989.41		183.90
26 55 53 11-0027			Metal Halide PF-154 GE Flood Lights <small>(26 55 53 11-0020)</small>		
26 55 53 11-0028	EA		175 Watt Metal Halide PF-154 Series GE Flood Light ..... 849.05		183.90
26 55 53 11-0029	EA		250 Watt Metal Halide PF-154 Series GE Flood Light ..... 889.15		183.90
26 55 53 11-0030	EA		400 Watt Metal Halide PF-154 Series GE Flood Light ..... 910.38		183.90

**26 Electrical****26 50 Lighting****26 55 Special Purpose Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 55 53 11-0031		<b>PF-400 (Medium Size) Series GE Flood Lights</b> (26 55 53 11-0001) Note: For parking lots, building security, building facades, shipping yards and rail yards. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0032		<b>High Pressure Sodium PF-400 Series GE Flood Lights</b> (26 55 53 11-0031)			
26 55 53 11-0033	EA	150 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,134.50		183.90
26 55 53 11-0034	EA	200 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,217.07		183.90
26 55 53 11-0035	EA	250 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,211.17		183.90
26 55 53 11-0036	EA	400 Watt High Pressure Sodium PF-400 Series GE Flood Light.....	1,240.66		183.90
26 55 53 11-0037		<b>Metal Halide PF-400 GE Flood Lights</b> (26 55 53 11-0031)			
26 55 53 11-0038	EA	175 Watt Metal Halide PF-400 Series GE Flood Light.....	1,165.17		183.90
26 55 53 11-0039	EA	250 Watt Metal Halide PF-400 Series GE Flood Light.....	1,189.94		183.90
26 55 53 11-0040	EA	400 Watt Metal Halide PF-400 Series GE Flood Light.....	1,215.89		183.90
26 55 53 11-0041		<b>PF-1000 (Large Size) Series GE Flood Lights</b> (26 55 53 11-0001) Note: For parking lots, industrial yards and sports stadiums. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Formed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0042		<b>High Pressure Sodium PF-154 Series GE Flood Lights</b> (26 55 53 11-0041)			
26 55 53 11-0043	EA	750 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,528.05		204.32
26 55 53 11-0044	EA	1,000 Watt High Pressure Sodium PF-1000 Series GE Flood Light.....	1,528.05		204.32
26 55 53 11-0045		<b>Metal Halide PF-1000 Series GE Flood Lights</b> (26 55 53 11-0041)			
26 55 53 11-0046	EA	1,000 Watt Metal Halide PF-1000 Series GE Flood Light.....	1,459.64		204.32
26 55 53 11-0047		<b>HLU/VLU (Medium Size) FRP Series GE Flood Lights</b> (26 55 53 11-0001) Note: For parking lots, industrial yards, construction sites, recreation areas and facades. Includes corrosion resistant reinforced polyester housing and thermal shock resistant lens. Hydroformed aluminum reflector. Yoke or slip fitter mounting.			
26 55 53 11-0048		<b>High Pressure Sodium HLU/VLU FRP Series GE Flood Lights</b> (26 55 53 11-0047)			
26 55 53 11-0049	EA	250 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,247.73		183.90
26 55 53 11-0050	EA	400 Watt High Pressure Sodium HLU/VLU FRP Series GE Flood Light.....	1,270.15		183.90
26 55 53 11-0051		<b>Metal Halide HLU/VLU Series GE Flood Lights</b> (26 55 53 11-0047)			
26 55 53 11-0052	EA	400 Watt Metal Halide HLU/VLU FRP Series GE Flood Light.....	1,260.71		183.90
26 55 53 11-0053		<b>Accessories For Powerflood GE Flood Lights</b> (26 55 53 11-0001)			
26 55 53 11-0054	EA	Wireguard For Powerflood GE Flood Light.....	217.38		40.86
26 55 53 11-0055	EA	Polycarbonate Vandal Shield For Powerflood GE Flood Light.....	130.09		40.86
26 55 53 11-0056	EA	Top Visor For Powerflood Flood Light.....	184.35		40.86
26 55 53 11-0057	EA	Top And Two Side Visors For Powerflood GE Flood Light.....	143.07		40.86
26 55 53 11-0058	EA	Pipe Wall Mounting Bracket For Powerflood GE Flood Light.....	365.51		122.59
26 55 53 11-0059	EA	Multiple Mounting Channel For Powerflood GE Flood Light.....	156.04		40.86
26 55 53 11-0060	EA	Wall Or Flat Surface Bracket For Powerflood GE Flood Light.....	277.05		122.59
26 55 53 11-0061	EA	Steel Angle Bracket For Powerflood GE Flood Light.....	287.66		122.59
26 55 53 11-0062	EA	Cross Arm Adaptor For Powerflood GE Flood Light.....	119.48		40.86
26 55 53 11-0063	EA	120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Powerflood GE Flood Light.....	115.94		40.86
26 55 53 11-0064		<b>Flood Lights (Lithonia Contour Series)</b> (26 55 53 11)			
26 55 53 11-0065		<b>TFM (Small Size) Series Lithonia Flood Lights</b> (26 55 53 11-0064) Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Faceted parabolic optics. 1/2" threaded mounting knuckle.			
26 55 53 11-0066		<b>High Pressure Sodium TFM Series Lithonia Flood Lights</b> (26 55 53 11-0065)			
26 55 53 11-0067	EA	70 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	772.52		163.46
26 55 53 11-0068	EA	100 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	840.62		163.46
26 55 53 11-0069	EA	150 Watt High Pressure Sodium TFM Series Lithonia Flood Light.....	907.32		163.46
26 55 53 11-0070		<b>Metal Halide TFM Series Lithonia Flood Lights</b> (26 55 53 11-0065)			
26 55 53 11-0071	EA	50 Watt Metal Halide TFM Series Lithonia Flood Light.....	990.54		163.46
26 55 53 11-0072	EA	70 Watt Metal Halide TFM Series Lithonia Flood Light.....	974.15		163.46
26 55 53 11-0073	EA	100 Watt Metal Halide TFM Series Lithonia Flood Light.....	947.73		163.46
26 55 53 11-0074	EA	175 Watt Metal Halide TFM Series Lithonia Flood Light.....	945.77		163.46
26 55 53 11-0075		<b>Compact Fluorescent TFM Series Lithonia Flood Lights</b> (26 55 53 11-0065)			
26 55 53 11-0076	EA	42 Watt Compact Fluorescent TFM Series Lithonia Flood Light.....	983.75		163.46



<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0077	TFL (Medium Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0078	High Pressure Sodium TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0079	EA 250 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,168.28	183.90
26 55 53 11-0080	EA 400 Watt High Pressure Sodium TFL Series Lithonia Flood Light.....	1,191.00	183.90
26 55 53 11-0081	Metal Halide TFL Series Lithonia Flood Lights <small>(26 55 53 11-0077)</small>		
26 55 53 11-0082	EA 175 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,117.23	183.90
26 55 53 11-0083	EA 250 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,117.23	183.90
26 55 53 11-0084	EA 400 Watt Metal Halide TFL Series Lithonia Flood Light.....	1,152.85	183.90
26 55 53 11-0085	TFR (Low Profile) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For recreation areas, parking lots, building facades and car lots. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0086	High Pressure Sodium TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>		
26 55 53 11-0087	EA 150 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	1,116.10	163.46
26 55 53 11-0088	EA 250 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	1,150.09	163.46
26 55 53 11-0089	EA 400 Watt High Pressure Sodium Horizontal TFR Series Lithonia Flood Light.....	1,178.49	163.46
26 55 53 11-0090	Metal Halide TFR Lithonia Flood Lights <small>(26 55 53 11-0085)</small>		
26 55 53 11-0091	EA 250 Watt Metal Halide TFR Series Lithonia Flood Light.....	1,104.73	163.46
26 55 53 11-0092	EA 400 Watt Metal Halide TFR Series Lithonia Flood Light.....	1,138.77	163.46
26 55 53 11-0093	TFA (Large Size) Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small> Note: For industrial yards, parking lots, construction sites, streets and recreational areas. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Anodized aluminum reflector. Yoke or slip fitter mounting.		
26 55 53 11-0094	High Pressure Sodium TFA Series Lithonia Flood Lights <small>(26 55 53 11-0093)</small>		
26 55 53 11-0095	EA 1,000 Watt High Pressure Sodium TFA Series Lithonia Flood Light.....	2,139.96	204.32
26 55 53 11-0096	Metal Halide TFA Series Lithonia Flood Lights <small>(26 55 53 11-0093)</small>		
26 55 53 11-0097	EA 400 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,657.45	204.32
26 55 53 11-0098	EA 1,000 Watt Metal Halide TFA Series Lithonia Flood Light.....	1,827.73	204.32
26 55 53 11-0099	Accessories For Contour Series Lithonia Flood Lights <small>(26 55 53 11-0064)</small>		
26 55 53 11-0100	EA Wireguard For Contour Series Lithonia Flood Light.....	188.76	40.86
26 55 53 11-0101	EA Vandal Guard For Contour Series Lithonia Flood Light.....	355.90	40.86
26 55 53 11-0102	EA Upper Visor For Contour Series Lithonia Flood Light.....	157.22	40.86
26 55 53 11-0103	EA Full Visor For Contour Series Lithonia Flood Light.....	208.30	40.86
26 55 53 11-0104	EA Pipe Wall Mounting Bracket For Contour Series Lithonia Flood Light.....	472.22	122.59
26 55 53 11-0105	EA Radius Wall Bracket For Contour Series Lithonia Flood Light.....	381.84	122.59
26 55 53 11-0106	EA Steel Angle Bracket For Contour Series Lithonia Flood Light.....	381.84	122.59
26 55 53 11-0107	EA U Bolt Wall Bracket For Contour Series Lithonia Flood Light, Mounts To 2" Pipe.....	417.89	122.59
26 55 53 11-0108	EA Crossarm Adapter For Horizontal Mounted Contour Lithonia Series Flood Light.....	181.00	40.86
26 55 53 11-0109	EA 120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Contour Lithonia Series Flood Light.....	146.37	40.86
26 55 53 11-0110	Flood Lights (Eaton) <small>(26 55 53 11)</small>		
26 55 53 11-0111	EA 6" x 6", 16,932 Lumens, 128 Watt, LED Flood Light (Eaton NFFLD-C40-D-UNV-66-T-CB).....	1,192.27	163.46
	<i>For NEMA Photocontrol Option (Eaton OA/RA1016), Add</i>	61.06	
	<i>For &gt;50 To 100, Deduct</i>	-37.98	
	<i>For &gt;100 To 250, Deduct</i>	-67.79	
	<i>For &gt;250 To 500, Deduct</i>	-119.23	
	<i>For &gt;500, Deduct</i>	-170.67	
26 55 53 11-0112	EA 16,900 Lumens, 128 Watt, NEMA 6H x 6V Wide, Trunion Mount, 4000K CCT, Night Falcon LED Flood Light With Multi-Tap (Cooper Industries NFFLD-C40-D-UNV-66-T-CB-PER7+OA/RA1016).....	1,482.61	182.93
	<i>For &gt;50 To 100, Deduct</i>	-46.21	
	<i>For &gt;100 To 250, Deduct</i>	-83.28	
	<i>For &gt;250 To 500, Deduct</i>	-148.26	
	<i>For &gt;500, Deduct</i>	-213.25	
26 55 53 11-0113	Flood Lights (Ruud) <small>(26 55 53 11)</small>		
26 55 53 11-0114	NS (Micro) Series Ruud Flood Lights <small>(26 55 53 11-0113)</small> Note: Provides conventional floodlighting. 1/2" threaded mounting knuckle.		
26 55 53 11-0115	High Pressure Sodium NS Series Ruud Flood Lights <small>(26 55 53 11-0114)</small>		
26 55 53 11-0116	EA 35 Watt High Pressure Sodium NS Series Ruud Flood Light.....	511.78	122.59
26 55 53 11-0117	EA 50 Watt High Pressure Sodium NS Series Ruud Flood Light.....	511.78	122.59
26 55 53 11-0118	EA 70 Watt High Pressure Sodium NS Series Ruud Flood Light.....	511.78	122.59
26 55 53 11-0119	EA 100 Watt High Pressure Sodium NS Series Ruud Flood Light.....	511.78	122.59
26 55 53 11-0120	EA 150 Watt High Pressure Sodium NS Series Ruud Flood Light.....	511.78	122.59

**26 Electrical****26 50 Lighting****26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0121			<b>Metal Halide NS Series Ruud Flood Lights</b> (26 55 53 11-0114)		
26 55 53 11-0122	EA		50 Watt Metal Halide NS Series Ruud Flood Light .....	577.83	122.59
26 55 53 11-0123	EA		70 Watt Metal Halide NS Series Ruud Flood Light .....	577.83	122.59
26 55 53 11-0124	EA		100 Watt Metal Halide NS Series Ruud Flood Light .....	577.83	122.59
26 55 53 11-0125			<b>Compact Fluorescent NS Series Ruud Flood Lights</b> (26 55 53 11-0114)		
26 55 53 11-0126	EA		13 Watt Compact Fluorescent NS Series Ruud Flood Light .....	443.36	122.59
26 55 53 11-0127	EA		26 Watt Compact Fluorescent NS Series Ruud Flood Light .....	459.88	122.59
26 55 53 11-0128	EA		32 Watt Compact Fluorescent NS Series Ruud Flood Light .....	464.60	122.59
26 55 53 11-0129	EA		42 Watt Compact Fluorescent NS Series Ruud Flood Light .....	469.31	122.59
26 55 53 11-0130			<b>NSF/NSW/NSC (Standard, Wide And Cutoff Micro) Series Ruud Flood Lights</b> (26 55 53 11-0113)		
			Note: The NSF is suited for large open areas and façade applications. The NSW is suited for roadway applications, parking areas or security. The NSC is designed for parking lot and outdoor sports areas. Yoke or slip fitter mounting.		
26 55 53 11-0131			<b>High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Lights</b> (26 55 53 11-0130)		
26 55 53 11-0132	EA		150 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	787.71	183.90
26 55 53 11-0133	EA		250 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	830.17	183.90
26 55 53 11-0134	EA		400 Watt High Pressure Sodium NSF/NSW/NSC Series Ruud Flood Light .....	853.76	183.90
26 55 53 11-0135			<b>Metal Halide NSF/NSW/NSC Series Ruud Flood Lights</b> (26 55 53 11-0130)		
26 55 53 11-0136	EA		175 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	778.27	183.90
26 55 53 11-0137	EA		250 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	782.99	183.90
26 55 53 11-0138	EA		400 Watt Metal Halide NSF/NSW/NSC Series Ruud Flood Light .....	797.15	183.90
26 55 53 11-0139			<b>Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Lights</b> (26 55 53 11-0130)		
26 55 53 11-0140	EA		70 Watt Compact Fluorescent NSF/NSW/NSC Series Ruud Flood Light .....	761.76	183.90
26 55 53 11-0141			<b>FS (Square) Series Ruud Flood Lights</b> (26 55 53 11-0113)		
			Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0142			<b>High Pressure Sodium FS Series Ruud Flood Lights</b> (26 55 53 11-0141)		
26 55 53 11-0143	EA		250 Watt High Pressure Sodium FS Series Ruud Flood Light .....	912.74	183.90
26 55 53 11-0144	EA		400 Watt High Pressure Sodium FS Series Ruud Flood Light .....	917.46	183.90
26 55 53 11-0145	EA		1,000 Watt High Pressure Sodium FS Series Ruud Flood Light .....	1,529.23	204.32
26 55 53 11-0146			<b>Metal Halide FS Series Ruud Flood Lights</b> (26 55 53 11-0141)		
26 55 53 11-0147	EA		175 Watt Metal Halide FS Series Ruud Flood Light .....	912.74	183.90
26 55 53 11-0148	EA		250 Watt Metal Halide FS Series Ruud Flood Light .....	917.46	183.90
26 55 53 11-0149	EA		400 Watt Metal Halide FS Series Ruud Flood Light .....	931.61	183.90
26 55 53 11-0150	EA		1,000 Watt Metal Halide FS Series Ruud Flood Light .....	1,373.53	204.32
26 55 53 11-0151			<b>MFS (Mini Square) Series Ruud Flood Lights</b> (26 55 53 11-0113)		
			Note: For signs, large open areas and façade applications. Yoke or slip fitter mounting.		
26 55 53 11-0152			<b>High Pressure Sodium MFS Series Ruud Flood Lights</b> (26 55 53 11-0151)		
26 55 53 11-0153	EA		35 Watt High Pressure Sodium MFS Series Ruud Flood Light .....	720.90	163.46
26 55 53 11-0154	EA		50 Watt High Pressure Sodium MFS Series Ruud Flood Light .....	770.44	163.46
26 55 53 11-0155	EA		70 Watt High Pressure Sodium MFS Series Ruud Flood Light .....	770.44	163.46
26 55 53 11-0156	EA		100 Watt High Pressure Sodium MFS Series Ruud Flood Light .....	770.44	163.46
26 55 53 11-0157	EA		150 Watt High Pressure Sodium MFS Series Ruud Flood Light .....	770.44	163.46
26 55 53 11-0158			<b>Metal Halide MFS Series Ruud Flood Lights</b> (26 55 53 11-0151)		
26 55 53 11-0159	EA		50 Watt Metal Halide MFS Series Ruud Flood Light .....	786.95	163.46
26 55 53 11-0160	EA		70 Watt Metal Halide MFS Series Ruud Flood Light .....	786.95	163.46
26 55 53 11-0161	EA		100 Watt Metal Halide MFS Series Ruud Flood Light .....	786.95	163.46
26 55 53 11-0162	EA		175 Watt Metal Halide MFS Series Ruud Flood Light .....	761.00	163.46
26 55 53 11-0163			<b>MCF/MPM/MPN (Mini Cutoff, Parabolic Medium And Narrow Mini Square) Series Ruud Flood Lights</b> (26 55 53 11-0113)		
			Note: The MCF is suited for parking lots, volleyball courts and tennis courts. The MPM and MPN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
26 55 53 11-0164			<b>High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Lights</b> (26 55 53 11-0163)		
26 55 53 11-0165	EA		35 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	779.88	163.46
26 55 53 11-0166	EA		50 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	829.42	163.46
26 55 53 11-0167	EA		70 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	829.42	163.46
26 55 53 11-0168	EA		100 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	829.42	163.46
26 55 53 11-0169	EA		150 Watt High Pressure Sodium MCF/MPM/MPN Series Ruud Flood Light .....	829.42	163.46
26 55 53 11-0170			<b>Metal Halide MCF/MPM/MPN Series Ruud Flood Lights</b> (26 55 53 11-0163)		
26 55 53 11-0171	EA		50 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light .....	845.93	163.46

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0172	EA		70 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	845.93	163.46
26 55 53 11-0173	EA		100 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	845.93	163.46
26 55 53 11-0174	EA		175 Watt Metal Halide MCF/MPM/MPN Series Ruud Flood Light.....	819.98	163.46
<b>26 55 53 11-0175</b>			<b>CF (Cutoff Square) Series Ruud Flood Lights</b> (26 55 53 11-0175)		
			Note: The CF is suited for parking lots, volleyball courts and tennis courts. Yoke or slip fitter mounting.		
<b>26 55 53 11-0176</b>			<b>High Pressure Sodium CF Series Ruud Flood Lights</b> (26 55 53 11-0175)		
26 55 53 11-0177	EA		250 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,023.62	183.90
26 55 53 11-0178	EA		400 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,047.21	183.90
26 55 53 11-0179	EA		1,000 Watt High Pressure Sodium CF Series Ruud Flood Light.....	1,588.21	204.32
<b>26 55 53 11-0180</b>			<b>Metal Halide CF Series Ruud Flood Lights</b> (26 55 53 11-0175)		
26 55 53 11-0181	EA		175 Watt Metal Halide CF Series Ruud Flood Light.....	971.72	183.90
26 55 53 11-0182	EA		250 Watt Metal Halide CF Series Ruud Flood Light.....	976.44	183.90
26 55 53 11-0183	EA		400 Watt Metal Halide CF Series Ruud Flood Light.....	990.59	183.90
26 55 53 11-0184	EA		1,000 Watt Metal Halide CF Series Ruud Flood Light.....	1,432.51	204.32
<b>26 55 53 11-0185</b>			<b>CN (Narrow Beam Cutoff Square) Series Ruud Flood Lights</b> (26 55 53 11-0113)		
			Note: The CN is suited for large sports fields, building facades and signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0186</b>			<b>High Pressure Sodium CN Series Ruud Flood Lights</b> (26 55 53 11-0185)		
26 55 53 11-0187	EA		400 High Pressure Sodium CN Series Ruud Flood Light.....	1,314.55	204.32
26 55 53 11-0188	EA		1,000 High Pressure Sodium CN Series Ruud Flood Light.....	1,559.90	204.32
<b>26 55 53 11-0189</b>			<b>Metal Halide CN Series Ruud Flood Lights</b> (26 55 53 11-0185)		
26 55 53 11-0190	EA		400 Watt Metal Halide CN Series Ruud Flood Light.....	1,257.94	204.32
26 55 53 11-0191	EA		1,000 Watt Metal Halide CN Series Ruud Flood Light.....	1,404.20	204.32
<b>26 55 53 11-0192</b>			<b>PM/PN (Parabolic Medium And Narrow Square) Series Ruud Flood Lights</b> (26 55 53 11-0113)		
			Note: The PM and PN are suited for flagpoles, columns and narrow signs. Yoke or slip fitter mounting.		
<b>26 55 53 11-0193</b>			<b>High Pressure Sodium PM/PN Series Ruud Flood Lights</b> (26 55 53 11-0192)		
26 55 53 11-0194	EA		250 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,056.65	183.90
26 55 53 11-0195	EA		400 Watt High Pressure Sodium PM/PN Series Ruud Flood Light.....	1,080.24	183.90
<b>26 55 53 11-0196</b>			<b>Metal Halide PM/PN Series Ruud Flood Lights</b> (26 55 53 11-0192)		
26 55 53 11-0197	EA		175 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,004.75	183.90
26 55 53 11-0198	EA		250 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,009.47	183.90
26 55 53 11-0199	EA		400 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,023.62	183.90
26 55 53 11-0200	EA		1,000 Watt Metal Halide PM/PN Series Ruud Flood Light.....	1,465.54	204.32
<b>26 55 53 11-0201</b>			<b>Accessories For Ruud Flood Lighting</b> (26 55 53 11-0113)		
26 55 53 11-0202	EA		Wireguard For Ruud Flood Light.....	117.12	40.86
26 55 53 11-0203	EA		Deep Baffle (Full Visor) For Ruud Flood Light.....	180.81	40.86
26 55 53 11-0204	EA		Glare Guard (Upper Visor) For Ruud Flood Light.....	133.63	40.86
26 55 53 11-0205	EA		Vandal Shield For Ruud Flood Light.....	157.22	40.86
26 55 53 11-0206	EA		Pipe Mounting Bracket For Ruud Flood Light.....	325.41	122.59
26 55 53 11-0207	EA		120/240 Volt, 277 Volt, NEMA Twistlock Photocontrol For Ruud Flood Light.....	102.96	40.86
<b>26 55 53 11-0208</b>			<b>Flood Lights (Lumark)</b> (26 55 53 11)		
<b>26 55 53 11-0209</b>			<b>QZ Wedge Series Quartz Lumark Flood Lights</b> (26 55 53 11-0208)		
			Note: For small outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0210	EA		500 Watt QZ Wedge Series Quartz Lumark Flood Light.....	293.44	122.59
<b>26 55 53 11-0211</b>			<b>LQL Series Quartz Lumark Flood Lights</b> (26 55 53 11-0208)		
			Note: For medium size outdoor areas. Die-cast aluminum housing heat and weather resistant gaskets.		
26 55 53 11-0212	EA		1,500 Watt LQL Series Quartz Lumark Flood Light.....	363.04	122.59
<b>26 55 53 11-0213</b>			<b>Flood Lights (Kim Lighting)</b> (26 55 53 11)		
<b>26 55 53 11-0214</b>			<b>MicroFlood® Series Kim Lighting Flood Lights</b> (26 55 53 11-0213)		
			Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
<b>26 55 53 11-0215</b>			<b>LED MicroFlood® Series Kim Lighting Flood Lights</b> (26 55 53 11-0214)		
26 55 53 11-0216	EA		5 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	572.61	54.05
			For >50 To 100, Deduct	-17.02	
			For >100 To 250, Deduct	-31.33	
			For >250 To 500, Deduct	-57.26	
			For >500, Deduct	-83.19	

**26 Electrical**  
**26 50 Lighting**  
**26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0217	EA		15 Watt, LED MicroFlood® Series Kim Lighting Flood Light.....	703.53	54.05
			<i>For &gt;50 To 100, Deduct</i>	-20.29	
			<i>For &gt;100 To 250, Deduct</i>	-37.88	
			<i>For &gt;250 To 500, Deduct</i>	-70.35	
			<i>For &gt;500, Deduct</i>	-102.83	
26 55 53 11-0218			<b>Scarab® Series Kim Lighting Flood Lights</b> (26 55 53 11-0213)		
			Note: For signs, flags, facades and landscaping. Includes die-cast aluminum housing, corrosion resistant polyester powder finish and gasketed and tempered lens. 1/2" threaded mounting knuckle.		
26 55 53 11-0219			<b>LED Scarab® Series Kim Lighting Accent Flood Lights</b> (26 55 53 11-0218)		
			Note: Spot or narrow style accent flood lights.		
26 55 53 11-0220	EA		6 Watt, LED Scarab® Series Kim Lighting Accent Flood Light.....	864.40	54.05
			<i>For &gt;50 To 100, Deduct</i>	-24.31	
			<i>For &gt;100 To 250, Deduct</i>	-45.92	
			<i>For &gt;250 To 500, Deduct</i>	-86.44	
			<i>For &gt;500, Deduct</i>	-126.96	
26 55 53 11-0221			<b>Flood Lights (CREE® BetaLED®)</b> (26 55 53 11)		
26 55 53 11-0222			<b>Yoke Mount, Square, LED Flood Lights (CREE® BetaLED® FLD-304)</b> (26 55 53 11-0221)		
			Note: UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0223	EA		40 LEDs, 47 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,344.55	149.67
			<i>For &gt;50 To 100, Deduct</i>	-41.10	
			<i>For &gt;100 To 250, Deduct</i>	-74.71	
			<i>For &gt;250 To 500, Deduct</i>	-134.46	
			<i>For &gt;500, Deduct</i>	-194.20	
26 55 53 11-0224	EA		60 LEDs, 68 Watt, Yoke Mount, Square, LED Flood Light (CREE® BetaLED® FLD-304).....	1,471.81	157.99
			<i>For &gt;50 To 100, Deduct</i>	-44.69	
			<i>For &gt;100 To 250, Deduct</i>	-81.49	
			<i>For &gt;250 To 500, Deduct</i>	-147.18	
			<i>For &gt;500, Deduct</i>	-212.87	
26 55 53 11-0225			<b>Adjustable Arm Mount, Rectangular, LED Flood Lights (CREE® BetaLED® Edge® FLD-EDG)</b> (26 55 53 11-0221)		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 55 53 11-0226	EA		20 LEDs, 26 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,169.62	141.36
			<i>For 480 Volt, Add</i>	110.03	
			<i>For &gt;50 To 100, Deduct</i>	-36.31	
			<i>For &gt;100 To 250, Deduct</i>	-65.55	
			<i>For &gt;250 To 500, Deduct</i>	-116.96	
			<i>For &gt;500, Deduct</i>	-168.38	
26 55 53 11-0227	EA		40 LEDs, 47 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,466.62	149.67
			<i>For 480 Volt, Add</i>	110.03	
			<i>For &gt;50 To 100, Deduct</i>	-44.15	
			<i>For &gt;100 To 250, Deduct</i>	-80.81	
			<i>For &gt;250 To 500, Deduct</i>	-146.66	
			<i>For &gt;500, Deduct</i>	-212.51	
26 55 53 11-0228	EA		60 LEDs, 68 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	1,763.63	157.99
			<i>For 480 Volt, Add</i>	110.03	
			<i>For &gt;50 To 100, Deduct</i>	-51.99	
			<i>For &gt;100 To 250, Deduct</i>	-96.08	
			<i>For &gt;250 To 500, Deduct</i>	-176.36	
			<i>For &gt;500, Deduct</i>	-256.65	
26 55 53 11-0229	EA		80 LEDs, 90 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,173.17	166.30
			<i>For 480 Volt, Add</i>	110.03	
			<i>For &gt;50 To 100, Deduct</i>	-62.64	
			<i>For &gt;100 To 250, Deduct</i>	-116.97	
			<i>For &gt;250 To 500, Deduct</i>	-217.32	
			<i>For &gt;500, Deduct</i>	-317.66	
26 55 53 11-0230	EA		100 LEDs, 111 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,470.18	174.61
			<i>For 480 Volt, Add</i>	110.03	
			<i>For &gt;50 To 100, Deduct</i>	-70.49	
			<i>For &gt;100 To 250, Deduct</i>	-132.24	
			<i>For &gt;250 To 500, Deduct</i>	-247.02	
			<i>For &gt;500, Deduct</i>	-361.80	
26 55 53 11-0231	EA		120 LEDs, 132 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	2,767.18	182.93
			<i>For 480 Volt, Add</i>	110.03	
			<i>For &gt;50 To 100, Deduct</i>	-78.33	
			<i>For &gt;100 To 250, Deduct</i>	-147.51	
			<i>For &gt;250 To 500, Deduct</i>	-276.72	
			<i>For &gt;500, Deduct</i>	-405.93	
26 55 53 11-0232	EA		140 LEDs, 157 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG).....	3,153.83	191.24
			<i>For 480 Volt, Add</i>	110.03	
			<i>For &gt;50 To 100, Deduct</i>	-88.41	
			<i>For &gt;100 To 250, Deduct</i>	-167.25	
			<i>For &gt;250 To 500, Deduct</i>	-315.38	
			<i>For &gt;500, Deduct</i>	-463.51	

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 11-0233	EA	160 LEDs, 179 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (CREE® BetaLED® Edge® FLD-EDG) .....	3,450.84	199.56	
		<i>For 480 Volt, Add</i>	110.03		
		<i>For &gt;50 To 100, Deduct</i>	-96.25		
		<i>For &gt;100 To 250, Deduct</i>	-182.52		
		<i>For &gt;250 To 500, Deduct</i>	-345.08		
		<i>For &gt;500, Deduct</i>	-507.65		
26 55 53 11-0234		<b>Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® Edge® FLD-EHO)</b> <small>(26 55 53 11-0221)</small>			
		<small>Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>			
26 55 53 11-0235	EA	120 LEDs, 267 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO) .....	2,654.65	182.93	
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49		
		<i>For Bird Spikes, Add</i>	53.73		
		<i>For 5,000K Color Temperature, Add</i>	56.24		
		<i>For Fuse, Add</i>	67.48		
		<i>For 0 To 10 Volt Dimming, Add</i>	67.48		
		<i>For 480 Volt, Add</i>	101.23		
		<i>For Multi-Level, Add</i>	146.21		
		<i>For 1,000mA Driver, Add</i>	188.96		
		<i>For &gt;50 To 100, Deduct</i>	-75.51		
		<i>For &gt;100 To 250, Deduct</i>	-141.88		
		<i>For &gt;250 To 500, Deduct</i>	-265.47		
		<i>For &gt;500, Deduct</i>	-389.05		
26 55 53 11-0236	EA	240 LEDs, 533 Watt, Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® Edge® FLD-EHO) .....	4,485.69	224.50	
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49		
		<i>For 5,000K Color Temperature, Add</i>	56.24		
		<i>For Fuse, Add</i>	67.48		
		<i>For 0 To 10 Volt Dimming, Add</i>	67.48		
		<i>For Bird Spikes, Add</i>	79.15		
		<i>For Multi-Level, Add</i>	146.21		
		<i>For 1,000mA Driver, Add</i>	188.96		
		<i>For 480 Volt, Add</i>	202.45		
		<i>For &gt;50 To 100, Deduct</i>	-123.37		
		<i>For &gt;100 To 250, Deduct</i>	-235.51		
		<i>For &gt;250 To 500, Deduct</i>	-448.57		
		<i>For &gt;500, Deduct</i>	-661.63		
26 55 53 11-0237		<b>Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Lights (CREE® BetaLED® OSQ™)</b> <small>(26 55 53 11-0221)</small>			
		<small>Note: UL wet listed. Includes 3,000K or 4,000K or 5,700K color temperature, 120/277 voltage, Class 1 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.</small>			
26 55 53 11-0238	EA	112 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-A-XXX-US-UL) .....	1,570.49	182.93	
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49		
		<i>For Front Facing Optics, Back Light Shield, Add</i>	41.90		
		<i>For Rotated Optics, Back Light Shield, Add</i>	41.90		
		<i>For Field Adjustable Output, Add</i>	33.75		
		<i>For Fuse, Add</i>	67.48		
		<i>For 0 To 10 Volt Dimming, Add</i>	67.48		
		<i>For Multi-Level, Add</i>	146.21		
		<i>For &gt;50 To 100, Deduct</i>	-48.41		
		<i>For &gt;100 To 250, Deduct</i>	-87.67		
		<i>For &gt;250 To 500, Deduct</i>	-157.05		
		<i>For &gt;500, Deduct</i>	-226.43		
26 55 53 11-0239	EA	168 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-J-XXX-US-UL) .....	1,676.78	182.93	
		<small>Note: Type III, IV or V medium optics only.</small>			
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49		
		<i>For Front Facing Optics, Back Light Shield, Add</i>	41.90		
		<i>For Rotated Optics, Back Light Shield, Add</i>	41.90		
		<i>For Field Adjustable Output, Add</i>	33.75		
		<i>For Fuse, Add</i>	67.48		
		<i>For 0 To 10 Volt Dimming, Add</i>	67.48		
		<i>For Type II Medium Or Type V Short Optics, Add</i>	314.40		
		<i>For Multi-Level, Add</i>	146.21		
		<i>For &gt;50 To 100, Deduct</i>	-51.07		
		<i>For &gt;100 To 250, Deduct</i>	-92.99		
		<i>For &gt;250 To 500, Deduct</i>	-167.68		
		<i>For &gt;500, Deduct</i>	-242.37		
26 55 53 11-0240	EA	223 Watt, Direct Or Adjustable Arm Mount, Rectangular, High Output, LED Flood Light (CREE® BetaLED® OSQ™ OSQ-A-NM-XXX-S-XXX-US-UL) .....	2,149.66	224.50	
		<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49		
		<i>For Field Adjustable Output, Add</i>	33.75		
		<i>For Front Facing Optics, Back Light Shield, Add</i>	50.79		
		<i>For Rotated Optics, Back Light Shield, Add</i>	50.79		
		<i>For Fuse, Add</i>	67.48		
		<i>For 0 To 10 Volt Dimming, Add</i>	67.48		
		<i>For Multi-Level, Add</i>	146.21		
		<i>For &gt;50 To 100, Deduct</i>	-64.97		
		<i>For &gt;100 To 250, Deduct</i>	-118.71		
		<i>For &gt;250 To 500, Deduct</i>	-214.97		
		<i>For &gt;500, Deduct</i>	-311.22		



**26 Electrical**  
**26 50 Lighting**  
**26 55 Special Purpose Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 55 53 11-0241			Flood Lights (PlanLED) <small>(26 55 53 11)</small>		
26 55 53 11-0242			Adjustable Arm Mount, LED Flood Lights (PlanLED WAPA) <small>(26 55 53 11-0241)</small>		
26 55 53 11-0243	EA		6,250 Lumens, 50 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP050) .....	722.01	149.67
			<i>For &gt;50 To 100, Deduct</i>	-25.53	
			<i>For &gt;100 To 250, Deduct</i>	-43.58	
			<i>For &gt;250 To 500, Deduct</i>	-72.20	
			<i>For &gt;500, Deduct</i>	-100.82	
26 55 53 11-0244	EA		9,375 Lumens, 75 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP075) .....	857.85	157.99
			<i>For &gt;50 To 100, Deduct</i>	-29.35	
			<i>For &gt;100 To 250, Deduct</i>	-50.79	
			<i>For &gt;250 To 500, Deduct</i>	-85.79	
			<i>For &gt;500, Deduct</i>	-120.78	
26 55 53 11-0245	EA		12,500 Lumens, 100 Watt, Adjustable Arm Mount, Rectangular, LED Flood Light (PlanLED WAPA WP100) .....	986.83	170.46
			<i>For &gt;50 To 100, Deduct</i>	-33.19	
			<i>For &gt;100 To 250, Deduct</i>	-57.86	
			<i>For &gt;250 To 500, Deduct</i>	-98.68	
			<i>For &gt;500, Deduct</i>	-139.50	
26 55 53 11-0246			Adjustable Arm Mount, LED Sports Flood Lights (PlanLED SUFA) <small>(26 55 53 11-0241)</small>		
26 55 53 11-0247	EA		21,000 Lumens, 200 Watt, LED Sports Flood Light (PlanLED SUFA SF200) .....	1,998.22	332.60
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For &gt;50 To 100, Deduct</i>	-66.59	
			<i>For &gt;100 To 250, Deduct</i>	-116.54	
			<i>For &gt;250 To 500, Deduct</i>	-199.82	
			<i>For &gt;500, Deduct</i>	-283.10	
26 55 53 11-0248	EA		42,000 Lumens, 400 Watt, LED Sports Flood Light (PlanLED SUFA SF400) .....	3,049.47	332.60
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For &gt;50 To 100, Deduct</i>	-92.87	
			<i>For &gt;100 To 250, Deduct</i>	-169.10	
			<i>For &gt;250 To 500, Deduct</i>	-304.95	
			<i>For &gt;500, Deduct</i>	-440.79	
26 55 53 11-0249	EA		84,000 Lumens, 800 Watt, LED Sports Flood Light (PlanLED SUFA SF800) .....	5,312.35	332.60
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For &gt;50 To 100, Deduct</i>	-149.44	
			<i>For &gt;100 To 250, Deduct</i>	-282.25	
			<i>For &gt;250 To 500, Deduct</i>	-531.24	
			<i>For &gt;500, Deduct</i>	-780.22	
26 55 53 11-0250			Adjustable Arm Mount, LED High Mast Flood Lights (PlanLED MAHA) <small>(26 55 53 11-0241)</small>		
26 55 53 11-0251	EA		26,000 Lumens, 200 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA200) .....	1,748.06	216.19
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For 480 Volt, Add</i>	140.89	
			<i>For &gt;50 To 100, Deduct</i>	-54.51	
			<i>For &gt;100 To 250, Deduct</i>	-98.21	
			<i>For &gt;250 To 500, Deduct</i>	-174.81	
			<i>For &gt;500, Deduct</i>	-251.40	
26 55 53 11-0252	EA		39,000 Lumens, 300 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA300) .....	2,224.20	224.50
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For 480 Volt, Add</i>	113.87	
			<i>For &gt;50 To 100, Deduct</i>	-66.83	
			<i>For &gt;100 To 250, Deduct</i>	-122.44	
			<i>For &gt;250 To 500, Deduct</i>	-222.42	
			<i>For &gt;500, Deduct</i>	-322.40	
26 55 53 11-0253	EA		52,000 Lumens, 400 Watt, Adjustable Arm Mount, Rectangular, LED High Mast Flood Light (PlanLED MAHA MA400) .....	2,823.91	232.82
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For 480 Volt, Add</i>	92.36	
			<i>For &gt;50 To 100, Deduct</i>	-82.24	
			<i>For &gt;100 To 250, Deduct</i>	-152.84	
			<i>For &gt;250 To 500, Deduct</i>	-282.39	
			<i>For &gt;500, Deduct</i>	-411.95	
26 55 53 12			<b>Security Hazardous Location Flood Lights</b> <small>(26 55 53)</small>		
			Note: For general to heavy industrial applications in marine and corrosive environments. Class 1 Division 2.		
26 55 53 12-0001			Lithonia Hazardous Location Flood Lights <small>(26 55 53 12)</small>		
26 55 53 12-0002			HFR (Horizontally Oriented Mogul Base) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small>		
			Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0003			High Pressure Sodium HFR Series Hazardous Location Flood Lights <small>(26 55 53 12-0002)</small>		
26 55 53 12-0004	EA		150 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,106.16	163.46
26 55 53 12-0005	EA		250 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,179.30	163.46
26 55 53 12-0006	EA		400 Watt High Pressure Sodium HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,108.52	163.46
26 55 53 12-0007			Metal Halide HFR Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0002)</small>		
26 55 53 12-0008	EA		250 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,171.49	163.46
26 55 53 12-0009	EA		400 Watt Metal Halide HFR Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,136.83	163.46

<b>Electrical</b>	<b>26</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>	
<b>Special Purpose Lighting</b>	<b>26 55</b>	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 53 12-0010	HFM (Medium Base) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0011	High Pressure Sodium HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0012	EA 100 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,055.89	163.46
26 55 53 12-0013	EA 150 Watt High Pressure Sodium HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,099.54	163.46
26 55 53 12-0014	Metal Halide HFM Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0010)</small>		
26 55 53 12-0015	EA 175 Watt Metal Halide HFM Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	937.94	163.46
26 55 53 12-0016	HFA (Large) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0017	High Pressure Sodium HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0018	EA 250 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,486.77	204.32
26 55 53 12-0019	EA 400 Watt High Pressure Sodium HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,508.00	204.32
26 55 53 12-0020	Metal Halide HFA Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0016)</small>		
26 55 53 12-0021	EA 250 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,479.69	204.32
26 55 53 12-0022	EA 400 Watt Metal Halide HFA Series Lithonia Class 1 Div 2 Hazardous Location Flood Light .....	1,508.00	204.32
26 55 53 12-0023	HFL (Medium) Series Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> Note: Includes die-cast aluminum housing, corrosion resistant polyester powder finish and thermal shock resistant lens. Precision-formed reflector. Yoke mounting.		
26 55 53 12-0024	High Pressure Sodium HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0025	EA 400 Watt High Pressure Sodium HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,110.91	183.90
26 55 53 12-0026	Metal Halide HFL Series Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0023)</small>		
26 55 53 12-0027	EA 400 Watt Metal Halide HFL Series Lithonia Class 1 Div 2 Hazardous Location Flood Light.....	1,193.47	183.90
26 55 53 12-0028	Accessories For Lithonia Hazardous Location Flood Lights <small>(26 55 53 12-0001)</small> See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 53 13</b>	<b>Security High Performance Flood Lights</b> <small>(26 55 53)</small> Note: For airport aprons and parking areas.		
26 55 53 13-0001	Lithonia High Performance Flood Lights <small>(26 55 53 13)</small>		
26 55 53 13-0002	170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0001)</small> Note: Die-cast aluminum housing welded seams, stainless steel hardware, corrosion resistant polyester powder finish, and thermal and shock resistant flat lens.		
26 55 53 13-0003	High Pressure Sodium 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0004	EA 250 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,540.45	245.20
26 55 53 13-0005	EA 400 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,733.89	245.20
26 55 53 13-0006	EA 750 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	2,743.33	245.20
26 55 53 13-0007	EA 1,000 Watt High Pressure Sodium 170S Series Lithonia High Performance Flood Light .....	3,038.22	245.20
26 55 53 13-0008	Metal Halide 170S Series Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small>		
26 55 53 13-0009	EA 320 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	2,915.54	245.20
26 55 53 13-0010	EA 350 Watt Metal Halide 170S Series Lithonia High Performance Flood Light .....	2,784.73	245.20
26 55 53 13-0011	EA 400 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	2,660.76	245.20
26 55 53 13-0012	EA 1,000 Watt Metal Halide 170S Series Lithonia High Performance Flood Light.....	2,783.44	245.20
26 55 53 13-0013	Accessories For Lithonia High Performance Flood Lights <small>(26 55 53 13-0002)</small> See CSI section 26 55 53 11-0099 for accessories.		
<b>26 55 63</b>	<b>Detention Lighting</b> <small>(26 55)</small>		
26 55 63 00-0001	Maximum Security Recessed Luminaire <small>(26 55 63)</small> Note: Cooper Lighting Fail-Safe FMR Series.		
26 55 63 00-0002	EA 12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire .....	1,239.57	50.68
26 55 63 00-0003	EA 12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire.....	1,360.15	50.68

**26 Electrical**

**26 50 Lighting**

**26 55 Special Purpose Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 55 63 00-0004	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,209.53		60.84
26 55 63 00-0005	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,617.28		70.99
26 55 63 00-0006	EA	24" x 48", Three 32 Watt, T8 Lamps, 14 Gauge Fluorescent, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,622.23		70.99
26 55 63 00-0007	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,627.19		70.99
26 55 63 00-0008	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,239.57		50.68
26 55 63 00-0009	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,417.96		50.68
26 55 63 00-0010	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,267.35		60.85
26 55 63 00-0011	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,443.84		70.99
26 55 63 00-0012	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,448.79		70.99
26 55 63 00-0013	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.187" clear tempered glass environmental side lens.	1,453.75		70.99
26 55 63 00-0014	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,095.04		50.68
26 55 63 00-0015	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,099.99		50.68
26 55 63 00-0016	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,325.16		60.84
26 55 63 00-0017	EA	24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,559.47		70.99
26 55 63 00-0018	EA	24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,575.98		70.99
26 55 63 00-0019	EA	24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 18 Gauge, Maximum Security Recessed Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,580.94		70.99
<b>26 55 63 00-0020</b>		<b>Maximum Security Surface Luminaire</b> <small>(26 55 63)</small> Note: Cooper Lighting Fail-Safe FUS Series.			
26 55 63 00-0021	EA	12" x 24", Two 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,123.94		50.68
26 55 63 00-0022	EA	12" x 24", Three 32 Watt, T8 Fluorescent Lamps, 12 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,389.06		50.68
26 55 63 00-0023	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,066.13		50.68
26 55 63 00-0024	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,071.09		50.68
26 55 63 00-0025	EA	16" x 24", Two 17 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,065.00		60.84
26 55 63 00-0026	EA	16" x 48", Two 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,291.60		65.91
26 55 63 00-0027	EA	16" x 48", Three 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,325.46		65.91
26 55 63 00-0028	EA	16" x 48", Four 32 Watt, T8 Fluorescent Lamps, 14 Gauge, Maximum Security Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,330.41		65.91
<b>26 55 63 00-0029</b>		<b>Ultimax Security Surface Luminaire</b> <small>(26 55 63)</small> Note: Cooper Lighting Fail-Safe FMS Series.			
26 55 63 00-0030	EA	12" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,008.32		50.68
26 55 63 00-0031	EA	12" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,302.34		50.68
26 55 63 00-0032	EA	24" x 24", Two 17 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,122.81		60.84

<b>Electrical</b>	<b>26</b>
<b>Lighting</b>	<b>26 50</b>
<b>Special Purpose Lighting</b>	<b>26 55</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 55 63 00-0033	EA		24" x 48", Two 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire ..... Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,154.77	70.99
26 55 63 00-0034	EA		24" x 48", Three 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire..... Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,159.73	70.99
26 55 63 00-0035	EA		24" x 48", Four 32 Watt, T8 Fluorescent Lamps, 16 Gauge, Ultimax Surface Luminaire..... Note: Includes one electronic ballast for T8 lamps, 0.125" prismatic acrylic fixture side lens and 0.250" clear tempered glass environmental side lens.	1,164.69	70.99
<b>26 55 63 00-0036</b>			<b>Maximum Security Wall Luminaire</b> <sup>(26 55 63)</sup> Note: Cooper Lighting Fail-Safe FMW Series.		
26 55 63 00-0037	EA		10-1/2" x 48", Two 32 Watt, T8 Fluorescent Lamps, 1 Up, 1 Down, 14 Gauge, Maximum Security Wall Luminaire ..... Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,355.20	50.87
26 55 63 00-0038	EA		10-1/2" x 48", Three 32 Watt, T8 Fluorescent Lamps, 1 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire..... Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,360.15	50.87
26 55 63 00-0039	EA		10-1/2" x 48", Four 32 Watt, T8 Fluorescent Lamps, 2 Up, 2 Down, 14 Gauge, Maximum Security Wall Luminaire..... Note: Includes one electronic ballast for T8 lamps, 0.005" UV absorbing overlay inner layer lens and 0.375" clear polycarbonate environmental side lens.	1,365.11	50.87

**26 56 Exterior Lighting** <sup>(26 50)</sup>

**26 56 13 Lighting Poles and Standards** <sup>(26 56)</sup>

26 56 13 00-0001			<b>Standards And Arms</b> <sup>(26 56 13)</sup> Note: As manufactured by Hapco Aluminum Pole Products.		
26 56 13 00-0002			<b>Roadway Light Poles</b> <sup>(26 56 13 00-0001)</sup> Note: Excludes lighting fixtures.		
26 56 13 00-0003			<b>Steel Roadway Light Poles</b> <sup>(26 56 13 00-0002)</sup> Note: Includes prime painted finish, anchor bolts, steel base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
26 56 13 00-0004			<b>Round Tapered, Steel Roadway Light Poles</b> <sup>(26 56 13 00-0003)</sup>		
26 56 13 00-0005			<b>Round Tapered, Steel Roadway Light Poles With Upsweep Style Arms</b> <sup>(26 56 13 00-0004)</sup>		
26 56 13 00-0006			<b>Round Tapered, Steel Roadway Light Poles With Single Upsweep Style Arm</b> <sup>(26 56 13 00-0005)</sup>		
26 56 13 00-0007	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,323.82 70.29 -83.10 -166.19 -273.81	490.39
26 56 13 00-0008	EA		20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,329.60 70.46 -83.24 -166.48 -274.24	490.39
26 56 13 00-0009	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,690.84 71.49 -92.27 -184.54 -309.51	653.85
26 56 13 00-0010	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,760.48 73.58 -94.01 -188.02 -314.73	653.85
26 56 13 00-0011	EA		25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	3,830.11 75.67 -95.75 -191.51 -319.95	653.85
26 56 13 00-0012	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,008.24 76.11 -100.21 -200.41 -337.40	735.59
26 56 13 00-0013	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base..... For Galvanized Finish, Add For >10 To 20, Deduct For >20 To 40, Deduct For >40, Deduct	4,041.26 77.10 -101.03 -202.06 -339.87	735.59

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0014	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base .....	4,047.54	735.59
	<i>For Galvanized Finish, Add</i> .....	77.29	
	<i>For &gt;10 To 20, Deduct</i> .....	-101.19	
	<i>For &gt;20 To 40, Deduct</i> .....	-202.38	
	<i>For &gt;40, Deduct</i> .....	-340.34	
26 56 13 00-0015	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	4,246.50	776.45
	<i>For Galvanized Finish, Add</i> .....	80.81	
	<i>For &gt;10 To 20, Deduct</i> .....	-106.16	
	<i>For &gt;20 To 40, Deduct</i> .....	-212.33	
	<i>For &gt;40, Deduct</i> .....	-357.31	
26 56 13 00-0016	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	4,271.44	776.45
	<i>For Galvanized Finish, Add</i> .....	81.56	
	<i>For &gt;10 To 20, Deduct</i> .....	-106.79	
	<i>For &gt;20 To 40, Deduct</i> .....	-213.57	
	<i>For &gt;40, Deduct</i> .....	-359.18	
26 56 13 00-0017	EA 35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base .....	4,298.67	776.45
	<i>For Galvanized Finish, Add</i> .....	82.37	
	<i>For &gt;10 To 20, Deduct</i> .....	-107.47	
	<i>For &gt;20 To 40, Deduct</i> .....	-214.93	
	<i>For &gt;40, Deduct</i> .....	-361.22	
26 56 13 00-0018	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base .....	4,868.24	817.32
	<i>For Galvanized Finish, Add</i> .....	97.01	
	<i>For &gt;10 To 20, Deduct</i> .....	-121.71	
	<i>For &gt;20 To 40, Deduct</i> .....	-243.41	
	<i>For &gt;40, Deduct</i> .....	-405.98	
26 56 13 00-0019	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base .....	4,877.12	817.32
	<i>For Galvanized Finish, Add</i> .....	97.28	
	<i>For &gt;10 To 20, Deduct</i> .....	-121.93	
	<i>For &gt;20 To 40, Deduct</i> .....	-243.86	
	<i>For &gt;40, Deduct</i> .....	-406.65	
26 56 13 00-0020	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base .....	4,885.90	817.32
	<i>For Galvanized Finish, Add</i> .....	97.54	
	<i>For &gt;10 To 20, Deduct</i> .....	-122.15	
	<i>For &gt;20 To 40, Deduct</i> .....	-244.30	
	<i>For &gt;40, Deduct</i> .....	-407.31	
<b>26 56 13 00-0021 Round Tapered, Steel Roadway Light Poles With Two Upsweep Style Arms</b> <small>(26 56 13 00-0005)</small>			
26 56 13 00-0022	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	4,119.28	572.12
	<i>For Galvanized Finish, Add</i> .....	89.25	
	<i>For &gt;10 To 20, Deduct</i> .....	-102.98	
	<i>For &gt;20 To 40, Deduct</i> .....	-205.96	
	<i>For &gt;40, Deduct</i> .....	-337.55	
26 56 13 00-0023	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	4,197.35	592.56
	<i>For Galvanized Finish, Add</i> .....	90.37	
	<i>For &gt;10 To 20, Deduct</i> .....	-104.93	
	<i>For &gt;20 To 40, Deduct</i> .....	-209.87	
	<i>For &gt;40, Deduct</i> .....	-344.43	
26 56 13 00-0024	EA 20' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	4,266.26	612.98
	<i>For Galvanized Finish, Add</i> .....	91.21	
	<i>For &gt;10 To 20, Deduct</i> .....	-106.66	
	<i>For &gt;20 To 40, Deduct</i> .....	-213.31	
	<i>For &gt;40, Deduct</i> .....	-350.62	
26 56 13 00-0025	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	4,204.97	735.59
	<i>For Galvanized Finish, Add</i> .....	82.01	
	<i>For &gt;10 To 20, Deduct</i> .....	-105.12	
	<i>For &gt;20 To 40, Deduct</i> .....	-210.25	
	<i>For &gt;40, Deduct</i> .....	-352.15	
26 56 13 00-0026	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base .....	4,260.61	756.01
	<i>For Galvanized Finish, Add</i> .....	82.46	
	<i>For &gt;10 To 20, Deduct</i> .....	-106.52	
	<i>For &gt;20 To 40, Deduct</i> .....	-213.03	
	<i>For &gt;40, Deduct</i> .....	-357.35	
26 56 13 00-0027	EA 25' High, 5.9" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base .....	4,307.45	776.45
	<i>For Galvanized Finish, Add</i> .....	82.64	
	<i>For &gt;10 To 20, Deduct</i> .....	-107.69	
	<i>For &gt;20 To 40, Deduct</i> .....	-215.37	
	<i>For &gt;40, Deduct</i> .....	-361.88	
26 56 13 00-0028	EA 30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base .....	4,550.80	817.32
	<i>For Galvanized Finish, Add</i> .....	87.49	
	<i>For &gt;10 To 20, Deduct</i> .....	-113.77	
	<i>For &gt;20 To 40, Deduct</i> .....	-227.54	
	<i>For &gt;40, Deduct</i> .....	-382.18	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0029	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base ..... 4,600.65		837.74
			For Galvanized Finish, Add ..... 87.75		
			For >10 To 20, Deduct ..... -115.02		
			For >20 To 40, Deduct ..... -230.03		
			For >40, Deduct ..... -386.94		
26 56 13 00-0030	EA		30' High, 6.6" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base ..... 4,647.20		858.18
			For Galvanized Finish, Add ..... 87.93		
			For >10 To 20, Deduct ..... -116.18		
			For >20 To 40, Deduct ..... -232.36		
			For >40, Deduct ..... -391.45		
26 56 13 00-0031	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base ..... 4,823.58		858.18
			For Galvanized Finish, Add ..... 93.22		
			For >10 To 20, Deduct ..... -120.59		
			For >20 To 40, Deduct ..... -241.18		
			For >40, Deduct ..... -404.68		
26 56 13 00-0032	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base ..... 4,903.06		878.61
			For Galvanized Finish, Add ..... 94.37		
			For >10 To 20, Deduct ..... -122.58		
			For >20 To 40, Deduct ..... -245.15		
			For >40, Deduct ..... -411.66		
26 56 13 00-0033	EA		35' High, 7.3" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base ..... 4,980.54		899.05
			For Galvanized Finish, Add ..... 95.47		
			For >10 To 20, Deduct ..... -124.51		
			For >20 To 40, Deduct ..... -249.03		
			For >40, Deduct ..... -418.49		
26 56 13 00-0034	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base ..... 5,411.01		899.05
			For Galvanized Finish, Add ..... 108.39		
			For >10 To 20, Deduct ..... -135.28		
			For >20 To 40, Deduct ..... -270.55		
			For >40, Deduct ..... -450.78		
26 56 13 00-0035	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base ..... 5,457.67		919.47
			For Galvanized Finish, Add ..... 108.56		
			For >10 To 20, Deduct ..... -136.44		
			For >20 To 40, Deduct ..... -272.88		
			For >40, Deduct ..... -455.30		
26 56 13 00-0036	EA		40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base ..... 5,504.52		939.91
			For Galvanized Finish, Add ..... 108.74		
			For >10 To 20, Deduct ..... -137.61		
			For >20 To 40, Deduct ..... -275.23		
			For >40, Deduct ..... -459.83		
<b>26 56 13 00-0037 Round Tapered, Steel Roadway Light Poles With Three Upsweep Style Arms</b>					
<small>(26 56 13 00-0005)</small>					
26 56 13 00-0038	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base ..... 4,915.33		817.32
			For Galvanized Finish, Add ..... 98.42		
			For >10 To 20, Deduct ..... -122.88		
			For >20 To 40, Deduct ..... -245.77		
			For >40, Deduct ..... -409.52		
26 56 13 00-0039	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base ..... 5,002.96		858.18
			For Galvanized Finish, Add ..... 98.60		
			For >10 To 20, Deduct ..... -125.07		
			For >20 To 40, Deduct ..... -250.15		
			For >40, Deduct ..... -418.13		
26 56 13 00-0040	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base ..... 5,099.35		899.05
			For Galvanized Finish, Add ..... 99.04		
			For >10 To 20, Deduct ..... -127.48		
			For >20 To 40, Deduct ..... -254.97		
			For >40, Deduct ..... -427.40		
26 56 13 00-0041	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base ..... 5,225.85		899.05
			For Galvanized Finish, Add ..... 102.83		
			For >10 To 20, Deduct ..... -130.65		
			For >20 To 40, Deduct ..... -261.29		
			For >40, Deduct ..... -436.89		
26 56 13 00-0042	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base ..... 5,316.26		939.91
			For Galvanized Finish, Add ..... 103.09		
			For >10 To 20, Deduct ..... -132.91		
			For >20 To 40, Deduct ..... -265.81		
			For >40, Deduct ..... -445.72		
26 56 13 00-0043	EA		30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base ..... 5,403.88		980.78
			For Galvanized Finish, Add ..... 103.27		
			For >10 To 20, Deduct ..... -135.10		
			For >20 To 40, Deduct ..... -270.19		
			For >40, Deduct ..... -454.33		

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0044	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....	5,548.41	939.91
	For Galvanized Finish, Add .....	110.06	
	For >10 To 20, Deduct .....	-138.71	
	For >20 To 40, Deduct .....	-277.42	
	For >40, Deduct .....	-463.13	
26 56 13 00-0045	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....	5,636.03	980.78
	For Galvanized Finish, Add .....	110.23	
	For >10 To 20, Deduct .....	-140.90	
	For >20 To 40, Deduct .....	-281.80	
	For >40, Deduct .....	-471.74	
26 56 13 00-0046	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base .....	5,723.64	1,021.64
	For Galvanized Finish, Add .....	110.41	
	For >10 To 20, Deduct .....	-143.09	
	For >20 To 40, Deduct .....	-286.18	
	For >40, Deduct .....	-480.36	
26 56 13 00-0047	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base .....	5,953.77	980.78
	For Galvanized Finish, Add .....	119.77	
	For >10 To 20, Deduct .....	-148.84	
	For >20 To 40, Deduct .....	-297.69	
	For >40, Deduct .....	-495.57	
26 56 13 00-0048	EA 40' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base .....	6,041.09	1,021.64
	For Galvanized Finish, Add .....	119.93	
	For >10 To 20, Deduct .....	-151.03	
	For >20 To 40, Deduct .....	-302.05	
	For >40, Deduct .....	-504.16	
26 56 13 00-0049	EA 40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base .....	6,134.59	1,062.51
	For Galvanized Finish, Add .....	120.29	
	For >10 To 20, Deduct .....	-153.36	
	For >20 To 40, Deduct .....	-306.73	
	For >40, Deduct .....	-513.22	
<b>26 56 13 00-0050 Round Tapered, Steel Roadway Light Poles With Four Upsweep Style</b>			
<b>Arms (26 56 13 00-0005)</b>			
26 56 13 00-0051	EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base .....	5,461.00	899.05
	For Galvanized Finish, Add .....	109.89	
	For >10 To 20, Deduct .....	-136.53	
	For >20 To 40, Deduct .....	-273.05	
	For >40, Deduct .....	-454.53	
26 56 13 00-0052	EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base .....	5,592.37	960.34
	For Galvanized Finish, Add .....	110.15	
	For >10 To 20, Deduct .....	-139.81	
	For >20 To 40, Deduct .....	-279.62	
	For >40, Deduct .....	-467.45	
26 56 13 00-0053	EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base .....	5,720.75	1,021.64
	For Galvanized Finish, Add .....	110.32	
	For >10 To 20, Deduct .....	-143.02	
	For >20 To 40, Deduct .....	-286.04	
	For >40, Deduct .....	-480.14	
26 56 13 00-0054	EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base .....	5,807.52	980.78
	For Galvanized Finish, Add .....	115.38	
	For >10 To 20, Deduct .....	-145.19	
	For >20 To 40, Deduct .....	-290.38	
	For >40, Deduct .....	-484.60	
26 56 13 00-0055	EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base .....	5,936.31	1,042.08
	For Galvanized Finish, Add .....	115.56	
	For >10 To 20, Deduct .....	-148.41	
	For >20 To 40, Deduct .....	-296.82	
	For >40, Deduct .....	-497.33	
26 56 13 00-0056	EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base .....	6,031.17	1,103.37
	For Galvanized Finish, Add .....	114.73	
	For >10 To 20, Deduct .....	-150.78	
	For >20 To 40, Deduct .....	-301.56	
	For >40, Deduct .....	-507.51	
26 56 13 00-0057	EA 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base .....	6,223.36	1,021.64
	For Galvanized Finish, Add .....	125.40	
	For >10 To 20, Deduct .....	-155.58	
	For >20 To 40, Deduct .....	-311.17	
	For >40, Deduct .....	-517.83	
26 56 13 00-0058	EA 35' High, 9.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base .....	6,391.85	1,082.94
	For Galvanized Finish, Add .....	126.78	
	For >10 To 20, Deduct .....	-159.80	
	For >20 To 40, Deduct .....	-319.59	
	For >40, Deduct .....	-533.54	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0059	EA		35' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,483.42	1,144.24
			<i>For Galvanized Finish, Add</i> .....	125.85	
			<i>For &gt;10 To 20, Deduct</i> .....	-162.09	
			<i>For &gt;20 To 40, Deduct</i> .....	-324.17	
			<i>For &gt;40, Deduct</i> .....	-543.47	
26 56 13 00-0060	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,496.23	1,062.51
			<i>For Galvanized Finish, Add</i> .....	131.14	
			<i>For &gt;10 To 20, Deduct</i> .....	-162.41	
			<i>For &gt;20 To 40, Deduct</i> .....	-324.81	
			<i>For &gt;40, Deduct</i> .....	-540.34	
26 56 13 00-0061	EA		40' High, 10.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,624.63	1,123.81
			<i>For Galvanized Finish, Add</i> .....	131.31	
			<i>For &gt;10 To 20, Deduct</i> .....	-165.62	
			<i>For &gt;20 To 40, Deduct</i> .....	-331.23	
			<i>For &gt;40, Deduct</i> .....	-553.04	
26 56 13 00-0062	EA		40' High, 10.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	6,756.00	1,185.10
			<i>For Galvanized Finish, Add</i> .....	131.57	
			<i>For &gt;10 To 20, Deduct</i> .....	-168.90	
			<i>For &gt;20 To 40, Deduct</i> .....	-337.80	
			<i>For &gt;40, Deduct</i> .....	-565.96	
26 56 13 00-0063			Round Tapered, Steel Roadway Light Poles With Davit Style Arm <small>(26 56 13 00-0004)</small>		
26 56 13 00-0064			Round Tapered, Steel Roadway Light Poles With Single Davit Style Arm <small>(26 56 13 00-0063)</small>		
26 56 13 00-0065	EA		25' High, 6.4" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	3,906.33	653.85
			<i>For Galvanized Finish, Add</i> .....	77.96	
			<i>For &gt;10 To 20, Deduct</i> .....	-97.66	
			<i>For &gt;20 To 40, Deduct</i> .....	-195.32	
			<i>For &gt;40, Deduct</i> .....	-325.67	
26 56 13 00-0066	EA		30' High, 7.1" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,418.07	735.59
			<i>For Galvanized Finish, Add</i> .....	88.41	
			<i>For &gt;10 To 20, Deduct</i> .....	-110.45	
			<i>For &gt;20 To 40, Deduct</i> .....	-220.90	
			<i>For &gt;40, Deduct</i> .....	-368.13	
26 56 13 00-0067	EA		35' High, 7.8" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	4,548.28	776.45
			<i>For Galvanized Finish, Add</i> .....	89.86	
			<i>For &gt;10 To 20, Deduct</i> .....	-113.71	
			<i>For &gt;20 To 40, Deduct</i> .....	-227.41	
			<i>For &gt;40, Deduct</i> .....	-379.94	
26 56 13 00-0068	EA		40' High, 9.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 6.5' Davit Style Arm, Anchor Base.....	5,373.84	817.32
			<i>For Galvanized Finish, Add</i> .....	112.18	
			<i>For &gt;10 To 20, Deduct</i> .....	-134.35	
			<i>For &gt;20 To 40, Deduct</i> .....	-268.69	
			<i>For &gt;40, Deduct</i> .....	-443.90	
26 56 13 00-0069			Round Tapered, Steel Roadway Light Poles With Truss Style Arms <small>(26 56 13 00-0004)</small>		
26 56 13 00-0070			Round Tapered, Steel Roadway Light Poles With Single Truss Style Arm <small>(26 56 13 00-0069)</small>		
26 56 13 00-0071	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,946.56	653.85
			<i>For Galvanized Finish, Add</i> .....	109.17	
			<i>For &gt;10 To 20, Deduct</i> .....	-123.66	
			<i>For &gt;20 To 40, Deduct</i> .....	-247.33	
			<i>For &gt;40, Deduct</i> .....	-403.68	
26 56 13 00-0072	EA		25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,991.16	653.85
			<i>For Galvanized Finish, Add</i> .....	110.50	
			<i>For &gt;10 To 20, Deduct</i> .....	-124.78	
			<i>For &gt;20 To 40, Deduct</i> .....	-249.56	
			<i>For &gt;40, Deduct</i> .....	-407.03	
26 56 13 00-0073	EA		25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,011.51	653.85
			<i>For Galvanized Finish, Add</i> .....	111.11	
			<i>For &gt;10 To 20, Deduct</i> .....	-125.29	
			<i>For &gt;20 To 40, Deduct</i> .....	-250.58	
			<i>For &gt;40, Deduct</i> .....	-408.56	
26 56 13 00-0074	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,154.62	735.59
			<i>For Galvanized Finish, Add</i> .....	110.50	
			<i>For &gt;10 To 20, Deduct</i> .....	-128.87	
			<i>For &gt;20 To 40, Deduct</i> .....	-257.73	
			<i>For &gt;40, Deduct</i> .....	-423.38	
26 56 13 00-0075	EA		30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,162.40	735.59
			<i>For Galvanized Finish, Add</i> .....	110.74	
			<i>For &gt;10 To 20, Deduct</i> .....	-129.06	
			<i>For &gt;20 To 40, Deduct</i> .....	-258.12	
			<i>For &gt;40, Deduct</i> .....	-423.96	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0076	EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base .....	5,242.81	735.59
	<i>For Galvanized Finish, Add</i> .....	113.15	
	<i>For &gt;10 To 20, Deduct</i> .....	-131.07	
	<i>For &gt;20 To 40, Deduct</i> .....	-262.14	
	<i>For &gt;40, Deduct</i> .....	-429.99	
26 56 13 00-0077	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base .....	5,262.78	776.45
	<i>For Galvanized Finish, Add</i> .....	111.30	
	<i>For &gt;10 To 20, Deduct</i> .....	-131.57	
	<i>For &gt;20 To 40, Deduct</i> .....	-263.14	
	<i>For &gt;40, Deduct</i> .....	-433.53	
26 56 13 00-0078	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base .....	5,309.87	776.45
	<i>For Galvanized Finish, Add</i> .....	112.71	
	<i>For &gt;10 To 20, Deduct</i> .....	-132.75	
	<i>For &gt;20 To 40, Deduct</i> .....	-265.49	
	<i>For &gt;40, Deduct</i> .....	-437.06	
26 56 13 00-0079	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base .....	5,556.79	776.45
	<i>For Galvanized Finish, Add</i> .....	120.12	
	<i>For &gt;10 To 20, Deduct</i> .....	-138.92	
	<i>For &gt;20 To 40, Deduct</i> .....	-277.84	
	<i>For &gt;40, Deduct</i> .....	-455.58	
<b>26 56 13 00-0080</b>	<b>Round Tapered, Steel Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0069)</small>		
26 56 13 00-0081	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base .....	6,459.87	817.32
	<i>For Galvanized Finish, Add</i> .....	144.76	
	<i>For &gt;10 To 20, Deduct</i> .....	-161.50	
	<i>For &gt;20 To 40, Deduct</i> .....	-322.99	
	<i>For &gt;40, Deduct</i> .....	-525.36	
26 56 13 00-0082	EA 25' High, 6.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base .....	6,584.31	858.18
	<i>For Galvanized Finish, Add</i> .....	146.04	
	<i>For &gt;10 To 20, Deduct</i> .....	-164.61	
	<i>For &gt;20 To 40, Deduct</i> .....	-329.22	
	<i>For &gt;40, Deduct</i> .....	-536.73	
26 56 13 00-0083	EA 25' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base .....	6,833.64	899.05
	<i>For Galvanized Finish, Add</i> .....	151.07	
	<i>For &gt;10 To 20, Deduct</i> .....	-170.84	
	<i>For &gt;20 To 40, Deduct</i> .....	-341.68	
	<i>For &gt;40, Deduct</i> .....	-557.48	
26 56 13 00-0084	EA 30' High, 7.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base .....	6,598.60	899.05
	<i>For Galvanized Finish, Add</i> .....	144.02	
	<i>For &gt;10 To 20, Deduct</i> .....	-164.97	
	<i>For &gt;20 To 40, Deduct</i> .....	-329.93	
	<i>For &gt;40, Deduct</i> .....	-539.85	
26 56 13 00-0085	EA 30' High, 7.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base .....	6,900.90	939.91
	<i>For Galvanized Finish, Add</i> .....	150.63	
	<i>For &gt;10 To 20, Deduct</i> .....	-172.52	
	<i>For &gt;20 To 40, Deduct</i> .....	-345.05	
	<i>For &gt;40, Deduct</i> .....	-564.56	
26 56 13 00-0086	EA 30' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base .....	7,091.17	980.78
	<i>For Galvanized Finish, Add</i> .....	153.89	
	<i>For &gt;10 To 20, Deduct</i> .....	-177.28	
	<i>For &gt;20 To 40, Deduct</i> .....	-354.56	
	<i>For &gt;40, Deduct</i> .....	-580.88	
26 56 13 00-0087	EA 35' High, 8.0" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base .....	6,803.53	939.91
	<i>For Galvanized Finish, Add</i> .....	147.71	
	<i>For &gt;10 To 20, Deduct</i> .....	-170.09	
	<i>For &gt;20 To 40, Deduct</i> .....	-340.18	
	<i>For &gt;40, Deduct</i> .....	-557.26	
26 56 13 00-0088	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base .....	7,199.92	980.78
	<i>For Galvanized Finish, Add</i> .....	157.15	
	<i>For &gt;10 To 20, Deduct</i> .....	-180.00	
	<i>For &gt;20 To 40, Deduct</i> .....	-360.00	
	<i>For &gt;40, Deduct</i> .....	-589.03	
26 56 13 00-0089	EA 35' High, 8.5" Base OD, 7 Gauge, Round Tapered, Steel Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base .....	7,443.26	1,021.64
	<i>For Galvanized Finish, Add</i> .....	162.00	
	<i>For &gt;10 To 20, Deduct</i> .....	-186.08	
	<i>For &gt;20 To 40, Deduct</i> .....	-372.16	
	<i>For &gt;40, Deduct</i> .....	-609.33	
<b>26 56 13 00-0090</b>	<b>Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0002)</small> Note: Includes satin finish, anchor bolts, cast aluminum base with nut covers, reinforced handhole with cover and grounding provisions, and fixture arm(s).		
<b>26 56 13 00-0091</b>	<b>Round Tapered, Aluminum Roadway Light Poles</b> <small>(26 56 13 00-0090)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0092			Round Tapered, Aluminum Roadway Light Poles With Upsweep Style Arms <small>(26 56 13 00-0091)</small>		
26 56 13 00-0093			Round Tapered, Aluminum Roadway Light Poles With Single Upsweep Style Arm <small>(26 56 13 00-0092)</small>		
26 56 13 00-0094	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,019.86	490.39
			<i>For &gt;10 To 20, Deduct</i>	-75.50	
			<i>For &gt;20 To 40, Deduct</i>	-150.99	
			<i>For &gt;40, Deduct</i>	-251.01	
26 56 13 00-0095	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,044.54	490.39
			<i>For &gt;10 To 20, Deduct</i>	-76.11	
			<i>For &gt;20 To 40, Deduct</i>	-152.23	
			<i>For &gt;40, Deduct</i>	-252.86	
26 56 13 00-0096	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	3,719.37	653.85
			<i>For &gt;10 To 20, Deduct</i>	-92.98	
			<i>For &gt;20 To 40, Deduct</i>	-185.97	
			<i>For &gt;40, Deduct</i>	-311.65	
26 56 13 00-0097	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	3,766.00	653.85
			<i>For &gt;10 To 20, Deduct</i>	-94.15	
			<i>For &gt;20 To 40, Deduct</i>	-188.30	
			<i>For &gt;40, Deduct</i>	-315.14	
26 56 13 00-0098	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	3,808.90	653.85
			<i>For &gt;10 To 20, Deduct</i>	-95.22	
			<i>For &gt;20 To 40, Deduct</i>	-190.45	
			<i>For &gt;40, Deduct</i>	-318.36	
26 56 13 00-0099	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,264.42	735.59
			<i>For &gt;10 To 20, Deduct</i>	-106.61	
			<i>For &gt;20 To 40, Deduct</i>	-213.22	
			<i>For &gt;40, Deduct</i>	-356.61	
26 56 13 00-0100	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	4,303.77	735.59
			<i>For &gt;10 To 20, Deduct</i>	-107.59	
			<i>For &gt;20 To 40, Deduct</i>	-215.19	
			<i>For &gt;40, Deduct</i>	-359.56	
26 56 13 00-0101	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	4,347.78	735.59
			<i>For &gt;10 To 20, Deduct</i>	-108.69	
			<i>For &gt;20 To 40, Deduct</i>	-217.39	
			<i>For &gt;40, Deduct</i>	-362.86	
26 56 13 00-0102	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Upsweep Style Arm, Anchor Base.....	4,968.72	776.45
			<i>For &gt;10 To 20, Deduct</i>	-124.22	
			<i>For &gt;20 To 40, Deduct</i>	-248.44	
			<i>For &gt;40, Deduct</i>	-411.48	
26 56 13 00-0103	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Upsweep Style Arm, Anchor Base.....	5,007.97	776.45
			<i>For &gt;10 To 20, Deduct</i>	-125.20	
			<i>For &gt;20 To 40, Deduct</i>	-250.40	
			<i>For &gt;40, Deduct</i>	-414.42	
26 56 13 00-0104	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Upsweep Style Arm, Anchor Base.....	5,040.85	776.45
			<i>For &gt;10 To 20, Deduct</i>	-126.02	
			<i>For &gt;20 To 40, Deduct</i>	-252.04	
			<i>For &gt;40, Deduct</i>	-416.89	
26 56 13 00-0105			Round Tapered, Aluminum Roadway Light Poles With Two Upsweep Style Arms <small>(26 56 13 00-0092)</small>		
26 56 13 00-0106	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	3,463.54	572.12
			<i>For &gt;10 To 20, Deduct</i>	-86.59	
			<i>For &gt;20 To 40, Deduct</i>	-173.18	
			<i>For &gt;40, Deduct</i>	-288.37	
26 56 13 00-0107	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	3,705.43	572.12
			<i>For &gt;10 To 20, Deduct</i>	-92.64	
			<i>For &gt;20 To 40, Deduct</i>	-185.27	
			<i>For &gt;40, Deduct</i>	-306.51	
26 56 13 00-0108	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base.....	3,834.31	612.98
			<i>For &gt;10 To 20, Deduct</i>	-95.86	
			<i>For &gt;20 To 40, Deduct</i>	-191.72	
			<i>For &gt;40, Deduct</i>	-318.22	
26 56 13 00-0109	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base.....	4,149.80	735.59
			<i>For &gt;10 To 20, Deduct</i>	-103.75	
			<i>For &gt;20 To 40, Deduct</i>	-207.49	
			<i>For &gt;40, Deduct</i>	-348.01	
26 56 13 00-0110	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base.....	4,344.64	756.01
			<i>For &gt;10 To 20, Deduct</i>	-108.62	
			<i>For &gt;20 To 40, Deduct</i>	-217.23	
			<i>For &gt;40, Deduct</i>	-363.65	



**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0111	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	4,622.74	776.45
	For >10 To 20, Deduct	-115.57	
	For >20 To 40, Deduct	-231.14	
	For >40, Deduct	-385.53	
26 56 13 00-0112	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	4,779.63	817.32
	For >10 To 20, Deduct	-119.49	
	For >20 To 40, Deduct	-238.98	
	For >40, Deduct	-399.34	
26 56 13 00-0113	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	4,963.35	837.74
	For >10 To 20, Deduct	-124.08	
	For >20 To 40, Deduct	-248.17	
	For >40, Deduct	-414.14	
26 56 13 00-0114	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	5,186.11	858.18
	For >10 To 20, Deduct	-129.65	
	For >20 To 40, Deduct	-259.31	
	For >40, Deduct	-431.87	
26 56 13 00-0115	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 4' Upsweep Style Arms, Anchor Base	5,400.07	858.18
	For >10 To 20, Deduct	-135.00	
	For >20 To 40, Deduct	-270.00	
	For >40, Deduct	-447.91	
26 56 13 00-0116	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 6' Upsweep Style Arms, Anchor Base	5,886.27	878.61
	For >10 To 20, Deduct	-147.16	
	For >20 To 40, Deduct	-294.31	
	For >40, Deduct	-485.40	
26 56 13 00-0117	EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 8' Upsweep Style Arms, Anchor Base	6,450.66	899.05
	For >10 To 20, Deduct	-161.27	
	For >20 To 40, Deduct	-322.53	
	For >40, Deduct	-528.75	
<b>26 56 13 00-0118 Round Tapered, Aluminum Roadway Light Poles With Three Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>			
26 56 13 00-0119	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,016.39	653.85
	For >10 To 20, Deduct	-100.41	
	For >20 To 40, Deduct	-200.82	
	For >40, Deduct	-333.92	
26 56 13 00-0120	EA 20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	4,293.77	694.71
	For >10 To 20, Deduct	-107.34	
	For >20 To 40, Deduct	-214.69	
	For >40, Deduct	-356.77	
26 56 13 00-0121	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	4,891.01	817.32
	For >10 To 20, Deduct	-122.28	
	For >20 To 40, Deduct	-244.55	
	For >40, Deduct	-407.69	
26 56 13 00-0122	EA 25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,102.14	858.18
	For >10 To 20, Deduct	-127.55	
	For >20 To 40, Deduct	-255.11	
	For >40, Deduct	-425.57	
26 56 13 00-0123	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,343.41	899.05
	For >10 To 20, Deduct	-133.59	
	For >20 To 40, Deduct	-267.17	
	For >40, Deduct	-445.71	
26 56 13 00-0124	EA 30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	5,536.52	939.91
	For >10 To 20, Deduct	-138.41	
	For >20 To 40, Deduct	-276.83	
	For >40, Deduct	-462.23	
26 56 13 00-0125	EA 35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 4' Upsweep Style Arms, Anchor Base	5,768.19	939.91
	For >10 To 20, Deduct	-144.20	
	For >20 To 40, Deduct	-288.41	
	For >40, Deduct	-479.61	
26 56 13 00-0126	EA 35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 6' Upsweep Style Arms, Anchor Base	6,261.05	980.78
	For >10 To 20, Deduct	-156.53	
	For >20 To 40, Deduct	-313.05	
	For >40, Deduct	-518.62	
26 56 13 00-0127	EA 35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Three 8' Upsweep Style Arms, Anchor Base	11,949.20	1,021.64
	For >10 To 20, Deduct	-298.73	
	For >20 To 40, Deduct	-597.46	
	For >40, Deduct	-947.27	
<b>26 56 13 00-0128 Round Tapered, Aluminum Roadway Light Poles With Four Upsweep Style Arms</b> <small>(26 56 13 00-0092)</small>			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0129	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	4,179.24	735.59
			<i>For &gt;10 To 20, Deduct</i>	-104.48	
			<i>For &gt;20 To 40, Deduct</i>	-208.96	
			<i>For &gt;40, Deduct</i>	-350.22	
26 56 13 00-0130	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	4,327.35	735.59
			<i>For &gt;10 To 20, Deduct</i>	-108.18	
			<i>For &gt;20 To 40, Deduct</i>	-216.37	
			<i>For &gt;40, Deduct</i>	-361.33	
26 56 13 00-0131	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	5,352.62	899.05
			<i>For &gt;10 To 20, Deduct</i>	-133.82	
			<i>For &gt;20 To 40, Deduct</i>	-267.63	
			<i>For &gt;40, Deduct</i>	-446.40	
26 56 13 00-0132	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	5,790.95	960.34
			<i>For &gt;10 To 20, Deduct</i>	-144.77	
			<i>For &gt;20 To 40, Deduct</i>	-289.55	
			<i>For &gt;40, Deduct</i>	-482.34	
26 56 13 00-0133	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,033.53	980.78
			<i>For &gt;10 To 20, Deduct</i>	-150.84	
			<i>For &gt;20 To 40, Deduct</i>	-301.68	
			<i>For &gt;40, Deduct</i>	-501.55	
26 56 13 00-0134	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	6,439.09	1,042.08
			<i>For &gt;10 To 20, Deduct</i>	-160.98	
			<i>For &gt;20 To 40, Deduct</i>	-321.95	
			<i>For &gt;40, Deduct</i>	-535.04	
26 56 13 00-0135	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 4' Upsweep Style Arms, Anchor Base.....	6,350.07	1,021.64
			<i>For &gt;10 To 20, Deduct</i>	-158.75	
			<i>For &gt;20 To 40, Deduct</i>	-317.50	
			<i>For &gt;40, Deduct</i>	-527.34	
26 56 13 00-0136	EA		35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 6' Upsweep Style Arms, Anchor Base.....	7,197.72	1,082.94
			<i>For &gt;10 To 20, Deduct</i>	-179.94	
			<i>For &gt;20 To 40, Deduct</i>	-359.89	
			<i>For &gt;40, Deduct</i>	-593.98	
26 56 13 00-0137	EA		35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Four 8' Upsweep Style Arms, Anchor Base.....	7,949.36	1,144.24
			<i>For &gt;10 To 20, Deduct</i>	-198.73	
			<i>For &gt;20 To 40, Deduct</i>	-397.47	
			<i>For &gt;40, Deduct</i>	-653.41	
26 56 13 00-0138			<b>Round Tapered, Aluminum Roadway Light Poles With Truss Style Arms</b> <small>(26 56 13 00-0091)</small>		
26 56 13 00-0139			<b>Round Tapered, Aluminum Roadway Light Poles With Single Truss Style Arm</b> <small>(26 56 13 00-0138)</small>		
26 56 13 00-0140	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,404.66	653.85
			<i>For &gt;10 To 20, Deduct</i>	-110.12	
			<i>For &gt;20 To 40, Deduct</i>	-220.23	
			<i>For &gt;40, Deduct</i>	-363.04	
26 56 13 00-0141	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	4,437.64	653.85
			<i>For &gt;10 To 20, Deduct</i>	-110.94	
			<i>For &gt;20 To 40, Deduct</i>	-221.88	
			<i>For &gt;40, Deduct</i>	-365.52	
26 56 13 00-0142	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	4,521.91	653.85
			<i>For &gt;10 To 20, Deduct</i>	-113.05	
			<i>For &gt;20 To 40, Deduct</i>	-226.10	
			<i>For &gt;40, Deduct</i>	-371.84	
26 56 13 00-0143	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	4,648.36	653.85
			<i>For &gt;10 To 20, Deduct</i>	-116.21	
			<i>For &gt;20 To 40, Deduct</i>	-232.42	
			<i>For &gt;40, Deduct</i>	-381.32	
26 56 13 00-0144	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	4,959.12	735.59
			<i>For &gt;10 To 20, Deduct</i>	-123.98	
			<i>For &gt;20 To 40, Deduct</i>	-247.96	
			<i>For &gt;40, Deduct</i>	-408.71	
26 56 13 00-0145	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,033.48	735.59
			<i>For &gt;10 To 20, Deduct</i>	-125.84	
			<i>For &gt;20 To 40, Deduct</i>	-251.67	
			<i>For &gt;40, Deduct</i>	-414.29	
26 56 13 00-0146	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	5,112.79	735.59
			<i>For &gt;10 To 20, Deduct</i>	-127.82	
			<i>For &gt;20 To 40, Deduct</i>	-255.64	
			<i>For &gt;40, Deduct</i>	-420.24	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0147	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	5,591.20	735.59
			<i>For &gt;10 To 20, Deduct</i>	-139.78	
			<i>For &gt;20 To 40, Deduct</i>	-279.56	
			<i>For &gt;40, Deduct</i>	-456.12	
26 56	13 00-0148	EA	35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Truss Style Arm, Anchor Base.....	5,381.07	776.45
			<i>For &gt;10 To 20, Deduct</i>	-134.53	
			<i>For &gt;20 To 40, Deduct</i>	-269.05	
			<i>For &gt;40, Deduct</i>	-442.40	
26 56	13 00-0149	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 10' Truss Style Arm, Anchor Base.....	5,994.94	776.45
			<i>For &gt;10 To 20, Deduct</i>	-149.87	
			<i>For &gt;20 To 40, Deduct</i>	-299.75	
			<i>For &gt;40, Deduct</i>	-488.44	
26 56	13 00-0150	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 12' Truss Style Arm, Anchor Base.....	6,054.72	776.45
			<i>For &gt;10 To 20, Deduct</i>	-151.37	
			<i>For &gt;20 To 40, Deduct</i>	-302.74	
			<i>For &gt;40, Deduct</i>	-492.93	
26 56	13 00-0151	EA	35' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,434.29	776.45
			<i>For &gt;10 To 20, Deduct</i>	-160.86	
			<i>For &gt;20 To 40, Deduct</i>	-321.71	
			<i>For &gt;40, Deduct</i>	-521.39	
26 56	13 00-0152	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 15' Truss Style Arm, Anchor Base.....	6,780.48	776.45
			<i>For &gt;10 To 20, Deduct</i>	-169.51	
			<i>For &gt;20 To 40, Deduct</i>	-339.02	
			<i>For &gt;40, Deduct</i>	-547.36	
<b>26 56 13 00-0153 Round Tapered, Aluminum Roadway Light Poles With Two Truss Style Arms</b> <small>(26 56 13 00-0138)</small>					
26 56	13 00-0154	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	5,706.60	817.32
			<i>For &gt;10 To 20, Deduct</i>	-142.67	
			<i>For &gt;20 To 40, Deduct</i>	-285.33	
			<i>For &gt;40, Deduct</i>	-468.86	
26 56	13 00-0155	EA	25' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	5,872.61	858.18
			<i>For &gt;10 To 20, Deduct</i>	-146.82	
			<i>For &gt;20 To 40, Deduct</i>	-293.63	
			<i>For &gt;40, Deduct</i>	-483.35	
26 56	13 00-0156	EA	25' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	6,008.57	899.05
			<i>For &gt;10 To 20, Deduct</i>	-150.21	
			<i>For &gt;20 To 40, Deduct</i>	-300.43	
			<i>For &gt;40, Deduct</i>	-495.60	
26 56	13 00-0157	EA	30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	6,153.03	899.05
			<i>For &gt;10 To 20, Deduct</i>	-153.83	
			<i>For &gt;20 To 40, Deduct</i>	-307.65	
			<i>For &gt;40, Deduct</i>	-506.43	
26 56	13 00-0158	EA	30' High, 8" Base OD, 0.219" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	6,674.02	939.91
			<i>For &gt;10 To 20, Deduct</i>	-166.85	
			<i>For &gt;20 To 40, Deduct</i>	-333.70	
			<i>For &gt;40, Deduct</i>	-547.55	
26 56	13 00-0159	EA	30' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	7,622.43	980.78
			<i>For &gt;10 To 20, Deduct</i>	-190.56	
			<i>For &gt;20 To 40, Deduct</i>	-381.12	
			<i>For &gt;40, Deduct</i>	-620.72	
26 56	13 00-0160	EA	35' High, 8" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 10' Truss Style Arms, Anchor Base.....	7,369.12	939.91
			<i>For &gt;10 To 20, Deduct</i>	-184.23	
			<i>For &gt;20 To 40, Deduct</i>	-368.46	
			<i>For &gt;40, Deduct</i>	-599.68	
26 56	13 00-0161	EA	35' High, 10" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 12' Truss Style Arms, Anchor Base.....	7,521.47	980.78
			<i>For &gt;10 To 20, Deduct</i>	-188.04	
			<i>For &gt;20 To 40, Deduct</i>	-376.07	
			<i>For &gt;40, Deduct</i>	-613.15	
26 56	13 00-0162	EA	35' High, 10" Base OD, 0.250" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Two 15' Truss Style Arms, Anchor Base.....	9,085.26	1,021.64
			<i>For &gt;10 To 20, Deduct</i>	-227.13	
			<i>For &gt;20 To 40, Deduct</i>	-454.26	
			<i>For &gt;40, Deduct</i>	-732.48	
<b>26 56 13 00-0163 Round Tapered, Aluminum Roadway Light Poles With Davit Style Arm</b> <small>(26 56 13 00-0091)</small>					
<b>26 56 13 00-0164 Round Tapered, Aluminum Roadway Light Poles With Single Davit Style Arm</b> <small>(26 56 13 00-0163)</small>					

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0165	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	3,596.29	490.39
			<i>For &gt;10 To 20, Deduct</i>	-89.91	
			<i>For &gt;20 To 40, Deduct</i>	-179.61	
			<i>For &gt;40, Deduct</i>	-294.24	
26 56 13 00-0166	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	3,689.47	490.39
			<i>For &gt;10 To 20, Deduct</i>	-92.24	
			<i>For &gt;20 To 40, Deduct</i>	-184.47	
			<i>For &gt;40, Deduct</i>	-301.23	
26 56 13 00-0167	EA		20' High, 6" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	3,782.84	490.39
			<i>For &gt;10 To 20, Deduct</i>	-94.57	
			<i>For &gt;20 To 40, Deduct</i>	-189.14	
			<i>For &gt;40, Deduct</i>	-308.23	
26 56 13 00-0168	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,304.20	653.85
			<i>For &gt;10 To 20, Deduct</i>	-107.61	
			<i>For &gt;20 To 40, Deduct</i>	-215.21	
			<i>For &gt;40, Deduct</i>	-355.51	
26 56 13 00-0169	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,375.22	653.85
			<i>For &gt;10 To 20, Deduct</i>	-109.38	
			<i>For &gt;20 To 40, Deduct</i>	-218.76	
			<i>For &gt;40, Deduct</i>	-360.83	
26 56 13 00-0170	EA		25' High, 7" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,452.81	653.85
			<i>For &gt;10 To 20, Deduct</i>	-111.32	
			<i>For &gt;20 To 40, Deduct</i>	-222.64	
			<i>For &gt;40, Deduct</i>	-366.65	
26 56 13 00-0171	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	4,856.94	735.59
			<i>For &gt;10 To 20, Deduct</i>	-121.42	
			<i>For &gt;20 To 40, Deduct</i>	-242.85	
			<i>For &gt;40, Deduct</i>	-401.05	
26 56 13 00-0172	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	4,953.35	735.59
			<i>For &gt;10 To 20, Deduct</i>	-123.83	
			<i>For &gt;20 To 40, Deduct</i>	-247.67	
			<i>For &gt;40, Deduct</i>	-408.28	
26 56 13 00-0173	EA		30' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	4,967.82	735.59
			<i>For &gt;10 To 20, Deduct</i>	-124.20	
			<i>For &gt;20 To 40, Deduct</i>	-248.39	
			<i>For &gt;40, Deduct</i>	-409.37	
26 56 13 00-0174	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 4' Davit Style Arm, Anchor Base	5,281.72	776.45
			<i>For &gt;10 To 20, Deduct</i>	-132.04	
			<i>For &gt;20 To 40, Deduct</i>	-264.09	
			<i>For &gt;40, Deduct</i>	-434.95	
26 56 13 00-0175	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 6' Davit Style Arm, Anchor Base	5,324.01	776.45
			<i>For &gt;10 To 20, Deduct</i>	-133.10	
			<i>For &gt;20 To 40, Deduct</i>	-266.20	
			<i>For &gt;40, Deduct</i>	-438.12	
26 56 13 00-0176	EA		35' High, 8" Base OD, 0.188" Wall Thickness, Round Tapered, Aluminum Roadway Light Pole With Single 8' Davit Style Arm, Anchor Base	5,423.15	776.45
			<i>For &gt;10 To 20, Deduct</i>	-135.58	
			<i>For &gt;20 To 40, Deduct</i>	-271.16	
			<i>For &gt;40, Deduct</i>	-445.56	
26 56 13 00-0177			<b>Area Light Poles</b> <small>(26 56 13 00-0001)</small>		
			Note: Excludes lighting fixtures.		
26 56 13 00-0178			<b>Steel Area Light Poles</b> <small>(26 56 13 00-0177)</small>		
			Note: Includes powdercoat finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
26 56 13 00-0179			<b>Round Straight, Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56 13 00-0180			<b>Round Straight, Steel Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0179)</small>		
26 56 13 00-0181	EA		10' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,769.61	286.06
			<i>For Galvanized Finish, Add</i>	35.92	
			<i>For &gt;10 To 20, Deduct</i>	-62.20	
			<i>For &gt;20 To 40, Deduct</i>	-112.43	
			<i>For &gt;40, Deduct</i>	-236.84	
26 56 13 00-0182	EA		12' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	1,917.69	326.93
			<i>For Galvanized Finish, Add</i>	37.92	
			<i>For &gt;10 To 20, Deduct</i>	-66.90	
			<i>For &gt;20 To 40, Deduct</i>	-121.16	
			<i>For &gt;40, Deduct</i>	-254.96	
26 56 13 00-0183	EA		14' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,142.07	367.79
			<i>For Galvanized Finish, Add</i>	42.19	
			<i>For &gt;10 To 20, Deduct</i>	-74.65	
			<i>For &gt;20 To 40, Deduct</i>	-135.23	
			<i>For &gt;40, Deduct</i>	-284.53	
26 56 13 00-0184	EA		16' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base	2,373.07	408.66
			<i>For Galvanized Finish, Add</i>	46.67	
			<i>For &gt;10 To 20, Deduct</i>	-82.66	
			<i>For &gt;20 To 40, Deduct</i>	-149.77	
			<i>For &gt;40, Deduct</i>	-315.09	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0185	EA	18' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,521.14	449.52
			<i>For Galvanized Finish, Add</i>	48.66	
			<i>For &gt;10 To 20, Deduct</i>	-87.36	
			<i>For &gt;20 To 40, Deduct</i>	-158.50	
			<i>For &gt;40, Deduct</i>	-333.22	
26 56	13 00-0186	EA	20' High, 3" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,652.63	490.39
			<i>For Galvanized Finish, Add</i>	50.16	
			<i>For &gt;10 To 20, Deduct</i>	-91.39	
			<i>For &gt;20 To 40, Deduct</i>	-166.07	
			<i>For &gt;40, Deduct</i>	-348.86	
26 56	13 00-0187	EA	10' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,855.86	286.06
			<i>For Galvanized Finish, Add</i>	38.51	
			<i>For &gt;10 To 20, Deduct</i>	-65.65	
			<i>For &gt;20 To 40, Deduct</i>	-118.47	
			<i>For &gt;40, Deduct</i>	-249.77	
26 56	13 00-0188	EA	12' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,007.25	326.93
			<i>For Galvanized Finish, Add</i>	40.60	
			<i>For &gt;10 To 20, Deduct</i>	-70.48	
			<i>For &gt;20 To 40, Deduct</i>	-127.43	
			<i>For &gt;40, Deduct</i>	-268.40	
26 56	13 00-0189	EA	14' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,321.19	367.79
			<i>For Galvanized Finish, Add</i>	47.57	
			<i>For &gt;10 To 20, Deduct</i>	-81.81	
			<i>For &gt;20 To 40, Deduct</i>	-147.77	
			<i>For &gt;40, Deduct</i>	-311.40	
26 56	13 00-0190	EA	16' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,489.17	408.66
			<i>For Galvanized Finish, Add</i>	50.16	
			<i>For &gt;10 To 20, Deduct</i>	-87.31	
			<i>For &gt;20 To 40, Deduct</i>	-157.90	
			<i>For &gt;40, Deduct</i>	-332.51	
26 56	13 00-0191	EA	18' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,647.19	449.52
			<i>For Galvanized Finish, Add</i>	52.44	
			<i>For &gt;10 To 20, Deduct</i>	-92.40	
			<i>For &gt;20 To 40, Deduct</i>	-167.32	
			<i>For &gt;40, Deduct</i>	-352.13	
26 56	13 00-0192	EA	20' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,772.05	490.39
			<i>For Galvanized Finish, Add</i>	53.74	
			<i>For &gt;10 To 20, Deduct</i>	-96.17	
			<i>For &gt;20 To 40, Deduct</i>	-174.43	
			<i>For &gt;40, Deduct</i>	-366.77	
26 56	13 00-0193	EA	25' High, 4" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	3,221.70	653.85
			<i>For Galvanized Finish, Add</i>	57.42	
			<i>For &gt;10 To 20, Deduct</i>	-109.25	
			<i>For &gt;20 To 40, Deduct</i>	-199.37	
			<i>For &gt;40, Deduct</i>	-417.87	
26 56	13 00-0194	EA	10' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	1,855.86	286.06
			<i>For Galvanized Finish, Add</i>	38.51	
			<i>For &gt;10 To 20, Deduct</i>	-65.65	
			<i>For &gt;20 To 40, Deduct</i>	-118.47	
			<i>For &gt;40, Deduct</i>	-249.77	
26 56	13 00-0195	EA	12' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,017.20	326.93
			<i>For Galvanized Finish, Add</i>	40.90	
			<i>For &gt;10 To 20, Deduct</i>	-70.88	
			<i>For &gt;20 To 40, Deduct</i>	-128.13	
			<i>For &gt;40, Deduct</i>	-269.89	
26 56	13 00-0196	EA	14' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,374.27	367.79
			<i>For Galvanized Finish, Add</i>	49.16	
			<i>For &gt;10 To 20, Deduct</i>	-83.94	
			<i>For &gt;20 To 40, Deduct</i>	-151.49	
			<i>For &gt;40, Deduct</i>	-319.36	
26 56	13 00-0197	EA	16' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,499.12	408.66
			<i>For Galvanized Finish, Add</i>	50.45	
			<i>For &gt;10 To 20, Deduct</i>	-87.71	
			<i>For &gt;20 To 40, Deduct</i>	-158.59	
			<i>For &gt;40, Deduct</i>	-334.00	
26 56	13 00-0198	EA	18' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,647.19	449.52
			<i>For Galvanized Finish, Add</i>	52.44	
			<i>For &gt;10 To 20, Deduct</i>	-92.40	
			<i>For &gt;20 To 40, Deduct</i>	-167.32	
			<i>For &gt;40, Deduct</i>	-352.13	
26 56	13 00-0199	EA	20' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,772.05	490.39
			<i>For Galvanized Finish, Add</i>	53.74	
			<i>For &gt;10 To 20, Deduct</i>	-96.17	
			<i>For &gt;20 To 40, Deduct</i>	-174.43	
			<i>For &gt;40, Deduct</i>	-366.77	
26 56	13 00-0200	EA	25' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	3,314.58	653.85
			<i>For Galvanized Finish, Add</i>	60.21	
			<i>For &gt;10 To 20, Deduct</i>	-112.97	
			<i>For &gt;20 To 40, Deduct</i>	-205.87	
			<i>For &gt;40, Deduct</i>	-431.80	
26 56	13 00-0201	EA	30' High, 4-1/2" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	3,650.53	735.59
			<i>For Galvanized Finish, Add</i>	65.38	
			<i>For &gt;10 To 20, Deduct</i>	-123.95	
			<i>For &gt;20 To 40, Deduct</i>	-226.11	
			<i>For &gt;40, Deduct</i>	-474.02	
26 56	13 00-0202	EA	20' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	2,984.34	490.39
			<i>For Galvanized Finish, Add</i>	60.11	
			<i>For &gt;10 To 20, Deduct</i>	-104.66	
			<i>For &gt;20 To 40, Deduct</i>	-189.29	
			<i>For &gt;40, Deduct</i>	-398.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0203	EA		25' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	3,357.70	653.85
			For Galvanized Finish, Add	61.50	
			For >10 To 20, Deduct	-114.69	
			For >20 To 40, Deduct	-208.89	
			For >40, Deduct	-438.27	
26 56 13 00-0204	EA		30' High, 5" OD, 11 Gauge, Round Straight, Steel Area Light Pole, Anchor Base.....	3,733.46	735.59
			For Galvanized Finish, Add	67.87	
			For >10 To 20, Deduct	-127.27	
			For >20 To 40, Deduct	-231.92	
			For >40, Deduct	-486.46	
<b>26 56 13 00-0205</b>			<b>Round Tapered, Steel Area Light Poles (26 56 13 00-0178)</b>		
<b>26 56 13 00-0206</b>			<b>Round Tapered, Steel Area Light Poles, Anchor Base (26 56 13 00-0205)</b>		
26 56 13 00-0207	EA		20' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,734.02	490.39
			For Galvanized Finish, Add	82.60	
			For >10 To 20, Deduct	-134.65	
			For >20 To 40, Deduct	-241.77	
			For >40, Deduct	-511.06	
26 56 13 00-0208	EA		20' High, 6.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	3,836.85	490.39
			For Galvanized Finish, Add	85.68	
			For >10 To 20, Deduct	-138.76	
			For >20 To 40, Deduct	-248.96	
			For >40, Deduct	-526.49	
26 56 13 00-0209	EA		25' High, 5.90" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,389.34	653.85
			For Galvanized Finish, Add	92.45	
			For >10 To 20, Deduct	-155.96	
			For >20 To 40, Deduct	-281.10	
			For >40, Deduct	-593.02	
26 56 13 00-0210	EA		25' High, 7.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,601.64	653.85
			For Galvanized Finish, Add	98.82	
			For >10 To 20, Deduct	-164.45	
			For >20 To 40, Deduct	-295.96	
			For >40, Deduct	-624.86	
26 56 13 00-0211	EA		30' High, 6.60" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	4,884.52	735.59
			For Galvanized Finish, Add	102.40	
			For >10 To 20, Deduct	-173.31	
			For >20 To 40, Deduct	-312.49	
			For >40, Deduct	-659.12	
26 56 13 00-0212	EA		30' High, 8.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	5,239.45	735.59
			For Galvanized Finish, Add	113.05	
			For >10 To 20, Deduct	-187.51	
			For >20 To 40, Deduct	-337.34	
			For >40, Deduct	-712.36	
26 56 13 00-0213	EA		35' High, 7.30" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	5,394.16	776.45
			For Galvanized Finish, Add	115.24	
			For >10 To 20, Deduct	-192.47	
			For >20 To 40, Deduct	-346.53	
			For >40, Deduct	-731.48	
26 56 13 00-0214	EA		35' High, 8.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	5,613.09	776.45
			For Galvanized Finish, Add	121.81	
			For >10 To 20, Deduct	-201.23	
			For >20 To 40, Deduct	-361.86	
			For >40, Deduct	-764.32	
26 56 13 00-0215	EA		35' High, 9.50" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	6,137.21	776.45
			For Galvanized Finish, Add	137.53	
			For >10 To 20, Deduct	-222.20	
			For >20 To 40, Deduct	-398.55	
			For >40, Deduct	-842.94	
26 56 13 00-0216	EA		39' High, 7.82" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	6,179.13	817.32
			For Galvanized Finish, Add	136.34	
			For >10 To 20, Deduct	-222.65	
			For >20 To 40, Deduct	-399.85	
			For >40, Deduct	-845.14	
26 56 13 00-0217	EA		39' High, 9.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	6,272.01	817.32
			For Galvanized Finish, Add	139.12	
			For >10 To 20, Deduct	-226.36	
			For >20 To 40, Deduct	-406.35	
			For >40, Deduct	-859.07	
26 56 13 00-0218	EA		45' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	8,550.35	1,062.51
			For Galvanized Finish, Add	192.76	
			For >10 To 20, Deduct	-310.14	
			For >20 To 40, Deduct	-556.02	
			For >40, Deduct	-1,176.30	
26 56 13 00-0219	EA		50' High, 10.00" Base OD, 11 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	8,857.38	1,225.98
			For Galvanized Finish, Add	192.16	
			For >10 To 20, Deduct	-317.52	
			For >20 To 40, Deduct	-570.98	
			For >40, Deduct	-1,206.01	
26 56 13 00-0220	EA		25' High, 7.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	6,041.29	653.85
			For Galvanized Finish, Add	142.01	
			For >10 To 20, Deduct	-222.04	
			For >20 To 40, Deduct	-396.74	
			For >40, Deduct	-840.81	
26 56 13 00-0221	EA		30' High, 8.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base .....	6,861.54	735.59
			For Galvanized Finish, Add	161.71	
			For >10 To 20, Deduct	-252.39	
			For >20 To 40, Deduct	-450.88	
			For >40, Deduct	-955.67	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0222	EA		39' High, 9.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	7,967.08	817.32
			<i>For Galvanized Finish, Add</i>	189.97	
			<i>For &gt;10 To 20, Deduct</i>	-294.16	
			<i>For &gt;20 To 40, Deduct</i>	-525.00	
			<i>For &gt;40, Deduct</i>	-1,113.33	
26 56 13 00-0223	EA		45' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	9,585.30	1,062.51
			<i>For Galvanized Finish, Add</i>	223.81	
			<i>For &gt;10 To 20, Deduct</i>	-351.54	
			<i>For &gt;20 To 40, Deduct</i>	-628.47	
			<i>For &gt;40, Deduct</i>	-1,331.54	
26 56 13 00-0224	EA		50' High, 10.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	11,192.66	1,225.98
			<i>For Galvanized Finish, Add</i>	262.22	
			<i>For &gt;10 To 20, Deduct</i>	-410.93	
			<i>For &gt;20 To 40, Deduct</i>	-734.45	
			<i>For &gt;40, Deduct</i>	-1,556.30	
26 56 13 00-0225	EA		50' High, 11.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	12,542.74	1,225.98
			<i>For Galvanized Finish, Add</i>	302.72	
			<i>For &gt;10 To 20, Deduct</i>	-464.93	
			<i>For &gt;20 To 40, Deduct</i>	-828.95	
			<i>For &gt;40, Deduct</i>	-1,758.81	
26 56 13 00-0226	EA		50' High, 13.00" Base OD, 7 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	17,054.08	1,225.98
			<i>For Galvanized Finish, Add</i>	438.06	
			<i>For &gt;10 To 20, Deduct</i>	-645.38	
			<i>For &gt;20 To 40, Deduct</i>	-1,144.75	
			<i>For &gt;40, Deduct</i>	-2,435.52	
26 56 13 00-0227	EA		50' High, 13.00" Base OD, 3 Gauge, Round Tapered, Steel Area Light Pole, Anchor Base.....	19,243.40	1,225.98
			<i>For Galvanized Finish, Add</i>	503.74	
			<i>For &gt;10 To 20, Deduct</i>	-732.96	
			<i>For &gt;20 To 40, Deduct</i>	-1,298.00	
			<i>For &gt;40, Deduct</i>	-2,763.91	
26 56 13 00-0228			Square Straight, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0229			Square Straight, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0228)</small>		
26 56 13 00-0230	EA		10' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,743.08	286.06
			<i>For Galvanized Finish, Add</i>	35.13	
			<i>For &gt;10 To 20, Deduct</i>	-61.14	
			<i>For &gt;20 To 40, Deduct</i>	-110.57	
			<i>For &gt;40, Deduct</i>	-232.86	
26 56 13 00-0231	EA		12' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,824.81	326.93
			<i>For Galvanized Finish, Add</i>	35.13	
			<i>For &gt;10 To 20, Deduct</i>	-63.18	
			<i>For &gt;20 To 40, Deduct</i>	-114.66	
			<i>For &gt;40, Deduct</i>	-241.03	
26 56 13 00-0232	EA		14' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	1,962.94	367.79
			<i>For Galvanized Finish, Add</i>	36.82	
			<i>For &gt;10 To 20, Deduct</i>	-67.48	
			<i>For &gt;20 To 40, Deduct</i>	-122.69	
			<i>For &gt;40, Deduct</i>	-257.66	
26 56 13 00-0233	EA		15' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,083.41	388.22
			<i>For Galvanized Finish, Add</i>	39.21	
			<i>For &gt;10 To 20, Deduct</i>	-71.69	
			<i>For &gt;20 To 40, Deduct</i>	-130.31	
			<i>For &gt;40, Deduct</i>	-273.69	
26 56 13 00-0234	EA		16' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,124.28	408.66
			<i>For Galvanized Finish, Add</i>	39.21	
			<i>For &gt;10 To 20, Deduct</i>	-72.71	
			<i>For &gt;20 To 40, Deduct</i>	-132.35	
			<i>For &gt;40, Deduct</i>	-277.78	
26 56 13 00-0235	EA		18' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,242.50	449.52
			<i>For Galvanized Finish, Add</i>	40.30	
			<i>For &gt;10 To 20, Deduct</i>	-76.21	
			<i>For &gt;20 To 40, Deduct</i>	-138.99	
			<i>For &gt;40, Deduct</i>	-291.42	
26 56 13 00-0236	EA		20' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,354.08	490.39
			<i>For Galvanized Finish, Add</i>	41.20	
			<i>For &gt;10 To 20, Deduct</i>	-79.45	
			<i>For &gt;20 To 40, Deduct</i>	-145.17	
			<i>For &gt;40, Deduct</i>	-304.07	
26 56 13 00-0237	EA		25' High, 4" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,880.03	653.85
			<i>For Galvanized Finish, Add</i>	47.17	
			<i>For &gt;10 To 20, Deduct</i>	-95.59	
			<i>For &gt;20 To 40, Deduct</i>	-175.45	
			<i>For &gt;40, Deduct</i>	-366.62	
26 56 13 00-0238	EA		20' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,801.90	490.39
			<i>For Galvanized Finish, Add</i>	54.63	
			<i>For &gt;10 To 20, Deduct</i>	-97.36	
			<i>For &gt;20 To 40, Deduct</i>	-176.52	
			<i>For &gt;40, Deduct</i>	-371.25	
26 56 13 00-0239	EA		25' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,497.03	653.85
			<i>For Galvanized Finish, Add</i>	65.68	
			<i>For &gt;10 To 20, Deduct</i>	-120.27	
			<i>For &gt;20 To 40, Deduct</i>	-218.64	
			<i>For &gt;40, Deduct</i>	-459.17	
26 56 13 00-0240	EA		30' High, 5" OD, 11 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,022.06	735.59
			<i>For Galvanized Finish, Add</i>	76.53	
			<i>For &gt;10 To 20, Deduct</i>	-138.82	
			<i>For &gt;20 To 40, Deduct</i>	-252.12	
			<i>For &gt;40, Deduct</i>	-529.75	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0241	EA		20' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	2,679.17	490.39
			For Galvanized Finish, Add	50.95	
			For >10 To 20, Deduct	-92.46	
			For >20 To 40, Deduct	-167.93	
			For >40, Deduct	-352.84	
26 56 13 00-0242	EA		25' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,258.19	653.85
			For Galvanized Finish, Add	58.51	
			For >10 To 20, Deduct	-110.71	
			For >20 To 40, Deduct	-201.92	
			For >40, Deduct	-423.34	
26 56 13 00-0243	EA		30' High, 4" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,816.39	735.59
			For Galvanized Finish, Add	70.36	
			For >10 To 20, Deduct	-130.59	
			For >20 To 40, Deduct	-237.72	
			For >40, Deduct	-498.90	
26 56 13 00-0244	EA		20' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,100.45	490.39
			For Galvanized Finish, Add	63.59	
			For >10 To 20, Deduct	-109.31	
			For >20 To 40, Deduct	-197.42	
			For >40, Deduct	-416.03	
26 56 13 00-0245	EA		25' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	3,795.57	653.85
			For Galvanized Finish, Add	74.64	
			For >10 To 20, Deduct	-132.21	
			For >20 To 40, Deduct	-239.54	
			For >40, Deduct	-503.95	
26 56 13 00-0246	EA		30' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,304.01	735.59
			For Galvanized Finish, Add	84.99	
			For >10 To 20, Deduct	-150.09	
			For >20 To 40, Deduct	-271.86	
			For >40, Deduct	-572.04	
26 56 13 00-0247	EA		35' High, 5" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,797.07	776.45
			For Galvanized Finish, Add	97.33	
			For >10 To 20, Deduct	-168.59	
			For >20 To 40, Deduct	-304.74	
			For >40, Deduct	-641.92	
26 56 13 00-0248	EA		30' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	4,957.50	735.59
			For Galvanized Finish, Add	104.59	
			For >10 To 20, Deduct	-176.23	
			For >20 To 40, Deduct	-317.60	
			For >40, Deduct	-670.07	
26 56 13 00-0249	EA		35' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	5,453.87	776.45
			For Galvanized Finish, Add	117.03	
			For >10 To 20, Deduct	-194.86	
			For >20 To 40, Deduct	-350.71	
			For >40, Deduct	-740.44	
26 56 13 00-0250	EA		40' High, 6" OD, 7 Gauge, Square Straight, Steel Area Light Pole, Anchor Base.....	5,771.12	817.32
			For Galvanized Finish, Add	124.10	
			For >10 To 20, Deduct	-206.33	
			For >20 To 40, Deduct	-371.29	
			For >40, Deduct	-783.94	
26 56 13 00-0251			Hinged, Square Straight, Steel Area Light Poles (26 56 13 00-0178)		
26 56 13 00-0252			Hinged, Square Straight, Steel Area Light Poles, Anchor Base (26 56 13 00-0251)		
26 56 13 00-0253	EA		20' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	6,481.32	490.39
			For Galvanized Finish, Add	165.02	
			For >10 To 20, Deduct	-244.54	
			For >20 To 40, Deduct	-434.08	
			For >40, Deduct	-923.16	
26 56 13 00-0254	EA		25' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	7,182.24	653.85
			For Galvanized Finish, Add	176.24	
			For >10 To 20, Deduct	-267.67	
			For >20 To 40, Deduct	-476.60	
			For >40, Deduct	-1,011.95	
26 56 13 00-0255	EA		30' High, 6.44" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	10,140.08	735.59
			For Galvanized Finish, Add	260.07	
			For >10 To 20, Deduct	-383.54	
			For >20 To 40, Deduct	-680.38	
			For >40, Deduct	-1,447.45	
26 56 13 00-0256	EA		20' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	6,615.40	490.39
			For Galvanized Finish, Add	169.04	
			For >10 To 20, Deduct	-249.90	
			For >20 To 40, Deduct	-443.46	
			For >40, Deduct	-943.27	
26 56 13 00-0257	EA		25' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	7,961.98	653.85
			For Galvanized Finish, Add	199.63	
			For >10 To 20, Deduct	-298.86	
			For >20 To 40, Deduct	-531.18	
			For >40, Deduct	-1,128.91	
26 56 13 00-0258	EA		30' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	11,300.87	735.59
			For Galvanized Finish, Add	294.89	
			For >10 To 20, Deduct	-429.97	
			For >20 To 40, Deduct	-761.64	
			For >40, Deduct	-1,621.57	
26 56 13 00-0259	EA		35' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base .....	13,002.07	776.45
			For Galvanized Finish, Add	343.48	
			For >10 To 20, Deduct	-496.79	
			For >20 To 40, Deduct	-879.09	
			For >40, Deduct	-1,872.67	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0260	EA		39' High, 7.32" OD, 11 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	15,331.29	817.32
			<i>For Galvanized Finish, Add</i>	410.90	
			<i>For &gt;10 To 20, Deduct</i>	-588.73	
			<i>For &gt;20 To 40, Deduct</i>	-1,040.50	
			<i>For &gt;40, Deduct</i>	-2,217.96	
26 56 13 00-0261	EA		20' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,269.63	490.39
			<i>For Galvanized Finish, Add</i>	158.67	
			<i>For &gt;10 To 20, Deduct</i>	-236.07	
			<i>For &gt;20 To 40, Deduct</i>	-419.26	
			<i>For &gt;40, Deduct</i>	-891.41	
26 56 13 00-0262	EA		25' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,843.53	653.85
			<i>For Galvanized Finish, Add</i>	166.07	
			<i>For &gt;10 To 20, Deduct</i>	-254.13	
			<i>For &gt;20 To 40, Deduct</i>	-452.89	
			<i>For &gt;40, Deduct</i>	-961.14	
26 56 13 00-0263	EA		30' High, 4" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	9,543.80	735.59
			<i>For Galvanized Finish, Add</i>	242.18	
			<i>For &gt;10 To 20, Deduct</i>	-359.68	
			<i>For &gt;20 To 40, Deduct</i>	-638.64	
			<i>For &gt;40, Deduct</i>	-1,358.01	
26 56 13 00-0264	EA		20' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,513.08	490.39
			<i>For Galvanized Finish, Add</i>	165.97	
			<i>For &gt;10 To 20, Deduct</i>	-245.81	
			<i>For &gt;20 To 40, Deduct</i>	-436.30	
			<i>For &gt;40, Deduct</i>	-927.92	
26 56 13 00-0265	EA		25' High, 6.44" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	7,644.44	653.85
			<i>For Galvanized Finish, Add</i>	190.10	
			<i>For &gt;10 To 20, Deduct</i>	-286.16	
			<i>For &gt;20 To 40, Deduct</i>	-508.96	
			<i>For &gt;40, Deduct</i>	-1,081.28	
26 56 13 00-0266	EA		30' High, 6.44" OD, 7 Gauge, Hinged Square Straight, Steel Area Light Pole, Anchor Base	10,859.84	735.59
			<i>For Galvanized Finish, Add</i>	281.66	
			<i>For &gt;10 To 20, Deduct</i>	-412.33	
			<i>For &gt;20 To 40, Deduct</i>	-730.77	
			<i>For &gt;40, Deduct</i>	-1,555.42	
26 56 13 00-0267	EA		20' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	6,887.07	490.39
			<i>For Galvanized Finish, Add</i>	177.19	
			<i>For &gt;10 To 20, Deduct</i>	-260.77	
			<i>For &gt;20 To 40, Deduct</i>	-462.48	
			<i>For &gt;40, Deduct</i>	-984.02	
26 56 13 00-0268	EA		25' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	8,318.34	653.85
			<i>For Galvanized Finish, Add</i>	210.32	
			<i>For &gt;10 To 20, Deduct</i>	-313.12	
			<i>For &gt;20 To 40, Deduct</i>	-556.13	
			<i>For &gt;40, Deduct</i>	-1,182.37	
26 56 13 00-0269	EA		30' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	11,653.70	735.59
			<i>For Galvanized Finish, Add</i>	305.48	
			<i>For &gt;10 To 20, Deduct</i>	-444.08	
			<i>For &gt;20 To 40, Deduct</i>	-786.34	
			<i>For &gt;40, Deduct</i>	-1,674.50	
26 56 13 00-0270	EA		35' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	13,432.51	776.45
			<i>For Galvanized Finish, Add</i>	356.39	
			<i>For &gt;10 To 20, Deduct</i>	-514.01	
			<i>For &gt;20 To 40, Deduct</i>	-909.22	
			<i>For &gt;40, Deduct</i>	-1,937.23	
26 56 13 00-0271	EA		39' High, 7.32" OD, 7 Gauge, Hinged, Square Straight, Steel Area Light Pole, Anchor Base	15,560.63	817.32
			<i>For Galvanized Finish, Add</i>	417.78	
			<i>For &gt;10 To 20, Deduct</i>	-597.91	
			<i>For &gt;20 To 40, Deduct</i>	-1,056.55	
			<i>For &gt;40, Deduct</i>	-2,252.36	
26 56 13 00-0272			Square Tapered, Steel Area Light Poles <small>(26 56 13 00-0178)</small>		
26 56 13 00-0273			Square Tapered, Steel Area Light Poles, Anchor Base <small>(26 56 13 00-0272)</small>		
26 56 13 00-0274	EA		20' High, 5.25" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	4,851.91	490.39
			<i>For Galvanized Finish, Add</i>	116.13	
			<i>For &gt;10 To 20, Deduct</i>	-179.36	
			<i>For &gt;20 To 40, Deduct</i>	-320.02	
			<i>For &gt;40, Deduct</i>	-678.75	
26 56 13 00-0275	EA		25' High, 6.00" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	5,862.16	653.85
			<i>For Galvanized Finish, Add</i>	136.63	
			<i>For &gt;10 To 20, Deduct</i>	-214.87	
			<i>For &gt;20 To 40, Deduct</i>	-384.20	
			<i>For &gt;40, Deduct</i>	-813.94	
26 56 13 00-0276	EA		30' High, 6.41" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,519.88	735.59
			<i>For Galvanized Finish, Add</i>	151.46	
			<i>For &gt;10 To 20, Deduct</i>	-238.73	
			<i>For &gt;20 To 40, Deduct</i>	-426.97	
			<i>For &gt;40, Deduct</i>	-904.42	
26 56 13 00-0277	EA		35' High, 6.81" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,255.09	776.45
			<i>For Galvanized Finish, Add</i>	171.07	
			<i>For &gt;10 To 20, Deduct</i>	-266.91	
			<i>For &gt;20 To 40, Deduct</i>	-476.80	
			<i>For &gt;40, Deduct</i>	-1,010.62	
26 56 13 00-0278	EA		39' High, 7.18" Base OD, 11 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,648.63	817.32
			<i>For Galvanized Finish, Add</i>	180.42	
			<i>For &gt;10 To 20, Deduct</i>	-281.43	
			<i>For &gt;20 To 40, Deduct</i>	-502.71	
			<i>For &gt;40, Deduct</i>	-1,065.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0279	EA		20' High, 5.50" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	6,341.31	490.39
			<i>For Galvanized Finish, Add</i>	160.82	
			<i>For &gt;10 To 20, Deduct</i>	-238.94	
			<i>For &gt;20 To 40, Deduct</i>	-424.28	
			<i>For &gt;40, Deduct</i>	-902.16	
26 56 13 00-0280	EA		25' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,029.80	653.85
			<i>For Galvanized Finish, Add</i>	171.66	
			<i>For &gt;10 To 20, Deduct</i>	-261.58	
			<i>For &gt;20 To 40, Deduct</i>	-465.93	
			<i>For &gt;40, Deduct</i>	-989.09	
26 56 13 00-0281	EA		30' High, 6.41" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	7,475.22	735.59
			<i>For Galvanized Finish, Add</i>	180.12	
			<i>For &gt;10 To 20, Deduct</i>	-276.94	
			<i>For &gt;20 To 40, Deduct</i>	-493.84	
			<i>For &gt;40, Deduct</i>	-1,047.73	
26 56 13 00-0282	EA		30' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	8,350.95	735.59
			<i>For Galvanized Finish, Add</i>	206.39	
			<i>For &gt;10 To 20, Deduct</i>	-311.97	
			<i>For &gt;20 To 40, Deduct</i>	-555.14	
			<i>For &gt;40, Deduct</i>	-1,179.08	
26 56 13 00-0283	EA		35' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,062.94	776.45
			<i>For Galvanized Finish, Add</i>	225.30	
			<i>For &gt;10 To 20, Deduct</i>	-339.22	
			<i>For &gt;20 To 40, Deduct</i>	-603.35	
			<i>For &gt;40, Deduct</i>	-1,281.80	
26 56 13 00-0284	EA		35' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	10,147.65	776.45
			<i>For Galvanized Finish, Add</i>	257.84	
			<i>For &gt;10 To 20, Deduct</i>	-382.61	
			<i>For &gt;20 To 40, Deduct</i>	-679.28	
			<i>For &gt;40, Deduct</i>	-1,444.50	
26 56 13 00-0285	EA		39' High, 7.13" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	9,194.43	817.32
			<i>For Galvanized Finish, Add</i>	226.79	
			<i>For &gt;10 To 20, Deduct</i>	-343.26	
			<i>For &gt;20 To 40, Deduct</i>	-610.92	
			<i>For &gt;40, Deduct</i>	-1,297.43	
26 56 13 00-0286	EA		39' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	11,864.74	817.32
			<i>For Galvanized Finish, Add</i>	306.90	
			<i>For &gt;10 To 20, Deduct</i>	-450.07	
			<i>For &gt;20 To 40, Deduct</i>	-797.84	
			<i>For &gt;40, Deduct</i>	-1,697.98	
26 56 13 00-0287	EA		45' High, 7.88" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	11,809.33	1,062.51
			<i>For Galvanized Finish, Add</i>	260.53	
			<i>For &gt;10 To 20, Deduct</i>	-400.50	
			<i>For &gt;20 To 40, Deduct</i>	-714.15	
			<i>For &gt;40, Deduct</i>	-1,515.15	
26 56 13 00-0288	EA		45' High, 8.75" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	12,630.46	1,062.51
			<i>For Galvanized Finish, Add</i>	315.16	
			<i>For &gt;10 To 20, Deduct</i>	-473.34	
			<i>For &gt;20 To 40, Deduct</i>	-841.63	
			<i>For &gt;40, Deduct</i>	-1,788.32	
26 56 13 00-0289	EA		50' High, 8.81" Base OD, 7 Gauge, Square Tapered, Steel Area Light Pole, Anchor Base	13,050.27	1,225.98
			<i>For Galvanized Finish, Add</i>	317.95	
			<i>For &gt;10 To 20, Deduct</i>	-485.23	
			<i>For &gt;20 To 40, Deduct</i>	-864.48	
			<i>For &gt;40, Deduct</i>	-1,834.94	
<b>26 56 13 00-0290</b>			<b>Factory Accessories For Steel Area Light Poles</b> <small>(26 56 13 00-0178)</small>		
26 56 13 00-0291	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Steel Area Light Poles	117.61	
26 56 13 00-0292	EA		Extra Handhole For Steel Area Light Poles	174.90	
26 56 13 00-0293	EA		Vibration Dampener For Steel Area Light Poles	177.92	
<b>26 56 13 00-0294</b>			<b>Aluminum Area Light Poles</b> <small>(26 56 13 00-0177)</small>		
			Note: Includes satin brushed or painted finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions, factory drilled fixture mounting holes and tenon, open or capped top.		
<b>26 56 13 00-0295</b>			<b>Round Straight, Aluminum Area Light Poles</b> <small>(26 56 13 00-0294)</small>		
<b>26 56 13 00-0296</b>			<b>Round Straight, Aluminum Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0295)</small>		
26 56 13 00-0297	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	942.47	245.20
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.21	
			<i>For Black Anodized Finish, Add</i>	90.42	
			<i>For &gt;10 To 20, Deduct</i>	-30.34	
			<i>For &gt;20 To 40, Deduct</i>	-56.17	
			<i>For &gt;40, Deduct</i>	-116.85	
26 56 13 00-0298	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,047.38	286.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	47.53	
			<i>For Black Anodized Finish, Add</i>	95.05	
			<i>For &gt;10 To 20, Deduct</i>	-33.31	
			<i>For &gt;20 To 40, Deduct</i>	-61.87	
			<i>For &gt;40, Deduct</i>	-128.50	
26 56 13 00-0299	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base	1,158.09	326.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	50.42	
			<i>For Black Anodized Finish, Add</i>	100.85	
			<i>For &gt;10 To 20, Deduct</i>	-36.52	
			<i>For &gt;20 To 40, Deduct</i>	-67.99	
			<i>For &gt;40, Deduct</i>	-141.02	



**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0300	EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,269.97 53.44 106.88 -39.76 -74.19 -153.72	367.79
26 56 13 00-0301	EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,330.54 55.41 110.82 -41.57 -77.61 -160.76	388.22
26 56 13 00-0302	EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,389.95 57.26 114.53 -43.34 -80.95 -167.63	408.66
26 56 13 00-0303	EA 16' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,459.51 64.22 128.44 -46.12 -85.82 -178.06	408.66
26 56 13 00-0304	EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,585.28 68.62 137.25 -49.93 -92.99 -192.84	449.52
26 56 13 00-0305	EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,704.11 72.33 144.67 -53.45 -99.67 -206.58	490.39
26 56 13 00-0306	EA 15' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,586.72 81.03 162.05 -51.82 -95.54 -199.19	388.22
26 56 13 00-0307	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,960.29 97.95 195.90 -63.70 -117.60 -245.00	490.39
26 56 13 00-0308	EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,090.12 110.93 221.87 -68.89 -126.69 -264.48	490.39
26 56 13 00-0309	EA 25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,538.75 123.11 246.21 -81.93 -151.56 -315.43	653.85
26 56 13 00-0310	EA 30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,932.89 146.17 292.35 -95.25 -175.88 -366.38	735.59
26 56 13 00-0311	EA 20' High, 4" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,784.09 80.33 160.66 -56.65 -105.27 -218.57	490.39
26 56 13 00-0312	EA 20' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,079.68 109.89 219.78 -68.48 -125.96 -262.91	490.39
26 56 13 00-0313	EA 25' High, 5" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,520.20 121.25 242.50 -81.19 -150.26 -312.65	653.85
26 56 13 00-0314	EA 25' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,688.28 138.06 276.12 -87.92 -162.03 -337.86	653.85

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0315	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,122.99 165.18 330.37 -102.85 -189.19 -394.89	735.59
<b>26 56 13 00-0316 Round Straight, Aluminum Area Light Poles, Hinged Anchor Base (26 56 13 00-0295)</b>					
26 56 13 00-0317	EA		8' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,060.71 85.55 -35.07 -64.44 -134.59	245.20
26 56 13 00-0318	EA		10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,188.80 92.50 -38.97 -71.77 -149.71	286.06
26 56 13 00-0319	EA		12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,312.26 98.76 -42.68 -78.78 -164.15	326.93
26 56 13 00-0320	EA		14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,413.71 101.72 -45.51 -84.25 -175.28	367.79
26 56 13 00-0321	EA		16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,529.06 106.76 -48.90 -90.69 -188.49	408.66
26 56 13 00-0322	EA		10' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,213.15 96.15 -39.94 -73.48 -153.37	286.06
26 56 13 00-0323	EA		12' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,334.29 102.07 -43.56 -80.32 -167.45	326.93
26 56 13 00-0324	EA		14' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,458.92 108.50 -47.32 -87.41 -182.06	367.79
26 56 13 00-0325	EA		16' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,582.38 114.76 -51.04 -94.42 -196.49	408.66
26 56 13 00-0326	EA		18' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,711.64 121.89 -54.98 -101.83 -211.79	449.52
26 56 13 00-0327	EA		20' High, 5" OD, 0.125", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,833.94 127.97 -58.65 -108.76 -226.05	490.39
26 56 13 00-0328	EA		12' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,379.50 108.85 -45.37 -83.49 -174.23	326.93
26 56 13 00-0329	EA		14' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,512.24 116.50 -49.46 -91.15 -190.06	367.79
26 56 13 00-0330	EA		16' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,643.82 123.98 -53.49 -98.72 -205.71	408.66
26 56 13 00-0331	EA		18' High, 5" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,777.71 131.80 -57.62 -106.46 -221.70	449.52
26 56 13 00-0332	EA		16' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,708.73 133.71 -56.09 -103.26 -215.44	408.66

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0333	EA 20' High, 6" OD, 0.156", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,985.79 150.75 -64.72 -119.39 -248.83	490.39
26 56 13 00-0334	EA 12' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,422.39 115.28 -47.09 -86.49 -180.67	326.93
26 56 13 00-0335	EA 14' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,567.88 124.84 -51.68 -95.04 -198.40	367.79
26 56 13 00-0336	EA 16' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,701.77 132.67 -55.81 -102.78 -214.40	408.66
26 56 13 00-0337	EA 18' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,842.62 141.54 -60.22 -111.00 -231.44	449.52
26 56 13 00-0338	EA 20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,979.99 149.88 -64.49 -118.98 -247.96	490.39
26 56 13 00-0339	EA 16' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,786.39 145.36 -59.20 -108.70 -227.09	408.66
26 56 13 00-0340	EA 18' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,937.68 155.79 -64.02 -117.66 -245.70	449.52
26 56 13 00-0341	EA 20' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Hinged Anchor Base ..... <i>For Bronze, Satin Or Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,015.93 155.27 -65.93 -121.50 -253.35	490.39
26 56 13 00-0342	<b>Round Straight, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0295)</small> Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0343	EA 10' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	835.24 42.66 85.32 -27.28 -50.29 -104.85	204.32
26 56 13 00-0344	EA 12' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	898.12 44.86 89.72 -29.18 -53.88 -112.24	224.76
26 56 13 00-0345	EA 14' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	991.16 50.08 100.15 -32.29 -59.57 -124.15	245.20
26 56 13 00-0346	EA 15' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,017.82 52.74 105.49 -33.36 -61.44 -128.15	245.20
26 56 13 00-0347	EA 16' High, 4" OD, 0.125", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,051.43 56.10 112.21 -34.70 -63.79 -133.20	245.20
26 56 13 00-0348	EA 18' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,194.30 66.31 132.61 -39.80 -72.98 -152.58	265.63
26 56 13 00-0349	EA 20' High, 4" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,278.06 70.59 141.19 -42.54 -78.02 -163.10	286.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0350	EA		20' High, 5" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,457.73	286.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	88.56	
			<i>For Black Anodized Finish, Add</i>	177.12	
			<i>For &gt;10 To 20, Deduct</i>	-49.73	
			<i>For &gt;20 To 40, Deduct</i>	-90.60	
			<i>For &gt;40, Deduct</i>	-190.05	
26 56 13 00-0351	EA		25' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	1,770.14	326.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	111.63	
			<i>For Black Anodized Finish, Add</i>	223.26	
			<i>For &gt;10 To 20, Deduct</i>	-61.00	
			<i>For &gt;20 To 40, Deduct</i>	-110.83	
			<i>For &gt;40, Deduct</i>	-232.83	
26 56 13 00-0352	EA		30' High, 6" OD, 0.188", Round Straight, Aluminum Area Light Pole, Direct Burial	2,007.21	367.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	127.16	
			<i>For Black Anodized Finish, Add</i>	254.32	
			<i>For &gt;10 To 20, Deduct</i>	-69.25	
			<i>For &gt;20 To 40, Deduct</i>	-125.79	
			<i>For &gt;40, Deduct</i>	-264.30	
26 56 13 00-0353	EA		30' High, 6" OD, 0.250", Round Straight, Aluminum Area Light Pole, Direct Burial	2,219.34	367.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	148.38	
			<i>For Black Anodized Finish, Add</i>	296.75	
			<i>For &gt;10 To 20, Deduct</i>	-77.74	
			<i>For &gt;20 To 40, Deduct</i>	-140.64	
			<i>For &gt;40, Deduct</i>	-296.12	
26 56 13 00-0354			Round Tapered, Aluminum Area Light Poles <small>(26 56 13 00-0294)</small>		
26 56 13 00-0355			Round Tapered, Aluminum Area Light Poles, Anchor Base <small>(26 56 13 00-0354)</small>		
26 56 13 00-0356	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	818.44	245.20
			<i>For Bronze Or Satin Anodized Finish, Add</i>	32.81	
			<i>For Black Anodized Finish, Add</i>	65.61	
			<i>For &gt;10 To 20, Deduct</i>	-25.38	
			<i>For &gt;20 To 40, Deduct</i>	-47.48	
			<i>For &gt;40, Deduct</i>	-98.25	
26 56 13 00-0357	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	926.83	286.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	35.47	
			<i>For Black Anodized Finish, Add</i>	70.94	
			<i>For &gt;10 To 20, Deduct</i>	-28.49	
			<i>For &gt;20 To 40, Deduct</i>	-53.44	
			<i>For &gt;40, Deduct</i>	-110.42	
26 56 13 00-0358	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,035.22	326.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.14	
			<i>For Black Anodized Finish, Add</i>	76.27	
			<i>For &gt;10 To 20, Deduct</i>	-31.60	
			<i>For &gt;20 To 40, Deduct</i>	-59.39	
			<i>For &gt;40, Deduct</i>	-122.59	
26 56 13 00-0359	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,154.05	367.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	41.85	
			<i>For Black Anodized Finish, Add</i>	83.69	
			<i>For &gt;10 To 20, Deduct</i>	-35.13	
			<i>For &gt;20 To 40, Deduct</i>	-66.07	
			<i>For &gt;40, Deduct</i>	-136.33	
26 56 13 00-0360	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,271.72	408.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	45.44	
			<i>For Black Anodized Finish, Add</i>	90.88	
			<i>For &gt;10 To 20, Deduct</i>	-38.61	
			<i>For &gt;20 To 40, Deduct</i>	-72.67	
			<i>For &gt;40, Deduct</i>	-149.89	
26 56 13 00-0361	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	956.97	286.06
			<i>For Bronze Or Satin Anodized Finish, Add</i>	38.49	
			<i>For Black Anodized Finish, Add</i>	76.97	
			<i>For &gt;10 To 20, Deduct</i>	-29.70	
			<i>For &gt;20 To 40, Deduct</i>	-55.55	
			<i>For &gt;40, Deduct</i>	-114.94	
26 56 13 00-0362	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,082.75	326.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.89	
			<i>For Black Anodized Finish, Add</i>	85.78	
			<i>For &gt;10 To 20, Deduct</i>	-33.50	
			<i>For &gt;20 To 40, Deduct</i>	-62.72	
			<i>For &gt;40, Deduct</i>	-129.72	
26 56 13 00-0363	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,205.06	367.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.95	
			<i>For Black Anodized Finish, Add</i>	93.89	
			<i>For &gt;10 To 20, Deduct</i>	-37.17	
			<i>For &gt;20 To 40, Deduct</i>	-69.64	
			<i>For &gt;40, Deduct</i>	-143.98	
26 56 13 00-0364	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,441.55	449.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	54.25	
			<i>For Black Anodized Finish, Add</i>	108.50	
			<i>For &gt;10 To 20, Deduct</i>	-44.18	
			<i>For &gt;20 To 40, Deduct</i>	-82.93	
			<i>For &gt;40, Deduct</i>	-171.28	
26 56 13 00-0365	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,552.26	490.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.15	
			<i>For Black Anodized Finish, Add</i>	114.30	
			<i>For &gt;10 To 20, Deduct</i>	-47.38	
			<i>For &gt;20 To 40, Deduct</i>	-89.04	
			<i>For &gt;40, Deduct</i>	-183.80	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0366	EA 12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,125.64	326.93
	For Bronze Or Satin Anodized Finish, Add	47.18	
	For Black Anodized Finish, Add	94.36	
	For >10 To 20, Deduct	-35.22	
	For >20 To 40, Deduct	-65.72	
	For >40, Deduct	-136.15	
26 56 13 00-0367	EA 14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,254.90	367.79
	For Bronze Or Satin Anodized Finish, Add	51.93	
	For Black Anodized Finish, Add	103.86	
	For >10 To 20, Deduct	-39.16	
	For >20 To 40, Deduct	-73.13	
	For >40, Deduct	-151.46	
26 56 13 00-0368	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,392.27	408.66
	For Bronze Or Satin Anodized Finish, Add	57.50	
	For Black Anodized Finish, Add	114.99	
	For >10 To 20, Deduct	-43.43	
	For >20 To 40, Deduct	-81.11	
	For >40, Deduct	-167.97	
26 56 13 00-0369	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,508.78	449.52
	For Bronze Or Satin Anodized Finish, Add	60.97	
	For Black Anodized Finish, Add	121.95	
	For >10 To 20, Deduct	-46.87	
	For >20 To 40, Deduct	-87.63	
	For >40, Deduct	-181.36	
26 56 13 00-0370	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,641.51	490.39
	For Bronze Or Satin Anodized Finish, Add	66.07	
	For Black Anodized Finish, Add	132.15	
	For >10 To 20, Deduct	-50.95	
	For >20 To 40, Deduct	-95.29	
	For >40, Deduct	-197.19	
26 56 13 00-0371	EA 16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,505.87	408.66
	For Bronze Or Satin Anodized Finish, Add	68.86	
	For Black Anodized Finish, Add	137.71	
	For >10 To 20, Deduct	-47.98	
	For >20 To 40, Deduct	-89.06	
	For >40, Deduct	-185.01	
26 56 13 00-0372	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,653.68	449.52
	For Bronze Or Satin Anodized Finish, Add	75.46	
	For Black Anodized Finish, Add	150.93	
	For >10 To 20, Deduct	-52.66	
	For >20 To 40, Deduct	-97.78	
	For >40, Deduct	-203.10	
26 56 13 00-0373	EA 20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,753.95	490.39
	For Bronze Or Satin Anodized Finish, Add	77.32	
	For Black Anodized Finish, Add	154.63	
	For >10 To 20, Deduct	-55.45	
	For >20 To 40, Deduct	-103.16	
	For >40, Deduct	-214.05	
26 56 13 00-0374	EA 23' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,020.58	572.12
	For Bronze Or Satin Anodized Finish, Add	87.63	
	For Black Anodized Finish, Add	175.27	
	For >10 To 20, Deduct	-63.66	
	For >20 To 40, Deduct	-118.56	
	For >40, Deduct	-245.88	
26 56 13 00-0375	EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,294.16	653.85
	For Bronze Or Satin Anodized Finish, Add	98.65	
	For Black Anodized Finish, Add	197.29	
	For >10 To 20, Deduct	-72.15	
	For >20 To 40, Deduct	-134.44	
	For >40, Deduct	-278.74	
26 56 13 00-0376	EA 18' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,767.28	449.52
	For Bronze Or Satin Anodized Finish, Add	86.82	
	For Black Anodized Finish, Add	173.65	
	For >10 To 20, Deduct	-57.21	
	For >20 To 40, Deduct	-105.73	
	For >40, Deduct	-220.14	
26 56 13 00-0377	EA 20' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	1,891.90	490.39
	For Bronze Or Satin Anodized Finish, Add	91.11	
	For Black Anodized Finish, Add	182.22	
	For >10 To 20, Deduct	-60.96	
	For >20 To 40, Deduct	-112.82	
	For >40, Deduct	-234.75	
26 56 13 00-0378	EA 23' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,129.54	572.12
	For Bronze Or Satin Anodized Finish, Add	98.53	
	For Black Anodized Finish, Add	197.06	
	For >10 To 20, Deduct	-68.02	
	For >20 To 40, Deduct	-126.18	
	For >40, Deduct	-262.22	
26 56 13 00-0379	EA 25' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,377.62	653.85
	For Bronze Or Satin Anodized Finish, Add	106.99	
	For Black Anodized Finish, Add	213.98	
	For >10 To 20, Deduct	-75.49	
	For >20 To 40, Deduct	-140.28	
	For >40, Deduct	-291.26	
26 56 13 00-0380	EA 28' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base .....	2,553.25	694.71
	For Bronze Or Satin Anodized Finish, Add	116.38	
	For Black Anodized Finish, Add	232.76	
	For >10 To 20, Deduct	-81.29	
	For >20 To 40, Deduct	-150.94	
	For >40, Deduct	-313.52	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0381	EA		30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,731.19	735.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	126.00	
			<i>For Black Anodized Finish, Add</i>	252.01	
			<i>For &gt;10 To 20, Deduct</i>	-87.18	
			<i>For &gt;20 To 40, Deduct</i>	-161.76	
			<i>For &gt;40, Deduct</i>	-336.12	
26 56 13 00-0382	EA		23' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,237.35	572.12
			<i>For Bronze Or Satin Anodized Finish, Add</i>	109.31	
			<i>For Black Anodized Finish, Add</i>	218.62	
			<i>For &gt;10 To 20, Deduct</i>	-72.33	
			<i>For &gt;20 To 40, Deduct</i>	-133.73	
			<i>For &gt;40, Deduct</i>	-278.39	
26 56 13 00-0383	EA		25' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,449.49	653.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	114.18	
			<i>For Black Anodized Finish, Add</i>	228.36	
			<i>For &gt;10 To 20, Deduct</i>	-78.36	
			<i>For &gt;20 To 40, Deduct</i>	-145.31	
			<i>For &gt;40, Deduct</i>	-302.04	
26 56 13 00-0384	EA		28' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,630.91	694.71
			<i>For Bronze Or Satin Anodized Finish, Add</i>	124.15	
			<i>For Black Anodized Finish, Add</i>	248.30	
			<i>For &gt;10 To 20, Deduct</i>	-84.39	
			<i>For &gt;20 To 40, Deduct</i>	-156.38	
			<i>For &gt;40, Deduct</i>	-325.17	
26 56 13 00-0385	EA		30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,851.74	735.59
			<i>For Bronze Or Satin Anodized Finish, Add</i>	138.06	
			<i>For Black Anodized Finish, Add</i>	276.12	
			<i>For &gt;10 To 20, Deduct</i>	-92.00	
			<i>For &gt;20 To 40, Deduct</i>	-170.20	
			<i>For &gt;40, Deduct</i>	-354.20	
26 56 13 00-0386	EA		33' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	2,944.78	756.01
			<i>For Bronze Or Satin Anodized Finish, Add</i>	143.28	
			<i>For Black Anodized Finish, Add</i>	286.55	
			<i>For &gt;10 To 20, Deduct</i>	-95.11	
			<i>For &gt;20 To 40, Deduct</i>	-175.89	
			<i>For &gt;40, Deduct</i>	-366.12	
26 56 13 00-0387	EA		35' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,125.90	776.45
			<i>For Bronze Or Satin Anodized Finish, Add</i>	157.30	
			<i>For Black Anodized Finish, Add</i>	314.60	
			<i>For &gt;10 To 20, Deduct</i>	-101.74	
			<i>For &gt;20 To 40, Deduct</i>	-187.76	
			<i>For &gt;40, Deduct</i>	-391.24	
26 56 13 00-0388	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,173.16	326.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	51.93	
			<i>For Black Anodized Finish, Add</i>	103.86	
			<i>For &gt;10 To 20, Deduct</i>	-37.12	
			<i>For &gt;20 To 40, Deduct</i>	-69.04	
			<i>For &gt;40, Deduct</i>	-143.28	
26 56 13 00-0389	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,310.54	367.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	57.50	
			<i>For Black Anodized Finish, Add</i>	114.99	
			<i>For &gt;10 To 20, Deduct</i>	-41.39	
			<i>For &gt;20 To 40, Deduct</i>	-77.03	
			<i>For &gt;40, Deduct</i>	-159.80	
26 56 13 00-0390	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,452.55	408.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	63.52	
			<i>For Black Anodized Finish, Add</i>	127.05	
			<i>For &gt;10 To 20, Deduct</i>	-45.84	
			<i>For &gt;20 To 40, Deduct</i>	-85.33	
			<i>For &gt;40, Deduct</i>	-177.02	
26 56 13 00-0391	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,581.81	449.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	68.28	
			<i>For Black Anodized Finish, Add</i>	136.55	
			<i>For &gt;10 To 20, Deduct</i>	-49.79	
			<i>For &gt;20 To 40, Deduct</i>	-92.75	
			<i>For &gt;40, Deduct</i>	-192.32	
26 56 13 00-0392	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,709.90	490.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	72.91	
			<i>For Black Anodized Finish, Add</i>	145.82	
			<i>For &gt;10 To 20, Deduct</i>	-53.68	
			<i>For &gt;20 To 40, Deduct</i>	-100.08	
			<i>For &gt;40, Deduct</i>	-207.45	
26 56 13 00-0393	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,578.90	408.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	76.16	
			<i>For Black Anodized Finish, Add</i>	152.32	
			<i>For &gt;10 To 20, Deduct</i>	-50.90	
			<i>For &gt;20 To 40, Deduct</i>	-94.18	
			<i>For &gt;40, Deduct</i>	-195.97	
26 56 13 00-0394	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,730.18	449.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	83.11	
			<i>For Black Anodized Finish, Add</i>	166.23	
			<i>For &gt;10 To 20, Deduct</i>	-55.72	
			<i>For &gt;20 To 40, Deduct</i>	-103.13	
			<i>For &gt;40, Deduct</i>	-214.57	
26 56 13 00-0395	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	1,845.53	490.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	86.48	
			<i>For Black Anodized Finish, Add</i>	172.95	
			<i>For &gt;10 To 20, Deduct</i>	-59.11	
			<i>For &gt;20 To 40, Deduct</i>	-109.57	
			<i>For &gt;40, Deduct</i>	-227.79	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0396	EA 23' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,106.36 96.21 192.42 -67.09 -124.56 -258.74	572.12
26 56 13 00-0397	EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,374.15 106.65 213.29 -75.35 -140.04 -290.74	653.85
26 56 13 00-0398	EA 23' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,368.33 122.41 244.82 -77.57 -142.90 -298.04	572.12
26 56 13 00-0399	EA 25' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,623.37 131.57 263.13 -85.32 -157.48 -328.12	653.85
26 56 13 00-0400	EA 28' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,818.70 142.93 285.85 -91.91 -169.52 -353.33	694.71
26 56 13 00-0401	EA 30' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,994.32 152.32 304.63 -97.71 -180.18 -375.59	735.59
26 56 13 00-0402	EA 33' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,147.63 163.56 327.12 -103.22 -190.09 -396.54	756.01
26 56 13 00-0403	EA 35' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,282.39 172.95 345.90 -108.00 -198.71 -414.71	776.45
26 56 13 00-0404	EA 37' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,398.60 180.48 360.97 -112.04 -206.03 -430.10	796.88
26 56 13 00-0405	EA 39' High, 8" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,601.75 196.71 393.43 -119.55 -219.43 -458.53	817.32
26 56 13 00-0406	EA 28' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,319.46 193.00 386.01 -111.94 -204.57 -428.45	694.71
26 56 13 00-0407	EA 30' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,573.91 210.28 420.55 -120.89 -220.75 -462.53	735.59
26 56 13 00-0408	EA 33' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,750.41 223.84 447.68 -127.34 -232.29 -486.96	756.01
26 56 13 00-0409	EA 35' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,886.32 233.34 466.69 -132.16 -240.98 -505.30	776.45
26 56 13 00-0410	EA 37' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,965.44 237.17 474.34 -134.71 -245.71 -515.13	796.88

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0411	EA		39' High, 10" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,188.29	817.32
			For Bronze Or Satin Anodized Finish, Add	255.37	
			For Black Anodized Finish, Add	510.73	
			For >10 To 20, Deduct	-143.01	
			For >20 To 40, Deduct	-260.49	
			For >40, Deduct	-546.51	
26 56 13 00-0412	EA		28' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,160.66	694.71
			For Bronze Or Satin Anodized Finish, Add	177.12	
			For Black Anodized Finish, Add	354.25	
			For >10 To 20, Deduct	-105.58	
			For >20 To 40, Deduct	-193.46	
			For >40, Deduct	-404.63	
26 56 13 00-0413	EA		30' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,394.24	735.59
			For Bronze Or Satin Anodized Finish, Add	192.31	
			For Black Anodized Finish, Add	384.62	
			For >10 To 20, Deduct	-113.70	
			For >20 To 40, Deduct	-208.17	
			For >40, Deduct	-435.58	
26 56 13 00-0414	EA		33' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,487.27	756.01
			For Bronze Or Satin Anodized Finish, Add	197.52	
			For Black Anodized Finish, Add	395.05	
			For >10 To 20, Deduct	-116.81	
			For >20 To 40, Deduct	-213.87	
			For >40, Deduct	-447.49	
26 56 13 00-0415	EA		35' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,713.60	776.45
			For Bronze Or Satin Anodized Finish, Add	216.07	
			For Black Anodized Finish, Add	432.14	
			For >10 To 20, Deduct	-125.25	
			For >20 To 40, Deduct	-228.89	
			For >40, Deduct	-479.40	
26 56 13 00-0416	EA		37' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,828.66	796.88
			For Bronze Or Satin Anodized Finish, Add	223.49	
			For Black Anodized Finish, Add	446.98	
			For >10 To 20, Deduct	-129.24	
			For >20 To 40, Deduct	-236.13	
			For >40, Deduct	-494.61	
26 56 13 00-0417	EA		39' High, 8" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,052.67	817.32
			For Bronze Or Satin Anodized Finish, Add	241.81	
			For Black Anodized Finish, Add	483.61	
			For >10 To 20, Deduct	-137.59	
			For >20 To 40, Deduct	-250.99	
			For >40, Deduct	-526.17	
26 56 13 00-0418	EA		28' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	3,886.30	694.71
			For Bronze Or Satin Anodized Finish, Add	249.69	
			For Black Anodized Finish, Add	499.37	
			For >10 To 20, Deduct	-134.61	
			For >20 To 40, Deduct	-244.25	
			For >40, Deduct	-513.47	
26 56 13 00-0419	EA		30' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,109.45	735.59
			For Bronze Or Satin Anodized Finish, Add	263.83	
			For Black Anodized Finish, Add	527.66	
			For >10 To 20, Deduct	-142.31	
			For >20 To 40, Deduct	-258.24	
			For >40, Deduct	-542.86	
26 56 13 00-0420	EA		33' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,288.27	756.01
			For Bronze Or Satin Anodized Finish, Add	277.62	
			For Black Anodized Finish, Add	555.25	
			For >10 To 20, Deduct	-148.85	
			For >20 To 40, Deduct	-269.94	
			For >40, Deduct	-567.64	
26 56 13 00-0421	EA		35' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,560.96	776.45
			For Bronze Or Satin Anodized Finish, Add	300.81	
			For Black Anodized Finish, Add	601.61	
			For >10 To 20, Deduct	-159.15	
			For >20 To 40, Deduct	-288.21	
			For >40, Deduct	-606.50	
26 56 13 00-0422	EA		37' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,627.33	796.88
			For Bronze Or Satin Anodized Finish, Add	303.36	
			For Black Anodized Finish, Add	606.71	
			For >10 To 20, Deduct	-161.19	
			For >20 To 40, Deduct	-292.04	
			For >40, Deduct	-614.41	
26 56 13 00-0423	EA		39' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	4,898.87	817.32
			For Bronze Or Satin Anodized Finish, Add	326.43	
			For Black Anodized Finish, Add	652.85	
			For >10 To 20, Deduct	-171.44	
			For >20 To 40, Deduct	-310.23	
			For >40, Deduct	-653.10	
26 56 13 00-0424	EA		48' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	6,252.89	1,225.98
			For Bronze Or Satin Anodized Finish, Add	380.10	
			For Black Anodized Finish, Add	760.19	
			For >10 To 20, Deduct	-213.34	
			For >20 To 40, Deduct	-388.66	
			For >40, Deduct	-815.34	
26 56 13 00-0425	EA		50' High, 10" OD, 0.250", Round Tapered, Aluminum Area Light Pole, Anchor Base	6,396.63	1,225.98
			For Bronze Or Satin Anodized Finish, Add	394.47	
			For Black Anodized Finish, Add	788.94	
			For >10 To 20, Deduct	-219.09	
			For >20 To 40, Deduct	-398.73	
			For >40, Deduct	-836.90	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0426			<b>Round Tapered, Aluminum Area Light Poles, Hinged Anchor Base</b> <small>(26 56 13 00-0354)</small>		
26 56 13 00-0427	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,067.66	245.20
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	86.59	
			<i>For &gt;10 To 20, Deduct</i>	-35.35	
			<i>For &gt;20 To 40, Deduct</i>	-64.93	
			<i>For &gt;40, Deduct</i>	-135.63	
26 56 13 00-0428	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,173.73	286.06
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	90.24	
			<i>For &gt;10 To 20, Deduct</i>	-38.37	
			<i>For &gt;20 To 40, Deduct</i>	-70.72	
			<i>For &gt;40, Deduct</i>	-147.45	
26 56 13 00-0429	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,280.97	326.93
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	94.07	
			<i>For &gt;10 To 20, Deduct</i>	-41.43	
			<i>For &gt;20 To 40, Deduct</i>	-76.59	
			<i>For &gt;40, Deduct</i>	-159.45	
26 56 13 00-0430	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,390.53	367.79
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	98.24	
			<i>For &gt;10 To 20, Deduct</i>	-44.59	
			<i>For &gt;20 To 40, Deduct</i>	-82.63	
			<i>For &gt;40, Deduct</i>	-171.80	
26 56 13 00-0431	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,498.92	408.66
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	102.24	
			<i>For &gt;10 To 20, Deduct</i>	-47.70	
			<i>For &gt;20 To 40, Deduct</i>	-88.58	
			<i>For &gt;40, Deduct</i>	-183.97	
26 56 13 00-0432	EA		10' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,187.64	286.06
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	92.33	
			<i>For &gt;10 To 20, Deduct</i>	-38.92	
			<i>For &gt;20 To 40, Deduct</i>	-71.69	
			<i>For &gt;40, Deduct</i>	-149.54	
26 56 13 00-0433	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,297.19	326.93
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	96.50	
			<i>For &gt;10 To 20, Deduct</i>	-42.08	
			<i>For &gt;20 To 40, Deduct</i>	-77.73	
			<i>For &gt;40, Deduct</i>	-161.89	
26 56 13 00-0434	EA		14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,409.07	367.79
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	101.02	
			<i>For &gt;10 To 20, Deduct</i>	-45.33	
			<i>For &gt;20 To 40, Deduct</i>	-83.92	
			<i>For &gt;40, Deduct</i>	-174.58	
26 56 13 00-0435	EA		16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,519.78	408.66
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	105.37	
			<i>For &gt;10 To 20, Deduct</i>	-48.53	
			<i>For &gt;20 To 40, Deduct</i>	-90.04	
			<i>For &gt;40, Deduct</i>	-187.10	
26 56 13 00-0436	EA		18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,645.56	449.52
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	111.98	
			<i>For &gt;10 To 20, Deduct</i>	-52.34	
			<i>For &gt;20 To 40, Deduct</i>	-97.21	
			<i>For &gt;40, Deduct</i>	-201.88	
26 56 13 00-0437	EA		20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,760.91	490.39
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	117.02	
			<i>For &gt;10 To 20, Deduct</i>	-55.72	
			<i>For &gt;20 To 40, Deduct</i>	-103.65	
			<i>For &gt;40, Deduct</i>	-215.10	
26 56 13 00-0438	EA		12' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,342.40	326.93
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	103.28	
			<i>For &gt;10 To 20, Deduct</i>	-43.89	
			<i>For &gt;20 To 40, Deduct</i>	-80.89	
			<i>For &gt;40, Deduct</i>	-168.67	
26 56 13 00-0439	EA		14' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,460.08	367.79
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	108.67	
			<i>For &gt;10 To 20, Deduct</i>	-47.37	
			<i>For &gt;20 To 40, Deduct</i>	-87.49	
			<i>For &gt;40, Deduct</i>	-182.23	
26 56 13 00-0440	EA		16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,591.65	408.66
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	116.15	
			<i>For &gt;10 To 20, Deduct</i>	-51.41	
			<i>For &gt;20 To 40, Deduct</i>	-95.07	
			<i>For &gt;40, Deduct</i>	-197.88	
26 56 13 00-0441	EA		18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,711.64	449.52
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	121.89	
			<i>For &gt;10 To 20, Deduct</i>	-54.98	
			<i>For &gt;20 To 40, Deduct</i>	-101.83	
			<i>For &gt;40, Deduct</i>	-211.79	
26 56 13 00-0442	EA		20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,846.69	490.39
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	129.89	
			<i>For &gt;10 To 20, Deduct</i>	-59.16	
			<i>For &gt;20 To 40, Deduct</i>	-109.65	
			<i>For &gt;40, Deduct</i>	-227.96	
26 56 13 00-0443	EA		16' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,657.73	408.66
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	126.06	
			<i>For &gt;10 To 20, Deduct</i>	-54.05	
			<i>For &gt;20 To 40, Deduct</i>	-99.69	
			<i>For &gt;40, Deduct</i>	-207.79	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0444	EA		18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,800.89	449.52
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	135.28	
			<i>For &gt;10 To 20, Deduct</i>	-58.55	
			<i>For &gt;20 To 40, Deduct</i>	-108.08	
			<i>For &gt;40, Deduct</i>	-225.18	
26 56 13 00-0445	EA		20' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,918.56	490.39
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	140.67	
			<i>For &gt;10 To 20, Deduct</i>	-62.03	
			<i>For &gt;20 To 40, Deduct</i>	-114.68	
			<i>For &gt;40, Deduct</i>	-238.75	
26 56 13 00-0446	EA		12' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,378.34	326.93
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	108.67	
			<i>For &gt;10 To 20, Deduct</i>	-45.33	
			<i>For &gt;20 To 40, Deduct</i>	-83.41	
			<i>For &gt;40, Deduct</i>	-174.06	
26 56 13 00-0447	EA		14' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,514.56	367.79
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	116.85	
			<i>For &gt;10 To 20, Deduct</i>	-49.55	
			<i>For &gt;20 To 40, Deduct</i>	-91.31	
			<i>For &gt;40, Deduct</i>	-190.40	
26 56 13 00-0448	EA		16' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,657.73	408.66
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	126.06	
			<i>For &gt;10 To 20, Deduct</i>	-54.05	
			<i>For &gt;20 To 40, Deduct</i>	-99.69	
			<i>For &gt;40, Deduct</i>	-207.79	
26 56 13 00-0449	EA		18' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,786.98	449.52
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	133.19	
			<i>For &gt;10 To 20, Deduct</i>	-57.99	
			<i>For &gt;20 To 40, Deduct</i>	-107.11	
			<i>For &gt;40, Deduct</i>	-223.09	
26 56 13 00-0450	EA		20' High, 5" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,924.35	490.39
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	141.54	
			<i>For &gt;10 To 20, Deduct</i>	-62.26	
			<i>For &gt;20 To 40, Deduct</i>	-115.09	
			<i>For &gt;40, Deduct</i>	-239.61	
26 56 13 00-0451	EA		16' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,733.07	408.66
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	137.36	
			<i>For &gt;10 To 20, Deduct</i>	-57.06	
			<i>For &gt;20 To 40, Deduct</i>	-104.97	
			<i>For &gt;40, Deduct</i>	-219.09	
26 56 13 00-0452	EA		18' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	1,885.51	449.52
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	147.97	
			<i>For &gt;10 To 20, Deduct</i>	-61.93	
			<i>For &gt;20 To 40, Deduct</i>	-114.00	
			<i>For &gt;40, Deduct</i>	-237.87	
26 56 13 00-0453	EA		20' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Hinged Anchor Base .....	2,008.97	490.39
			<i>For Bronze, Satin Or Black Anodized Finish, Add</i>	154.23	
			<i>For &gt;10 To 20, Deduct</i>	-65.65	
			<i>For &gt;20 To 40, Deduct</i>	-121.01	
			<i>For &gt;40, Deduct</i>	-252.31	
<b>26 56 13 00-0454</b>			<b>Round Tapered, Aluminum Area Light Poles, Direct Burial</b> <small>(26 56 13 00-0354)</small>		
			Note: Includes rubberized undercoating on embedded portion.		
26 56 13 00-0455	EA		8' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	751.78	204.32
			<i>For Bronze Or Satin Anodized Finish, Add</i>	34.31	
			<i>For Black Anodized Finish, Add</i>	68.62	
			<i>For &gt;10 To 20, Deduct</i>	-23.94	
			<i>For &gt;20 To 40, Deduct</i>	-44.45	
			<i>For &gt;40, Deduct</i>	-92.33	
26 56 13 00-0456	EA		10' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	784.23	204.32
			<i>For Bronze Or Satin Anodized Finish, Add</i>	37.56	
			<i>For Black Anodized Finish, Add</i>	75.11	
			<i>For &gt;10 To 20, Deduct</i>	-25.24	
			<i>For &gt;20 To 40, Deduct</i>	-46.72	
			<i>For &gt;40, Deduct</i>	-97.20	
26 56 13 00-0457	EA		12' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	851.76	224.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	40.22	
			<i>For Black Anodized Finish, Add</i>	80.45	
			<i>For &gt;10 To 20, Deduct</i>	-27.33	
			<i>For &gt;20 To 40, Deduct</i>	-50.63	
			<i>For &gt;40, Deduct</i>	-105.29	
26 56 13 00-0458	EA		14' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	911.17	245.20
			<i>For Bronze Or Satin Anodized Finish, Add</i>	42.08	
			<i>For Black Anodized Finish, Add</i>	84.16	
			<i>For &gt;10 To 20, Deduct</i>	-29.09	
			<i>For &gt;20 To 40, Deduct</i>	-53.97	
			<i>For &gt;40, Deduct</i>	-112.16	
26 56 13 00-0459	EA		16' High, 4" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	952.90	245.20
			<i>For Bronze Or Satin Anodized Finish, Add</i>	46.25	
			<i>For Black Anodized Finish, Add</i>	92.50	
			<i>For &gt;10 To 20, Deduct</i>	-30.76	
			<i>For &gt;20 To 40, Deduct</i>	-56.90	
			<i>For &gt;40, Deduct</i>	-118.42	
26 56 13 00-0460	EA		12' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial .....	883.05	224.76
			<i>For Bronze Or Satin Anodized Finish, Add</i>	43.35	
			<i>For Black Anodized Finish, Add</i>	86.71	
			<i>For &gt;10 To 20, Deduct</i>	-28.58	
			<i>For &gt;20 To 40, Deduct</i>	-52.82	
			<i>For &gt;40, Deduct</i>	-109.98	



**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 13 00-0461	EA 14' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	956.38	245.20
	For Bronze Or Satin Anodized Finish, Add	46.60	
	For Black Anodized Finish, Add	93.20	
	For >10 To 20, Deduct	-30.90	
	For >20 To 40, Deduct	-57.14	
	For >40, Deduct	-118.94	
26 56 13 00-0462	EA 16' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	979.56	245.20
	For Bronze Or Satin Anodized Finish, Add	48.92	
	For Black Anodized Finish, Add	97.83	
	For >10 To 20, Deduct	-31.83	
	For >20 To 40, Deduct	-58.76	
	For >40, Deduct	-122.41	
26 56 13 00-0463	EA 18' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,057.52	265.63
	For Bronze Or Satin Anodized Finish, Add	52.63	
	For Black Anodized Finish, Add	105.25	
	For >10 To 20, Deduct	-34.33	
	For >20 To 40, Deduct	-63.40	
	For >40, Deduct	-132.07	
26 56 13 00-0464	EA 20' High, 5" OD, 0.125", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,130.84	286.06
	For Bronze Or Satin Anodized Finish, Add	55.87	
	For Black Anodized Finish, Add	111.74	
	For >10 To 20, Deduct	-36.65	
	For >20 To 40, Deduct	-67.72	
	For >40, Deduct	-141.02	
26 56 13 00-0465	EA 16' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,046.80	245.20
	For Bronze Or Satin Anodized Finish, Add	55.64	
	For Black Anodized Finish, Add	111.28	
	For >10 To 20, Deduct	-34.52	
	For >20 To 40, Deduct	-63.47	
	For >40, Deduct	-132.50	
26 56 13 00-0466	EA 18' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,131.71	265.63
	For Bronze Or Satin Anodized Finish, Add	60.05	
	For Black Anodized Finish, Add	120.09	
	For >10 To 20, Deduct	-37.30	
	For >20 To 40, Deduct	-68.59	
	For >40, Deduct	-143.19	
26 56 13 00-0467	EA 20' High, 5" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,210.83	286.06
	For Bronze Or Satin Anodized Finish, Add	63.87	
	For Black Anodized Finish, Add	127.74	
	For >10 To 20, Deduct	-39.85	
	For >20 To 40, Deduct	-73.32	
	For >40, Deduct	-153.02	
26 56 13 00-0468	EA 18' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,226.76	265.63
	For Bronze Or Satin Anodized Finish, Add	69.55	
	For Black Anodized Finish, Add	139.10	
	For >10 To 20, Deduct	-41.10	
	For >20 To 40, Deduct	-75.25	
	For >40, Deduct	-157.45	
26 56 13 00-0469	EA 25' High, 6" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,566.12	326.93
	For Bronze Or Satin Anodized Finish, Add	91.23	
	For Black Anodized Finish, Add	182.45	
	For >10 To 20, Deduct	-52.84	
	For >20 To 40, Deduct	-96.55	
	For >40, Deduct	-202.23	
26 56 13 00-0470	EA 25' High, 6" OD, 0.188", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,697.11	326.93
	For Bronze Or Satin Anodized Finish, Add	104.33	
	For Black Anodized Finish, Add	208.65	
	For >10 To 20, Deduct	-58.08	
	For >20 To 40, Deduct	-105.72	
	For >40, Deduct	-221.87	
26 56 13 00-0471	EA 30' High, 7" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	1,891.29	367.79
	For Bronze Or Satin Anodized Finish, Add	115.57	
	For Black Anodized Finish, Add	231.14	
	For >10 To 20, Deduct	-64.62	
	For >20 To 40, Deduct	-117.68	
	For >40, Deduct	-246.91	
26 56 13 00-0472	EA 30' High, 8" OD, 0.156", Round Tapered, Aluminum Area Light Pole, Direct Burial	2,033.87	367.79
	For Bronze Or Satin Anodized Finish, Add	129.83	
	For Black Anodized Finish, Add	259.66	
	For >10 To 20, Deduct	-70.32	
	For >20 To 40, Deduct	-127.66	
	For >40, Deduct	-268.30	
26 56 13 00-0473	Square Straight, Aluminum Area Light Poles (26 56 13 00-0294)		
26 56 13 00-0474	Square Straight, Aluminum Area Light Poles, Anchor Base (26 56 13 00-0473)		
26 56 13 00-0475	EA 8' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	969.13	245.20
	For Bronze Or Satin Anodized Finish, Add	47.87	
	For Black Anodized Finish, Add	95.75	
	For >10 To 20, Deduct	-31.41	
	For >20 To 40, Deduct	-58.03	
	For >40, Deduct	-120.85	
26 56 13 00-0476	EA 10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,075.20	286.06
	For Bronze Or Satin Anodized Finish, Add	50.31	
	For Black Anodized Finish, Add	100.62	
	For >10 To 20, Deduct	-34.43	
	For >20 To 40, Deduct	-63.82	
	For >40, Deduct	-132.67	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0477	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,190.55	326.93
			<i>For Bronze Or Satin Anodized Finish, Add</i>	53.67	
			<i>For Black Anodized Finish, Add</i>	107.34	
			<i>For &gt;10 To 20, Deduct</i>	-37.81	
			<i>For &gt;20 To 40, Deduct</i>	-70.26	
			<i>For &gt;40, Deduct</i>	-145.89	
26 56 13 00-0478	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,304.75	367.79
			<i>For Bronze Or Satin Anodized Finish, Add</i>	56.92	
			<i>For Black Anodized Finish, Add</i>	113.83	
			<i>For &gt;10 To 20, Deduct</i>	-41.16	
			<i>For &gt;20 To 40, Deduct</i>	-76.62	
			<i>For &gt;40, Deduct</i>	-158.93	
26 56 13 00-0479	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,366.47	388.22
			<i>For Bronze Or Satin Anodized Finish, Add</i>	59.00	
			<i>For Black Anodized Finish, Add</i>	118.00	
			<i>For &gt;10 To 20, Deduct</i>	-43.01	
			<i>For &gt;20 To 40, Deduct</i>	-80.12	
			<i>For &gt;40, Deduct</i>	-166.15	
26 56 13 00-0480	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,428.21	408.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	61.09	
			<i>For Black Anodized Finish, Add</i>	122.18	
			<i>For &gt;10 To 20, Deduct</i>	-44.87	
			<i>For &gt;20 To 40, Deduct</i>	-83.63	
			<i>For &gt;40, Deduct</i>	-173.37	
26 56 13 00-0481	EA		18' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,549.35	449.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	65.03	
			<i>For Black Anodized Finish, Add</i>	130.06	
			<i>For &gt;10 To 20, Deduct</i>	-48.49	
			<i>For &gt;20 To 40, Deduct</i>	-90.47	
			<i>For &gt;40, Deduct</i>	-187.45	
26 56 13 00-0482	EA		20' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Anchor Base	1,680.92	490.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	70.01	
			<i>For Black Anodized Finish, Add</i>	140.03	
			<i>For &gt;10 To 20, Deduct</i>	-52.53	
			<i>For &gt;20 To 40, Deduct</i>	-98.05	
			<i>For &gt;40, Deduct</i>	-203.10	
26 56 13 00-0483	EA		16' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,508.19	408.66
			<i>For Bronze Or Satin Anodized Finish, Add</i>	69.09	
			<i>For Black Anodized Finish, Add</i>	138.17	
			<i>For &gt;10 To 20, Deduct</i>	-48.07	
			<i>For &gt;20 To 40, Deduct</i>	-89.23	
			<i>For &gt;40, Deduct</i>	-185.36	
26 56 13 00-0484	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,631.65	449.52
			<i>For Bronze Or Satin Anodized Finish, Add</i>	73.26	
			<i>For Black Anodized Finish, Add</i>	146.52	
			<i>For &gt;10 To 20, Deduct</i>	-51.78	
			<i>For &gt;20 To 40, Deduct</i>	-96.23	
			<i>For &gt;40, Deduct</i>	-199.80	
26 56 13 00-0485	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,770.18	490.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	78.94	
			<i>For Black Anodized Finish, Add</i>	157.88	
			<i>For &gt;10 To 20, Deduct</i>	-56.10	
			<i>For &gt;20 To 40, Deduct</i>	-104.30	
			<i>For &gt;40, Deduct</i>	-216.49	
26 56 13 00-0486	EA		15' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	1,714.23	388.22
			<i>For Bronze Or Satin Anodized Finish, Add</i>	93.78	
			<i>For Black Anodized Finish, Add</i>	187.56	
			<i>For &gt;10 To 20, Deduct</i>	-56.92	
			<i>For &gt;20 To 40, Deduct</i>	-104.47	
			<i>For &gt;40, Deduct</i>	-218.31	
26 56 13 00-0487	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,102.87	490.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	112.21	
			<i>For Black Anodized Finish, Add</i>	224.42	
			<i>For &gt;10 To 20, Deduct</i>	-69.40	
			<i>For &gt;20 To 40, Deduct</i>	-127.59	
			<i>For &gt;40, Deduct</i>	-266.39	
26 56 13 00-0488	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Anchor Base	2,574.68	653.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	126.70	
			<i>For Black Anodized Finish, Add</i>	253.40	
			<i>For &gt;10 To 20, Deduct</i>	-83.37	
			<i>For &gt;20 To 40, Deduct</i>	-154.07	
			<i>For &gt;40, Deduct</i>	-320.82	
26 56 13 00-0489	EA		20' High, 4" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	1,842.05	490.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	86.13	
			<i>For Black Anodized Finish, Add</i>	172.25	
			<i>For &gt;10 To 20, Deduct</i>	-58.97	
			<i>For &gt;20 To 40, Deduct</i>	-109.33	
			<i>For &gt;40, Deduct</i>	-227.27	
26 56 13 00-0490	EA		20' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,243.13	490.39
			<i>For Bronze Or Satin Anodized Finish, Add</i>	126.24	
			<i>For Black Anodized Finish, Add</i>	252.47	
			<i>For &gt;10 To 20, Deduct</i>	-75.01	
			<i>For &gt;20 To 40, Deduct</i>	-137.40	
			<i>For &gt;40, Deduct</i>	-287.43	
26 56 13 00-0491	EA		25' High, 5" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base	2,702.19	653.85
			<i>For Bronze Or Satin Anodized Finish, Add</i>	139.45	
			<i>For Black Anodized Finish, Add</i>	278.90	
			<i>For &gt;10 To 20, Deduct</i>	-88.47	
			<i>For &gt;20 To 40, Deduct</i>	-163.00	
			<i>For &gt;40, Deduct</i>	-339.94	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0492	EA		20' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,463.37 148.26 296.52 -83.82 -152.82 -320.47	490.39
26 56 13 00-0493	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,989.67 168.20 336.39 -99.97 -183.12 -383.07	653.85
26 56 13 00-0494	EA		30' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Anchor Base ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	3,452.20 198.10 396.21 -116.02 -212.23 -444.27	735.59
<b>26 56 13 00-0495 Square Straight, Aluminum Area Light Poles, Direct Burial (26 56 13 00-0473)</b>					
Note: Includes rubberized undercoating on embedded portion.					
26 56 13 00-0496	EA		10' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	865.38 45.67 91.34 -28.49 -52.40 -109.37	204.32
26 56 13 00-0497	EA		12' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	965.36 51.58 103.17 -31.87 -58.58 -122.33	224.76
26 56 13 00-0498	EA		14' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,030.57 54.02 108.04 -33.87 -62.33 -130.07	245.20
26 56 13 00-0499	EA		15' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,059.55 56.92 113.83 -35.03 -64.36 -134.41	245.20
26 56 13 00-0500	EA		16' High, 4" OD, 0.125", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,095.48 60.51 121.02 -36.46 -66.88 -139.80	245.20
26 56 13 00-0501	EA		18' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,259.21 72.80 145.59 -42.40 -77.52 -162.32	265.63
26 56 13 00-0502	EA		20' High, 4" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,349.93 77.78 155.56 -45.42 -83.05 -173.88	286.06
26 56 13 00-0503	EA		20' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,531.92 95.98 191.96 -52.70 -95.79 -201.18	286.06
26 56 13 00-0504	EA		25' High, 5" OD, 0.188", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	1,759.71 110.59 221.17 -60.58 -110.10 -231.26	326.93
26 56 13 00-0505	EA		25' High, 6" OD, 0.250", Square Straight, Aluminum Area Light Pole, Direct Burial ..... <i>For Bronze Or Satin Anodized Finish, Add</i> <i>For Black Anodized Finish, Add</i> <i>For &gt;10 To 20, Deduct</i> <i>For &gt;20 To 40, Deduct</i> <i>For &gt;40, Deduct</i>	2,166.58 151.27 302.55 -76.86 -138.58 -292.29	326.93
<b>26 56 13 00-0506 Factory Accessories For Aluminum Area Light Poles (26 56 13 00-0294)</b>					
26 56 13 00-0507	EA		1/2", 3/4" Or 1" Factory Threaded Pipe Coupling Or Nipple For Aluminum Area Light Poles .....	117.61	
26 56 13 00-0508	EA		Extra Handhole For Aluminum Area Light Poles .....	43.21	
26 56 13 00-0509	EA		Vibration Dampener For Aluminum Area Light Poles .....	177.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0510			<b>Fiberglass Area Light Poles</b> <small>(26 56 13 00-0177)</small> Note: Includes UV resistant textured weave finish, anchor bolts, base cover, reinforced handhole with cover and grounding provisions and tenon top.		
26 56 13 00-0511			<b>Round Tapered, Fiberglass Area Light Poles</b> <small>(26 56 13 00-0510)</small>		
26 56 13 00-0512			<b>Round Tapered, Fiberglass Area Light Poles, Anchor Base</b> <small>(26 56 13 00-0511)</small>		
26 56 13 00-0513	EA		10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,499.44	286.06
			For >10 To 20, Deduct	-51.40	
			For >20 To 40, Deduct	-93.52	
			For >40, Deduct	-196.31	
26 56 13 00-0514	EA		12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,636.36	326.93
			For >10 To 20, Deduct	-55.65	
			For >20 To 40, Deduct	-101.47	
			For >40, Deduct	-212.76	
26 56 13 00-0515	EA		14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,774.88	367.79
			For >10 To 20, Deduct	-59.96	
			For >20 To 40, Deduct	-109.53	
			For >40, Deduct	-229.45	
26 56 13 00-0516	EA		16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,911.81	408.66
			For >10 To 20, Deduct	-64.21	
			For >20 To 40, Deduct	-117.48	
			For >40, Deduct	-245.91	
26 56 13 00-0517	EA		18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,077.12	449.52
			For >10 To 20, Deduct	-69.60	
			For >20 To 40, Deduct	-127.42	
			For >40, Deduct	-266.62	
26 56 13 00-0518	EA		20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,217.20	490.39
			For >10 To 20, Deduct	-73.98	
			For >20 To 40, Deduct	-135.59	
			For >40, Deduct	-283.54	
26 56 13 00-0519	EA		22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,437.44	572.12
			For >10 To 20, Deduct	-80.33	
			For >20 To 40, Deduct	-147.74	
			For >40, Deduct	-308.40	
26 56 13 00-0520	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,656.09	653.85
			For >10 To 20, Deduct	-86.63	
			For >20 To 40, Deduct	-159.77	
			For >40, Deduct	-333.03	
26 56 13 00-0521	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,783.84	653.85
			For >10 To 20, Deduct	-91.74	
			For >20 To 40, Deduct	-168.71	
			For >40, Deduct	-352.19	
26 56 13 00-0522	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,977.54	694.71
			For >10 To 20, Deduct	-98.26	
			For >20 To 40, Deduct	-180.64	
			For >40, Deduct	-377.16	
26 56 13 00-0523	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,171.24	735.59
			For >10 To 20, Deduct	-104.78	
			For >20 To 40, Deduct	-192.56	
			For >40, Deduct	-402.13	
26 56 13 00-0524	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,644.53	286.06
			For >10 To 20, Deduct	-57.20	
			For >20 To 40, Deduct	-103.67	
			For >40, Deduct	-218.07	
26 56 13 00-0525	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,753.07	326.93
			For >10 To 20, Deduct	-60.32	
			For >20 To 40, Deduct	-109.64	
			For >40, Deduct	-230.27	
26 56 13 00-0526	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,863.19	367.79
			For >10 To 20, Deduct	-63.49	
			For >20 To 40, Deduct	-115.71	
			For >40, Deduct	-242.70	
26 56 13 00-0527	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,976.47	408.66
			For >10 To 20, Deduct	-66.80	
			For >20 To 40, Deduct	-122.01	
			For >40, Deduct	-255.60	
26 56 13 00-0528	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,097.62	449.52
			For >10 To 20, Deduct	-70.42	
			For >20 To 40, Deduct	-128.85	
			For >40, Deduct	-269.69	
26 56 13 00-0529	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,217.20	490.39
			For >10 To 20, Deduct	-73.98	
			For >20 To 40, Deduct	-135.59	
			For >40, Deduct	-283.54	
26 56 13 00-0530	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,418.51	572.12
			For >10 To 20, Deduct	-79.58	
			For >20 To 40, Deduct	-146.41	
			For >40, Deduct	-305.56	
26 56 13 00-0531	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,656.09	653.85
			For >10 To 20, Deduct	-86.63	
			For >20 To 40, Deduct	-159.77	
			For >40, Deduct	-333.03	
26 56 13 00-0532	EA		26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,709.72	653.85
			For >10 To 20, Deduct	-88.77	
			For >20 To 40, Deduct	-163.53	
			For >40, Deduct	-341.07	
26 56 13 00-0533	EA		28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,846.64	694.71
			For >10 To 20, Deduct	-93.02	
			For >20 To 40, Deduct	-171.48	
			For >40, Deduct	-357.52	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56	13 00-0534	EA	30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,983.57	735.59
			<i>For &gt;10 To 20, Deduct</i>	-97.28	
			<i>For &gt;20 To 40, Deduct</i>	-179.43	
			<i>For &gt;40, Deduct</i>	-373.98	
26 56	13 00-0535	EA	10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,857.43	286.06
			<i>For &gt;10 To 20, Deduct</i>	-65.72	
			<i>For &gt;20 To 40, Deduct</i>	-118.58	
			<i>For &gt;40, Deduct</i>	-250.01	
26 56	13 00-0536	EA	12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	1,988.05	326.93
			<i>For &gt;10 To 20, Deduct</i>	-69.71	
			<i>For &gt;20 To 40, Deduct</i>	-126.09	
			<i>For &gt;40, Deduct</i>	-265.52	
26 56	13 00-0537	EA	14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,118.68	367.79
			<i>For &gt;10 To 20, Deduct</i>	-73.71	
			<i>For &gt;20 To 40, Deduct</i>	-133.60	
			<i>For &gt;40, Deduct</i>	-281.02	
26 56	13 00-0538	EA	16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,250.88	408.66
			<i>For &gt;10 To 20, Deduct</i>	-77.78	
			<i>For &gt;20 To 40, Deduct</i>	-141.22	
			<i>For &gt;40, Deduct</i>	-296.77	
26 56	13 00-0539	EA	18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,389.38	449.52
			<i>For &gt;10 To 20, Deduct</i>	-82.09	
			<i>For &gt;20 To 40, Deduct</i>	-149.28	
			<i>For &gt;40, Deduct</i>	-313.45	
26 56	13 00-0540	EA	20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,537.35	490.39
			<i>For &gt;10 To 20, Deduct</i>	-86.78	
			<i>For &gt;20 To 40, Deduct</i>	-158.00	
			<i>For &gt;40, Deduct</i>	-331.56	
26 56	13 00-0541	EA	22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	2,781.24	572.12
			<i>For &gt;10 To 20, Deduct</i>	-94.09	
			<i>For &gt;20 To 40, Deduct</i>	-171.80	
			<i>For &gt;40, Deduct</i>	-359.97	
26 56	13 00-0542	EA	24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,026.71	653.85
			<i>For &gt;10 To 20, Deduct</i>	-101.45	
			<i>For &gt;20 To 40, Deduct</i>	-185.72	
			<i>For &gt;40, Deduct</i>	-388.62	
26 56	13 00-0543	EA	26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,108.71	653.85
			<i>For &gt;10 To 20, Deduct</i>	-104.73	
			<i>For &gt;20 To 40, Deduct</i>	-191.46	
			<i>For &gt;40, Deduct</i>	-400.92	
26 56	13 00-0544	EA	28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,319.76	694.71
			<i>For &gt;10 To 20, Deduct</i>	-111.95	
			<i>For &gt;20 To 40, Deduct</i>	-204.59	
			<i>For &gt;40, Deduct</i>	-428.49	
26 56	13 00-0545	EA	30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,494.54	735.59
			<i>For &gt;10 To 20, Deduct</i>	-117.71	
			<i>For &gt;20 To 40, Deduct</i>	-215.19	
			<i>For &gt;40, Deduct</i>	-450.62	
26 56	13 00-0546	EA	32' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,628.46	756.01
			<i>For &gt;10 To 20, Deduct</i>	-122.46	
			<i>For &gt;20 To 40, Deduct</i>	-223.75	
			<i>For &gt;40, Deduct</i>	-468.67	
26 56	13 00-0547	EA	34' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Anchor Base.....	3,762.37	776.45
			<i>For &gt;10 To 20, Deduct</i>	-127.20	
			<i>For &gt;20 To 40, Deduct</i>	-232.31	
			<i>For &gt;40, Deduct</i>	-486.71	
26 56	13 00-0548		<b>Round Tapered, Fiberglass Area Light Poles, Direct Burial (26 56 13 00-0511)</b>		
26 56	13 00-0549	EA	10' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	938.56	204.32
			<i>For &gt;10 To 20, Deduct</i>	-31.41	
			<i>For &gt;20 To 40, Deduct</i>	-57.53	
			<i>For &gt;40, Deduct</i>	-120.35	
26 56	13 00-0550	EA	12' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,009.38	224.76
			<i>For &gt;10 To 20, Deduct</i>	-33.63	
			<i>For &gt;20 To 40, Deduct</i>	-61.67	
			<i>For &gt;40, Deduct</i>	-128.93	
26 56	13 00-0551	EA	14' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,078.64	245.20
			<i>For &gt;10 To 20, Deduct</i>	-35.79	
			<i>For &gt;20 To 40, Deduct</i>	-65.70	
			<i>For &gt;40, Deduct</i>	-137.28	
26 56	13 00-0552	EA	16' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,105.45	245.20
			<i>For &gt;10 To 20, Deduct</i>	-36.86	
			<i>For &gt;20 To 40, Deduct</i>	-67.57	
			<i>For &gt;40, Deduct</i>	-141.30	
26 56	13 00-0553	EA	18' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,190.47	265.63
			<i>For &gt;10 To 20, Deduct</i>	-39.65	
			<i>For &gt;20 To 40, Deduct</i>	-72.71	
			<i>For &gt;40, Deduct</i>	-152.01	
26 56	13 00-0554	EA	20' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,262.88	286.06
			<i>For &gt;10 To 20, Deduct</i>	-41.93	
			<i>For &gt;20 To 40, Deduct</i>	-76.96	
			<i>For &gt;40, Deduct</i>	-160.83	
26 56	13 00-0555	EA	22' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,340.01	306.49
			<i>For &gt;10 To 20, Deduct</i>	-44.41	
			<i>For &gt;20 To 40, Deduct</i>	-81.54	
			<i>For &gt;40, Deduct</i>	-170.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0556	EA		24' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,425.04	326.93
			<i>For &gt;10 To 20, Deduct</i>	-47.19	
			<i>For &gt;20 To 40, Deduct</i>	-86.68	
			<i>For &gt;40, Deduct</i>	-181.06	
26 56 13 00-0557	EA		26' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,576.44	326.93
			<i>For &gt;10 To 20, Deduct</i>	-53.25	
			<i>For &gt;20 To 40, Deduct</i>	-97.27	
			<i>For &gt;40, Deduct</i>	-203.77	
26 56 13 00-0558	EA		28' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,768.69	347.36
			<i>For &gt;10 To 20, Deduct</i>	-60.33	
			<i>For &gt;20 To 40, Deduct</i>	-109.91	
			<i>For &gt;40, Deduct</i>	-230.57	
26 56 13 00-0559	EA		30' High, 3.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,960.97	367.79
			<i>For &gt;10 To 20, Deduct</i>	-67.40	
			<i>For &gt;20 To 40, Deduct</i>	-122.56	
			<i>For &gt;40, Deduct</i>	-257.37	
26 56 13 00-0560	EA		10' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,083.65	204.32
			<i>For &gt;10 To 20, Deduct</i>	-37.22	
			<i>For &gt;20 To 40, Deduct</i>	-67.68	
			<i>For &gt;40, Deduct</i>	-142.11	
26 56 13 00-0561	EA		12' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,162.36	224.76
			<i>For &gt;10 To 20, Deduct</i>	-39.75	
			<i>For &gt;20 To 40, Deduct</i>	-72.37	
			<i>For &gt;40, Deduct</i>	-151.88	
26 56 13 00-0562	EA		14' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,241.08	245.20
			<i>For &gt;10 To 20, Deduct</i>	-42.29	
			<i>For &gt;20 To 40, Deduct</i>	-77.07	
			<i>For &gt;40, Deduct</i>	-161.64	
26 56 13 00-0563	EA		16' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,280.50	245.20
			<i>For &gt;10 To 20, Deduct</i>	-43.86	
			<i>For &gt;20 To 40, Deduct</i>	-79.83	
			<i>For &gt;40, Deduct</i>	-167.56	
26 56 13 00-0564	EA		18' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,359.21	265.63
			<i>For &gt;10 To 20, Deduct</i>	-46.40	
			<i>For &gt;20 To 40, Deduct</i>	-84.52	
			<i>For &gt;40, Deduct</i>	-177.32	
26 56 13 00-0565	EA		20' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,437.93	286.06
			<i>For &gt;10 To 20, Deduct</i>	-48.94	
			<i>For &gt;20 To 40, Deduct</i>	-89.21	
			<i>For &gt;40, Deduct</i>	-187.08	
26 56 13 00-0566	EA		22' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,516.64	306.49
			<i>For &gt;10 To 20, Deduct</i>	-51.47	
			<i>For &gt;20 To 40, Deduct</i>	-93.91	
			<i>For &gt;40, Deduct</i>	-196.85	
26 56 13 00-0567	EA		24' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,631.63	326.93
			<i>For &gt;10 To 20, Deduct</i>	-55.46	
			<i>For &gt;20 To 40, Deduct</i>	-101.14	
			<i>For &gt;40, Deduct</i>	-212.05	
26 56 13 00-0568	EA		26' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,778.30	326.93
			<i>For &gt;10 To 20, Deduct</i>	-61.32	
			<i>For &gt;20 To 40, Deduct</i>	-111.40	
			<i>For &gt;40, Deduct</i>	-234.05	
26 56 13 00-0569	EA		28' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,967.41	347.36
			<i>For &gt;10 To 20, Deduct</i>	-68.28	
			<i>For &gt;20 To 40, Deduct</i>	-123.82	
			<i>For &gt;40, Deduct</i>	-260.38	
26 56 13 00-0570	EA		30' High, 4.5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,154.95	367.79
			<i>For &gt;10 To 20, Deduct</i>	-75.16	
			<i>For &gt;20 To 40, Deduct</i>	-136.13	
			<i>For &gt;40, Deduct</i>	-286.46	
26 56 13 00-0571	EA		10' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,211.39	204.32
			<i>For &gt;10 To 20, Deduct</i>	-42.33	
			<i>For &gt;20 To 40, Deduct</i>	-76.62	
			<i>For &gt;40, Deduct</i>	-161.28	
26 56 13 00-0572	EA		12' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,280.64	224.76
			<i>For &gt;10 To 20, Deduct</i>	-44.48	
			<i>For &gt;20 To 40, Deduct</i>	-80.65	
			<i>For &gt;40, Deduct</i>	-169.62	
26 56 13 00-0573	EA		14' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,348.32	245.20
			<i>For &gt;10 To 20, Deduct</i>	-46.58	
			<i>For &gt;20 To 40, Deduct</i>	-84.57	
			<i>For &gt;40, Deduct</i>	-177.73	
26 56 13 00-0574	EA		16' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,375.13	245.20
			<i>For &gt;10 To 20, Deduct</i>	-47.65	
			<i>For &gt;20 To 40, Deduct</i>	-86.45	
			<i>For &gt;40, Deduct</i>	-181.75	
26 56 13 00-0575	EA		18' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,442.80	265.63
			<i>For &gt;10 To 20, Deduct</i>	-49.74	
			<i>For &gt;20 To 40, Deduct</i>	-90.37	
			<i>For &gt;40, Deduct</i>	-189.86	
26 56 13 00-0576	EA		20' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,512.05	286.06
			<i>For &gt;10 To 20, Deduct</i>	-51.90	
			<i>For &gt;20 To 40, Deduct</i>	-94.40	
			<i>For &gt;40, Deduct</i>	-198.20	
26 56 13 00-0577	EA		22' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,634.92	306.49
			<i>For &gt;10 To 20, Deduct</i>	-56.20	
			<i>For &gt;20 To 40, Deduct</i>	-102.18	
			<i>For &gt;40, Deduct</i>	-214.59	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 13 00-0578	EA		24' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,776.72	326.93
			For >10 To 20, Deduct	-61.26	
			For >20 To 40, Deduct	-111.29	
			For >40, Deduct	-233.82	
26 56 13 00-0579	EA		26' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	1,868.19	326.93
			For >10 To 20, Deduct	-64.92	
			For >20 To 40, Deduct	-117.70	
			For >40, Deduct	-247.54	
26 56 13 00-0580	EA		28' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,002.10	347.36
			For >10 To 20, Deduct	-69.66	
			For >20 To 40, Deduct	-126.25	
			For >40, Deduct	-265.58	
26 56 13 00-0581	EA		30' High, 5" Top OD, Round Tapered, Fiberglass Area Light Pole, Direct Burial.....	2,136.03	367.79
			For >10 To 20, Deduct	-74.41	
			For >20 To 40, Deduct	-134.81	
			For >40, Deduct	-283.63	
<b>26 56 13 00-0582</b>			<b>Factory Accessories For Fiberglass Area Light Poles (26 56 13 00-0510)</b>		
26 56 13 00-0583	EA		Open Or Capped Top For Fiberglass Area Light Poles .....	55.91	
26 56 13 00-0584	EA		Factory Side Drilling Up To Four Fixtures On Fiberglass Area Light Poles.....	55.91	
26 56 13 00-0585	EA		Smooth Shaft Finish For Fiberglass Area Light Poles.....	106.09	
26 56 13 00-0586	EA		Vibration Dampener For Fiberglass Area Light Poles .....	140.50	
<b>26 56 13 00-0587</b>			<b>Concrete Area Light Poles (26 56 13 00-0177)</b>		
<b>26 56 13 00-0588</b>			<b>Octagonal Tapered, Spun Concrete Area Light Poles, Anchor Base (26 56 13 00-0587)</b>		
26 56 13 00-0589	EA		28' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	2,370.26	694.71
26 56 13 00-0590	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	2,501.03	735.59
26 56 13 00-0591	EA		33' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	2,589.81	756.01
26 56 13 00-0592	EA		36' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	3,114.01	776.45
26 56 13 00-0593	EA		38' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	3,429.90	817.32
26 56 13 00-0594	EA		43' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	4,278.30	1,062.51
26 56 13 00-0595	EA		47' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	5,147.99	1,307.70
26 56 13 00-0596	EA		27' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	4,618.67	694.71
			Note: Polished brown with acrylic coating finish.		
26 56 13 00-0597	EA		30' High, Octagonal Tapered, Spun Concrete Area Light Pole, Anchor Base .....	5,287.54	735.59
			Note: Polished brown with acrylic coating finish.		
26 56 13 00-0598	EA		Pole Adapter Base Plate, Galvanized Steel, 1" Thick For Adapting Up To 40' .....	770.62	245.20
26 56 13 00-0599	EA		13' High Concrete Octagonal Area Light Pole, Pink With Acrylic Coating, Finish Design .....	2,757.94	490.23
26 56 13 00-0600	EA		Pole Base Cover For All Octagon Poles .....	299.19	100.04
26 56 13 00-0601	EA		Pole Arms 24" Long, Square, 250 Watt Fixture, Dark, Architectural Bronze.....	612.82	200.08
<b>26 56 13 00-0602</b>			<b>Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
			Note: Round or square.		
26 56 13 00-0603	EA		13' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,274.06	326.93
26 56 13 00-0604	EA		16' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,595.11	408.66
26 56 13 00-0605	EA		18' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	2,890.98	490.39
26 56 13 00-0606	EA		30' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,062.13	735.59
26 56 13 00-0607	EA		35' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	4,637.67	776.45
26 56 13 00-0608	EA		40' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	5,257.83	817.32
26 56 13 00-0609	EA		45' High, Tapered, Spun Concrete Area Light Pole, Direct Burial.....	6,169.73	1,062.51
<b>26 56 13 00-0610</b>			<b>Round Tapered, Spun Concrete Area Light Poles, Direct Burial (26 56 13 00-0587)</b>		
26 56 13 00-0611	EA		60' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 60 9-22).....	19,477.92	1,838.96
26 56 13 00-0612	EA		70' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C2 70 9-24).....	23,347.19	2,345.12
26 56 13 00-0613	EA		80' High, Round Tapered, Spun Concrete Area Light Pole, Direct Burial (Lithonia SPRTC C1 80 9-26).....	27,741.87	3,167.97
<b>26 56 13 00-0614</b>			<b>Treated Wood Area Light Poles (26 56 13 00-0177)</b>		
			See CSI section 26 05 46 00-0001 for wood poles.		
<b>26 56 13 00-0615</b>			<b>Cast Iron Decorative Light Posts (26 56 13 00-0177)</b>		
<b>26 56 13 00-0616</b>			<b>Round Tapered, Cast Iron Decorative Light Post, Anchor Base (26 56 13 00-0615)</b>		
			Note: As manufactured by Hadco and King Luminaries or an approved equal.		
26 56 13 00-0617	EA		10' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,631.44	204.32
26 56 13 00-0618	EA		12' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,726.03	235.39
26 56 13 00-0619	EA		14' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	1,868.91	245.20
26 56 13 00-0620	EA		16' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	2,292.02	286.06
26 56 13 00-0621	EA		18' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	2,670.45	310.58
26 56 13 00-0622	EA		20' High, Round Tapered, Cast Iron Decorative Light Post, Anchor Base .....	3,066.85	335.09
<b>26 56 13 00-0623</b>			<b>Landscape Light Poles (26 56 13 00-0001)</b>		
			Note: Excludes lighting fixtures.		
<b>26 56 13 00-0624</b>			<b>Aluminum Landscape Light Poles (26 56 13 00-0623)</b>		
			Note: Includes painted finish.		
<b>26 56 13 00-0625</b>			<b>Round Straight, Aluminum Landscape Light Poles (26 56 13 00-0624)</b>		
<b>26 56 13 00-0626</b>			<b>Round Straight, Aluminum Landscape Light Poles, Anchor Base (26 56 13 00-0625)</b>		
26 56 13 00-0627	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	593.55	245.20
26 56 13 00-0628	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Anchor Base.....	980.32	326.93

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0629			Round Straight, Aluminum Landscape Light Poles, Direct Burial <small>(26 56 13 00-0625)</small>		
26 56 13 00-0630	EA		7' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial .....	545.00	245.20
26 56 13 00-0631	EA		12' High, 3" OD, Round Straight, Aluminum Landscape Light Pole, Direct Burial .....	931.77	326.93
26 56 13 00-0632			Steel Landscape Light Poles <small>(26 56 13 00-0623)</small> Note: Includes painted finish.		
26 56 13 00-0633			Round Straight, Steel Landscape Light Poles <small>(26 56 13 00-0632)</small>		
26 56 13 00-0634			Round Straight, Steel Landscape Light Poles, Anchor Base <small>(26 56 13 00-0633)</small>		
26 56 13 00-0635	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Anchor Base.....	691.18	245.20
26 56 13 00-0636			Round Straight, Steel Landscape Light Poles, Direct Burial <small>(26 56 13 00-0633)</small>		
26 56 13 00-0637	EA		6'-8" High, 3" OD, Round Straight, Steel Landscape Light Pole, Direct Burial.....	646.20	245.20
26 56 13 00-0638			Light Pole Brackets And Arms <small>(26 56 13 00-0001)</small>		
26 56 13 00-0639			Light Pole Brackets <small>(26 56 13 00-0638)</small>		
26 56 13 00-0640			Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>		
26 56 13 00-0641			Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>		
26 56 13 00-0642			Steel, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small> Note: Includes powdercoat finish.		
26 56 13 00-0643	EA		Two Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket.....	903.29	49.04
			<i>For Galvanized Finish, Add</i>	80.52	
26 56 13 00-0644	EA		Three Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,146.22	49.04
			<i>For Galvanized Finish, Add</i>	104.81	
26 56 13 00-0645	EA		Three Tenons At 120 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,220.38	49.04
			<i>For Galvanized Finish, Add</i>	112.23	
26 56 13 00-0646	EA		Four Tenons At 90 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,678.13	49.04
			<i>For Galvanized Finish, Add</i>	158.01	
26 56 13 00-0647	EA		Four Tenons At 180 Degrees, Steel, Round Bullhorn Style, Pole Top Area Light Bracket .....	1,749.41	49.04
			<i>For Galvanized Finish, Add</i>	165.13	
26 56 13 00-0648			Aluminum, Round Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0641)</small> Note: Includes satin brushed or painted finish.		
26 56 13 00-0649	EA		Two Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	287.03	49.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	18.90	
			<i>For Black Anodized Finish, Add</i>	37.79	
26 56 13 00-0650	EA		Three Tenons At 120 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	347.30	49.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	24.92	
			<i>For Black Anodized Finish, Add</i>	49.84	
26 56 13 00-0651	EA		Three Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	363.53	49.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	26.55	
			<i>For Black Anodized Finish, Add</i>	53.09	
26 56 13 00-0652	EA		Four Tenons At 90 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	420.33	49.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	32.23	
			<i>For Black Anodized Finish, Add</i>	64.45	
26 56 13 00-0653	EA		Four Tenons At 180 Degrees, Aluminum, Round Bullhorn Style, Pole Top Area Light Bracket .....	431.92	49.04
			<i>For Bronze Or Satin Anodized Finish, Add</i>	33.38	
			<i>For Black Anodized Finish, Add</i>	66.77	
26 56 13 00-0654			Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0640)</small>		
26 56 13 00-0655			Steel, Square Bullhorn Style, Pole Top Area Light Brackets <small>(26 56 13 00-0654)</small> Note: Includes powdercoat finish.		
26 56 13 00-0656	EA		Two Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket.....	972.65	49.04
			<i>For Galvanized Finish, Add</i>	87.46	
26 56 13 00-0657	EA		Three Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	1,205.36	49.04
			<i>For Galvanized Finish, Add</i>	110.73	
26 56 13 00-0658	EA		Four Tenons At 180 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	1,478.66	49.04
			<i>For Galvanized Finish, Add</i>	138.06	
26 56 13 00-0659	EA		Four Tenons At 90 Degrees, Steel, Square Bullhorn Style, Pole Top Area Light Bracket .....	1,753.25	49.04
			<i>For Galvanized Finish, Add</i>	165.52	
26 56 13 00-0660			Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0639)</small>		
26 56 13 00-0661			Steel, Wood Pole Clamp On Style, Pole Top Area Light Brackets <small>(26 56 13 00-0660)</small> Note: Includes powdercoat finish.		
26 56 13 00-0662	EA		One Tenon, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	908.25	81.73
26 56 13 00-0663	EA		Two Tenons At 90, 120 Or 180 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket.....	1,384.54	81.73
26 56 13 00-0664	EA		Three Tenons At 120 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	1,948.09	81.73
26 56 13 00-0665	EA		Four Tenons At 90 Degrees, Steel, Wood Pole Clamp On Style, Pole Top Area Light Bracket .....	2,133.49	81.73
26 56 13 00-0666			Light Pole Arms <small>(26 56 13 00-0638)</small>		
26 56 13 00-0667			Wood Pole Streetlight Arms <small>(26 56 13 00-0666)</small>		

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 13 00-0668		<b>Steel, Wood Pole Streetlight Arms</b> (26 56 13 00-0667)			
26 56 13 00-0669	EA	1-1/4" Arm Diameter, 2-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	518.56		73.55
26 56 13 00-0670	EA	1-1/4" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	547.36		81.73
26 56 13 00-0671	EA	1-1/4" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	632.02		102.17
26 56 13 00-0672	EA	2" Arm Diameter, 3-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	775.60		81.73
26 56 13 00-0673	EA	2" Arm Diameter, 5-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	859.61		102.17
26 56 13 00-0674	EA	2" Arm Diameter, 7-1/2' Arm Length, Galvanized Steel, Wood Pole Streetlight Arm, Bolt Mount.....	1,044.01		122.59
26 56 13 00-0675		<b>Aluminum, Wood Pole Streetlight Arms</b> (26 56 13 00-0667)			
26 56 13 00-0676	EA	1-1/4" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	293.26		81.73
26 56 13 00-0677	EA	2" Arm Diameter, 42" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	359.83		81.73
26 56 13 00-0678	EA	2" Arm Diameter, 66" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	479.78		102.17
26 56 13 00-0679	EA	2" Arm Diameter, 90" Arm Length, Aluminum Arm, Wood Pole Streetlight Arm, Bolt Mount.....	627.34		122.59
26 56 13 00-0680		<b>Area Light Arms</b> (26 56 13 00-0666)			
26 56 13 00-0681		<b>Steel Area Light Arms</b> (26 56 13 00-0680)			
26 56 13 00-0682	EA	Single, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	1,012.65		81.73
26 56 13 00-0683	EA	Two, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,602.87		89.90
26 56 13 00-0684	EA	Three, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,781.76		98.08
26 56 13 00-0685	EA	Four, 2.38" Arm Diameter, 4' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	2,119.87		106.25
26 56 13 00-0686	EA	Single, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arm, Hub Mount.....	1,206.10		102.17
26 56 13 00-0687	EA	Two, 2.38" Arm Diameter, 6' Arm Length, Upsweep Style, Steel Area Light Arms, Hub Mount.....	1,736.61		110.34
26 56 13 00-0688		<b>Aluminum Area Light Arms</b> (26 56 13 00-0680)			
26 56 13 00-0689	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	352.41		81.73
26 56 13 00-0690	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	435.00		102.17
26 56 13 00-0691	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Bolt Mount.....	519.93		122.59
26 56 13 00-0692	EA	Single, 4' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	350.09		81.73
26 56 13 00-0693	EA	Two, 4' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	491.63		89.90
26 56 13 00-0694	EA	Single, 6' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	430.36		102.17
26 56 13 00-0695	EA	Two, 6' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	599.72		110.34
26 56 13 00-0696	EA	Single, 8' Arm Length, Mast Style, Aluminum Area Light Arm, Hub Mount.....	522.24		122.59
26 56 13 00-0697	EA	Two, 8' Arm Length, Mast Style, Aluminum Area Light Arms, Hub Mount.....	727.53		130.77
26 56 13 00-0698		<b>Removal And Reinstallation Of Lighting Pole</b> (26 56 13 00-0001)			
26 56 13 00-0699	EA	Removal And Relocation Of Up To 45' Lighting Pole And Standards With One Or Two Arms.....	2,697.40		
26 56 13 00-0700		<b>High Mast Lighting</b> (26 56 13 00-0001)			
26 56 13 00-0701		<b>High Mast Lighting Assemblies</b> (26 56 13 00-0700)			
Note: Includes Non Latching System, Ring Assembly With Internal Bumper, Acrylic Top Cover, Pulley Supports, Cast Arm Filter For Pipe Tenion, Transition Assembly, Standard Head Frame Assembly, Standard Hoist, Pole. As Manufactured By Metrolux					
26 56 13 00-0702	EA	60' High Mast Lighting Assembly.....	58,994.31		2,603.17
26 56 13 00-0703	EA	70' High Mast Lighting Assembly.....	62,311.45		2,726.42
26 56 13 00-0704	EA	80' High Mast Lighting Assembly.....	65,677.02		2,904.49
26 56 13 00-0705	EA	90' High Mast Lighting Assembly.....	69,089.05		3,137.36
26 56 13 00-0706	EA	100' High Mast Lighting Assembly.....	72,528.94		3,424.92
26 56 13 00-0707	EA	110' High Mast Lighting Assembly.....	76,956.39		3,767.66
26 56 13 00-0708	EA	120' High Mast Lighting Assembly.....	80,544.93		4,110.14
26 56 13 00-0709	EA	130' High Mast Lighting Assembly.....	83,864.67		4,452.60
26 56 13 00-0710	EA	140' High Mast Lighting Assembly.....	87,453.21		4,795.24
26 56 13 00-0711	EA	150' High Mast Lighting Assembly.....	91,802.35		5,137.70
26 56 13 00-0712		<b>High Mast Light Poles As Manufactured By Metrolux</b> (26 56 13 00-0700)			
26 56 13 00-0713	EA	60' High Mast Light Poles.....	22,663.50		1,563.41
26 56 13 00-0714	EA	70' High Mast Light Poles.....	25,943.61		1,637.47
26 56 13 00-0715	EA	80' High Mast Light Poles.....	29,255.71		1,744.44
26 56 13 00-0716	EA	90' High Mast Light Poles.....	32,597.79		1,884.32
26 56 13 00-0717	EA	100' High Mast Light Poles.....	35,971.85		2,057.13
26 56 13 00-0718	EA	110' High Mast Light Poles.....	39,377.88		2,262.84
26 56 13 00-0719	EA	120' High Mast Light Poles.....	41,967.58		2,468.55
26 56 13 00-0720	EA	130' High Mast Light Poles.....	41,612.21		4,575.04
26 56 13 00-0721	EA	140' High Mast Light Poles.....	46,876.17		2,879.97
26 56 13 00-0722	EA	150' High Mast Light Poles.....	49,736.64		3,085.69
26 56 13 00-0723		<b>High Mast Lighting Accessories</b> (26 56 13 00-0700)			
Note: As Manufactured By Metrolux See CSI section 26 56 21 00-0001 for light fixtures.					
26 56 13 00-0724	EA	Bottom Latching System For High Mast Lighting.....	1,057.65		
26 56 13 00-0725	EA	Top Latching System For High Mast Lighting.....	2,959.40		
26 56 13 00-0726	EA	Centering Springs For High Mast Lighting.....	2,240.95		
26 56 13 00-0727	EA	Electric Power Cord For High Mast Lighting.....	951.06		
26 56 13 00-0728	EA	Aircraft Warning Lights For High Mast Lighting.....	1,787.62		
26 56 13 00-0729	EA	Internal Motorized Hoist For High Mast Lighting.....	18,834.71		
26 56 13 00-0730	EA	Portable Hoist Motor With Step Down Transformer For High Mast Lighting.....	18,968.52		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 13 00-0731			<b>Concrete Bases</b> (26 56 13 00-0001)		
26 56 13 00-0732			<b>Concrete Bases, Cast In Place</b> (26 56 13 00-0731)		
			Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill. Excludes conduit.		
26 56 13 00-0733	EA		Cast In Place Concrete Base For Poles Minimum Charge.....	505.39	
			Note: For projects where the cast in place concrete base for poles charge is less than the minimum charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
26 56 13 00-0734	VLF		1-1/2' Diameter Concrete Base For Poles.....	69.18	
26 56 13 00-0735	VLF		2' Diameter Concrete Base For Poles.....	98.37	
26 56 13 00-0736	VLF		2-1/2' Diameter Concrete Base For Poles.....	134.02	
26 56 13 00-0737	VLF		3' Diameter Concrete Base For Poles.....	177.28	
26 56 13 00-0738	VLF		3-1/2' Diameter Concrete Base For Poles.....	237.43	
26 56 13 00-0739	VLF		4' Diameter Concrete Base For Poles.....	299.56	
26 56 13 00-0740	VLF		5' Diameter Concrete Base For Poles.....	437.76	
26 56 13 00-0741	VLF		6' Diameter Concrete Base For Poles.....	604.63	
26 56 13 00-0742			<b>Precast Concrete Light Pole Base, Square And Round</b> (26 56 13 00-0731)		
26 56 13 00-0743	LF		Square 12" x 12" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	137.52	
26 56 13 00-0744	LF		Square 18" x 18" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	149.86	
26 56 13 00-0745	LF		Square 24" x 24" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	181.40	
26 56 13 00-0746	LF		Square 30" x 30" Precast Concrete Light Pole Base, (Type 1, Binghamton Precast And Supply).....	189.57	
26 56 13 00-0747	LF		Round 24" Precast Concrete Light Pole Base.....	150.15	
26 56 13 00-0748	LF		Round 30" Precast Concrete Light Pole Base.....	167.32	
26 56 13 00-0749	LF		Round 36" Precast Concrete Light Pole Base.....	197.19	
26 56 18			<b>Incandescent Exterior Lighting</b> (26 56)		
26 56 18 00-0001			<b>Exterior Globe</b> (26 56 18)		
26 56 18 00-0002			<b>Incandescent, Exterior Globe</b> (26 56 18 00-0001)		
26 56 18 00-0003	EA		100 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	70.88	28.16
26 56 18 00-0004	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed, Exterior Wall Fixture.....	103.07	28.16
26 56 18 00-0005	EA		100 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	80.63	28.16
26 56 18 00-0006	EA		150 To 200 Watt Incandescent, Enclosed And Gasketed With Guard, Exterior Wall Fixture.....	106.83	28.16
26 56 18 00-0007			<b>Compact Fluorescent And Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures</b> (26 56 18)		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 18 00-0008	EA		7 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	312.23	112.66
26 56 18 00-0009	EA		9 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	326.38	119.70
26 56 18 00-0010	EA		13 Or 14 Watt Fluorescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	357.46	126.74
26 56 18 00-0011	EA		75 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	354.67	140.82
26 56 18 00-0012	EA		100 Watt Incandescent, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture.....	400.25	161.95
26 56 19			<b>LED Exterior Lighting</b> (26 56)		
26 56 19 00-0001			<b>LED, Roadway Lighting</b> (26 56 19)		
26 56 19 00-0002			<b>LED Roadway Lighting (Philips Lumec)</b> (26 56 19 00-0001)		
26 56 19 00-0003			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec GPL Series)</b> (26 56 19 00-0002)		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 570mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0004	EA		49 LEDs, 102 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLS Series).....	1,542.61	199.98
			For >50 To 100, Deduct	-77.13	
			For >100 To 250, Deduct	-115.70	
			For >250 To 500, Deduct	-182.83	
			For >500 To 1000, Deduct	-249.96	
			For >1000, Deduct	-317.09	
26 56 19 00-0005	EA		98 LEDs, 204 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec GPLM Series).....	2,360.41	205.38
			For >50 To 100, Deduct	-118.02	
			For >100 To 250, Deduct	-177.03	
			For >250 To 500, Deduct	-284.78	
			For >500 To 1000, Deduct	-392.53	
			For >1000, Deduct	-500.28	
26 56 19 00-0006			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Philips Lumec RFM Series)</b> (26 56 19 00-0002)		
			Note: UL wet listed. Includes 3,000 to 4,000K color temperature, 120-277 voltage, up to 1050mA driver, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0007	EA		48 LEDs, 55 Watt, Type III Medium, 120-277 Volt, Horizontal Tenon Mount, LED Cobra Head Street Light (Philips Lumec RFM Series).....	1,255.41	199.98
			For >50 To 100, Deduct	-62.77	
			For >100 To 250, Deduct	-94.16	
			For >250 To 500, Deduct	-146.93	
			For >500 To 1000, Deduct	-199.70	
			For >1000, Deduct	-252.47	



**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0008	EA		48 LEDs, 80 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,340.96	199.98
			<i>For &gt;50 To 100, Deduct</i>	-67.05	
			<i>For &gt;100 To 250, Deduct</i>	-100.57	
			<i>For &gt;250 To 500, Deduct</i>	-157.62	
			<i>For &gt;500 To 1000, Deduct</i>	-214.67	
			<i>For &gt;1000, Deduct</i>	-271.72	
26 56 19 00-0009	EA		48 LEDs, 108 Watt, Type III Medium, 120-277 Volt, RoadFocus Roadway, LED Cobra Head Luminaire (Philips Lumec RFM Series).....	1,426.50	199.98
			<i>For &gt;50 To 100, Deduct</i>	-71.33	
			<i>For &gt;100 To 250, Deduct</i>	-106.99	
			<i>For &gt;250 To 500, Deduct</i>	-168.31	
			<i>For &gt;500 To 1000, Deduct</i>	-229.64	
			<i>For &gt;1000, Deduct</i>	-290.97	
26 56 19 00-0010			<b>LED Roadway Lighting (Lithonia)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0011			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (Lithonia CSX1 Series)</b> <small>(26 56 19 00-0010)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 700mA driver, die-cast extruded aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 19 00-0012	EA		30 LEDs, 74 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	2,462.12	189.17
			<i>For &gt;50 To 100, Deduct</i>	-123.11	
			<i>For &gt;100 To 250, Deduct</i>	-184.66	
			<i>For &gt;250 To 500, Deduct</i>	-298.31	
			<i>For &gt;500 To 1000, Deduct</i>	-411.95	
			<i>For &gt;1000, Deduct</i>	-525.60	
26 56 19 00-0013	EA		60 LEDs, 146 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (Lithonia CSX1 Series).....	4,044.89	194.57
			<i>For &gt;50 To 100, Deduct</i>	-202.24	
			<i>For &gt;100 To 250, Deduct</i>	-303.37	
			<i>For &gt;250 To 500, Deduct</i>	-495.88	
			<i>For &gt;500 To 1000, Deduct</i>	-688.40	
			<i>For &gt;1000, Deduct</i>	-880.91	
26 56 19 00-0014			<b>LED Roadway Lighting (CREE® BetaLED®)</b> <small>(26 56 19 00-0001)</small>		
26 56 19 00-0015			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® LEDway® STR-LWY)</b> <small>(26 56 19 00-0014)</small>		
			Note: UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type II Medium, Type II Short or Type III Medium optic. Excludes sensors.		
26 56 19 00-0016	EA		20 LEDs, 25 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,019.83	183.77
			<i>For &gt;50 To 100, Deduct</i>	-50.99	
			<i>For &gt;100 To 250, Deduct</i>	-76.49	
			<i>For &gt;250 To 500, Deduct</i>	-118.29	
			<i>For &gt;500 To 1000, Deduct</i>	-160.09	
			<i>For &gt;1000, Deduct</i>	-201.90	
26 56 19 00-0017	EA		30 LEDs, 35 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,141.26	189.17
			<i>For &gt;50 To 100, Deduct</i>	-57.06	
			<i>For &gt;100 To 250, Deduct</i>	-85.59	
			<i>For &gt;250 To 500, Deduct</i>	-133.20	
			<i>For &gt;500 To 1000, Deduct</i>	-180.80	
			<i>For &gt;1000, Deduct</i>	-228.41	
26 56 19 00-0018	EA		40 LEDs, 45 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,287.50	194.57
			<i>For &gt;50 To 100, Deduct</i>	-64.38	
			<i>For &gt;100 To 250, Deduct</i>	-96.56	
			<i>For &gt;250 To 500, Deduct</i>	-151.21	
			<i>For &gt;500 To 1000, Deduct</i>	-205.86	
			<i>For &gt;1000, Deduct</i>	-260.50	
26 56 19 00-0019	EA		50 LEDs, 55 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,410.84	199.98
			<i>For &gt;50 To 100, Deduct</i>	-70.54	
			<i>For &gt;100 To 250, Deduct</i>	-105.81	
			<i>For &gt;250 To 500, Deduct</i>	-166.36	
			<i>For &gt;500 To 1000, Deduct</i>	-226.90	
			<i>For &gt;1000, Deduct</i>	-287.44	
26 56 19 00-0020	EA		60 LEDs, 65 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,534.18	205.38
			<i>For &gt;50 To 100, Deduct</i>	-76.71	
			<i>For &gt;100 To 250, Deduct</i>	-115.06	
			<i>For &gt;250 To 500, Deduct</i>	-181.50	
			<i>For &gt;500 To 1000, Deduct</i>	-247.94	
			<i>For &gt;1000, Deduct</i>	-314.38	
26 56 19 00-0021	EA		70 LEDs, 75 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY).....	1,825.36	210.79
			<i>For &gt;50 To 100, Deduct</i>	-91.27	
			<i>For &gt;100 To 250, Deduct</i>	-136.90	
			<i>For &gt;250 To 500, Deduct</i>	-217.63	
			<i>For &gt;500 To 1000, Deduct</i>	-298.36	
			<i>For &gt;1000, Deduct</i>	-379.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0022	EA		80 LEDs, 86 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	1,948.70	216.19
			<i>For &gt;50 To 100, Deduct</i>	-97.44	
			<i>For &gt;100 To 250, Deduct</i>	-146.15	
			<i>For &gt;250 To 500, Deduct</i>	-232.78	
			<i>For &gt;500 To 1000, Deduct</i>	-319.40	
			<i>For &gt;1000, Deduct</i>	-406.03	
26 56 19 00-0023	EA		90 LEDs, 96 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	2,070.14	221.60
			<i>For &gt;50 To 100, Deduct</i>	-103.51	
			<i>For &gt;100 To 250, Deduct</i>	-155.26	
			<i>For &gt;250 To 500, Deduct</i>	-247.69	
			<i>For &gt;500 To 1000, Deduct</i>	-340.12	
			<i>For &gt;1000, Deduct</i>	-432.54	
26 56 19 00-0024	EA		100 LEDs, 111 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	2,306.01	227.00
			<i>For &gt;50 To 100, Deduct</i>	-115.30	
			<i>For &gt;100 To 250, Deduct</i>	-172.95	
			<i>For &gt;250 To 500, Deduct</i>	-276.90	
			<i>For &gt;500 To 1000, Deduct</i>	-380.85	
			<i>For &gt;1000, Deduct</i>	-484.80	
26 56 19 00-0025	EA		110 LEDs, 122 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	2,429.35	232.40
			<i>For &gt;50 To 100, Deduct</i>	-121.47	
			<i>For &gt;100 To 250, Deduct</i>	-182.20	
			<i>For &gt;250 To 500, Deduct</i>	-292.05	
			<i>For &gt;500 To 1000, Deduct</i>	-401.90	
			<i>For &gt;1000, Deduct</i>	-511.74	
26 56 19 00-0026	EA		120 LEDs, 133 Watt, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® BetaLED® LEDway® STR-LWY) .....	2,552.70	237.81
			<i>For &gt;50 To 100, Deduct</i>	-127.64	
			<i>For &gt;100 To 250, Deduct</i>	-191.45	
			<i>For &gt;250 To 500, Deduct</i>	-307.20	
			<i>For &gt;500 To 1000, Deduct</i>	-422.94	
			<i>For &gt;1000, Deduct</i>	-538.69	
<b>26 56 19 00-0027</b>			<b>Surface Mount, LED Transportation Fixtures (CREE® BetaLED® Edge® TSP-EDG)</b> <small>(26 56 19 00-0014)</small>		
			Note: Direct, cantenary or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0028	EA		40 LEDs, 47 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	1,983.67	194.57
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-99.18	
			<i>For &gt;100 To 250, Deduct</i>	-148.78	
			<i>For &gt;250 To 500, Deduct</i>	-238.23	
			<i>For &gt;500 To 1000, Deduct</i>	-327.68	
			<i>For &gt;1000, Deduct</i>	-417.14	
26 56 19 00-0029	EA		60 LEDs, 68 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,285.67	205.38
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-114.28	
			<i>For &gt;100 To 250, Deduct</i>	-171.43	
			<i>For &gt;250 To 500, Deduct</i>	-275.44	
			<i>For &gt;500 To 1000, Deduct</i>	-379.45	
			<i>For &gt;1000, Deduct</i>	-483.47	
26 56 19 00-0030	EA		80 LEDs, 90 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,587.66	216.19
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-129.38	
			<i>For &gt;100 To 250, Deduct</i>	-194.07	
			<i>For &gt;250 To 500, Deduct</i>	-312.65	
			<i>For &gt;500 To 1000, Deduct</i>	-431.22	
			<i>For &gt;1000, Deduct</i>	-549.80	
26 56 19 00-0031	EA		100 LEDs, 111 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	2,889.65	227.00
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-144.48	
			<i>For &gt;100 To 250, Deduct</i>	-216.72	
			<i>For &gt;250 To 500, Deduct</i>	-349.86	
			<i>For &gt;500 To 1000, Deduct</i>	-482.99	
			<i>For &gt;1000, Deduct</i>	-616.12	
26 56 19 00-0032	EA		120 LEDs, 132 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	3,786.74	237.81
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-189.34	
			<i>For &gt;100 To 250, Deduct</i>	-284.01	
			<i>For &gt;250 To 500, Deduct</i>	-461.45	
			<i>For &gt;500 To 1000, Deduct</i>	-638.90	
			<i>For &gt;1000, Deduct</i>	-816.35	
26 56 19 00-0033	EA		140 LEDs, 157 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,088.73	248.62
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-204.44	
			<i>For &gt;100 To 250, Deduct</i>	-306.65	
			<i>For &gt;250 To 500, Deduct</i>	-498.66	
			<i>For &gt;500 To 1000, Deduct</i>	-690.67	
			<i>For &gt;1000, Deduct</i>	-882.67	
26 56 19 00-0034	EA		160 LEDs, 179 Watt, Surface Mount, LED Transportation Fixture (CREE® BetaLED® Edge® TSP-EDG).....	4,390.73	259.43
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-219.54	
			<i>For &gt;100 To 250, Deduct</i>	-329.30	
			<i>For &gt;250 To 500, Deduct</i>	-535.87	
			<i>For &gt;500 To 1000, Deduct</i>	-742.43	
			<i>For &gt;1000, Deduct</i>	-949.00	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0035			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® BetaLED® XSP)</b> (26 56 19 00-0014) Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0036	EA		4,806 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	859.19	194.57
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	40.73	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	61.97	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-42.96	
			<i>For &gt;100 To 250, Deduct</i>	-64.44	
			<i>For &gt;250 To 500, Deduct</i>	-97.67	
			<i>For &gt;500 To 1000, Deduct</i>	-130.90	
			<i>For &gt;1000, Deduct</i>	-164.13	
26 56 19 00-0037	EA		5,340 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-B-HT-XXX-A).....	859.19	194.57
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	40.73	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	61.97	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-42.96	
			<i>For &gt;100 To 250, Deduct</i>	-64.44	
			<i>For &gt;250 To 500, Deduct</i>	-97.67	
			<i>For &gt;500 To 1000, Deduct</i>	-130.90	
			<i>For &gt;1000, Deduct</i>	-164.13	
26 56 19 00-0038	EA		8,407 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	944.22	194.57
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	40.73	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	61.97	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For &gt;50 To 100, Deduct</i>	-47.21	
			<i>For &gt;100 To 250, Deduct</i>	-70.82	
			<i>For &gt;250 To 500, Deduct</i>	-108.30	
			<i>For &gt;500 To 1000, Deduct</i>	-145.78	
			<i>For &gt;1000, Deduct</i>	-183.26	
26 56 19 00-0039	EA		8,820 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP1™ BXSP-C-HT-XXX-E).....	944.22	194.57
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Backlight Control Shield, Add</i>	40.73	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Bird Spikes, Add</i>	61.97	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For &gt;50 To 100, Deduct</i>	-47.21	
			<i>For &gt;100 To 250, Deduct</i>	-70.82	
			<i>For &gt;250 To 500, Deduct</i>	-108.30	
			<i>For &gt;500 To 1000, Deduct</i>	-145.78	
			<i>For &gt;1000, Deduct</i>	-183.26	
26 56 19 00-0040	EA		9,612 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	1,095.38	194.57
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Field Adjustable Output, Add</i>	33.75	
			<i>For Backlight Control Shield, Add</i>	57.24	
			<i>For Field Adjustable Output And Utility Label, Add</i>	44.99	
			<i>For Fuse, Add</i>	67.48	
			<i>For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	99.78	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-54.77	
			<i>For &gt;100 To 250, Deduct</i>	-82.15	
			<i>For &gt;250 To 500, Deduct</i>	-127.19	
			<i>For &gt;500 To 1000, Deduct</i>	-172.23	
			<i>For &gt;1000, Deduct</i>	-217.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0041	EA		10,680 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-B-HT-XXX-B).....	1,095.38	194.57
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Field Adjustable Output, Add	33.75	
			For Backlight Control Shield, Add	57.24	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Fuse, Add	67.48	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For Bird Spikes, Add	99.78	
			For 480 Volt, Add	101.23	
			For Multi-Level, Add	146.21	
			For >50 To 100, Deduct	-54.77	
			For >100 To 250, Deduct	-82.15	
			For >250 To 500, Deduct	-127.19	
			For >500 To 1000, Deduct	-172.23	
			For >1000, Deduct	-217.27	
26 56 19 00-0042	EA		13,732 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,237.11	194.57
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Field Adjustable Output, Add	33.75	
			For Backlight Control Shield, Add	57.24	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For Bird Spikes, Add	99.78	
			For 480 Volt, Add	101.23	
			For >50 To 100, Deduct	-61.86	
			For >100 To 250, Deduct	-92.78	
			For >250 To 500, Deduct	-144.91	
			For >500 To 1000, Deduct	-197.04	
			For >1000, Deduct	-249.16	
26 56 19 00-0043	EA		14,408 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSP2™ BXSP-C-HT-XXX-F).....	1,237.11	194.57
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Field Adjustable Output, Add	33.75	
			For Backlight Control Shield, Add	57.24	
			For Field Adjustable Output And Utility Label, Add	44.99	
			For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
			For Bird Spikes, Add	99.78	
			For 480 Volt, Add	101.23	
			For >50 To 100, Deduct	-61.86	
			For >100 To 250, Deduct	-92.78	
			For >250 To 500, Deduct	-144.91	
			For >500 To 1000, Deduct	-197.04	
			For >1000, Deduct	-249.16	
26 56 19 00-0044	EA		2,529 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	708.02	194.57
			For Utility Label, Add	11.24	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	33.75	
			For 0 To 10 Volt Dimming, Add	67.48	
			For >50 To 100, Deduct	-35.40	
			For >100 To 250, Deduct	-53.10	
			For >250 To 500, Deduct	-78.77	
			For >500 To 1000, Deduct	-104.45	
			For >1000, Deduct	-130.12	
26 56 19 00-0045	EA		2,722 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-G).....	708.02	194.57
			For Utility Label, Add	11.24	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	33.75	
			For 0 To 10 Volt Dimming, Add	67.48	
			For >50 To 100, Deduct	-35.40	
			For >100 To 250, Deduct	-53.10	
			For >250 To 500, Deduct	-78.77	
			For >500 To 1000, Deduct	-104.45	
			For >1000, Deduct	-130.12	
26 56 19 00-0046	EA		3,819 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	743.45	194.57
			For Utility Label, Add	11.24	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	33.75	
			For 0 To 10 Volt Dimming, Add	67.48	
			For >50 To 100, Deduct	-37.17	
			For >100 To 250, Deduct	-55.76	
			For >250 To 500, Deduct	-83.20	
			For >500 To 1000, Deduct	-110.65	
			For >1000, Deduct	-138.09	
26 56 19 00-0047	EA		4,109 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-A-O-X-X-C).....	743.45	194.57
			For Utility Label, Add	11.24	
			For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
			For Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	33.75	
			For 0 To 10 Volt Dimming, Add	67.48	
			For >50 To 100, Deduct	-37.17	
			For >100 To 250, Deduct	-55.76	
			For >250 To 500, Deduct	-83.20	
			For >500 To 1000, Deduct	-110.65	
			For >1000, Deduct	-138.09	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0048	EA	4,548 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	755.26	194.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Field Adjustable Output, Add	33.75	
		For Field Adjustable Output And Utility Label, Add	44.99	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For >50 To 100, Deduct	-37.76	
		For >100 To 250, Deduct	-56.64	
		For >250 To 500, Deduct	-84.68	
		For >500 To 1000, Deduct	-112.71	
		For >1000, Deduct	-140.75	
26 56 19 00-0049	EA	4,627 Lumens, 5700K, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® XSPR™ BXSPR-B-HT-XXX-A).....	755.26	194.57
		For 3 Or 7-Pin NEMA Photocell Receptacle, Add	22.49	
		For Field Adjustable Output, Add	33.75	
		For Field Adjustable Output And Utility Label, Add	44.99	
		For Field Adjustable Output, Utility Label And 3 Or 7-Pin NEMA Photocell Receptacle, Add	67.48	
		For 0 To 10 Volt Dimming, Add	67.48	
		For >50 To 100, Deduct	-37.76	
		For >100 To 250, Deduct	-56.64	
		For >250 To 500, Deduct	-84.68	
		For >500 To 1000, Deduct	-112.71	
		For >1000, Deduct	-140.75	
26 56 19 00-0050		Horizontal Tenon Mount, LED Cobra Head Street Lights (CREE® RSW™) <small>(26 56 19 00-0014)</small> Note: UL wet listed. Includes 120-277 voltage, die-cast extruded aluminum housing assembly and gray powder coat finish. Includes utility label and NEMA™ photocell receptacle. Excludes sensors.		
26 56 19 00-0051	EA	3,300 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-30K-UL-GY-N).....	731.65	194.57
		For Field Adjustable Output, Add	33.75	
		For Backlight Control Shield, Add	75.70	
		For Bird Spikes, Add	100.44	
		For >50 To 100, Deduct	-36.58	
		For >100 To 250, Deduct	-54.87	
		For >250 To 500, Deduct	-81.73	
		For >500 To 1000, Deduct	-108.58	
		For >1000, Deduct	-135.44	
26 56 19 00-0052	EA	3,300 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-XXX-30W-40K-UL-GY-N).....	731.65	194.57
		For Field Adjustable Output, Add	33.75	
		For Backlight Control Shield, Add	75.70	
		For Bird Spikes, Add	100.44	
		For >50 To 100, Deduct	-36.58	
		For >100 To 250, Deduct	-54.87	
		For >250 To 500, Deduct	-81.73	
		For >500 To 1000, Deduct	-108.58	
		For >1000, Deduct	-135.44	
26 56 19 00-0053	EA	5,000 Lumens, 3000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-30K-UL-GY-N).....	755.26	194.57
		For Field Adjustable Output, Add	33.75	
		For Backlight Control Shield, Add	75.70	
		For Bird Spikes, Add	100.44	
		For >50 To 100, Deduct	-37.76	
		For >100 To 250, Deduct	-56.64	
		For >250 To 500, Deduct	-84.68	
		For >500 To 1000, Deduct	-112.71	
		For >1000, Deduct	-140.75	
26 56 19 00-0054	EA	5,000 Lumens, 4000K CCT, Horizontal Tenon Mount, LED Cobra Head Street Light (CREE® RSW-HT-2ME-50W-40K-UL-GY-N).....	755.26	194.57
		For Field Adjustable Output, Add	33.75	
		For Backlight Control Shield, Add	75.70	
		For Bird Spikes, Add	100.44	
		For >50 To 100, Deduct	-37.76	
		For >100 To 250, Deduct	-56.64	
		For >250 To 500, Deduct	-84.68	
		For >500 To 1000, Deduct	-112.71	
		For >1000, Deduct	-140.75	
26 56 19 00-0055		LED Roadway Lighting (Cooper Lighting) <small>(26 56 19 00-0001)</small>		
26 56 19 00-0056		Horizontal Tenon Mount, LED Roadway Fixtures (Cooper Lighting Streetworks NVN™) <small>(26 56 19 00-0055)</small> Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.		
26 56 19 00-0057	EA	1 LED Light Square, 51 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,105.72	194.57
		For >50 To 100, Deduct	-55.29	
		For >100 To 250, Deduct	-82.93	
		For >250 To 500, Deduct	-128.49	
		For >500 To 1000, Deduct	-174.04	
		For >1000, Deduct	-219.60	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0058	EA		2 LED Light Squares, 103 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,488.23	216.19
			<i>For &gt;50 To 100, Deduct</i>	-74.41	
			<i>For &gt;100 To 250, Deduct</i>	-111.62	
			<i>For &gt;250 To 500, Deduct</i>	-175.22	
			<i>For &gt;500 To 1000, Deduct</i>	-238.82	
			<i>For &gt;1000, Deduct</i>	-302.42	
26 56 19 00-0059	EA		3 LED Light Squares, 154 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	1,600.03	248.62
			<i>For &gt;50 To 100, Deduct</i>	-80.00	
			<i>For &gt;100 To 250, Deduct</i>	-120.00	
			<i>For &gt;250 To 500, Deduct</i>	-187.57	
			<i>For &gt;500 To 1000, Deduct</i>	-255.14	
			<i>For &gt;1000, Deduct</i>	-322.71	
26 56 19 00-0060	EA		4 LED Light Squares, 206 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	2,358.74	270.23
			<i>For &gt;50 To 100, Deduct</i>	-117.94	
			<i>For &gt;100 To 250, Deduct</i>	-176.91	
			<i>For &gt;250 To 500, Deduct</i>	-281.33	
			<i>For &gt;500 To 1000, Deduct</i>	-385.76	
			<i>For &gt;1000, Deduct</i>	-490.18	
26 56 19 00-0061	EA		6 LED Light Squares, 309 Watt, Horizontal Tenon Mount, LED Roadway Fixture (Cooper Lighting Streetworks™ NVN-AA).....	3,083.31	307.66
			<i>For &gt;50 To 100, Deduct</i>	-154.17	
			<i>For &gt;100 To 250, Deduct</i>	-231.25	
			<i>For &gt;250 To 500, Deduct</i>	-370.03	
			<i>For &gt;500 To 1000, Deduct</i>	-508.81	
			<i>For &gt;1000, Deduct</i>	-647.60	

**26 56 19 00-0062 LED Roadway Lighting (PlanLED) (26 56 19 00-0001)**

**26 56 19 00-0063 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera HERA) (26 56 19 00-0062)**

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0064	EA		8,500 Lumens, 85 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 85W).....	1,319.03	189.17
			<i>For &gt;50 To 100, Deduct</i>	-65.95	
			<i>For &gt;100 To 250, Deduct</i>	-98.93	
			<i>For &gt;250 To 500, Deduct</i>	-155.42	
			<i>For &gt;500 To 1000, Deduct</i>	-211.91	
			<i>For &gt;1000, Deduct</i>	-268.41	
26 56 19 00-0065	EA		11,000 Lumens, 110 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 110W).....	1,431.57	191.24
			<i>For &gt;50 To 100, Deduct</i>	-71.58	
			<i>For &gt;100 To 250, Deduct</i>	-107.37	
			<i>For &gt;250 To 500, Deduct</i>	-169.38	
			<i>For &gt;500 To 1000, Deduct</i>	-231.40	
			<i>For &gt;1000, Deduct</i>	-293.42	
26 56 19 00-0066	EA		15,000 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera HERA 150W).....	1,520.59	194.57
			<i>For &gt;50 To 100, Deduct</i>	-76.03	
			<i>For &gt;100 To 250, Deduct</i>	-114.04	
			<i>For &gt;250 To 500, Deduct</i>	-180.35	
			<i>For &gt;500 To 1000, Deduct</i>	-246.65	
			<i>For &gt;1000, Deduct</i>	-312.95	

**26 56 19 00-0067 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera SETA) (26 56 19 00-0062)**

Note: UL wet listed. Includes 3,000K, 3,500K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

26 56 19 00-0068	EA		7,200 Lumens, 60 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET060).....	882.89	184.59
			<i>For &gt;50 To 100, Deduct</i>	-44.14	
			<i>For &gt;100 To 250, Deduct</i>	-66.22	
			<i>For &gt;250 To 500, Deduct</i>	-101.13	
			<i>For &gt;500 To 1000, Deduct</i>	-136.05	
			<i>For &gt;1000, Deduct</i>	-170.96	
26 56 19 00-0069	EA		10,000 Lumens, 80 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET080).....	943.72	187.92
			<i>For &gt;50 To 100, Deduct</i>	-47.19	
			<i>For &gt;100 To 250, Deduct</i>	-70.78	
			<i>For &gt;250 To 500, Deduct</i>	-108.57	
			<i>For &gt;500 To 1000, Deduct</i>	-146.36	
			<i>For &gt;1000, Deduct</i>	-184.15	
26 56 19 00-0070	EA		12,500 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera SETA SET100).....	1,039.25	191.24
			<i>For &gt;50 To 100, Deduct</i>	-51.96	
			<i>For &gt;100 To 250, Deduct</i>	-77.94	
			<i>For &gt;250 To 500, Deduct</i>	-120.34	
			<i>For &gt;500 To 1000, Deduct</i>	-162.74	
			<i>For &gt;1000, Deduct</i>	-205.14	

**26 56 19 00-0071 Horizontal Tenon Mount, LED Roadway Fixtures (PlanLED GigaTera META) (26 56 19 00-0062)**

Note: UL wet listed. Includes 3,000K, 4,000K or 5,000K color temperature, 120-277 voltage, integral 20kV surge suppression, die-cast extruded aluminum housing assembly and powder coat finish. Excludes sensors.

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0072	EA		13,000 Lumens, 100 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT100).....	1,102.11	191.24
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For 480 Volt, Add</i>	93.67	
			<i>For &gt;50 To 100, Deduct</i>	-55.11	
			<i>For &gt;100 To 250, Deduct</i>	-82.66	
			<i>For &gt;250 To 500, Deduct</i>	-128.20	
			<i>For &gt;500 To 1000, Deduct</i>	-173.74	
			<i>For &gt;1000, Deduct</i>	-219.29	
26 56 19 00-0073	EA		16,900 Lumens, 130 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT130).....	1,218.14	192.91
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For 480 Volt, Add</i>	28.30	
			<i>For &gt;50 To 100, Deduct</i>	-60.91	
			<i>For &gt;100 To 250, Deduct</i>	-91.36	
			<i>For &gt;250 To 500, Deduct</i>	-142.62	
			<i>For &gt;500 To 1000, Deduct</i>	-193.88	
			<i>For &gt;1000, Deduct</i>	-245.15	
26 56 19 00-0074	EA		19,500 Lumens, 150 Watt, Horizontal Tenon Mount, LED Roadway Fixture (PlanLED GigaTera META MT150).....	1,308.18	194.57
			<i>For 0 To 10 Volt Dimming, Add</i>	93.67	
			<i>For 480 Volt, Add</i>	117.02	
			<i>For &gt;50 To 100, Deduct</i>	-65.41	
			<i>For &gt;100 To 250, Deduct</i>	-98.11	
			<i>For &gt;250 To 500, Deduct</i>	-153.79	
			<i>For &gt;500 To 1000, Deduct</i>	-209.47	
			<i>For &gt;1000, Deduct</i>	-265.15	
26 56 19 00-0075			<b>LED Roadway Lighting (General Electric) (26 56 19 00-0001)</b>		
26 56 19 00-0076			<b>Horizontal Tenon Mount, LED Cobra Head Street Lights (General Electric)</b>		
			<small>(26 56 19 00-0075)</small> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or gray powder coat finish. Excludes sensors.		
26 56 19 00-0077	EA		2,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 02XX 40 A GRAY).....	684.10	183.77
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-34.21	
			<i>For &gt;100 To 250, Deduct</i>	-51.31	
			<i>For &gt;250 To 500, Deduct</i>	-76.32	
			<i>For &gt;500 To 1000, Deduct</i>	-101.34	
			<i>For &gt;1000, Deduct</i>	-126.36	
26 56 19 00-0078	EA		3,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 03XX 40 A GRAY).....	689.09	186.26
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-34.45	
			<i>For &gt;100 To 250, Deduct</i>	-51.68	
			<i>For &gt;250 To 500, Deduct</i>	-76.82	
			<i>For &gt;500 To 1000, Deduct</i>	-101.97	
			<i>For &gt;1000, Deduct</i>	-127.11	
26 56 19 00-0079	EA		4,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 04XX 40 A GRAY).....	716.82	189.17
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-35.84	
			<i>For &gt;100 To 250, Deduct</i>	-53.76	
			<i>For &gt;250 To 500, Deduct</i>	-80.14	
			<i>For &gt;500 To 1000, Deduct</i>	-106.53	
			<i>For &gt;1000, Deduct</i>	-132.91	
26 56 19 00-0080	EA		5,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 05XX 40 A GRAY).....	744.87	191.24
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-37.24	
			<i>For &gt;100 To 250, Deduct</i>	-55.87	
			<i>For &gt;250 To 500, Deduct</i>	-83.55	
			<i>For &gt;500 To 1000, Deduct</i>	-111.23	
			<i>For &gt;1000, Deduct</i>	-138.91	
26 56 19 00-0081	EA		7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 07XX 40 A GRAY).....	818.89	195.40
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-40.94	
			<i>For &gt;100 To 250, Deduct</i>	-61.42	
			<i>For &gt;250 To 500, Deduct</i>	-92.59	
			<i>For &gt;500 To 1000, Deduct</i>	-123.77	
			<i>For &gt;1000, Deduct</i>	-154.94	
26 56 19 00-0082	EA		8,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 08XX 40 A GRAY).....	858.06	197.07
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-42.90	
			<i>For &gt;100 To 250, Deduct</i>	-64.35	
			<i>For &gt;250 To 500, Deduct</i>	-97.40	
			<i>For &gt;500 To 1000, Deduct</i>	-130.45	
			<i>For &gt;1000, Deduct</i>	-163.50	
26 56 19 00-0083	EA		9,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL1 0 10XX 40 A GRAY).....	931.58	199.98
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-46.58	
			<i>For &gt;100 To 250, Deduct</i>	-69.87	
			<i>For &gt;250 To 500, Deduct</i>	-106.45	
			<i>For &gt;500 To 1000, Deduct</i>	-143.03	
			<i>For &gt;1000, Deduct</i>	-179.61	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 19 00-0084	EA		13,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERLH 0 13XX 40 A GRAY).....	1,087.74	205.38
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-54.39	
			<i>For &gt;100 To 250, Deduct</i>	-81.58	
			<i>For &gt;250 To 500, Deduct</i>	-125.70	
			<i>For &gt;500 To 1000, Deduct</i>	-169.82	
			<i>For &gt;1000, Deduct</i>	-213.93	
26 56 19 00-0085	EA		19,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (General Electric ERL2 0 19XX 40 A GRAY).....	1,268.64	216.19
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For &gt;50 To 100, Deduct</i>	-63.43	
			<i>For &gt;100 To 250, Deduct</i>	-95.15	
			<i>For &gt;250 To 500, Deduct</i>	-147.77	
			<i>For &gt;500 To 1000, Deduct</i>	-200.39	
			<i>For &gt;1000, Deduct</i>	-253.02	

**26 56 19 00-0086 LED Roadway Lighting (Acuity AEL Autobahn) (26 56 19 00-0001)**

**26 56 19 00-0087 Horizontal Tenon Mount, LED Cobra Head Street Lights (Acuity AEL Autobahn) (26 56 19 00-0086)**

Note: UL wet listed. Includes 4,000K or 5,000K color temperature, 120-480 voltage, integral 10kV surge suppression, 0-10V dimming, die-cast extruded aluminum housing assembly and white, black, gray, graphite or bronze powder coat finish. Excludes sensors.

26 56 19 00-0088	EA		4,200 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 20ALEDE70).....	1,280.08	189.17
			<i>For &gt;50 To 100, Deduct</i>	-64.00	
			<i>For &gt;100 To 250, Deduct</i>	-96.01	
			<i>For &gt;250 To 500, Deduct</i>	-150.55	
			<i>For &gt;500 To 1000, Deduct</i>	-205.10	
			<i>For &gt;1000, Deduct</i>	-259.64	
26 56 19 00-0089	EA		6,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB0 30BLEDE70).....	1,580.07	194.57
			<i>For &gt;50 To 100, Deduct</i>	-79.00	
			<i>For &gt;100 To 250, Deduct</i>	-118.51	
			<i>For &gt;250 To 500, Deduct</i>	-187.78	
			<i>For &gt;500 To 1000, Deduct</i>	-257.05	
			<i>For &gt;1000, Deduct</i>	-326.33	
26 56 19 00-0090	EA		9,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 40BLEDE70).....	2,186.48	199.98
			<i>For &gt;50 To 100, Deduct</i>	-109.32	
			<i>For &gt;100 To 250, Deduct</i>	-163.99	
			<i>For &gt;250 To 500, Deduct</i>	-263.31	
			<i>For &gt;500 To 1000, Deduct</i>	-362.64	
			<i>For &gt;1000, Deduct</i>	-461.96	
26 56 19 00-0091	EA		13,500 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 60BLEDE70).....	2,797.73	207.88
			<i>For &gt;50 To 100, Deduct</i>	-139.89	
			<i>For &gt;100 To 250, Deduct</i>	-209.83	
			<i>For &gt;250 To 500, Deduct</i>	-339.32	
			<i>For &gt;500 To 1000, Deduct</i>	-468.81	
			<i>For &gt;1000, Deduct</i>	-598.31	
26 56 19 00-0092	EA		17,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Acuity AEL Autobahn ATB2 80BLEDE70).....	3,394.65	213.70
			<i>For &gt;50 To 100, Deduct</i>	-169.73	
			<i>For &gt;100 To 250, Deduct</i>	-254.60	
			<i>For &gt;250 To 500, Deduct</i>	-413.65	
			<i>For &gt;500 To 1000, Deduct</i>	-572.69	
			<i>For &gt;1000, Deduct</i>	-731.74	

**26 56 19 00-0093 LED Roadway Lighting (Leotek) (26 56 19 00-0001)**

**26 56 19 00-0094 Horizontal Tenon Mount, LED Cobra Head Street Lights (Leotek) (26 56 19 00-0093)**

Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, integral surge protector, die-cast and extruded aluminum housing assembly and gray powder coat finish. Excludes sensors.

26 56 19 00-0095	EA		Up To 3,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-XXX-WL).....	700.29	189.17
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.96	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.87	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	53.44	
			<i>For &gt;50 To 100, Deduct</i>	-35.01	
			<i>For &gt;100 To 250, Deduct</i>	-52.52	
			<i>For &gt;250 To 500, Deduct</i>	-78.08	
			<i>For &gt;500 To 1000, Deduct</i>	-103.63	
			<i>For &gt;1000, Deduct</i>	-129.19	
26 56 19 00-0096	EA		Up To 5,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-4M2-MV-NW-X-GY-1AMP-WL).....	714.90	191.24
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.96	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.87	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	53.44	
			<i>For &gt;50 To 100, Deduct</i>	-35.75	
			<i>For &gt;100 To 250, Deduct</i>	-53.62	
			<i>For &gt;250 To 500, Deduct</i>	-79.80	
			<i>For &gt;500 To 1000, Deduct</i>	-105.98	
			<i>For &gt;1000, Deduct</i>	-132.17	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0097	EA Up To 9,950 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC1-6M2-MV-NW-X-GY-XXX-WL).....	759.22	192.49
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-37.96	
	For >100 To 250, Deduct	-56.94	
	For >250 To 500, Deduct	-85.28	
	For >500 To 1000, Deduct	-113.61	
	For >1000, Deduct	-141.95	
26 56 19 00-0098	EA Up To 9,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC3-10M2-MV-NW-X-GY-XXX-WL).....	874.54	199.98
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-43.73	
	For >100 To 250, Deduct	-65.59	
	For >250 To 500, Deduct	-99.32	
	For >500 To 1000, Deduct	-133.05	
	For >1000, Deduct	-166.77	
26 56 19 00-0099	EA Up To 11,450 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-12M2-MV-NW-X-GY-XXX-WL).....	1,014.97	205.38
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-50.75	
	For >100 To 250, Deduct	-76.12	
	For >250 To 500, Deduct	-116.60	
	For >500 To 1000, Deduct	-157.08	
	For >1000, Deduct	-197.56	
26 56 19 00-0100	EA Up To 14,550 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC4-15M2-MV-NW-X-GY-XXX-WL).....	1,021.61	208.71
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-51.08	
	For >100 To 250, Deduct	-76.62	
	For >250 To 500, Deduct	-117.27	
	For >500 To 1000, Deduct	-157.91	
	For >1000, Deduct	-198.56	
26 56 19 00-0101	EA Up To 16,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-18M2-MV-NW-X-GY-XXX-WL).....	1,239.43	212.03
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-61.97	
	For >100 To 250, Deduct	-92.96	
	For >250 To 500, Deduct	-144.33	
	For >500 To 1000, Deduct	-195.70	
	For >1000, Deduct	-247.07	
26 56 19 00-0102	EA Up To 18,750 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-20M2-MV-NW-X-GY-XXX-WL).....	1,297.91	216.19
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-64.90	
	For >100 To 250, Deduct	-97.34	
	For >250 To 500, Deduct	-151.43	
	For >500 To 1000, Deduct	-205.52	
	For >1000, Deduct	-259.60	
26 56 19 00-0103	EA Up To 22,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC7-24M2-MV-NW-X-GY-XXX-WL).....	1,442.54	219.51
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-72.13	
	For >100 To 250, Deduct	-108.19	
	For >250 To 500, Deduct	-169.34	
	For >500 To 1000, Deduct	-230.49	
	For >1000, Deduct	-291.64	
26 56 19 00-0104	EA Up To 29,150 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® EC9-30M2-MV-NW-X-GY-XXX-WL).....	1,543.28	222.84
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-77.16	
	For >100 To 250, Deduct	-115.75	
	For >250 To 500, Deduct	-181.77	
	For >500 To 1000, Deduct	-247.79	
	For >1000, Deduct	-313.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0105	EA		Up To 4,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-20F-MV-NW-X-GY-XXX-WL) .....	802.71	191.24
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.96	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
			For >50 To 100, Deduct	-40.14	
			For >100 To 250, Deduct	-60.20	
			For >250 To 500, Deduct	-90.78	
			For >500 To 1000, Deduct	-121.35	
			For >1000, Deduct	-151.92	
26 56 19 00-0106	EA		Up To 7,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-30F-MV-NW-X-GY-XXX-WL) .....	877.50	196.23
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.96	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
			For >50 To 100, Deduct	-43.88	
			For >100 To 250, Deduct	-65.81	
			For >250 To 500, Deduct	-99.88	
			For >500 To 1000, Deduct	-133.94	
			For >1000, Deduct	-168.00	
26 56 19 00-0107	EA		Up To 9,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-XXX-WL) .....	943.53	199.98
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.96	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
			For >50 To 100, Deduct	-47.18	
			For >100 To 250, Deduct	-70.76	
			For >250 To 500, Deduct	-107.94	
			For >500 To 1000, Deduct	-145.12	
			For >1000, Deduct	-182.30	
26 56 19 00-0108	EA		Up To 12,300 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-40F-MV-NW-X-GY-1AMP-WL) .....	1,000.76	204.55
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.96	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
			For >50 To 100, Deduct	-50.04	
			For >100 To 250, Deduct	-75.06	
			For >250 To 500, Deduct	-114.87	
			For >500 To 1000, Deduct	-154.68	
			For >1000, Deduct	-194.49	
26 56 19 00-0109	EA		Up To 13,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-60F-MV-NW-X-GY-XXX-WL) .....	1,058.43	206.21
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.96	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
			For >50 To 100, Deduct	-52.92	
			For >100 To 250, Deduct	-79.38	
			For >250 To 500, Deduct	-121.99	
			For >500 To 1000, Deduct	-164.60	
			For >1000, Deduct	-207.22	
26 56 19 00-0110	EA		Up To 17,700 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC1-80F-MV-NW-X-GY-XXX-WL) .....	1,251.11	213.70
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.96	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
			For >50 To 100, Deduct	-62.56	
			For >100 To 250, Deduct	-93.83	
			For >250 To 500, Deduct	-145.70	
			For >500 To 1000, Deduct	-197.57	
			For >1000, Deduct	-249.45	
26 56 19 00-0111	EA		Up To 19,800 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-90F-MV-NW-X-GY-XXX-WL) .....	1,407.86	217.86
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.96	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
			For >50 To 100, Deduct	-70.39	
			For >100 To 250, Deduct	-105.59	
			For >250 To 500, Deduct	-165.09	
			For >500 To 1000, Deduct	-224.59	
			For >1000, Deduct	-284.09	
26 56 19 00-0112	EA		Up To 22,000 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-100F-MV-NW-X-GY-XXX-WL) .....	1,493.15	218.69
			For LightGrid™ Wireless Outdoor Controller, Add	20.00	
			For Twist Lock Shorting Cap, Add	9.96	
			For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
			For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
			For >50 To 100, Deduct	-74.66	
			For >100 To 250, Deduct	-111.99	
			For >250 To 500, Deduct	-175.71	
			For >500 To 1000, Deduct	-239.43	
			For >1000, Deduct	-303.16	



**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
26 56 19 00-0113	EA Up To 26,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek GC2-120F-MV-NW-X-GY-XXX-WL).....	1,575.50	221.18
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-78.78	
	For >100 To 250, Deduct	-118.16	
	For >250 To 500, Deduct	-185.88	
	For >500 To 1000, Deduct	-253.59	
	For >1000, Deduct	-321.31	
26 56 19 00-0114	EA Up To 11,720 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-30H-MV-NW-X-GY-1AMP).....	862.72	208.71
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-43.14	
	For >100 To 250, Deduct	-64.70	
	For >250 To 500, Deduct	-97.40	
	For >500 To 1000, Deduct	-130.11	
	For >1000, Deduct	-162.81	
26 56 19 00-0115	EA Up To 15,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCM2-40H-MV-NW-X-GY-1AMP).....	929.60	210.79
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-46.48	
	For >100 To 250, Deduct	-69.72	
	For >250 To 500, Deduct	-105.66	
	For >500 To 1000, Deduct	-141.60	
	For >1000, Deduct	-177.54	
26 56 19 00-0116	EA Up To 4,180 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ0-15H-MV-NW-X-GY-XXX-WL).....	672.26	190.83
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-33.61	
	For >100 To 250, Deduct	-50.42	
	For >250 To 500, Deduct	-74.49	
	For >500 To 1000, Deduct	-98.56	
	For >1000, Deduct	-122.63	
26 56 19 00-0117	EA Up To 5,510 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ1-20H-MV-NW-X-GY-XXX-WL).....	683.95	192.49
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-34.20	
	For >100 To 250, Deduct	-51.30	
	For >250 To 500, Deduct	-75.87	
	For >500 To 1000, Deduct	-100.44	
	For >1000, Deduct	-125.01	
26 56 19 00-0118	EA Up To 7,430 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCJ2-20H-MV-NW-X-GY-1AMP-WL).....	739.52	196.23
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-36.98	
	For >100 To 250, Deduct	-55.46	
	For >250 To 500, Deduct	-82.63	
	For >500 To 1000, Deduct	-109.79	
	For >1000, Deduct	-136.96	
26 56 19 00-0119	EA Up To 16,400 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-60G-MV-NW-X-GY-XXX-WL).....	1,111.90	212.03
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-55.60	
	For >100 To 250, Deduct	-83.39	
	For >250 To 500, Deduct	-128.39	
	For >500 To 1000, Deduct	-173.38	
	For >1000, Deduct	-218.37	
26 56 19 00-0120	EA Up To 22,100 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL1-80G-MV-NW-X-GY-XXX-WL).....	1,434.61	218.69
	For LightGrid™ Wireless Outdoor Controller, Add	20.00	
	For Twist Lock Shorting Cap, Add	9.96	
	For ANSI 7-wire Photocontrol Receptacle, Add	29.87	
	For Ripley Long-Life Twist Lock Photocontrol, Add	53.44	
	For >50 To 100, Deduct	-71.73	
	For >100 To 250, Deduct	-107.60	
	For >250 To 500, Deduct	-168.39	
	For >500 To 1000, Deduct	-229.19	
	For >1000, Deduct	-289.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0121	EA		Up To 22,900 Lumens, Horizontal Tenon Mount, LED Cobra Head Street Light (Leotek® GCL2-60G-MV-NW-X-GY-1AMP-WL).....	1,285.75	219.51
			<i>For LightGrid™ Wireless Outdoor Controller, Add</i>	20.00	
			<i>For Twist Lock Shorting Cap, Add</i>	9.96	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.87	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	53.44	
			<i>For &gt;50 To 100, Deduct</i>	-64.29	
			<i>For &gt;100 To 250, Deduct</i>	-96.43	
			<i>For &gt;250 To 500, Deduct</i>	-149.74	
			<i>For &gt;500 To 1000, Deduct</i>	-203.05	
			<i>For &gt;1000, Deduct</i>	-256.37	
26 56 19 00-0122	EA		Up To 5,484 Lumens, Horizontal Tenon Mount, LED Security Light (Leotek® SafeGuard™ SG1-01-MV-NW-5-GY).....	648.00	191.24
			<i>For Twist Lock Shorting Cap, Add</i>	9.96	
			<i>For ANSI 7-wire Photocontrol Receptacle, Add</i>	29.87	
			<i>For Ripley Long-Life Twist Lock Photocontrol, Add</i>	53.44	
			<i>For &gt;50 To 100, Deduct</i>	-32.40	
			<i>For &gt;100 To 250, Deduct</i>	-48.60	
			<i>For &gt;250 To 500, Deduct</i>	-71.44	
			<i>For &gt;500 To 1000, Deduct</i>	-94.28	
			<i>For &gt;1000, Deduct</i>	-117.11	
26 56 19 00-0123			<b>LED, Wall Packs</b> <small>(26 56 19)</small>		
26 56 19 00-0124			<b>Full Cutoff, LED Wall Packs</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0125			<b>Full Cutoff, LED Wall Packs (Lithonia)</b> <small>(26 56 19 00-0124)</small>		
26 56 19 00-0126	EA		30 LEDs, 57 Watt, 530 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....	1,037.94	145.51
			<i>For &gt;50 To 100, Deduct</i>	-51.90	
			<i>For &gt;100 To 250, Deduct</i>	-77.85	
			<i>For &gt;250 To 500, Deduct</i>	-122.47	
			<i>For &gt;500 To 1000, Deduct</i>	-167.09	
			<i>For &gt;1000, Deduct</i>	-211.71	
26 56 19 00-0127	EA		30 LEDs, 35 Watt, 350 mA Drive Current, Full Cutoff, LED Wall Pack (Lithonia CSXW LED) .....	1,119.02	145.51
			<i>For &gt;50 To 100, Deduct</i>	-55.95	
			<i>For &gt;100 To 250, Deduct</i>	-83.93	
			<i>For &gt;250 To 500, Deduct</i>	-132.60	
			<i>For &gt;500 To 1000, Deduct</i>	-181.28	
			<i>For &gt;1000, Deduct</i>	-229.95	
26 56 19 00-0128			<b>Full Cutoff, LED Wall Packs (CREE® BetaLED®)</b> <small>(26 56 19 00-0124)</small>		
26 56 19 00-0129			<b>Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® Edge® SEC-EDG)</b> <small>(26 56 19 00-0128)</small>		
			Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0130	EA		20 LEDs, 26 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) .....	1,097.60	141.36
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Bird Spikes, Add</i>	56.65	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-54.88	
			<i>For &gt;100 To 250, Deduct</i>	-82.32	
			<i>For &gt;250 To 500, Deduct</i>	-130.13	
			<i>For &gt;500 To 1000, Deduct</i>	-177.94	
			<i>For &gt;1000, Deduct</i>	-225.76	
26 56 19 00-0131	EA		40 LEDs, 47 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) .....	1,409.48	149.67
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Bird Spikes, Add</i>	57.48	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-70.47	
			<i>For &gt;100 To 250, Deduct</i>	-105.71	
			<i>For &gt;250 To 500, Deduct</i>	-168.70	
			<i>For &gt;500 To 1000, Deduct</i>	-231.69	
			<i>For &gt;1000, Deduct</i>	-294.68	
26 56 19 00-0132	EA		60 LEDs, 68 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) .....	1,578.62	157.99
			Note: Includes 350mA or 525mA driver.		
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Bird Spikes, Add</i>	58.31	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For &gt;50 To 100, Deduct</i>	-78.93	
			<i>For &gt;100 To 250, Deduct</i>	-118.40	
			<i>For &gt;250 To 500, Deduct</i>	-189.43	
			<i>For &gt;500 To 1000, Deduct</i>	-260.46	
			<i>For &gt;1000, Deduct</i>	-331.49	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0133	EA	80 LEDs, 90 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... Note: Includes 350mA or 525mA driver. For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	2,033.25	166.30
26 56 19 00-0134	EA	100 LEDs, 111 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	2,345.13	174.61
26 56 19 00-0135	EA	120 LEDs, 132 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® Edge® SEC-EDG) ..... For 3 Or 7-Pin NEMA Photocell Receptacle, Add For Bird Spikes, Add For Fuse, Add For 0 To 10 Volt Dimming, Add For 480 Volt, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	2,657.02	182.93
26 56 19 00-0136		<b>Wall Mount, Full Cutoff, LED Wall Packs (CREE® BetaLED® XSPW™)</b> <sup>(26 56 19 00-0128)</sup> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120-277 voltage, Class 2 driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0137	EA	25 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) ..... For 3 Or 7-Pin NEMA Photocell Receptacle, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	659.16	141.36
26 56 19 00-0138	EA	42 Watt, Wall Mount, Full Cutoff, LED Wall Pack (CREE® BetaLED® XSPW™) ..... For 3 Or 7-Pin NEMA Photocell Receptacle, Add For 0 To 10 Volt Dimming, Add For Multi-Level, Add For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	763.62	149.67
26 56 19 00-0139		<b>Full Cutoff, LED Wall Packs (McGraw-Edison)</b> <sup>(26 56 19 00-0124)</sup>		
26 56 19 00-0140	EA	One 7 LED Light Bar, 27 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,366.62	141.36
26 56 19 00-0141	EA	Two 7 LED Light Bars, 54 System Watts, 1 A Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,691.00	149.67
26 56 19 00-0142	EA	One 21 LED Light Bar, 27 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,382.46	141.36
26 56 19 00-0143	EA	Two 21 LED Light Bars, 51 System Watts, 350 mA Drive Current, Full Cutoff, LED Wall Pack (McGraw-Edison IST).....	1,835.82	149.67
26 56 19 00-0144		<b>Open Face LED Wall Pack</b> <sup>(26 56 19 00-0123)</sup> Note: Heavy-duty cast aluminum housing is polyester powder coated to be rust and corrosion proof, High-quality shatter-resistant glass		
26 56 19 00-0145	EA	3,640 Lumens, 28 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP28U-50B-MS)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	854.19	154.14
26 56 19 00-0146	EA	5,540 Lumens, 40 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP40U-50B-MS)..... For >50 To 100, Deduct For >100 To 250, Deduct For >250 To 500, Deduct For >500 To 1000, Deduct For >1000, Deduct	912.14	154.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0147	EA		7,065 Lumens, 50 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP50U-50B-MS).....	942.50	154.14
			<i>For &gt;50 To 100, Deduct</i>	-47.13	
			<i>For &gt;100 To 250, Deduct</i>	-70.69	
			<i>For &gt;250 To 500, Deduct</i>	-106.25	
			<i>For &gt;500 To 1000, Deduct</i>	-141.82	
			<i>For &gt;1000, Deduct</i>	-177.38	
26 56 19 00-0148	EA		11,375 Lumens, 80 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP80U-50B-MS).....	967.12	154.14
			<i>For &gt;50 To 100, Deduct</i>	-48.36	
			<i>For &gt;100 To 250, Deduct</i>	-72.53	
			<i>For &gt;250 To 500, Deduct</i>	-109.33	
			<i>For &gt;500 To 1000, Deduct</i>	-146.12	
			<i>For &gt;1000, Deduct</i>	-182.92	
26 56 19 00-0149	EA		16,945 Lumens, 120 Watt, Open Face LED Wall Pack, With Motion Sensor (Maxlite WP-OP120U-50B-MS).....	1,151.75	154.14
			<i>For &gt;50 To 100, Deduct</i>	-57.59	
			<i>For &gt;100 To 250, Deduct</i>	-86.38	
			<i>For &gt;250 To 500, Deduct</i>	-132.41	
			<i>For &gt;500 To 1000, Deduct</i>	-178.43	
			<i>For &gt;1000, Deduct</i>	-224.46	
<b>26 56 19 00-0150</b>			<b>Wall Pack Accessories</b> <small>(26 56 19 00-0123)</small>		
26 56 19 00-0151	EA		Photocell For Wall Pack.....	156.82	38.54
26 56 19 00-0152	EA		Wire Guard For Mini And Small Wall Pack.....	173.49	38.54
26 56 19 00-0153	EA		Wire Guard For Medium And Large Wall Pack.....	243.20	38.54
26 56 19 00-0154	EA		Clear Polycarbonate Vandal Guard For Wall Packs.....	343.81	38.54
26 56 19 00-0155	EA		Full Cutoff Visor For Wall Pack.....	168.94	38.54
<b>26 56 19 00-0156</b>			<b>LED, Area Lighting</b> <small>(26 56 19)</small>		
26 56 19 00-0157	EA		"The Edge" LED Area Lighting (Beta BLD ARE).....	2,983.93	192.68
			<i>For &gt;50 To 100, Deduct</i>	-149.20	
			<i>For &gt;100 To 250, Deduct</i>	-223.79	
			<i>For &gt;250 To 500, Deduct</i>	-363.36	
			<i>For &gt;500 To 1000, Deduct</i>	-502.92	
			<i>For &gt;1000, Deduct</i>	-642.48	
26 56 19 00-0158	EA		"Franklin Square" LED Area Lighting (Spring City ALMFKS-LE099EV1/XF-YS19-FAH-CT-M2 CB).....	6,573.84	192.68
			<i>For &gt;3 To 5, Deduct</i>	-79.19	
			<i>For &gt;5 To 10, Deduct</i>	-201.38	
			<i>For &gt;10, Deduct</i>	-457.05	
			<i>For &gt;50 To 100, Deduct</i>	-328.69	
			<i>For &gt;100 To 250, Deduct</i>	-493.04	
			<i>For &gt;250 To 500, Deduct</i>	-812.10	
			<i>For &gt;500 To 1000, Deduct</i>	-1,131.15	
			<i>For &gt;1000, Deduct</i>	-1,450.21	
26 56 19 00-0159	EA		12" "Wellington" Pole (Spring City APSWLG 10 12 S4 TN2.88/3.00-323/1NW-CB).....	3,048.56	192.68
			<i>For &gt;3 To 5, Deduct</i>	-268.80	
			<i>For &gt;5 To 10, Deduct</i>	-635.80	
			<i>For &gt;10, Deduct</i>	-848.51	
			<i>For &gt;50 To 100, Deduct</i>	-152.43	
			<i>For &gt;100 To 250, Deduct</i>	-228.64	
			<i>For &gt;250 To 500, Deduct</i>	-371.44	
			<i>For &gt;500 To 1000, Deduct</i>	-514.23	
			<i>For &gt;1000, Deduct</i>	-657.02	
<b>26 56 19 00-0160</b>			<b>LED, Area Fixtures</b> <small>(26 56 19)</small>		
<b>26 56 19 00-0161</b>			<b>Pole Mount, LED Area Fixtures</b> <small>(26 56 19 00-0160)</small>		
<b>26 56 19 00-0162</b>			<b>Pole Mount, Rectangular, LED Architectural Area Fixtures (Lithonia DSX)</b> <small>(26 56 19 00-0161)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 480 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0163	EA		20 LEDs, 49 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,542.01	141.36
			<i>For &gt;50 To 100, Deduct</i>	-127.10	
			<i>For &gt;100 To 250, Deduct</i>	-190.65	
			<i>For &gt;250 To 500, Deduct</i>	-310.68	
			<i>For &gt;500 To 1000, Deduct</i>	-430.72	
			<i>For &gt;1000, Deduct</i>	-550.75	
26 56 19 00-0164	EA		40 LEDs, 89 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSXO LED).....	2,739.39	149.67
			<i>For &gt;50 To 100, Deduct</i>	-136.97	
			<i>For &gt;100 To 250, Deduct</i>	-205.45	
			<i>For &gt;250 To 500, Deduct</i>	-334.94	
			<i>For &gt;500 To 1000, Deduct</i>	-464.43	
			<i>For &gt;1000, Deduct</i>	-593.91	
26 56 19 00-0165	EA		80 LEDs, 188 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,953.39	166.30
			<i>For &gt;50 To 100, Deduct</i>	-147.67	
			<i>For &gt;100 To 250, Deduct</i>	-221.50	
			<i>For &gt;250 To 500, Deduct</i>	-360.86	
			<i>For &gt;500 To 1000, Deduct</i>	-500.21	
			<i>For &gt;1000, Deduct</i>	-639.57	
26 56 19 00-0166	EA		100 LEDs, 218 Watt, Pole Mount, LED Architectural Area Fixture (Lithonia DSX2 LED).....	2,970.02	174.61
			<i>For &gt;50 To 100, Deduct</i>	-148.50	
			<i>For &gt;100 To 250, Deduct</i>	-222.75	
			<i>For &gt;250 To 500, Deduct</i>	-362.52	
			<i>For &gt;500 To 1000, Deduct</i>	-502.29	
			<i>For &gt;1000, Deduct</i>	-642.06	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0167	Arm Mount, Rectangular, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDG) <sup>(26 56 19 00-0161)</sup> Note: UL wet listed. Includes 4,000K or 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type III Medium optic. Excludes sensors. All fixtures without the backlight control shield are DLC qualified		
26 56 19 00-0168	EA 40 LEDs, 47 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,466.62	149.67
	For Backlight Shielding, Add	26.70	
	For Type II Medium Optic, Add	47.03	
	For 480 Volt, Add	110.03	
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-73.33	
	For >100 To 250, Deduct	-110.00	
	For >250 To 500, Deduct	-175.84	
	For >500 To 1000, Deduct	-241.69	
	For >1000, Deduct	-307.54	
26 56 19 00-0169	EA 60 LEDs, 68 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	1,763.63	157.99
	For Backlight Shielding, Add	26.70	
	For Type II Medium Optic, Add	47.86	
	For 480 Volt, Add	110.03	
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-88.18	
	For >100 To 250, Deduct	-132.27	
	For >250 To 500, Deduct	-212.55	
	For >500 To 1000, Deduct	-292.84	
	For >1000, Deduct	-373.12	
26 56 19 00-0170	EA 80 LEDs, 90 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,173.17	166.30
	For Backlight Shielding, Add	26.70	
	For Type II Medium Optic, Add	48.69	
	For 480 Volt, Add	110.03	
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-108.66	
	For >100 To 250, Deduct	-162.99	
	For >250 To 500, Deduct	-263.33	
	For >500 To 1000, Deduct	-363.67	
	For >1000, Deduct	-464.02	
26 56 19 00-0171	EA 100 LEDs, 111 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,470.18	174.61
	For Backlight Shielding, Add	26.70	
	For Type II Medium Optic, Add	49.52	
	For 480 Volt, Add	110.03	
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-123.51	
	For >100 To 250, Deduct	-185.26	
	For >250 To 500, Deduct	-300.04	
	For >500 To 1000, Deduct	-414.82	
	For >1000, Deduct	-529.60	
26 56 19 00-0172	EA 120 LEDs, 132 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	2,767.18	182.93
	For Backlight Shielding, Add	26.70	
	For Type II Medium Optic, Add	50.35	
	For 480 Volt, Add	110.03	
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-138.36	
	For >100 To 250, Deduct	-207.54	
	For >250 To 500, Deduct	-336.75	
	For >500 To 1000, Deduct	-465.96	
	For >1000, Deduct	-595.18	
26 56 19 00-0173	EA 140 LEDs, 157 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	3,153.83	191.24
	For Backlight Shielding, Add	26.70	
	For Type II Medium Optic, Add	51.18	
	For 480 Volt, Add	110.03	
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-157.69	
	For >100 To 250, Deduct	-236.54	
	For >250 To 500, Deduct	-384.67	
	For >500 To 1000, Deduct	-532.80	
	For >1000, Deduct	-680.93	
26 56 19 00-0174	EA 160 LEDs, 179 Watt, Arm Mount, Rectangular, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDG) .....	3,450.84	199.56
	For Backlight Shielding, Add	26.70	
	For Type II Medium Optic, Add	52.02	
	For 480 Volt, Add	110.03	
	For Multi-Level Drive Currents, Add	267.03	
	For >50 To 100, Deduct	-172.54	
	For >100 To 250, Deduct	-258.81	
	For >250 To 500, Deduct	-421.38	
	For >500 To 1000, Deduct	-583.94	
	For >1000, Deduct	-746.51	

26 56 19 00-0175	Direct Or Arm Mount, Rectangular, High Output, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EHO) <sup>(26 56 19 00-0161)</sup> Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 700mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0176	EA		120 LEDs, 267 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	2,560.16	182.93
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For Bird Spikes, Add</i>	53.73	
			<i>For 5,000K Color Temperature, Add</i>	56.24	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For 480 Volt, Add</i>	101.23	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For 1,000mA Driver, Add</i>	188.98	
			<i>For &gt;50 To 100, Deduct</i>	-128.01	
			<i>For &gt;100 To 250, Deduct</i>	-192.01	
			<i>For &gt;250 To 500, Deduct</i>	-310.87	
			<i>For &gt;500 To 1000, Deduct</i>	-429.74	
			<i>For &gt;1000, Deduct</i>	-548.60	
26 56 19 00-0177	EA		240 LEDs, 533 System Watts, Direct Or Arm Mount, Rectangular, High Output, LED Area Fixture (CREE® BetaLED® Edge® ARE-EHO).....	4,296.73	224.50
			<i>For 3 Or 7-Pin NEMA Photocell Receptacle, Add</i>	22.49	
			<i>For 5,000K Color Temperature, Add</i>	56.24	
			<i>For Fuse, Add</i>	67.48	
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For Bird Spikes, Add</i>	79.15	
			<i>For Multi-Level, Add</i>	146.21	
			<i>For 1,000mA Driver, Add</i>	188.96	
			<i>For 480 Volt, Add</i>	202.45	
			<i>For &gt;50 To 100, Deduct</i>	-214.84	
			<i>For &gt;100 To 250, Deduct</i>	-322.25	
			<i>For &gt;250 To 500, Deduct</i>	-525.87	
			<i>For &gt;500 To 1000, Deduct</i>	-729.48	
			<i>For &gt;1000, Deduct</i>	-933.09	
26 56 19 00-0178			<b>Wall Mount, LED Area Fixtures</b> (26 56 19 00-0160)		
26 56 19 00-0179			<b>Wall Mount, LED Architectural Area Fixtures (Lithonia DSXW)</b> (26 56 19 00-0178) Note: UL wet listed. Includes 277 voltage, 700mA remote driver, die-cast extruded aluminum housing assembly and white, black, aluminum or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0180	EA		20 LEDs, 47 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	1,152.09	141.36
			<i>For &gt;50 To 100, Deduct</i>	-57.60	
			<i>For &gt;100 To 250, Deduct</i>	-86.41	
			<i>For &gt;250 To 500, Deduct</i>	-136.94	
			<i>For &gt;500 To 1000, Deduct</i>	-187.48	
			<i>For &gt;1000, Deduct</i>	-238.02	
26 56 19 00-0181	EA		30 LEDs, 71 Watt, 4000K CCT, Wall Mount, LED Architectural Area Fixture (Lithonia DSXW2 LED).....	1,185.35	157.99
			<i>For &gt;50 To 100, Deduct</i>	-59.27	
			<i>For &gt;100 To 250, Deduct</i>	-88.90	
			<i>For &gt;250 To 500, Deduct</i>	-140.27	
			<i>For &gt;500 To 1000, Deduct</i>	-191.64	
			<i>For &gt;1000, Deduct</i>	-243.01	
26 56 19 00-0182			<b>Surface Mount, LED Parking Structure Fixtures</b> (26 56 19 00-0160)		
26 56 19 00-0183			<b>Surface Mount, Rectangular, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-EDG)</b> (26 56 19 00-0182) Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0184	EA		40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,298.78	149.67
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-64.94	
			<i>For &gt;100 To 250, Deduct</i>	-97.41	
			<i>For &gt;250 To 500, Deduct</i>	-154.86	
			<i>For &gt;500 To 1000, Deduct</i>	-212.32	
			<i>For &gt;1000, Deduct</i>	-269.78	
26 56 19 00-0185	EA		60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,595.79	157.99
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-79.79	
			<i>For &gt;100 To 250, Deduct</i>	-119.68	
			<i>For &gt;250 To 500, Deduct</i>	-191.57	
			<i>For &gt;500 To 1000, Deduct</i>	-263.46	
			<i>For &gt;1000, Deduct</i>	-335.36	
26 56 19 00-0186	EA		80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	1,892.79	166.30
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-94.64	
			<i>For &gt;100 To 250, Deduct</i>	-141.96	
			<i>For &gt;250 To 500, Deduct</i>	-228.28	
			<i>For &gt;500 To 1000, Deduct</i>	-314.61	
			<i>For &gt;1000, Deduct</i>	-400.93	
26 56 19 00-0187	EA		100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-EDG).....	2,189.80	174.61
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-109.49	
			<i>For &gt;100 To 250, Deduct</i>	-164.24	
			<i>For &gt;250 To 500, Deduct</i>	-264.99	
			<i>For &gt;500 To 1000, Deduct</i>	-365.75	
			<i>For &gt;1000, Deduct</i>	-466.51	

**26 Electrical**

**26 50 Lighting**

**26 56 Exterior Lighting**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
26 56 19 00-0188		<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® Edge® PKG-304)</b> <small>(26 56 19 00-0182)</small>			
		Note: Direct or pendant mount. UL wet listed. Includes 5,700K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0189	EA	40 LEDs, 47 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,253.00		149.67
		<i>For Multi-Level Drive Currents, Add</i>	267.03		
		<i>For &gt;50 To 100, Deduct</i>	-62.65		
		<i>For &gt;100 To 250, Deduct</i>	-93.98		
		<i>For &gt;250 To 500, Deduct</i>	-149.14		
		<i>For &gt;500 To 1000, Deduct</i>	-204.31		
		<i>For &gt;1000, Deduct</i>	-259.47		
26 56 19 00-0190	EA	60 LEDs, 68 Watt, Surface Mount, Square, LED Parking Structure Fixture (CREE® BetaLED® Edge® PKG-304).....	1,382.16		157.99
		<i>For Multi-Level Drive Currents, Add</i>	267.03		
		<i>For &gt;50 To 100, Deduct</i>	-69.11		
		<i>For &gt;100 To 250, Deduct</i>	-103.66		
		<i>For &gt;250 To 500, Deduct</i>	-164.87		
		<i>For &gt;500 To 1000, Deduct</i>	-226.08		
		<i>For &gt;1000, Deduct</i>	-287.29		
26 56 19 00-0191		<b>Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VG)</b> <small>(26 56 19 00-0182)</small>			
		Note: UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0192	EA	3,700 Lumens, 50 Watt, Surface Mount, Square, LED Parking Structure Fixtures (CREE® BetaLED® VGADM5MA40KUL).....	1,073.14		149.67
		<i>For &gt;50 To 100, Deduct</i>	-53.66		
		<i>For &gt;100 To 250, Deduct</i>	-80.49		
		<i>For &gt;250 To 500, Deduct</i>	-126.66		
		<i>For &gt;500 To 1000, Deduct</i>	-172.83		
		<i>For &gt;1000, Deduct</i>	-219.01		
26 56 19 00-0193		<b>Surface Mount, Rectangular, LED Parking Structure Fixtures (Philips Gardco ELG)</b> <small>(26 56 19 00-0182)</small>			
		Note: Direct or pendant mount. UL wet listed. Includes 4,000K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and aluminum finish. Excludes sensors.			
26 56 19 00-0194	EA	70 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,090.69		157.99
		<i>For &gt;50 To 100, Deduct</i>	-104.53		
		<i>For &gt;100 To 250, Deduct</i>	-156.80		
		<i>For &gt;250 To 500, Deduct</i>	-253.44		
		<i>For &gt;500 To 1000, Deduct</i>	-350.07		
		<i>For &gt;1000, Deduct</i>	-446.71		
26 56 19 00-0195	EA	110 Watt, Surface Mount, Rectangular, LED Parking Structure Fixture (Philips Gardco ELG).....	2,123.95		174.61
		<i>For &gt;50 To 100, Deduct</i>	-106.20		
		<i>For &gt;100 To 250, Deduct</i>	-159.30		
		<i>For &gt;250 To 500, Deduct</i>	-256.76		
		<i>For &gt;500 To 1000, Deduct</i>	-354.23		
		<i>For &gt;1000, Deduct</i>	-451.70		
26 56 19 00-0196		<b>Surface Mount, LED Canopy Fixtures</b> <small>(26 56 19 00-0180)</small>			
26 56 19 00-0197		<b>Surface Mount, Rectangular, LED Canopy Fixtures (CREE® BetaLED® Edge® CAN-EDG)</b> <small>(26 56 19 00-0196)</small>			
		Note: Direct or pendant mount. UL wet listed. Includes 6,000K color temperature, 120-480 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.			
26 56 19 00-0198	EA	40 LEDs, 47 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,500.95		149.67
		<i>For Multi-Level Drive Currents, Add</i>	267.03		
		<i>For &gt;50 To 100, Deduct</i>	-75.05		
		<i>For &gt;100 To 250, Deduct</i>	-112.57		
		<i>For &gt;250 To 500, Deduct</i>	-180.14		
		<i>For &gt;500 To 1000, Deduct</i>	-247.70		
		<i>For &gt;1000, Deduct</i>	-315.26		
26 56 19 00-0199	EA	60 LEDs, 68 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	1,797.96		157.99
		<i>For Multi-Level Drive Currents, Add</i>	267.03		
		<i>For &gt;50 To 100, Deduct</i>	-89.90		
		<i>For &gt;100 To 250, Deduct</i>	-134.85		
		<i>For &gt;250 To 500, Deduct</i>	-216.85		
		<i>For &gt;500 To 1000, Deduct</i>	-298.84		
		<i>For &gt;1000, Deduct</i>	-380.84		
26 56 19 00-0200	EA	80 LEDs, 90 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,094.97		166.30
		<i>For Multi-Level Drive Currents, Add</i>	267.03		
		<i>For &gt;50 To 100, Deduct</i>	-104.75		
		<i>For &gt;100 To 250, Deduct</i>	-157.12		
		<i>For &gt;250 To 500, Deduct</i>	-253.56		
		<i>For &gt;500 To 1000, Deduct</i>	-349.99		
		<i>For &gt;1000, Deduct</i>	-446.42		
26 56 19 00-0201	EA	100 LEDs, 111 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,391.98		174.61
		<i>For Multi-Level Drive Currents, Add</i>	267.03		
		<i>For &gt;50 To 100, Deduct</i>	-119.60		
		<i>For &gt;100 To 250, Deduct</i>	-179.40		
		<i>For &gt;250 To 500, Deduct</i>	-290.27		
		<i>For &gt;500 To 1000, Deduct</i>	-401.14		
		<i>For &gt;1000, Deduct</i>	-512.00		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0202	EA		120 LEDs, 132 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	2,688.98	182.93
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-134.45	
			<i>For &gt;100 To 250, Deduct</i>	-201.67	
			<i>For &gt;250 To 500, Deduct</i>	-326.98	
			<i>For &gt;500 To 1000, Deduct</i>	-452.28	
			<i>For &gt;1000, Deduct</i>	-577.58	
26 56 19 00-0203	EA		140 LEDs, 157 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,098.52	191.24
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-154.93	
			<i>For &gt;100 To 250, Deduct</i>	-232.39	
			<i>For &gt;250 To 500, Deduct</i>	-377.75	
			<i>For &gt;500 To 1000, Deduct</i>	-523.12	
			<i>For &gt;1000, Deduct</i>	-668.48	
26 56 19 00-0204	EA		160 LEDs, 179 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,395.53	199.56
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-169.78	
			<i>For &gt;100 To 250, Deduct</i>	-254.66	
			<i>For &gt;250 To 500, Deduct</i>	-414.46	
			<i>For &gt;500 To 1000, Deduct</i>	-574.26	
			<i>For &gt;1000, Deduct</i>	-734.06	
26 56 19 00-0205	EA		200 LEDs, 221 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	3,989.54	216.19
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-199.48	
			<i>For &gt;100 To 250, Deduct</i>	-299.22	
			<i>For &gt;250 To 500, Deduct</i>	-487.88	
			<i>For &gt;500 To 1000, Deduct</i>	-676.55	
			<i>For &gt;1000, Deduct</i>	-865.22	
26 56 19 00-0206	EA		240 LEDs, 264 Watt, Surface Mount, Rectangular, LED Canopy Fixture (CREE® BetaLED® Edge® CAN-EDG).....	4,566.92	224.50
			<i>For Multi-Level Drive Currents, Add</i>	267.03	
			<i>For &gt;50 To 100, Deduct</i>	-228.35	
			<i>For &gt;100 To 250, Deduct</i>	-342.52	
			<i>For &gt;250 To 500, Deduct</i>	-559.64	
			<i>For &gt;500 To 1000, Deduct</i>	-776.76	
			<i>For &gt;1000, Deduct</i>	-993.88	
26 56 19 00-0207			<b>Surface Mount, Square, LED Canopy/Soffit Fixtures (CREE® BetaLED® CPY250)</b> <small>(26 56 19 00-0196)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120-277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0208	EA		8,000 Lumens, 82 Watt, Surface Mount, Square, LED Canopy/Soffit Fixture (CREE® BetaLED® CPY250) .....	1,051.66	166.30
			<i>For &gt;50 To 100, Deduct</i>	-52.58	
			<i>For &gt;100 To 250, Deduct</i>	-78.87	
			<i>For &gt;250 To 500, Deduct</i>	-123.14	
			<i>For &gt;500 To 1000, Deduct</i>	-167.41	
			<i>For &gt;1000, Deduct</i>	-211.68	
26 56 19 00-0209			<b>Recessed Mount, LED Soffit Fixtures</b> <small>(26 56 19 00-0160)</small>		
26 56 19 00-0210			<b>Recessed Mount, Square, LED Soffit Fixtures (CREE® BetaLED® SFT-304)</b> <small>(26 56 19 00-0209)</small>		
			Note: UL wet listed. Includes 5,700K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0211	EA		40 LEDs, 47 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) .....	1,275.89	149.67
			<i>For &gt;50 To 100, Deduct</i>	-63.79	
			<i>For &gt;100 To 250, Deduct</i>	-95.69	
			<i>For &gt;250 To 500, Deduct</i>	-152.00	
			<i>For &gt;500 To 1000, Deduct</i>	-208.31	
			<i>For &gt;1000, Deduct</i>	-264.62	
26 56 19 00-0212	EA		60 LEDs, 68 Watt, Recessed Mount, Square, LED Soffit Fixture (CREE® BetaLED® SFT-304) .....	1,405.05	157.99
			<i>For &gt;50 To 100, Deduct</i>	-70.25	
			<i>For &gt;100 To 250, Deduct</i>	-105.38	
			<i>For &gt;250 To 500, Deduct</i>	-167.73	
			<i>For &gt;500 To 1000, Deduct</i>	-230.09	
			<i>For &gt;1000, Deduct</i>	-292.44	
26 56 19 00-0213			<b>Surface Mount, LED Area Fixtures</b> <small>(26 56 19 00-0160)</small>		
26 56 19 00-0214			<b>Surface Mount, Square, LED Multi-Purpose Area Fixtures (LSI Industries® Crossover® XPG)</b> <small>(26 56 19 00-0213)</small>		
			Note: UL wet listed. Includes 5,300K color temperature, 120/277 voltage, 350mA driver, die-cast extruded aluminum housing assembly and white, black or silver powder coat finish. Excludes sensors.		
26 56 19 00-0215	EA		50 LEDs, 59 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	714.57	149.67
			<i>For &gt;50 To 100, Deduct</i>	-35.73	
			<i>For &gt;100 To 250, Deduct</i>	-53.59	
			<i>For &gt;250 To 500, Deduct</i>	-81.84	
			<i>For &gt;500 To 1000, Deduct</i>	-110.08	
			<i>For &gt;1000, Deduct</i>	-138.33	
26 56 19 00-0216	EA		50 LEDs, 59 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG) .....	1,534.02	149.67
			<i>For &gt;50 To 100, Deduct</i>	-76.70	
			<i>For &gt;100 To 250, Deduct</i>	-115.05	
			<i>For &gt;250 To 500, Deduct</i>	-184.27	
			<i>For &gt;500 To 1000, Deduct</i>	-253.49	
			<i>For &gt;1000, Deduct</i>	-322.70	

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0217	EA		68 LEDs, 79 Watt, Surface Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	1,287.98	166.30
			<i>For &gt;50 To 100, Deduct</i>	-64.40	
			<i>For &gt;100 To 250, Deduct</i>	-96.60	
			<i>For &gt;250 To 500, Deduct</i>	-152.68	
			<i>For &gt;500 To 1000, Deduct</i>	-208.77	
			<i>For &gt;1000, Deduct</i>	-264.85	
26 56 19 00-0218	EA		68 LEDs, 79 Watt, Pendant Mount, Square, LED Multi-Purpose Area Fixture (LSI Industries® Crossover® XPG).....	1,582.80	166.30
			<i>For &gt;50 To 100, Deduct</i>	-79.14	
			<i>For &gt;100 To 250, Deduct</i>	-118.71	
			<i>For &gt;250 To 500, Deduct</i>	-189.54	
			<i>For &gt;500 To 1000, Deduct</i>	-260.36	
			<i>For &gt;1000, Deduct</i>	-331.19	
26 56 19 00-0219			<b>Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour®)</b> (26 56 19 00-0213) Note: Wall, inverted, post, bollard, floodlight trunnion, or floodlight knuckle mount. UL wet listed. Includes 5,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0220	EA		13 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR1A).....	232.55	55.49
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For &gt;50 To 100, Deduct</i>	-11.63	
			<i>For &gt;100 To 250, Deduct</i>	-17.44	
			<i>For &gt;250 To 500, Deduct</i>	-26.76	
			<i>For &gt;500 To 1000, Deduct</i>	-36.07	
			<i>For &gt;1000, Deduct</i>	-45.39	
26 56 19 00-0221	EA		20 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR2A).....	262.25	55.49
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For &gt;50 To 100, Deduct</i>	-13.11	
			<i>For &gt;100 To 250, Deduct</i>	-19.67	
			<i>For &gt;250 To 500, Deduct</i>	-30.47	
			<i>For &gt;500 To 1000, Deduct</i>	-41.27	
			<i>For &gt;1000, Deduct</i>	-52.07	
26 56 19 00-0222	EA		30 Watt, Surface Mount, LED Multi-Purpose Area Fixture (Lumark Crosstour® XTOR3A).....	318.85	55.49
			<i>For Knuckle Mount Or Trunnion Mount Base, Add</i>	45.00	
			<i>For &gt;50 To 100, Deduct</i>	-15.94	
			<i>For &gt;100 To 250, Deduct</i>	-23.91	
			<i>For &gt;250 To 500, Deduct</i>	-37.54	
			<i>For &gt;500 To 1000, Deduct</i>	-51.17	
			<i>For &gt;1000, Deduct</i>	-64.80	
26 56 19 00-0223			<b>Surface Mount, LED Facade Fixtures</b> (26 56 19 00-0160)		
26 56 19 00-0224			<b>Surface Mount, LED Facade Fixtures (lumenpulse™ lumenfacade™)</b> (26 56 19 00-0223)		
26 56 19 00-0225	EA		12" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	794.38	64.77
			<i>For &gt;50 To 100, Deduct</i>	-39.72	
			<i>For &gt;100 To 250, Deduct</i>	-59.58	
			<i>For &gt;250 To 500, Deduct</i>	-96.83	
			<i>For &gt;500 To 1000, Deduct</i>	-134.09	
			<i>For &gt;1000, Deduct</i>	-171.34	
26 56 19 00-0226	EA		24" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,282.10	59.15
			<i>For &gt;50 To 100, Deduct</i>	-64.11	
			<i>For &gt;100 To 250, Deduct</i>	-96.16	
			<i>For &gt;250 To 500, Deduct</i>	-158.15	
			<i>For &gt;500 To 1000, Deduct</i>	-220.14	
			<i>For &gt;1000, Deduct</i>	-282.14	
26 56 19 00-0227	EA		36" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,631.33	49.29
			<i>For &gt;50 To 100, Deduct</i>	-81.57	
			<i>For &gt;100 To 250, Deduct</i>	-122.35	
			<i>For &gt;250 To 500, Deduct</i>	-202.16	
			<i>For &gt;500 To 1000, Deduct</i>	-281.96	
			<i>For &gt;1000, Deduct</i>	-361.77	
26 56 19 00-0228	EA		48" Length, Fixed Surface Mount, LED Façade Fixture (lumenpulse™ lumenfacade™).....	1,980.53	39.43
			<i>For &gt;50 To 100, Deduct</i>	-99.03	
			<i>For &gt;100 To 250, Deduct</i>	-148.54	
			<i>For &gt;250 To 500, Deduct</i>	-246.16	
			<i>For &gt;500 To 1000, Deduct</i>	-343.78	
			<i>For &gt;1000, Deduct</i>	-441.39	
26 56 19 00-0229			<b>Post Top, LED Area Fixtures</b> (26 56 19 00-0160)		
26 56 19 00-0230			<b>Post Top, LED Area Fixtures (Cooper Lighting Invue® MSA)</b> (26 56 19 00-0229) Note: UL wet listed. Includes 4,000K color temperature, 120-480 voltage, 350mA remote driver, die-cast extruded aluminum housing assembly and white, black, grey, dark platinum, graphite metallic or bronze powder coat finish. Excludes sensors.		
26 56 19 00-0231	EA		1,800 Lumens, 27 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO1).....	2,242.97	228.67
			<i>For &gt;50 To 100, Deduct</i>	-112.15	
			<i>For &gt;100 To 250, Deduct</i>	-168.22	
			<i>For &gt;250 To 500, Deduct</i>	-268.94	
			<i>For &gt;500 To 1000, Deduct</i>	-369.65	
			<i>For &gt;1000, Deduct</i>	-470.37	
26 56 19 00-0232	EA		3,400 Lumens, 54 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO2).....	2,470.81	228.67
			<i>For &gt;50 To 100, Deduct</i>	-123.54	
			<i>For &gt;100 To 250, Deduct</i>	-185.31	
			<i>For &gt;250 To 500, Deduct</i>	-297.42	
			<i>For &gt;500 To 1000, Deduct</i>	-409.53	
			<i>For &gt;1000, Deduct</i>	-521.63	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 19 00-0233	EA		77 Watt, Post Top Mount, Acorn Style LED Area Fixture (Cooper Lighting Invue® MSA-CO3).....	2,650.91	228.67
			<i>For &gt;50 To 100, Deduct</i>	-132.55	
			<i>For &gt;100 To 250, Deduct</i>	-198.82	
			<i>For &gt;250 To 500, Deduct</i>	-319.93	
			<i>For &gt;500 To 1000, Deduct</i>	-441.04	
			<i>For &gt;1000, Deduct</i>	-562.16	
<b>26 56 19 00-0234</b>			<b>Post Top, LED Area Fixtures (General Electric EPAS)</b> <small>(26 56 19 00-0229)</small>		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, green or bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0235	EA		3,200 Lumens, 45 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 E5/E3).....	2,633.69	228.67
			<i>For &gt;50 To 100, Deduct</i>	-131.68	
			<i>For &gt;100 To 250, Deduct</i>	-197.53	
			<i>For &gt;250 To 500, Deduct</i>	-317.78	
			<i>For &gt;500 To 1000, Deduct</i>	-438.03	
			<i>For &gt;1000, Deduct</i>	-558.28	
26 56 19 00-0236	EA		6,515 Lumens, 80 Watt, Post Top Mount, Acorn Style LED Area Fixture (General Electric EPAS 0 C5/C3) .....	2,692.23	228.67
			<i>For &gt;50 To 100, Deduct</i>	-134.61	
			<i>For &gt;100 To 250, Deduct</i>	-201.92	
			<i>For &gt;250 To 500, Deduct</i>	-325.10	
			<i>For &gt;500 To 1000, Deduct</i>	-448.27	
			<i>For &gt;1000, Deduct</i>	-571.45	
<b>26 56 19 00-0237</b>			<b>Post Top, LED Area Fixtures (General Electric EPTC)</b> <small>(26 56 19 00-0229)</small>		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black, gray or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0238	EA		3,200 Lumens, 45 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 E5/E3).....	1,841.13	228.67
			<i>For &gt;50 To 100, Deduct</i>	-92.06	
			<i>For &gt;100 To 250, Deduct</i>	-138.08	
			<i>For &gt;250 To 500, Deduct</i>	-218.71	
			<i>For &gt;500 To 1000, Deduct</i>	-299.33	
			<i>For &gt;1000, Deduct</i>	-379.96	
26 56 19 00-0239	EA		6,150 Lumens, 80 Watt, Post Top Mount, Contemporary Twin Support Style LED Area Fixture (General Electric EPTC 0 C5/C3).....	1,928.74	228.67
			<i>For &gt;50 To 100, Deduct</i>	-96.44	
			<i>For &gt;100 To 250, Deduct</i>	-144.66	
			<i>For &gt;250 To 500, Deduct</i>	-229.66	
			<i>For &gt;500 To 1000, Deduct</i>	-314.66	
			<i>For &gt;1000, Deduct</i>	-399.67	
<b>26 56 19 00-0240</b>			<b>Post Top, LED Area Fixtures (General Electric EPST)</b> <small>(26 56 19 00-0229)</small>		
			Note: UL wet listed. Includes 4,100K color temperature, 120-480 voltage, die-cast extruded aluminum housing assembly and black or dark bronze powder coat finish. Includes photocontrol sensor.		
26 56 19 00-0241	EA		3,135 Lumens, 45 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 E5/E3).....	1,442.91	228.67
			<i>For &gt;50 To 100, Deduct</i>	-72.15	
			<i>For &gt;100 To 250, Deduct</i>	-108.22	
			<i>For &gt;250 To 500, Deduct</i>	-168.93	
			<i>For &gt;500 To 1000, Deduct</i>	-229.64	
			<i>For &gt;1000, Deduct</i>	-290.36	
26 56 19 00-0242	EA		6,115 Lumens, 80 Watt, Post Top Mount, Utility Carriage Style LED Area Fixture (General Electric EPST 0 C5/C3).....	1,530.52	228.67
			<i>For &gt;50 To 100, Deduct</i>	-76.53	
			<i>For &gt;100 To 250, Deduct</i>	-114.79	
			<i>For &gt;250 To 500, Deduct</i>	-179.88	
			<i>For &gt;500 To 1000, Deduct</i>	-244.98	
			<i>For &gt;1000, Deduct</i>	-310.07	
<b>26 56 19 00-0243</b>			<b>Post Top, LED Area Fixtures (CREE® BetaLED® Edge® ARE-EDR)</b> <small>(26 56 19 00-0229)</small>		
			Note: UL wet listed. Includes 4,000K color temperature, 120/277 voltage, die-cast extruded aluminum housing assembly and white, black, silver or bronze powder coat finish. Includes Type V Medium optic. Excludes sensors.		
26 56 19 00-0244	EA		13,800 Lumens, 130 Watt, Post Top Mount, LED Area Fixture (CREE® BetaLED® Edge® ARE-EDR).....	3,364.08	228.67
			<i>For &gt;50 To 100, Deduct</i>	-168.20	
			<i>For &gt;100 To 250, Deduct</i>	-252.31	
			<i>For &gt;250 To 500, Deduct</i>	-409.08	
			<i>For &gt;500 To 1000, Deduct</i>	-565.85	
			<i>For &gt;1000, Deduct</i>	-722.62	
<b>26 56 19 00-0245</b>			<b>LED Retrofit For Post Top, Traditional Area Fixtures (CREE® BetaLED® BXRA)</b> <small>(26 56 19 00-0229)</small>		
			Note: Includes 2,700K or 4,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.		
26 56 19 00-0246	EA		LED Retrofit For Post Top, Holophane® Utility Granville Acorn Area Fixtures (CREE® BetaLED® BXRAAH53) .....	946.26	124.72
			<i>For 0 To 10 Volt Dimming, Add</i>	67.48	
			<i>For &gt;50 To 100, Deduct</i>	-47.31	
			<i>For &gt;100 To 250, Deduct</i>	-70.97	
			<i>For &gt;250 To 500, Deduct</i>	-112.05	
			<i>For &gt;500 To 1000, Deduct</i>	-153.12	
			<i>For &gt;1000, Deduct</i>	-194.20	



**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

26 56 19 00-0247	LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) <sup>(26 56 19 00-0229)</sup>		
	Note: Includes 3,000K color temperature and 120/277 voltage retrofit assembly. Excludes recycling or disposal of lamps and ballasts. See CSI section 02 84 16 00-0003 for ballast recycling, 26 01 50 51-0375 for disposal of hazardous lamps.		
26 56 19 00-0248	EA LED Retrofit For Post Top, Decorative Area Fixtures (CREE® DPT) .....	588.28	26.61
	For Backlight Control Shield, Add	45.47	
	For >50 To 100, Deduct	-29.41	
	For >100 To 250, Deduct	-44.12	
	For >250 To 500, Deduct	-70.87	
	For >500 To 1000, Deduct	-97.63	
	For >1000, Deduct	-124.38	
26 56 19 00-0249	Surface Mount, LED Strip Fixtures (Sylvania) <sup>(26 56 19 00-0160)</sup>		
26 56 19 00-0250	EA 4' Long, 5,200 Lumens, 40 Watt, Vapor Tight Dimmable LED Fixture (Sylvania VAPOR1B/040UNVD840/48EC/GR/D).....	550.44	51.54
	For >50 To 100, Deduct	-27.52	
	For >100 To 250, Deduct	-41.28	
	For >250 To 500, Deduct	-66.87	
	For >500 To 1000, Deduct	-92.45	
	For >1000, Deduct	-118.04	
<b>26 56 21</b>	<b>HID Exterior Lighting</b> <sup>(26 56)</sup>		
26 56 21 00-0001	High Mast Fixtures <sup>(26 56 21)</sup>		
26 56 21 00-0002	Metal Halide, High Mast Fixtures <sup>(26 56 21 00-0001)</sup>		
26 56 21 00-0003	EA 400 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	2,028.10	205.13
26 56 21 00-0004	EA 400 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,164.57	205.13
26 56 21 00-0005	EA 750 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	2,152.58	234.35
26 56 21 00-0006	EA 750 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,234.46	234.35
26 56 21 00-0007	EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type V) As Manufactured By Metrolux .....	2,271.64	292.94
26 56 21 00-0008	EA 1,000 W High Mast Metal Halide Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,353.52	292.94
26 56 21 00-0009	High Pressure Sodium, High Mast Fixtures <sup>(26 56 21 00-0001)</sup>		
26 56 21 00-0010	EA 400 W High Mast HPS Fixture (VA 25 Type V) As Manufactured By Metrolux .....	2,093.73	205.13
26 56 21 00-0011	EA 400 W High Mast HPS Fixture (VA 25 Type VS, VF 1 And 3) As Manufactured By Metrolux .....	2,175.61	205.13
26 56 21 00-0012	EA 600 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,527.83	216.85
26 56 21 00-0013	EA 750 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,592.20	234.35
26 56 21 00-0014	EA 1,000 Watt High Mast HPS Fixture (VA 25 Type V, VS, VF 1 And 3) As Manufactured By Metrolux .....	2,752.20	292.94
26 56 21 00-0015	HID, Pole Mounted <sup>(26 56 21)</sup>		
26 56 21 00-0016	Metal Halide, Pole Mounted <sup>(26 56 21 00-0015)</sup>		
26 56 21 00-0017	EA 175 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	788.56	334.49
26 56 21 00-0018	EA 250 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	884.40	363.08
26 56 21 00-0019	EA 400 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,023.79	390.58
26 56 21 00-0020	EA 1,000 Watt Metal Halide, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,312.39	457.75
26 56 21 00-0021	High Pressure Sodium, Pole Mounted <sup>(26 56 21 00-0015)</sup>		
26 56 21 00-0022	EA 100 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	913.82	390.58
26 56 21 00-0023	EA 150 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	939.29	390.58
26 56 21 00-0024	EA 175 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	982.09	390.58
26 56 21 00-0025	EA 250 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,091.42	390.58
26 56 21 00-0026	EA 400 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,260.74	390.58
26 56 21 00-0027	EA 1,000 Watt High Pressure Sodium, Enclosed And Gasketed, Exterior Roadway Fixture .....	1,266.98	390.58
26 56 21 00-0028	Low Pressure Sodium, Pole Mounted <sup>(26 56 21 00-0015)</sup>		
26 56 21 00-0029	EA 135 Watt Low Pressure Sodium Exterior Roadway Fixture, Enclosed And Gasketed .....	798.62	212.48
26 56 21 00-0030	EA 135 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	891.60	312.46
26 56 21 00-0031	EA 180 Watt Low Pressure Sodium Fixture, Enclosed And Gasketed .....	1,032.52	312.46
26 56 21 00-0032	Metal Halide, Area Fixtures <sup>(26 56 21)</sup>		
26 56 21 00-0033	Metal Halide, Pole Mount, Area Fixtures <sup>(26 56 21 00-0032)</sup>		
	Note: Includes pulse start ballast.		
26 56 21 00-0034	EA 150 Watt, Metal Halide Area Fixture, Pole Mount .....	1,234.03	204.32
26 56 21 00-0035	EA 175 Watt, Metal Halide Area Fixture, Pole Mount .....	1,354.32	224.76
26 56 21 00-0036	EA 250 Watt, Metal Halide Area Fixture, Pole Mount .....	1,497.06	245.20
26 56 21 00-0037	EA 400 Watt, Metal Halide Area Fixture, Pole Mount .....	1,588.87	286.06
26 56 21 00-0038	High Pressure Sodium, Area Fixtures <sup>(26 56 21)</sup>		
26 56 21 00-0039	Pole Mount, High Pressure Sodium Area Fixtures <sup>(26 56 21 00-0038)</sup>		
26 56 21 00-0040	EA 100 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,023.89	163.46
26 56 21 00-0041	EA 150 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,119.83	204.32
26 56 21 00-0042	EA 250 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,219.57	245.20
26 56 21 00-0043	EA 400 Watt, High Pressure Sodium Area Fixture, Pole Mount .....	1,291.51	286.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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26 56 21 00-0044			Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <sup>(26 56 21)</sup>		
26 56 21 00-0045			High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <sup>(26 56 21 00-0044)</sup>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0046	EA		35 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	877.09	210.91
26 56 21 00-0047	EA		50 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	912.45	234.35
26 56 21 00-0048	EA		70 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	978.25	267.16
26 56 21 00-0049	EA		100 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,006.60	284.34
26 56 21 00-0050	EA		150 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,036.18	299.97
26 56 21 00-0051	EA		175 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,085.35	312.46
26 56 21 00-0052	EA		250 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,188.64	351.53
26 56 21 00-0053	EA		400 Watt High Pressure Sodium, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,435.53	390.58
26 56 21 00-0054			Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixtures <sup>(26 56 21 00-0044)</sup>		
			Note: Includes cast aluminum powder coated housing, polycarbonate lens and tamperproof screws.		
26 56 21 00-0055	EA		50 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	965.92	234.35
26 56 21 00-0056	EA		70 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,023.58	267.16
26 56 21 00-0057	EA		100 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,059.56	284.34
26 56 21 00-0058	EA		150 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,105.40	299.97
26 56 21 00-0059	EA		175 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,130.72	312.46
26 56 21 00-0060	EA		250 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,236.33	351.53
26 56 21 00-0061	EA		400 Watt Metal Halide, Vandal Resistant, Surface Mounted, Rectangular Exterior Area Fixture	1,562.34	390.58
26 56 21 00-0062			Wall Packs <sup>(26 56 21)</sup>		
26 56 21 00-0063			Non-Cutoff, Polycarbonate Lens, Mini Wall Packs <sup>(26 56 21 00-0062)</sup>		
			Note: Polycarbonate body and aluminum reflector. 11" x 6-1/2" x 5-1/4". Lithonia TWS.		
26 56 21 00-0064	EA		13 Watt Compact Fluorescent, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	418.64	77.07
26 56 21 00-0065	EA		50 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	446.18	77.07
26 56 21 00-0066	EA		35 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	446.18	77.07
26 56 21 00-0067	EA		70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Mini Wall Pack	579.69	77.07
26 56 21 00-0068			Semi Cutoff, Polycarbonate Lens, Mini Wall Packs <sup>(26 56 21 00-0062)</sup>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWA.		
26 56 21 00-0069	EA		42 Watt Compact Fluorescent, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	795.18	77.07
26 56 21 00-0070	EA		50 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	805.09	77.07
26 56 21 00-0071	EA		70 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	813.65	77.07
26 56 21 00-0072	EA		100 Watt Metal Halide, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	798.03	77.07
26 56 21 00-0073	EA		70 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	733.78	77.07
26 56 21 00-0074	EA		100 Watt High Pressure Sodium, Semi Cutoff, Polycarbonate Lens, Mini Wall Pack	698.49	77.07
26 56 21 00-0075			Cutoff, Polycarbonate Lens, Mini Wall Packs <sup>(26 56 21 00-0062)</sup>		
			Note: Polycarbonate body and diffused aluminum reflector. 10" x 11-1/2" x 8-15/16". Lithonia TWAC.		
26 56 21 00-0076	EA		50 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	835.83	77.07
26 56 21 00-0077	EA		70 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	844.86	77.07
26 56 21 00-0078	EA		100 Watt Metal Halide, Cutoff, Polycarbonate Lens, Mini Wall Pack	829.25	77.07
26 56 21 00-0079	EA		70 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	841.82	77.07
26 56 21 00-0080	EA		100 Watt High Pressure Sodium, Cutoff, Polycarbonate Lens, Mini Wall Pack	841.82	77.07
26 56 21 00-0081			Non-Cutoff, Borosilicate Glass Lens, Small Wall Packs <sup>(26 56 21 00-0062)</sup>		
			Note: Aluminum body and reflector. 9" x 13" x 7-3/8". Lithonia TWR1.		
26 56 21 00-0082	EA		70 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	809.10	102.66
26 56 21 00-0083	EA		100 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	809.10	102.66
26 56 21 00-0084	EA		175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	760.74	102.66
26 56 21 00-0085	EA		70 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	779.28	102.66
26 56 21 00-0086	EA		100 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	779.28	102.66
26 56 21 00-0087	EA		150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Small Wall Pack	725.67	102.66
26 56 21 00-0088			Cutoff, Borosilicate Glass Lens, Small Wall Packs <sup>(26 56 21 00-0062)</sup>		
			Note: Aluminum body and reflector. 10-1/4" x 13" x 8-15/32". Lithonia TWR1C.		
26 56 21 00-0089	EA		70 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	837.75	102.66
26 56 21 00-0090	EA		100 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	837.75	102.66
26 56 21 00-0091	EA		175 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Small Wall Pack	837.75	102.66
26 56 21 00-0092	EA		70 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	809.31	102.66
26 56 21 00-0093	EA		100 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	809.31	102.66
26 56 21 00-0094	EA		150 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Small Wall Pack	809.31	102.66
26 56 21 00-0095			Full Cutoff, Tempered Glass Lens, Small Wall Packs <sup>(26 56 21 00-0062)</sup>		
			Note: Aluminum body and reflector. 9-3/8" x 14-3/8" x 8-3/4". Meets Nighttime Friendly criteria. Lithonia TWR1S.		
26 56 21 00-0096	EA		175 Watt Metal Halide, Full Cutoff, Tempered Glass Lens, Small Wall Pack	1,069.19	102.66
26 56 21 00-0097			Cutoff, Borosilicate Glass Lens, Medium Wall Packs <sup>(26 56 21 00-0062)</sup>		
			Note: Aluminum body and reflector. Lithonia TWR2.		

**26 Electrical****26 50 Lighting****26 56 Exterior Lighting**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
26 56 21 00-0098	EA	250 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack ..... Note: 9-1/4" x 17-7/8" x 9-3/8".		1,019.21	127.17
26 56 21 00-0099	EA	400 Watt Metal Halide, Cutoff, Borosilicate Glass Lens, Medium Wall Pack ..... Note: 9-1/4" x 17-7/8" x 12-1/2".		1,084.76	127.17
26 56 21 00-0100	EA	250 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack ..... Note: 9-1/4" x 17-7/8" x 9-3/8".		1,162.92	127.17
26 56 21 00-0101	EA	400 Watt High Pressure Sodium, Cutoff, Borosilicate Glass Lens, Medium Wall Pack ..... Note: 9-1/4" x 17-7/8" x 12-1/2".		1,184.43	127.17
<b>26 56 21 00-0102</b>		<b>Cutoff, Tempered Glass Lens, Medium Wall Packs</b> (26 56 21 00-0062) Note: Aluminum body and reflector. 10" x 17-1/8" x 14-1/2". Lithonia TWR2C.			
26 56 21 00-0103	EA	250 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....		1,103.53	127.17
26 56 21 00-0104	EA	400 Watt Metal Halide, Cutoff, Tempered Glass Lens, Medium Wall Pack .....		1,177.18	127.17
<b>26 56 21 00-0105</b>		<b>Non-Cutoff, Polycarbonate Lens, Large Wall Packs</b> (26 56 21 00-0062) Note: Polycarbonate body and powder coated reflector. 15-7/16" x 16-1/8" x 7-3/4". Lithonia TWP.			
26 56 21 00-0106	EA	100 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack.....		1,034.47	154.14
26 56 21 00-0107	EA	175 Watt Metal Halide, Non-Cutoff, Polycarbonate Lens, Large Wall Pack.....		956.46	154.14
26 56 21 00-0108	EA	70 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack .....		1,016.42	154.14
26 56 21 00-0109	EA	100 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack.....		1,022.39	154.14
26 56 21 00-0110	EA	150 Watt High Pressure Sodium, Non-Cutoff, Polycarbonate Lens, Large Wall Pack.....		1,028.65	154.14
<b>26 56 21 00-0111</b>		<b>Non-Cutoff, Borosilicate Glass Lens, Large Wall Packs</b> (26 56 21 00-0062) Note: Aluminum body and reflector. 15-3/4" x 16-1/4" x 8". Lithonia TWH.			
26 56 21 00-0112	EA	175 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack.....		1,034.49	154.14
26 56 21 00-0113	EA	250 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....		1,060.53	154.14
26 56 21 00-0114	EA	400 Watt Metal Halide, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....		1,138.53	154.14
26 56 21 00-0115	EA	150 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack .....		1,086.54	154.14
26 56 21 00-0116	EA	250 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack.....		1,112.57	154.14
26 56 21 00-0117	EA	400 Watt High Pressure Sodium, Non-Cutoff, Borosilicate Glass Lens, Large Wall Pack.....		1,164.52	154.14
<b>26 56 21 00-0118</b>		<b>Semi Cutoff, Induction Wall Packs</b> (26 56 21 00-0062)			
<b>26 56 21 00-0119</b>		<b>Semi Cutoff, Induction Wall Packs (Everlast®)</b> (26 56 21 00-0118) Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.			
26 56 21 00-0120	EA	70 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-70).....		1,279.27	141.36
26 56 21 00-0121	EA	80 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-80).....		1,307.01	149.67
26 56 21 00-0122	EA	100 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-100).....		1,334.74	157.99
26 56 21 00-0123	EA	120 Watt, Wall Mount, Semi Cutoff, Bi-Level Induction Wall Pack (Everlast® EOF-ED-120).....		1,484.61	166.30
<b>26 56 21 00-0124</b>		<b>Non-Cutoff, Polycarbonate Lens, Small Wall Packs</b> (26 56 21 00-0062)			
26 56 21 00-0125	EA	15 Watt, Exterior, Non-Cutoff Small Wall Pack (Sylvania 60066-SMWLPAK1N/015UNV740/NC/BZ/P).....		430.77	77.07
<b>26 56 21 00-0126</b>		<b>Induction, Roadway Lighting</b> (26 56 21)			
<b>26 56 21 00-0127</b>		<b>Induction Roadway Lighting (US Lighting Tech)</b> (26 56 21 00-0126) Note: Includes gray powder coat finish heavy duty die cast aluminum body and flat glass lens.			
26 56 21 00-0128	EA	40 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		757.33	249.46
26 56 21 00-0129	EA	70 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		824.64	257.77
26 56 21 00-0130	EA	100 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		857.90	274.40
26 56 21 00-0131	EA	150 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		891.17	291.02
26 56 21 00-0132	EA	200 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		1,024.33	299.34
26 56 21 00-0133	EA	250 Watt Induction, Horizontal Tenon Mount, Street Light (US Lighting Tech Jersey HR, 511).....		1,045.02	307.66
26 56 21 00-0134	EA	40 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....		714.77	249.46
26 56 21 00-0135	EA	70 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....		788.15	257.77
26 56 21 00-0136	EA	100 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....		821.41	274.40
26 56 21 00-0137	EA	150 Watt Induction, Horizontal Tenon Mount, Cobra Head Street Light (US Lighting Tech Cobra 100, 512).....		854.68	291.02
<b>26 56 21 00-0138</b>		<b>Induction, Area Fixtures</b> (26 56 21)			
<b>26 56 21 00-0139</b>		<b>Post Top, Induction Area Fixtures</b> (26 56 21 00-0138)			
<b>26 56 21 00-0140</b>		<b>Post Top, Induction Area Fixtures (US Lighting Tech)</b> (26 56 21 00-0139) Note: Includes black powder coat finish heavy duty die cast aluminum body and no-lite lid acrylic lens.			
26 56 21 00-0141	EA	40 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....		823.18	228.67
26 56 21 00-0142	EA	70 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....		881.96	228.67
26 56 21 00-0143	EA	100 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....		881.96	228.67
26 56 21 00-0144	EA	150 Watt Induction, Post Top Mount, Acorn Style Area Fixture (US Lighting Tech Acorn, 571).....		881.96	228.67
<b>26 56 21 00-0145</b>		<b>Surface Mount, Induction Parking Structure Fixtures</b> (26 56 21 00-0138)			
<b>26 56 21 00-0146</b>		<b>Surface Mount, Induction Parking Structure Fixtures (Everlast®)</b> (26 56 21 00-0145)			
26 56 21 00-0147	EA	40 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		748.07	207.88
26 56 21 00-0148	EA	55 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		790.84	212.03
26 56 21 00-0149	EA	70 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		803.21	216.19
26 56 21 00-0150	EA	80 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		815.58	220.35
26 56 21 00-0151	EA	100 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		827.94	224.50
26 56 21 00-0152	EA	120 Watt Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC).....		844.36	228.67

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
26 56 21 00-0153 EA 70/28 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	861.99	216.19
26 56 21 00-0154 EA 80/32 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	874.36	220.35
26 56 21 00-0155 EA 100/40 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	886.72	224.50
26 56 21 00-0156 EA 120/48 Watt Bi-Level Induction, Surface Mount, Round, Parking Structure Fixture (Everlast® Davenport EGFUS-EC) .....	920.37	228.67
<b>26 56 21 00-0157 Pole Mount, Induction Area Fixtures (26 56 21 00-0138)</b>		
<b>26 56 21 00-0158 Pole Mount, Bi-Level Induction Area Fixtures (Everlast® ESB-ED) (26 56 21 00-0157)</b> Note: UL wet listed. Includes bi-level ballast, die-cast aluminum housing assembly and bronze powder coat finish. Excludes sensors.		
26 56 21 00-0159 EA 70 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-70) .....	1,334.79	141.36
26 56 21 00-0160 EA 80 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-80) .....	1,373.63	149.67
26 56 21 00-0161 EA 100 Watt, Pole Mount, Bi-Level Induction Area Fixture (Everlast® ESB-ED-100) .....	1,412.47	157.99

**END OF SECTION 26**

**26 Electrical**

26 50 Lighting

26 56 Exterior Lighting

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 27 Communications

Note: Termination costs are included with all communication equipment, panel boards, and devices. Terminations are not included with patch panels.

### 27 05 Common Work Results for Communications <sup>(27)</sup>

#### 27 05 26 Grounding and Bonding for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 26 00-0000 for grounding.

27 05 26 00-0001	EA 2" x 1/4" x 12", G Pattern, Grounding Bus Bar.....	206.04	41.70
27 05 26 00-0002	EA 2" x 1/4" x 12", TGB Pattern, Grounding Bus Bar .....	220.83	41.70
27 05 26 00-0003	EA 4" x 1/4" x 12", TMGB Pattern, Grounding Bus Bar .....	405.37	41.70
27 05 26 00-0004	EA #6 AWG, Cable Runway Ground Strap .....	80.46	7.72
27 05 26 00-0005	EA 1/4" Screw Size, #6 AWG Compression Lug .....	29.89	7.72
27 05 26 00-0006	EA 3/8" Screw Size, #6 AWG Compression Lug .....	31.67	7.72
27 05 26 00-0007	EA Two Mounting Hole, Ground Terminal Block .....	34.97	7.72
27 05 26 00-0008	EA 25 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 720-00).....	1,135.61	157.84
	Note: Excludes terminations.		
27 05 26 00-0009	EA 50 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 820-00).....	1,461.00	210.50
	Note: Excludes terminations.		
27 05 26 00-0010	EA 100 Pair Outdoor, Enclosed Building Entrance Terminal (ADC 6649 1 630-00).....	2,303.00	315.68
	Note: Excludes terminations.		
27 05 26 00-0011	EA Lucent 3B1-EW, Gas Tube Protector Unit .....	13.75	2.32
27 05 26 00-0012	EA 44 Terminal Copper Ground Bus Bar (Siemens ECGK) .....	100.16	41.70

#### 27 05 29 Hangers and Supports for Communications Systems <sup>(27 05)</sup>

See CSI section 26 05 29 00-0000 for hangers and supports.

##### 27 05 29 00-0001 Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29)</sup>

##### 27 05 29 00-0002 Screw On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0003	EA 3/4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12).....	11.31	3.86
	For >50 To 100, Deduct	-0.48	
	For >100 To 250, Deduct	-0.95	
	For >250 To 500, Deduct	-1.81	
	For >500, Deduct	-2.68	
	For Installation On Concrete (Includes Drilling And Fastener), Add	2.03	
	For Work In Restricted Working Space, Add	2.32	
	For Painted Powder Coated Finish, Add	0.73	
27 05 29 00-0004	EA 1-5/16" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21).....	11.87	3.86
	For >50 To 100, Deduct	-0.49	
	For >100 To 250, Deduct	-0.98	
	For >250 To 500, Deduct	-1.86	
	For >500, Deduct	-2.73	
	For Installation On Concrete (Includes Drilling And Fastener), Add	2.03	
	For Work In Restricted Working Space, Add	2.32	
	For Painted Powder Coated Finish, Add	2.56	
	For Low Friction Xylan® Coated Finish, Add	9.12	
27 05 29 00-0005	EA 2" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32).....	12.73	3.86
	For >50 To 100, Deduct	-0.51	
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.92	
	For >500, Deduct	-2.82	
	For Installation On Concrete (Includes Drilling And Fastener), Add	2.03	
	For Work In Restricted Working Space, Add	2.32	
	For Painted Powder Coated Finish, Add	3.14	
	For Low Friction Xylan® Coated Finish, Add	11.34	
27 05 29 00-0006	EA 4" Hook Size, Pre-Galvanized Finish, Screw On, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64).....	20.20	3.86
	For >50 To 100, Deduct	-0.70	
	For >100 To 250, Deduct	-1.40	
	For >250 To 500, Deduct	-2.48	
	For >500, Deduct	-3.56	
	For Installation On Concrete (Includes Drilling And Fastener), Add	2.03	
	For Work In Restricted Working Space, Add	2.32	
	For Painted Powder Coated Finish, Add	1.68	
	For Low Friction Xylan® Coated Finish, Add	10.05	

##### 27 05 29 00-0007 Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hooks (J-Hooks) <sup>(27 05 29 00-0001)</sup>

Note: Includes screw.

27 05 29 00-0008	EA 3/4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-RB).....	12.63	3.86
	For >50 To 100, Deduct	-0.51	
	For >100 To 250, Deduct	-1.02	
	For >250 To 500, Deduct	-1.91	
	For >500, Deduct	-2.81	
	For Installation On Concrete (Includes Drilling And Fastener), Add	2.03	
	For Work In Restricted Working Space, Add	2.32	

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 05 29 00-0009	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-RB) .....	15.98	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.59	
		<i>For &gt;100 To 250, Deduct</i>	-1.19	
		<i>For &gt;250 To 500, Deduct</i>	-2.16	
		<i>For &gt;500, Deduct</i>	-3.14	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
		<i>For Work In Restricted Working Space, Add</i>	2.32	
27 05 29 00-0010	EA	2" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-RB) .....	17.62	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.63	
		<i>For &gt;100 To 250, Deduct</i>	-1.27	
		<i>For &gt;250 To 500, Deduct</i>	-2.29	
		<i>For &gt;500, Deduct</i>	-3.31	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
		<i>For Work In Restricted Working Space, Add</i>	2.32	
27 05 29 00-0011	EA	4" Hook Size, Pre-Galvanized Finish, Screw On Angle Bracket Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-RB) .....	23.47	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.78	
		<i>For &gt;100 To 250, Deduct</i>	-1.56	
		<i>For &gt;250 To 500, Deduct</i>	-2.73	
		<i>For &gt;500, Deduct</i>	-3.89	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	2.03	
		<i>For Work In Restricted Working Space, Add</i>	2.32	

**27 05 29 00-0012 Strut Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

Note: Excludes strut.

27 05 29 00-0013	EA	3/4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-SC4) .....	13.25	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.52	
		<i>For &gt;100 To 250, Deduct</i>	-1.05	
		<i>For &gt;250 To 500, Deduct</i>	-1.96	
		<i>For &gt;500, Deduct</i>	-2.87	
		<i>For Work In Restricted Working Space, Add</i>	2.32	
27 05 29 00-0014	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-SC4) .....	15.49	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.58	
		<i>For &gt;100 To 250, Deduct</i>	-1.16	
		<i>For &gt;250 To 500, Deduct</i>	-2.13	
		<i>For &gt;500, Deduct</i>	-3.09	
		<i>For Work In Restricted Working Space, Add</i>	2.32	
27 05 29 00-0015	EA	2" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-SC4) .....	16.65	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.61	
		<i>For &gt;100 To 250, Deduct</i>	-1.22	
		<i>For &gt;250 To 500, Deduct</i>	-2.21	
		<i>For &gt;500, Deduct</i>	-3.21	
		<i>For Work In Restricted Working Space, Add</i>	2.32	
27 05 29 00-0016	EA	4" Hook Size, Pre-Galvanized Finish, Strut Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-SC4) .....	22.18	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.75	
		<i>For &gt;100 To 250, Deduct</i>	-1.50	
		<i>For &gt;250 To 500, Deduct</i>	-2.63	
		<i>For &gt;500, Deduct</i>	-3.76	
		<i>For Work In Restricted Working Space, Add</i>	2.32	

**27 05 29 00-0017 T-Bar Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

Note: Excludes T-Bar.

27 05 29 00-0018	EA	3/4" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-A28) .....	15.70	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.59	
		<i>For &gt;100 To 250, Deduct</i>	-1.17	
		<i>For &gt;250 To 500, Deduct</i>	-2.14	
		<i>For &gt;500, Deduct</i>	-3.11	
		<i>For Work In Restricted Working Space, Add</i>	2.32	
27 05 29 00-0019	EA	1-5/16" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-A28) .....	19.49	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.68	
		<i>For &gt;100 To 250, Deduct</i>	-1.36	
		<i>For &gt;250 To 500, Deduct</i>	-2.43	
		<i>For &gt;500, Deduct</i>	-3.49	
		<i>For Work In Restricted Working Space, Add</i>	2.32	
27 05 29 00-0020	EA	2" Hook Size, Pre-Galvanized Finish, T-Bar Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-A28) .....	20.48	3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.71	
		<i>For &gt;100 To 250, Deduct</i>	-1.41	
		<i>For &gt;250 To 500, Deduct</i>	-2.50	
		<i>For &gt;500, Deduct</i>	-3.59	
		<i>For Work In Restricted Working Space, Add</i>	2.32	

**27 05 29 00-0021 Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

Note: Excludes threaded rod. See CSI section 26 05 29 00-0372 for threaded rod.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 05 29 00-0022	EA	3/4" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-W6).....	12.95		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.52		
		<i>For &gt;100 To 250, Deduct</i>	-1.03		
		<i>For &gt;250 To 500, Deduct</i>	-1.94		
		<i>For &gt;500, Deduct</i>	-2.84		
		<i>For Work In Restricted Working Space, Add</i>	2.32		
27 05 29 00-0023	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-W6).....	13.46		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.53		
		<i>For &gt;100 To 250, Deduct</i>	-1.06		
		<i>For &gt;250 To 500, Deduct</i>	-1.97		
		<i>For &gt;500, Deduct</i>	-2.89		
		<i>For Work In Restricted Working Space, Add</i>	2.32		
27 05 29 00-0024	EA	2" Hook Size, Pre-Galvanized Finish, Plain Or Threaded Rod Clip-On Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-W6).....	16.09		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.60		
		<i>For &gt;100 To 250, Deduct</i>	-1.19		
		<i>For &gt;250 To 500, Deduct</i>	-2.17		
		<i>For &gt;500, Deduct</i>	-3.15		
		<i>For Work In Restricted Working Space, Add</i>	2.32		

**27 05 29 00-0025 Threaded Rod Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

Note: Excludes threaded rod, nuts and washers. See CSI section 26 05 29 00-0372 for threaded rod, nuts and washers.

27 05 29 00-0026	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-AB).....	15.79		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.59		
		<i>For &gt;100 To 250, Deduct</i>	-1.18		
		<i>For &gt;250 To 500, Deduct</i>	-2.15		
		<i>For &gt;500, Deduct</i>	-3.12		
		<i>For Work In Restricted Working Space, Add</i>	2.32		
27 05 29 00-0027	EA	2" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-AB).....	17.01		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.62		
		<i>For &gt;100 To 250, Deduct</i>	-1.24		
		<i>For &gt;250 To 500, Deduct</i>	-2.24		
		<i>For &gt;500, Deduct</i>	-3.25		
		<i>For Work In Restricted Working Space, Add</i>	2.32		
27 05 29 00-0028	EA	4" Hook Size, Pre-Galvanized Finish, Threaded Rod Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-AB).....	23.13		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.77		
		<i>For &gt;100 To 250, Deduct</i>	-1.54		
		<i>For &gt;250 To 500, Deduct</i>	-2.70		
		<i>For &gt;500, Deduct</i>	-3.86		
		<i>For Work In Restricted Working Space, Add</i>	2.32		

**27 05 29 00-0029 Beam Clamp Attachment, Communications And Low Voltage Cable Hooks (J-Hooks)** (27 05 29 00-0001)

27 05 29 00-0030	EA	3/4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH12-C442A).....	15.62		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.58		
		<i>For &gt;100 To 250, Deduct</i>	-1.17		
		<i>For &gt;250 To 500, Deduct</i>	-2.14		
		<i>For &gt;500, Deduct</i>	-3.11		
		<i>For Work In Restricted Working Space, Add</i>	2.32		
27 05 29 00-0031	EA	1-5/16" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH21-C442A).....	17.81		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.64		
		<i>For &gt;100 To 250, Deduct</i>	-1.28		
		<i>For &gt;250 To 500, Deduct</i>	-2.30		
		<i>For &gt;500, Deduct</i>	-3.33		
		<i>For Work In Restricted Working Space, Add</i>	2.32		
27 05 29 00-0032	EA	2" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH32-C442A).....	18.97		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.67		
		<i>For &gt;100 To 250, Deduct</i>	-1.33		
		<i>For &gt;250 To 500, Deduct</i>	-2.39		
		<i>For &gt;500, Deduct</i>	-3.44		
		<i>For Work In Restricted Working Space, Add</i>	2.32		
27 05 29 00-0033	EA	4" Hook Size, Pre-Galvanized Finish, Beam Clamp Attachment, Communications And Low Voltage Cable Hook (J-Hook) (Cooper B-line BCH64-C442A).....	25.34		3.86
		<i>For &gt;50 To 100, Deduct</i>	-0.83		
		<i>For &gt;100 To 250, Deduct</i>	-1.65		
		<i>For &gt;250 To 500, Deduct</i>	-2.87		
		<i>For &gt;500, Deduct</i>	-4.08		
		<i>For Work In Restricted Working Space, Add</i>	2.32		

**27 05 29 00-0034 Adjustable Cable Supports (Caddy® CableCat CAT425)** (27 05 29)

**27 Communications****27 05 Common Work Results for Communications****27 05 29 Hangers and Supports for Communications Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 05 29 00-0035	EA	Wall Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425).....	43.44	5.08
		<i>For &gt;50 To 100, Deduct</i>	-1.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.94	
		<i>For &gt;250 To 500, Deduct</i>	-5.18	
		<i>For &gt;500, Deduct</i>	-7.43	
		<i>For Installation On Concrete (Includes Drilling And Fastener), Add</i>	3.95	
		<i>For Work In Restricted Working Space, Add</i>	4.62	
27 05 29 00-0036	EA	Threaded Rod Or Horizontal Surface Mount, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	44.26	5.08
		<i>For &gt;50 To 100, Deduct</i>	-1.49	
		<i>For &gt;100 To 250, Deduct</i>	-2.98	
		<i>For &gt;250 To 500, Deduct</i>	-5.25	
		<i>For &gt;500, Deduct</i>	-7.51	
		<i>For Work In Restricted Working Space, Add</i>	4.62	
27 05 29 00-0037	EA	Up To 1/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	48.52	5.08
		<i>For &gt;50 To 100, Deduct</i>	-1.60	
		<i>For &gt;100 To 250, Deduct</i>	-3.20	
		<i>For &gt;250 To 500, Deduct</i>	-5.57	
		<i>For &gt;500, Deduct</i>	-7.93	
		<i>For Work In Restricted Working Space, Add</i>	4.62	
27 05 29 00-0038	EA	>1/4" To 3/4" Flange, Hammer On Flange Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	43.30	5.08
		<i>For &gt;50 To 100, Deduct</i>	-1.47	
		<i>For &gt;100 To 250, Deduct</i>	-2.94	
		<i>For &gt;250 To 500, Deduct</i>	-5.17	
		<i>For &gt;500, Deduct</i>	-7.41	
		<i>For Work In Restricted Working Space, Add</i>	4.62	
27 05 29 00-0039	EA	Up To 1/2" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	45.28	5.08
		<i>For &gt;50 To 100, Deduct</i>	-1.52	
		<i>For &gt;100 To 250, Deduct</i>	-3.03	
		<i>For &gt;250 To 500, Deduct</i>	-5.32	
		<i>For &gt;500, Deduct</i>	-7.61	
		<i>For Work In Restricted Working Space, Add</i>	4.62	
27 05 29 00-0040	EA	>1/2" To 5/8" Flange, Beam Clamp, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	47.23	5.08
		<i>For &gt;50 To 100, Deduct</i>	-1.57	
		<i>For &gt;100 To 250, Deduct</i>	-3.13	
		<i>For &gt;250 To 500, Deduct</i>	-5.47	
		<i>For &gt;500, Deduct</i>	-7.81	
		<i>For Work In Restricted Working Space, Add</i>	4.62	
27 05 29 00-0041	EA	Up To 1/4" Flange, Hammer On Purlin Clip, 4" To 6" Diameter Loop, Adjustable Cable Support (Caddy® CableCat CAT425) .....	44.61	5.08
		<i>For &gt;50 To 100, Deduct</i>	-1.50	
		<i>For &gt;100 To 250, Deduct</i>	-3.00	
		<i>For &gt;250 To 500, Deduct</i>	-5.27	
		<i>For &gt;500, Deduct</i>	-7.54	
		<i>For Work In Restricted Working Space, Add</i>	4.62	

**27 05 33 Conduits and Backboxes for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 33 00-0000 for conduit and boxes.

**27 05 39 Surface Raceways for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 33 00-0000 for surface raceways.

**27 05 43 Underground Ducts and Raceways for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 43 00-0000 for underground ducts and raceways.

**27 05 46 Utility Poles for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 46 00-0000 for utility poles.

**27 05 53 Identification for Communications Systems** <sup>(27 05)</sup>

See CSI section 26 05 53 00-0000 for identification.

**27 10 Structured Cabling** <sup>(27)</sup>

Note: Includes identifying, tagging and testing.

**27 11 Communications Equipment Room Fittings** <sup>(27 10)</sup>**27 11 16 Communications Cabinets, Racks, Frames, and Enclosures** <sup>(27 11)</sup>**27 11 16 00-0001 3/4" Fire Retardant Plywood Backboards** <sup>(27 11 16)</sup>

27 11 16 00-0002	EA	4' x 4' x 3/4" Fire Retardant Plywood Backboard .....	119.35	40.07
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	62.19	
27 11 16 00-0003	EA	4' x 8' x 3/4" Fire Retardant Plywood Backboard .....	238.70	80.16
		<i>For Two Coats Of Non-Conductive, Fire Retardant Paint, Add</i>	124.38	

**27 11 16 00-0004 Terminal Cabinets** <sup>(27 11 16)</sup>

27 11 16 00-0005	EA	12" x 12" x 4" Phone Terminal Cabinet With Wood Backboard .....	439.21	115.61
27 11 16 00-0006	EA	18" x 12" x 4" Phone Terminal Cabinet With Wood Backboard .....	551.47	127.17
27 11 16 00-0007	EA	24" x 12" x 4" Phone Terminal Cabinet With Wood Backboard .....	634.58	146.44
27 11 16 00-0008	EA	18" x 18" x 4" Phone Terminal Cabinet With Wood Backboard .....	658.46	150.29
27 11 16 00-0009	EA	24" x 18" x 4" Phone Terminal Cabinet With Wood Backboard .....	799.91	154.14
27 11 16 00-0010	EA	26" x 36" x 4" Phone Terminal Cabinet With Wood Backboard .....	987.19	173.41
27 11 16 00-0011	EA	24" x 24" x 6" Phone Terminal Cabinet With Wood Backboard .....	1,009.19	169.56

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0012 EA 30" x 24" x 6" Phone Terminal Cabinet With Wood Backboard .....	1,300.65	241.55
27 11 16 00-0013 EA 36" x 24" x 6" Phone Terminal Cabinet With Wood Backboard .....	1,392.65	265.44
27 11 16 00-0014 EA 42" x 24" x 6" Phone Terminal Cabinet With Wood Backboard .....	1,675.28	280.39
27 11 16 00-0015 EA 30" x 30" x 6" Phone Terminal Cabinet With Wood Backboard .....	1,383.60	231.21
27 11 16 00-0016 EA 36" x 30" x 6" Phone Terminal Cabinet With Wood Backboard .....	1,496.42	250.48
27 11 16 00-0017 EA 48" x 30" x 6" Phone Terminal Cabinet With Wood Backboard .....	1,867.19	321.09
27 11 16 00-0018 EA 54" x 30" x 6" Phone Terminal Cabinet With Wood Backboard .....	2,244.91	401.40
27 11 16 00-0019 EA 48" x 36" x 6" Phone Terminal Cabinet With Wood Backboard .....	2,535.27	396.92
27 11 16 00-0020 EA 60" x 36" x 6" Phone Terminal Cabinet With Wood Backboard .....	2,916.87	482.94
<b>27 11 16 00-0021 Equipment Racks And Cable Managers (27 11 16)</b>		
<b>27 11 16 00-0022 Equipment Racks (27 11 16 00-0021)</b>		
Note: Electronics Industries Association EIA-310-D compliant. Includes aluminum construction with clear grained aluminum or black epoxy-polyester hybrid powder coat finish.		
<b>27 11 16 00-0023 Standard Equipment Racks (27 11 16 00-0022)</b>		
<b>27 11 16 00-0024 19" Width, Standard Equipment Racks (27 11 16 00-0023)</b>		
27 11 16 00-0025 EA 84" Height, 19" Width, 3" Depth, 45U, Standard Equipment Rack (Chatsworth 55053-X03).....	695.65	246.63
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	10.12	
27 11 16 00-0026 EA 96" Height, 19" Width, 3" Depth, 51U, Standard Equipment Rack (Chatsworth 55053-X15).....	923.46	262.04
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.97	
27 11 16 00-0027 EA 108" Height, 19" Width, 3" Depth, 58U, Standard Equipment Rack (Chatsworth 55053-X08).....	994.61	277.46
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	21.98	
<b>27 11 16 00-0028 Universal Equipment Racks (27 11 16 00-0022)</b>		
<b>27 11 16 00-0029 Universal Equipment Racks (27 11 16 00-0028)</b>		
<b>27 11 16 00-0030 19" Width, EIA Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0031 EA 36" Height, 19" Width, 3" Depth, 17U, EIA Universal Equipment Rack (Chatsworth 46353-X31).....	850.11	215.80
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	20.93	
27 11 16 00-0032 EA 48" Height, 19" Width, 3" Depth, 24U, EIA Universal Equipment Rack (Chatsworth 46353-X20).....	920.52	219.65
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.06	
27 11 16 00-0033 EA 60" Height, 19" Width, 3" Depth, 31U, EIA Universal Equipment Rack (Chatsworth 46353-X19).....	921.48	223.51
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.72	
27 11 16 00-0034 EA 66" Height, 19" Width, 3" Depth, 34U, EIA Universal Equipment Rack (Chatsworth 46353-X00).....	944.16	227.36
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.47	
27 11 16 00-0035 EA 72" Height, 19" Width, 3" Depth, 38U, EIA Universal Equipment Rack (Chatsworth 46353-X01).....	966.62	231.21
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.21	
27 11 16 00-0036 EA 78" Height, 19" Width, 3" Depth, 41U, EIA Universal Equipment Rack (Chatsworth 46353-X02).....	990.77	235.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.03	
27 11 16 00-0037 EA 84" Height, 19" Width, 3" Depth, 45U, EIA Universal Equipment Rack (Chatsworth 46353-X03).....	864.34	238.92
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	19.32	
27 11 16 00-0038 EA 90" Height, 19" Width, 3" Depth, 48U, EIA Universal Equipment Rack (Chatsworth 46353-X05).....	1,037.81	242.77
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.61	
27 11 16 00-0039 EA 96" Height, 19" Width, 3" Depth, 51U, EIA Universal Equipment Rack (Chatsworth 46353-X15).....	1,072.07	246.63
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.94	
27 11 16 00-0040 EA 102" Height, 19" Width, 3" Depth, 55U, EIA Universal Equipment Rack (Chatsworth 46353-X17).....	1,102.23	250.48
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.06	
27 11 16 00-0041 EA 108" Height, 19" Width, 3" Depth, 58U, EIA Universal Equipment Rack (Chatsworth 46353-X08).....	1,111.08	254.34
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.12	
<b>27 11 16 00-0042 23" Width, Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0043 EA 36" Height, 23" Width, 3" Depth, 17U, Universal Equipment Rack (Chatsworth 46383-X31) .....	893.05	215.80
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	23.07	
27 11 16 00-0044 EA 48" Height, 23" Width, 3" Depth, 24U, Universal Equipment Rack (Chatsworth 46383-X20) .....	922.12	219.65
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	24.14	
27 11 16 00-0045 EA 60" Height, 23" Width, 3" Depth, 31U, Universal Equipment Rack (Chatsworth 46383-X19) .....	947.92	223.51
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	25.05	
27 11 16 00-0046 EA 66" Height, 23" Width, 3" Depth, 34U, Universal Equipment Rack (Chatsworth 46383-X00) .....	994.46	227.36
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	26.99	
27 11 16 00-0047 EA 72" Height, 23" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46383-X01) .....	1,018.40	231.21
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	27.80	
27 11 16 00-0048 EA 78" Height, 23" Width, 3" Depth, 41U, Universal Equipment Rack (Chatsworth 46383-X02) .....	1,044.27	235.07
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	28.71	
27 11 16 00-0049 EA 84" Height, 23" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46383-X03) .....	918.45	238.92
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	22.03	
27 11 16 00-0050 EA 90" Height, 23" Width, 3" Depth, 48U, Universal Equipment Rack (Chatsworth 46383-X05) .....	1,094.58	242.77
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	30.45	
27 11 16 00-0051 EA 96" Height, 23" Width, 3" Depth, 51U, Universal Equipment Rack (Chatsworth 46383-X15) .....	1,131.53	246.63
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	31.91	
27 11 16 00-0052 EA 102" Height, 23" Width, 3" Depth, 55U, Universal Equipment Rack (Chatsworth 46383-X17) .....	1,164.04	250.48
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	33.15	
27 11 16 00-0053 EA 108" Height, 23" Width, 3" Depth, 58U, Universal Equipment Rack (Chatsworth 46383-X08) .....	1,172.98	254.34
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	33.22	
<b>27 11 16 00-0054 35" Width, Universal Equipment Racks (27 11 16 00-0029)</b>		
27 11 16 00-0055 EA 72" Height, 35" Width, 3" Depth, 38U, Universal Equipment Rack (Chatsworth 46363-X01) .....	1,091.20	231.21
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	31.44	
27 11 16 00-0056 EA 84" Height, 35" Width, 3" Depth, 45U, Universal Equipment Rack (Chatsworth 46363-X03) .....	1,146.73	238.92
For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add	33.44	



**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 16 00-0057			<b>UL Listed Universal Equipment Racks</b> (27 11 16 00-0028) Note: UL listed as a communications circuit accessory.		
27 11 16 00-0058			<b>19" Width, UL Listed Universal Equipment Racks</b> (27 11 16 00-0057)		
27 11 16 00-0059	EA		36" Height, 19" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48353-X31) .....	891.97	215.80
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	23.02	
27 11 16 00-0060	EA		48" Height, 19" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48353-X20) .....	957.15	219.65
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.89	
27 11 16 00-0061	EA		60" Height, 19" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48353-X19) .....	972.06	223.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.25	
27 11 16 00-0062	EA		66" Height, 19" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48353-X00) .....	993.14	227.36
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	26.92	
27 11 16 00-0063	EA		72" Height, 19" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48353-X01) .....	1,017.03	231.21
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	27.73	
27 11 16 00-0064	EA		78" Height, 19" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48353-X02) .....	1,042.83	235.07
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	28.63	
27 11 16 00-0065	EA		84" Height, 19" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48353-X03) .....	1,067.68	238.92
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.49	
27 11 16 00-0066	EA		90" Height, 19" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48353-X05) .....	1,093.06	242.77
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.38	
27 11 16 00-0067	EA		96" Height, 19" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48353-X15) .....	1,129.97	246.63
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.84	
27 11 16 00-0068	EA		102" Height, 19" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48353-X17) .....	1,162.40	250.48
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	33.07	
27 11 16 00-0069	EA		108" Height, 19" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48353-X08) .....	1,171.27	254.34
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	33.13	
27 11 16 00-0070			<b>23" Width, UL Listed Universal Equipment Racks</b> (27 11 16 00-0057)		
27 11 16 00-0071	EA		36" Height, 23" Width, 3" Depth, 17U, UL Listed Universal Equipment Rack (Chatsworth 48383-X31) .....	939.25	215.80
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	25.38	
27 11 16 00-0072	EA		48" Height, 23" Width, 3" Depth, 24U, UL Listed Universal Equipment Rack (Chatsworth 48383-X20) .....	1,021.27	219.65
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.10	
27 11 16 00-0073	EA		60" Height, 23" Width, 3" Depth, 31U, UL Listed Universal Equipment Rack (Chatsworth 48383-X19) .....	1,034.82	223.51
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.39	
27 11 16 00-0074	EA		66" Height, 23" Width, 3" Depth, 34U, UL Listed Universal Equipment Rack (Chatsworth 48383-X00) .....	1,048.42	227.36
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	29.68	
27 11 16 00-0075	EA		72" Height, 23" Width, 3" Depth, 38U, UL Listed Universal Equipment Rack (Chatsworth 48383-X01) .....	1,073.99	231.21
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	30.58	
27 11 16 00-0076	EA		78" Height, 23" Width, 3" Depth, 41U, UL Listed Universal Equipment Rack (Chatsworth 48383-X02) .....	1,101.68	235.07
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	31.58	
27 11 16 00-0077	EA		84" Height, 23" Width, 3" Depth, 45U, UL Listed Universal Equipment Rack (Chatsworth 48383-X03) .....	1,128.27	238.92
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	32.52	
27 11 16 00-0078	EA		90" Height, 23" Width, 3" Depth, 48U, UL Listed Universal Equipment Rack (Chatsworth 48383-X05) .....	1,155.46	242.77
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	33.50	
27 11 16 00-0079	EA		96" Height, 23" Width, 3" Depth, 51U, UL Listed Universal Equipment Rack (Chatsworth 48383-X15) .....	1,195.34	246.63
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	35.10	
27 11 16 00-0080	EA		102" Height, 23" Width, 3" Depth, 55U, UL Listed Universal Equipment Rack (Chatsworth 48383-X17) .....	1,230.35	250.48
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	36.47	
27 11 16 00-0081	EA		108" Height, 23" Width, 3" Depth, 58U, UL Listed Universal Equipment Rack (Chatsworth 48383-X08) .....	1,239.51	254.34
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	36.54	
27 11 16 00-0082			<b>4-Post Equipment Racks And Server Frames</b> (27 11 16 00-0022)		
27 11 16 00-0083			<b>4-Post Equipment Racks</b> (27 11 16 00-0082)		
27 11 16 00-0084	EA		19" Width, 29" Depth, 84" Height, 4-Post Equipment Rack (Chatsworth 50120-X03) .....	1,776.46	385.36
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	50.29	
27 11 16 00-0085	EA		19" Width, 29" Depth, 96" Height, 4-Post Equipment Rack (Chatsworth 50120-X15) .....	1,929.35	400.77
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	56.39	
27 11 16 00-0086	EA		19" Width, 29" Depth, 108" Height, 4-Post Equipment Rack (Chatsworth 50120-X08) .....	2,074.01	416.20
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	62.08	
27 11 16 00-0087			<b>4-Post Server Frame</b> (27 11 16 00-0082)		
27 11 16 00-0088	EA		19" Width, 29" Depth, 84" Height, Server Frame (Chatsworth 15053-X03) .....	1,820.69	385.36
			<i>For Gray Or Computer Beige Epoxy-Polyester Hybrid Powder Coat Finish, Add</i>	52.50	
27 11 16 00-0089			<b>Cable Managers</b> (27 11 16 00-0021)		
27 11 16 00-0090			<b>Horizontal Cable Managers</b> (27 11 16 00-0089)		
27 11 16 00-0091			<b>Single-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
27 11 16 00-0092	EA		1U Height, 19" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-719) .....	99.28	15.41
27 11 16 00-0093	EA		1U Height, 23" Width, 4.96" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30139-723) .....	109.66	15.41
27 11 16 00-0094	EA		1U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-701) .....	84.18	15.41
27 11 16 00-0095	EA		2U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-719) .....	100.84	15.41
27 11 16 00-0096	EA		2U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30130-723) .....	116.91	15.41
27 11 16 00-0097	EA		2U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-702) .....	92.39	15.41
27 11 16 00-0098	EA		3U Height, 19" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-719) .....	133.22	15.41
27 11 16 00-0099	EA		3U Height, 23" Width, 5.14" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 30131-723) .....	150.56	15.41
27 11 16 00-0100	EA		3U Height, 19" Width, 5.9" Depth, Single-Sided, Horizontal Cable Manager (Chatsworth 13930-703) .....	108.80	15.41
27 11 16 00-0101			<b>Double-Sided, Horizontal Cable Managers</b> (27 11 16 00-0090)		
27 11 16 00-0102	EA		1U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-719) .....	121.40	15.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 11 16 00-0103	EA	1U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30529-723)	135.09		15.41
27 11 16 00-0104	EA	2U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-719)	127.33		15.41
27 11 16 00-0105	EA	2U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30530-723)	146.93		15.41
27 11 16 00-0106	EA	3U Height, 19" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-719)	162.46		15.41
27 11 16 00-0107	EA	3U Height, 23" Width, 11.73" Depth, Double-Sided, Horizontal Cable Manager (Chatsworth 30531-723)	180.99		15.41

**27 11 16 00-0108 Vertical Cable Managers** (27 11 16 00-0089)

**27 11 16 00-0109 Single-Sided, Vertical Cable Managers** (27 11 16 00-0108)

27 11 16 00-0110	EA	3.6" Width, 9.7" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-701)	216.55		23.12
27 11 16 00-0111	EA	6" Width, 9.8" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-701)	300.67		23.12
27 11 16 00-0112	EA	10" Width, 10.3" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-701)	477.14		23.12
27 11 16 00-0113	EA	12" Width, 10.4" Depth, 70" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-701)	538.69		23.12
27 11 16 00-0114	EA	3.6" Width, 9.7" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-703)	230.91		23.12
27 11 16 00-0115	EA	6" Width, 9.8" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-703)	323.24		23.12
27 11 16 00-0116	EA	10" Width, 10.3" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-703)	518.17		23.12
27 11 16 00-0117	EA	12" Width, 10.4" Depth, 80.5" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-703)	579.73		23.12
27 11 16 00-0118	EA	3.6" Width, 9.7" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13901-715)	259.64		23.12
27 11 16 00-0119	EA	6" Width, 9.8" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13902-715)	354.02		23.12
27 11 16 00-0120	EA	10" Width, 10.3" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13904-715)	579.73		23.12
27 11 16 00-0121	EA	12" Width, 10.4" Depth, 91" Height, Single-Sided, Vertical Cable Manager (Chatsworth 13905-715)	641.29		23.12

**27 11 16 00-0122 Double-Sided, Vertical Cable Managers** (27 11 16 00-0108)

27 11 16 00-0123	EA	3.6" Width, 16.4" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-701)	308.88		23.12
27 11 16 00-0124	EA	6" Width, 16.6" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-701)	362.23		23.12
27 11 16 00-0125	EA	10" Width, 17.5" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-701)	579.73		23.12
27 11 16 00-0126	EA	12" Width, 17.8" Depth, 70" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-701)	682.32		23.12
27 11 16 00-0127	EA	3.6" Width, 16.4" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-703)	333.50		23.12
27 11 16 00-0128	EA	6" Width, 16.6" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-703)	386.85		23.12
27 11 16 00-0129	EA	10" Width, 17.5" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-703)	620.77		23.12
27 11 16 00-0130	EA	12" Width, 17.8" Depth, 80.5" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-703)	723.36		23.12
27 11 16 00-0131	EA	3.6" Width, 16.4" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13911-715)	366.33		23.12
27 11 16 00-0132	EA	6" Width, 16.6" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13912-715)	419.68		23.12
27 11 16 00-0133	EA	10" Width, 17.5" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13914-715)	682.32		23.12
27 11 16 00-0134	EA	12" Width, 17.8" Depth, 91" Height, Double-Sided, Vertical Cable Manager (Chatsworth 13915-715)	784.92		23.12

**27 11 16 00-0135 Accessories For Vertical Cable Managers** (27 11 16 00-0108)

27 11 16 00-0136	EA	Cable Ring Kit For 3.6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-716)	133.42		15.41
27 11 16 00-0137	EA	Cable Ring Kit For 3.6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-717)	141.63		15.41
27 11 16 00-0138	EA	Cable Ring Kit For 3.6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-718)	149.84		15.41
27 11 16 00-0139	EA	Cable Ring Kit For 6" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-726)	137.53		15.41
27 11 16 00-0140	EA	Cable Ring Kit For 6" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-727)	149.84		15.41
27 11 16 00-0141	EA	Cable Ring Kit For 6" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-728)	162.15		15.41
27 11 16 00-0142	EA	Cable Ring Kit For 10" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-746)	153.94		15.41
27 11 16 00-0143	EA	Cable Ring Kit For 10" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-747)	166.25		15.41
27 11 16 00-0144	EA	Cable Ring Kit For 10" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-748)	178.57		15.41
27 11 16 00-0145	EA	Cable Ring Kit For 12" Width x 70" Height, Vertical Cable Managers (Chatsworth 13934-756)	162.15		15.41
27 11 16 00-0146	EA	Cable Ring Kit For 12" Width x 80.5" Height, Vertical Cable Managers (Chatsworth 13934-757)	178.57		15.41
27 11 16 00-0147	EA	Cable Ring Kit For 12" Width x 91" Height, Vertical Cable Managers (Chatsworth 13934-758)	190.88		15.41
27 11 16 00-0148	EA	Cable Lashing Bar Kit For Vertical Cable Managers (Chatsworth 13928-001)	112.91		15.41
27 11 16 00-0149	EA	Cable Spool Kit For Vertical Cable Managers (Chatsworth 13935-701)	129.32		15.41
27 11 16 00-0150	EA	Cable Distribution Spools For Vertical Cable Managers (Chatsworth 15008-001)	134.86		15.41
27 11 16 00-0151	EA	Cable Distribution Spool Spacer Kit For Vertical Cable Managers (Chatsworth 35505-001)	88.28		15.41

**27 11 19 Communications Termination Blocks and Patch Panels** (27 11)

**27 11 19 00-0001 Computer Network Components** (27 11 19)

**27 11 19 00-0002 Ethernet Patch Panels** (27 11 19 00-0001)

27 11 19 00-0003	EA	12 Port, Category 5E Patch Panel	339.12		77.07
27 11 19 00-0004	EA	24 Port, Category 5E Patch Panel	496.94		77.07
27 11 19 00-0005	EA	32 Port, Category 5E Patch Panel	646.28		77.07
27 11 19 00-0006	EA	48 Port, Category 5E Patch Panel	785.43		77.07
27 11 19 00-0007	EA	64 Port, Category 5E Patch Panel	866.46		96.34
27 11 19 00-0008	EA	96 Port, Category 5E Patch Panel	1,446.28		115.61
27 11 19 00-0009	EA	12 Port, Category 6 Patch Panel	414.97		77.07
27 11 19 00-0010	EA	24 Port, Category 6 Patch Panel	507.12		77.07
27 11 19 00-0011	EA	48 Port, Category 6 Patch Panel	860.10		77.07
27 11 19 00-0012	EA	96 Port, Category 6 Patch Panel	1,588.83		115.61
27 11 19 00-0013	EA	16" x 12" x 8" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161208LP)	831.90		115.61
27 11 19 00-0014	EA	16" x 16" x 6" Steel Enclosure, Type 12, Hinged, Lockable (Hoffman A161606LP)	878.08		115.61
27 11 19 00-0015	EA	12 Port, Category 6 Modular to 110 Mini Patch Panel (Ortronics-Legrand OR-PMP61289)	353.96		77.07
27 11 19 00-0016	EA	Terminate One End Of A 4 Pair Cable To Category "X" Specifications	54.61		

*For >5 To 10 Cables, Deduct* -9.83  
*For >10 Cables, Deduct* -21.84

27 11 19 00-0017	EA	Terminate One End Of A Twisted Pair Of Wires	15.01		
		<i>Note: Per each pair</i>			
		<i>For &gt;20 To 40 Pairs, Deduct</i>	-2.40		
		<i>For &gt;40 Pairs, Deduct</i>	-5.70		

**27 11 19 00-0018 Fiber Optic Cable Patch Panels And Enclosures** (27 11 19 00-0001)

## 27 Communications

## 27 10 Structured Cabling

## 27 11 Communications Equipment Room Fittings

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
27 11 19 00-0019		Fiber Optic Cable Connector Housings (27 11 19 00-0018)			
27 11 19 00-0020		Wall Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)			
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0021	EA	1-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	182.68		34.68
27 11 19 00-0022	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	270.88		34.68
27 11 19 00-0023	EA	4-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	401.37		34.68
27 11 19 00-0024	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	592.94		57.80
27 11 19 00-0025	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Connector Housing .....	825.26		57.80
27 11 19 00-0026		Rack Mount, Fiber Optic Cable Connector Housings (27 11 19 00-0019)			
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0027	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	616.76		57.80
27 11 19 00-0028	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	705.33		57.80
27 11 19 00-0029	EA	6-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	759.51		57.80
27 11 19 00-0030	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Connector Housing .....	890.43		57.80
27 11 19 00-0031		Rack Mount, Fiber Optic Cable Pretium® Connector Housings (27 11 19 00-0019)			
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0032	EA	2-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	768.57		57.80
		For Splice Tray Bracket, Add	82.00		
27 11 19 00-0033	EA	4-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	900.32		57.80
		For Splice Tray Bracket, Add	89.67		
27 11 19 00-0034	EA	12-Panel Capacity, Rack Mount, Fiber Optic Cable Pretium® Connector Housing .....	1,122.38		57.80
		For Splice Tray Bracket, Add	326.69		
27 11 19 00-0035		Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housings (27 11 19 00-0019)			
		Note: Includes mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0036	EA	8 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	975.87		57.80
27 11 19 00-0037	EA	12 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,247.74		57.80
27 11 19 00-0038	EA	24 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,412.54		57.80
27 11 19 00-0039	EA	48 Pretium Edge® Module Or Panel Capacity, Rack Mount, Fiber Optic Cable Pretium Edge® Connector Housing .....	1,832.86		57.80
27 11 19 00-0040		Wall Mount, Fiber Optic Cable Industrial Connector Housings (27 11 19 00-0019)			
		Note: Includes powder-coat finish, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0041	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	870.72		34.68
27 11 19 00-0042	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	1,204.48		57.80
27 11 19 00-0043	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Industrial Connector Housing .....	1,263.97		57.80
27 11 19 00-0044		Wall Mount, Fiber Optic Cable Environmental Connector Housings (27 11 19 00-0019)			
		Note: Includes NEMA 4X enclosure, pad lockable outer door and mounting hardware. Excludes connector panels. See CSI section 27 11 19 00-0048 for connector panels.			
27 11 19 00-0045	EA	2-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	911.83		34.68
27 11 19 00-0046	EA	6-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,203.76		57.80
27 11 19 00-0047	EA	12-Panel Capacity, Wall Mount, Fiber Optic Cable Environmental Connector Housing .....	1,414.22		57.80
27 11 19 00-0048		Fiber Optic Cable Connector Panels (27 11 19 00-0018)			
27 11 19 00-0049		SC Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0050	EA	6-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	119.85		7.71
27 11 19 00-0051	EA	6-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	130.06		7.71
27 11 19 00-0052	EA	8-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	145.90		7.71
27 11 19 00-0053	EA	8-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	159.51		7.71
27 11 19 00-0054	EA	12-Fiber, Multimode, SC Simplex, Fiber Optic Cable Connector Panel .....	198.06		7.71
27 11 19 00-0055	EA	12-Fiber, Singlemode, SC Simplex, Fiber Optic Cable Connector Panel .....	218.42		7.71
27 11 19 00-0056		SC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0057	EA	6-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	115.33		7.71
27 11 19 00-0058	EA	6-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	117.73		7.71
27 11 19 00-0059	EA	8-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	139.92		7.71
27 11 19 00-0060	EA	8-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	143.11		7.71
27 11 19 00-0061	EA	12-Fiber, Multimode, SC Duplex, Fiber Optic Cable Connector Panel .....	189.08		7.71
27 11 19 00-0062	EA	12-Fiber, Singlemode, SC Duplex, Fiber Optic Cable Connector Panel .....	193.83		7.71
27 11 19 00-0063		LC Duplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)			
27 11 19 00-0064	EA	6-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	124.55		7.71
27 11 19 00-0065	EA	6-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	136.57		7.71
27 11 19 00-0066	EA	8-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	152.16		7.71
27 11 19 00-0067	EA	8-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	168.21		7.71
27 11 19 00-0068	EA	12-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	207.46		7.71
27 11 19 00-0069	EA	12-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	231.50		7.71
27 11 19 00-0070	EA	16-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	262.74		7.71

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 11 19 00-0071 EA 16-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	294.78	7.71
27 11 19 00-0072 EA 24-Fiber, Multimode, LC Duplex, Fiber Optic Cable Connector Panel .....	373.27	7.71
27 11 19 00-0073 EA 24-Fiber, Singlemode, LC Duplex, Fiber Optic Cable Connector Panel .....	384.44	7.71
<b>27 11 19 00-0074 ST Simplex, Fiber Optic Cable Connector Panels (27 11 19 00-0048)</b>		
27 11 19 00-0075 EA 6-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	99.63	7.71
27 11 19 00-0076 EA 6-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	107.35	7.71
27 11 19 00-0077 EA 8-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	118.96	7.71
27 11 19 00-0078 EA 8-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	129.27	7.71
27 11 19 00-0079 EA 12-Fiber, Multimode, ST Simplex, Fiber Optic Cable Connector Panel .....	157.61	7.71
27 11 19 00-0080 EA 12-Fiber, Singlemode, ST Simplex, Fiber Optic Cable Connector Panel .....	173.08	7.71
<b>27 11 19 00-0081 MT-RJ, Fiber Optic Cable Connector Panels (27 11 19 00-0048)</b>		
27 11 19 00-0082 EA 12-Fiber, Multimode, MT-RJ, Fiber Optic Cable Connector Panel .....	123.82	7.71
27 11 19 00-0083 EA 12-Fiber, Singlemode, MT-RJ, Fiber Optic Cable Connector Panel .....	185.24	7.71
<b>27 11 19 00-0084 Fiber Optic Cable Pretium Edge® Modules (27 11 19 00-0048)</b>		
27 11 19 00-0085 EA 12-Fiber, Singlemode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module .....	1,066.39	7.71
27 11 19 00-0086 EA 12-Fiber, Multimode, LC Duplex To MTP, Fiber Optic Cable Pretium Edge® Module .....	1,070.09	7.71
<b>27 11 19 00-0087 Fiber Optic Cable Splice Housings (27 11 19 00-0018)</b>		
<b>27 11 19 00-0088 Wall Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)</b>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0089 EA 12 Splice Tray Capacity, Wall Mount, Fiber Optic Splice Housing With Locking Door .....	427.93	77.07
<b>27 11 19 00-0090 Rack Mount, Fiber Optic Cable Splice Housings (27 11 19 00-0087)</b>		
Note: Includes mounting hardware. Excludes splice trays.		
27 11 19 00-0091 EA 12 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	640.06	57.80
27 11 19 00-0092 EA 22 Splice Tray Capacity, Rack Mount, Fiber Optic Cable Splice Housing .....	649.70	57.80
<b>27 11 19 00-0093 Fiber Optic Cable Splice Trays (27 11 19 00-0087)</b>		
27 11 19 00-0094 EA Fiber Optic Cable Splice Tray .....	122.32	19.27
<b>27 11 19 00-0095 Fiber Optic Cable Jumper Management Panels (27 11 19 00-0018)</b>		
Note: Includes mounting hardware.		
27 11 19 00-0096 EA Rack Mount, Fiber Optic Cable Jumper Management Panel .....	238.02	57.80
<b>27 11 19 00-0097 Miscellaneous Accessories (27 11 19 00-0001)</b>		
27 11 19 00-0098 EA Wall Mount Bracket For 12 Or 24 Port Patch Panel .....	88.20	
27 11 19 00-0099 EA Wall Mount Bracket For 32 Or 48 Port Patch Panel .....	117.42	
27 11 19 00-0100 EA Wall Mount Bracket For 64 Or 72 Port Patch Panel .....	128.25	
27 11 19 00-0101 EA Wall Mount Bracket For 96 Port Patch Panel .....	142.92	
27 11 19 00-0102 EA Lightning Protection Plus Stainless Steel Modules, Siemon .....	570.27	77.07
<b>27 11 19 00-0103 Telephone Components (27 11 19)</b>		
<b>27 11 19 00-0104 Terminal Blocks With Wide Range Of 22-8 AWG (27 11 19 00-0103)</b>		
27 11 19 00-0105 EA Terminal Block, Circuit Isolation Switch With Wire Range 22-8 AWG .....	43.16	15.44
27 11 19 00-0106 EA Terminal Block, Fuse Holder 600 Volt, 6.3 Amperes With Wire Range 22-8 AWG .....	77.31	15.44
27 11 19 00-0107 EA Terminal Block, Fuse Holder 600 Volt, 10 Amperes With Wire Range 22-8 AWG .....	63.33	15.44
27 11 19 00-0108 EA Terminal Block, Solderless Box With Lugs And Wire Range 22-8 AWG .....	34.11	15.44
27 11 19 00-0109 EA Flat Terminal Block Connection With Wire Range 22-8 AWG .....	24.26	10.81
27 11 19 00-0110 EA Ground Terminal Block With Wire Range 22-8 AWG .....	44.64	15.44
27 11 19 00-0111 EA Terminal Block, Solderless Box With Lug 600 Volt, 60 Amperes With Wire Range 22-8 AWG .....	34.11	15.44
27 11 19 00-0112 EA Terminal Block, Mini Box Lug 300 Volt, 30 Amperes With Wire Range 22-8 AWG .....	24.04	10.81
27 11 19 00-0113 EA Flat Terminal Block Connection 300 Volt, 20 Amperes With Wire Range 22-8 AWG .....	23.89	10.81
27 11 19 00-0114 EA Self Lifting Terminal Block, 300 Volt, 40 Amperes, Wire Connection With Wire Range 22-12 AWG .....	24.57	10.81
<b>27 11 19 00-0115 Terminal Block Mounting Channel (27 11 19 00-0103)</b>		
27 11 19 00-0116 EA Terminal Block Mounting Channel, .5 M Galvanized Steel .....	22.65	7.72
27 11 19 00-0117 EA Terminal Block Mounting Channel, 1 M Galvanized Steel .....	28.54	7.72
27 11 19 00-0118 EA Terminal Block Mounting Channel, 2 M Galvanized Steel .....	38.80	7.72
27 11 19 00-0119 EA Terminal Block Mounting Channel, .5 M Bi-Chrome Zinc .....	28.62	9.26
27 11 19 00-0120 EA Terminal Block Mounting Channel, 1 M Bi-Chrome Zinc .....	38.37	9.26
27 11 19 00-0121 EA Terminal Block Mounting Channel, 2 M Bi-Chrome Zinc .....	54.25	9.26
<b>27 11 19 00-0122 Outlet Termination Hardware (27 11 19 00-0103)</b>		
27 11 19 00-0123 EA Telephone Outlet Blocks .....	41.16	7.72
27 11 19 00-0124 EA Phone Outlet Block For Floor Box .....	127.67	58.57
Note: Excludes box.		
27 11 19 00-0125 EA Fiber Optic "SC" Type Modular Bulkhead .....	106.38	34.68
27 11 19 00-0126 EA Fiber Optic "ST" Type Modular Bulkhead .....	106.38	34.68



**27 Communications****27 10 Structured Cabling****27 11 Communications Equipment Room Fittings**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 11 19 00-0127	EA	Type "F" Coaxial Connector Male.....	63.20	23.12
27 11 19 00-0128	EA	Modular Plate For 3-RJ-45, 4 - "SC" And 1 -"F" Connector .....	155.73	38.54
27 11 19 00-0129	EA	Modular Plate For 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	155.73	38.54
27 11 19 00-0130	EA	Access Floor Box With 3-RJ-45, 4 - "SC" And 1 -"F" Connector.....	185.03	38.54
27 11 19 00-0131	EA	Access Floor Box With 3-RJ-45, 4 - "ST" And 1 -"F" Connector.....	185.03	38.54
27 11 19 00-0132	EA	Access Floor Box With 2-RJ-45, 4 - "SC" And 1 -25 Pin Connector .....	169.61	38.54
27 11 19 00-0133	EA	Terminal Type - Punch Down Block 110 Type - 300 Pair Category 5 .....	1,421.75	192.68
27 11 19 00-0134	EA	Wiring (Punch Down) Block with Stand-Off Legs, 100 Pair, Category V.....	73.74	15.41
		Note: Excludes cable terminations.		
27 11 19 00-0135	EA	5-Pair, Connecting Block .....	4.54	1.54
27 11 19 00-0136	EA	4-Pair, Connecting Block .....	4.86	1.54
27 11 19 00-0137	EA	Plastic Label Holder, Transparent.....	18.52	3.85
27 11 19 00-0138	EA	Marked Label, White, 5-Pair .....	5.14	
27 11 19 00-0139	EA	Marked Label, Blue, 4-Pair .....	5.14	

**27 11 19 00-0140 Terminations in Manhole or Junction Box** (27 11 19 00-0103)

27 11 19 00-0141	EA	25 Pair Cable Termination In Manhole Or Junction Box .....	246.63	
27 11 19 00-0142	EA	50 Pair Cable Termination In Manhole Or Junction Box .....	493.27	
27 11 19 00-0143	EA	100 Pair Cable Termination In Manhole Or Junction Box .....	986.52	
27 11 19 00-0144	EA	150 Pair Cable Termination In Manhole Or Junction Box .....	1,479.79	
27 11 19 00-0145	EA	200 Pair Cable Termination In Manhole Or Junction Box .....	1,731.04	
27 11 19 00-0146	EA	300 Pair Cable Termination In Manhole Or Junction Box .....	2,595.80	
27 11 19 00-0147	EA	400 Pair Cable Termination In Manhole Or Junction Box .....	3,264.78	
27 11 19 00-0148	EA	500 Pair Cable Termination In Manhole Or Junction Box .....	4,081.74	
27 11 19 00-0149	EA	750 Pair Cable Termination In Manhole Or Junction Box .....	6,122.58	
27 11 19 00-0150	EA	1,000 Pair Cable Termination In Manhole Or Junction Box .....	7,425.08	
27 11 19 00-0151	EA	1,200 Pair Cable Termination In Manhole Or Junction Box .....	8,462.60	

**27 11 23 Communications Cable Management and Ladder Rack** (27 11)**27 11 23 00-0001 Equipment Supports** (27 11 23)

27 11 23 00-0002	EA	110 Jumper Trough (Commscope 107831133) .....	42.24	7.71
27 11 23 00-0003	LF	Velcro CMP .....	3.59	1.55
27 11 23 00-0004	EA	12" x 5'-11" Tubular Runway.....	140.39	37.00
27 11 23 00-0005	EA	12" x 9'-11" Tubular Runway.....	242.17	61.66
27 11 23 00-0006	EA	Shelf Bracket Support For Tubular Runway.....	44.55	11.56
27 11 23 00-0007	EA	Straight Clamp Hardware For Tubular Runway .....	19.84	7.71
27 11 23 00-0008	EA	Corner Clamp Hardware For Tubular Runway .....	20.94	7.71
27 11 23 00-0009	EA	90 Degree Edge Clamp Hardware For Tubular Runway.....	46.97	13.88
27 11 23 00-0010	EA	Wall Angle Assembly Hardware For 12" Wide Tubular Runway.....	98.18	23.12
27 11 23 00-0011	EA	J-Bolt Hardware For Tubular Runway.....	9.25	3.39
27 11 23 00-0012	EA	T Bracket Hardware For Tubular Runway.....	51.42	19.27

**27 13 Communications Backbone Cabling** (27 10)**27 13 13 Communications Copper Backbone Cabling** (27 13)**27 13 13 13 Communications Copper Cable Splicing and Terminations** (27 13 13)**27 13 13 13-0001 Modular Plugs For Copper Communications Cable** (27 13 13 13)

27 13 13 13-0002	EA	Modular Plug For Non Shielded Copper Communications Cable .....	37.34	
		Note: Up to 8-position/8-contact non-shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-4.61	
		For >10, Deduct	-9.23	
27 13 13 13-0003	EA	Modular Plug For Shielded Copper Communications Cable.....	42.58	
		Note: Up to 8-position/8-contact shielded modular plug for solid or stranded wire. Includes termination.		
		For >5 To 10, Deduct	-5.19	
		For >10, Deduct	-10.38	

**27 13 13 13-0004 Communications Termination Blocks** (27 13 13 13)

27 13 13 13-0005	EA	100-Pair, 110 Block With Legs.....	70.34	19.27
27 13 13 13-0006	EA	300-Pair, 110 Block With Legs.....	116.58	19.27
27 13 13 13-0007	EA	Clear Label Holder For 110 Wiring Block.....	16.31	7.71
27 13 13 13-0008	EA	4-Pair, 110C Connecting Block.....	9.11	3.85
27 13 13 13-0009	EA	5-Pair, 110C Connecting Block.....	9.28	3.85
27 13 13 13-0010	EA	100-Pair, 110 Jack Panel System.....	364.90	23.12
		Note: Includes twelve 8-pin modular jacks and mounting legs.		
27 13 13 13-0011	EA	300-Pair, 110 Jack Panel System.....	666.83	23.12
		Note: Includes twelve 8-pin modular jacks and mounting legs.		

**27 13 13 13-0012 Testing And Certification Of Copper Communications Cable** (27 13 13 13)

27 13 13 13-0013	EA	Test 1-Pair Of A Copper Communications Cable For Continuity .....	7.71	
		For >25-Pair, Deduct	-3.08	
27 13 13 13-0014	EA	Certify 1-Pair Of A Copper Communications Cable .....	11.56	
		For >25-Pair, Deduct	-4.61	
27 13 13 13-0015	EA	Certify And Document 1-Pair Of A Copper Communications Cable .....	18.50	
		For >25-Pair, Deduct	-7.38	
27 13 13 13-0016	EA	Test 4-Pair Category 5-7 Telecommunications Cable For Continuity .....	30.83	
		For >25-Pair, Deduct	-12.30	
27 13 13 13-0017	EA	Certify 4-Pair Category 5-7 Telecommunications Cable .....	46.24	
		For >25-Pair, Deduct	-18.45	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 13 13 13-0018	EA		Certify And Document 4-Pair Category 5-7 Telecommunications Cable ..... <i>For &gt;25-Pair, Deduct</i>	73.99 -29.52	
27 13 13 13-0019			<b>Building Entrance Terminals</b> <small>(27 13 13 13)</small>		
27 13 13 13-0020	EA		25 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	3,113.50	337.97
27 13 13 13-0021	EA		50 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	4,166.10	563.30
27 13 13 13-0022	EA		100 Pair Gas Protective Unit Assembly Complete With Gas Protector.....	5,909.29	901.97
<b>27 13 23</b>			<b>Communications Optical Fiber Backbone Cabling</b> <small>(27 13)</small>		
<b>27 13 23 13</b>			<b>Communications Optical Fiber Splicing and Terminations</b> <small>(27 13 23)</small>		
27 13 23 13-0001			<b>Fiber Optic Cable Splice Closures</b> <small>(27 13 23 13)</small> Note: Includes mounting hardware. Excludes splicing and splice trays.		
27 13 23 13-0002	EA		Up To 144-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure .....	1,062.30	154.14
27 13 23 13-0003	EA		Up To 144-Fiber Capacity, Underground Fiber Optic Cable Splice Closure .....	1,370.59	308.29
27 13 23 13-0004	EA		Up To 144-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	1,370.59	308.29
27 13 23 13-0005	EA		Up To 288-Fiber Capacity, Pedestal Fiber Optic Cable Splice Closure .....	1,744.55	154.14
27 13 23 13-0006	EA		Up To 288-Fiber Capacity, Underground Fiber Optic Cable Splice Closure .....	2,052.84	308.29
27 13 23 13-0007	EA		Up To 288-Fiber Capacity, Aerial Fiber Optic Cable Splice Closure.....	2,052.84	308.29
27 13 23 13-0008	EA		Splice Tray For Fiber Optic Cable Splice Closure..... Note: Up to 12-fiber, mechanical or fusion splice tray. Excludes splice.	76.55	19.27
27 13 23 13-0009			<b>Fiber Optic Cable Splicing</b> <small>(27 13 23 13)</small>		
27 13 23 13-0010	EA		Single Strand, Fusion Splice Of Fiber Optic Cable.....	46.24	
27 13 23 13-0011	EA		12-Strand Ribbon, Fusion Splice Of Fiber Optic Cable.....	154.14	
27 13 23 13-0012			<b>Fiber Optic Cable Testing</b> <small>(27 13 23 13)</small> Note: Price based on testing one wavelength. Includes all connections, terminations and other requirements to perform a test.		
27 13 23 13-0013			<b>Fiber Optic Cable Testing Using An OTDR</b> <small>(27 13 23 13-0012)</small> Note: Testing using an optical time domain reflectometer.		
27 13 23 13-0014	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test .....	30.83	
			<i>For &gt;12 To 48 Strands, Deduct</i>	-2.31	
			<i>For &gt;48 Strands, Deduct</i>	-3.08	
27 13 23 13-0015	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test .....	46.24	
			<i>For &gt;12 To 48 Strands, Deduct</i>	-3.47	
			<i>For &gt;48 Strands, Deduct</i>	-4.62	
27 13 23 13-0016	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional OTDR Test With Documentation.....	77.07	
			<i>For &gt;12 To 48 Strands, Deduct</i>	-5.78	
			<i>For &gt;48 Strands, Deduct</i>	-7.71	
27 13 23 13-0017	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional OTDR Test With Documentation .....	115.61	
			<i>For &gt;12 To 48 Strands, Deduct</i>	-8.67	
			<i>For &gt;48 Strands, Deduct</i>	-11.56	
27 13 23 13-0018			<b>Fiber Optic Cable Testing Using A Power Meter</b> <small>(27 13 23 13-0012)</small>		
27 13 23 13-0019	EA		Test 1-Strand Of Fiber Optic Cable Using A Single Directional Power Meter Test .....	30.83	
			<i>For &gt;12 To 48 Strands, Deduct</i>	-2.31	
			<i>For &gt;48 Strands, Deduct</i>	-3.08	
27 13 23 13-0020	EA		Test 1-Strand Of Fiber Optic Cable Using A Multi-Directional Power Meter Test.....	46.24	
			<i>For &gt;12 To 48 Strands, Deduct</i>	-3.47	
			<i>For &gt;48 Strands, Deduct</i>	-4.62	
27 13 23 13-0021			<b>Fiber Optic Cable Light Source/Continuity Testing</b> <small>(27 13 23 13-0012)</small>		
27 13 23 13-0022	EA		Test 1-Strand Of Fiber Optic Cable Using A Light Source/Continuity Test.....	30.83	
			<i>For &gt;12 To 48 Strands, Deduct</i>	-2.31	
			<i>For &gt;48 Strands, Deduct</i>	-3.08	
27 13 23 13-0023			<b>Other Fiber Optic Cable Splicing</b> <small>(27 13 23 13)</small>		
27 13 23 13-0024	EA		Fiber Optic Finger Splice .....	51.30	28.98
27 13 23 13-0025	EA		Fiber Optic Splice Box - Manholes.....	7,257.08	
27 13 23 13-0026			<b>Fiber Optic Cable Fan Out Kits</b> <small>(27 13 23 13)</small>		
27 13 23 13-0027			<b>Buffer Tube Fan Out Kits For Fiber Optic Cable</b> <small>(27 13 23 13-0026)</small>		
27 13 23 13-0028	EA		6-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable .....	330.16	
27 13 23 13-0029	EA		12-Fiber, Indoor Buffer Tube Fan Out Kit For Fiber Optic Cable .....	334.34	
27 13 23 13-0030	EA		6-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	369.62	
27 13 23 13-0031	EA		12-Fiber, Outdoor Buffer Tube Fan Out Kit For Fiber Optic Cable.....	396.08	
27 13 23 13-0032			<b>Spider Fan Out Kits For Fiber Optic Cable</b> <small>(27 13 23 13-0026)</small> Note: For tight buffered or loose tube non-armored cables. Includes aramid yarn strength member, outer protective PVDF jacket and one meter fan out lengths.		
27 13 23 13-0033	EA		6-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	381.62	
27 13 23 13-0034	EA		12-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	409.65	
27 13 23 13-0035	EA		18-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	600.46	
27 13 23 13-0036	EA		24-Fiber, Spider Fan Out Kit For Fiber Optic Cable.....	782.64	

**27 Communications****27 10 Structured Cabling****27 13 Communications Backbone Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**27 15 Communications Horizontal Cabling** (27 10)**27 15 01 Communications Horizontal Cabling Applications** (27 15)**27 15 01 13 Video Surveillance Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

**27 15 01 15 Access Control Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

**27 15 01 16 Voice Communications Horizontal Cabling** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables.

**27 15 01 17 Intrusion Detection Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc. See CSI section 26 05 19 00-0000 for low-voltage electrical power cable, 26 05 23 00-0000 for control-voltage electrical power cable, 27 13 00 00-0000 for conductors and cables, 27 15 01 19-0000 for Type FPLP Cable.

**27 15 01 19 Fire Alarm Communications Conductors and Cables** (27 15 01)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 01 19-0001 Fire Alarm/Life Safety Cable (27 15 01 19)27 15 01 19-0002 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable (27 15 01 19-0001)27 15 01 19-0003 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0002)

27 15 01 19-0004	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,318.75	1,048.80
27 15 01 19-0005	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,760.39	1,086.72
27 15 01 19-0006	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,642.40	1,192.16
27 15 01 19-0007	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,338.69	1,234.70
27 15 01 19-0008	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,020.65	1,334.59
27 15 01 19-0009	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	4,006.95	1,382.67
27 15 01 19-0010	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,790.07	1,526.03
27 15 01 19-0011	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	5,313.76	1,580.44

27 15 01 19-0012 Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed (27 15 01 19-0002)

27 15 01 19-0013	MLF	1-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,066.75	2,097.91
27 15 01 19-0014	MLF	2-Pair, 18 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,571.59	2,173.44
27 15 01 19-0015	MLF	1-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,629.33	2,384.62
27 15 01 19-0016	MLF	2-Pair, 16 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,396.51	2,469.40
27 15 01 19-0017	MLF	1-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,244.96	2,669.79
27 15 01 19-0018	MLF	2-Pair, 14 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	6,311.42	2,765.36
27 15 01 19-0019	MLF	1-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	6,333.45	3,052.07
27 15 01 19-0020	MLF	2-Pair, 12 AWG, Twisted Pair, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	7,948.10	3,161.50

27 15 01 19-0021 Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit (27 15 01 19-0001)

27 15 01 19-0022	MLF	2 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,554.61	858.28
27 15 01 19-0023	MLF	4 Conductors, #22 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,664.14	888.80
27 15 01 19-0024	MLF	2 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,893.28	1,048.80
27 15 01 19-0025	MLF	3 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,997.46	1,067.76

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01 19-0026 MLF 4 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,063.56	1,086.72
27 15 01 19-0027 MLF 6 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,267.43	1,124.64
27 15 01 19-0028 MLF 8 Conductors, #18 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,552.83	1,162.56
27 15 01 19-0029 MLF 2 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,195.24	1,192.16
27 15 01 19-0030 MLF 4 Conductors, #16 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,422.96	1,234.70
27 15 01 19-0031 MLF 2 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,522.87	1,334.59
27 15 01 19-0032 MLF 4 Conductors, #14 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,870.61	1,382.67
27 15 01 19-0033 MLF 2 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,034.51	1,526.03
27 15 01 19-0034 MLF 4 Conductors, #12 AWG, Shielded, Non-Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,585.37	1,580.44
<b>27 15 01 19-0035 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
<b>27 15 01 19-0036 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0035)</small>		
27 15 01 19-0037 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,544.84	858.28
27 15 01 19-0038 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,886.94	1,048.80
27 15 01 19-0039 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,058.81	1,067.76
27 15 01 19-0040 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,080.54	1,086.72
27 15 01 19-0041 MLF 6/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,356.09	1,124.64
27 15 01 19-0042 MLF 2/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,185.65	1,192.16
27 15 01 19-0043 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,444.48	1,234.70
27 15 01 19-0044 MLF 2/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,479.70	1,334.59
27 15 01 19-0045 MLF 4/c #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,042.19	1,382.67
27 15 01 19-0046 MLF 2/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,020.40	1,526.03
27 15 01 19-0047 MLF 4/c #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,845.85	1,580.44
<b>27 15 01 19-0048 Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> <small>(27 15 01 19-0035)</small>		
27 15 01 19-0049 MLF 2/c #22 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,975.31	1,717.17
27 15 01 19-0050 MLF 2/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,634.94	2,097.91
27 15 01 19-0051 MLF 3/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,837.64	2,134.91
27 15 01 19-0052 MLF 4/c #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,891.74	2,173.44
27 15 01 19-0053 MLF 6 Conductors, #18 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,230.48	2,248.97
27 15 01 19-0054 MLF 2 Conductors, #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,172.58	2,384.62
27 15 01 19-0055 MLF 4/c #16 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,502.30	2,469.40
27 15 01 19-0056 MLF 2 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,704.01	2,669.79
27 15 01 19-0057 MLF 4 Conductors, #14 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,346.66	2,765.36
27 15 01 19-0058 MLF 2 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,563.78	3,052.07
27 15 01 19-0059 MLF 4 Conductors, #12 AWG, Non-Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	6,480.19	3,161.50
<b>27 15 01 19-0060 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable</b> <small>(27 15 01 19-0001)</small>		
<b>27 15 01 19-0061 Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> <small>(27 15 01 19-0060)</small>		
27 15 01 19-0062 MLF 2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,585.06	858.28
27 15 01 19-0063 MLF 2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,915.66	1,048.80
27 15 01 19-0064 MLF 3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,165.43	1,067.76

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 01	19-0065	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,109.94	1,086.72
27 15 01	19-0066	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,386.15	1,124.64
27 15 01	19-0067	MLF	2 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,251.66	1,192.16
27 15 01	19-0068	MLF	4 Conductors, #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,475.01	1,234.70
27 15 01	19-0069	MLF	2 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,622.07	1,334.59
27 15 01	19-0070	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,970.80	1,382.67
27 15 01	19-0071	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,125.76	1,526.03
27 15 01	19-0072	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,629.10	1,580.44
27 15 01	19-0073		<b>Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> (27 15 01 19-0060)		
27 15 01	19-0074	MLF	2 Conductors, #22 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,015.53	1,717.17
27 15 01	19-0075	MLF	2 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,663.66	2,097.91
27 15 01	19-0076	MLF	3 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,944.26	2,134.91
27 15 01	19-0077	MLF	4 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,921.14	2,173.44
27 15 01	19-0078	MLF	6 Conductors, #18 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,260.54	2,248.97
27 15 01	19-0079	MLF	2/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,238.59	2,384.62
27 15 01	19-0080	MLF	4/c #16 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,532.83	2,469.40
27 15 01	19-0081	MLF	2/c #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,846.38	2,669.79
27 15 01	19-0082	MLF	4 Conductors, #14 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,275.27	2,765.36
27 15 01	19-0083	MLF	2 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,669.14	3,052.07
27 15 01	19-0084	MLF	4 Conductors, #12 AWG, Shielded, Plenum Rated, Solid Type FPLP (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	6,263.44	3,161.50
27 15 01	19-0085		<b>Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable</b> (27 15 01 19-0001)		
27 15 01	19-0086		<b>Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit</b> (27 15 01 19-0085)		
27 15 01	19-0087	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,557.60	858.28
27 15 01	19-0088	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	1,949.07	1,048.80
27 15 01	19-0089	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,080.37	1,067.76
27 15 01	19-0090	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,191.55	1,086.72
27 15 01	19-0091	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,434.04	1,124.64
27 15 01	19-0092	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,241.92	1,192.16
27 15 01	19-0093	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,569.98	1,234.70
27 15 01	19-0094	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	2,602.70	1,334.59
27 15 01	19-0095	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,181.77	1,382.67
27 15 01	19-0096	MLF	2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed In Conduit.....	3,101.06	1,526.03
27 15 01	19-0097		<b>Non-Shielded, Riser Rated, FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed</b> (27 15 01 19-0085)		
27 15 01	19-0098	MLF	2 Conductors, #22 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	2,988.07	1,717.17
27 15 01	19-0099	MLF	2 Conductors, #18 AWG, Non-Shielded, Riser Rated, Solid Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,697.07	2,097.91
27 15 01	19-0100	MLF	3 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	3,859.20	2,134.91
27 15 01	19-0101	MLF	4 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,002.75	2,173.44
27 15 01	19-0102	MLF	6 Conductors, #18 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,308.43	2,248.97
27 15 01	19-0103	MLF	2 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,228.85	2,384.62
27 15 01	19-0104	MLF	4 Conductors, #16 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,627.80	2,469.40
27 15 01	19-0105	MLF	2 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	4,827.01	2,669.79
27 15 01	19-0106	MLF	4 Conductors, #14 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed.....	5,486.24	2,765.36



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 01 19-0107	MLF 2 Conductors, #12 AWG, Non-Shielded, Riser Rated, Stranded Type FPLR (Red), Fire Alarm/Life Safety Cable, Installed Exposed .....	5,644.44	3,052.07
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**27 15 13 Communications Copper Horizontal Cabling (27 15)**

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

27 15 13 00-0001	Copper Telecommunications Cable (27 15 13)		
27 15 13 00-0002	Indoor Telecommunications Cable (27 15 13 00-0001) Note: Shielded twisted pair cables (STP) includes a metallic foil wrap. Un-shielded twisted pair cables (UTP) excludes any shielding.		
27 15 13 00-0003	Category 3, Indoor Telecommunications Cable (27 15 13 00-0002) Note: Un-shielded twisted pair cables (UTP).		
27 15 13 00-0004	Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0003)		
27 15 13 00-0005	24 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)		
27 15 13 00-0006	24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0005)		
27 15 13 00-0007	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,188.83	647.41
27 15 13 00-0008	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,235.70	647.41
27 15 13 00-0009	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,252.27	647.41
27 15 13 00-0010	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,499.67	739.90
27 15 13 00-0011	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,844.69	739.90
27 15 13 00-0012	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	2,392.51	739.90
27 15 13 00-0013	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	3,736.57	924.87
27 15 13 00-0014	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	6,698.60	1,479.79
27 15 13 00-0015	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	8,966.34	1,664.76
27 15 13 00-0016	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	11,802.28	1,849.73
27 15 13 00-0017	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	17,226.95	2,589.63
27 15 13 00-0018	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	22,519.91	3,200.04
27 15 13 00-0019	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	35,491.81	4,439.36
27 15 13 00-0020	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	58,158.58	8,878.73
27 15 13 00-0021	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	79,451.20	13,318.10

**27 15 13 00-0022 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed (27 15 13 00-0005)**

27 15 13 00-0023	MLF 2-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,267.85	1,294.82
	<i>For Work In Restricted Working Space, Add</i>	<i>647.41</i>	
27 15 13 00-0024	MLF 3-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,314.72	1,294.82
	<i>For Work In Restricted Working Space, Add</i>	<i>647.41</i>	
27 15 13 00-0025	MLF 4-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,331.29	1,294.82
	<i>For Work In Restricted Working Space, Add</i>	<i>647.41</i>	
27 15 13 00-0026	MLF 6-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,424.54	1,294.82
	<i>For Work In Restricted Working Space, Add</i>	<i>647.41</i>	
27 15 13 00-0027	MLF 12-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,769.56	1,294.82
	<i>For Work In Restricted Working Space, Add</i>	<i>647.41</i>	
27 15 13 00-0028	MLF 25-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	3,625.66	1,479.79
	<i>For Work In Restricted Working Space, Add</i>	<i>739.89</i>	
27 15 13 00-0029	MLF 50-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	5,278.02	1,849.73
	<i>For Work In Restricted Working Space, Add</i>	<i>924.87</i>	
27 15 13 00-0030	MLF 100-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	7,931.77	2,219.69
	<i>For Work In Restricted Working Space, Add</i>	<i>1,109.84</i>	
27 15 13 00-0031	MLF 150-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	10,353.65	2,497.14
	<i>For Work In Restricted Working Space, Add</i>	<i>1,248.57</i>	
27 15 13 00-0032	MLF 200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	13,343.72	2,774.60
	<i>For Work In Restricted Working Space, Add</i>	<i>1,387.30</i>	
27 15 13 00-0033	MLF 300-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	19,384.98	3,884.45
	<i>For Work In Restricted Working Space, Add</i>	<i>1,942.22</i>	
27 15 13 00-0034	MLF 400-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	25,202.04	4,809.32
	<i>For Work In Restricted Working Space, Add</i>	<i>2,404.66</i>	
27 15 13 00-0035	MLF 600-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	39,191.29	6,659.05
	<i>For Work In Restricted Working Space, Add</i>	<i>3,329.53</i>	
27 15 13 00-0036	MLF 900-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	65,557.52	13,318.10
	<i>For Work In Restricted Working Space, Add</i>	<i>6,659.05</i>	
27 15 13 00-0037	MLF 1,200-Pair 24 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed .....	90,549.64	19,977.15
	<i>For Work In Restricted Working Space, Add</i>	<i>9,988.58</i>	

**27 15 13 00-0038 22 AWG, Category 3, Indoor Telecommunications Riser Cable (27 15 13 00-0004)**

27 15 13 00-0039	22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit (27 15 13 00-0038)		
27 15 13 00-0040	MLF 25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	3,757.00	739.90
27 15 13 00-0041	MLF 50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	5,547.72	924.87
27 15 13 00-0042	MLF 100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	10,074.76	1,479.79
27 15 13 00-0043	MLF 200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	17,682.90	1,849.73
27 15 13 00-0044	MLF 300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	25,972.32	2,589.63
27 15 13 00-0045	MLF 400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	33,783.74	3,200.04
27 15 13 00-0046	MLF 600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed In Conduit .....	50,006.94	4,439.36



**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0047			<b>22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0038)</small>		
27 15 13 00-0048	MLF		25-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	4,990.15	1,479.79
			<i>For Work In Restricted Working Space, Add</i>	739.89	
27 15 13 00-0049	MLF		50-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	7,089.17	1,849.73
			<i>For Work In Restricted Working Space, Add</i>	924.87	
27 15 13 00-0050	MLF		100-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	11,307.93	2,219.69
			<i>For Work In Restricted Working Space, Add</i>	1,109.84	
27 15 13 00-0051	MLF		200-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	19,224.34	2,774.60
			<i>For Work In Restricted Working Space, Add</i>	1,387.30	
27 15 13 00-0052	MLF		300-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	28,130.35	3,884.45
			<i>For Work In Restricted Working Space, Add</i>	1,942.22	
27 15 13 00-0053	MLF		400-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	36,465.87	4,809.32
			<i>For Work In Restricted Working Space, Add</i>	2,404.66	
27 15 13 00-0054	MLF		600-Pair 22 AWG, Category 3, Indoor Telecommunications Riser Cable, Installed Exposed.....	53,706.42	6,659.05
			<i>For Work In Restricted Working Space, Add</i>	3,329.53	
27 15 13 00-0055			<b>Category 3, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0003)</small>		
27 15 13 00-0056			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0055)</small>		
27 15 13 00-0057			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit</b> <small>(27 15 13 00-0056)</small>		
27 15 13 00-0058	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,226.74	647.41
27 15 13 00-0059	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,273.42	647.41
27 15 13 00-0060	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,308.33	647.41
27 15 13 00-0061	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,562.63	739.90
27 15 13 00-0062	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,938.71	739.90
27 15 13 00-0063	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	2,958.17	739.90
27 15 13 00-0064	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	4,888.21	924.87
27 15 13 00-0065	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	9,111.58	1,479.79
27 15 13 00-0066	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	15,583.57	1,849.73
27 15 13 00-0067	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	23,304.03	2,589.63
27 15 13 00-0068			<b>24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed</b> <small>(27 15 13 00-0056)</small>		
27 15 13 00-0069	MLF		2-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,305.76	1,294.82
			<i>For Work In Restricted Working Space, Add</i>	647.41	
27 15 13 00-0070	MLF		3-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,352.44	1,294.82
			<i>For Work In Restricted Working Space, Add</i>	647.41	
27 15 13 00-0071	MLF		4-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,387.35	1,294.82
			<i>For Work In Restricted Working Space, Add</i>	647.41	
27 15 13 00-0072	MLF		6-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,487.50	1,294.82
			<i>For Work In Restricted Working Space, Add</i>	647.41	
27 15 13 00-0073	MLF		12-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	2,863.58	1,294.82
			<i>For Work In Restricted Working Space, Add</i>	647.41	
27 15 13 00-0074	MLF		25-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	4,191.32	1,479.79
			<i>For Work In Restricted Working Space, Add</i>	739.89	
27 15 13 00-0075	MLF		50-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	6,429.66	1,849.73
			<i>For Work In Restricted Working Space, Add</i>	924.87	
27 15 13 00-0076	MLF		100-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	10,344.75	2,219.69
			<i>For Work In Restricted Working Space, Add</i>	1,109.84	
27 15 13 00-0077	MLF		200-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	17,125.01	2,774.60
			<i>For Work In Restricted Working Space, Add</i>	1,387.30	
27 15 13 00-0078	MLF		300-Pair 24 AWG, Category 3, Indoor Telecommunications Plenum Cable, Installed Exposed.....	25,462.06	3,884.45
			<i>For Work In Restricted Working Space, Add</i>	1,942.22	
27 15 13 00-0079			<b>Category 5E, Indoor Telecommunications Cable</b> <small>(27 15 13 00-0002)</small>		
27 15 13 00-0080			<b>Category 5E, Indoor Telecommunications Riser Cable</b> <small>(27 15 13 00-0079)</small>		
27 15 13 00-0081			<b>Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit</b> <small>(27 15 13 00-0080)</small>		
27 15 13 00-0082	MLF		4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,209.72	647.41
27 15 13 00-0083	MLF		4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,240.34	647.41
27 15 13 00-0084	MLF		4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,395.07	739.90
27 15 13 00-0085	MLF		4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,425.68	739.90
27 15 13 00-0086			<b>Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed</b> <small>(27 15 13 00-0080)</small>		
27 15 13 00-0087	MLF		4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,288.74	1,294.82
			<i>For Work In Restricted Working Space, Add</i>	647.41	
27 15 13 00-0088	MLF		4-Pair Stranded UTP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,319.36	1,294.82
			<i>For Work In Restricted Working Space, Add</i>	647.41	
27 15 13 00-0089	MLF		4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed .....	2,628.22	1,479.79
			<i>For Work In Restricted Working Space, Add</i>	739.89	
27 15 13 00-0090	MLF		4-Pair Stranded STP, 24 AWG, Category 5E, Indoor Telecommunications Riser Cable, Installed Exposed.....	2,658.83	1,479.79
			<i>For Work In Restricted Working Space, Add</i>	739.89	
27 15 13 00-0091			<b>Category 5E, Indoor Telecommunications Plenum Cable</b> <small>(27 15 13 00-0079)</small>		

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0092	Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0091)</small>		
27 15 13 00-0093	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,322.31	647.41
27 15 13 00-0094	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,715.69	739.90
27 15 13 00-0095	Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0091)</small>		
27 15 13 00-0096	MLF 4-Pair Solid UTP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,401.33 647.41	1,294.82
27 15 13 00-0097	MLF 4-Pair Solid STP, 24 AWG, Category 5E, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,948.84 739.89	1,479.79
27 15 13 00-0098	Category 6, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0099	Category 6, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0098)</small>		
27 15 13 00-0100	Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0099)</small>		
27 15 13 00-0101	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,392.88	647.41
27 15 13 00-0102	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed In Conduit .....	1,427.97	647.41
27 15 13 00-0103	Category 6, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0099)</small>		
27 15 13 00-0104	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,471.90 647.41	1,294.82
27 15 13 00-0105	MLF 4-Pair Stranded UTP, 23 AWG, Category 6, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,506.99 647.41	1,294.82
27 15 13 00-0106	Category 6, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0098)</small>		
27 15 13 00-0107	Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0106)</small>		
27 15 13 00-0108	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	1,629.94	647.41
27 15 13 00-0109	Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0106)</small>		
27 15 13 00-0110	MLF 4-Pair Solid UTP, 23 AWG, Category 6, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,708.96 647.41	1,294.82
27 15 13 00-0111	Category 6A, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0112	Category 6a, Indoor Telecommunications Riser Cable <small>(27 15 13 00-0111)</small>		
27 15 13 00-0113	Category 6a Indoor Telecommunications Riser Cable, Installed In Conduit <small>(27 15 13 00-0112)</small>		
27 15 13 00-0114	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed In Conduit.....	1,448.95	647.41
27 15 13 00-0115	Category 6a, Indoor Telecommunications Riser Cable, Installed Exposed <small>(27 15 13 00-0112)</small>		
27 15 13 00-0116	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Riser Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,527.97 647.41	1,294.82
27 15 13 00-0117	Category 6A, Indoor Telecommunications Plenum Cable <small>(27 15 13 00-0111)</small>		
27 15 13 00-0118	Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit <small>(27 15 13 00-0117)</small>		
27 15 13 00-0119	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed In Conduit.....	1,773.13	647.41
27 15 13 00-0120	Category 6a, Indoor Telecommunications Plenum Cable, Installed Exposed <small>(27 15 13 00-0117)</small>		
27 15 13 00-0121	MLF 4-Pair Solid UTP, 23 AWG, Category 6A, Indoor Telecommunications Plenum Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,852.15 647.41	1,294.82
27 15 13 00-0122	Category 7, Indoor Telecommunications Cable <small>(27 15 13 00-0002)</small>		
27 15 13 00-0123	Category 7, Indoor Telecommunications Cable, Installed In Conduit <small>(27 15 13 00-0122)</small>		
27 15 13 00-0124	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed In Conduit .....	2,659.31	739.90
27 15 13 00-0125	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed In Conduit .....	4,236.70	739.90
27 15 13 00-0126	Category 7, Indoor Telecommunications Cable, Installed Exposed <small>(27 15 13 00-0122)</small>		
27 15 13 00-0127	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Riser Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,892.46 739.89	1,479.79
27 15 13 00-0128	MLF 4-Pair Solid STP, 22 AWG, Category 7, Indoor Telecommunications Plenum Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	5,469.85 739.89	1,479.79

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
27 15 13 00-0129	<b>Outdoor Telecommunications Cable</b> (27 15 13 00-0001) Note: Cable buried in trench excludes excavation.		
27 15 13 00-0130	<b>PE-89 Outdoor Telecommunications Cable</b> (27 15 13 00-0129) Note: Includes foam-skin polyolefin insulated conductors.		
27 15 13 00-0131	<b>24 AWG, PE-89 Outdoor Telecommunications Cable</b> (27 15 13 00-0130)		
27 15 13 00-0132	<b>24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> (27 15 13 00-0131)		
27 15 13 00-0133	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,245.14	739.90
27 15 13 00-0134	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,673.18	1,294.82
27 15 13 00-0135	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	3,749.40	832.38
27 15 13 00-0136	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	5,660.15	924.87
27 15 13 00-0137	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	8,022.69	1,294.82
27 15 13 00-0138	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	10,080.99	1,479.79
27 15 13 00-0139	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	17,223.96	1,664.76
27 15 13 00-0140	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	25,315.66	2,404.66
27 15 13 00-0141	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	33,540.38	3,144.55
27 15 13 00-0142	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	45,549.55	4,254.39
27 15 13 00-0143	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	72,109.27	8,508.78
27 15 13 00-0144	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	98,653.38	12,578.20
27 15 13 00-0145	<b>24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> (27 15 13 00-0131)		
27 15 13 00-0146	MLF 6-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,013.92	
27 15 13 00-0147	MLF 12-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,441.96	
27 15 13 00-0148	MLF 25-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	3,441.10	
27 15 13 00-0149	MLF 50-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	5,351.86	
27 15 13 00-0150	MLF 75-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	7,560.25	
27 15 13 00-0151	MLF 100-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	9,310.27	
27 15 13 00-0152	MLF 200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	16,915.67	
27 15 13 00-0153	MLF 300-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	24,390.80	
27 15 13 00-0154	MLF 400-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	31,613.57	
27 15 13 00-0155	MLF 600-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	42,158.37	
27 15 13 00-0156	MLF 900-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	62,860.59	
27 15 13 00-0157	MLF 1,200-Pair 24 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	85,088.64	
27 15 13 00-0158	<b>22 AWG, PE-89 Outdoor Telecommunications Cable</b> (27 15 13 00-0130)		
27 15 13 00-0159	<b>22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> (27 15 13 00-0158)		
27 15 13 00-0160	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	2,517.26	739.90
27 15 13 00-0161	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	3,181.57	739.90
27 15 13 00-0162	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	4,790.05	832.38
27 15 13 00-0163	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	7,512.38	924.87
27 15 13 00-0164	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	10,917.21	1,294.82
27 15 13 00-0165	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	14,016.03	1,479.79
27 15 13 00-0166	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	24,815.20	1,664.76
27 15 13 00-0167	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	36,142.29	2,404.66
27 15 13 00-0168	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	48,135.61	3,144.55
27 15 13 00-0169	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	71,037.41	4,254.39
27 15 13 00-0170	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	104,298.33	8,508.78
27 15 13 00-0171	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	146,811.18	12,578.20
27 15 13 00-0172	<b>22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> (27 15 13 00-0158)		
27 15 13 00-0173	MLF 6-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,286.04	
27 15 13 00-0174	MLF 12-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	2,950.35	
27 15 13 00-0175	MLF 25-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	4,481.75	
27 15 13 00-0176	MLF 50-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	7,204.09	
27 15 13 00-0177	MLF 75-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	10,454.77	
27 15 13 00-0178	MLF 100-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	13,553.60	
27 15 13 00-0179	MLF 200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	24,506.91	
27 15 13 00-0180	MLF 300-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	35,217.43	
27 15 13 00-0181	MLF 400-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	46,208.80	
27 15 13 00-0182	MLF 600-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	67,646.23	
27 15 13 00-0183	MLF 900-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	95,049.65	
27 15 13 00-0184	MLF 1,200-Pair 22 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	133,246.44	
27 15 13 00-0185	<b>19 AWG, PE-89 Outdoor Telecommunications Cable</b> (27 15 13 00-0130)		
27 15 13 00-0186	<b>19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit</b> (27 15 13 00-0185)		
27 15 13 00-0187	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	7,998.15	832.38
27 15 13 00-0188	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	13,783.18	924.87
27 15 13 00-0189	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	22,071.81	1,294.82
27 15 13 00-0190	MLF 100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Installed In Conduit .....	26,436.67	1,479.79
27 15 13 00-0191	<b>19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench</b> (27 15 13 00-0185)		
27 15 13 00-0192	MLF 25-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	7,689.85	
27 15 13 00-0193	MLF 50-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	13,474.89	
27 15 13 00-0194	MLF 75-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	21,609.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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	27 15 13 00-0195	MLF	100-Pair 19 AWG, PE-89 Outdoor Telecommunications Cable, Buried In Trench .....	25,974.24	
	<b>27 15 13 00-0196</b>		<b>PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0129)</small>		
			Note: Includes solid polyolefin insulated conductors.		
	27 15 13 00-0197		24 AWG, PE-39 Outdoor Telecommunications Cable <small>(27 15 13 00-0196)</small>		
	<b>27 15 13 00-0198</b>		<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0197)</small>		
	27 15 13 00-0199	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,208.27	1,294.82
	27 15 13 00-0200	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,731.93	1,294.82
	27 15 13 00-0201	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	4,788.39	1,294.82
	27 15 13 00-0202	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	6,690.87	1,294.82
	27 15 13 00-0203	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	10,549.38	1,294.82
	27 15 13 00-0204	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	19,000.18	1,664.76
	27 15 13 00-0205	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	27,738.50	2,404.66
	27 15 13 00-0206	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	36,492.59	3,144.55
	27 15 13 00-0207	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	49,860.01	4,254.39
	27 15 13 00-0208	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	77,683.75	8,508.78
	27 15 13 00-0209	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	113,111.34	12,578.20
	<b>27 15 13 00-0210</b>		<b>24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0197)</small>		
	27 15 13 00-0211	MLF	6-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	2,745.83	
	27 15 13 00-0212	MLF	12-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	3,269.49	
	27 15 13 00-0213	MLF	25-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	4,325.95	
	27 15 13 00-0214	MLF	50-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	6,228.43	
	27 15 13 00-0215	MLF	100-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	10,086.94	
	27 15 13 00-0216	MLF	200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	18,691.89	
	27 15 13 00-0217	MLF	300-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	26,813.64	
	27 15 13 00-0218	MLF	400-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	34,565.78	
	27 15 13 00-0219	MLF	600-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	46,468.83	
	27 15 13 00-0220	MLF	900-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	68,435.07	
	27 15 13 00-0221	MLF	1,200-Pair 24 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	99,546.60	
	<b>27 15 13 00-0222</b>		<b>22 AWG, PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0196)</small>		
	<b>27 15 13 00-0223</b>		<b>22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0222)</small>		
	27 15 13 00-0224	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	3,511.02	1,294.82
	27 15 13 00-0225	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	4,280.51	1,294.82
	27 15 13 00-0226	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	5,918.04	1,294.82
	27 15 13 00-0227	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	8,930.50	1,294.82
	27 15 13 00-0228	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	15,217.11	1,294.82
	27 15 13 00-0229	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	27,983.12	1,664.76
	27 15 13 00-0230	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	40,998.43	2,404.66
	27 15 13 00-0231	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	52,530.22	3,144.55
	27 15 13 00-0232	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	73,358.82	4,254.39
	27 15 13 00-0233	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	115,733.77	8,508.78
	<b>27 15 13 00-0234</b>		<b>22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0222)</small>		
	27 15 13 00-0235	MLF	6-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	3,048.58	
	27 15 13 00-0236	MLF	12-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	3,818.07	
	27 15 13 00-0237	MLF	25-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	5,455.60	
	27 15 13 00-0238	MLF	50-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	8,468.06	
	27 15 13 00-0239	MLF	100-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	14,754.67	
	27 15 13 00-0240	MLF	200-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	27,674.83	
	27 15 13 00-0241	MLF	300-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	40,073.57	
	27 15 13 00-0242	MLF	400-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	50,603.41	
	27 15 13 00-0243	MLF	600-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	69,967.64	
	27 15 13 00-0244	MLF	900-Pair 22 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	106,485.09	
	<b>27 15 13 00-0245</b>		<b>19 AWG, PE-39 Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0196)</small>		
	<b>27 15 13 00-0246</b>		<b>19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit</b> <small>(27 15 13 00-0245)</small>		
	27 15 13 00-0247	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	9,545.53	1,294.82
	27 15 13 00-0248	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	15,655.20	1,294.82
	27 15 13 00-0249	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Installed In Conduit .....	28,324.50	1,294.82
	<b>27 15 13 00-0250</b>		<b>19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench</b> <small>(27 15 13 00-0245)</small>		
	27 15 13 00-0251	MLF	25-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	9,083.09	
	27 15 13 00-0252	MLF	50-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	15,192.76	
	27 15 13 00-0253	MLF	100-Pair 19 AWG, PE-39 Outdoor Telecommunications Cable, Buried In Trench .....	27,862.06	
	<b>27 15 13 00-0254</b>		<b>(Aerial) Outdoor Telecommunications Cable</b> <small>(27 15 13 00-0129)</small>		
			Note: Includes support wire.		
	<b>27 15 13 00-0255</b>		<b>24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles</b> <small>(27 15 13 00-0254)</small>		
	27 15 13 00-0256	MLF	6-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	9,004.57	2,499.71



**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0257	MLF		12-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	9,440.28	2,499.71
27 15 13 00-0258	MLF		25-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,522.06	2,499.71
27 15 13 00-0259	MLF		50-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	12,524.96	2,499.71
27 15 13 00-0260	MLF		100-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	16,393.53	2,499.71
27 15 13 00-0261	MLF		200-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	24,655.61	2,749.68
27 15 13 00-0262	MLF		300-Pair 24 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	32,965.55	2,999.65
<b>27 15 13 00-0263</b>			<b>22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <sup>(27</sup></b>		
			<sup>15 13 00-0254)</sup>		
27 15 13 00-0264	MLF		6-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	9,525.85	2,499.71
27 15 13 00-0265	MLF		12-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,169.59	2,499.71
27 15 13 00-0266	MLF		25-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	11,720.09	2,499.71
27 15 13 00-0267	MLF		50-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	14,783.24	2,499.71
27 15 13 00-0268	MLF		100-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	21,644.11	2,499.71
27 15 13 00-0269	MLF		200-Pair 22 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	34,000.03	2,749.68
<b>27 15 13 00-0270</b>			<b>19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles <sup>(27</sup></b>		
			<sup>15 13 00-0254)</sup>		
27 15 13 00-0271	MLF		6-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	10,215.03	2,499.71
27 15 13 00-0272	MLF		12-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	11,670.81	2,499.71
27 15 13 00-0273	MLF		25-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	14,533.11	2,499.71
27 15 13 00-0274	MLF		50-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	20,257.76	2,499.71
27 15 13 00-0275	MLF		100-Pair 19 AWG, (Aerial) Outdoor Telecommunications Cable, Installed On Poles .....	31,880.06	2,499.71
<b>27 15 13 00-0276</b>			<b>Solid Conductor Low Voltage Cable <sup>(27 15 13)</sup></b>		
<b>27 15 13 00-0277</b>			<b>Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And</b>		
			<b>Communications Cable, Installed In Conduit <sup>(27 15 13 00-0276)</sup></b>		
<b>27 15 13 00-0278</b>			<b>#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And</b>		
			<b>Communications Cable, Installed In Conduit <sup>(27 15 13 00-0277)</sup></b>		
27 15 13 00-0279	MLF		1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,588.86	1,394.16
			<i>For #10 AWG, Add</i> .....	552.23	
			<i>For Work In Restricted Working Space, Add</i> .....	697.14	
27 15 13 00-0280	MLF		2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,895.59	1,443.44
			<i>For #10 AWG, Add</i> .....	642.71	
			<i>For Work In Restricted Working Space, Add</i> .....	721.94	
27 15 13 00-0281	MLF		3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,171.00	1,494.14
			<i>For #10 AWG, Add</i> .....	722.79	
			<i>For Work In Restricted Working Space, Add</i> .....	746.86	
27 15 13 00-0282	MLF		4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,461.42	1,544.84
			<i>For #10 AWG, Add</i> .....	807.45	
			<i>For Work In Restricted Working Space, Add</i> .....	772.65	
27 15 13 00-0283	MLF		5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,827.46	1,649.04
			<i>For #10 AWG, Add</i> .....	905.66	
			<i>For Work In Restricted Working Space, Add</i> .....	824.77	
27 15 13 00-0284	MLF		6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,169.30	1,751.85
			<i>For #10 AWG, Add</i> .....	996.20	
			<i>For Work In Restricted Working Space, Add</i> .....	876.15	
27 15 13 00-0285	MLF		8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,581.54	1,960.26
			<i>For #10 AWG, Add</i> .....	1,087.26	
			<i>For Work In Restricted Working Space, Add</i> .....	979.95	
27 15 13 00-0286	MLF		12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	6,059.42	2,584.11
			<i>For #10 AWG, Add</i> .....	1,439.83	
			<i>For Work In Restricted Working Space, Add</i> .....	1,291.81	
27 15 13 00-0287	MLF		24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	8,988.99	3,816.32
			<i>For #10 AWG, Add</i> .....	2,139.71	
			<i>For Work In Restricted Working Space, Add</i> .....	1,907.67	
<b>27 15 13 00-0288</b>			<b>#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And</b>		
			<b>Communications Cable, Installed In Conduit <sup>(27 15 13 00-0277)</sup></b>		
27 15 13 00-0289	MLF		1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,285.36	1,219.53
			<i>For Work In Restricted Working Space, Add</i> .....	609.63	
27 15 13 00-0290	MLF		2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,572.67	1,263.18
			<i>For Work In Restricted Working Space, Add</i> .....	631.59	
27 15 13 00-0291	MLF		3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,829.68	1,306.84
			<i>For Work In Restricted Working Space, Add</i> .....	653.57	
27 15 13 00-0292	MLF		4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,099.64	1,351.91
			<i>For Work In Restricted Working Space, Add</i> .....	675.95	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0293	MLF	5	Pair	#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,435.49	1,443.44
				<i>For Work In Restricted Working Space, Add</i>	721.58	
27 15 13 00-0294	MLF	6	Pair	#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,747.72	1,533.57
				<i>For Work In Restricted Working Space, Add</i>	766.36	
27 15 13 00-0295	MLF	8	Pair	#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,115.19	1,715.23
				<i>For Work In Restricted Working Space, Add</i>	857.61	
27 15 13 00-0296	MLF	12	Pair	#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,442.33	2,260.22
				<i>For Work In Restricted Working Space, Add</i>	1,130.11	
27 15 13 00-0297	MLF	24	Pair	#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,078.32	3,338.93
				<i>For Work In Restricted Working Space, Add</i>	1,669.61	

**27 15 13 00-0298 #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** (27 15 13 00-0277)

27 15 13 00-0299	MLF	1	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,038.24	1,088.57
				<i>For Work In Restricted Working Space, Add</i>	544.57	
27 15 13 00-0300	MLF	2	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,237.87	1,128.00
				<i>For Work In Restricted Working Space, Add</i>	564.00	
27 15 13 00-0301	MLF	3	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,518.17	1,167.43
				<i>For Work In Restricted Working Space, Add</i>	583.43	
27 15 13 00-0302	MLF	4	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,757.76	1,206.86
				<i>For Work In Restricted Working Space, Add</i>	603.71	
27 15 13 00-0303	MLF	5	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,054.77	1,288.54
				<i>For Work In Restricted Working Space, Add</i>	644.27	
27 15 13 00-0304	MLF	6	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,332.05	1,368.81
				<i>For Work In Restricted Working Space, Add</i>	684.40	
27 15 13 00-0305	MLF	7	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,495.12	1,450.48
				<i>For Work In Restricted Working Space, Add</i>	724.96	
27 15 13 00-0306	MLF	8	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,659.59	1,532.16
				<i>For Work In Restricted Working Space, Add</i>	765.94	
27 15 13 00-0307	MLF	9	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,005.95	1,629.33
				<i>For Work In Restricted Working Space, Add</i>	814.52	
27 15 13 00-0308	MLF	12	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,838.85	2,018.00
				<i>For Work In Restricted Working Space, Add</i>	1,009.07	
27 15 13 00-0309	MLF	24	Pair	#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,181.88	2,981.24
				<i>For Work In Restricted Working Space, Add</i>	1,490.69	

**27 15 13 00-0310 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** (27 15 13 00-0277)

27 15 13 00-0311	MLF	1	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,754.42	959.01
				<i>For Work In Restricted Working Space, Add</i>	479.08	
27 15 13 00-0312	MLF	2	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,945.28	992.80
				<i>For Work In Restricted Working Space, Add</i>	496.40	
27 15 13 00-0313	MLF	3	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,117.27	1,026.61
				<i>For Work In Restricted Working Space, Add</i>	513.72	
27 15 13 00-0314	MLF	4	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,296.47	1,061.81
				<i>For Work In Restricted Working Space, Add</i>	531.05	
27 15 13 00-0315	MLF	5	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,530.43	1,133.63
				<i>For Work In Restricted Working Space, Add</i>	566.96	
27 15 13 00-0316	MLF	6	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,750.05	1,204.05
				<i>For Work In Restricted Working Space, Add</i>	602.45	
27 15 13 00-0317	MLF	8	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,027.40	1,347.68
				<i>For Work In Restricted Working Space, Add</i>	673.84	
27 15 13 00-0318	MLF	12	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,001.79	1,775.79
				<i>For Work In Restricted Working Space, Add</i>	888.03	
27 15 13 00-0319	MLF	24	Pair	#18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,935.09	2,623.54
				<i>For Work In Restricted Working Space, Add</i>	1,311.77	

**27 15 13 00-0320 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit** (27 15 13 00-0277)

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0321	MLF		1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,572.91	871.70
			<i>For Work In Restricted Working Space, Add</i>	435.57	
27 15 13 00-0322	MLF		2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,727.98	902.68
			<i>For Work In Restricted Working Space, Add</i>	451.20	
27 15 13 00-0323	MLF		3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,867.23	934.37
			<i>For Work In Restricted Working Space, Add</i>	466.83	
27 15 13 00-0324	MLF		4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,012.96	966.05
			<i>For Work In Restricted Working Space, Add</i>	482.88	
27 15 13 00-0325	MLF		5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,209.61	1,030.83
			<i>For Work In Restricted Working Space, Add</i>	575.20	
27 15 13 00-0326	MLF		6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,395.22	1,095.61
			<i>For Work In Restricted Working Space, Add</i>	547.52	
27 15 13 00-0327	MLF		8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,651.07	1,225.17
			<i>For Work In Restricted Working Space, Add</i>	672.59	
27 15 13 00-0328	MLF		12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,491.65	1,615.25
			<i>For Work In Restricted Working Space, Add</i>	807.34	
27 15 13 00-0329	MLF		24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,176.21	2,385.56
			<i>For Work In Restricted Working Space, Add</i>	1,192.63	
27 15 13 00-0330	MLF		25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,406.07	2,441.88
			<i>For Work In Restricted Working Space, Add</i>	1,220.94	
27 15 13 00-0331	MLF		36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,376.15	2,843.23
			<i>For Work In Restricted Working Space, Add</i>	1,421.62	
27 15 13 00-0332	MLF		40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,834.07	3,043.20
			<i>For Work In Restricted Working Space, Add</i>	1,521.73	
27 15 13 00-0333	MLF		50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,333.46	3,803.64
			<i>For Work In Restricted Working Space, Add</i>	1,901.54	
27 15 13 00-0334	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	11,168.29	5,007.69
			<i>For Work In Restricted Working Space, Add</i>	2,503.55	
27 15 13 00-0335			<b>#22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0277)</small>		
27 15 13 00-0336	MLF		1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,370.15	784.39
			<i>For Work In Restricted Working Space, Add</i>	392.05	
27 15 13 00-0337	MLF		2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,439.94	812.55
			<i>For Work In Restricted Working Space, Add</i>	405.99	
27 15 13 00-0338	MLF		3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,520.04	840.72
			<i>For Work In Restricted Working Space, Add</i>	420.36	
27 15 13 00-0339	MLF		4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,604.56	868.88
			<i>For Work In Restricted Working Space, Add</i>	434.72	
27 15 13 00-0340	MLF		5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,745.71	928.03
			<i>For Work In Restricted Working Space, Add</i>	463.87	
27 15 13 00-0341	MLF		6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,885.26	982.94
			<i>For Work In Restricted Working Space, Add</i>	491.76	
27 15 13 00-0342			<b>Triad</b> <small>(27 15 13 00-0277)</small>		
27 15 13 00-0343	MLF		1 Triad #16 AWG, Stranded, Low Voltage, Installed In Conduit	3,486.38	1,167.43
27 15 13 00-0344	MLF		4 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	4,544.96	1,615.25
27 15 13 00-0345	MLF		8 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	7,097.67	2,385.56
27 15 13 00-0346	MLF		12 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	8,836.66	2,843.23
27 15 13 00-0347	MLF		24 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	14,463.71	4,404.97
27 15 13 00-0348	MLF		36 Triad #20 AWG, Stranded, Low Voltage, Installed In Conduit	16,638.58	5,007.69
27 15 13 00-0349			<b>Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0276)</small>		
27 15 13 00-0350			<b>#12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0349)</small>		
27 15 13 00-0351	MLF		1 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,912.64	2,788.30
			<i>For #10 AWG, Add</i>	1,016.99	
			<i>For Work In Restricted Working Space, Add</i>	1,394.27	
27 15 13 00-0352	MLF		2 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,302.04	2,886.89
			<i>For #10 AWG, Add</i>	1,124.00	
			<i>For Work In Restricted Working Space, Add</i>	1,443.87	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0353	MLF	3 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,660.53	2,988.28
		<i>For #10 AWG, Add</i>		1,220.70	
		<i>For Work In Restricted Working Space, Add</i>		1,493.72	
27 15 13 00-0354	MLF	4 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	6,036.93	3,089.67
		<i>For #10 AWG, Add</i>		1,322.55	
		<i>For Work In Restricted Working Space, Add</i>		1,545.31	
27 15 13 00-0355	MLF	5 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	6,576.67	3,298.09
		<i>For #10 AWG, Add</i>		1,455.51	
		<i>For Work In Restricted Working Space, Add</i>		1,649.53	
27 15 13 00-0356	MLF	6 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	7,089.82	3,503.70
		<i>For #10 AWG, Add</i>		1,580.31	
		<i>For Work In Restricted Working Space, Add</i>		1,752.31	
27 15 13 00-0357	MLF	8 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	7,848.03	3,920.52
		<i>For #10 AWG, Add</i>		1,740.56	
		<i>For Work In Restricted Working Space, Add</i>		1,959.89	
27 15 13 00-0358	MLF	12 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	10,365.44	5,168.22
		<i>For #10 AWG, Add</i>		2,301.03	
		<i>For Work In Restricted Working Space, Add</i>		2,583.61	
27 15 13 00-0359	MLF	24 Pair #12 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	15,347.87	7,632.64
		<i>For #10 AWG, Add</i>		3,411.49	
		<i>For Work In Restricted Working Space, Add</i>		3,815.33	
27 15 13 00-0360		<b>#14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0349)</small>			
27 15 13 00-0361	MLF	1 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,317.43	2,439.07
		<i>For Work In Restricted Working Space, Add</i>		1,219.25	
27 15 13 00-0362	MLF	2 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,677.98	2,526.38
		<i>For Work In Restricted Working Space, Add</i>		1,263.19	
27 15 13 00-0363	MLF	3 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,008.21	2,613.69
		<i>For Work In Restricted Working Space, Add</i>		1,307.12	
27 15 13 00-0364	MLF	4 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,352.82	2,703.81
		<i>For Work In Restricted Working Space, Add</i>		1,351.91	
27 15 13 00-0365	MLF	5 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,840.75	2,886.89
		<i>For Work In Restricted Working Space, Add</i>		1,443.16	
27 15 13 00-0366	MLF	6 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	6,302.26	3,067.14
		<i>For Work In Restricted Working Space, Add</i>		1,532.72	
27 15 13 00-0367	MLF	8 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	6,973.92	3,430.47
		<i>For Work In Restricted Working Space, Add</i>		1,715.23	
27 15 13 00-0368	MLF	12 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	9,209.35	4,520.44
		<i>For Work In Restricted Working Space, Add</i>		2,260.21	
27 15 13 00-0369	MLF	24 Pair #14 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	13,643.67	6,677.85
		<i>For Work In Restricted Working Space, Add</i>		3,339.21	
27 15 13 00-0370		<b>#16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0349)</small>			
27 15 13 00-0371	MLF	1 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	3,853.46	2,177.13
		<i>For Work In Restricted Working Space, Add</i>		1,089.13	
27 15 13 00-0372	MLF	2 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,117.87	2,256.00
		<i>For Work In Restricted Working Space, Add</i>		1,128.00	
27 15 13 00-0373	MLF	3 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,462.94	2,334.85
		<i>For Work In Restricted Working Space, Add</i>		1,166.87	
27 15 13 00-0374	MLF	4 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	4,770.13	2,413.72
		<i>For Work In Restricted Working Space, Add</i>		1,207.42	
27 15 13 00-0375	MLF	5 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,202.33	2,577.07
		<i>For Work In Restricted Working Space, Add</i>		1,288.54	
27 15 13 00-0376	MLF	6 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,613.40	2,737.61
		<i>For Work In Restricted Working Space, Add</i>		1,368.81	
27 15 13 00-0377	MLF	7 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	5,911.66	2,900.97
		<i>For Work In Restricted Working Space, Add</i>		1,449.92	
27 15 13 00-0378	MLF	8 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed	Exposed .....	6,212.73	3,064.32
		<i>For Work In Restricted Working Space, Add</i>		1,531.88	

**27 Communications**

**27 10 Structured Cabling**

**27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0379	MLF		9 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,721.03	3,258.66
			<i>For Work In Restricted Working Space, Add</i>	1,629.05	
27 15 13 00-0380	MLF		12 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,202.42	4,036.00
			<i>For Work In Restricted Working Space, Add</i>	2,018.14	
27 15 13 00-0381	MLF		24 Pair #16 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	12,150.84	5,962.47
			<i>For Work In Restricted Working Space, Add</i>	2,981.38	
<b>27 15 13 00-0382 #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)</b>					
27 15 13 00-0383	MLF		1 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,351.36	1,918.02
			<i>For Work In Restricted Working Space, Add</i>	958.16	
27 15 13 00-0384	MLF		2 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,599.95	1,985.61
			<i>For Work In Restricted Working Space, Add</i>	992.81	
27 15 13 00-0385	MLF		3 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,829.69	2,053.21
			<i>For Work In Restricted Working Space, Add</i>	1,027.45	
27 15 13 00-0386	MLF		4 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,066.63	2,123.62
			<i>For Work In Restricted Working Space, Add</i>	1,062.09	
27 15 13 00-0387	MLF		5 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,420.28	2,267.26
			<i>For Work In Restricted Working Space, Add</i>	1,133.91	
27 15 13 00-0388	MLF		6 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,758.19	2,408.08
			<i>For Work In Restricted Working Space, Add</i>	1,204.89	
27 15 13 00-0389	MLF		8 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,273.54	2,695.36
			<i>For Work In Restricted Working Space, Add</i>	1,347.68	
27 15 13 00-0390	MLF		12 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,961.90	3,551.57
			<i>For Work In Restricted Working Space, Add</i>	1,776.07	
27 15 13 00-0391	MLF		24 Pair #18 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	10,307.65	5,247.09
			<i>For Work In Restricted Working Space, Add</i>	2,623.54	
<b>27 15 13 00-0392 #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed (27 15 13 00-0349)</b>					
27 15 13 00-0393	MLF		1 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,024.80	1,743.39
			<i>For Work In Restricted Working Space, Add</i>	871.13	
27 15 13 00-0394	MLF		2 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,231.97	1,805.36
			<i>For Work In Restricted Working Space, Add</i>	902.40	
27 15 13 00-0395	MLF		3 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,423.33	1,868.73
			<i>For Work In Restricted Working Space, Add</i>	933.66	
27 15 13 00-0396	MLF		4 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,622.57	1,932.10
			<i>For Work In Restricted Working Space, Add</i>	965.77	
27 15 13 00-0397	MLF		5 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,926.96	2,061.66
			<i>For Work In Restricted Working Space, Add</i>	1,030.41	
27 15 13 00-0398	MLF		6 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,220.28	2,191.21
			<i>For Work In Restricted Working Space, Add</i>	1,095.04	
27 15 13 00-0399	MLF		8 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,693.00	2,450.33
			<i>For Work In Restricted Working Space, Add</i>	1,225.16	
27 15 13 00-0400	MLF		12 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,182.79	3,230.50
			<i>For Work In Restricted Working Space, Add</i>	1,614.68	
27 15 13 00-0401	MLF		24 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,151.65	4,771.10
			<i>For Work In Restricted Working Space, Add</i>	2,385.26	
27 15 13 00-0402	MLF		25 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	9,475.85	4,883.76
			<i>For Work In Restricted Working Space, Add</i>	2,441.87	
27 15 13 00-0403	MLF		36 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,114.88	5,686.45
			<i>For Work In Restricted Working Space, Add</i>	2,843.24	
27 15 13 00-0404	MLF		40 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	11,906.53	6,086.39
			<i>For Work In Restricted Working Space, Add</i>	3,043.47	
27 15 13 00-0405	MLF		50 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	14,671.89	7,607.29
			<i>For Work In Restricted Working Space, Add</i>	3,803.06	
27 15 13 00-0406	MLF		100 Pair #20 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	19,513.44	10,015.37
			<i>For Work In Restricted Working Space, Add</i>	5,007.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>27 15 13 00-0407</b>			<b>#22 AWG, Shielded, Low Voltage Cable, Installed Exposed</b> <small>(27 15 13 00-0349)</small>		
27 15 13 00-0408	MLF	1 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,677.00	1,568.78
		<i>For Work In Restricted Working Space, Add</i>	.....	784.11	
27 15 13 00-0409	MLF	2 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,793.26	1,625.11
		<i>For Work In Restricted Working Space, Add</i>	.....	811.99	
27 15 13 00-0410	MLF	3 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	2,921.23	1,681.44
		<i>For Work In Restricted Working Space, Add</i>	.....	840.72	
27 15 13 00-0411	MLF	4 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,053.64	1,737.77
		<i>For Work In Restricted Working Space, Add</i>	.....	869.45	
27 15 13 00-0412	MLF	5 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,291.95	1,856.06
		<i>For Work In Restricted Working Space, Add</i>	.....	927.74	
27 15 13 00-0413	MLF	6 Pair #22 AWG, Solid, Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	.....	3,524.44	1,965.90
		<i>For Work In Restricted Working Space, Add</i>	.....	983.51	
<b>27 15 13 00-0414</b>			<b>Triad, Installed Exposed</b> <small>(27 15 13 00-0349)</small>		
27 15 13 00-0415	MLF	1 Triad, #16 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	.....	3,486.38	1,167.43
27 15 13 00-0416	MLF	4 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	.....	4,544.96	1,615.25
27 15 13 00-0417	MLF	8 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	.....	7,097.67	2,385.56
27 15 13 00-0418	MLF	12 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	.....	8,836.66	2,843.23
27 15 13 00-0419	MLF	24 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	.....	14,463.71	4,404.97
27 15 13 00-0420	MLF	36 Triad, #20 AWG, Stranded, Low Voltage Copper Communication Cable, Installed Exposed	.....	16,638.58	5,007.69
<b>27 15 13 00-0421</b>			<b>Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0276)</small>		
<b>27 15 13 00-0422</b>			<b>#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0421)</small>		
27 15 13 00-0423	MLF	1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,246.22	1,219.53
		<i>For Work In Restricted Working Space, Add</i>	.....	609.63	
27 15 13 00-0424	MLF	2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,500.46	1,263.18
		<i>For Work In Restricted Working Space, Add</i>	.....	631.60	
27 15 13 00-0425	MLF	3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,729.07	1,306.84
		<i>For Work In Restricted Working Space, Add</i>	.....	653.57	
27 15 13 00-0426	MLF	4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,968.84	1,351.91
		<i>For Work In Restricted Working Space, Add</i>	.....	675.95	
27 15 13 00-0427	MLF	5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	3,273.48	1,442.03
		<i>For Work In Restricted Working Space, Add</i>	.....	720.74	
27 15 13 00-0428	MLF	6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	3,561.93	1,532.16
		<i>For Work In Restricted Working Space, Add</i>	.....	765.94	
27 15 13 00-0429	MLF	8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	3,921.03	1,715.23
		<i>For Work In Restricted Working Space, Add</i>	.....	857.61	
27 15 13 00-0430	MLF	12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	5,183.45	2,260.22
		<i>For Work In Restricted Working Space, Add</i>	.....	1,130.11	
27 15 13 00-0431	MLF	24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	7,690.00	3,338.93
		<i>For Work In Restricted Working Space, Add</i>	.....	1,669.61	
<b>27 15 13 00-0432</b>			<b>#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0421)</small>		
27 15 13 00-0433	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,003.78	1,088.57
		<i>For Work In Restricted Working Space, Add</i>	.....	544.57	
27 15 13 00-0434	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,227.95	1,128.00
		<i>For Work In Restricted Working Space, Add</i>	.....	564.00	
27 15 13 00-0435	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,429.56	1,167.43
		<i>For Work In Restricted Working Space, Add</i>	.....	583.43	
27 15 13 00-0436	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,642.58	1,206.86
		<i>For Work In Restricted Working Space, Add</i>	.....	603.71	
27 15 13 00-0437	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	2,913.18	1,287.13
		<i>For Work In Restricted Working Space, Add</i>	.....	643.85	
27 15 13 00-0438	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	3,169.69	1,368.81
		<i>For Work In Restricted Working Space, Add</i>	.....	684.40	
27 15 13 00-0439	MLF	7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	.....	3,328.45	1,450.48
		<i>For Work In Restricted Working Space, Add</i>	.....	724.96	



## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
27 15 13 00-0440	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,549.08		1,532.16
		<i>For Work In Restricted Working Space, Add</i>	765.94		
27 15 13 00-0441	MLF	9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,876.87		1,629.33
		<i>For Work In Restricted Working Space, Add</i>	814.48		
27 15 13 00-0442	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,610.89		2,018.00
		<i>For Work In Restricted Working Space, Add</i>	1,009.07		
27 15 13 00-0443	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,840.62		2,981.24
		<i>For Work In Restricted Working Space, Add</i>	1,490.90		
<b>27 15 13 00-0444 #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)</b>					
27 15 13 00-0445	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,754.31		957.60
		<i>For Work In Restricted Working Space, Add</i>	479.08		
27 15 13 00-0446	MLF	2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,936.87		992.80
		<i>For Work In Restricted Working Space, Add</i>	496.40		
27 15 13 00-0447	MLF	3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,059.71		1,028.01
		<i>For Work In Restricted Working Space, Add</i>	513.72		
27 15 13 00-0448	MLF	4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,215.14		1,061.81
		<i>For Work In Restricted Working Space, Add</i>	531.05		
27 15 13 00-0449	MLF	5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,421.66		1,133.63
		<i>For Work In Restricted Working Space, Add</i>	566.96		
27 15 13 00-0450	MLF	6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,626.79		1,205.45
		<i>For Work In Restricted Working Space, Add</i>	602.45		
27 15 13 00-0451	MLF	8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,092.70		1,347.68
		<i>For Work In Restricted Working Space, Add</i>	673.84		
27 15 13 00-0452	MLF	12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,033.95		1,775.79
		<i>For Work In Restricted Working Space, Add</i>	888.03		
27 15 13 00-0453	MLF	24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,545.42		2,623.54
		<i>For Work In Restricted Working Space, Add</i>	1,311.77		
<b>27 15 13 00-0454 #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit (27 15 13 00-0421)</b>					
27 15 13 00-0455	MLF	1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,562.98		871.70
		<i>For Work In Restricted Working Space, Add</i>	435.57		
27 15 13 00-0456	MLF	2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,693.37		902.68
		<i>For Work In Restricted Working Space, Add</i>	451.20		
27 15 13 00-0457	MLF	3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,975.46		1,028.01
		<i>For Work In Restricted Working Space, Add</i>	513.72		
27 15 13 00-0458	MLF	4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,142.16		1,080.68
		<i>For Work In Restricted Working Space, Add</i>	540.34		
27 15 13 00-0459	MLF	5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,306.05		1,133.63
		<i>For Work In Restricted Working Space, Add</i>	566.96		
27 15 13 00-0460	MLF	6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,490.18		1,205.45
		<i>For Work In Restricted Working Space, Add</i>	602.45		
27 15 13 00-0461	MLF	8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,751.27		1,341.49
		<i>For Work In Restricted Working Space, Add</i>	670.88		
27 15 13 00-0462	MLF	12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,367.95		1,615.25
		<i>For Work In Restricted Working Space, Add</i>	807.34		
27 15 13 00-0463	MLF	24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,990.66		2,385.56
		<i>For Work In Restricted Working Space, Add</i>	1,192.63		
27 15 13 00-0464	MLF	25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,199.58		2,441.88
		<i>For Work In Restricted Working Space, Add</i>	1,220.94		
27 15 13 00-0465	MLF	36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,123.12		2,843.23
		<i>For Work In Restricted Working Space, Add</i>	1,421.62		
27 15 13 00-0466	MLF	40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,561.85		3,043.20
		<i>For Work In Restricted Working Space, Add</i>	1,521.73		
27 15 13 00-0467	MLF	50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,025.18		3,803.64
		<i>For Work In Restricted Working Space, Add</i>	1,901.54		
27 15 13 00-0468	MLF	100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	10,732.04		5,007.69
		<i>For Work In Restricted Working Space, Add</i>	2,503.55		

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0469	<b>#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0421)</small>		
27 15 13 00-0470	MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,380.49	784.39
	<i>For Work In Restricted Working Space, Add</i>	392.05	
27 15 13 00-0471	MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,454.09	812.55
	<i>For Work In Restricted Working Space, Add</i>	405.99	
27 15 13 00-0472	MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,544.50	840.72
	<i>For Work In Restricted Working Space, Add</i>	420.36	
27 15 13 00-0473	MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,641.18	868.88
	<i>For Work In Restricted Working Space, Add</i>	434.72	
27 15 13 00-0474	MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,784.02	928.03
	<i>For Work In Restricted Working Space, Add</i>	463.87	
27 15 13 00-0475	MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,932.51	982.94
	<i>For Work In Restricted Working Space, Add</i>	491.76	
27 15 13 00-0476	<b>Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0276)</small>		
27 15 13 00-0477	<b>#14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>		
27 15 13 00-0478	MLF 1 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,278.29	2,439.07
	<i>For Work In Restricted Working Space, Add</i>	1,219.25	
27 15 13 00-0479	MLF 2 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,605.76	2,526.38
	<i>For Work In Restricted Working Space, Add</i>	1,263.19	
27 15 13 00-0480	MLF 3 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,907.60	2,613.69
	<i>For Work In Restricted Working Space, Add</i>	1,307.12	
27 15 13 00-0481	MLF 4 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,222.02	2,703.81
	<i>For Work In Restricted Working Space, Add</i>	1,351.91	
27 15 13 00-0482	MLF 5 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,675.93	2,884.07
	<i>For Work In Restricted Working Space, Add</i>	1,441.47	
27 15 13 00-0483	MLF 6 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,115.07	3,064.32
	<i>For Work In Restricted Working Space, Add</i>	1,531.88	
27 15 13 00-0484	MLF 8 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,779.76	3,430.47
	<i>For Work In Restricted Working Space, Add</i>	1,715.23	
27 15 13 00-0485	MLF 12 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	8,950.47	4,520.44
	<i>For Work In Restricted Working Space, Add</i>	2,260.21	
27 15 13 00-0486	MLF 24 Pair #14 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	13,255.35	6,677.85
	<i>For Work In Restricted Working Space, Add</i>	3,339.21	
27 15 13 00-0487	<b>#16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>		
27 15 13 00-0488	MLF 1 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	3,819.00	2,177.13
	<i>For Work In Restricted Working Space, Add</i>	1,089.13	
27 15 13 00-0489	MLF 2 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,107.95	2,256.00
	<i>For Work In Restricted Working Space, Add</i>	1,128.00	
27 15 13 00-0490	MLF 3 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,374.33	2,334.85
	<i>For Work In Restricted Working Space, Add</i>	1,166.87	
27 15 13 00-0491	MLF 4 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	4,654.95	2,413.72
	<i>For Work In Restricted Working Space, Add</i>	1,207.42	
27 15 13 00-0492	MLF 5 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,059.34	2,574.25
	<i>For Work In Restricted Working Space, Add</i>	1,287.69	
27 15 13 00-0493	MLF 6 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,451.04	2,737.61
	<i>For Work In Restricted Working Space, Add</i>	1,368.81	
27 15 13 00-0494	MLF 7 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	5,744.99	2,900.97
	<i>For Work In Restricted Working Space, Add</i>	1,449.92	
27 15 13 00-0495	MLF 8 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,102.22	3,064.32
	<i>For Work In Restricted Working Space, Add</i>	1,531.88	
27 15 13 00-0496	MLF 9 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed.....	6,591.82	3,258.66
	<i>For Work In Restricted Working Space, Add</i>	1,628.96	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0497	MLF		12 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	7,974.45	4,036.00
			<i>For Work In Restricted Working Space, Add</i>	2,018.14	
27 15 13 00-0498	MLF		24 Pair #16 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,810.26	5,962.47
			<i>For Work In Restricted Working Space, Add</i>	2,981.79	
<b>27 15 13 00-0499</b>			<b>#18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>		
27 15 13 00-0500	MLF		1 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,351.25	1,915.20
			<i>For Work In Restricted Working Space, Add</i>	958.16	
27 15 13 00-0501	MLF		2 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,591.54	1,985.61
			<i>For Work In Restricted Working Space, Add</i>	992.81	
27 15 13 00-0502	MLF		3 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,772.13	2,056.03
			<i>For Work In Restricted Working Space, Add</i>	1,027.45	
27 15 13 00-0503	MLF		4 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,985.30	2,123.62
			<i>For Work In Restricted Working Space, Add</i>	1,062.09	
27 15 13 00-0504	MLF		5 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,311.51	2,267.26
			<i>For Work In Restricted Working Space, Add</i>	1,133.91	
27 15 13 00-0505	MLF		6 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,634.93	2,410.90
			<i>For Work In Restricted Working Space, Add</i>	1,204.89	
27 15 13 00-0506	MLF		8 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	5,338.84	2,695.36
			<i>For Work In Restricted Working Space, Add</i>	1,347.68	
27 15 13 00-0507	MLF		12 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,994.06	3,551.57
			<i>For Work In Restricted Working Space, Add</i>	1,776.07	
27 15 13 00-0508	MLF		24 Pair #18 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,917.98	5,247.09
			<i>For Work In Restricted Working Space, Add</i>	2,623.54	
<b>27 15 13 00-0509</b>			<b>#20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>		
27 15 13 00-0510	MLF		1 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,014.87	1,743.39
			<i>For Work In Restricted Working Space, Add</i>	871.13	
27 15 13 00-0511	MLF		2 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,197.36	1,805.36
			<i>For Work In Restricted Working Space, Add</i>	902.40	
27 15 13 00-0512	MLF		3 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,687.88	2,056.03
			<i>For Work In Restricted Working Space, Add</i>	1,027.45	
27 15 13 00-0513	MLF		4 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	3,943.29	2,161.36
			<i>For Work In Restricted Working Space, Add</i>	1,080.68	
27 15 13 00-0514	MLF		5 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,195.90	2,267.26
			<i>For Work In Restricted Working Space, Add</i>	1,133.91	
27 15 13 00-0515	MLF		6 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,498.32	2,410.90
			<i>For Work In Restricted Working Space, Add</i>	1,204.89	
27 15 13 00-0516	MLF		8 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	4,987.55	2,682.97
			<i>For Work In Restricted Working Space, Add</i>	1,341.77	
27 15 13 00-0517	MLF		12 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	6,059.09	3,230.50
			<i>For Work In Restricted Working Space, Add</i>	1,614.68	
27 15 13 00-0518	MLF		24 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	8,966.10	4,771.10
			<i>For Work In Restricted Working Space, Add</i>	2,385.26	
27 15 13 00-0519	MLF		25 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	9,269.36	4,883.76
			<i>For Work In Restricted Working Space, Add</i>	2,441.87	
27 15 13 00-0520	MLF		36 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	10,861.85	5,686.45
			<i>For Work In Restricted Working Space, Add</i>	2,843.24	
27 15 13 00-0521	MLF		40 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	11,634.31	6,086.39
			<i>For Work In Restricted Working Space, Add</i>	3,043.47	
27 15 13 00-0522	MLF		50 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	14,363.61	7,607.29
			<i>For Work In Restricted Working Space, Add</i>	3,803.06	
27 15 13 00-0523	MLF		100 Pair #20 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed	19,077.19	10,015.37
			<i>For Work In Restricted Working Space, Add</i>	5,007.09	
<b>27 15 13 00-0524</b>			<b>#22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed</b> <small>(27 15 13 00-0476)</small>		

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0525 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,687.34 784.11	1,568.78
27 15 13 00-0526 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,807.41 811.99	1,625.11
27 15 13 00-0527 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,945.69 840.72	1,681.44
27 15 13 00-0528 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,090.26 869.45	1,737.77
27 15 13 00-0529 MLF 5 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,330.26 927.74	1,856.06
27 15 13 00-0530 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Non-Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,571.69 983.51	1,965.90
<b>27 15 13 00-0531 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench</b> <small>(27 15 13 00-0276)</small> Note: Excludes excavation.		
27 15 13 00-0532 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,023.57	
27 15 13 00-0533 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,299.78	
27 15 13 00-0534 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,547.30	
27 15 13 00-0535 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	2,808.24	
27 15 13 00-0536 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	3,124.18	
27 15 13 00-0537 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Buried In Trench .....	3,417.91	
<b>27 15 13 00-0538 Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial)</b> <small>(27 15 13 00-0276)</small>		
27 15 13 00-0539 MLF 1 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	2,140.17	729.13
27 15 13 00-0540 MLF 2 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	2,489.04	781.15
27 15 13 00-0541 MLF 3 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	3,206.75	987.54
27 15 13 00-0542 MLF 4 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	3,802.44	1,142.21
27 15 13 00-0543 MLF 5 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	11,170.74	1,301.88
27 15 13 00-0544 MLF 6 Pair, #14 AWG, Solid, Shielded, Low Voltage, Alarm And Communications Cable, Installed On Poles (Aerial) .....	13,339.94	1,663.24
<b>27 15 13 00-0545 Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit</b> <small>(27 15 13 00-0276)</small>		
27 15 13 00-0546 MLF 1 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,035.24	1,088.57
27 15 13 00-0547 MLF 2 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,399.77	1,128.00
27 15 13 00-0548 MLF 3 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,660.00	1,167.43
27 15 13 00-0549 MLF 4 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,805.56	1,206.86
27 15 13 00-0550 MLF 5 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,317.07	1,287.13
27 15 13 00-0551 MLF 6 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,580.80	1,368.81
27 15 13 00-0552 MLF 8 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,424.35	1,532.16
27 15 13 00-0553 MLF 12 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	5,532.45	2,018.00
27 15 13 00-0554 MLF 24 Pair #16 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	8,374.24	2,981.24
27 15 13 00-0555 MLF 1 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,764.01	957.60
27 15 13 00-0556 MLF 2 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,063.97	992.80
27 15 13 00-0557 MLF 3 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,314.02	1,028.01
27 15 13 00-0558 MLF 4 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,443.48	1,061.81
27 15 13 00-0559 MLF 5 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,881.25	1,133.63
27 15 13 00-0560 MLF 6 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,213.96	1,205.45
27 15 13 00-0561 MLF 8 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	3,626.08	1,347.68
27 15 13 00-0562 MLF 12 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	4,696.26	1,775.79
27 15 13 00-0563 MLF 24 Pair #18 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	7,435.25	2,623.54
27 15 13 00-0564 MLF 1 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,566.24	871.70
27 15 13 00-0565 MLF 2 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,759.73	902.68
27 15 13 00-0566 MLF 3 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	1,947.55	933.66
27 15 13 00-0567 MLF 4 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit .....	2,070.14	966.05



**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

27 15 13 00-0568	MLF	5 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,247.66	1,030.83
27 15 13 00-0569	MLF	6 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,444.53	1,095.61
27 15 13 00-0570	MLF	8 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,737.42	1,225.17
27 15 13 00-0571	MLF	12 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,751.50	1,615.25
27 15 13 00-0572	MLF	24 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,678.75	2,385.56
27 15 13 00-0573	MLF	25 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,965.19	2,441.88
27 15 13 00-0574	MLF	36 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,020.59	2,843.23
27 15 13 00-0575	MLF	40 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,571.36	3,043.20
27 15 13 00-0576	MLF	50 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	9,168.41	3,803.64
27 15 13 00-0577	MLF	100 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	12,349.82	5,007.69
27 15 13 00-0578	MLF	250 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	23,695.19	9,223.95
27 15 13 00-0579	MLF	500 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	35,257.88	12,206.59
27 15 13 00-0580	MLF	750 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	46,900.60	15,382.16
27 15 13 00-0581	MLF	1200 Pair #20 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	65,869.07	21,099.61
27 15 13 00-0582	MLF	1 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,525.04	871.70
27 15 13 00-0583	MLF	2 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,667.58	902.68
27 15 13 00-0584	MLF	3 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,806.50	933.66
27 15 13 00-0585	MLF	4 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,904.20	966.05
27 15 13 00-0586	MLF	5 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,056.83	1,030.83
27 15 13 00-0587	MLF	6 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,221.32	1,095.61
27 15 13 00-0588	MLF	8 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,486.82	1,225.17
27 15 13 00-0589	MLF	12 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,369.43	1,615.25
27 15 13 00-0590	MLF	24 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,065.01	2,385.56
27 15 13 00-0591	MLF	25 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,282.24	2,441.88
27 15 13 00-0592	MLF	36 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,224.51	2,843.23
27 15 13 00-0593	MLF	40 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	6,670.94	3,043.20
27 15 13 00-0594	MLF	50 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	8,148.70	3,803.64
27 15 13 00-0595	MLF	100 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	10,906.86	5,007.69
27 15 13 00-0596	MLF	250 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	20,641.49	9,223.95
27 15 13 00-0597	MLF	500 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	29,866.52	12,206.59
27 15 13 00-0598	MLF	750 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	39,215.81	15,382.16
27 15 13 00-0599	MLF	1200 Pair #22 AWG, Solid, Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	54,774.66	21,099.61

**27 15 13 00-0600 Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit**

(27 15 13 00-0276)

27 15 13 00-0601	MLF	1 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,060.75	1,088.57
27 15 13 00-0602	MLF	2 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,320.25	1,128.00
27 15 13 00-0603	MLF	3 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,486.64	1,167.43
27 15 13 00-0604	MLF	4 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,705.21	1,206.86
27 15 13 00-0605	MLF	5 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	2,977.29	1,287.13
27 15 13 00-0606	MLF	6 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,246.53	1,368.81
27 15 13 00-0607	MLF	8 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	3,873.92	1,532.16
27 15 13 00-0608	MLF	12 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	5,040.66	2,018.00
27 15 13 00-0609	MLF	24 Pair #16 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	7,509.64	2,981.24
27 15 13 00-0610	MLF	1 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit	1,805.65	957.60



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0611 MLF 2 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,028.90	992.80
27 15 13 00-0612 MLF 3 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,172.99	1,028.01
27 15 13 00-0613 MLF 4 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,360.28	1,061.81
27 15 13 00-0614 MLF 5 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,595.12	1,133.63
27 15 13 00-0615 MLF 6 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,828.57	1,205.45
27 15 13 00-0616 MLF 8 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,368.81	1,347.68
27 15 13 00-0617 MLF 12 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	4,385.05	1,775.79
27 15 13 00-0618 MLF 24 Pair #18 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,531.54	2,623.54
27 15 13 00-0619 MLF 1 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,599.21	871.70
27 15 13 00-0620 MLF 2 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,791.86	902.68
27 15 13 00-0621 MLF 3 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,930.32	933.66
27 15 13 00-0622 MLF 4 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,172.45	966.05
27 15 13 00-0623 MLF 5 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,398.76	1,030.83
27 15 13 00-0624 MLF 6 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,811.27	1,095.61
27 15 13 00-0625 MLF 8 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,142.61	1,225.17
27 15 13 00-0626 MLF 12 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,995.00	1,615.25
27 15 13 00-0627 MLF 24 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,007.42	2,385.56
27 15 13 00-0628 MLF 25 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,329.74	2,441.88
27 15 13 00-0629 MLF 36 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	7,508.18	2,843.23
27 15 13 00-0630 MLF 40 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,051.98	3,043.20
27 15 13 00-0631 MLF 50 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	9,712.69	3,803.64
27 15 13 00-0632 MLF 100 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	13,120.05	5,007.69
27 15 13 00-0633 MLF 250 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	25,325.94	9,223.95
27 15 13 00-0634 MLF 500 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	38,136.66	12,206.59
27 15 13 00-0635 MLF 750 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	51,003.47	15,382.16
27 15 13 00-0636 MLF 1200 Pair #20 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	71,792.27	21,098.19
27 15 13 00-0637 MLF 1 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,546.12	871.70
27 15 13 00-0638 MLF 2 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,688.14	902.68
27 15 13 00-0639 MLF 3 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,795.49	933.66
27 15 13 00-0640 MLF 4 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	1,969.65	966.05
27 15 13 00-0641 MLF 5 Pair #22 AWG, Solid, Low Voltage, Plenum Rated, Non-Shielded, Installed In Conduit.....	2,153.49	1,030.83
27 15 13 00-0642 MLF 6 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,455.93	1,095.61
27 15 13 00-0643 MLF 8 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	2,746.02	1,225.17
27 15 13 00-0644 MLF 12 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	3,525.19	1,615.25
27 15 13 00-0645 MLF 24 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,275.25	2,385.56
27 15 13 00-0646 MLF 25 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	5,515.43	2,441.88
27 15 13 00-0647 MLF 36 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,510.27	2,843.23
27 15 13 00-0648 MLF 40 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	6,978.39	3,043.20
27 15 13 00-0649 MLF 50 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	8,496.87	3,803.64
27 15 13 00-0650 MLF 100 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	11,399.55	5,007.69
27 15 13 00-0651 MLF 250 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	21,684.57	9,223.95
27 15 13 00-0652 MLF 500 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	31,708.09	12,206.59
27 15 13 00-0653 MLF 750 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	41,840.88	15,382.16
27 15 13 00-0654 MLF 1200 Pair #22 AWG, Solid, Non-Shielded, Plenum Rated, Low Voltage, Alarm And Communications Cable, Installed In Conduit.....	58,564.65	21,098.19

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 13 00-0655			<b>Sound System Cables</b> (27 15 13) Note: Cables shall be type CL2 or CM and as manufactured by West Penn Wire, Belden or approved equal.		
27 15 13 00-0656			<b>Speaker/Communications And Control Cable, Installed Exposed</b> (27 15 13 00-0655)		
27 15 13 00-0657			<b>Non-Plenum Rated Speaker/Communications And Control Cable, Installed Exposed</b> (27 15 13 00-0656)		
27 15 13 00-0658	MLF		2 Conductor, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,286.73	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0659	MLF		2 Conductor, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,180.42	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0660	MLF		2 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,098.42	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0661	MLF		4 Conductor, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,188.09	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0662	MLF		4 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,476.31	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0663	MLF		6 Conductor, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,763.59	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0664	MLF		4 Conductor, #20 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,477.53	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0665	MLF		4 Conductor, #22 AWG, Stranded, 2 Shielded, 2 Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,339.13	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0666			<b>Plenum Rated Speaker/Communications And Control Cable, Installed Exposed</b> (27 15 13 00-0656)		
27 15 13 00-0667	MLF		2 Conductor, #16 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,330.65	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0668	MLF		2 Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,208.35	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0669	MLF		2 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,139.13	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0670	MLF		4 Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,254.64	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0671	MLF		8 Conductors, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,498.68	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0672	MLF		2 Conductors, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,471.75	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0673	MLF		2 Conductors, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,302.59	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0674	MLF		4 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,590.14	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0675	MLF		6 Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,876.90	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0676	MLF		2 Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,173.84	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0677	MLF		2 Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed Exposed .....	2,230.98	985.76
			<i>For Work In Restricted Working Space, Add</i> .....	591.46	
27 15 13 00-0678			<b>Speaker/Communications And Control Cable, Installed In Conduit</b> (27 15 13 00-0655)		
27 15 13 00-0679			<b>Non-Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit</b> (27 15 13 00-0678)		
27 15 13 00-0680	MLF		2 Conductors, #16 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,300.96	492.89
27 15 13 00-0681	MLF		2 Conductors, #18 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,194.65	492.89
27 15 13 00-0682	MLF		2 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,112.65	492.89
27 15 13 00-0683	MLF		4 Conductors, #22 AWG, Stranded, Unshielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,202.32	492.89
27 15 13 00-0684	MLF		4 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,490.54	492.89
27 15 13 00-0685	MLF		6 Conductors, #18 AWG, Stranded, Shielded, Non-Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,777.82	492.89
27 15 13 00-0686	MLF		4 Conductors (2 Shielded, 2 Unshielded), #20 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit.....	1,491.76	492.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 13 00-0687	MLF	4	Conductors (2 Shielded, 2 Unshielded), #22 AWG, Stranded, Non-Plenum Rated, Microphone/Communications Cable, Installed In Conduit .....	1,353.36	492.89
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**27 15 13 00-0688 Plenum Rated Speaker/Communications And Control Cable, Installed In Conduit** (27 15 13 00-0678)

27 15 13 00-0689	MLF	2	Conductor, #6 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,344.88	492.89
27 15 13 00-0690	MLF	2	Conductor, #18 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,222.58	492.89
27 15 13 00-0691	MLF	2	Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,153.36	492.89
27 15 13 00-0692	MLF	4	Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,268.87	492.89
27 15 13 00-0693	MLF	8	Conductor, #22 AWG, Stranded, Unshielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,512.91	492.89
27 15 13 00-0694	MLF	2	Conductor, #16 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,485.98	492.89
27 15 13 00-0695	MLF	2	Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,316.82	492.89
27 15 13 00-0696	MLF	4	Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,604.37	492.89
27 15 13 00-0697	MLF	6	Conductor, #18 AWG, Stranded, Shielded, Plenum Rated, Speaker/Communications And Control Cable, Installed In Conduit.....	1,891.13	492.89
27 15 13 00-0698	MLF	2	Conductor, #20 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,245.21	492.89
27 15 13 00-0699	MLF	2	Conductor, #22 AWG, Stranded, Shielded, Plenum Rated, Microphone/Communications And Control Cable, Installed In Conduit.....	1,188.07	492.89

**27 15 23 Communications Optical Fiber Horizontal Cabling** (27 15)

Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.

**27 15 23 00-0001 Indoor Fiber Optic Cable** (27 15 23)

Note: Distribution cables contain multiple tight-buffered fibers bundled under the same jacket with Kevlar strength members. Break-out cables contain multiple individually reinforced and jacketed simplex cables bundled together.

**27 15 23 00-0002 Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0001)

Note: Excludes conduit or innerduct.

**27 15 23 00-0003 Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0002)

**27 15 23 00-0004 Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0003)

**27 15 23 00-0005 Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0004)

27 15 23 00-0006	MLF	1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,248.01	554.92
27 15 23 00-0007	MLF	2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,345.39	554.92
27 15 23 00-0008	MLF	4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,377.91	554.92
27 15 23 00-0009	MLF	6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,493.70	554.92
		<i>For Aluminum Armored Cable, Add</i>		803.07	
		<i>For Steel Armored Cable, Add</i>		1,626.50	
27 15 23 00-0010	MLF	8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,526.90	554.92
27 15 23 00-0011	MLF	12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,727.59	554.92
		<i>For Aluminum Armored Cable, Add</i>		838.01	
		<i>For Steel Armored Cable, Add</i>		1,701.24	
27 15 23 00-0012	MLF	18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		2,853.09	647.41
27 15 23 00-0013	MLF	24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		3,925.12	647.41
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,839.80	
		<i>For Steel Armored Cable, Add</i>		2,251.21	
27 15 23 00-0014	MLF	36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		4,739.86	647.41
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>		1,939.49	
		<i>For Steel Armored Cable, Add</i>		2,026.29	
27 15 23 00-0015	MLF	48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		4,897.88	647.41
		<i>For Aluminum Armored Cable With Sub-Units, Add</i>		2,034.91	
		<i>For Steel Armored Cable, Add</i>		2,122.54	
27 15 23 00-0016	MLF	60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		5,894.37	647.41
27 15 23 00-0017	MLF	72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		6,159.37	647.41
27 15 23 00-0018	MLF	96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		7,553.26	647.41
27 15 23 00-0019	MLF	120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		10,103.56	739.90
27 15 23 00-0020	MLF	144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		12,004.36	739.90

**27 15 23 00-0021 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit** (27 15 23 00-0004)

27 15 23 00-0022	MLF	1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,276.05	554.92
27 15 23 00-0023	MLF	2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,393.22	554.92
27 15 23 00-0024	MLF	4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,671.31	554.92
27 15 23 00-0025	MLF	6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....		1,964.03	554.92
		<i>For Aluminum Armored Cable, Add</i>		950.35	
		<i>For Steel Armored Cable, Add</i>		1,254.83	

## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0026	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,242.11	554.92
27 15 23 00-0027	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,812.91	554.92
			<i>For Aluminum Armored Cable, Add</i>	925.14	
			<i>For Steel Armored Cable, Add</i>	1,321.88	
27 15 23 00-0028	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,113.41	647.41
27 15 23 00-0029	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,177.09	647.41
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	940.73	
			<i>For Steel Armored Cable, Add</i>	940.73	
27 15 23 00-0030	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,226.13	647.41
27 15 23 00-0031	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,275.17	647.41
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,678.75	
27 15 23 00-0032	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,324.21	647.41
27 15 23 00-0033	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,373.25	647.41
27 15 23 00-0034	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,485.97	647.41
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	7,230.18	
27 15 23 00-0035	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,738.20	739.90
27 15 23 00-0036	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	25,836.28	739.90
27 15 23 00-0037			<b>62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0004)		
27 15 23 00-0038	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,293.61	554.92
27 15 23 00-0039	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,416.64	554.92
27 15 23 00-0040	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,708.63	554.92
27 15 23 00-0041	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,015.98	554.92
27 15 23 00-0042	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,307.97	554.92
27 15 23 00-0043	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,907.32	554.92
27 15 23 00-0044	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,215.13	647.41
27 15 23 00-0045	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,381.99	647.41
27 15 23 00-0046	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,533.49	647.41
27 15 23 00-0047	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,684.98	647.41
27 15 23 00-0048	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,836.47	647.41
27 15 23 00-0049	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	13,987.96	647.41
27 15 23 00-0050	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,306.31	647.41
27 15 23 00-0051	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,763.45	739.90
27 15 23 00-0052	MLF		144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,066.43	739.90
27 15 23 00-0053			<b>Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0003)		
27 15 23 00-0054			<b>Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0053)		
27 15 23 00-0055	MLF		2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,150.59	554.92
27 15 23 00-0056	MLF		4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,513.79	554.92
27 15 23 00-0057	MLF		6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,312.79	554.92
27 15 23 00-0058	MLF		8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,694.11	554.92
27 15 23 00-0059	MLF		12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,291.88	554.92
27 15 23 00-0060	MLF		18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,662.93	647.41
27 15 23 00-0061	MLF		24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,336.59	647.41
27 15 23 00-0062	MLF		36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,656.66	647.41
27 15 23 00-0063	MLF		48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,244.34	647.41
27 15 23 00-0064			<b>50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0053)		
27 15 23 00-0065	MLF		2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,510.37	554.92
27 15 23 00-0066	MLF		4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,010.28	554.92
27 15 23 00-0067	MLF		6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,834.51	554.92
27 15 23 00-0068	MLF		8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,059.54	554.92



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0069 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,568.26	554.92
27 15 23 00-0070 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,410.54	647.41
27 15 23 00-0071 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,246.45	647.41
27 15 23 00-0072 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,501.67	647.41
27 15 23 00-0073 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,890.64	647.41
<b>27 15 23 00-0074 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0053)</sup>		
27 15 23 00-0075 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,589.65	554.92
27 15 23 00-0076 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,114.55	554.92
27 15 23 00-0077 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,979.99	554.92
27 15 23 00-0078 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,266.27	554.92
27 15 23 00-0079 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,800.43	554.92
27 15 23 00-0080 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,727.12	647.41
27 15 23 00-0081 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,654.83	647.41
27 15 23 00-0082 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,972.80	647.41
27 15 23 00-0083 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,631.22	647.41
<b>27 15 23 00-0084 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0002)</sup>		
<b>27 15 23 00-0085 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0084)</sup>		
<b>27 15 23 00-0086 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0085)</sup>		
27 15 23 00-0087 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,210.71	554.92
27 15 23 00-0088 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,215.03	554.92
27 15 23 00-0089 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,441.47	554.92
27 15 23 00-0090 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,467.97	554.92
<i>For Aluminum Armored Cable, Add</i>	<i>1,135.65</i>	
<i>For Steel Armored Cable, Add</i>	<i>5,118.61</i>	
27 15 23 00-0091 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,601.35	554.92
27 15 23 00-0092 MLF 12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,626.31	554.92
<i>For Aluminum Armored Cable, Add</i>	<i>1,211.11</i>	
<i>For Steel Armored Cable, Add</i>	<i>5,497.73</i>	
27 15 23 00-0093 MLF 18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,365.73	647.41
27 15 23 00-0094 MLF 24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,223.25	647.41
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>855.49</i>	
<i>For Steel Armored Cable, Add</i>	<i>5,843.85</i>	
27 15 23 00-0095 MLF 36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,493.01	647.41
27 15 23 00-0096 MLF 48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,652.89	647.41
<i>For Aluminum Armored Cable With Sub-Units, Add</i>	<i>1,311.65</i>	
<i>For Steel Armored Cable, Add</i>	<i>7,357.77</i>	
27 15 23 00-0097 MLF 60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,954.03	647.41
27 15 23 00-0098 MLF 72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,343.24	647.41
27 15 23 00-0099 MLF 96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,230.30	647.41
<b>27 15 23 00-0100 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <sup>(27 15 23 00-0085)</sup>		
27 15 23 00-0101 MLF 1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,274.16	554.92
27 15 23 00-0102 MLF 2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,685.26	554.92
27 15 23 00-0103 MLF 4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,151.08	554.92
27 15 23 00-0104 MLF 6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,626.24	554.92
<i>For Aluminum Armored Cable, Add</i>	<i>291.02</i>	
<i>For Steel Armored Cable, Add</i>	<i>662.85</i>	
27 15 23 00-0105 MLF 8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,081.54	554.92
27 15 23 00-0106 MLF 12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,477.12	554.92
<i>For Aluminum Armored Cable, Add</i>	<i>235.59</i>	
<i>For Steel Armored Cable, Add</i>	<i>657.67</i>	
27 15 23 00-0107 MLF 18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,409.87	647.41



## 27 Communications

## 27 10 Structured Cabling

## 27 15 Communications Horizontal Cabling

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0108	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,788.65	647.41
			<i>For Aluminum Armored Cable With Sub-Units, Add</i> .....	1,993.24	
			<i>For Steel Armored Cable, Add</i> .....	4,648.82	
27 15 23 00-0109	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,143.47	647.41
27 15 23 00-0110	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	14,498.29	647.41
			<i>For Aluminum Armored Cable With Sub-Units, Add</i> .....	5,918.86	
27 15 23 00-0111	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	17,853.11	647.41
27 15 23 00-0112	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,207.93	647.41
27 15 23 00-0113	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	27,941.53	647.41
			<i>For Aluminum Armored Cable With Sub-Units, Add</i> .....	11,837.72	
<b>27 15 23 00-0114</b>			<b>62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0085)</small>		
27 15 23 00-0115	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,291.63	554.92
27 15 23 00-0116	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	1,723.28	554.92
27 15 23 00-0117	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,212.39	554.92
27 15 23 00-0118	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	2,711.31	554.92
27 15 23 00-0119	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,189.37	554.92
27 15 23 00-0120	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,604.73	554.92
27 15 23 00-0121	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,576.41	647.41
27 15 23 00-0122	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,124.13	647.41
27 15 23 00-0123	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,646.69	647.41
27 15 23 00-0124	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,169.25	647.41
27 15 23 00-0125	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,691.81	647.41
27 15 23 00-0126	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,214.38	647.41
27 15 23 00-0127	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	29,284.66	647.41
<b>27 15 23 00-0128</b>			<b>Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0084)</small>		
<b>27 15 23 00-0129</b>			<b>Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0130	MLF		2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,261.32	554.92
27 15 23 00-0131	MLF		4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	3,703.21	554.92
27 15 23 00-0132	MLF		6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	4,765.51	554.92
27 15 23 00-0133	MLF		8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,806.61	554.92
27 15 23 00-0134	MLF		12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	7,468.17	554.92
27 15 23 00-0135	MLF		18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,594.35	647.41
27 15 23 00-0136	MLF		24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,169.87	647.41
27 15 23 00-0137	MLF		36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,299.88	647.41
27 15 23 00-0138	MLF		48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	22,773.07	647.41
<b>27 15 23 00-0139</b>			<b>50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0140	MLF		2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,223.09	554.92
27 15 23 00-0141	MLF		4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,478.30	554.92
27 15 23 00-0142	MLF		6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	8,718.79	554.92
27 15 23 00-0143	MLF		8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,860.67	554.92
27 15 23 00-0144	MLF		12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	11,632.09	554.92
27 15 23 00-0145	MLF		18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	15,888.14	647.41
27 15 23 00-0146	MLF		24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	18,628.10	647.41
27 15 23 00-0147	MLF		36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	20,530.47	647.41
27 15 23 00-0148	MLF		48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	32,710.17	647.41

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0149			<b>62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0128)</small>		
27 15 23 00-0150	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	5,438.00	554.92
27 15 23 00-0151	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	6,755.97	554.92
27 15 23 00-0152	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	9,108.48	554.92
27 15 23 00-0153	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	10,307.46	554.92
27 15 23 00-0154	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	12,167.45	554.92
27 15 23 00-0155	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	16,628.60	647.41
27 15 23 00-0156	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	19,505.55	647.41
27 15 23 00-0157	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	21,503.05	647.41
27 15 23 00-0158	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed In Conduit.....	34,291.73	647.41
27 15 23 00-0159			<b>Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small>		
			Note: For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0160			<b>Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0159)</small>		
27 15 23 00-0161			<b>Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
27 15 23 00-0162			<b>Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0163	MLF		1-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,556.30	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0164	MLF		2-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,653.68	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0165	MLF		4-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,686.20	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0166	MLF		6-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,801.99	739.90
			<i>For Aluminum Armored Cable, Add</i>	803.07	
			<i>For Steel Armored Cable, Add</i>	1,626.50	
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0167	MLF		8-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,835.19	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0168	MLF		12-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,035.88	739.90
			<i>For Aluminum Armored Cable, Add</i>	838.01	
			<i>For Steel Armored Cable, Add</i>	1,701.24	
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0169	MLF		18-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	3,161.39	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0170	MLF		24-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	4,233.42	832.38
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,839.80	
			<i>For Steel Armored Cable, Add</i>	2,251.21	
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0171	MLF		36-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,048.16	832.38
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	1,939.49	
			<i>For Steel Armored Cable, Add</i>	2,026.29	
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0172	MLF		48-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,206.18	832.38
			<i>For Aluminum Armored Cable With Sub-Units, Add</i>	2,034.91	
			<i>For Steel Armored Cable, Add</i>	2,122.54	
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0173	MLF		60-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,202.67	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0174	MLF		72-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	6,467.67	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0175	MLF		96-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,861.56	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0176	MLF		120-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,411.85	924.87
			<i>For Work In Restricted Working Space, Add</i>	462.44	
27 15 23 00-0177	MLF		144-Fiber, Singlemode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,312.65	924.87
			<i>For Work In Restricted Working Space, Add</i>	462.44	
27 15 23 00-0178			<b>50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0179	MLF		1-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,584.34	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0180	MLF		2-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,701.51	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0181	MLF		4-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	1,979.60	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0182	MLF		6-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	2,272.32	739.90
			<i>For Aluminum Armored Cable, Add</i>	950.35	
			<i>For Steel Armored Cable, Add</i>	1,254.83	
			<i>For Work In Restricted Working Space, Add</i>	369.95	

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0183	MLF		8-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,550.40 369.95	739.90
27 15 23 00-0184	MLF		12-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,121.20 925.14 1,321.88 369.95	739.90
27 15 23 00-0185	MLF		18-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,421.71 416.19	832.38
27 15 23 00-0186	MLF		24-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	5,485.39 940.73 940.73 416.19	832.38
27 15 23 00-0187	MLF		36-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	7,534.43 416.19	832.38
27 15 23 00-0188	MLF		48-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,583.47 1,678.75 416.19	832.38
27 15 23 00-0189	MLF		60-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	11,632.51 416.19	832.38
27 15 23 00-0190	MLF		72-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	13,681.55 416.19	832.38
27 15 23 00-0191	MLF		96-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	17,794.27 7,230.18 416.19	832.38
27 15 23 00-0192	MLF		120-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	22,046.49 462.44	924.87
27 15 23 00-0193	MLF		144-Fiber, 50 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	26,144.57 462.44	924.87
27 15 23 00-0194			<b>62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0161)</small>		
27 15 23 00-0195	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,601.90 369.95	739.90
27 15 23 00-0196	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	1,724.93 369.95	739.90
27 15 23 00-0197	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,016.92 369.95	739.90
27 15 23 00-0198	MLF		6-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,324.27 369.95	739.90
27 15 23 00-0199	MLF		8-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,616.26 369.95	739.90
27 15 23 00-0200	MLF		12-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,215.61 369.95	739.90
27 15 23 00-0201	MLF		18-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	3,523.43 416.19	832.38
27 15 23 00-0202	MLF		24-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	5,690.29 416.19	832.38
27 15 23 00-0203	MLF		36-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	7,841.79 416.19	832.38
27 15 23 00-0204	MLF		48-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	9,993.28 416.19	832.38
27 15 23 00-0205	MLF		60-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	12,144.77 416.19	832.38
27 15 23 00-0206	MLF		72-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	14,296.26 416.19	832.38
27 15 23 00-0207	MLF		96-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	18,614.61 416.19	832.38
27 15 23 00-0208	MLF		120-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	23,071.74 462.44	924.87
27 15 23 00-0209	MLF		144-Fiber, 62.5 Micron Multimode, Distribution Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	27,374.72 462.44	924.87
27 15 23 00-0210			<b>Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0160)</small>		
27 15 23 00-0211			<b>Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0212	MLF		2-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed ..... <i>For Work In Restricted Working Space, Add</i>	2,458.88 369.95	739.90

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0213 MLF 4-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,822.08 369.95	739.90
27 15 23 00-0214 MLF 6-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,621.08 369.95	739.90
27 15 23 00-0215 MLF 8-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,002.40 369.95	739.90
27 15 23 00-0216 MLF 12-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,600.17 369.95	739.90
27 15 23 00-0217 MLF 18-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,971.23 416.19	832.38
27 15 23 00-0218 MLF 24-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,644.89 416.19	832.38
27 15 23 00-0219 MLF 36-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,964.96 416.19	832.38
27 15 23 00-0220 MLF 48-Fiber, Singlemode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	14,552.64 416.19	832.38
<b>27 15 23 00-0221 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0222 MLF 2-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,818.66 369.95	739.90
27 15 23 00-0223 MLF 4-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,318.57 369.95	739.90
27 15 23 00-0224 MLF 6-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,142.80 369.95	739.90
27 15 23 00-0225 MLF 8-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,367.83 369.95	739.90
27 15 23 00-0226 MLF 12-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,876.55 369.95	739.90
27 15 23 00-0227 MLF 18-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	7,718.84 416.19	832.38
27 15 23 00-0228 MLF 24-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,554.75 416.19	832.38
27 15 23 00-0229 MLF 36-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	10,809.97 416.19	832.38
27 15 23 00-0230 MLF 48-Fiber, 50 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,198.94 416.19	832.38
<b>27 15 23 00-0231 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0210)</small>		
27 15 23 00-0232 MLF 2-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	2,897.94 369.95	739.90
27 15 23 00-0233 MLF 4-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	3,422.84 369.95	739.90
27 15 23 00-0234 MLF 6-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	4,288.28 369.95	739.90
27 15 23 00-0235 MLF 8-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	5,574.56 369.95	739.90
27 15 23 00-0236 MLF 12-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	6,108.72 369.95	739.90
27 15 23 00-0237 MLF 18-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	8,035.42 416.19	832.38
27 15 23 00-0238 MLF 24-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	9,963.13 416.19	832.38
27 15 23 00-0239 MLF 36-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	11,281.10 416.19	832.38
27 15 23 00-0240 MLF 48-Fiber, 62.5 Micron Multimode, Break-Out Riser Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	16,939.52 416.19	832.38
27 15 23 00-0241 Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0159)</small>		
27 15 23 00-0242 Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0241)</small>		
27 15 23 00-0243 Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <small>(27 15 23 00-0242)</small>		
27 15 23 00-0244 MLF 1-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,519.00 369.95	739.90
27 15 23 00-0245 MLF 2-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,523.32 369.95	739.90
27 15 23 00-0246 MLF 4-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,749.76 369.95	739.90
27 15 23 00-0247 MLF 6-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,776.26 1,135.65 5,118.61 369.95	739.90
27 15 23 00-0248 MLF 8-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	1,909.64 369.95	739.90



**27 Communications**

**27 10 Structured Cabling**

**27 15 Communications Horizontal Cabling**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0249	MLF		12-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	1,934.60 1,211.11 5,497.73 369.95	739.90
27 15 23 00-0250	MLF		18-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,674.03 416.19	832.38
27 15 23 00-0251	MLF		24-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	4,531.55 855.49 5,843.85 416.19	832.38
27 15 23 00-0252	MLF		36-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	6,801.31 416.19	832.38
27 15 23 00-0253	MLF		48-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	9,961.19 1,311.65 7,357.77 416.19	832.38
27 15 23 00-0254	MLF		60-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	8,262.33 416.19	832.38
27 15 23 00-0255	MLF		72-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	9,651.54 416.19	832.38
27 15 23 00-0256	MLF		96-Fiber, Singlemode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	12,538.60 416.19	832.38
<b>27 15 23 00-0257 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)</b>					
27 15 23 00-0258	MLF		1-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,582.45 369.95	739.90
27 15 23 00-0259	MLF		2-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,993.55 369.95	739.90
27 15 23 00-0260	MLF		4-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,459.37 369.95	739.90
27 15 23 00-0261	MLF		6-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	2,934.53 291.02 662.85 369.95	739.90
27 15 23 00-0262	MLF		8-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	3,389.83 369.95	739.90
27 15 23 00-0263	MLF		12-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	3,785.41 235.59 657.67 369.95	739.90
27 15 23 00-0264	MLF		18-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	4,718.17 416.19	832.38
27 15 23 00-0265	MLF		24-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Steel Armored Cable, Add</i> <i>For Work In Restricted Working Space, Add</i>	8,096.95 1,993.24 4,648.82 416.19	832.38
27 15 23 00-0266	MLF		36-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	11,451.77 416.19	832.38
27 15 23 00-0267	MLF		48-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	14,806.59 5,918.86 416.19	832.38
27 15 23 00-0268	MLF		60-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	18,161.41 416.19	832.38
27 15 23 00-0269	MLF		72-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i> <i>For Work In Restricted Working Space, Add</i>	21,516.23 416.19 416.19	832.38
27 15 23 00-0270	MLF		96-Fiber, 50 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i> <i>For Aluminum Armored Cable With Sub-Units, Add</i> <i>For Work In Restricted Working Space, Add</i>	28,249.83 416.19 11,837.72 416.19	832.38
<b>27 15 23 00-0271 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed (27 15 23 00-0242)</b>					
27 15 23 00-0272	MLF		1-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	1,599.92 369.95	739.90
27 15 23 00-0273	MLF		2-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,031.57 369.95	739.90
27 15 23 00-0274	MLF		4-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed..... <i>For Work In Restricted Working Space, Add</i>	2,520.68 369.95	739.90



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0275	MLF	6-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,019.60	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0276	MLF	8-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,497.66	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0277	MLF	12-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,913.02	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0278	MLF	18-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,884.71	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0279	MLF	24-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	8,432.43	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0280	MLF	36-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,954.99	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0281	MLF	48-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,477.55	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0282	MLF	60-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	19,000.11	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0283	MLF	72-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	22,522.68	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0284	MLF	96-Fiber, 62.5 Micron Multimode, Distribution Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	29,592.96	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0285		<b>Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0241)</small>		
27 15 23 00-0286		<b>Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0287	MLF	2-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	3,569.61	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0288	MLF	4-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	4,011.50	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0289	MLF	6-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,073.80	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0290	MLF	8-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,114.90	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0291	MLF	12-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	7,776.46	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0292	MLF	18-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,902.65	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0293	MLF	24-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	15,478.17	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0294	MLF	36-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,608.18	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0295	MLF	48-Fiber, Singlemode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	23,081.37	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0296		<b>50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		
27 15 23 00-0297	MLF	2-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	5,531.38	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0298	MLF	4-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	6,786.59	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0299	MLF	6-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	9,027.08	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0300	MLF	8-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	10,168.96	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0301	MLF	12-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	11,940.38	739.90
		<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0302	MLF	18-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	16,196.44	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0303	MLF	24-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	18,936.40	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0304	MLF	36-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	20,838.77	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0305	MLF	48-Fiber, 50 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed	33,018.47	832.38
		<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0306		<b>62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0285)</small>		

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0307	MLF		2-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	5,746.29	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0308	MLF		4-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	7,064.26	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0309	MLF		6-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	9,416.77	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0310	MLF		8-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	10,615.75	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0311	MLF		12-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	12,475.74	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0312	MLF		18-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	16,936.90	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0313	MLF		24-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	19,813.85	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0314	MLF		36-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	21,811.35	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0315	MLF		48-Fiber, 62.5 Micron Multimode, Break-Out Plenum Rated, Tight Buffer, Indoor Fiber Optic Cable, Installed Exposed.....	34,600.03	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0316			<b>Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0317			<b>Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>		
27 15 23 00-0318	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	1,716.31	554.92
27 15 23 00-0319	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,786.70	554.92
27 15 23 00-0320	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	6,236.72	647.41
27 15 23 00-0321	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	9,715.24	647.41
27 15 23 00-0322			<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0316)</small>		
27 15 23 00-0323	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,012.43	554.92
27 15 23 00-0324	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	2,828.37	554.92
27 15 23 00-0325	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	7,364.73	647.41
27 15 23 00-0326	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed In Conduit.....	12,557.68	647.41
27 15 23 00-0327			<b>Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0001)</small> Note: Singlemode and multimode combination cable. For non-conduit installations such as cable trays, surface runways, etc.		
27 15 23 00-0328			<b>Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>		
27 15 23 00-0329	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,024.60	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0330	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,094.99	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0331	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	6,545.02	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0332	MLF		48-Fiber, 24 Singlemode/24 Multimode, Distribution Riser Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	10,023.54	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	
27 15 23 00-0333			<b>Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed</b> <small>(27 15 23 00-0327)</small>		
27 15 23 00-0334	MLF		6-Fiber, 2 Singlemode/4 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	2,320.72	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0335	MLF		12-Fiber, 6 Singlemode/6 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	3,136.66	739.90
			<i>For Work In Restricted Working Space, Add</i>	369.95	
27 15 23 00-0336	MLF		24-Fiber, 12 Singlemode/12 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed.....	7,673.03	832.38
			<i>For Work In Restricted Working Space, Add</i>	416.19	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0337	MLF	48-Fiber, 24 Singlemode/24 Multimode, Distribution Plenum Rated, Hybrid, Indoor Fiber Optic Cable, Installed Exposed <i>For Work In Restricted Working Space, Add</i>	12,865.98 416.19	832.38
<b>27 15 23 00-0338</b>		<b>Outdoor Fiber Optic Cable</b> <small>(27 15 23)</small> Note: Cable buried in trench excludes excavation.		
<b>27 15 23 00-0339</b>		<b>Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0338)</small> Note: Excludes conduit or innerduct.		
<b>27 15 23 00-0340</b>		<b>Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0339)</small>		
<b>27 15 23 00-0341</b>		<b>Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0342	MLF	2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,429.68 283.28	1,109.84
27 15 23 00-0343	MLF	4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,464.94 285.63	1,109.84
27 15 23 00-0344	MLF	6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,500.26 287.90	1,109.84
27 15 23 00-0345	MLF	8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,535.55 290.66	1,109.84
27 15 23 00-0346	MLF	12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,605.68 263.01	1,109.84
27 15 23 00-0347	MLF	18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,749.13 293.03	1,109.84
27 15 23 00-0348	MLF	24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,822.86 230.68	1,109.84
27 15 23 00-0349	MLF	36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,845.61 269.63	1,109.84
27 15 23 00-0350	MLF	48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,267.61 296.64	1,109.84
27 15 23 00-0351	MLF	60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,500.27 296.61	1,109.84
27 15 23 00-0352	MLF	72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,802.13 350.57	1,109.84
27 15 23 00-0353	MLF	96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,333.54 336.58	1,109.84
27 15 23 00-0354	MLF	120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,914.19 408.71	1,109.84
27 15 23 00-0355	MLF	144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,521.89 273.59	1,109.84
<b>27 15 23 00-0356</b>		<b>50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0357	MLF	2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,232.49 -4.02	1,109.84
27 15 23 00-0358	MLF	4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,310.98 41.21	1,109.84
27 15 23 00-0359	MLF	6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,475.41 106.57	1,109.84
27 15 23 00-0360	MLF	8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,699.64 -64.62	1,109.84
27 15 23 00-0361	MLF	12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,793.07 -34.32	1,109.84
27 15 23 00-0362	MLF	18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,110.74 -16.15	1,109.84
27 15 23 00-0363	MLF	24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,783.43 -87.85	1,109.84
27 15 23 00-0364	MLF	36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,773.79 0.01	1,109.84
27 15 23 00-0365	MLF	48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,876.26 -200.97	1,109.84
27 15 23 00-0366	MLF	60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,642.39 -100.97	1,109.84
27 15 23 00-0367	MLF	72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,632.75 464.14	1,109.84
27 15 23 00-0368	MLF	96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,931.13 -208.04	1,109.84
27 15 23 00-0369	MLF	120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	13,210.82 -278.22	1,109.84
27 15 23 00-0370	MLF	144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	15,490.51 -330.75	1,109.84
<b>27 15 23 00-0371</b>		<b>62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0340)</small>		
27 15 23 00-0372	MLF	2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,184.97 121.14	1,109.84
27 15 23 00-0373	MLF	4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,301.44 129.91	1,109.84
27 15 23 00-0374	MLF	6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,417.73 138.47	1,109.84
27 15 23 00-0375	MLF	8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,561.39 157.64	1,109.84

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0376	MLF		12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,767.13 164.38	1,109.84
27 15 23 00-0377	MLF		18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,130.88 175.19	1,109.84
27 15 23 00-0378	MLF		24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,475.45 201.47	1,109.84
27 15 23 00-0379	MLF		36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,134.90 223.88	1,109.84
27 15 23 00-0380	MLF		48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,906.23 257.42	1,109.84
27 15 23 00-0381	MLF		60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,618.65 277.00	1,109.84
27 15 23 00-0382	MLF		72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,370.58 313.52	1,109.84
27 15 23 00-0383	MLF		96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,891.37 352.51	1,109.84
27 15 23 00-0384	MLF		120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,436.58 400.06	1,109.84
27 15 23 00-0385	MLF		144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,005.64 367.48	1,109.84
27 15 23 00-0386			<b>Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0386)</small>		
27 15 23 00-0387			<b>Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0387)</small>		
27 15 23 00-0388	MLF		2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,631.64 223.86	1,109.84
27 15 23 00-0389	MLF		4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,700.41 321.31	1,109.84
27 15 23 00-0390	MLF		6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,721.06 307.93	1,109.84
27 15 23 00-0391	MLF		8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,803.44 256.34	1,109.84
27 15 23 00-0392	MLF		12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,829.15 306.37	1,109.84
27 15 23 00-0393	MLF		18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,944.60 290.57	1,109.84
27 15 23 00-0394	MLF		24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,048.12 294.02	1,109.84
27 15 23 00-0395	MLF		36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,213.26 372.85	1,109.84
27 15 23 00-0396	MLF		48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,445.92 377.71	1,109.84
27 15 23 00-0397	MLF		60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,677.68 391.31	1,109.84
27 15 23 00-0398	MLF		72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,991.88 336.59	1,109.84
27 15 23 00-0399	MLF		96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,500.12 438.97	1,109.84
27 15 23 00-0400	MLF		120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,165.03 432.24	1,109.84
27 15 23 00-0401	MLF		144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,709.14 345.27	1,109.84
27 15 23 00-0402			<b>50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit</b> <small>(27 15 23 00-0402)</small>		
27 15 23 00-0403	MLF		2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,863.49 316.80	1,109.84
27 15 23 00-0404	MLF		4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,104.26 177.41	1,109.84
27 15 23 00-0405	MLF		6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,421.06 38.02	1,109.84
27 15 23 00-0406	MLF		8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,573.12 63.36	1,109.84
27 15 23 00-0407	MLF		12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,725.19 63.36	1,109.84
27 15 23 00-0408	MLF		18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,080.00 76.03	1,109.84
27 15 23 00-0409	MLF		24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,396.80 291.46	1,109.84
27 15 23 00-0410	MLF		36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,081.09 570.24	1,109.84
27 15 23 00-0411	MLF		48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,765.38 950.40	1,109.84
27 15 23 00-0412	MLF		60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,335.62 1,045.44	1,109.84
27 15 23 00-0413	MLF		72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,083.27 1,330.56	1,109.84
27 15 23 00-0414	MLF		96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,641.92 1,964.16	1,109.84
27 15 23 00-0415	MLF		120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,427.59 1,482.62	1,109.84
27 15 23 00-0416	MLF		144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,442.43 3,611.52	1,109.84



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0417			62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit <small>(27 15 23 00-0386)</small>		
27 15 23 00-0418	MLF		2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,263.61 152.06	1,109.84
27 15 23 00-0419	MLF		4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,377.66 164.38	1,109.84
27 15 23 00-0420	MLF		6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,491.52 176.68	1,109.84
27 15 23 00-0421	MLF		8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,605.57 188.97	1,109.84
27 15 23 00-0422	MLF		12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,901.00 203.26	1,109.84
27 15 23 00-0423	MLF		18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,190.70 238.19	1,109.84
27 15 23 00-0424	MLF		24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,545.67 258.71	1,109.84
27 15 23 00-0425	MLF		36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,232.76 319.65	1,109.84
27 15 23 00-0426	MLF		48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,932.70 366.23	1,109.84
27 15 23 00-0427	MLF		60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,635.05 407.82	1,109.84
27 15 23 00-0428	MLF		72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,373.55 454.78	1,109.84
27 15 23 00-0429	MLF		96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,872.18 536.25	1,109.84
27 15 23 00-0430	MLF		120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,806.48 554.35	1,109.84
27 15 23 00-0431	MLF		144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Installed In Conduit ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,940.05 572.27	1,109.84

27 15 23 00-0432 Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0338)  
Note: Excludes trenching.

27 15 23 00-0433 Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0432)

27 15 23 00-0434 Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)

27 15 23 00-0435	MLF		2-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,275.54 283.28	
27 15 23 00-0436	MLF		4-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,310.80 285.63	
27 15 23 00-0437	MLF		6-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,346.12 287.90	
27 15 23 00-0438	MLF		8-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,381.41 290.66	
27 15 23 00-0439	MLF		12-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,451.54 263.01	
27 15 23 00-0440	MLF		18-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,594.99 293.03	
27 15 23 00-0441	MLF		24-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,668.72 230.68	
27 15 23 00-0442	MLF		36-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,691.47 269.63	
27 15 23 00-0443	MLF		48-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,113.47 296.64	
27 15 23 00-0444	MLF		60-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,642.74 296.61	
27 15 23 00-0445	MLF		72-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,998.56 350.57	
27 15 23 00-0446	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,179.40 336.58	
27 15 23 00-0447	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,760.05 408.71	
27 15 23 00-0448	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,367.75 273.59	

27 15 23 00-0449 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench (27 15 23 00-0433)

27 15 23 00-0450	MLF		2-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,078.35 -4.02	
27 15 23 00-0451	MLF		4-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,156.84 41.21	
27 15 23 00-0452	MLF		6-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,321.27 106.57	
27 15 23 00-0453	MLF		8-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,545.50 -64.62	
27 15 23 00-0454	MLF		12-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,638.93 -34.32	
27 15 23 00-0455	MLF		18-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,956.60 -16.15	
27 15 23 00-0456	MLF		24-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,629.29 -87.85	
27 15 23 00-0457	MLF		36-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,619.65 0.01	



**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

27 15 23 00-0458	MLF 48-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,722.12	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-200.97	
27 15 23 00-0459	MLF 60-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,488.25	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-100.97	
27 15 23 00-0460	MLF 72-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	8,478.61	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	464.14	
27 15 23 00-0461	MLF 96-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,776.99	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-208.04	
27 15 23 00-0462	MLF 120-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	13,056.68	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-278.22	
27 15 23 00-0463	MLF 144-Fiber, 50 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	15,336.37	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	-330.75	

**27 15 23 00-0464 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0433)

27 15 23 00-0465	MLF 2-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,030.83	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	121.14	
27 15 23 00-0466	MLF 4-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,147.30	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	129.91	
27 15 23 00-0467	MLF 6-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,263.59	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	138.47	
27 15 23 00-0468	MLF 8-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,407.25	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	157.64	
27 15 23 00-0469	MLF 12-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,612.99	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	164.38	
27 15 23 00-0470	MLF 18-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,976.74	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	175.19	
27 15 23 00-0471	MLF 24-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,321.31	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	201.47	
27 15 23 00-0472	MLF 36-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,980.76	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	223.88	
27 15 23 00-0473	MLF 48-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,752.09	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	257.42	
27 15 23 00-0474	MLF 60-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,464.51	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	277.00	
27 15 23 00-0475	MLF 72-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	6,216.44	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	313.52	
27 15 23 00-0476	MLF 96-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	7,737.23	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	352.51	
27 15 23 00-0477	MLF 120-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	9,282.44	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	400.06	
27 15 23 00-0478	MLF 144-Fiber, 62.5 Micron Multimode, Single Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	10,851.50	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	367.48	

**27 15 23 00-0479 Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0432)**27 15 23 00-0480 Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0479)

27 15 23 00-0481	MLF 2-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,477.50	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	223.86	
27 15 23 00-0482	MLF 4-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,546.27	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	321.31	
27 15 23 00-0483	MLF 6-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,566.92	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	307.93	
27 15 23 00-0484	MLF 8-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,649.30	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	256.34	
27 15 23 00-0485	MLF 12-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,675.01	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	306.37	
27 15 23 00-0486	MLF 18-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,790.46	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	290.57	
27 15 23 00-0487	MLF 24-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,893.98	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	294.02	
27 15 23 00-0488	MLF 36-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,059.12	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	372.85	
27 15 23 00-0489	MLF 48-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,291.78	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	377.71	
27 15 23 00-0490	MLF 60-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,523.54	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	391.31	
27 15 23 00-0491	MLF 72-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	3,837.74	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	336.59	
27 15 23 00-0492	MLF 96-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	4,345.98	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	438.97	
27 15 23 00-0493	MLF 120-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,010.89	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	432.24	
27 15 23 00-0494	MLF 144-Fiber, Singlemode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	5,555.00	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	345.27	

**27 15 23 00-0495 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0479)

27 15 23 00-0496	MLF 2-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,709.35	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	316.80	
27 15 23 00-0497	MLF 4-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench	2,950.12	
	<i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	177.41	

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 23 00-0498	MLF 6-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,266.92 38.02	
27 15 23 00-0499	MLF 8-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,418.98 63.36	
27 15 23 00-0500	MLF 12-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,571.05 63.36	
27 15 23 00-0501	MLF 18-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,925.86 76.03	
27 15 23 00-0502	MLF 24-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,242.66 291.46	
27 15 23 00-0503	MLF 36-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,926.95 570.24	
27 15 23 00-0504	MLF 48-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,611.24 950.40	
27 15 23 00-0505	MLF 60-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,181.48 1,045.44	
27 15 23 00-0506	MLF 72-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,929.13 1,330.56	
27 15 23 00-0507	MLF 96-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	8,487.78 1,964.16	
27 15 23 00-0508	MLF 120-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,273.45 1,482.62	
27 15 23 00-0509	MLF 144-Fiber, 50 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,288.29 3,611.52	

**27 15 23 00-0510 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench** (27 15 23 00-0479)

27 15 23 00-0511	MLF 2-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,109.47 152.06	
27 15 23 00-0512	MLF 4-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,223.52 164.38	
27 15 23 00-0513	MLF 6-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,337.38 176.68	
27 15 23 00-0514	MLF 8-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,451.43 188.97	
27 15 23 00-0515	MLF 12-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	2,746.86 203.26	
27 15 23 00-0516	MLF 18-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,036.56 238.19	
27 15 23 00-0517	MLF 24-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	3,391.53 258.71	
27 15 23 00-0518	MLF 36-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,078.62 319.65	
27 15 23 00-0519	MLF 48-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	4,778.56 366.23	
27 15 23 00-0520	MLF 60-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	5,480.91 407.82	
27 15 23 00-0521	MLF 72-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	6,219.41 454.78	
27 15 23 00-0522	MLF 96-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	7,718.04 536.25	
27 15 23 00-0523	MLF 120-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	9,314.68 554.35	
27 15 23 00-0524	MLF 144-Fiber, 62.5 Micron Multimode, Double Jacket Loose Tube, Outdoor Fiber Optic Cable, Buried In Trench..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	10,785.91 572.27	

**27 15 23 00-0525 (Aerial) Outdoor Fiber Optic Cable, Installed On Poles** (27 15 23 00-0338)

**27 15 23 00-0526 Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles** (27 15 23 00-0525)

**27 15 23 00-0527 Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles** (27 15 23 00-0526)

27 15 23 00-0528	MLF 2-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,169.53 189.47	3,923.10
27 15 23 00-0529	MLF 4-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,204.57 194.38	3,923.10
27 15 23 00-0530	MLF 6-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,240.08 199.15	3,923.10
27 15 23 00-0531	MLF 8-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,275.13 195.34	3,923.10
27 15 23 00-0532	MLF 12-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,345.24 227.73	3,923.10
27 15 23 00-0533	MLF 18-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,483.70 236.75	3,923.10
27 15 23 00-0534	MLF 24-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,589.29 261.68	3,923.10
27 15 23 00-0535	MLF 36-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	11,840.35 250.91	3,923.10
27 15 23 00-0536	MLF 48-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,059.90 291.49	3,923.10
27 15 23 00-0537	MLF 60-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,241.40 279.52	3,923.10
27 15 23 00-0538	MLF 72-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	12,467.82 319.58	3,923.10

**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 23 00-0539	MLF		96-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	13,062.04 324.58	3,923.10
27 15 23 00-0540	MLF		120-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	13,699.58 387.31	3,923.10
27 15 23 00-0541	MLF		144-Fiber, Singlemode, Single Jacket Loose Tube, (Aerial) Outdoor Fiber Optic Cable, Installed On Poles ..... <i>For Corrugated Coated Steel Tape Armored Cable, Add</i>	13,852.42 415.88	3,923.10
27 15 23 00-0542			<b>Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes conduit or innerduct.		
27 15 23 00-0543			<b>Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0542)		
27 15 23 00-0544	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	4,297.63	924.87
27 15 23 00-0545	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,323.57	924.87
27 15 23 00-0546	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	7,609.00	924.87
27 15 23 00-0547			<b>Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit</b> (27 15 23 00-0542)		
27 15 23 00-0548	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	5,606.17	924.87
27 15 23 00-0549	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	6,189.19	924.87
27 15 23 00-0550	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Installed In Conduit.....	8,739.51	924.87
27 15 23 00-0551			<b>Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0338) Note: Singlemode and multimode combination cable. Excludes trenching.		
27 15 23 00-0552			<b>Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0551)		
27 15 23 00-0553	MLF		12-Fiber, 6 Singlemode/6 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	4,143.49	847.80
27 15 23 00-0554	MLF		24-Fiber, 12 Singlemode/12 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,169.43	847.80
27 15 23 00-0555	MLF		48-Fiber, 24 Singlemode/24 Multimode, Riser Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	7,454.86	847.80
27 15 23 00-0556			<b>Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench</b> (27 15 23 00-0551)		
27 15 23 00-0557	MLF		12-Fiber, 6 Singlemode/6 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	5,452.03	847.80
27 15 23 00-0558	MLF		24-Fiber, 12 Singlemode/12 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	6,035.05	847.80
27 15 23 00-0559	MLF		48-Fiber, 24 Singlemode/24 Multimode, Plenum Rated, Hybrid, Indoor/Outdoor Fiber Optic Cable, Buried In Trench.....	8,585.37	847.80
27 15 33			<b>Communications Coaxial Horizontal Cabling</b> (27 15) Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
27 15 33 00-0001			<b>Indoor Coaxial Cable</b> (27 15 33)		
27 15 33 00-0002			<b>Coaxial Distribution Cable</b> (27 15 33 00-0001) Note: Cables shall be as Belden, Times Fiber, West Penn or approved equal. For tasks installed in conduit, tasks exclude conduit.		
27 15 33 00-0003	MLF		RG-6/U Coaxial Distribution Cable, Installed In Conduit.....	3,435.58	450.64
27 15 33 00-0004	MLF		RG-6A/U Coaxial Distribution Cable, Installed In Conduit.....	13,037.16	450.64
27 15 33 00-0005	MLF		RG-8/U Coaxial Distribution Cable, Installed In Conduit.....	6,804.91	475.99
27 15 33 00-0006	MLF		RG-8A/U Coaxial Distribution Cable, Installed In Conduit.....	8,608.50	475.99
27 15 33 00-0007	MLF		RG-11/U Coaxial Distribution Cable, Installed In Conduit.....	7,618.84	563.30
27 15 33 00-0008	MLF		RG-11A/U Coaxial Distribution Cable, Installed In Conduit.....	11,106.84	563.30
27 15 33 00-0009	MLF		RG-11/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	24,140.33	788.61
27 15 33 00-0010	MLF		RG-58/U Coaxial Distribution Cable, Installed In Conduit.....	2,517.09	394.30
27 15 33 00-0011	MLF		RG-58A/U Coaxial Distribution Cable, Installed In Conduit.....	2,874.48	394.30
27 15 33 00-0012	MLF		RG-58C/U Coaxial Distribution Cable, Installed In Conduit.....	3,504.05	394.30
27 15 33 00-0013	MLF		RG-58/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	8,602.10	788.61
27 15 33 00-0014	MLF		RG-59/U Coaxial Distribution Cable, Installed In Conduit.....	4,186.80	394.30
27 15 33 00-0015	MLF		RG-59/U Coaxial Distribution Cable, Plenum Rated, Installed Exposed.....	10,475.32	788.61
27 15 33 00-0016	MLF		1/2" Hard Line Coaxial, Installed In Conduit.....	3,443.48	563.30
27 15 33 00-0017			<b>Coaxial, Indoor Telecommunications Cable</b> (27 15 33 00-0001)		
27 15 33 00-0018			<b>Coaxial, Indoor Telecommunications Cable, Installed In Conduit</b> (27 15 33 00-0017)		
27 15 33 00-0019	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9108).....	2,079.71	647.41
27 15 33 00-0020	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82108).....	4,934.03	647.41
27 15 33 00-0021	MLF		RG 6/U Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 9114).....	1,715.04	739.90
27 15 33 00-0022	MLF		RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed In Conduit (Belden 82120).....	6,212.57	739.90
27 15 33 00-0023			<b>Coaxial, Indoor Telecommunications Cable, Installed Exposed</b> (27 15 33 00-0017)		
27 15 33 00-0024	MLF		RG 59/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9108)..... <i>For Work In Restricted Working Space, Add</i>	3,158.73 647.41	1,294.82
27 15 33 00-0025	MLF		RG 59/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82108)..... <i>For Work In Restricted Working Space, Add</i>	6,013.05 647.41	1,294.82

	MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 33 00-0026	MLF	RG 6/U Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 9114)..... <i>For Work In Restricted Working Space, Add</i>	2,948.19 739.89	1,479.79
27 15 33 00-0027	MLF	RG 6/U Plenum Coaxial, Indoor Telecommunications Cable, Installed Exposed (Belden 82120)..... <i>For Work In Restricted Working Space, Add</i>	7,445.72 739.89	1,479.79

**27 15 33 00-0028 Outdoor Coaxial Cable** (27 15 33)

**27 15 33 00-0029 Coaxial Cables "Television" Copper Covered Aluminum Center Core** (27 15 33 00-0028)

Note: Corrugated steel armor jacket.

27 15 33 00-0030	MLF	TV Coaxial Trunk Cable 3/4" Diameter, Direct Burial.....	9,245.03	2,108.42
27 15 33 00-0031	MLF	TV Coaxial Distribution Cable 1/2" Diameter, Direct Burial.....	5,746.10	1,483.01
27 15 33 00-0032	MLF	TV Coaxial Distribution Cable 3/8" Diameter, Direct Burial.....	5,058.34	874.94
27 15 33 00-0033	MLF	TV Coaxial Cable Drop 1/4" Diameter, Direct Burial.....	2,554.84	874.94
27 15 33 00-0034	MLF	1/4" Diameter, TV Coaxial Cable Drop, Installed In Conduit.....	3,785.29	1,367.12

**27 15 43 Communications Faceplates and Connectors** (27 15)

**27 15 43 00-0001 Plastic Communications Faceplates** (27 15 43)

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0002	EA	One Port, Single Gang, Plastic Communication Faceplate With Station ID.....	11.33	3.86
27 15 43 00-0003	EA	Two Port, Single Gang, Plastic Communication Faceplate With Station ID.....	11.33	3.86
27 15 43 00-0004	EA	Three Port, Single Gang, Plastic Communication Faceplate With Station ID.....	11.33	3.86
27 15 43 00-0005	EA	Four Port, Single Gang, Plastic Communication Faceplate With Station ID.....	11.33	3.86
27 15 43 00-0006	EA	Six Port, Single Gang, Plastic Communication Faceplate With Station ID.....	11.33	3.86
27 15 43 00-0007	EA	Four Port, Double Gang, Plastic Communications Faceplate With Station ID.....	18.92	3.86
27 15 43 00-0008	EA	Six Port, Double Gang, Plastic Communication Faceplate With Station ID.....	18.92	3.86
27 15 43 00-0009	EA	Eight Port, Double Gang, Plastic Communication Faceplate With Station ID.....	18.92	3.86
27 15 43 00-0010	EA	Nine Port, Double Gang, Plastic Communication Faceplate With Station ID.....	18.92	3.86
27 15 43 00-0011	EA	Twelve Port, Double Gang, Plastic Communication Faceplate With Station ID.....	18.92	3.86

**27 15 43 00-0012 Stainless Steel Communications Faceplates** (27 15 43)

**27 15 43 00-0013 Stainless Steel Communications Faceplates** (27 15 43 00-0012)

Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.

27 15 43 00-0014	EA	One Port, Single Gang, Stainless Steel Communications Faceplate.....	20.07	3.86
27 15 43 00-0015	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate.....	20.07	3.86
27 15 43 00-0016	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate.....	20.07	3.86
27 15 43 00-0017	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate.....	21.36	3.86
27 15 43 00-0018	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate.....	21.36	3.86
27 15 43 00-0019	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate.....	28.25	3.86
27 15 43 00-0020	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate.....	29.06	3.86
27 15 43 00-0021	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate.....	33.39	3.86
27 15 43 00-0022	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate.....	33.39	3.86
27 15 43 00-0023	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate.....	33.39	3.86

**27 15 43 00-0024 Stainless Steel Communications Faceplates With Station ID** (27 15 43 00-0012)

27 15 43 00-0025	EA	One Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.09	3.86
27 15 43 00-0026	EA	Two Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.09	3.86
27 15 43 00-0027	EA	Three Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.09	3.86
27 15 43 00-0028	EA	Four Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.09	3.86
27 15 43 00-0029	EA	Six Port, Single Gang, Stainless Steel Communications Faceplate With Station ID.....	28.09	3.86
27 15 43 00-0030	EA	Four Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	58.73	3.86
27 15 43 00-0031	EA	Six Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	58.73	3.86
27 15 43 00-0032	EA	Eight Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	58.73	3.86
27 15 43 00-0033	EA	Nine Port, Double Gang, Stainless Steel Communication Faceplate With Station ID.....	58.73	3.86
27 15 43 00-0034	EA	Twelve Port, Double Gang, Stainless Steel Communications Faceplate With Station ID.....	58.73	3.86

**27 15 43 00-0035 Snap-In Modular Jacks** (27 15 43)

Note: Includes termination.

27 15 43 00-0036	EA	Cat 3, Snap-In Modular Jack.....	40.03	15.44
27 15 43 00-0037	EA	Category 5E, Snap-In Modular Jack.....	41.80	15.44
27 15 43 00-0038	EA	Category 5E Shielded, Snap-In Modular Jack.....	47.09	15.44
27 15 43 00-0039	EA	Cat 6, Snap-In Modular Jack.....	47.09	15.44
27 15 43 00-0040	EA	Cat 6 Shielded, Snap-In Modular Jack.....	53.03	15.44
27 15 43 00-0041	EA	Cat 6A, Snap-In Modular Jack.....	53.93	15.44
27 15 43 00-0042	EA	Voice, RJ-11, Snap-In Modular Jack.....	28.28	7.72
27 15 43 00-0043	EA	SC Type Fiber Optic, Snap-In Modular Jack.....	44.04	15.44
27 15 43 00-0044	EA	ST Type Fiber Optic, Snap-In Modular Jack.....	48.54	15.44
27 15 43 00-0045	EA	LC Type Fiber Optic, Snap-In Modular Jack.....	57.36	15.44
27 15 43 00-0046	EA	Blank Fill In, Snap-In Modular Jack.....	8.55	3.86
27 15 43 00-0047	EA	Open Cable Pass Through Insert, Snap-In Modular Jack.....	9.98	3.86
27 15 43 00-0048	EA	Coaxial F-Type Coupler, Snap-In Modular Jack.....	32.95	11.58
		Note: Includes female to female connection.		
		<i>For Gold Bulkhead, Add</i>	1.71	
27 15 43 00-0049	EA	RCA Jack Pass-Through Coupler, Snap-In Modular Jack.....	33.27	11.58
		Note: Includes female to female connection.		
27 15 43 00-0050	EA	RCA Solder Coupler, Snap-In Modular Jack.....	69.32	15.44
27 15 43 00-0051	EA	RCA Jack With 110 Punch Down, Snap-In Modular Jack.....	82.31	15.44
27 15 43 00-0052	EA	3.5 m Mini Stereo Jack, Snap-In Modular Jack.....	41.32	15.44
27 15 43 00-0053	EA	MT-RJ Pass-Through Coupler, Snap-In Modular Jack.....	40.27	7.72
27 15 43 00-0054	EA	BNC Connector, Snap-In Modular Jack.....	46.61	15.44



**27 Communications****27 10 Structured Cabling****27 15 Communications Horizontal Cabling**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 15 43 00-0055 EA S-Video With 110 Punch Down, Snap-In Modular Jack.....	51.42	15.44
27 15 43 00-0056 PR Speaker Connectors, Snap-In Modular Jack .....	73.63	23.16
Note: Includes a pair of binding posts, banana jacks or spring clip connectors. Requires two open ports.		
27 15 43 00-0057 EA USB Audio Video Connector, Snap-In Modular Jack.....	73.56	15.44
<b>27 15 43 00-0058 Surface Mount Plastic Communication Boxes</b> (27 15 43)		
Note: Excludes modular jacks. See CSI section 27 15 43 00-0035 for modular jacks.		
27 15 43 00-0059 EA One Port, Surface Mount Plastic Communication Box With Station ID.....	43.18	19.31
27 15 43 00-0060 EA Two Port, Surface Mount Plastic Communication Box With Station ID.....	43.98	19.31
27 15 43 00-0061 EA Four Port, Surface Mount Plastic Communication Box With Station ID.....	49.52	19.31
27 15 43 00-0062 EA Six Port, Surface Mount Plastic Communication Box With Station ID.....	56.10	19.31
27 15 43 00-0063 EA Twelve Port, Surface Mount Plastic Communication Box With Station ID.....	62.99	19.31
<b>27 15 43 00-0064 Wall Mounted Telephone Faceplates</b> (27 15 43)		
Note: Includes standard telephone mounting studs.		
<b>27 15 43 00-0065 Plastic Faceplates For Wall Mounted Telephones</b> (27 15 43 00-0064)		
27 15 43 00-0066 EA Single Gang, 6-Position RJ25 Jack, Flush, Plastic Faceplate For Wall Mounted Telephones.....	51.89	19.27
<b>27 15 43 00-0067 Stainless Steel Faceplates For Wall Mounted Telephones</b> (27 15 43 00-0064)		
27 15 43 00-0068 EA Single Gang, Keystone Opening, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	37.87	7.71
Note: Requires one snap-in modular jack.		
27 15 43 00-0069 EA Single Gang, 6-Position RJ25 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	68.87	19.27
27 15 43 00-0070 EA Single Gang, 8-Position RJ45 Jack, Flush, Stainless Steel Faceplate For Wall Mounted Telephones.....	80.51	23.12
27 15 43 00-0071 EA Single Gang, Keystone Opening, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	36.56	7.71
Note: Requires one snap-in modular jack.		
27 15 43 00-0072 EA Single Gang, 6-Position RJ25 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	63.33	19.27
27 15 43 00-0073 EA Single Gang, 8-Position RJ45 Jack, Recessed, Stainless Steel Faceplate For Wall Mounted Telephones.....	75.12	23.12
<b>27 15 53 Communications Cable Innerduct</b> (27 15)		
Note: Cable installed in conduit includes pull wires and installation in conduit, innerduct, wiremold, etc. Cable installed exposed includes installation on exposed surfaces, uncovered wireways, cable trays, etc.		
<b>27 15 53 00-0001 Indoor Innerduct</b> (27 15 53)		
<b>27 15 53 00-0002 Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0001)		
<b>27 15 53 00-0003 Riser Rated, Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0002)		
27 15 53 00-0004 MLF 1" Riser Rated, Indoor Innerduct, Installed In Conduit.....	5,847.33	2,312.17
27 15 53 00-0005 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed In Conduit.....	7,596.95	3,082.90
27 15 53 00-0006 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	10,023.10	3,853.62
27 15 53 00-0007 MLF 2" Riser Rated, Indoor Innerduct, Installed In Conduit.....	11,746.70	4,624.34
<b>27 15 53 00-0008 Plenum Rated, Indoor Innerduct, Installed In Conduit</b> (27 15 53 00-0002)		
27 15 53 00-0009 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	8,186.39	1,541.45
27 15 53 00-0010 MLF 1" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	9,191.68	2,312.17
27 15 53 00-0011 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	11,666.04	3,082.90
27 15 53 00-0012 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	14,956.67	3,853.62
27 15 53 00-0013 MLF 2" Plenum Rated, Indoor Innerduct, Installed In Conduit.....	17,994.66	4,624.34
<b>27 15 53 00-0014 Indoor Innerduct, Installed Exposed</b> (27 15 53 00-0001)		
<b>27 15 53 00-0015 Riser Rated, Indoor Innerduct, Installed Exposed</b> (27 15 53 00-0014)		
27 15 53 00-0016 MLF 1" Riser Rated, Indoor Innerduct, Installed Exposed.....	7,388.78	3,082.90
For Work In Restricted Working Space, Add		
	1,849.74	
27 15 53 00-0017 MLF 1-1/4" Riser Rated, Indoor Innerduct, Installed Exposed.....	9,138.39	3,853.62
For Work In Restricted Working Space, Add		
	2,312.17	
27 15 53 00-0018 MLF 1-1/2" Riser Rated, Indoor Innerduct, Installed Exposed.....	11,564.55	4,624.34
For Work In Restricted Working Space, Add		
	2,774.60	
27 15 53 00-0019 MLF 2" Riser Rated, Indoor Innerduct, Installed Exposed.....	13,288.14	5,395.07
For Work In Restricted Working Space, Add		
	3,237.04	
<b>27 15 53 00-0020 Plenum Rated, Indoor Innerduct, Installed Exposed</b> (27 15 53 00-0014)		
27 15 53 00-0021 MLF 3/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	9,727.84	2,312.17
27 15 53 00-0022 MLF 1" Plenum Rated, Indoor Innerduct, Installed Exposed.....	10,733.13	3,082.90
For Work In Restricted Working Space, Add		
	1,849.74	
27 15 53 00-0023 MLF 1-1/4" Plenum Rated, Indoor Innerduct, Installed Exposed.....	13,207.48	3,853.62
For Work In Restricted Working Space, Add		
	2,312.17	
27 15 53 00-0024 MLF 1-1/2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	16,498.12	4,624.34
For Work In Restricted Working Space, Add		
	2,774.60	
27 15 53 00-0025 MLF 2" Plenum Rated, Indoor Innerduct, Installed Exposed.....	19,536.10	5,395.07
For Work In Restricted Working Space, Add		
	3,237.04	
<b>27 15 53 00-0026 Outdoor Innerduct</b> (27 15 53)		
<b>27 15 53 00-0027 Outdoor Innerduct, Installed In Conduit</b> (27 15 53 00-0026)		
27 15 53 00-0028 MLF 1" Outdoor Innerduct, Installed In Conduit.....	5,535.08	2,312.17
27 15 53 00-0029 MLF 1-1/4" Outdoor Innerduct, Installed In Conduit.....	7,136.49	3,082.90
27 15 53 00-0030 MLF 1-1/2" Outdoor Innerduct, Installed In Conduit.....	9,092.07	3,853.62



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 15 53 00-0031 MLF 2" Outdoor Innerduct, Installed In Conduit.....	10,865.63	4,624.34
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**27 15 53 00-0032 Outdoor Innerduct, Buried In Trench** (27 15 53 00-0026)

27 15 53 00-0033 MLF 1" Outdoor Innerduct, Buried In Trench.....	3,993.64	
27 15 53 00-0034 MLF 1-1/4" Outdoor Innerduct, Buried In Trench.....	5,595.04	
27 15 53 00-0035 MLF 1-1/2" Outdoor Innerduct, Buried In Trench.....	7,550.63	
27 15 53 00-0036 MLF 2" Outdoor Innerduct, Buried In Trench.....	9,324.18	

**27 16 Communications Connecting Cords, Devices, and Adapters** (27 16)

**27 16 16 Communications Media Converters, Adapters, and Transceivers** (27 16)

**27 16 16 00-0001 Fiber Optic Receivers** (27 16 16)

27 16 16 00-0002 EA Fiber Optic Receiver, Range 6.2 Miles.....	1,035.86	77.07
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**27 16 16 00-0003 Fiber Optic Transmitters** (27 16 16)

27 16 16 00-0004 EA Fiber Optic Transmitter, Range 6.2 Miles.....	1,035.85	77.07
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**27 16 16 00-0005 Fiber Optic Repeaters** (27 16 16)

Note: Consist of transmitter and receiver, back-to-back. Excludes power source.

27 16 16 00-0006 EA Fiber Optic Repeater, 6.2 Miles Transmitter And Receiver Back-Back, No Power.....	1,190.00	154.14
27 16 16 00-0007 EA Fiber Optic Digital Repeater, 2,000 Miles Transmitter And Receiver Back-Back, No Power.....	1,888.21	308.29

**27 16 16 00-0008 Fiber Optic Transceivers** (27 16 16)

27 16 16 00-0009 EA Fiber Optic Transceivers, 3,000 Miles Range.....	1,290.11	308.29
27 16 16 00-0010 EA Fiber Optic Transceivers, Digital 2,000 Miles Range.....	1,290.11	308.29
27 16 16 00-0011 EA Fiber Optic Ethernet Transceiver.....	1,686.31	462.44
27 16 16 00-0012 EA Transceiver (Low Cost Bi- Directional).....	593.69	115.61

**27 16 19 Communications Patch Cords, Station Cords, and Cross Connect Wire** (27 16)

**27 16 19 00-0001 Fiber Optic Patch Cords** (27 16 19)

**27 16 19 00-0002 Simplex Fiber Optic Patch Cables** (27 16 19 00-0001)

**27 16 19 00-0003 Singlemode, Simplex Fiber Optic Patch Cables** (27 16 19 00-0002)

27 16 19 00-0004 EA ST To ST Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	60.04	
<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0005 EA ST To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	49.26	
<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0006 EA ST To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	63.27	
<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0007 EA SC To SC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	51.72	
<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0008 EA SC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	59.59	
<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	
27 16 19 00-0009 EA LC To LC Connectors, 1 Meter Length, Singlemode, Simplex Fiber Optic Patch Cable.....	58.72	
<i>For Each Additional Meter In Length, Add</i>	<i>0.26</i>	

**27 16 19 00-0010 Duplex Fiber Optic Patch Cables** (27 16 19 00-0001)

**27 16 19 00-0011 Singlemode, Duplex Fiber Optic Patch Cables** (27 16 19 00-0010)

27 16 19 00-0012 EA ST To ST Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	103.37	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0013 EA ST To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	100.33	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0014 EA ST To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	111.14	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0015 EA SC To SC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	86.77	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0016 EA SC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	102.47	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	
27 16 19 00-0017 EA LC To LC Connectors, 1 Meter Length, Singlemode, Duplex Fiber Optic Patch Cable.....	100.76	
<i>For Each Additional Meter In Length, Add</i>	<i>0.51</i>	

**27 16 19 00-0018 Multimode, Duplex Fiber Optic Patch Cables** (27 16 19 00-0010)

27 16 19 00-0019 EA ST To ST Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	78.46	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0020 EA ST To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	85.50	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0021 EA ST To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	86.22	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0022 EA ST To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	88.49	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0023 EA SC To SC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	78.75	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	
27 16 19 00-0024 EA SC To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable.....	88.88	
<i>For Each Additional Meter In Length, Add</i>	<i>1.48</i>	

**27 Communications****27 10 Structured Cabling****27 16 Communications Connecting Cords, Devices, and Adapters**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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27 16 19 00-0025	EA		SC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable ..... <i>For Each Additional Meter In Length, Add</i>	104.17 1.48	
27 16 19 00-0026	EA		MTRJ To MTRJ Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable ..... <i>For Each Additional Meter In Length, Add</i>	72.26 1.48	
27 16 19 00-0027	EA		LC To LC Connectors, 1 Meter Length, Multimode, Duplex Fiber Optic Patch Cable ..... <i>For Each Additional Meter In Length, Add</i>	87.57 1.48	

**27 16 19 00-0028 Fiber Optic Cable Pig Tail** (27 16 19)

27 16 19 00-0029	EA		Simplex Fiber Optic Cable Pig Tail .....	101.78	53.95
27 16 19 00-0030	EA		Duplex Fiber Optic Cable Pig Tail .....	127.35	53.95

**27 16 19 00-0031 Ethernet Patch Cords** (27 16 19)

27 16 19 00-0032	EA		3' Category 5E Patch Cables With Boots.....	17.68	
27 16 19 00-0033	EA		5' Category 5E Patch Cables With Boots.....	19.15	
27 16 19 00-0034	EA		7' Category 5E Patch Cables With Boots.....	20.64	
27 16 19 00-0035	EA		10' Category 5E Patch Cables With Boots.....	30.11	
27 16 19 00-0036	EA		15' Category 5E Patch Cables With Boots.....	37.98	
27 16 19 00-0037	EA		25' Category 5E Patch Cables With Boots.....	49.22	
27 16 19 00-0038	EA		3' Category 6 Patch Cables With Boots.....	19.43	
27 16 19 00-0039	EA		5' Category 6 Patch Cables With Boots.....	23.18	
27 16 19 00-0040	EA		7' Category 6 Patch Cables With Boots.....	23.25	
27 16 19 00-0041	EA		10' Category 6 Patch Cables With Boots.....	28.32	
27 16 19 00-0042	EA		15' Category 6 Patch Cables With Boots.....	37.42	
27 16 19 00-0043	EA		25' Category 6 Patch Cables With Boots.....	46.18	
27 16 19 00-0044	EA		50' Category 6 Patch Cables With Boots.....	70.83	
27 16 19 00-0045	EA		100' Category 6 Patch Cables With Boots.....	122.80	
27 16 19 00-0046	EA		3' Category 6A Patch Cables With Boots.....	23.44	
27 16 19 00-0047	EA		5' Category 6A Patch Cables With Boots.....	24.73	
27 16 19 00-0048	EA		7' Category 6A Patch Cables With Boots.....	25.71	
27 16 19 00-0049	EA		10' Category 6A Patch Cables With Boots.....	31.02	
27 16 19 00-0050	EA		15' Category 6A Patch Cables With Boots.....	38.43	
27 16 19 00-0051	EA		25' Category 6A Patch Cables With Boots.....	46.80	
27 16 19 00-0052	EA		50' Category 6A Patch Cables With Boots.....	65.59	
27 16 19 00-0053	EA		100' Category 6A Patch Cables With Boots.....	113.74	
27 16 19 00-0054	EA		3' Category 5E Patch Cables With Plastic Arch.....	17.68	
27 16 19 00-0055	EA		5' Category 5E Patch Cables With Plastic Arch.....	19.15	
27 16 19 00-0056	EA		7' Category 5E Patch Cables With Plastic Arch.....	20.64	
27 16 19 00-0057	EA		10' Category 5E Patch Cables With Plastic Arch.....	30.11	
27 16 19 00-0058	EA		15' Category 5E Patch Cables With Plastic Arch.....	37.98	
27 16 19 00-0059	EA		25' Category 5E Patch Cables With Plastic Arch.....	49.22	
27 16 19 00-0060	EA		3' Category 6 Patch Cables With Plastic Arch.....	19.43	
27 16 19 00-0061	EA		5' Category 6 Patch Cables With Plastic Arch.....	23.18	
27 16 19 00-0062	EA		7' Category 6 Patch Cables With Plastic Arch.....	23.25	
27 16 19 00-0063	EA		10' Category 6 Patch Cables With Plastic Arch.....	28.32	
27 16 19 00-0064	EA		15' Category 6 Patch Cables With Plastic Arch.....	37.42	
27 16 19 00-0065	EA		25' Category 6 Patch Cables With Plastic Arch.....	46.18	
27 16 19 00-0066	EA		3' Category 6A Patch Cables With Plastic Arch.....	34.67	
27 16 19 00-0067	EA		5' Category 6A Patch Cables With Plastic Arch.....	36.90	
27 16 19 00-0068	EA		7' Category 6A Patch Cables With Plastic Arch.....	38.56	
27 16 19 00-0069	EA		10' Category 6A Patch Cables With Plastic Arch.....	44.92	
27 16 19 00-0070	EA		15' Category 6A Patch Cables With Plastic Arch.....	54.87	
27 16 19 00-0071	EA		25' Category 6A Patch Cables With Plastic Arch.....	69.22	

**27 20 Data Communications** (27)**27 21 Data Communications Network Equipment** (27 20)**27 21 16 Data Communications Routers, CSU/DSU, Multiplexers, Codecs, and Modems**(27 21)**27 21 16 00-0001 Fiber Optic Modems** (27 21 16)

27 21 16 00-0002	EA		Fiber Optic Modems, Range 6.2 Miles.....	2,086.10	308.29
27 21 16 00-0003	EA		Fiber Optic Modem, Range 3.1 Miles, 12 Channel .....	3,923.01	308.29

**27 21 16 00-0004 Ethernet Hubs and Switches** (27 21 16)

27 21 16 00-0005	EA		16 Port Managed Hub With Fiberport And Standard Management.....	4,286.83	231.66
27 21 16 00-0006	EA		16 Port Unmanaged Hub .....	680.77	154.44
27 21 16 00-0007	EA		12 Port, Industrial Ethernet Switch (Cisco IE-4000-4GC4GP4G-E).....	5,849.14	154.44
27 21 16 00-0008	EA		Power Supply (Cisco PWR-IE170W-PC-AC).....	1,742.47	77.22

**27 21 26 Data Communications Network Management** (27 21)**27 21 26 00-0001 Data Communications Network Management** (27 21 26)

27 21 26 00-0002	EA		3 Port, Terminal/Serial Device Server (Comtrol 99560-9).....	721.97	38.54
27 21 26 00-0003	EA		2 Port, Terminal/Serial Device Server (Comtrol 99550-0).....	557.68	38.54
27 21 26 00-0004	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99445-9).....	774.73	38.54
27 21 26 00-0005	EA		4 Port, DB9 Terminal/Serial Device Server (Comtrol 99448-0).....	1,209.95	38.54
27 21 26 00-0006	EA		24 Watt, Din Rail Mountable, Power Adapter (Comtrol PS1020).....	113.40	
27 21 26 00-0007	EA		Remote Data Port, Spectra Positioning System (Pelco IPS_RDPE_2).....	536.05	23.12
27 21 26 00-0008	EA		Sennetech Code Translator (Pelco SCT_100_AD232).....	905.65	38.54

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
27 21 26 00-0009 EA VPN Router (Cisco 819HG).....	5,649.04	494.22
27 21 26 00-0010 EA Cisco Catalyst 3000 Series Switches (Cisco IE-3000 - 8TC).....	4,159.06	494.22
27 21 26 00-0011 EA WS-C4507R+E Chassis, Two WS-X4648-RJ45V+E, Sup7L-E, LAN Base (Cisco WS-C4507RE+96V+).....	20,163.46	184.97
27 21 26 00-0012 EA SMARTnet Extended Service Agreement, SNTC-8X5XNBD WS-C4507R+E Chassis,2 WS-X4648-RJ45V+E (Cisco CON-SNT-C4507REV).....	613.97	
27 21 26 00-0013 EA Sup8-E And WS-X4748-RJ45V+E Upgrade For Bundle (Cisco C4500E-S7L-S8).....	13,552.87	184.97
27 21 26 00-0014 EA Catalyst 4500 E-Series Redundant Supervisor 8-E (Cisco WS-X45-SUP8-E/2).....	29,097.51	184.97
27 21 26 00-0015 EA Catalyst 4500 2GB SD Memory Card (Cisco SD-X45-2GB-E).....	683.37	15.44
27 21 26 00-0016 EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV).....	4,999.36	19.27
27 21 26 00-0017 EA Catalyst 4500 4200W AC Dual Input Power Supply (Data + PoE) (Cisco PWR-C45-4200ACV/2).....	4,336.29	19.27
27 21 26 00-0018 EA 13', NEMA 6-20 To IEC-C19 Power Cable (Cisco CAB-US620P-C19-US).....	80.07	7.72
27 21 26 00-0019 EA 1000BASE-SX SFP Transceiver Module, MMF, 850nm, DOM (Cisco GLC-SX-MMD=).....	275.32	77.07
27 21 26 00-0020 EA Cisco Catalyst 3850 24 Port Data IP Base (Cisco WS-C3850--24TS).....	4,058.45	184.97
27 21 26 00-0021 EA SMARTnet Extended Service Agreement, 8X5XNBD Cisco Catalyst 3850 24 Port Data IP Base (Cisco CON- SNT-WSC384TS).....	807.83	
27 21 26 00-0022 EA North America AC Type A Power Cable (Cisco CAB-TA-NA).....	28.46	7.72
27 21 26 00-0023 EA 350 Watt AC Power Supply (Cisco PWR-C1-350WAC).....	343.91	19.27
27 21 26 00-0024 EA Cisco Catalyst 3850 4x1GE Network Module (Cisco C3850-NM-4-1G).....	846.46	19.31
27 21 26 00-0025 EA 1' (30cm), Catalyst 3750X Stack Power Cable (Cisco CAB-SPWR-30CM).....	125.69	7.72
27 21 26 00-0026 EA Rack Mount Switch 16 100 SFP 8 10/100 PoE 2 Geuplinks (Cisco IE-3010-16S-8PC).....	4,714.99	184.97
27 21 26 00-0027 EA SMARTnet Extended Service Agreement, 8X5XNBD IA Rack Mount Switch 16 100 SFP 8 10/10 (Cisco CON- SNT-301016S8).....	811.07	
27 21 26 00-0028 EA IE 3010 Power Supply (Cisco PWR-RGD-AC-DC/IA).....	725.21	19.27
27 21 26 00-0029 EA IE 3010 AC-DC Redundant Power Supply (Cisco PWR-RGD-AC-DC/IA).....	736.52	19.27
27 21 26 00-0030 EA 4 Ethernet 10/100 Ports And 2 Dual-Purpose Uplinks, Industrial Ethernet Switch (Cisco IE-3000-4TC).....	1,659.92	184.97
27 21 26 00-0031 EA Expansion Power Module For Cisco IE-3000-4TC (Cisco PWR-IE50W-AC-IEC).....	402.14	19.31
27 21 26 00-0032 EA 4 Port, Expansion SFP Module for IE-3000-4TC (Cisco IEM-3000-4SM).....	1,864.35	19.31
27 21 26 00-0033 EA Router (CISCO IR829).....	1,689.36	77.22

**27 21 29 Data Communications Switches and Hubs (27 21)**

**27 21 29 00-0001 Data Communications Multimedia Modular Patch Panels (27 21 29)**

Note: Unloaded multimedia patch panels that accept modular jacks for category 3, 5e, 6, fiber optic, etc. Excludes rack, modular jacks and terminations. See CSI section 27 15 43 00-0035 for modular jacks.

27 21 29 00-0002 EA 12 Port, Wall Mount Multimedia Modular Patch Panel, Unloaded.....	147.32	7.71
27 21 29 00-0003 EA 16 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	162.63	7.71
27 21 29 00-0004 EA 24 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	192.25	7.71
27 21 29 00-0005 EA 36 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	201.34	7.71
27 21 29 00-0006 EA 48 Port, Rack Mount Multimedia Modular Patch Panel, Unloaded.....	220.19	9.64
27 21 29 00-0007 EA 24 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	208.88	7.71
27 21 29 00-0008 EA 48 Port, Rack Mount Multimedia Modular Angled Patch Panel, Unloaded.....	262.16	9.64
27 21 29 00-0009 EA Rack Mount Rear Cable Management Bar.....	72.10	9.64

**27 21 33 Data Communications Wireless Access Points (27 21)**

**27 21 33 00-0001 Data Communications Wireless Access Points (27 21 33)**

27 21 33 00-0002 EA Base Station Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-BSU).....	5,182.47	231.21
27 21 33 00-0003 EA Base Station Unit, 300 Mbps, MIMO 2x2, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1).....	12,336.14	231.21
27 21 33 00-0004 EA Base Station Unit, 300 Mbps, MIMO 2x2, 16 dBi, 90 Degree Sector Antenna US PoE (Proxim Wireless MP-8250- BS9).....	12,336.14	231.21
27 21 33 00-0005 EA Subscriber Unit, 300 Mbps, MIMO 2x2, Type-N Connectors US PoE (Proxim Wireless MP-8200-SUA).....	2,077.75	231.21
27 21 33 00-0006 EA Subscriber Unit, 300 Mbps, MIMO 2x2, 23 dBi, Panel Antenna US PoE (Proxim Wireless MP-8250-SUR).....	2,414.67	249.46
27 21 33 00-0007 EA Base Station Unit, 300 Mbps, MIMO 3x3, GPS Sync Ready, Type-N Connectors - US PoE (Proxim Wireless MP- 8200-BSU-G).....	6,629.32	249.46
27 21 33 00-0008 EA Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 23 dBi, 10° Panel Antenna - US PoE (Proxim Wireless MP-8250-BS1-G).....	10,035.86	249.46
27 21 33 00-0009 EA Base Station Unit, 300 Mbps, MIMO 2x2, GPS Sync Ready, 16 dBi, 90° Sector Antenna - US PoE (Proxim Wireless MP-8250-BS9-G).....	10,035.86	249.46
27 21 33 00-0010 EA 50 Mbps (upgradable to 100 Mbps), MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825- LNK-50).....	2,067.77	83.16
27 21 33 00-0011 EA 100 Mbps, MIMO 2x2, 15 dBi integrated antenna - US PoE (Proxim Wireless QB-825-LNK-100).....	2,096.37	83.16
27 21 33 00-0012 EA Surge, Gigabit Surge Protector With Shielded RJ45 (Proxim Wireless ETH-SURGE-1G).....	204.78	41.58
27 21 33 00-0013 EA FlexPort uWave AdaptRate And Modulation Feature Upgrade (BridgeWave Communications FPUWAVE-UPG- ARM).....	1,777.27	
27 21 33 00-0014 EA 1' High Performance Dish Antenna, Low Profile, 21.2-23.6 GHz, WR42 Flange, SOI (Radio Waves HPLP1-23RR).....	661.47	77.07
27 21 33 00-0015 EA Cellular Phone / Wi-Fi Antenna (Sierra Wireless AP-CWG-Q-S222-WH).....	552.81	77.07
27 21 33 00-0016 EA Cell LTE MIMO Antenna (Sierra Wireless 1810075).....	103.99	30.83
27 21 33 00-0017 EA AirLink GX400 Power Adapter (Sierra Wireless 2700384).....	84.88	
27 21 33 00-0018 EA AirLink GX400 Power Cable (Sierra Wireless 2000380).....	50.65	
27 21 33 00-0019 EA Cellular/PCS/LTE, Hockey Puck Antenna (Sierra Wireless AP-C-Q-S2-BL).....	364.08	77.07
27 21 33 00-0020 EA Cellular/PCS/LTE/GPS, Multi-Band Antenna (Sierra Wireless AP-CG-Q-S22-BL).....	366.18	77.07
27 21 33 00-0021 EA 2 Way, RF Power Divider, 790-920 MHZ (Telewave ANTPD28D).....	490.17	77.22
27 21 33 00-0022 EA Wireless Cellular Modem (Sierra Wireless AirLink GX400 EVDO/GPS).....	1,211.11	115.83
27 21 33 00-0023 EA Wireless Cellular Modem (Sierra Wireless AirLink GX450 Rugged).....	1,538.14	115.83
27 21 33 00-0024 EA Magnetic Mount Cellular Antenna (Wilson Electronics 301125).....	92.05	23.12
27 21 33 00-0025 EA Yagi Antenna, 890-960 MHz, 10 dBd Gain (PCTEL Bluewave Antennas BGYD890K).....	341.55	83.16
27 21 33 00-0026 EA Andrew® Omni Antenna, 890-960 MHz, 360° Horizontal Beamwidth, Fixed Electrical Tilt, Fits On 38-51 mm (1- 1/2 to 2 in) OD Pipe (Commscope DB583-Y).....	1,066.00	83.16
27 21 33 00-0027 EA Single Channel Bluetooth Sensor With Bluetooth Module And Antenna (DeepBlue SC).....	5,155.03	77.22
27 21 33 00-0028 EA Point-to-Point Wireless Bridge (Proxim Tsunami® QB-10150).....	2,631.12	77.07

**27 50 Distributed Communications and Monitoring Systems (27)**

**27 Communications****27 50 Distributed Communications and Monitoring Systems****27 51 Distributed Audio-Video Communications Systems**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**27 51 Distributed Audio-Video Communications Systems (27 50)****27 51 17 Video Intercom and Exterior Gate Control System (27 51)****27 51 17 00-0001 Video Intercom And Exterior Gate Control System (27 51 17)**

27 51 17 00-0002	EA	Audio Video Master Control Station With Handset, White Finish (Aiphone IX-MV7-HW) .....	1,627.63	193.05
27 51 17 00-0003	EA	Audio Video Master Control Station (Aiphone AX-8MV) .....	1,322.89	193.05
27 51 17 00-0004	EA	16-call Add-on Selector For AX Masters (Aiphone AX-16SW).....	597.74	193.05
27 51 17 00-0005	EA	Central Exchange Unit (Aiphone AX-084C).....	1,517.81	96.53
27 51 17 00-0006	EA	Central Exchange Unit (Aiphone AX-248C).....	2,055.33	96.53
27 51 17 00-0007	EA	Touch Tone Programmable Dialer (Viking K-1900-5).....	166.86	38.61
27 51 17 00-0008	EA	Surface Mount Audio/Video Door Station (Aiphone IX-DV) .....	1,082.39	38.61
27 51 17 00-0009	EA	Surface Or Flush Wall Mount Audio/Video Door Station (Aiphone IX-DVF).....	1,482.40	38.61
27 51 17 00-0010	EA	Surface Mount Audio/Video Door Station (Aiphone AX-DV).....	490.59	38.61
27 51 17 00-0011	EA	Flush Mount Audio/Video Door Station (Aiphone AX-DVF) .....	551.26	38.61
27 51 17 00-0012	EA	12 Volt, 2.5 Amperes, DC Power Supply (Aiphone PS-1225UL) .....	152.88	19.31
		Note: UL Listed		
27 51 17 00-0013	EA	24 Volt, 2 Amperes, DC Power Supply (Aiphone PS-2420UL).....	165.59	19.31
		Note: UL Listed		
27 51 17 00-0014	EA	IP Video Master Station (Aiphone IX-MV).....	1,971.49	193.05
27 51 17 00-0015	EA	Handset Only For IX-MV (Aiphone 285999) .....	67.89	7.72
27 51 17 00-0016	EA	Hands Free Sub Master Video Monitor (Aiphone JF-2HD).....	878.48	193.05
27 51 17 00-0017	EA	Stainless Steel Video Door Station With HID ProxPoint Plus Reader, Flush Mount (Aiphone AX-DVF-P).....	778.39	38.61
27 51 17 00-0018	EA	Stainless Steel Surface Mount Box For IS-SS, IS-DVF, IS-IPDVF, IX-DF(SS) (Aiphone SBX-IDVF).....	246.52	38.61
27 51 17 00-0019	EA	Stainless Steel Surface Mount Box For AX-DVF (Aiphone SBX-AXDVF).....	273.33	38.61
27 51 17 00-0020	EA	Stainless Steel Security Lock Box For IS-DV, IS-DVF, IX-DF, IX-SS, IX-DF-HID, And IX-DF-RP10 (Aiphone LB-SDVF/A) .....	338.75	57.91
27 51 17 00-0021	EA	Front Case With Lens Cover For AX-DV And AX-DVF Cameras (Aiphone 240880).....	77.85	19.31

**27 51 43 Sound Reinforcement (27 51)**

Note: Includes testing of new devices and certification.

**27 51 43 00-0001 Accessories (27 51 43)**

27 51 43 00-0002	EA	Terminal Cabinet For Audio/Video System (Atlas 121-18).....	1,067.59	154.44
27 51 43 00-0003	EA	Headset Microphone For Audio/Video System (Audio Technica Pro8Hex) .....	272.49	38.54
27 51 43 00-0004	EA	Microphone Jack For Audio/Video System .....	133.09	38.61
27 51 43 00-0005	EA	Weather Proof Horn For Audio/Video System (Bogen SPT5A) .....	204.68	38.61
27 51 43 00-0006	EA	Trumpet Driver And Line Matching Transformer For Audio/Video System (Atlas PD-60A).....	368.06	38.61
27 51 43 00-0007	EA	Microphone And Stand For Audio/Video System (Bogen MBS-1000A).....	343.25	19.31
27 51 43 00-0008	EA	5 Disk CD Player For Audio/Video System (Bogen DCM290-P).....	763.24	19.31
27 51 43 00-0009	EA	Volume Control For Audio/Video System (Bogen AT10A).....	127.80	38.61
27 51 43 00-0010	EA	Round Bridge for 8" (S86/S810) Recessed Speakers (Bogen Communications TB8).....	93.53	38.61

**END OF SECTION 27**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 28 Electronic Safety and Security

Note: Termination costs are included with all safety and security equipment, panel boards, and devices. Terminations are not included with patch panels.

### 28 05 Common Work Results for Electronic Safety and Security <sup>(28)</sup>

#### 28 05 26 Grounding and Bonding for Electronic Safety and Security <sup>(28 05)</sup>

See CSI section 26 05 26 00-0000 for grounding and bonding.

#### 28 05 53 Identification for Electronic Safety and Security <sup>(28 05)</sup>

See CSI section 26 05 53 00-0000 for identification.

### 28 10 Access Control <sup>(28)</sup>

#### 28 15 Integrated Access Control Hardware Devices <sup>(28 10)</sup>

##### 28 15 11 Integrated Credential Readers and Field Entry Management <sup>(28 15)</sup>

###### 28 15 11 13 Keypads <sup>(28 15 11)</sup>

##### 28 15 11 13-0001 Vindicator Security Alarm System <sup>(28 15 11 13)</sup>

28 15 11 13-0002	EA	Switch, Balanced Magnetic Door (Security) Vindicator #192-30894-00.....	1,883.36	321.39
28 15 11 13-0003	EA	Detector, Passive Infrared (Security) Vindicator #316-30812-00.....	2,377.67	417.73
28 15 11 13-0004	EA	Premise Control Unit (Security) Vindicator #548-32004-01.....	12,280.08	915.62
28 15 11 13-0005	EA	Access Manager (Security Key Pad) Vindicator #548-31894-01.....	5,786.02	780.28
28 15 11 13-0006	EA	ALS Duress Switch (Security) Vindicator #192-30810-00.....	1,545.60	426.82
28 15 11 13-0007	EA	Key Pad, Remote, (Security) Vindicator.....	4,199.15	642.63

##### 28 15 19 Access Control Remote Devices <sup>(28 15)</sup>

###### 28 15 19 13 Wireless Access Control Devices <sup>(28 15 19)</sup>

##### 28 15 19 13-0001 Personnel Assistance System (PAS) <sup>(28 15 19 13)</sup>

Note: Owner supplied, contractor installed components as manufactured by Secure Systems Inc. (SSI). Excludes mounting hardware/material (anchor bolts, screws, threaded rod, beam clamps, blocking/plywood backer, etc.) and electrical components (boxes, conduit, wire, etc.). See CSI section 26 00 00 00-0000 for electrical components (boxes, conduit, wire, etc.).

28 15 19 13-0002	EA	BARD (Building Alarm Reporting Device), Labor Only.....	231.66	115.83
28 15 19 13-0003	EA	LARD (Local Alarm Reporting Device), Labor Only.....	154.44	77.22
28 15 19 13-0004	EA	LARD + (Local Alarm Reporting Device Plus), Labor Only.....	154.44	77.22
28 15 19 13-0005	EA	BASE (Central Base Receiving Station), Labor Only.....	231.66	115.83
28 15 19 13-0006	EA	R Base (Remote BASE), Labor Only.....	154.44	77.22
28 15 19 13-0007	EA	R Base + (Remote BASE Plus), Labor Only.....	154.44	77.22
28 15 19 13-0008	EA	DAD (Device Activated Detector), Labor Only.....	51.47	25.73
28 15 19 13-0009	EA	DAD Covers, Labor Only.....	154.44	77.22
28 15 19 13-0010	EA	EDAD (Exterior Device Activated Detector), Labor Only.....	77.22	38.61
28 15 19 13-0011	EA	EDAD Antenna (Directional Antenna), Labor Only.....	115.83	57.91
28 15 19 13-0012	EA	VHF/UHF Antenna, Labor Only.....	308.89	154.44
28 15 19 13-0013	EA	PT (Personal Activation Device (PAL) Tester), Labor Only.....	154.44	77.22

### 28 16 Access Control Interfaces <sup>(28 10)</sup>

#### 28 16 11 Access Control Interfaces to Access Control Hardware <sup>(28 16)</sup>

##### 28 16 11 00-0001 Stand Alone Access Controls <sup>(28 16 11)</sup>

##### 28 16 11 00-0002 Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

##### 28 16 11 00-0003 Interior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

28 16 11 00-0004	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls..... Note: Controls mount to a standard mullion.	159.50	38.54
28 16 11 00-0005	EA	Exit Push Button, Push Button Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	166.36	38.54
28 16 11 00-0006	EA	Three Button, Push Button Controls, Interior Stand Alone Access Controls For Gate Operators..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	205.86	38.54

##### 28 16 11 00-0007 Exterior Mount, Push Button Controls, Stand Alone Access Controls <sup>(28 16 11 00-0002)</sup>

Note: Includes a lockable, gasketed 16 gauge steel enclosure. Excludes mounting posts.

28 16 11 00-0008	EA	Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	196.13	38.54
28 16 11 00-0009	EA	42" High Aluminum Post With Handicap/Push To Open, Push Button Controls, Exterior Stand Alone Access Controls..... Note: Includes post, mounting base and push button control. Excludes concrete foundation.	915.80	115.61
28 16 11 00-0010	EA	Three Button, Exterior Stand Alone Access Controls For Gate Operators..... Note: Includes open, close and stop controls.	308.89	38.54

##### 28 16 11 00-0011 Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0001)</sup>

##### 28 16 11 00-0012 Interior Mount, Key Controls, Stand Alone Access Controls <sup>(28 16 11 00-0011)</sup>



**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0013	EA		Standard Mortise Key, Key Controls, Interior Stand Alone Access Controls..... Note: Controls mount into a single gang electrical box. Excludes electrical box.	218.74	38.54
28 16 11 00-0014			<b>Exterior Mount, Key Controls, Stand Alone Access Controls</b> (28 16 11 00-0011) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0015	EA		Postal Or Fire Department Lock Box, Key Controls, Exterior Stand Alone Access Controls ..... Note: Opens door or gate with a postal or fire department key.	343.03	77.07
28 16 11 00-0016	EA		Standard Mortise Key, Key Controls, Exterior Stand Alone Access Controls .....	525.06	77.07
28 16 11 00-0017	EA		Ace Key, Key Controls, Exterior Stand Alone Access Controls .....	525.06	77.07
28 16 11 00-0018	EA		Standard Mortise Key And Push Button Intercom, Key Controls, Exterior Stand Alone Access Controls.....	786.07	77.07
28 16 11 00-0019			<b>Keypad Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0020			<b>Interior Mount, Keypad Controls, Stand Alone Access Controls</b> (28 16 11 00-0019)		
28 16 11 00-0021	EA		One Code Memory, Keypad Control, Interior Stand Alone Access Controls..... Note: Stores one 4-digit entry code and one 4-digit hold code. Controls mount into a single gang electrical box. Excludes electrical box.	300.31	38.54
28 16 11 00-0022			<b>Exterior Mount, Keypad Controls, Stand Alone Access Controls</b> (28 16 11 00-0019) Note: Includes a surface mounted lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0023			<b>Keypad Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022)		
28 16 11 00-0024	EA		1000 Code Memory, Keypad Control, Exterior Stand Alone Access Controls .....	1,252.75	154.14
			Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	212.50	
28 16 11 00-0025			<b>Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls</b> (28 16 11 00-0022) Note: Includes intercom sub-station. Excludes additional receiving intercoms.		
28 16 11 00-0026	EA		1000 Code Memory, Keypad Controls With Push Button Intercom, Exterior Stand Alone Access Controls..... Note: Includes lighted keypad. Stores one thousand 4-digit entry codes and six 5-digit entry codes. <i>For Flush Mount, Add</i>	1,514.52 262.73	173.41
28 16 11 00-0027			<b>RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0028			<b>Exterior Mount, RF Controls, Stand Alone Access Controls</b> (28 16 11 00-0027) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0029			<b>RF Receivers, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts and transmitters.		
28 16 11 00-0030	EA		50 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	771.93	154.14
28 16 11 00-0031	EA		100 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	864.66	154.14
28 16 11 00-0032	EA		250 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	953.96	154.14
28 16 11 00-0033	EA		500 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	1,050.12	154.14
28 16 11 00-0034	EA		1000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	1,139.41	154.14
28 16 11 00-0035	EA		5000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	1,235.58	154.14
28 16 11 00-0036	EA		16000 Code Memory, RF Receiver, RF Controls, Exterior Stand Alone Access Controls.....	1,324.87	154.14
28 16 11 00-0037			<b>RF Transmitters, RF Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)		
28 16 11 00-0038	EA		1 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For &gt;40 To 110, Deduct</i> <i>For &gt;110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	58.38 -2.92 -5.84 11.68	
28 16 11 00-0039	EA		2 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For &gt;40 To 110, Deduct</i> <i>For &gt;110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	61.82 -3.09 -6.18 12.36	
28 16 11 00-0040	EA		3 Button, RF Transmitter, RF Controls, Exterior Stand Alone Access Controls..... <i>For &gt;40 To 110, Deduct</i> <i>For &gt;110, Deduct</i> <i>For Built In Proximity Tags, Add</i>	65.25 -3.26 -6.53 13.05	
28 16 11 00-0041			<b>Accessories For RF Receivers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0028)		
28 16 11 00-0042	EA		Coax Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls ..... Note: Includes 15' of coax cable.	313.64	115.61
28 16 11 00-0043	EA		Antenna Amplifier For RF Receivers, Exterior Stand Alone Access Controls..... Note: Includes 20' of coax cable.	574.65	115.61
28 16 11 00-0044	EA		Yagi High-Gain Antenna Kit For RF Receivers, Exterior Stand Alone Access Controls..... Note: Includes 15' of coax cable.	526.57	115.61
28 16 11 00-0045			<b>Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0046			<b>Exterior Mount, Proximity Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0045) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0047			<b>DKS Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0048			<b>DKS Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0047)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0049	EA		DKS Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,424.47	154.14
28 16 11 00-0050			<b>AWID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0051			<b>AWID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0050)		
28 16 11 00-0052	EA		AWID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,544.67	154.14
28 16 11 00-0053			<b>HID Proximity Card Controls, Exterior Stand Alone Access Controls</b> (28 16 11 00-0046)		
28 16 11 00-0054			<b>HID Proximity Card Readers, Exterior Stand Alone Access Controls</b> (28 16 11 00-0053)		
28 16 11 00-0055	EA		HID Proximity Card Reader, Exterior Stand Alone Access Controls.....	1,819.43	154.14
28 16 11 00-0056			<b>Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0057			<b>Interior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0056)		
28 16 11 00-0058	EA		Magnetic Stripe Reader, Interior Stand Alone Access Controls.....	874.97	154.14
28 16 11 00-0059			<b>Exterior Mount, Magnetic Stripe Card Controls, Stand Alone Access Controls</b> (28 16 11 00-0056) Note: Includes a lockable NEMA rain resistant steel enclosure. Excludes mounting posts.		
28 16 11 00-0060	EA		Magnetic Stripe Reader, Exterior Stand Alone Access Controls.....	1,068.90	154.14
28 16 11 00-0061			<b>Other Stand Alone Access Controls</b> (28 16 11 00-0001)		
28 16 11 00-0062	EA		Toggle Switch, Interior Access Controls For Gate Operators .....	154.34	38.54
			Note: Controls mount into a single gang electrical box. Excludes electrical box.		
28 16 11 00-0063	EA		Request To Exit Motion Detector (Bosch Security Systems DS160) .....	164.63	30.83
28 16 11 00-0064			<b>Wiegand Output Access Controls</b> (28 16 11) Note: Excludes controllers.		
28 16 11 00-0065			<b>Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0066			<b>DKS, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)		
28 16 11 00-0067			<b>DKS, Proximity Cards</b> (28 16 11 00-0066)		
28 16 11 00-0068	EA		Clamshell Type, DKS Proximity Card (DKS 170).....	9.14	
28 16 11 00-0069	EA		ISO Compliant Graphics Card, DKS Proximity Card (DKS 80).....	15.07	
28 16 11 00-0070	EA		DKS Proximity Key Fob (DKS 50).....	15.87	
28 16 11 00-0071	EA		Active Tag, DKS Proximity Tag (DKS 150)..... Note: Battery powered tag to boost signal.	89.75	
28 16 11 00-0072	EA		Active Tag, DKS Proximity Tag (DKS 200)..... Note: Battery powered tag to boost signal.	117.00	
28 16 11 00-0073			<b>DKS, Proximity Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0066)		
28 16 11 00-0074	EA		Up To 2" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Small).....	568.07	192.68
28 16 11 00-0075	EA		Up To 3" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Mullion).....	568.07	192.68
28 16 11 00-0076	EA		Up To 4" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS Single Gang).....	568.07	192.68
28 16 11 00-0077	EA		Up To 30" Read Range, 12 Volt DC, DKS Proximity Card Reader, Wiegand Output Access Controls (DKS)..... Note: Includes mounting bracket and 12 Volt DC regulated power supply.	1,423.92	192.68
28 16 11 00-0078			<b>AWID, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)		
28 16 11 00-0079			<b>AWID, Proximity Cards</b> (28 16 11 00-0078)		
28 16 11 00-0080	EA		Clamshell Type, AWID Proximity Card (AWID Prox-Linc CS) .....	7.69	
28 16 11 00-0081	EA		ISO Compliant Graphics Card, AWID Proximity Card (AWID Prox-Linc GR) .....	12.02	
28 16 11 00-0082	EA		AWID Proximity Key Fob (AWID Prox-Linc KT).....	12.82	
28 16 11 00-0083	EA		Windshield Tag For LR 2000 Readers, AWID Proximity Tag .....	44.88	
28 16 11 00-0084	EA		Metal Mount Tag For LR 2000 Readers, AWID Proximity Tag .....	44.88	
28 16 11 00-0085			<b>AWID, Proximity Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0078)		
28 16 11 00-0086	EA		Up To 4" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID SR 2400)..... Note: For mullion mounting.	673.85	192.68
28 16 11 00-0087	EA		Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6800)..... Note: For mullion mounting.	904.64	192.68
28 16 11 00-0088	EA		Up To 8" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MM 6820)..... Note: For single gang electrical box mounting.	904.64	192.68
28 16 11 00-0089	EA		Up To 24" Read Range, 5-12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID MR 1824)..... Note: Includes 12 Volt DC regulated power supply.	1,427.13	192.68

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

TOTAL DIRECT	DEMOLITION
UNIT COST	UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
28 16 11 00-0090	EA		Up To 11' Read Range, 12 Volt DC, AWID Proximity Card Reader, Wiegand Output Access Controls (AWID LR 2000) ..... Note: Includes mounting bracket and 12 Volt DC regulated power supply.	7,696.97	192.68
28 16 11 00-0091			<b>HID, Proximity Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0065)		
28 16 11 00-0092			<b>HID, Proximity Cards</b> (28 16 11 00-0091)		
28 16 11 00-0093	EA		Clamshell Type, HID Proximity Card (HID ProxCard II).....	20.86	
28 16 11 00-0094	EA		ISO Compliant Graphics Card, HID Proximity Card (HID ISOProx II).....	26.63	
28 16 11 00-0095	EA		HID Proximity Key Fob (HID ProxKey II).....	27.27	
28 16 11 00-0096			<b>HID, Proximity Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0091)		
28 16 11 00-0097	EA		Up To 3" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ProxPoint Plus)..... Note: For mullion mounting. (HID P/N 6005).	636.88	192.68
28 16 11 00-0098	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID ThinLine II)..... Note: For single gang electrical box mounting. (HID P/N 5395).	738.50	192.68
28 16 11 00-0099	EA		Up To 5" Read Range, 5-16 Volt DC, HID Proximity Card Reader, Wiegand Output Access Controls (HID MiniProx)..... Note: For mullion mounting. (HID P/N 5365).	814.72	192.68
28 16 11 00-0100	EA		EntryProx Single-Door Proximity Access Control ..... Note: (HID P/N 4045) Stores up to 2,000 users and 1,000 time-stamped transactions 12 position keypad for Pin entry or programming optional use with card/key fob, code only or card plus pin code Wiegand output mode. Continental Instrument CICR2358P.	1,020.50	192.68
28 16 11 00-0101			<b>Contactless Smart Card Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0102			<b>HID, Contactless Smart Cards</b> (28 16 11 00-0101)		
28 16 11 00-0103	EA		2K Bits, Clamshell Type, HID iClass, Contactless Smart Card.....	14.10	
28 16 11 00-0104	EA		16K Bits, ISO Compliant Graphics Card, HID iClass, Contactless Smart Card.....	15.40	
28 16 11 00-0105	EA		16K Bits, Contactless Smartcard Key Fob, HID iClass, Contactless Smart Card.....	20.15	
28 16 11 00-0106	EA		16K Bits, Contactless Smartcard Tag, HID iClass, Contactless Smart Card..... Note: Battery powered tag to boost signal.	10.91	
28 16 11 00-0107			<b>HID, Contactless Smart Card Readers, Wiegand Output Access Controls</b> (28 16 11 00-0101)		
28 16 11 00-0108	EA		Up To 3-1/4" Read Range, 5-16 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R10)..... Note: For mullion mounting.	639.73	192.68
28 16 11 00-0109	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader, Wiegand Output Access Controls (HID R40)..... Note: For mullion mounting.	851.29	192.68
28 16 11 00-0110	EA		Up To 4-1/4" Read Range, 5-12 Volt DC, HID iClass Contactless Smart Card Reader With Keypad, Wiegand Output Access Controls (HID RK40)..... Note: For mullion mounting.	1,327.30	192.68
28 16 11 00-0111			<b>HID, Contactless Smart Card Programmer, Wiegand Output Access Controls</b> (28 16 11 00-0101)		
28 16 11 00-0112	EA		HID iClass Contactless Smart Card Programmer, Wiegand Output Access Controls (HID CP400)..... Note: For mullion mounting.	4,004.53	192.68
28 16 11 00-0113			<b>Call Station Controls, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0114	EA		Call Station With Entry Keypad, Exterior Wiegand Output Access Controls..... Note: For mullion mounting.	1,621.74	192.68
28 16 11 00-0115	EA		Call Station With Proximity Card Reader, Exterior Wiegand Output Access Controls..... Note: For mullion mounting.	1,364.16	192.68
28 16 11 00-0116			<b>Biometrics Readers, Wiegand Output Access Controls</b> (28 16 11 00-0064)		
28 16 11 00-0117	EA		Palm Reader Recognition System, Biometrics Readers, Wiegand Output Access Controls.....	7,035.33	154.14
28 16 11 00-0118	EA		CCD Camera, Face Image, Biometrics Readers, Wiegand Output Access Controls.....	8,581.15	154.14
28 16 11 00-0119	EA		Video Grabber Card For DFR Reader, Biometrics Readers, Wiegand Output Access Controls.....	3,415.47	154.14
28 16 11 00-0120	EA		Fingerprint Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Pass).....	2,058.69	154.14
28 16 11 00-0121	EA		Fingerprint Reader With HID Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Prox).....	2,285.36	154.14
28 16 11 00-0122	EA		Fingerprint Reader With Contactless Smart Card Reader, Biometrics Readers, Wiegand Output Access Controls (Bioscrypt V-Smart).....	2,058.69	154.14
28 16 11 00-0123			<b>Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11)		
28 16 11 00-0124			<b>2" x 2" Steel, Exterior Mounting Posts For Gate Operator Access Controls</b> (28 16 11 00-0123)		
28 16 11 00-0125	EA		44" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls..... Note: Includes a 5" x 5" base plate.	490.76	61.65

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 16 11 00-0126	EA		73" Tall, Gooseneck Style, Dual Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes an 8" x 8" base plate.	896.02	61.65
28 16 11 00-0127	EA		Anchor Post For 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	449.55	61.65
<b>28 16 11 00-0128</b>			<b>4" x 4" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)</b>		
28 16 11 00-0129	EA		59" Tall, Straight Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... Note: Includes an 8" x 8" base plate.	855.44	73.97
28 16 11 00-0130	EA		49" Tall, Offset Style, Single Mount, 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... Note: Includes an 8" x 8" base plate and a 14" offset from back of post.	1,006.55	73.97
28 16 11 00-0131	EA		Anchor Post For 4" x 4" Steel, Exterior Mounting Post For Vehicular Gate Operator Access Controls ..... Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	645.94	73.97
<b>28 16 11 00-0132</b>			<b>4" x 8" Steel, Exterior Mounting Posts For Gate Operator Access Controls (28 16 11 00-0123)</b>		
28 16 11 00-0133	EA		59" Tall, Straight Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes a 11" x 13" base plate.	2,640.53	92.46
28 16 11 00-0134	EA		50" Tall, Offset Style, Single Mount, 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes a 10" x 14" base plate and a 14" offset from back of post.	2,760.73	92.46
28 16 11 00-0135	EA		Anchor Post For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls ..... Note: Includes a 24" in-ground post with matching base plate, conduit access and mounting hardware.	1,198.08	30.82
28 16 11 00-0136	EA		48" Light Tower For 4" x 8" Steel, Exterior Mounting Post For Gate Operator Access Controls .....	1,850.61	92.46
<b>28 16 11 00-0137</b>			<b>Magnetic Locks (28 16 11)</b> Note: Excludes access controls.		
<b>28 16 11 00-0138</b>			<b>Magnetic Door Locks (28 16 11 00-0137)</b>		
<b>28 16 11 00-0139</b>			<b>300 LB Magnetic Door Locks (28 16 11 00-0138)</b>		
28 16 11 00-0140	EA		Single Door, Surface Mount, 300 LB Magnetic Door Lock.....	716.98	154.14
<b>28 16 11 00-0141</b>			<b>600 LB Magnetic Door Locks (28 16 11 00-0138)</b>		
28 16 11 00-0142	EA		600 LB, Single Door, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 86.50 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 173.01 For Mortise Mount, Deduct -138.41	1,000.32	154.14
28 16 11 00-0143	EA		600 LB, Dual Doors, Surface Mount, Magnetic Door Lock ..... For LED Status Indicator And Signal Relay, Add 144.67 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 289.35	1,465.68	154.14
<b>28 16 11 00-0144</b>			<b>1,200 LB Magnetic Door Locks (28 16 11 00-0138)</b>		
28 16 11 00-0145	EA		1,200 LB, Single Door, Surface Mount, Magnetic Door Lock..... For LED Status Indicator And Signal Relay, Add 169.04 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 220.49	1,043.25	154.14
28 16 11 00-0146	EA		Dual Doors, Surface Mount, 1,200 LB Magnetic Door Lock ..... For LED Status Indicator And Signal Relay, Add 287.53 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 375.04	1,558.41	154.14
<b>28 16 11 00-0147</b>			<b>2,000 LB Shear Lock, Magnetic And Mechanical Locks (28 16 11 00-0138)</b> Note: Includes LED status indicator and built-in signal relay.		
28 16 11 00-0148	EA		Single Door, Mortise Mount, 2,000 LB Shear Lock, Magnetic And Mechanical Door Lock.....	1,089.62	154.14
<b>28 16 11 00-0149</b>			<b>Magnetic Gate Locks (28 16 11 00-0137)</b>		
<b>28 16 11 00-0150</b>			<b>600 LB Magnetic Gate Locks (28 16 11 00-0149)</b>		
28 16 11 00-0151	EA		600 LB Magnetic Gate Lock .....	830.32	154.14
<b>28 16 11 00-0152</b>			<b>1,200 LB Magnetic Gate Locks (28 16 11 00-0149)</b>		
28 16 11 00-0153	EA		1,200 LB Magnetic Gate Lock ..... For LED Status Indicator And Signal Relay, Add 84.79 For LED Status Indicator, Signal Relay And Built-In Delay Timer, Add 169.57 For Mortise Mount, Deduct -135.66	986.58	154.14
<b>28 16 11 00-0154</b>			<b>Magnetic Lock Power Supply And Chargers (28 16 11 00-0137)</b> Note: Includes lockable metal enclosure, batteries, battery charger and electronically regulated outputs.		
28 16 11 00-0155	EA		12/24 Volt DC At 1 Ampere, Magnetic Lock Backup Power Supply And Charger .....	630.40	154.14
28 16 11 00-0156	EA		12/24 Volt DC At 2-1/2 Amperes, Magnetic Lock Backup Power Supply And Charger .....	786.09	154.14
28 16 11 00-0157	EA		12 Volt DC At 4 Amperes And 24 Volt DC At 3 Amperes, Magnetic Lock Backup Power Supply And Charger .....	877.67	154.14
28 16 11 00-0158	EA		12/24 Volt DC At 6 Amperes, Magnetic Lock Backup Power Supply And Charger.....	1,088.32	154.14
<b>28 16 11 00-0159</b>			<b>Access Control Accessories (28 16 11)</b>		
28 16 11 00-0160	EA		6 Volt DC, 12 Volt DC, Or 24 Volt DC, At 4 Amperes, Power Supply/Charger (Altronix SMP-5) .....	693.42	
28 16 11 00-0161	EA		7 Amperes, 12 Volt, Battery.....	87.85	
28 16 11 00-0162	EA		18 Amperes, 12 Volt, Battery.....	195.81	
28 16 11 00-0163	EA		Door Personality Module (Sensormatic RM-4).....	752.91	38.54

**28 Electronic Safety and Security****28 10 Access Control****28 16 Access Control Interfaces**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
28 16 11 00-0164	EA	Mini-Alert Door Ajar Sounder (System Sensor PA400).....	321.20	77.07
28 16 11 00-0165	EA	Recessed Contact For Steel Doors, Door Monitor Switch (Sentrol 1078C).....	105.45	46.24
28 16 11 00-0166	EA	Access Control Systems Power Supply (Altronix AL400ULACMCB).....	811.10	30.83
28 16 11 00-0167	EA	Surge Suppressor (Tripp-Lite IBAR4).....	123.41	7.72
28 16 11 00-0168	EA	Door Strike Relay (Altronix RBSN-TTL).....	94.98	30.83
28 16 11 00-0169	EA	4" Diameter x 74" High, Powder Coated Steel, Burial Mount Gooseneck For Access Control Devices (GNB-1).....	562.36	
		Note: Set in concrete.		
28 16 11 00-0170	EA	16-Zone Input, Door Controller Expansion Module With 16" SPI Cable (Kantech KT-MOD-INP16).....	779.62	192.68
28 16 11 00-0171		<b>Access Controllers</b> (28 16 11)		
28 16 11 00-0172		<b>Microterm Controller</b> (28 16 11 00-0171)		
28 16 11 00-0173	EA	Microterm Stand Alone One Or Two Door Processing Panel (Continental Instruments CICIP1100).....	1,909.23	192.68
		Note: Up to 1,000 card capacity. Includes 2 alarm inputs, tamper alarm, and 3 relay outputs.		
28 16 11 00-0174	EA	Microterm PC Board (Continental Instruments CICIP1100PCB).....	1,358.75	115.61
28 16 11 00-0175	EA	Battery Standby For Microterm (Continental Instruments CICIP1100BAT-2).....	634.23	
		Note: Input 120 Volt AC, output 12 Volt DC to temporarily power the Microterm only.		
28 16 11 00-0176		<b>Miniterm Controller</b> (28 16 11 00-0171)		
28 16 11 00-0177	EA	Miniterm Two Reader Processing Panel (Continental Instrument CICIP1200).....	2,955.43	192.68
		Note: Up to 3,000 card capacity. Includes 8 EOL Class A supervised alarm inputs, tamper alarm, and 5 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0178	EA	Miniterm PC Board (Continental Instrument CICIP1200PCB).....	2,213.86	115.61
28 16 11 00-0179		<b>Super-2 Controller</b> (28 16 11 00-0171)		
28 16 11 00-0180	EA	Super-Two - Two Reader Processing Panel (Continental Instruments CICIP1300).....	2,203.26	192.68
		Note: For use with CA3000 V2.0.25 and above. Up to a 125,000 card capacity, 8 EOL supervised alarm inputs, tamper, 5 relay outputs. Support for on-board LAN adapter, 57,600 baud rate, 6 access groups per card-holder and compressed data mode. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0181	EA	Super-Two - PC Board (Continental Instruments CICIP1300BD).....	1,494.98	115.61
28 16 11 00-0182	EA	Network Interface Board For Super-2 (Continental Instruments CICIP1300NETBD).....	430.01	115.61
		Note: Optional on-board adapter allows for communication over TCP/IP.		
28 16 11 00-0183		<b>Smarterm Controller</b> (28 16 11 00-0171)		
28 16 11 00-0184	EA	Smarterm Four Reader Processing Panel (Continental Instrument CICIP1400).....	6,153.68	231.21
		Note: Card capacity up to 2,500. Includes 16 alarm inputs, tamper alarm, and 9 relay outputs. Complete in a lockable steel enclosure with battery standby for memory and system operation.		
28 16 11 00-0185	EA	Smarterm PC Board (Continental Instrument CICIP1400PCB).....	4,706.36	115.61
28 16 11 00-0186	EA	Smarterm Memory Board - 256K (Continental Instrument CICIP1400MB256-1).....	1,844.94	115.61
		Note: Up to 10,000 cardholders.		
28 16 11 00-0187	EA	Smarterm Memory Board - 2MB (Continental Instrument CICIP1400MB2-1).....	2,613.53	115.61
		Note: Up to 50,000 cardholders.		
28 16 11 00-0188	EA	Smarterm Relay Expander Board (Continental Instrument CICIP1400RB).....	2,037.61	115.61
		Note: 16 Output relays, 8 alarm inputs.		
28 16 11 00-0189	EA	Smarterm Alarm Expander Board (Continental Instrument CICIP1400RB).....	2,037.61	115.61
		Note: (Supervised) 16 alarm inputs.		
28 16 11 00-0190		<b>Superterm-4 Controller</b> (28 16 11 00-0171)		
28 16 11 00-0191	EA	Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400UL).....	5,684.66	231.21
		Note: 20,000 card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0192	EA	Superterm-4 PC Board (Continental Instrument CICIP1400ULPCB).....	4,627.52	115.61
28 16 11 00-0193		<b>Superterm-8 Controller</b> (28 16 11 00-0171)		
28 16 11 00-0194	EA	Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800).....	7,589.18	385.36
		Note: Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0195	EA	Superterm-8 - Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800EXP).....	8,229.67	385.36
		Note: With expanded power supply. (required if more than 1 relay expander board is used.) Up to 20,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including 7 AH battery standby for memory and system operation.		
28 16 11 00-0196	EA	Superterm-8 PC Board (Continental Instrument CICIP1800PCB).....	6,223.76	115.61
28 16 11 00-0197		<b>Turbo Superterm-4 Controller</b> (28 16 11 00-0171)		
28 16 11 00-0198	EA	Turbo Superterm-4 - Four Reader Processing Panel (Continental Instrument CICIP1400ULT).....	5,684.66	231.21
		Note: 20,000 Card capacity, 12 supervised alarm inputs, tamper alarm, and 9 relay outputs. Complete in a painted steel enclosure with 7 AH battery standby for system operation.		
28 16 11 00-0199	EA	Turbo Superterm-4 PC Board (Continental Instrument CICIP1400ULTPCB).....	4,627.52	115.61
28 16 11 00-0200		<b>Turbo Superterm-8 Controller</b> (28 16 11 00-0171)		
28 16 11 00-0201	EA	Turbo Superterm-8 - Eight Reader Processing Panel (Continental Instrument CICIP1800T).....	7,589.18	385.36
		Note: For use with CA3000 V2.0.25 and above. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 16 11 00-0202	EA		Turbo Superterm-8 -Eight Reader Processing Panel, Expanded Power (Continental Instrument CICIP1800TEXP) ..... 8,229.67 Note: Required if more than one relay expander board is used. Up to 40,000 card capacity, 24 supervised alarm inputs, tamper alarm, and 17 relay outputs. Complete in a steel enclosure including a 7 AH battery standby for memory and system operation.	8,229.67	385.36
28 16 11 00-0203	EA		Turbo Superterm-8 PC Board (Continental Instrument CICIP1800TPCB)..... 6,223.76	6,223.76	115.61
28 16 11 00-0204	EA		Superterm Memory Board - 2MB (Continental Instrument CICIP1800MB2)..... 2,613.53 Note: Up to 140,000 cardholders.	2,613.53	115.61
28 16 11 00-0205	EA		Turbo/Superterm-8 Memory Board - 2MB (Continental Instrument CICIP1800MB2X2)..... 2,203.60 Note: Up to 140,000 cardholders.	2,203.60	115.61
28 16 11 00-0206	EA		Turbo Superterm-8 Relay Expander Board (Continental Instrument CICIP1800RB)..... 2,039.68 Note: 16 Output relays, 8 alarm inputs.	2,039.68	115.61
28 16 11 00-0207	EA		Turbo Superterm-8 Alarm Expander Board (Continental Instrument CICIP1800RB)..... 2,039.68 Note: (Supervised) 16 Alarm inputs.	2,039.68	115.61
28 16 11 00-0208	EA		Expanded Power Supply For Superterm Or Turbo Superterm (Continental Instrument CICIPEXPWS) ..... 821.54	821.54	
28 16 11 00-0209			<b>Intelligent Controller</b> (28 16 11 00-0171)		
28 16 11 00-0210	EA		Intelligent Controller With Paired Reader Interface for One Physical Barrier (Mercury Security EP-1501)..... 1,468.33	1,468.33	115.61
28 16 11 00-0211	EA		Up To 64 Doors, Access Controller (Mercury Security EP-1502) ..... 2,554.71	2,554.71	192.68
28 16 11 00-0212			<b>Access Control Bundled System</b> (28 16 11)		
28 16 11 00-0213	EA		CA 3000 Bundled System, Supports 25 Users (Continental Instrument CA3B250P4O3V0R0) ..... 40,885.92 Note: System includes PC, monitor, keyboard, mouse, OS, Card Access 3000 file server software, MS SQL 2000, 1 SQL host license, and security key.	40,885.92	

**28 20 Video Surveillance** (28)

**28 21 Surveillance Cameras** (28 20)

**28 21 31 Proprietary Surveillance Camera Systems** (28 21)

Note: Includes programming of equipment, testing and certification of new devices.

28 21 31 00-0001			<b>Closed Circuit Television And Surveillance Systems (Pelco)</b> (28 21 31)		
28 21 31 00-0002			<b>Cameras And Accessories</b> (28 21 31 00-0001)		
28 21 31 00-0003			<b>Cameras</b> (28 21 31 00-0002)		
28 21 31 00-0004			<b>Compact, 1/3" Format Cameras</b> (28 21 31 00-0003)		
28 21 31 00-0005			<b>High Resolution Color, Compact, 1/3" Format Cameras</b> (28 21 31 00-0004)		
28 21 31 00-0006	EA		High Resolution Day/Night, Compact, 1/3" Format Camera (Pelco C10DN-6) ..... 706.59	706.59	38.61
28 21 31 00-0007			<b>Day/Night, Compact, 1/3" Format Cameras</b> (28 21 31 00-0004)		
28 21 31 00-0008	EA		High Resolution Color, Compact, 1/3" Format Camera (Pelco C10CH-6) ..... 421.14	421.14	38.61
28 21 31 00-0009			<b>Camerapaks</b> (28 21 31 00-0002)		
			Note: Includes camera and lens.		
28 21 31 00-0010			<b>Camerapaks</b> (28 21 31 00-0009)		
28 21 31 00-0011			<b>High Resolution Color, Camerapaks</b> (28 21 31 00-0010)		
28 21 31 00-0012			<b>Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0011)		
28 21 31 00-0013			<b>Manual Iris, Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0012)		
28 21 31 00-0014	EA		2.3 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3) ..... 544.95	544.95	38.61
28 21 31 00-0015	EA		2.8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8) ..... 512.85	512.85	38.61
28 21 31 00-0016	EA		4 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4) ..... 497.95	497.95	38.61
28 21 31 00-0017	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8) ..... 494.51	494.51	38.61
28 21 31 00-0018			<b>Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapaks</b> (28 21 31 00-0012)		
28 21 31 00-0019	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.3A)..... 593.10	593.10	38.61
28 21 31 00-0020	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F2.8A)..... 544.95	544.95	38.61
28 21 31 00-0021	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F4A)..... 533.49	533.49	38.61
28 21 31 00-0022	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Color, Camerapak (Pelco C10CH-6F8A)..... 524.32	524.32	38.61
28 21 31 00-0023			<b>Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0011)		
28 21 31 00-0024			<b>Manual Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0011)		
28 21 31 00-0025	EA		1-3 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1) ..... 640.10	640.10	38.61
28 21 31 00-0026	EA		2.5-6 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2) ..... 578.20	578.20	38.61
28 21 31 00-0027	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21) ..... 527.76	527.76	38.61
28 21 31 00-0028	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3) ..... 507.12	507.12	38.61
28 21 31 00-0029	EA		5-40 mm, Manual Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5) ..... 583.93	583.93	38.61
28 21 31 00-0030			<b>Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0023)		
28 21 31 00-0031	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V1A)..... 690.54	690.54	38.61
28 21 31 00-0032	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V2A)..... 648.13	648.13	38.61
28 21 31 00-0033	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V21A)..... 575.90	575.90	38.61

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0034	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V3A).....	515.14		38.61
28 21 31 00-0035	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V5A).....	608.00		38.61
28 21 31 00-0036	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V50A).....	685.96		38.61
28 21 31 00-0037	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6V55A).....	785.70		38.61
<b>28 21 31 00-0038</b>		<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapaks</b> (28 21 31 00-0023)			
28 21 31 00-0039	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R3A).....	541.51		38.61
28 21 31 00-0040	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Color, Camerapak (Pelco C10CH-6R75A).....	645.83		38.61
<b>28 21 31 00-0041</b>		<b>High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0010)			
<b>28 21 31 00-0042</b>		<b>Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0041)			
<b>28 21 31 00-0043</b>		<b>Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0042)			
28 21 31 00-0044	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V2A).....	1,086.05		38.61
28 21 31 00-0045	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V21A).....	1,013.83		38.61
28 21 31 00-0046	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V3A).....	953.07		38.61
28 21 31 00-0047	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V5A).....	1,045.93		38.61
28 21 31 00-0048	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V50A).....	1,123.88		38.61
28 21 31 00-0049	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6V55A).....	1,222.47		38.61
<b>28 21 31 00-0050</b>		<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapaks</b> (28 21 31 00-0042)			
28 21 31 00-0051	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R3A).....	979.44		38.61
28 21 31 00-0052	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Camerapak (Pelco C1390H-6R75A).....	1,083.76		38.61
<b>28 21 31 00-0053</b>		<b>Compact Camerapaks</b> (28 21 31 00-0009)			
<b>28 21 31 00-0054</b>		<b>High Resolution Color, Compact Camerapaks</b> (28 21 31 00-0053)			
<b>28 21 31 00-0055</b>		<b>DSS, High Resolution Color, Compact Camerapaks</b> (28 21 31 00-0054)			
<b>28 21 31 00-0056</b>		<b>Fixed Focus, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0055)			
<b>28 21 31 00-0057</b>		<b>Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0056)			
28 21 31 00-0058	EA	2.3 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3).....	844.16		38.61
28 21 31 00-0059	EA	2.8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8).....	812.06		38.61
28 21 31 00-0060	EA	4 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4).....	796.01		38.61
28 21 31 00-0061	EA	8 mm, Manual Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8).....	792.57		38.61
<b>28 21 31 00-0062</b>		<b>Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0056)			
28 21 31 00-0063	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.3A).....	891.16		38.61
28 21 31 00-0064	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F2.8A).....	844.16		38.61
28 21 31 00-0065	EA	4 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F4A).....	832.70		38.61
28 21 31 00-0066	EA	8 mm, Direct Drive Auto Iris, Fixed Focus, DSS, High Resolution Color, Camerapak (Pelco C3751H-2F8A).....	823.53		38.61
<b>28 21 31 00-0067</b>		<b>Varifocal, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0055)			
<b>28 21 31 00-0068</b>		<b>Manual Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0067)			
28 21 31 00-0069	EA	1-3 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1).....	939.31		38.61
28 21 31 00-0070	EA	2.5-6 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2).....	876.26		38.61
28 21 31 00-0071	EA	2.8-12 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21).....	826.97		38.61
28 21 31 00-0072	EA	3-8 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3).....	806.33		38.61
28 21 31 00-0073	EA	5-40 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5).....	881.99		38.61
28 21 31 00-0074	EA	5-50 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50).....	931.29		38.61
28 21 31 00-0075	EA	5.5-82.5 mm, Manual Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55).....	1,048.22		38.61
<b>28 21 31 00-0076</b>		<b>Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0067)			
28 21 31 00-0077	EA	1-3 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V1A).....	988.61		38.61
28 21 31 00-0078	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V2A).....	947.34		38.61
28 21 31 00-0079	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V21A).....	875.11		38.61
28 21 31 00-0080	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V3A).....	813.21		38.61
28 21 31 00-0081	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V5A).....	907.21		38.61
28 21 31 00-0082	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V50A).....	985.17		38.61
28 21 31 00-0083	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2V55A).....	1,083.76		38.61
<b>28 21 31 00-0084</b>		<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapaks</b> (28 21 31 00-0067)			
28 21 31 00-0085	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R3A).....	840.72		38.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0086	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, DSS, High Resolution Color, Camerapak (Pelco C3751H-2R75A).....	945.04	38.61
28 21 31 00-0087			<b>EDR, High Resolution Color, Compact Camerapaks</b> (28 21 31 00-0054)		
28 21 31 00-0088			<b>Fixed Focus, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0087)		
28 21 31 00-0089			<b>Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0088)		
28 21 31 00-0090	EA		2.3 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3).....	844.16	38.61
28 21 31 00-0091	EA		2.8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8).....	633.22	38.61
28 21 31 00-0092	EA		4 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4).....	617.17	38.61
28 21 31 00-0093	EA		8 mm, Manual Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8).....	613.74	38.61
28 21 31 00-0094			<b>Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0088)		
28 21 31 00-0095	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.3A).....	712.33	38.61
28 21 31 00-0096	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F2.8A).....	665.32	38.61
28 21 31 00-0097	EA		4 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F4A).....	653.86	38.61
28 21 31 00-0098	EA		8 mm, Direct Drive Auto Iris, Fixed Focus, EDR, High Resolution Color, Camerapak (Pelco C3701H-2F8A).....	653.86	38.61
28 21 31 00-0099			<b>Varifocal, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0087)		
28 21 31 00-0100			<b>Manual Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0099)		
28 21 31 00-0101	EA		1-3 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1).....	760.47	38.61
28 21 31 00-0102	EA		2.5-6 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2).....	697.42	38.61
28 21 31 00-0103	EA		2.8-12 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21).....	648.13	38.61
28 21 31 00-0104	EA		3-8 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3).....	627.49	38.61
28 21 31 00-0105	EA		5-40 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5).....	703.15	38.61
28 21 31 00-0106	EA		5-50 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50).....	752.45	38.61
28 21 31 00-0107	EA		5.5-82.5 mm, Manual Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55).....	869.38	38.61
28 21 31 00-0108			<b>Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0099)		
28 21 31 00-0109	EA		1-3 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V1A).....	809.77	38.61
28 21 31 00-0110	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V2A).....	768.50	38.61
28 21 31 00-0111	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V21A).....	695.13	38.61
28 21 31 00-0112	EA		3-8 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V3A).....	634.37	38.61
28 21 31 00-0113	EA		5-40 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V5A).....	728.38	38.61
28 21 31 00-0114	EA		5-50 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V50A).....	806.33	38.61
28 21 31 00-0115	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2V55A).....	904.92	38.61
28 21 31 00-0116			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapaks</b> (28 21 31 00-0099)		
28 21 31 00-0117	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R3A).....	661.88	38.61
28 21 31 00-0118	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, EDR, High Resolution Color, Camerapak (Pelco C3701H-2R75A).....	766.21	38.61
28 21 31 00-0119			<b>High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0053)		
28 21 31 00-0120			<b>Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0119)		
28 21 31 00-0121			<b>Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0120)		
28 21 31 00-0122	EA		8 mm, Manual Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F8).....	779.96	38.61
28 21 31 00-0123			<b>DC-Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0120)		
28 21 31 00-0124	EA		2.3 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.3A).....	878.55	38.61
28 21 31 00-0125	EA		2.8 mm, Direct Drive Auto Iris, Fixed Focus, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6F2.8A).....	830.40	38.61
28 21 31 00-0126			<b>Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0119)		
28 21 31 00-0127			<b>Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0126)		
28 21 31 00-0128	EA		2.8-12 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21).....	813.21	38.61
28 21 31 00-0129	EA		3-8 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3).....	792.57	38.61
28 21 31 00-0130	EA		5-50 mm, Manual Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50).....	918.68	38.61
28 21 31 00-0131			<b>Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0126)		
28 21 31 00-0132	EA		2.5-6 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V2A).....	933.58	38.61

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0133	EA	2.8-12 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V21A).....	861.36		38.61
28 21 31 00-0134	EA	3-8 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V3A) .....	800.60		38.61
28 21 31 00-0135	EA	5-40 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V5A) .....	893.46		38.61
28 21 31 00-0136	EA	5-50 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V50A).....	971.41		38.61
28 21 31 00-0137	EA	5.5-82.5 mm, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6V55A).....	1,071.15		38.61
28 21 31 00-0138		<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapaks</b> (28 21 31 00-0126)			
28 21 31 00-0139	EA	3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R3A) .....	826.97		38.61
28 21 31 00-0140	EA	7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal, High Resolution Day/Night, Compact Camerapak (Pelco C10DN-6R75A) .....	931.29		38.61
28 21 31 00-0141		<b>Camera Systems</b> (28 21 31 00-0002)			
28 21 31 00-0142		<b>Camera Dome Systems</b> (28 21 31 00-0141)			
28 21 31 00-0143		<b>Spectra®, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0142)			
28 21 31 00-0144		<b>Spectra®, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0143) Note: Includes dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.			
28 21 31 00-0145		<b>Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0144)			
28 21 31 00-0146		<b>Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0145)			
28 21 31 00-0147	EA	22X, Surface Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-SMB) .....	3,476.07		231.66
28 21 31 00-0148	EA	22X, In-Ceiling Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-F) .....	3,946.09		231.66
28 21 31 00-0149	EA	22X, Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PB) .....	4,157.03		231.66
28 21 31 00-0150	EA	22X, Environmental Pendant Mount, Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PG-E) .....	5,734.48		231.66
28 21 31 00-0151		<b>Color, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0145)			
28 21 31 00-0152	EA	16X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-SMB).....	2,942.99		231.66
28 21 31 00-0153	EA	16X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F) .....	3,180.30		231.66
28 21 31 00-0154	EA	16X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PB) .....	3,392.38		231.66
28 21 31 00-0155	EA	16X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-F-E).....	3,513.90		231.66
28 21 31 00-0156	EA	16X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PG-E) .....	3,513.90		231.66
28 21 31 00-0157	EA	22X, Surface Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-SMB) .....	3,677.84		231.66
28 21 31 00-0158	EA	22X, In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F) .....	4,149.01		231.66
28 21 31 00-0159	EA	22X, Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PB) .....	4,361.09		231.66
28 21 31 00-0160	EA	22X, Environmental In-Ceiling Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-F-E).....	4,482.61		231.66
28 21 31 00-0161	EA	22X, Environmental Pendant Mount, Color, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PG-E) .....	4,482.61		231.66
28 21 31 00-0162		<b>Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0145)			
28 21 31 00-0163	EA	23X, Surface Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-SMB) .....	4,265.94		231.66
28 21 31 00-0164	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F) .....	4,737.11		231.66
28 21 31 00-0165	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PB) .....	4,949.19		231.66
28 21 31 00-0166	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-F-E) .....	5,070.71		231.66
28 21 31 00-0167	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PG-E) .....	5,070.71		231.66
28 21 31 00-0168		<b>Day/Night, Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0145)			
28 21 31 00-0169	EA	18X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-SMB).....	3,880.75		231.66
28 21 31 00-0170	EA	18X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F) .....	4,119.20		231.66
28 21 31 00-0171	EA	18X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PB) .....	4,330.14		231.66
28 21 31 00-0172	EA	18X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-F-E) .....	4,451.66		231.66
28 21 31 00-0173	EA	18X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PG-E) .....	4,451.66		231.66
28 21 31 00-0174	EA	35X, Surface Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-SMB) .....	4,652.28		231.66
28 21 31 00-0175	EA	35X, In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F) .....	5,027.15		231.66
28 21 31 00-0176	EA	35X, Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PB) .....	5,238.09		231.66
28 21 31 00-0177	EA	35X, Environmental In-Ceiling Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-F-E) .....	5,359.60		231.66
28 21 31 00-0178	EA	35X, Environmental Pendant Mount, Day/Night, Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PG-E) .....	5,359.60		231.66
28 21 31 00-0179		<b>Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0144)			
28 21 31 00-0180		<b>Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0179)			
28 21 31 00-0181	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HF) .....	3,799.35		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0182	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HP) .....	4,003.41		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0183	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-HPE) .....	4,166.20		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0184	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HF) .....	4,696.99		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0185	EA		22X, Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HP).....	4,901.04	231.66
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0186	EA		22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-HPE).....	5,064.98	231.66
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
<b>28 21 31 00-0187</b>			<b>Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0179)</b>		
28 21 31 00-0188	EA		18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HF) .....	4,737.11	231.66
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0189	EA		18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HP) .....	4,941.17	231.66
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0190	EA		18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-HPE).....	5,105.10	231.66
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0191	EA		35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HF) .....	5,575.13	231.66
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0192	EA		35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HP) .....	5,778.04	231.66
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
28 21 31 00-0193	EA		35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-HPE).....	5,941.98	231.66
			<i>For Protective Lower Dome Cage, Add</i>	34.65	
<b>28 21 31 00-0194</b>			<b>Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)</b>		
<b>28 21 31 00-0195</b>			<b>Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0194)</b>		
28 21 31 00-0196	EA		18X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PRE).....	6,242.33	231.66
28 21 31 00-0197	EA		35X, Environmental Pendant Mount, Day/Night, Pressurized Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PRE).....	7,080.35	231.66
<b>28 21 31 00-0198</b>			<b>Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0144)</b>		
<b>28 21 31 00-0199</b>			<b>Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)</b>		
28 21 31 00-0200	EA		22X, Environmental Pendant Mount, Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4M22-PSGE).....	5,437.56	231.66
<b>28 21 31 00-0201</b>			<b>Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)</b>		
28 21 31 00-0202	EA		16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4TC-PSGE) .....	4,742.84	231.66
28 21 31 00-0203	EA		22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4C22-PSGE).....	5,641.62	231.66
<b>28 21 31 00-0204</b>			<b>Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)</b>		
28 21 31 00-0205	EA		23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD4CBW-PSGE).....	6,229.72	231.66
<b>28 21 31 00-0206</b>			<b>Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome Systems (28 21 31 00-0198)</b>		
28 21 31 00-0207	EA		18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD418-PSGE).....	5,681.74	231.66
28 21 31 00-0208	EA		35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV, Pan/Tilt Camera Dome System (Pelco SD435-PSGE).....	6,518.61	231.66
<b>28 21 31 00-0209</b>			<b>Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0144)</b>		
<b>28 21 31 00-0210</b>			<b>Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome Systems (28 21 31 00-0209)</b>		
28 21 31 00-0211	EA		10X, In-Ceiling Mount, Color, Miniature Spectra®, Mini Pan/Tilt Camera Dome System (Pelco SD4-B) .....	2,225.35	231.66
<b>28 21 31 00-0212</b>			<b>Spectra® IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0143)</b>		
			Note: Includes simultaneous IP and analog video and control, dome drive, camera, lens, back box, clear or smoked lower dome and mounting hardware.		
<b>28 21 31 00-0213</b>			<b>Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0212)</b>		
<b>28 21 31 00-0214</b>			<b>Color, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems (28 21 31 00-0213)</b>		
28 21 31 00-0215	EA		16X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F).....	4,036.66	231.66
28 21 31 00-0216	EA		16X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PB).....	4,248.74	231.66
28 21 31 00-0217	EA		16X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-F-E) .....	4,370.26	231.66
28 21 31 00-0218	EA		16X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NTC-PG-E).....	4,370.26	231.66
28 21 31 00-0219	EA		22X, In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F1).....	5,005.37	231.66
28 21 31 00-0220	EA		22X, Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PB-1).....	5,217.45	231.66
28 21 31 00-0221	EA		22X, Environmental In-Ceiling Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-F-E1) .....	5,338.97	231.66



**28 Electronic Safety and Security**

**28 20 Video Surveillance**

**28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0222	EA	22X, Environmental Pendant Mount, Color, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NC22-PG-E1) .....	5,338.97		231.66
28 21 31 00-0223		<b>Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0213)</small>			
28 21 31 00-0224	EA	23X, In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F1) .....	5,593.47		231.66
28 21 31 00-0225	EA	23X, Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PB-1) .....	5,805.55		231.66
28 21 31 00-0226	EA	23X, Environmental In-Ceiling Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-F-E1) .....	5,927.07		231.66
28 21 31 00-0227	EA	23X, Environmental Pendant Mount, Color/Black And White, Spectra® IV IP Network, Pan/Tilt Camera Dome System (Pelco SD4NCBW-PG-E1) .....	5,927.07		231.66
28 21 31 00-0228		<b>Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0212)</small>			
28 21 31 00-0229		<b>Color, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0228)</small>			
28 21 31 00-0230	EA	16X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HF1) .....	4,655.71		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0231	EA	16X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HP1) .....	4,859.77		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0232	EA	16X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-HPE1) .....	5,022.56		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0233	EA	22X, In-Ceiling Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HF1) .....	5,553.35		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0234	EA	22X, Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HP1) .....	5,757.41		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0235	EA	22X, Environmental Pendant Mount, Color, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-HPE1) .....	5,921.34		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0236		<b>Day/Night, Heavy Duty Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0228)</small>			
28 21 31 00-0237	EA	18X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HF1) .....	5,593.47		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0238	EA	18X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HP1) .....	5,797.53		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0239	EA	18X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-HPE1) .....	5,961.46		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0240	EA	35X, In-Ceiling Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HF1) .....	6,431.49		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0241	EA	35X, Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HP1) .....	6,634.40		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0242	EA	35X, Environmental Pendant Mount, Day/Night, Heavy Duty Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-HPE1) .....	6,798.34		231.66
		<i>For Protective Lower Dome Cage, Add</i>	34.65		
28 21 31 00-0243		<b>Stainless Steel Spectra® IV IP Network, Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0212)</small>			
28 21 31 00-0244		<b>Color, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0243)</small>			
28 21 31 00-0245	EA	16X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NTC-PSGE1) .....	5,599.20		231.66
28 21 31 00-0246	EA	22X, Environmental Pendant Mount, Color, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4NC22-PSGE1) .....	6,497.98		231.66
28 21 31 00-0247		<b>Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0243)</small>			
28 21 31 00-0248	EA	23X, Environmental Pendant Mount, Color/Black And White, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1) .....	7,086.08		231.66
28 21 31 00-0249		<b>Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0243)</small>			
28 21 31 00-0250	EA	18X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N18-PSGE1) .....	6,538.10		231.66
28 21 31 00-0251	EA	35X, Environmental Pendant Mount, Day/Night, Stainless Steel Spectra® IV IP Network, Camera Dome System (Pelco SD4N35-PSGE1) .....	7,374.98		231.66
28 21 31 00-0252		<b>Miniature Spectra® IP Network, Mini Pan/Tilt Camera Dome Systems</b> <small>(28 21 31 00-0212)</small>			
28 21 31 00-0253		<b>Color, Miniature Spectra® IP Network, Mini Camera Dome Systems</b> <small>(28 21 31 00-0252)</small>			

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0254 EA 10X, In-Ceiling Mount, Color, Miniature Spectra® IP Network, Black Mini Camera Dome System (Pelco SD4N-W1).....	2,777.91	231.66
<b>28 21 31 00-0255 Spectra®, Pan/Tilt Dome Drives</b> (28 21 31 00-0143) Note: Includes dome drive, camera and lens.		
28 21 31 00-0256 EA 10X, Color Camera, Spectra® Mini Dome Drive (Pelco DD4).....	2,062.15	193.05
28 21 31 00-0257 EA 10X, Color Camera, Spectra® IP Network, Mini Dome Drive (Pelco DD4N).....	2,612.42	193.05
28 21 31 00-0258 EA 22X, Black And White Camera, Spectra® IV Dome Drive (Pelco DD4M22).....	3,292.23	193.05
28 21 31 00-0259 EA 16X, Color Camera, Spectra® IV Dome Drive (Pelco DD4TC16).....	2,597.52	193.05
28 21 31 00-0260 EA 22X, Color Camera, Spectra® IV Dome Drive (Pelco DD4C22).....	3,495.15	193.05
28 21 31 00-0261 EA 18X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW18).....	3,535.27	193.05
28 21 31 00-0262 EA 23X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW23).....	4,083.25	193.05
28 21 31 00-0263 EA 35X, Day/Night Camera, Spectra® IV Dome Drive (Pelco DD4CBW35).....	4,373.29	193.05
28 21 31 00-0264 EA 35X, Color/Black And White Camera, Spectra® IV Horizon Dome Drive (Pelco DD4H35).....	4,373.29	193.05
<b>28 21 31 00-0265 Accessories For Spectra® Pan/Tilt Camera Dome Systems</b> (28 21 31 00-0143)		
28 21 31 00-0266 EA Upgrade To Chrome Lower Dome (Pelco Spectra).....	161.64	
28 21 31 00-0267 EA Upgrade To Gold Lower Dome (Pelco Spectra).....	210.94	
28 21 31 00-0268 EA Wall Mount For Spectra® Systems (Pelco IWM-BK).....	180.76	19.31
28 21 31 00-0269 EA 24 Volt Out, Wall Mount For Spectra® Systems (Pelco IWM24-BK).....	447.87	19.31
28 21 31 00-0270 EA Wall Arm Mount For Spectra® Systems (Pelco IDM4018).....	176.18	19.31
28 21 31 00-0271 EA Wall Arm Mount With Feed Through For Stainless Steel Spectra® IV Systems (Pelco IDM4012SS).....	314.68	19.31
28 21 31 00-0272 EA Pole Mount Adapter For Spectra® Systems (Pelco PA402).....	95.90	11.49
<b>28 21 31 00-0273 Camclosure®, Camera Dome Systems</b> (28 21 31 00-0142)		
<b>28 21 31 00-0274 Camclosure® IS Integrated, Camera Dome Systems</b> (28 21 31 00-0273)		
<b>28 21 31 00-0275 Camclosure® IS Integrated, Camera Dome Systems</b> (28 21 31 00-0274)		
<b>28 21 31 00-0276 High Resolution Color, Camclosure® IS Integrated, Camera Dome Systems</b> (28 21 31 00-0275)		
28 21 31 00-0277 EA 12 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CH12).....	870.30	231.66
28 21 31 00-0278 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-CHV22).....	939.09	231.66
28 21 31 00-0279 EA 12 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS110-CH12).....	1,036.53	231.66
28 21 31 00-0280 EA 12 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS150-CH12).....	1,036.53	231.66
<b>28 21 31 00-0281 Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome Systems</b> (28 21 31 00-0275)		
28 21 31 00-0282 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS90B-CWV22).....	1,049.14	231.66
28 21 31 00-0283 EA 9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-CWV22).....	1,138.56	231.66
28 21 31 00-0284 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-CWV22).....	1,138.56	231.66
<b>28 21 31 00-0285 Day/Night, Camclosure® IS Integrated, Camera Dome Systems</b> (28 21 31 00-0275)		
28 21 31 00-0286 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, White Camera Dome System (Pelco IS90-DNV22).....	1,193.59	231.66
28 21 31 00-0287 EA 9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS111-DNV22).....	1,414.84	231.66
28 21 31 00-0288 EA 9-22 mm, Environmental In-Ceiling Mount, Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DNV22).....	1,414.84	231.66
<b>28 21 31 00-0289 Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome Systems</b> (28 21 31 00-0275)		
28 21 31 00-0290 EA 9-22 mm, Indoor Surface/In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS90-DWV22).....	1,299.06	231.66
28 21 31 00-0291 EA 9-22 mm, Environmental In-Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Camera Dome System (Pelco IS151-DWV22).....	1,441.21	231.66
<b>28 21 31 00-0292 Camclosure® IS Integrated, Bullet Style Camera Systems</b> (28 21 31 00-0274)		
<b>28 21 31 00-0293 High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera Systems</b> (28 21 31 00-0292)		
28 21 31 00-0294 EA 3.6 mm, Wall/Ceiling Mount, High Resolution Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CH3.6).....	932.53	154.44
<b>28 21 31 00-0295 Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera Systems</b> (28 21 31 00-0292)		
28 21 31 00-0296 EA 9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Color, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-CWV22).....	1,062.07	154.44

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0297		<b>Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems</b> (28 21 31 00-0292)			
28 21 31 00-0298	EA	9-22 mm, Wall/Ceiling Mount, Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DNV22).....	1,165.25		154.44
28 21 31 00-0299		<b>Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera Systems</b> (28 21 31 00-0292)			
28 21 31 00-0300	EA	9-22 mm, Wall/Ceiling Mount, Wide Dynamic Range Day/Night, Camclosure® IS Integrated, Bullet Style Camera System (Pelco IS310-DWV22).....	1,216.84		154.44
28 21 31 00-0301		<b>Camclosure® IS Integrated Cameras</b> (28 21 31 00-0274)			
28 21 31 00-0302	EA	12 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CH12).....	668.86		154.44
28 21 31 00-0303	EA	9-22 mm, High Resolution Color, Camclosure® IS Integrated Camera (Pelco IS-CHV22).....	668.86		154.44
28 21 31 00-0304	EA	9-22 mm, Wide Dynamic Range Color, Camclosure® IS Integrated Camera (Pelco IS-CWV22).....	770.89		154.44
28 21 31 00-0305	EA	9-22 mm, Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DNV22).....	1,047.17		154.44
28 21 31 00-0306	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® IS Integrated Camera (Pelco IS-DWV22).....	1,073.54		154.44
28 21 31 00-0307		<b>Camclosure® ICS Integrated, Camera Dome Systems</b> (28 21 31 00-0273)			
28 21 31 00-0308		<b>Camclosure® ICS Integrated, Camera Dome Systems</b> (28 21 31 00-0307)			
28 21 31 00-0309		<b>Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems</b> (28 21 31 00-0308)			
28 21 31 00-0310	EA	12 mm, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12).....	756.81		231.66
28 21 31 00-0311	EA	12 mm, UTP, Indoor Surface/In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS090B-CA12T).....	806.10		231.66
28 21 31 00-0312	EA	12 mm, Environmental Surface Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS110-CA12).....	1,003.28		231.66
28 21 31 00-0313	EA	12 mm, Environmental In-Ceiling Mount, Standard Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS150-CA12).....	1,003.28		231.66
28 21 31 00-0314		<b>High Resolution Color, Camclosure® ICS Integrated, Camera Dome Systems</b> (28 21 31 00-0308)			
28 21 31 00-0315	EA	3-9 mm, Environmental In-Ceiling Mount, High Resolution Color, Camclosure® ICS Integrated, Camera Dome System (Pelco ICS151-CDV39A).....	1,224.54		231.66
28 21 31 00-0316		<b>Camclosure® ICS Integrated, Bullet Style Camera Systems</b> (28 21 31 00-0307)			
28 21 31 00-0317		<b>Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera Systems</b> (28 21 31 00-0316)			
28 21 31 00-0318	EA	12 mm, Wall/Ceiling Mount, Standard Resolution, Camclosure® ICS Integrated, Bullet Style Camera System (Pelco ICS310-CA12).....	848.84		154.44
28 21 31 00-0319		<b>Camclosure® ICS Integrated, Wedge Style Camera Systems</b> (28 21 31 00-0307)			
28 21 31 00-0320		<b>High Resolution Color, Camclosure® ICS Integrated, Wedge Style Camera Systems</b> (28 21 31 00-0319)			
28 21 31 00-0321	EA	9-22 mm, High Resolution, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CHV22).....	1,138.56		231.66
28 21 31 00-0322		<b>Wide Dynamic Range Color, Camclosure® ICS Integrated, Wedge Style Camera Systems</b> (28 21 31 00-0319)			
28 21 31 00-0323	EA	9-22 mm, Wide Dynamic Range, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-CWV22).....	1,241.74		231.66
28 21 31 00-0324		<b>Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems</b> (28 21 31 00-0319)			
28 21 31 00-0325	EA	9-22 mm, Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DNV22).....	1,371.28		231.66
28 21 31 00-0326		<b>Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera Systems</b> (28 21 31 00-0319)			
28 21 31 00-0327	EA	9-22 mm, Wide Dynamic Range Day/Night, Camclosure® ICS Integrated, Wedge Style Camera System (Pelco IS210-DWV22).....	1,422.87		231.66
28 21 31 00-0328		<b>Camclosure® IP Network, Camera Dome Systems</b> (28 21 31 00-0273)			
28 21 31 00-0329		<b>Camclosure® IP Network, Camera Dome Systems</b> (28 21 31 00-0328)			
28 21 31 00-0330		<b>High Resolution Color, Camclosure® IP Network, Camera Dome Systems</b> (28 21 31 00-0329)			
28 21 31 00-0331	EA	3-9.5 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV9).....	1,991.48		231.66
28 21 31 00-0332	EA	9-22 mm, Environmental Surface Mount, High Resolution Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CHV22).....	1,991.48		231.66

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0333			<b>Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0329)</small>		
28 21 31 00-0334	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV9) .....	2,133.63	231.66
28 21 31 00-0335	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Color, Camclosure® IP Network, Camera Dome System (Pelco IP111-CWV22) .....	2,133.63	231.66
28 21 31 00-0336			<b>Day/Night, Camclosure® IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0329)</small>		
28 21 31 00-0337	EA		3-9.5 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV9) .....	2,352.60	231.66
28 21 31 00-0338	EA		9-22 mm, Environmental Surface Mount, Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP111-DNV22) .....	2,352.60	231.66
28 21 31 00-0339			<b>Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome Systems</b> <small>(28 21 31 00-0329)</small>		
28 21 31 00-0340	EA		3-9.5 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV9) .....	2,507.36	231.66
28 21 31 00-0341	EA		9-22 mm, Environmental Surface Mount, Wide Dynamic Range Day/Night, Camclosure® IP Network, Camera Dome System (Pelco IP110-DWV22) .....	2,507.36	231.66
28 21 31 00-0342			<b>Accessories For Camclosure® Camera Dome Systems</b> <small>(28 21 31 00-0273)</small>		
28 21 31 00-0343	EA		4S Gangbox Adapter Plate For ICS110 Camclosure® Systems (Pelco ICS110-AP) .....	43.80	11.58
28 21 31 00-0344	EA		4S Adapter Plate For ICS310 Camclosure® Systems (Pelco ICS310-AP) .....	43.80	11.58
28 21 31 00-0345	EA		Sun Shield For ICS310 Camclosure® Systems (Pelco ICS310-SS) .....	59.25	19.31
28 21 31 00-0346	EA		Conduit Adapter For ICS310 Camclosure® Systems (Pelco ICS310-COND) .....	91.34	19.31
28 21 31 00-0347	EA		2' x 2' Ceiling Panel For ICS150 Camclosure® Systems (Pelco ICS150-P) .....	91.94	11.58
28 21 31 00-0348	EA		Pendant Mount Adapter For Camclosure® ICS110 Systems (Pelco ICS110-PG) .....	91.34	19.31
28 21 31 00-0349	EA		Corner Mount Adapter For ICS200 Camclosure® Systems (Pelco ICS210-CM) .....	114.27	19.31
28 21 31 00-0350	EA		Smoked, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO110A) .....	301.91	38.61
28 21 31 00-0351	EA		Clear, Surface Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO111A) .....	301.91	38.61
28 21 31 00-0352	EA		Smoked, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO150A) .....	301.91	38.61
28 21 31 00-0353	EA		Clear, In-Ceiling Mount, Dome For Camclosure® ICS Systems (Pelco ICS-DO151A) .....	301.91	38.61
28 21 31 00-0354	EA		Pendant Mount Adapter For Camclosure® IP Systems (Pelco IP110-P) .....	108.54	19.31
28 21 31 00-0355	EA		Smoked Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP110-LD) .....	128.81	38.61
28 21 31 00-0356	EA		Clear Lower Dome For Surface Mount Camclosure® IP Systems (Pelco IP111-LD) .....	128.81	38.61
28 21 31 00-0357	EA		Smoked Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS110-LD) .....	128.81	38.61
28 21 31 00-0358	EA		Clear Lower Dome For Surface Mount Camclosure® IS Systems (Pelco IS111-LD) .....	128.81	38.61
28 21 31 00-0359	EA		Smoked Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS150-LD) .....	128.81	38.61
28 21 31 00-0360	EA		Clear Lower Dome For Ceiling Mount Camclosure® IS Systems (Pelco IS151-LD) .....	128.81	38.61
28 21 31 00-0361	EA		Ceiling Mount Enclosure Only, Environmental, Camclosure® IS Systems (Pelco IS150-ENC) .....	372.57	52.74
28 21 31 00-0362	EA		Black Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90B-P) .....	78.73	19.31
28 21 31 00-0363	EA		Black Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90B-PW) .....	130.32	19.31
28 21 31 00-0364	EA		White Pendant Mount For Indoor Camclosure® IS Systems (Pelco IS90-P) .....	78.73	19.31
28 21 31 00-0365	EA		White Pendant Wall Mount For Indoor Camclosure® IS Systems (Pelco IS90-PW) .....	130.32	19.31
28 21 31 00-0366	EA		Surface Mount Enclosure Only, Environmental, IP Camclosure® (Pelco IP110-ENC) .....	1,861.94	231.66
28 21 31 00-0367			<b>Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0141)</small>		
28 21 31 00-0368			<b>Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0367)</small>		
			Note: Includes powder coated aluminum pan/tilt enclosure, receiver, camera, lens, built in heater, window defroster/defogger, sun shroud, insulation blanket, 24V power supply and mounting hardware.		
28 21 31 00-0369			<b>EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0368)</small>		
28 21 31 00-0370			<b>Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0369)</small>		
28 21 31 00-0371	EA		10X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10N) .....	5,180.85	347.49
28 21 31 00-0372	EA		20X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20N) .....	5,869.84	347.49
28 21 31 00-0373	EA		30X, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30N) .....	6,824.79	347.49
28 21 31 00-0374	EA		10X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PN) .....	5,328.74	347.49
28 21 31 00-0375	EA		20X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PN) .....	6,048.68	347.49
28 21 31 00-0376	EA		30X, Preset Positioning, Pedestal Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PN) .....	7,003.63	347.49
28 21 31 00-0377			<b>Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera Systems</b> <small>(28 21 31 00-0369)</small>		
28 21 31 00-0378	EA		10X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10W) .....	5,227.86	347.49
28 21 31 00-0379	EA		20X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20W) .....	5,916.84	347.49
28 21 31 00-0380	EA		30X, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30W) .....	6,871.79	347.49
28 21 31 00-0381	EA		10X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ10PW) .....	5,376.89	347.49
28 21 31 00-0382	EA		20X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ20PW) .....	6,095.68	347.49

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0383	EA		30X, Preset Positioning, Wall Mount, EDR, High Resolution Color, Esprit® CBZ, Pan/Tilt Camera System (Pelco ES3012-2CBZ30PW).....	7,050.63	347.49
28 21 31 00-0384			<b>Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0367)		
28 21 31 00-0385			<b>DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0384)		
28 21 31 00-0386			<b>Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0385)		
28 21 31 00-0387	EA		10X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10N).....	5,359.69	347.49
28 21 31 00-0388	EA		20X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20N).....	6,048.68	347.49
28 21 31 00-0389	EA		30X, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30N).....	7,003.63	347.49
28 21 31 00-0390	EA		10X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PN).....	5,507.58	347.49
28 21 31 00-0391	EA		20X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PN).....	6,227.52	347.49
28 21 31 00-0392	EA		30X, Preset Positioning, Pedestal Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PN).....	7,182.47	347.49
28 21 31 00-0393			<b>Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0385)		
28 21 31 00-0394	EA		10X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10W).....	5,406.69	347.49
28 21 31 00-0395	EA		20X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20W).....	6,095.68	347.49
28 21 31 00-0396	EA		30X, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30W).....	7,050.63	347.49
28 21 31 00-0397	EA		10X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ10PW).....	5,555.73	347.49
28 21 31 00-0398	EA		20X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ20PW).....	6,274.52	347.49
28 21 31 00-0399	EA		30X, Preset Positioning, Wall Mount, DSS, High Resolution Color, Esprit® CLZ, Pan/Tilt Camera System (Pelco ES3012-2CLZ30PW).....	7,229.47	347.49
28 21 31 00-0400			<b>Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0367)		
28 21 31 00-0401			<b>High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0400)		
28 21 31 00-0402			<b>Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0401)		
28 21 31 00-0403	EA		6 x 10, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10N).....	5,060.48	347.49
28 21 31 00-0404	EA		5.6 x 20, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20N).....	5,749.47	347.49
28 21 31 00-0405	EA		5.5 x 30, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30N).....	6,704.42	347.49
28 21 31 00-0406	EA		6 x 10, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10PN).....	5,209.51	347.49
28 21 31 00-0407	EA		5.6 x 20, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PN).....	5,928.31	347.49
28 21 31 00-0408	EA		5.5 x 30, Preset Positioning, Preset Positioning, Pedestal Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PN).....	6,883.26	347.49
28 21 31 00-0409			<b>Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0401)		
28 21 31 00-0410	EA		6 x 10, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	5,108.63	347.49
28 21 31 00-0411	EA		5.6 x 20, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20W).....	5,796.47	347.49
28 21 31 00-0412	EA		5.5 x 30, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30W).....	6,752.57	347.49
28 21 31 00-0413	EA		6 x 8, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ8PW).....	5,141.88	347.49
28 21 31 00-0414	EA		6 x 10, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ10W).....	5,256.52	347.49
28 21 31 00-0415	EA		5.6 x 20, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ20PW).....	5,975.31	347.49
28 21 31 00-0416	EA		5.5 x 30, Preset Positioning, Wall Mount, High Resolution Color, Esprit® AJZ, Pan/Tilt Camera System (Pelco ES3012-2AJZ30PW).....	6,931.41	347.49
28 21 31 00-0417			<b>Esprit® AMZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0367)		
28 21 31 00-0418			<b>Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0417)		
28 21 31 00-0419			<b>Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0418)		
28 21 31 00-0420	EA		5.6 x 20, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20N).....	6,034.92	347.49
28 21 31 00-0421	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30N).....	6,989.87	347.49
28 21 31 00-0422	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PN).....	5,494.97	347.49
28 21 31 00-0423	EA		5.6 x 20, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PN).....	6,213.76	347.49
28 21 31 00-0424	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PN).....	7,168.71	347.49



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0425			<b>Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0418)		
28 21 31 00-0426	EA		6 x 10, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10W) .....	5,394.08	347.49
28 21 31 00-0427	EA		5.6 x 20, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20W) .....	6,081.92	347.49
28 21 31 00-0428	EA		5.5 x 30, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30W) .....	7,038.02	347.49
28 21 31 00-0429	EA		6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ10PW).....	5,541.97	347.49
28 21 31 00-0430	EA		5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ20PW).....	6,260.76	347.49
28 21 31 00-0431	EA		5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® AMZ, Pan/Tilt Camera System (Pelco ES3012-2AMZ30PW).....	7,216.86	347.49
28 21 31 00-0432			<b>Esprit® KWZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0367)		
28 21 31 00-0433			<b>Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0432)		
28 21 31 00-0434			<b>Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0433)		
28 21 31 00-0435	EA		5.5 x 30, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30N) .....	7,142.34	347.49
28 21 31 00-0436	EA		6 x 10, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PN) .....	5,646.29	347.49
28 21 31 00-0437	EA		5.5 x 30, Preset Positioning, Pedestal Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PN) .....	7,321.18	347.49
28 21 31 00-0438			<b>Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera Systems</b> (28 21 31 00-0433)		
28 21 31 00-0439	EA		6 x 10, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10W) .....	5,545.41	347.49
28 21 31 00-0440	EA		5.5 x 30, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30W) .....	7,190.49	347.49
28 21 31 00-0441	EA		6 x 10, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ10PW).....	5,694.44	347.49
28 21 31 00-0442	EA		5.6 x 20, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ20PW).....	6,413.23	347.49
28 21 31 00-0443	EA		5.5 x 30, Preset Positioning, Wall Mount, Day/Night, Esprit® KWZ, Pan/Tilt Camera System (Pelco ES3012-2KWZ30PW).....	7,369.33	347.49
28 21 31 00-0444			<b>Esprit® IOC, Pan/Tilt Camera Systems</b> (28 21 31 00-0367)		
28 21 31 00-0445			<b>Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> (28 21 31 00-0444)		
28 21 31 00-0446			<b>Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> (28 21 31 00-0445)		
28 21 31 00-0447	EA		16X, Pedestal Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2N).....	6,025.75	347.49
28 21 31 00-0448			<b>Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> (28 21 31 00-0445)		
28 21 31 00-0449	EA		16X, Wall Mount, Standard Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC16-2W).....	6,072.75	347.49
28 21 31 00-0450			<b>High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> (28 21 31 00-0444)		
28 21 31 00-0451			<b>Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> (28 21 31 00-0450)		
28 21 31 00-0452	EA		22X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2N).....	7,142.34	347.49
28 21 31 00-0453	EA		24X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2N) .....	6,908.48	347.49
28 21 31 00-0454	EA		35X, Pedestal Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2N) .....	7,842.79	347.49
28 21 31 00-0455			<b>Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera Systems</b> (28 21 31 00-0450)		
28 21 31 00-0456	EA		22X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PC22-2W) .....	7,188.20	347.49
28 21 31 00-0457	EA		24X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW24-2W).....	6,908.48	347.49
28 21 31 00-0458	EA		35X, Wall Mount, High Resolution Color, Esprit® IOC, Pan/Tilt Camera System (Pelco ES30PCBW35-2W).....	7,894.38	347.49
28 21 31 00-0459			<b>Esprit® IOP, Pan/Tilt Camera Systems</b> (28 21 31 00-0367)		
28 21 31 00-0460			<b>High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> (28 21 31 00-0459)		
28 21 31 00-0461			<b>Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> (28 21 31 00-0460)		
28 21 31 00-0462	EA		16X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2N).....	4,651.22	347.49
28 21 31 00-0463	EA		22X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2N).....	5,768.96	347.49
28 21 31 00-0464	EA		24X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2N) .....	5,538.53	347.49
28 21 31 00-0465	EA		35X, Pedestal Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2N).....	6,266.49	347.49
28 21 31 00-0466			<b>Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera Systems</b> (28 21 31 00-0460)		
28 21 31 00-0467	EA		16X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C16-2W).....	4,697.07	347.49
28 21 31 00-0468	EA		22X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30C22-2W).....	5,815.96	347.49
28 21 31 00-0469	EA		24X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW24-2W) .....	5,585.53	347.49
28 21 31 00-0470	EA		35X, Wall Mount, High Resolution Color, Esprit® IOP, Pan/Tilt Camera System (Pelco ES30CBW35-2W).....	6,318.08	347.49

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0471		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0367)			
28 21 31 00-0472		Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0471)			
28 21 31 00-0473		Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)			
28 21 31 00-0474	EA	14.25 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2N)	29,477.65		347.49
28 21 31 00-0475	EA	35 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2N)	31,693.65		347.49
28 21 31 00-0476	EA	50 mm, Pedestal Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2N)	32,437.66		347.49
28 21 31 00-0477		Wall Mount, Esprit® Thermal, Pan/Tilt Camera Systems (28 21 31 00-0472)			
28 21 31 00-0478	EA	14.25 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3014TI-2W)	29,525.80		347.49
28 21 31 00-0479	EA	35 mm, 30 Hertz, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3035TI-2W)	31,740.65		347.49
28 21 31 00-0480	EA	50 mm, Wall Mount, Esprit® Thermal, Pan/Tilt Camera System (Pelco ES3050TI-2W)	32,484.66		347.49
28 21 31 00-0481		Accessories For Esprit® Pan/Tilt Camera Systems (28 21 31 00-0367)			
28 21 31 00-0482	EA	Wiper Blade Replacement For Esprit® Systems (Pelco ES-REPLBLADE)	13.80		3.86
28 21 31 00-0483	EA	Marine Mounting Kit For Esprit® Systems (Pelco ES-MKIT)	78.73		19.31
28 21 31 00-0484	EA	Indoor/Outdoor Wall Mount For Esprit® Systems (Pelco EWM)	120.00		19.31
28 21 31 00-0485	EA	Wall Mount For High Security Enclosures (Pelco HSWM12)	150.96		19.31
28 21 31 00-0486	EA	Ground Isolation Transformer (Pelco GIT100)	452.82		52.74
28 21 31 00-0487	EA	High Security, Indoor Wedge Style Enclosure (Pelco HS2100)	630.09		52.74
28 21 31 00-0488	EA	High Security, Indoor 10" Length Enclosure (Pelco HS3000)	536.51		52.74
28 21 31 00-0489	EA	High Security, Indoor Medium Corner Mount Enclosure (Pelco HS1500)	726.04		52.74
28 21 31 00-0490	EA	High Security, Ceiling Mount, Lexan Window, Aluminum Enclosure (Pelco HS8080)	421.87		52.74
28 21 31 00-0491	EA	High Security, Ceiling Mount, Lexan Window, Steel Enclosure (Pelco HS8134)	1,025.68		52.74
28 21 31 00-0492	EA	Bullet-Resistant, Outdoor Enclosure (Pelco HS4514)	1,615.27		52.74
28 21 31 00-0493	EA	Bullet-Resistant, Outdoor Enclosure With Mount (Pelco HS4514/MT)	1,914.48		52.74
28 21 31 00-0494	EA	24X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW24)	1,982.12		52.74
28 21 31 00-0495	EA	35X, Color/Black And White, Esprit® Camera Module (Pelco ESIOPCBW35)	2,088.73		52.74
28 21 31 00-0496	EA	24 Volt AC, Esprit® Pan Tilt Enclosure Receiver (Pelco ES3012-2)	2,567.63		52.74
28 21 31 00-0497	EA	24 Volt AC, Pedestal Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2N)	2,597.69		52.74
28 21 31 00-0498	EA	24 Volt AC, Wall Mount, Esprit® Pan/Tilt Enclosure Receiver (Pelco ES3012-2W)	2,626.55		52.74
28 21 31 00-0499	EA	30X, 24 Volt AC, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30)	6,485.18		52.74
28 21 31 00-0500	EA	30X, 24 Volt AC, Preset Positioning, DSS, Color High Resolution, Esprit® CLZ Pan/Tilt Camera System (Pelco ES3012-2CLZ30P)	6,664.02		52.74
28 21 31 00-0501	EA	Esprit® Camera Pole Mount Adapter (Pelco EPM)	124.59		12.42
28 21 31 00-0502	EA	Pole Mount Adapter For Esprit® Systems (Pelco EPM)	124.59		12.42
28 21 31 00-0503		Camera Lenses (28 21 31 00-0002)			
28 21 31 00-0504		Fixed Focus Camera Lenses (28 21 31 00-0503)			
		Note: 1/3" format and manual focus.			
28 21 31 00-0505		Manual Iris, Fixed Focus Camera Lenses (28 21 31 00-0504)			
28 21 31 00-0506	EA	2.3 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.3)	196.30		18.12
28 21 31 00-0507	EA	2.8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA2.8)	164.20		18.12
28 21 31 00-0508	EA	4 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA4)	148.15		18.12
28 21 31 00-0509	EA	8 mm, Manual Iris, Fixed Focus Camera Lens (Pelco 13FA8)	144.71		18.12
28 21 31 00-0510		Direct Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504)			
		Note: Includes spot filter. Excludes amplifier.			
28 21 31 00-0511	EA	2.3 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.3)	243.30		18.12
28 21 31 00-0512	EA	2.8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD2.8)	196.30		18.12
28 21 31 00-0513	EA	4 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD4)	184.84		18.12
28 21 31 00-0514	EA	8 mm, Direct Drive Auto Iris, Fixed Focus Camera Lens (Pelco 13FD8)	134.40		18.12
28 21 31 00-0515		Video Drive Auto Iris, Fixed Focus Camera Lenses (28 21 31 00-0504)			
		Note: Includes LDC100 adapter to convert DC auto iris to video drive.			
28 21 31 00-0516	EA	2.3 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.3S)	285.72		18.12
28 21 31 00-0517	EA	2.8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV2.8S)	237.57		18.12
28 21 31 00-0518	EA	4 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV4S)	226.11		18.12
28 21 31 00-0519	EA	8 mm, Video Drive Auto Iris, Fixed Focus Camera Lenses (Pelco 13FV8S)	216.94		18.12
28 21 31 00-0520		Varifocal Camera Lenses (28 21 31 00-0503)			
		Note: 1/3" format and manual focus and zoom.			
28 21 31 00-0521		Manual Iris, Varifocal Camera Lenses (28 21 31 00-0520)			
28 21 31 00-0522	EA	1.6-3.4 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA1-3)	261.03		18.12
28 21 31 00-0523	EA	2.5-6 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.5-6)	228.40		18.12
28 21 31 00-0524	EA	2.8-12 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA2.8-12)	179.11		18.12
28 21 31 00-0525	EA	3-8 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA3-8)	158.47		18.12
28 21 31 00-0526	EA	5.5-82.5 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5.5-82.5)	400.36		18.12
28 21 31 00-0527	EA	5-40 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-40)	205.48		18.12
28 21 31 00-0528	EA	5-50 mm, Manual Iris, Varifocal Camera Lens (Pelco 13VA5-50)	218.10		18.12
28 21 31 00-0529		Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520)			
		Note: Includes spot filter.			
28 21 31 00-0530	EA	1.6-3.4 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD1-3)	256.82		18.12
28 21 31 00-0531	EA	2.5-6 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.5-6)	228.20		18.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0532	EA		2.8-12 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD2.8-12).....	177.70	18.12
28 21 31 00-0533	EA		3-8 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD3-8).....	135.62	18.12
28 21 31 00-0534	EA		5.5-82.5 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5.5-82.5).....	435.90	18.12
28 21 31 00-0535	EA		5-50 mm, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VD5-50).....	254.29	18.12
<b>28 21 31 00-0536</b>			<b>Video Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520)</b>		
			Note: Includes spot filter.		
28 21 31 00-0537	EA		1.6-3.4 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV1-3S).....	383.16	18.12
28 21 31 00-0538	EA		2.5-6 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV2.5-6S).....	340.75	18.12
28 21 31 00-0539	EA		3-8 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV3-8S).....	207.77	18.12
28 21 31 00-0540	EA		5-50 mm, Video Drive Auto Iris, Varifocal Camera Lens (Pelco 13VV5-50S).....	378.58	18.12
<b>28 21 31 00-0541</b>			<b>Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lenses (28 21 31 00-0520)</b>		
28 21 31 00-0542	EA		3-8.5 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR3-8.5).....	154.97	18.12
28 21 31 00-0543	EA		7.5-50 mm, Infrared Corrected, Direct Drive Auto Iris, Varifocal Camera Lens (Pelco 13VDIR7.5-50).....	226.52	18.12
<b>28 21 31 00-0544</b>			<b>Motorized Zoom Camera Lenses (28 21 31 00-0503)</b>		
			Note: 1/3" format.		
<b>28 21 31 00-0545</b>			<b>Manual Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544)</b>		
28 21 31 00-0546	EA		8X Zoom, 6-48 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X8).....	689.25	18.12
28 21 31 00-0547	EA		10X Zoom, 6-60 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X10).....	858.92	18.12
28 21 31 00-0548	EA		15X Zoom, 6-90 mm, Manual Iris, Motorized Zoom Camera Lens (Pelco 13ZM6X15).....	915.09	18.12
<b>28 21 31 00-0549</b>			<b>Direct Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544)</b>		
			Note: Includes spot filter.		
28 21 31 00-0550	EA		6X Zoom, 6-48 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X8).....	580.86	18.12
28 21 31 00-0551	EA		10X Zoom, 6-60 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X10).....	669.24	18.12
28 21 31 00-0552	EA		15X Zoom, 6-90 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD6X15).....	1,010.25	18.12
28 21 31 00-0553	EA		20X Zoom, 5.6-112 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.6X20).....	1,138.90	18.12
28 21 31 00-0554	EA		30X Zoom, 5.5-165 mm, Direct Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZD5.5X30).....	2,247.39	18.12
<b>28 21 31 00-0555</b>			<b>Video Drive Auto Iris, Motorized Zoom Camera Lenses (28 21 31 00-0544)</b>		
			Note: Includes spot filter.		
28 21 31 00-0556	EA		8X Zoom, 6-48 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X8S).....	706.45	18.12
28 21 31 00-0557	EA		10X Zoom, 6-60 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X10S).....	839.43	18.12
28 21 31 00-0558	EA		15X Zoom, 6-90 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV6X15S).....	1,052.66	18.12
28 21 31 00-0559	EA		20X Zoom, 5.6-112 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.6X20S).....	1,528.42	18.12
28 21 31 00-0560	EA		30X Zoom, 5.5-165 mm, Video Drive Auto Iris, Motorized Zoom Camera Lens (Pelco 13ZV5.5X30S).....	2,483.37	18.12
<b>28 21 31 00-0561</b>			<b>Camera Power Supplies (28 21 31 00-0002)</b>		
28 21 31 00-0562	EA		20 VA, 24 Volt AC, Camera Power Transformer (Pelco TF2000).....	51.53	15.44
28 21 31 00-0563	EA		50 VA, 24 Volt AC, Camera Power Transformer (Pelco TF9000).....	85.92	15.44
28 21 31 00-0564	EA		2 Amperes, 4 Outputs, Camera Power Supply (Pelco MCS4-2).....	335.33	30.89
28 21 31 00-0565	EA		5 Amperes, 8 Outputs, Camera Power Supply (Pelco MCS8-5).....	391.47	46.33
28 21 31 00-0566	EA		10 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-10).....	445.07	61.78
			<i>For Switchable Outputs, Add</i>	192.91	
28 21 31 00-0567	EA		20 Amperes, 16 Outputs, Camera Power Supply (Pelco MCS16-20).....	501.21	77.22
			<i>For Switchable Outputs, Add</i>	208.06	
<b>28 21 31 00-0568</b>			<b>Camera Illuminators (28 21 31 00-0002)</b>		
<b>28 21 31 00-0569</b>			<b>Camera Illuminators (28 21 31 00-0568)</b>		
			Note: Includes lamp and mounting bracket.		
28 21 31 00-0570	EA		Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27MF).....	1,818.06	30.89
28 21 31 00-0571	EA		Infrared Narrow Spot Lamp, Low Light Level Camera Illuminator (Pelco LL27NS).....	1,818.06	30.89
28 21 31 00-0572	EA		Flood Lamp, Low Light Level Camera Illuminator (Pelco LL27WF).....	1,818.06	30.89
<b>28 21 31 00-0573</b>			<b>Camera Illuminator Accessories (28 21 31 00-0568)</b>		
28 21 31 00-0574	EA		Removal And Replacement Of Lamp For Low Light Level Camera Illuminator (Pelco PAR56).....	159.22	30.89
<b>28 21 31 00-0575</b>			<b>Camera Receivers (28 21 31 00-0002)</b>		
28 21 31 00-0576	EA		24 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9024RX-PP).....	1,784.94	52.74
28 21 31 00-0577	EA		120 Volt AC, Coaxitron® Outdoor Camera Receiver With Preset Positioning (Pelco CX9115RX-PP).....	1,784.94	52.74
<b>28 21 31 00-0578</b>			<b>Pan And Tilt Drives (28 21 31 00-0002)</b>		
28 21 31 00-0579	EA		15 LB Load, 24 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT270-24P).....	1,278.32	115.83
28 21 31 00-0580	EA		40 LB Load, 24/120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT570-24P).....	1,613.07	115.83
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0581	EA		100 LB Load, 120 Volt AC, Outdoor Pan And Tilt Drive (Pelco PT1250P).....	3,369.36	115.83
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0582	EA		100 LB Load, 120 Volt DC, Outdoor Pan And Tilt Drive (Pelco PT1250DC).....	3,845.11	115.83
			<i>For Preset Positioning, Add</i>	165.00	
28 21 31 00-0583	EA		100 LB Load, 120 Volt DC, 360 Degree Outdoor Pan And Tilt Drive (Pelco PT1280SL).....	4,443.53	115.83
			<i>For Preset Positioning, Add</i>	165.00	

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0584	EA		100 LB Load, 120 Volt DC, Explosion Proof Outdoor Pan And Tilt Drive (Pelco PT1260EX)..... <i>For Preset Positioning, Add</i>	5,716.04 165.00	115.83
<b>28 21 31 00-0585</b>			<b>Scanners</b> (28 21 31 00-0002)		
28 21 31 00-0586	EA		35 LB Load, 24 Volt AC, Indoor/Outdoor Scanner (Pelco PS20-24)..... <i>For Wall Mount, Add</i>	1,453.72 39.05	115.83
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
28 21 31 00-0587	EA		35 LB Load, 120 Volt AC, Indoor/Outdoor Scanner (Pelco PS20)..... <i>For Wall Mount, Add</i>	1,525.95 39.05	115.83
			<i>For Pressure Sensor Alarm, Add</i>	51.15	
<b>28 21 31 00-0588</b>			<b>Camera Monitors</b> (28 21 31 00-0001)		
<b>28 21 31 00-0589</b>			<b>Camera Monitors</b> (28 21 31 00-0588)		
<b>28 21 31 00-0590</b>			<b>Monochrome Camera Monitors</b> (28 21 31 00-0589)		
28 21 31 00-0591	EA		9" Monochrome Camera Monitor (Pelco PMM9A).....	283.63	23.16
28 21 31 00-0592	EA		12" Monochrome Camera Monitor (Pelco PMM12A).....	323.76	23.16
28 21 31 00-0593	EA		15" Monochrome Camera Monitor (Pelco PMM15A).....	493.43	23.16
28 21 31 00-0594	EA		20" Monochrome Camera Monitor (Pelco PMM20A).....	790.34	23.16
<b>28 21 31 00-0595</b>			<b>Color Camera Monitors</b> (28 21 31 00-0589)		
28 21 31 00-0596	EA		9", High Resolution Color, Camera Monitor (Pelco PMC9A).....	891.23	23.16
28 21 31 00-0597	EA		15", High Resolution Color, Camera Monitor (Pelco PMCS15A).....	723.85	23.16
28 21 31 00-0598	EA		17", High Resolution Color, Camera Monitor (Pelco PMCS17A).....	1,049.43	23.16
28 21 31 00-0599	EA		19", High Resolution Color, Camera Monitor (Pelco PMCS19A).....	1,393.35	23.16
<b>28 21 31 00-0600</b>			<b>LCD Camera Monitors</b> (28 21 31 00-0588)		
<b>28 21 31 00-0601</b>			<b>VGA Signal, Color LCD Camera Monitors (Pelco 200 Series)</b> (28 21 31 00-0600)		
			Note: Displays VGA computer signals.		
28 21 31 00-0602	EA		17", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL217).....	1,007.01	23.16
28 21 31 00-0603	EA		19", VGA Signal, High Resolution Color, LCD Camera Monitor (Pelco PMCL219).....	1,309.66	23.16
<b>28 21 31 00-0604</b>			<b>Multimode, Color LCD Camera Monitors (Pelco 300 Series)</b> (28 21 31 00-0600)		
			Note: Displays VGA computer signals and/or composite video signals.		
28 21 31 00-0605	EA		15", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL315).....	1,144.58	23.16
28 21 31 00-0606	EA		17", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL317).....	1,369.28	23.16
28 21 31 00-0607	EA		19", Multimode, High Resolution Color, LCD Camera Monitor (Pelco PMCL319).....	1,683.39	23.16
<b>28 21 31 00-0608</b>			<b>Multimode With PIP, Color LCD Camera Monitors (Pelco 400 Series)</b> (28 21 31 00-0600)		
			Note: Displays VGA computer signals and/or composite video signals. Includes picture in picture option.		
28 21 31 00-0609	EA		15", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL415).....	1,467.87	23.16
28 21 31 00-0610	EA		17", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL417).....	1,701.73	23.16
28 21 31 00-0611	EA		19", Multimode With PIP, High Resolution Color, LCD Camera Monitor (Pelco PMCL419).....	2,133.92	23.16
<b>28 21 31 00-0612</b>			<b>Camera Monitor Mounting Accessories</b> (28 21 31 00-0588)		
<b>28 21 31 00-0613</b>			<b>Camera Monitor Mounts</b> (28 21 31 00-0612)		
28 21 31 00-0614	EA		Up To 14", Camera Monitor Mount (Pelco).....	348.38	30.89
28 21 31 00-0615	EA		>14" To 17", Camera Monitor Mount (Pelco).....	404.55	30.89
28 21 31 00-0616	EA		>17" To 21", Camera Monitor Mount (Pelco).....	473.34	30.89
<b>28 21 31 00-0617</b>			<b>Camera Monitor Rack Mount Kits</b> (28 21 31 00-0612)		
28 21 31 00-0618	EA		Camera Monitor Rack Mount Kit (Pelco PMCL-RM).....	214.25	30.89
<b>28 21 31 00-0619</b>			<b>Video Transmission Equipment</b> (28 21 31 00-0001)		
<b>28 21 31 00-0620</b>			<b>UTP Cable, Video Transmission Equipment</b> (28 21 31 00-0619)		
<b>28 21 31 00-0621</b>			<b>UTP Cable, Active Video Receivers</b> (28 21 31 00-0620)		
28 21 31 00-0622	EA		Single Channel, UTP Cable, Active Video Receiver (Pelco TW3001AR).....	438.34	38.61
28 21 31 00-0623	EA		Four Channel, UTP Cable, Active Video Receiver (Pelco TW3004AR).....	1,485.00	38.61
28 21 31 00-0624	EA		Eight Channel, 4 Outputs, UTP Cable, Active Video Receiver (Pelco TW3008AR-4-US).....	2,912.27	38.61
28 21 31 00-0625	EA		Sixteen Channel, UTP Cable, Active Video Receiver (Pelco TW3016AR1-US).....	4,777.46	38.61
28 21 31 00-0626	EA		Sixteen Channel, 2 Outputs, UTP Cable, Active Video Receiver (Pelco TW3016AR-2-US).....	5,576.50	38.61
<b>28 21 31 00-0627</b>			<b>UTP Cable, Passive Video Transceivers</b> (28 21 31 00-0620)		
28 21 31 00-0628	EA		Single Channel, UTP Cable, Passive Video Transceiver (Pelco TW3001P).....	135.69	38.61
28 21 31 00-0629	EA		Four Channel, UTP Cable, Passive Video Transceiver (Pelco TW3004P).....	438.34	38.61
28 21 31 00-0630	EA		Eight Channel, UTP Cable, Passive Video Transceiver (Pelco TW3008P).....	800.60	38.61
28 21 31 00-0631	EA		Sixteen Channel, UTP Cable, Passive Video Transceiver (Pelco TW3016P).....	1,513.66	38.61
28 21 31 00-0632	EA		Thirty Two Channel, UTP Cable, Passive Video Transceiver (Pelco TW3032P).....	2,951.24	38.61

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 21 31 00-0633			<b>UTP Cable, Active Video Transmitters</b> (28 21 31 00-0620)		
28 21 31 00-0634	EA		Single Channel, UTP Cable, Active Video Transmitter (Pelco TW3001AT).....	457.82	38.61
28 21 31 00-0635			<b>Fiber Optics, Video Transmission Equipment</b> (28 21 31 00-0619)		
28 21 31 00-0636			<b>Data Only, Fiber Optics Transmission Equipment</b> (28 21 31 00-0635)		
28 21 31 00-0637			<b>Bidirectional Data, Fiber Optics Transmitters</b> (28 21 31 00-0636)		
28 21 31 00-0638	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AS).....	2,616.91	77.22
28 21 31 00-0639	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8101AM).....	1,083.02	77.22
28 21 31 00-0640	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104S).....	1,918.75	77.22
28 21 31 00-0641	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Transmitter (Pelco FT8104M).....	1,330.65	77.22
28 21 31 00-0642			<b>Bidirectional Data, Fiber Optics Receivers</b> (28 21 31 00-0636)		
28 21 31 00-0643	EA		Single-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AS).....	2,616.91	77.22
28 21 31 00-0644	EA		Single-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8101AM).....	1,083.02	77.22
28 21 31 00-0645	EA		Four-Channel, Single Mode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104S).....	1,918.75	77.22
28 21 31 00-0646	EA		Four-Channel, Multimode, Bidirectional Data, Fiber Optics Receiver (Pelco FR8104M).....	1,330.65	77.22
28 21 31 00-0647			<b>Video Only, Fiber Optics Transmission Equipment</b> (28 21 31 00-0635)		
28 21 31 00-0648			<b>Digitally Encoded Video, Fiber Optics Transmitters</b> (28 21 31 00-0647)		
28 21 31 00-0649	EA		Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AS).....	1,174.74	77.22
28 21 31 00-0650	EA		Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8301AM).....	525.87	77.22
28 21 31 00-0651	EA		Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304S).....	3,214.18	77.22
28 21 31 00-0652	EA		Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8304M).....	1,941.68	77.22
28 21 31 00-0653	EA		Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308S).....	5,250.19	77.22
28 21 31 00-0654	EA		Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8308M).....	4,369.75	77.22
28 21 31 00-0655	EA		Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316S).....	12,999.85	77.22
28 21 31 00-0656	EA		Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Transmitter (Pelco FT8316M).....	11,572.58	77.22
28 21 31 00-0657			<b>Digitally Encoded Video, Fiber Optics Receivers</b> (28 21 31 00-0647)		
28 21 31 00-0658	EA		Single-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AS).....	1,174.74	77.22
28 21 31 00-0659	EA		Single-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8301AM).....	525.87	77.22
28 21 31 00-0660	EA		Two-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AS).....	1,988.68	77.22
28 21 31 00-0661	EA		Two-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8302AM).....	820.50	77.22
28 21 31 00-0662	EA		Four-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304S).....	3,214.18	77.22
28 21 31 00-0663	EA		Four-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8304M).....	1,941.68	77.22
28 21 31 00-0664	EA		Eight-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308S).....	5,250.19	77.22
28 21 31 00-0665	EA		Eight-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8308M).....	4,369.75	77.22
28 21 31 00-0666	EA		Sixteen-Channel, Single Mode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316S).....	12,999.85	77.22
28 21 31 00-0667	EA		Sixteen-Channel, Multimode, Digitally Encoded Video, Fiber Optics Receiver (Pelco FR8316M).....	11,572.58	77.22
28 21 31 00-0668			<b>Video And Data, Fiber Optics Transmission Equipment</b> (28 21 31 00-0635)		
28 21 31 00-0669			<b>Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitters</b> (28 21 31 00-0668)		
28 21 31 00-0670	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AS).....	2,008.17	77.22
28 21 31 00-0671	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85011AM).....	1,206.84	77.22
28 21 31 00-0672	EA		Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041S).....	4,643.74	77.22
28 21 31 00-0673	EA		Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85041M).....	4,023.54	77.22
28 21 31 00-0674	EA		Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081S).....	7,501.72	77.22
28 21 31 00-0675	EA		Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Transmitter (Pelco FT85081M).....	5,445.08	77.22
28 21 31 00-0676			<b>Digitally Encoded Video With Bidirectional Data, Fiber Optics Receivers</b> (28 21 31 00-0668)		
28 21 31 00-0677	EA		Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AS).....	2,008.17	77.22
28 21 31 00-0678	EA		Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85011AM).....	1,206.84	77.22
28 21 31 00-0679	EA		Four-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041S).....	4,643.74	77.22
28 21 31 00-0680	EA		Four-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85041M).....	4,023.54	77.22
28 21 31 00-0681	EA		Eight-Channel, Single Mode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081S).....	7,501.72	77.22
28 21 31 00-0682	EA		Eight-Channel, Multimode, Digitally Encoded Video With Bidirectional Data, Fiber Optics Receiver (Pelco FR85081M).....	5,445.08	77.22
28 21 31 00-0683			<b>Video, Audio And Data, Fiber Optics Transmission Equipment</b> (28 21 31 00-0635)		
28 21 31 00-0684			<b>Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitters</b> (28 21 31 00-0683)		



**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 21 31 00-0685	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011S)	2,580.22		77.22
28 21 31 00-0686	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Transmitter (Pelco FT86011M)	2,057.46		77.22
<b>28 21 31 00-0687</b>		<b>Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receivers (28 21 31 00-0683)</b>			
28 21 31 00-0688	EA	Single-Channel, Single Mode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011S)	2,580.22		77.22
28 21 31 00-0689	EA	Single-Channel, Multimode, Digitally Encoded Video With Bidirectional Audio, Data And Contact Closure, Fiber Optics Receiver (Pelco FR86011M)	2,057.46		77.22
<b>28 21 31 00-0690</b>		<b>Video Amplifiers (28 21 31 00-0619)</b>			
<b>28 21 31 00-0691</b>		<b>Video Distribution Amplifiers (28 21 31 00-0690)</b>			
28 21 31 00-0692	EA	1 Input, 4 Outputs, Video Distribution Amplifier (Pelco DA104DT)	321.77		19.31
28 21 31 00-0693	EA	16 Channel, Master, Video Distribution Amplifier (Pelco CM9760-MDA)	2,573.30		19.31
		Note: Inserts time-date and title on up to 16 video inputs.			
<b>28 21 31 00-0694</b>		<b>Video Equalizing Amplifiers (28 21 31 00-0690)</b>			
28 21 31 00-0695	EA	Video Equalizing Amplifier (Pelco EA2010)	349.28		19.31
28 21 31 00-0696	EA	Half-Duplex, Video Equalizing Amplifier (Pelco EA2000)	545.32		19.31
<b>28 21 31 00-0697</b>		<b>Network Video Equipment (28 21 31 00-0001)</b>			
<b>28 21 31 00-0698</b>		<b>Video Encoders/Decoders (28 21 31 00-0697)</b>			
28 21 31 00-0699	EA	MPEG4 IP Video Receiver (Pelco NET300R)	1,296.25		38.61
28 21 31 00-0700	EA	MPEG4 IP Video Transmitter (Pelco NET300T)	1,296.25		38.61
28 21 31 00-0701	EA	MPEG4 IP Video Receiver With Audio (Pelco NET350R)	1,488.85		38.61
28 21 31 00-0702	EA	MPEG4 IP Video Transmitter With Audio And Local Storage (Pelco NET350T)	1,488.85		38.61
<b>28 21 31 00-0703</b>		<b>Network Video Recorders (28 21 31 00-0697)</b>			
28 21 31 00-0704	EA	16 Device Or 100MBPS, Network Video Recorder (Pelco NVR316)	8,094.41		77.22
28 21 31 00-0705	EA	32 Device Or 100MBPS, Network Video Recorder (Pelco NVR332)	9,416.21		77.22
28 21 31 00-0706	EA	64 Device Or 100MBPS, Network Video Recorder (Pelco NVR364)	12,062.10		77.22
28 21 31 00-0707	EA	64 Device Or 100MBPS, PelcoNet Network Video Recorder (Pelco NVR300)	7,994.67		77.22
<b>28 21 31 00-0708</b>		<b>Network Video Recorder Software (28 21 31 00-0697)</b>			
28 21 31 00-0709	EA	10 User, License Pack (Pelco VMX300-LIC-10)	797.89		
28 21 31 00-0710	EA	20 User, License Pack (Pelco VMX300-LIC-20)	1,438.73		
28 21 31 00-0711	EA	50 User, License Pack (Pelco VMX300-LIC-50)	3,195.02		
28 21 31 00-0712	EA	100 User, License Pack (Pelco VMX300-LIC-100)	5,588.70		
28 21 31 00-0713	EA	10 User, Enterprise License Pack (Pelco VMX300-E-LIC10)	1,332.12		
28 21 31 00-0714	EA	20 User, Enterprise License Pack (Pelco VMX300-E-LIC20)	2,395.98		
28 21 31 00-0715	EA	50 User, Enterprise License Pack (Pelco VMX300-E-LIC50)	5,325.03		
28 21 31 00-0716	EA	100 User, Enterprise License Pack (Pelco VMX300-E-LIC100)	9,316.79		
28 21 31 00-0717	EA	200 User, Enterprise License Pack (Pelco VMX300-E-LIC200)	15,970.50		
28 21 31 00-0718	EA	500 User, Enterprise License Pack (Pelco VMX300-E-LIC500)	33,270.82		
28 21 31 00-0719	EA	0 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-0)	7,206.39		
28 21 31 00-0720	EA	1 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-1)	7,650.05		
28 21 31 00-0721	EA	4 Analog Inputs, No Monitors, Video Management Client Software Installed On Pelco Workstation (Pelco VMX300-CL-4)	12,087.76		
28 21 31 00-0722	EA	0 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-0)	8,005.43		
28 21 31 00-0723	EA	1 Analog Input, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-1)	8,449.09		
28 21 31 00-0724	EA	4 Analog Inputs, No Monitors, Video Management Client/Server Software Installed On Pelco Workstation (Pelco VMX300-CSVR-4)	12,884.51		
28 21 31 00-0725	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-0)	7,739.47		
28 21 31 00-0726	EA	1 Analog Input, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-1)	8,184.27		
28 21 31 00-0727	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CL-4)	12,620.84		
28 21 31 00-0728	EA	0 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-0)	9,069.29		
28 21 31 00-0729	EA	1 Analog Input, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-1)	9,512.95		
28 21 31 00-0730	EA	4 Analog Inputs, No Monitors, Enterprise Video Management Client/Server Software Installed On Pelco Enterprise Workstation (Pelco VMX300-E-CSVR-4)	13,950.66		
<b>28 21 31 00-0731</b>		<b>Video Recording Equipment (28 21 31 00-0001)</b>			
<b>28 21 31 00-0732</b>		<b>Digital Video Recorders (28 21 31 00-0731)</b>			
28 21 31 00-0733	EA	8 Channel, 1TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-1000A)	12,662.81		77.22
28 21 31 00-0734	EA	8 Channel, 2 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-2000A)	17,356.17		77.22
28 21 31 00-0735	EA	8 Channel, 3 TB Hard Drive, 8 Channel Audio, Digital Video Recorder With DVD (Pelco DX8108-3000A)	22,050.68		77.22

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0736	EA		16 Channel, 1 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-1000A) .....	15,241.06	77.22
28 21 31 00-0737	EA		16 Channel, 2 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-2000A) .....	19,934.43	77.22
28 21 31 00-0738	EA		16 Channel, 3 TB Hard Drive, 16 Channel Audio, Digital Video Recorder With DVD (Pelco DX8116-3000A) .....	24,628.93	77.22
28 21 31 00-0739	EA		24 Channel, 1 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-1000A) .....	16,659.16	77.22
28 21 31 00-0740	EA		24 Channel, 2 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-2000A) .....	21,352.52	77.22
28 21 31 00-0741	EA		24 Channel, 3 TB Hard Drive, 24 Channel Audio, Digital Video Recorder With DVD (Pelco DX8124-3000A) .....	26,047.03	77.22
28 21 31 00-0742	EA		32 Channel, 1 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-1000A) .....	19,237.41	77.22
28 21 31 00-0743	EA		32 Channel, 2 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-2000A) .....	23,930.78	77.22
28 21 31 00-0744	EA		32 Channel, 3 TB Hard Drive, 32 Channel Audio, Digital Video Recorder With DVD (Pelco DX8132-3000A) .....	28,625.28	77.22
28 21 31 00-0745	EA		16 Channel, 30 IPS, Digital Video Recorder (Pelco DX9116F-1500) .....	13,975.78	77.22
<b>28 21 31 00-0746</b>			<b>Digital Video Recorder Accessories (28 21 31 00-0731)</b>		
28 21 31 00-0747	EA		16 Channel, Multiplexed Analog Output Display Card (Pelco DX8000-MUX16) .....	1,254.98	38.61
<b>28 21 31 00-0748</b>			<b>Matrix Systems And Controls (28 21 31 00-0001)</b>		
<b>28 21 31 00-0749</b>			<b>Video Multiplexers (28 21 31 00-0748)</b>		
<b>28 21 31 00-0750</b>			<b>Monochrome Duplex, Video Multiplexers (28 21 31 00-0749)</b>		
28 21 31 00-0751	EA		9 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4009MD) .....	2,348.65	77.22
28 21 31 00-0752	EA		16 Channel, Monochrome Duplex, Video Multiplexer (Pelco MX4016MD) .....	2,221.40	77.22
<b>28 21 31 00-0753</b>			<b>Color Duplex, Video Multiplexers (28 21 31 00-0749)</b>		
28 21 31 00-0754	EA		4 Channel, Color Duplex, Video Multiplexer (Pelco MX4004CD) .....	1,595.46	77.22
28 21 31 00-0755	EA		9 Channel, Color Duplex, Video Multiplexer (Pelco MX4009CD) .....	3,018.15	77.22
28 21 31 00-0756	EA		16 Channel, Color Duplex, Video Multiplexer (Pelco MX4016CD) .....	3,269.21	77.22
<b>28 21 31 00-0757</b>			<b>Color Simplex, Video Multiplexers (28 21 31 00-0749)</b>		
28 21 31 00-0758	EA		9 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4009CS) .....	2,541.24	77.22
28 21 31 00-0759	EA		16 Channel, Monochrome Simplex, Video Multiplexer (Pelco MX4016CS) .....	2,963.12	77.22
<b>28 21 31 00-0760</b>			<b>Video Multiplexer Accessories (28 21 31 00-0749)</b>		
28 21 31 00-0761	EA		Pushbutton/Joystick Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4000) .....	1,421.53	52.74
28 21 31 00-0762	EA		Pushbutton Desktop Controls For PTZ, Fixed/Variable-Speed, Multiplexer Controller (Pelco KBD4002) .....	850.62	52.74
28 21 31 00-0763	EA		Video Multiplexer Server (Pelco MX4000SVR) .....	2,348.65	77.22
<b>28 21 31 00-0764</b>			<b>Quad Video Processor (28 21 31 00-0748)</b>		
28 21 31 00-0765	EA		Monochrome, Quad Video Processor (Pelco QD104M) .....	731.81	38.61
28 21 31 00-0766	EA		Color, Quad Video Processor (Pelco QD104C) .....	1,190.37	38.61
<b>28 21 31 00-0767</b>			<b>Switcher (28 21 31 00-0748)</b>		
<b>28 21 31 00-0768</b>			<b>Terminating Manual Switchers (28 21 31 00-0767)</b>		
<b>28 21 31 00-0769</b>			<b>Terminating Manual Switchers (28 21 31 00-0768)</b>		
28 21 31 00-0770	EA		4 Inputs, Terminating Manual Switcher (Pelco MS504DT) .....	260.11	30.89
28 21 31 00-0771	EA		8 Inputs, Terminating Manual Switcher (Pelco MS508DT) .....	349.53	30.89
28 21 31 00-0772	EA		12 Inputs, Terminating Manual Switcher (Pelco MS512DT) .....	422.90	30.89
28 21 31 00-0773	EA		18 Inputs, Terminating Manual Switcher (Pelco MS518DT) .....	685.42	30.89
<b>28 21 31 00-0774</b>			<b>Audio Follow, Terminating Manual Switchers (28 21 31 00-0768)</b>		
28 21 31 00-0775	EA		4 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS504AF) .....	333.48	30.89
28 21 31 00-0776	EA		8 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS508AF) .....	579.95	30.89
28 21 31 00-0777	EA		18 Inputs, Audio Follow, Terminating Manual Switcher (Pelco MS518AF) .....	1,005.27	30.89
<b>28 21 31 00-0778</b>			<b>Balanced Audio Follow, Terminating Manual Switchers (28 21 31 00-0768)</b>		
28 21 31 00-0779	EA		4 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS504BAF) .....	442.38	30.89
28 21 31 00-0780	EA		8 Inputs, Balanced Audio Follow, Terminating Manual Switcher (Pelco MS508BAF) .....	802.35	30.89
<b>28 21 31 00-0781</b>			<b>Looping Manual Switchers (28 21 31 00-0767)</b>		
<b>28 21 31 00-0782</b>			<b>Looping Manual Switchers (28 21 31 00-0781)</b>		
28 21 31 00-0783	EA		4 Inputs, Looping Manual Switcher (Pelco MS504LDT) .....	289.91	30.89
28 21 31 00-0784	EA		8 Inputs, Looping Manual Switcher (Pelco MS508LDT) .....	394.24	30.89
28 21 31 00-0785	EA		12 Inputs, Looping Manual Switcher (Pelco MS512LDT) .....	499.70	30.89
28 21 31 00-0786	EA		18 Inputs, Looping Manual Switcher (Pelco MS518LDT) .....	817.26	30.89
<b>28 21 31 00-0787</b>			<b>Audio Follow, Looping Manual Switchers (28 21 31 00-0781)</b>		
28 21 31 00-0788	EA		4 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS504AFL) .....	358.70	30.89
28 21 31 00-0789	EA		8 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS508AFL) .....	618.93	30.89
28 21 31 00-0790	EA		12 Inputs, Audio Follow, Looping Manual Switcher (Pelco MS512AFL) .....	845.92	30.89

**28 Electronic Safety and Security****28 20 Video Surveillance****28 21 Surveillance Cameras**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 21 31 00-0791			<b>Balanced Audio Follow, Looping Manual Switchers</b> (28 21 31 00-0781)		
28 21 31 00-0792	EA		4 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS504BAFL).....	473.34	30.89
28 21 31 00-0793	EA		8 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS508BAFL).....	849.36	30.89
28 21 31 00-0794	EA		12 Inputs, Balanced Audio Follow, Looping Manual Switcher (Pelco MS512BAFL).....	1,066.03	30.89
28 21 31 00-0795			<b>Sequential Switchers</b> (28 21 31 00-0767)		
28 21 31 00-0796			<b>Single Output, Sequential Switchers</b> (28 21 31 00-0795)		
28 21 31 00-0797	EA		4 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6104).....	500.85	30.89
28 21 31 00-0798	EA		8 Inputs, Single Output, Sequential Desktop Switcher (Pelco VA6108).....	741.60	30.89
28 21 31 00-0799			<b>Dual Outputs, Sequential Switchers</b> (28 21 31 00-0795)		
28 21 31 00-0800	EA		4 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6204).....	623.52	30.89
28 21 31 00-0801	EA		8 Inputs, Dual Outputs, Sequential Desktop Switcher (Pelco VA6208).....	859.67	30.89
28 21 31 00-0802			<b>Controls</b> (28 21 31 00-0748)		
28 21 31 00-0803			<b>Direct/Multi-Cable Controls</b> (28 21 31 00-0802)		
28 21 31 00-0804	EA		Scanner Control Module (Pelco MPS524DT).....	447.92	77.22
28 21 31 00-0805	EA		120 Volt AC Pan/Tilt Control Module (Pelco MPT115DT).....	476.58	77.22
28 21 31 00-0806	EA		24 Volt AC Pan/Tilt Control Module (Pelco MPT24DT).....	525.87	77.22
28 21 31 00-0807	EA		Motorized Zoom Lens Control Module (Pelco MLZ6DT).....	548.80	77.22
28 21 31 00-0808	EA		120 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ115DT).....	851.45	77.22
28 21 31 00-0809	EA		24 Volt AC Pan/Tilt, Scanner And Lens Control Module (Pelco MPTAZ24DT).....	935.14	77.22
28 21 31 00-0810			<b>Coaxitron Controls</b> (28 21 31 00-0802)		
28 21 31 00-0811	EA		Desktop Keyboard, Fixed Speed Coaxitron Controller And Transmitter (Pelco KBD9000).....	637.39	52.74
28 21 31 00-0812	EA		8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9000).....	1,177.35	52.74
28 21 31 00-0813	EA		Integral Switcher, 8 Position Joystick Pan/Tilt Controls, Switch Camera Lens Controls, Desktop Coaxitron Controller And Transmitter (Pelco MPT9008).....	1,332.11	52.74
28 21 31 00-0814			<b>Digital Controls</b> (28 21 31 00-0802)		
28 21 31 00-0815	EA		Pushbutton Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD200A).....	844.89	52.74
28 21 31 00-0816	EA		Pushbutton/Joystick Desktop Controls For Pan/Tilt/Zoom, Fixed/Variable-Speed, Digital Controller (Pelco KBD300A).....	1,410.06	52.74
28 21 31 00-0817			<b>Lock Boxes</b> (28 21 31 00-0748)		
28 21 31 00-0818	EA		VCR Lock Box (Pelco LB1000).....	515.92	57.91
			<i>For Wall Mount, Add</i>	165.00	
28 21 31 00-0819	EA		Computer Disk Drive Lock Box (Pelco LB2000).....	527.39	57.91
28 21 31 00-0820	EA		VCR And Multiplexer Lock Box (Pelco LB3000).....	951.56	57.91
			Note: Includes storage for 32 VCR tapes.		
28 21 31 00-0821			<b>Test And Certification Of Surveillance Camera System</b> (28 21 31)		
28 21 31 00-0822	DAY		Test And Certification Of Surveillance Camera System To Tie Into Existing Systems.....	1,224.34	
28 21 31 00-0823	HR		Test And Certification Of Surveillance Camera System.....	382.61	
28 21 31 00-0824			<b>Programming Of Surveillance Camera System</b> (28 21 31)		
28 21 31 00-0825	HR		Programming Of Surveillance Camera System.....	459.13	
28 21 31 00-0826			<b>Removal And Reinstallation Of Cameras</b> (28 21 31)		
			Note: Includes storage, cleaning and supply materials.		
28 21 31 00-0827	EA		Removal And Reinstallation Of Camera System.....	694.99	

**28 40 Life Safety** (26)**28 42 Gas Detection and Alarm** (28 40)**28 42 11 Gas Detection and Alarm Control, GUI, and Logic Systems** (28 42)**28 42 11 00-0001 Monitoring System For Underground Tanks** (28 42 11)**28 42 11 00-0002 Continuous Leak Detection System** (28 42 11 00-0001)

Note: Includes calibration, electronic control module and probes. Excludes sample wells, electrical power supply and sensor cable.

28 42 11 00-0003	EA		Single Channel Underground Tank Monitoring System.....	17,297.31	632.00
28 42 11 00-0004	EA		2 Channel Underground Tank Monitoring System.....	23,351.69	843.17
28 42 11 00-0005	EA		3 Channel Underground Tank Monitoring System.....	33,430.60	903.29
28 42 11 00-0006	EA		4 Channel Underground Tank Monitoring System.....	35,460.44	1,263.99
28 42 11 00-0007	EA		Control Panel, 1-8 Tanks, Single Wall Tank Monitoring System.....	25,969.57	107.90
28 42 11 00-0008	EA		Control Panel, 1-4 Tanks, Double Wall Tank Monitoring System.....	23,420.58	96.34
28 42 11 00-0009	EA		Control Panel, 1-8 Tanks, Double Wall Tank Monitoring System.....	30,822.67	107.90
28 42 11 00-0010	EA		Tank Leak Detection Probe.....	9,554.92	23.12

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 42 11 00-0011	EA		Secondary Containment Collar Probe .....	1,157.72	9.24
28 42 11 00-0012	EA		Interstitial Leak Detection Probe .....	2,118.90	19.27
28 42 11 00-0013	EA		Liquid Phase Detection .....	7,000.50	57.80
28 42 11 00-0014	EA		Hydrocarbon Vapor, Fixed .....	6,455.76	57.80
28 42 11 00-0015	EA		Hydrocarbon Vapor, Float Mounted .....	7,552.51	65.51
28 42 11 00-0016	EA		Liquid And Vapor Hydrocarbon .....	8,641.98	65.51
<b>28 42 15 Gas Detection Sensors (28 42)</b>					
<b>28 42 15 00-0001 Hydrogen Gas Detection (28 42 15)</b>					
28 42 15 00-0002	EA		Hydrogen Gas Detector Sensor, 1% Fan Relay, 2% Alarm (SBS HGDI-DR) .....	2,078.83	57.91
28 42 15 00-0003	EA		Hydrogen Gas Detector Junction Box (SBS HGDI-JB) .....	115.38	19.31
28 42 15 00-0004	EA		Remote Display With 25' Cable For Hydrogen Gas Detector (SBS HGDI-REM) .....	543.52	57.91
<b>28 43 Fuel Oil Detection and Alarm (28 40)</b>					
See CSI section 28 42 00 00-0000 for detection and alarms.					
<b>28 46 Fire Detection and Alarm (28 46)</b>					
<b>28 46 13 Fire-Alarm Systems (28 46)</b>					
<b>28 46 13 31 Proprietary Supervising-Station Fire-Alarm Systems (28 46 13)</b>					
Note: Includes programming of equipment, testing and certification of new devices.					
28 46 13 31-0001			Edwards Fire Alarm (28 46 13 31)		
28 46 13 31-0002			EST3 Life Safety And Security Control (28 46 13 31-0001)		
28 46 13 31-0003			EST3 Network (28 46 13 31-0002)		
28 46 13 31-0004			Remote Annunciators (28 46 13 31-0003)		
28 46 13 31-0005	EA		Remote LCD Command Module Annunciator (EST3 3-LCDANN) .....	1,703.46	115.83
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					
28 46 13 31-0006	EA		Six Position Base Annunciator (EST3 3-6ANN) .....	1,395.57	115.83
Note: Includes door, CPU card, two annunciator support modules and five blank filler plates. Space provided for up to four Control/Display Modules and one 3-LCD Liquid Crystal Display Module.					
28 46 13 31-0007	EA		Ten Position Base Annunciator (EST3 3-10ANN) .....	1,754.59	115.83
Note: Includes door, CPU card, two annunciator support modules and nine blank filler plates. Space provided for up to eight Control/Display Modules and one 3-LCD Liquid Crystal Display Module.					
28 46 13 31-0008	EA		Annunciator CPU (EST3 3-ANNCPU3) .....	1,132.76	115.83
Note: One Required per graphic annunciator.					
28 46 13 31-0009	EA		Annunciator Support Module (EST3 3-ANNSM) .....	214.34	38.61
Note: Takes one space in Annunciator box. Supports one Control/Display module.					
28 46 13 31-0010	EA		Liquid Crystal Display Module (EST3 3-LCD) .....	742.44	115.83
Note: Mounts over 3-CPU(1).					
28 46 13 31-0011	EA		Liquid Crystal Display Module (EST3 3-LCDXL) .....	700.89	115.83
Note: Mounts over 3-ANNCPU plus two spaces.					
28 46 13 31-0012	EA		LED/SWITCH Driver Module Assembly For Third Part Graphics (EST3 3-EVDVRA) .....	832.44	115.83
Note: Assembled version of 3-EVDVR, comes packaged with cables, mounting hardware installation instructions used for third party graphics. Mounts in 3-EVDVRX.					
28 46 13 31-0013	EA		Power Supply Assembly With 19" Rail Mounting Chassis Assembly (EST3 3-EVPWRA) .....	950.44	77.22
Note: Assembled version of 3-EVPWR, comes packaged with cables, mounting hardware and mounting plate for 3-ANNCPU1. Used for third party graphics.					
28 46 13 31-0014	EA		Plastic Mounting Extrusion 19" Mounting (EST3 3-EVDVRX) .....	153.22	38.61
Note: Mounts up to three 3-EVDVRA modules.					
28 46 13 31-0015	EA		Central Processor Unit Module (EST3 3-CPU3) .....	2,010.04	115.83
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					
28 46 13 31-0016	EA		120 Volt AC, 50/60 Hertz, Primary Power Supply With Local Rail Module (EST3 3-CPU3) .....	1,752.13	38.61
Note: Includes LCD display, CPU and doors. Order surface or semi-flush mount wallbox separately.					
28 46 13 31-0017			Remote Annunciators Cabinets (28 46 13 31-0003)		
28 46 13 31-0018	EA		Remote LCD Command Module Flush Mount LCD Wallbox (EST3 RLCM/B) .....	164.15	38.61
28 46 13 31-0019	EA		Remote LCD Command Module Surface Mount LCD Wallbox (EST3 RLCM/B-S) .....	148.71	30.89
28 46 13 31-0020	EA		Six Position LED/LCD Flush Wallbox (EST3 6ANN/B) .....	183.45	38.61
28 46 13 31-0021	EA		Six Position LED/LCD Surface Wallbox (EST3 6ANN/B-S) .....	168.01	30.89
28 46 13 31-0022	EA		Ten Position LED/LCD Flush Wallbox (EST3 10ANN/B) .....	201.54	38.61
28 46 13 31-0023	EA		Ten Position LED/LCD Surface Wallbox (EST3 10ANN/B-S) .....	186.10	30.89
28 46 13 31-0024			Audio And Telephone Masters (28 46 13 31-0003)		
28 46 13 31-0025	EA		Audio Source Unit With Local Microphone And Firefighters' Telephone (EST3 3-ASU/FT) .....	5,475.14	154.44
28 46 13 31-0026	EA		Audio Source Unit With Local Microphone (Provides Four Local Rail Spaces) (EST3 3-ASU/4) .....	3,072.30	154.44
28 46 13 31-0027	EA		Audio Source Unit With Local Microphone And Inner Door Filler Plate (EST3 3-ASU) .....	1,848.52	154.44
28 46 13 31-0028	EA		Fire Fighters Telephone Control Unit With Inner Door Filler Plate (EST3 3-FTCU) .....	2,907.09	154.44
28 46 13 31-0029	EA		Audio Source Unit Memory Expansion, 100 Minutes (EST3 3-ASUMX/100) .....	3,312.51	154.44
28 46 13 31-0030	EA		Zoned Amplifier, 95 Watt, Class B. 95 Watt Selectable For 25 Or 70 Vrms Class B Output. Mounts In 2 LRM Spaces (EST3 3-ZA95) .....	1,774.32	77.22
28 46 13 31-0031			Battery Distribution Unit (28 46 13 31-0003)		
28 46 13 31-0032	EA		Battery Distribution Unit (EST3 3-BTSEN) .....	651.32	496.87
28 46 13 31-0033			Remote Booster Power Supply (28 46 13 31-0003)		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0034	EA		6.5 Amperes, 120 Volt AC, Booster Power Supply (EST3 BPS6A) .....	982.65	115.83
28 46 13 31-0035	EA		10 Amperes, 110 Volt AC Booster Power Supply (EST3 BPS10).....	1,116.27	115.83
28 46 13 31-0036	EA		10 Amperes, 220 Volt AC Booster Power Supply (EST3 BPS10220).....	1,214.73	115.83
28 46 13 31-0037	EA		Tamper Switch - For CAB7, 14 And 21 Series Cabinets (EST3 3-TAMP) .....	167.39	38.61
<b>28 46 13 31-0038</b>			<b>Batteries And Battery Cabinets</b> (28 46 13 31-0003)		
28 46 13 31-0039	EA		1.2 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V1A2 (1.2 Ampere Hours)).....	130.69	38.61
28 46 13 31-0040	EA		4 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V4A (4.5 Ampere Hours)).....	159.72	38.61
28 46 13 31-0041	EA		24 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V24A (26 Ampere Hours)).....	359.99	38.61
28 46 13 31-0042	EA		6.5 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V6A5 (7.2 Ampere Hours)).....	171.34	38.61
28 46 13 31-0043	EA		40 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V40A (40 Ampere Hours)).....	452.97	38.61
28 46 13 31-0044	EA		10 Amperes Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V10A (11 Ampere Hours)) .....	260.50	38.61
28 46 13 31-0045	EA		50 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V50A (50 Ampere Hours)).....	905.94	38.61
28 46 13 31-0046	EA		17 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V17A (18 Ampere Hours)).....	266.50	38.61
28 46 13 31-0047	EA		65 Ampere Hours, 12 Volt DC, Sealed Lead Acid Battery (EST3 12V65A (65 Amp Hours)).....	1,088.07	38.61
28 46 13 31-0048	EA		8 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V8A (8 Amp Hours)).....	154.06	38.61
28 46 13 31-0049	EA		10 Ampere Hours, 6 Volt DC, Sealed Lead Acid Battery (EST3 6V10A (12 Amp Hours)).....	139.56	38.61
28 46 13 31-0050	EA		14" x 18-1/4" x 7-1/4" Free Standing Battery Cabinet With Key Lock (EST3 BC-1).....	478.30	77.22
			Note: Supports up to 40 Ah batteries will hold up to two 12V24A batteries.		
28 46 13 31-0051	EA		22" x 15" x 3-3/4" Grey Battery Cabinet (EST3 BC-2) .....	400.11	77.22
			Note: Holds up to two 12V17A batteries.		
28 46 13 31-0052	EA		Remote Closet Enclosure (EST3 3-RCC7R) .....	1,330.24	154.44
28 46 13 31-0053	EA		Remote Closet Enclosure (EST3 3-RCC14R) .....	1,638.04	154.44
28 46 13 31-0054	EA		Remote Closet Enclosure (EST3 3-RCC21R) .....	2,276.30	154.44
<b>28 46 13 31-0055</b>			<b>Serial Printer</b> (28 46 13 31-0003)		
28 46 13 31-0056	EA		System Printer - Desk Top Style (EST3 PT-1S) .....	926.31	38.61
<b>28 46 13 31-0057</b>			<b>Intelligent Analog Initiating Devices</b> (28 46 13 31-0002)		
<b>28 46 13 31-0058</b>			<b>Detectors, Signature</b> (28 46 13 31-0057)		
28 46 13 31-0059	EA		Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHS).....	290.92	57.91
28 46 13 31-0060	EA		Black, Intelligent 4D Multisensor Detector For Ionization, Photoelectric, And Heat (EST3 SIGA-IPHSB).....	324.71	57.91
28 46 13 31-0061	EA		Intelligent 3D Multisensor Detector For Photoelectric And Heat (EST3 SIGA-PHS).....	280.85	57.91
28 46 13 31-0062	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA-PS) .....	250.65	57.91
28 46 13 31-0063	EA		Intelligent Ionization Smoke Detector (EST3 SIGA-IS) .....	260.72	57.91
28 46 13 31-0064	EA		135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA-HRS) .....	216.97	57.91
28 46 13 31-0065	EA		135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA-HFS) .....	216.97	57.91
28 46 13 31-0066	EA		Passive Infrared Motion Detector (EST3 SIGA-MD).....	333.70	57.91
28 46 13 31-0067	EA		Passive Infrared Motion Detector With Swivel Mount For Single Gang Boxes (EST3 SIGA-MDS) .....	366.68	57.91
28 46 13 31-0068	EA		Intelligent Photoelectric Smoke Detector (EST3 SIGA2-PS) .....	312.10	57.91
28 46 13 31-0069	EA		Intelligent Combination Photo Electric And CO Sensor (EST3 SIGA2-PCOS) .....	443.02	57.91
28 46 13 31-0070	EA		135 Degree Fahrenheit, Intelligent Fixed Temperature Heat Detector (EST3 SIGA2-HFS) .....	263.25	57.91
28 46 13 31-0071	EA		135 Degrees Fahrenheit, 15 Degrees Fahrenheit Per Minute, Intelligent Fixed Temperature/Rate-of-Rise Heat Detector (EST3 SIGA2-HRS) .....	263.25	57.91
28 46 13 31-0072	EA		Photoelectric, Heat, Intelligent 3D Multisensor Detector (EST3 SIGA2-PHS).....	356.09	57.91
<b>28 46 13 31-0073</b>			<b>Detectors, Duct Housings and Accessories, Signature</b> (28 46 13 31-0057)		
28 46 13 31-0074	EA		Superduct, Signature Duct Smoke Detector (EST3 SIGA-SD) .....	582.05	96.53
28 46 13 31-0075	EA		Superduct, Test Magnet Kit (EST3 SD-MAG).....	27.55	
28 46 13 31-0076	EA		Superduct, 120" Air Sample Tube (EST3 SD-T120).....	79.84	23.16
28 46 13 31-0077	EA		Superduct, Remote Test Station, Keyed, 2-Wire And SIGA (EST3 SD-TRK).....	153.82	30.89
28 46 13 31-0078	EA		Duct Smoke Detector Test Station, 2-Gang Plastic Plate With Key Switch, 2 Keys, Use With Duct Detector Only (EST3 SIGA-DTS) .....	204.92	30.89
28 46 13 31-0079	EA		High Temp Heat Detector, 194 Degree F, Combination Rate-Of-Rise And Fixed Temperature (EST3 282B-PL).....	95.51	30.89
<b>28 46 13 31-0080</b>			<b>Detectors, Smoke, Beam</b> (28 46 13 31-0057)		
28 46 13 31-0081	EA		Beam Alignment Aid, For Quick Alignment Of Beam Detector Transmitter And Receiver Heads (EST3 0201-01-A).....	195.90	
28 46 13 31-0082	EA		Beam Smoke Detector (By Fire Fighting Enterprises) (EST3 22310-18-01).....	2,295.82	57.91
			Note: Includes controller and remote mount transmitter and receiver head.		
28 46 13 31-0083	EA		Beam Detector Prism, Use To Reflect Beam When Mounting Transmitter And Receiver Heads On Same Wall (EST3 23901-00) .....	142.32	19.31
28 46 13 31-0084	EA		Reflector, For EC-50R/100R Reflective Beam Detectors (EST3 23901-01) .....	168.18	19.31
28 46 13 31-0085	EA		160 - 330' Reflective Beam Detector (EST3 EC-100R) .....	2,361.08	57.91
28 46 13 31-0086	EA		15 - 160' Reflective Beam Detector (EST3 EC-50R) .....	2,015.65	57.91
28 46 13 31-0087	EA		Remote Test Station, For EC-50R/100R Reflective Beam Detectors (EST3 EC-LLT) .....	470.49	19.31
28 46 13 31-0088	EA		160 - 330' Self Adjusting Reflective Beam Detector (EST3 EC-5000R).....	2,486.17	57.91
<b>28 46 13 31-0089</b>			<b>Modules, Signature</b> (28 46 13 31-0057)		
28 46 13 31-0090	EA		Universal Class A/B Module - UIO Mount (EST3 SIGA-MAB) .....	269.11	38.61
28 46 13 31-0091	EA		Class B Single Input Module (One Gang Standard Mount) (EST3 SIGA-CT1).....	128.90	38.61
28 46 13 31-0092	EA		Class B Dual Input Module (One Gang Standard Mount) (EST3 SIGA-CT2) .....	164.95	38.61
28 46 13 31-0093	EA		Class B Dual Input UIO (Plug In) Module (EST3 SIGA-MCT2) .....	242.17	38.61
28 46 13 31-0094	EA		Single Input (Riser) Module, Features A Built-In Ring Tone Generator, Use For Switching A Single Signal Or Audio Circuit (EST3 SIGA-CC1) .....	178.55	38.61
28 46 13 31-0095	EA		Dual Input (Riser) Module, Use For Switching (Selecting) Either Of Two Signal Or Audio Input Circuits To One Signal Output Circuit (EST3 SIGA-CC2).....	186.03	38.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0096	EA		Control Relay Module (One Gang Standard Mount) (EST3 SIGA-CR)..... Note: Select for either N.O. or N.C. operation. Rated at 2 amperes (24 Volt DC).	147.95	38.61
28 46 13 31-0097	EA		Control Relay UIO (Plug In) Module (EST3 SIGA-MCR).....	212.04	38.61
28 46 13 31-0098	EA		Single Input (Riser) Module With Strobe Synchronization Output (EST3 SIGA-CC1S).....	279.34	38.61
28 46 13 31-0099	EA		Universal Input/Output Module - Input With Programmable Output (EST3 SIGA-IO).....	272.58	38.61
28 46 13 31-0100	EA		Input/Output Module - UIO Mount, Multifunction Module With Input And Program (EST3 SIGA-MIO).....	262.52	38.61
28 46 13 31-0101	EA		Waterflow/Tamper Module (One Gang Standard Mount) (EST3 SIGA-WTM).....	241.64	203.03
28 46 13 31-0102	EA		Monitor Module (One Gang Standard Mount) (EST3 SIGA-MM1)..... Note: Factory programmed for non-latching monitor operation.	179.95	38.61
28 46 13 31-0103	EA		Single Input (Riser) Module, With Synchronization Output (EST3 SIGA-MCC1S).....	280.45	38.61
<b>28 46 13 31-0104</b>			<b>Module Accessories, Signature</b> (28 46 13 31-0057) Note: Universal I/O motherboards are required for UIO plug-in modules. Module mounting plates can be used to mount multiple 1 and 2-gang modules.		
28 46 13 31-0105	EA		Module Mounting Bracket - For 4" Square Box, Mounting Kit Allows Installing 2 Single Gang Signature Modules Into A Single 4" Square Box (EST3 SIGA-MB4).....	72.43	19.31
28 46 13 31-0106	EA		Universal Input/Output Module Motherboard - 6 Position, Use For M Series Modules (EST3 SIGA-UIO6).....	238.91	38.61
28 46 13 31-0107	EA		Transient Protector - For Bell And Horn Circuits, Provides Transient Protection To -CC1, -MCC1, -CC2, -MCC2, -UM And -MAB Modules (EST3 235196P).....	28.19	11.58
28 46 13 31-0108	EA		Signature Module Mounting Plate, 1 Footprint, Space For Up To Four 2-Gang Signature Modules Or Eight 1-Gang Signature Modules (EST3 SIGA-MP1).....	84.08	19.31
28 46 13 31-0109	EA		Signature Module Mounting Plate, 1/2 Footprint, Space For Up To Two 2-Gang Signature Modules Or Four 1-Gang Signature Modules (EST3 SIGA-MP2).....	75.71	19.31
28 46 13 31-0110	EA		Signature Module Mounting Plate, 1/2 Extended Footprint, Space For Up To Three 2-Gang Signature Modules Or Six 1-Gang Signature Modules (EST3 SIGA-MP2L).....	79.02	19.31
<b>28 46 13 31-0111</b>			<b>Single Action Pull Stations, Signature</b> (28 46 13 31-0057)		
28 46 13 31-0112	EA		One Stage Fire Alarm Station, English Markings (EST3 SIGA-270).....	306.06	80.31
28 46 13 31-0113	EA		Two Stage (Pre Signal) Fire Alarm Station, English Markings (EST3 SIGA-270P).....	356.56	80.31
28 46 13 31-0114	EA		GA Key - For Pre Signal Station (EST3 276-K2).....	41.09	33.37
28 46 13 31-0115	EA		20 Glass Rods For SIGA-270 Series Stations (EST3 270-GLR).....	50.82	43.10
28 46 13 31-0116	EA		Surface Mount Box, Red - For SIGA-270 Series (EST3 276B-RSB).....	83.59	52.70
<b>28 46 13 31-0117</b>			<b>Double Action Pull Stations, Signature</b> (28 46 13 31-0057)		
28 46 13 31-0118	EA		Double Action (One Stage) Fire Alarm Station, English Markings (EST3 SIGA-278).....	235.37	80.31
28 46 13 31-0119	EA		12 Glass Rods For SIGA-278 Series (EST3 276-GLR).....	51.54	7.72
<b>28 46 13 31-0120</b>			<b>Detector Bases and Accessories, Signature</b> (28 46 13 31-0057) Note: For raised floor and plenum applications. Order detector mounting base and detector separately. Compatible with -PS, and -PHS detectors and -SB, -RB and -IB bases.		
28 46 13 31-0121	EA		Audible (Sounder) Base (EST3 SIGA-AB4G).....	147.14	19.31
28 46 13 31-0122	EA		Surface Box - For Sounder Base, Use With -AB4G Models Only (EST3 AB4G-SB).....	58.91	19.31
28 46 13 31-0123	EA		Audible (Sounder) Base, Mounts To 4" Square, 2-1/8" Deep Box (EST3 SIGA-AB4).....	182.18	19.31
28 46 13 31-0124	EA		Detector (Smoke) Guard, Covers Detectors Mounted To Flush Boxes, Compatible With -IPHS And -PS Signature Detectors (EST3 SIGA-DG).....	106.08	19.31
28 46 13 31-0125	EA		Detector (Smoke) Guard Surface Box - For SIGA-DG (EST3 SIGA-DGSB).....	122.91	19.31
28 46 13 31-0126	EA		Detector Mounting Plate (EST3 SIGA-DMP).....	190.23	19.31
28 46 13 31-0127	EA		Remote Alarm LED, Use With -SB And -SB4 Standard Base Only (EST3 SIGA-LED).....	72.43	19.31
28 46 13 31-0128	EA		Trim Skirt/Ring - For Octagon Box (EST3 SIGA-TS).....	28.34	11.58
28 46 13 31-0129	EA		Trim Skirt/Ring - For 4" Square Box, Use To Hide Imperfections Around Electric Boxes Not Completely Hidden By Standard Bases, With All 4" Bases (EST3 SIGA-TS4).....	28.34	11.58
28 46 13 31-0130	EA		Detector (Smoke) Guard Mounting Flange, Provides Secure Mounting While Offering Easy Guard Removal, With Tamper Hardware (EST3 SIGA-DGMF).....	73.80	11.58
28 46 13 31-0131	EA		Detector Base With Isolator (EST3 SIGA-IB).....	121.20	19.31
28 46 13 31-0132	EA		Detector Base With Isolator - For 4" Square Box, With TS4 Skirt (EST3 SIGA-IB4).....	128.42	19.31
28 46 13 31-0133	EA		Detector Base With Form 'C' Relay (EST3 SIGA-RB).....	73.97	19.31
28 46 13 31-0134	EA		Detector Base With Form 'C' Relay - For 4" Square Box, With TS4 Skirt (EST3 SIGA-RB4).....	108.62	19.31
28 46 13 31-0135	EA		Detector Base - Standard, For 4" Square Box, With TS4 Skirt (EST3 SIGA-SB4).....	50.17	19.31
<b>28 46 13 31-0136</b>			<b>Controllers, Signature</b> (28 46 13 31-0057)		
28 46 13 31-0137	EA		Signature Dual Driver Controller (EST3 3-SDDC1).....	3,928.30	115.83
28 46 13 31-0138	EA		Single Signature Loop Controller (EST3 3-SSDC1).....	2,268.79	115.83
28 46 13 31-0139	EA		Signature Loop Controller (EST3 3-SDC1).....	2,042.27	115.83
28 46 13 31-0140	EA		Analog Addressable Loop Controller (EST3 3-AADC1).....	3,249.34	115.83
<b>28 46 13 31-0141</b>			<b>Relays And Accessories</b> (28 46 13 31-0057)		
28 46 13 31-0142	EA		Multi Voltage Relay (EST3 MR101).....	219.71	38.61
28 46 13 31-0143	EA		Single SPDT Auxiliary Relay With LED Track Mounting (EST3 MR101/T).....	68.14	19.31
<b>28 46 13 31-0144</b>			<b>Notification Appliances</b> (28 46 13 31-0002)		
<b>28 46 13 31-0145</b>			<b>Wall Strobes, Horns And Chimes</b> (28 46 13 31-0144)		
28 46 13 31-0146	EA		Strobe (15, 30, 75, Or 110 cd Output), White (EST3 G1-VM).....	187.81	57.91
28 46 13 31-0147	EA		Strobe (15, 30, 75, Or 110 cd Output), Red (EST3 G1R-VM).....	187.81	57.91
28 46 13 31-0148	EA		Horn-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-HDVM).....	211.25	57.91
28 46 13 31-0149	EA		Temporal Horn (Selectable High Or Low dB Output), White (EST3 G1-HD).....	161.39	57.91

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0150	EA		Temporal Horn (Selectable High Or Low dB Output), Red (EST3 G1R-HD) .....	161.39	57.91
28 46 13 31-0151	EA		Temporal Horn, Hi/Lo dB Output, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-HD) .....	161.39	57.91
28 46 13 31-0152	EA		Temporal Horn, Hi/Lo dB Output, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-HD) .....	161.39	57.91
28 46 13 31-0153	EA		Horn (Steady Tone), 24 Volt DC, White, Not Compatible With Signal Master (EST3 G1-P) .....	139.20	57.91
28 46 13 31-0154	EA		Horn (Steady Tone) - 24 Volt DC, Red, Not Compatible With Signal Master (EST3 G1R-P) .....	139.20	57.91
28 46 13 31-0155	EA		Horn (Steady Tone), 24 Volt DC, Red, With The Word "FIRE" On Housing, Not Compatible With Signal Master (EST3 G1RF-P) .....	139.20	57.91
28 46 13 31-0156	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), White (EST3 G1-CVM) .....	306.93	57.91
28 46 13 31-0157	EA		Genesis Chime-Strobe (15, 30, 75, Or 110 cd Output, High Or Low dB Output), Red (EST3 G1R-CVM) .....	306.93	57.91
28 46 13 31-0158	EA		Genesis Chime (Selectable High Or Low dB Output), White (EST3 G1-C) .....	208.39	57.91
28 46 13 31-0159	EA		Genesis Chime (Selectable High Or Low dB Output), Red (EST3 G1R-C) .....	208.39	57.91
28 46 13 31-0160	EA		Wall Strobe, 15/75 cd, White, With The Word "FIRE" On Housing (EST3 G1F-V1575) .....	187.81	57.91
28 46 13 31-0161	EA		Multi-cd Strobe, 24 Volt DC, White, With The Word "FIRE" On Housing (EST3 G1F-VM) .....	187.81	57.91
28 46 13 31-0162	EA		Multi-Candela Strobe, 24 Volt DC, Red, With The Word "FIRE" On Housing (EST3 G1RF-VM) .....	187.81	57.91
28 46 13 31-0163	EA		Wall Strobe, 15/75 cd, Red, With The Word "FIRE" On Housing (EST3 G1RF-V1575) .....	187.81	57.91
28 46 13 31-0164	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCF-VM) .....	194.40	57.91
28 46 13 31-0165	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST3 GCFR-VM) .....	194.40	57.91
28 46 13 31-0166	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, FIRE Marking, Mounts To 4" Square x 2-1/8" Box (EST GCF-VMH) .....	209.81	57.91
28 46 13 31-0167	EA		Genesis Ceiling Strobe, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VM) .....	194.40	57.91
28 46 13 31-0168	EA		Genesis Ceiling Strobe, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-VMH) .....	194.40	57.91
28 46 13 31-0169	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, White (EST3 G1T-FIRE) .....	124.77	57.91
28 46 13 31-0170	EA		Genesis Trim Plate (For Two-Gang Or 4" Square Boxes) With "FIRE" Markings, Red (EST3 G1RT-FIRE) .....	124.77	57.91
<b>28 46 13 31-0171</b>			<b>Wall Speakers And Speaker Strobes</b> (28 46 13 31-0144)		
28 46 13 31-0172	EA		Multi-Wattage 25 VRMS Speaker (EST3 G4-S2) .....	159.40	57.91
28 46 13 31-0173	EA		Multi-Candela/Wattage 25 VRMS Speaker-Strobe (EST3 G4-S2VM) .....	233.75	57.91
28 46 13 31-0174	EA		Multi-Wattage 70 VRMS Speaker (EST3 G4-S7) .....	159.40	57.91
28 46 13 31-0175	EA		Multi-Candela/Wattage 70 VRMS Speaker-Strobe (EST3 G4-S7VM) .....	233.75	57.91
28 46 13 31-0176	EA		Surface Box, White, For Genesis Speaker (EST3 G4B) .....	79.90	30.89
28 46 13 31-0177	EA		Surface Box, Red, For Genesis Speaker (EST3 G4RB) .....	79.90	30.89
<b>28 46 13 31-0178</b>			<b>Ceiling Speakers And Speaker Strobes</b> (28 46 13 31-0144)		
28 46 13 31-0179	EA		Genesis Ceiling Speaker, 70 VRMS, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7) .....	186.37	57.91
28 46 13 31-0180	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 15-95 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VM) .....	233.75	57.91
28 46 13 31-0181	EA		Genesis Ceiling Speaker/Strobe, 70 VRMS, 95-177 Multi-cd, Mounts To 4" Square x 2-1/8" Box (EST3 GC-S7VMH) .....	248.76	57.91
<b>28 46 13 31-0182</b>			<b>Harsh Environment Signals</b> (28 46 13 31-0144)		
28 46 13 31-0183	EA		Temporal Horn, Self-Synchronized, 24 Volt DC (EST3 757-1A-T) .....	167.91	57.91
28 46 13 31-0184	EA		15/75 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-7A-T) .....	227.09	57.91
28 46 13 31-0185	EA		110 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-8A-T) .....	227.09	57.91
28 46 13 31-0186	EA		15 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-5A-T) .....	209.50	57.91
28 46 13 31-0187	EA		15/75 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-7A-T) .....	197.80	57.91
28 46 13 31-0188	EA		30 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-3A-T) .....	209.50	57.91
28 46 13 31-0189	EA		60 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-6A-T) .....	209.50	57.91
28 46 13 31-0190	EA		110 Candela Synchronized, 24 Volt DC, Strobe (EST3 405-8A-T) .....	209.50	57.91
28 46 13 31-0191	EA		15/75 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-7A-T) .....	232.20	65.64
28 46 13 31-0192	EA		110 Candela Synchronized, 24 Volt DC, Red, Outdoor Listed, Strobe (EST3 CS405-8A-T) .....	232.20	65.64
28 46 13 31-0193	EA		15 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-5A-T) .....	175.05	57.91
28 46 13 31-0194	EA		30 Candela Temporal Horn/Strobe, 24 Volt DC (EST3 757-3A-T) .....	221.47	57.91
<b>28 46 13 31-0195</b>			<b>Fire Alarm Bells</b> (28 46 13 31-0144)		
28 46 13 31-0196	EA		10" Single Stroke Fire Alarm Bells, 24 Volt DC (EST3 323D-10AW) .....	243.51	57.91
28 46 13 31-0197	EA		6" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-6AW) .....	199.31	57.91
28 46 13 31-0198	EA		10" Vibrating Fire Alarm Bells, 24 Volt DC (EST3 439D-10AW) .....	218.17	57.91
<b>28 46 13 31-0199</b>			<b>Multiple Tone Signal</b> (28 46 13 31-0144)		
28 46 13 31-0200	EA		27 Tone Selectable Signal, 24 Volt DC (EST3 5530MD-24AW) .....	1,441.98	1,384.06
<b>28 46 13 31-0201</b>			<b>Multi-Purpose Loudspeaker</b> (28 46 13 31-0144)		
28 46 13 31-0202	EA		15 Watt Loudspeaker, Gray (EST3 HPSA15G2570) .....	314.00	57.91
28 46 13 31-0203	EA		15 Watt Loudspeaker, Red (EST3 HPSA15R2570) .....	314.00	57.91
<b>28 46 13 31-0204</b>			<b>Bell/Strobe Plate</b> (28 46 13 31-0144)		
28 46 13 31-0205	EA		Bell/Strobe Plate - 15cd (EST3 403-5A-R) .....	159.45	30.89
<b>28 46 13 31-0206</b>			<b>Mounting Accessories</b> (28 46 13 31-0144)		
28 46 13 31-0207	EA		Surface Mount Box - Indoor, Red, 1-Gang (EST3 27193-11) .....	81.27	30.89
28 46 13 31-0208	EA		One Gang Surface Mount Box, Red, No Bottom KO (EST3 27193-11-NY) .....	81.27	30.89
28 46 13 31-0209	EA		Surface Mount Box - Indoor, White, 1-Gang (EST3 27193-16) .....	81.27	30.89
28 46 13 31-0210	EA		Surface Mount Box - Indoor, Red, 2-Gang (EST3 27193-21) .....	81.27	30.89
28 46 13 31-0211	EA		Surface Mount Box - Indoor, White, 2-Gang (EST3 27193-26) .....	81.27	30.89
<b>28 46 13 31-0212</b>			<b>Firefighters' Telephones</b> (28 46 13 31-0144)		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0213	EA		Remote Telephone Warden Station - Flush, Red, 5' Armored Cable, Hinged Door With Magnetic Latch, 4-State (EST3 6830-NY-F4).....	1,308.54	96.53
28 46 13 31-0214	EA		Four State Remote Telephone Warden Station - Surface, Armored Cord (EST3 6830-NY-S4).....	750.81	96.53
28 46 13 31-0215	EA		Remote Telephone Warden Station - Flush, Armored Cord (EST3 6830-NY-F).....	549.96	96.53
28 46 13 31-0216	EA		Telephone Handset Assembly - Red c/w 60" Coiled Cord (EST3 6830-1).....	409.94	96.53
28 46 13 31-0217	EA		Remote Telephone Handset Station - 4-State, Red, 5' Coiled Cord (EST3 6830-4).....	725.81	96.53
28 46 13 31-0218	EA		Three State Telephone Handset Assembly - Red, 60" Coiled Cord, Push To Talk Button (EST3 6830-5A).....	459.91	96.53
28 46 13 31-0219	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Coiled Cord (EST3 6830-5A-4).....	814.32	96.53
28 46 13 31-0220	EA		Three State Telephone Handset Assembly - Red, 60" Armored Cord, Push To Talk Button (EST3 6830-6A).....	476.57	96.53
28 46 13 31-0221	EA		Remote Telephone Handset Station - 4-State, Red, 'Push To Talk' Button, 5' Armored Cable (EST3 6830-6A-4).....	927.67	96.53
28 46 13 31-0222	EA		Portable Handset Receptacle, 1 Gang Stainless Steel Faceplate (EST3 6833-1).....	108.52	30.89
28 46 13 31-0223	EA		Portable Telephone Receptacle - 1-Gang, SS, 4-State (EST3 6833-4).....	123.02	30.89
28 46 13 31-0224	EA		Portable Telephone Handset - Black, Coiled Cord (EST3 6830-3).....	159.68	
28 46 13 31-0225	EA		Portable Telephone Handset - Red, Coiled Cord (EST3 6700-0061).....	159.68	
28 46 13 31-0226	EA		Frontplate - Flush Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-1).....	251.23	38.61
28 46 13 31-0227	EA		Frontplate - Flush Mount, Red Finish, Non-Break Glass Type With Two Keys (EST3 6831-2).....	308.94	38.61
28 46 13 31-0228	EA		Frontplate - Surface Mount, Red Finish, Break Glass Type, With Two Keys (EST3 6831-3).....	222.37	38.61
28 46 13 31-0229	EA		Frontplate - Surface Mount, Red Finish, Non-Break Glass Type, With Two Keys (EST3 6831-4).....	213.89	38.61
28 46 13 31-0230	EA		Wallbox - Flush Or Surface Mount, Red Finish, 14" x 8-1/2" x 3-1/2" (EST3 6832-1).....	168.56	57.91
28 46 13 31-0231	EA		Portable Handset Storage Cabinet, Surface Mount, With Keylock, Red Finish (EST3 TCS-6).....	1,342.80	77.22
<b>28 46 13 31-0232</b>			<b>Mass Notification EC Appliances (28 46 13 31-0144)</b>		
28 46 13 31-0233	EA		G1 Wall, Strobe, White Housing, Alert Markings, Amber Lens (EST3 G1WA-VMA).....	194.45	57.91
28 46 13 31-0234	EA		G1 Wall, Strobe, White Housing, Alert Markings, Clear Lens (EST3 G1WA-VMC).....	188.45	57.91
28 46 13 31-0235	EA		G1 Wall, Strobe, White Housing, No Markings, Amber Lens (EST3 G1WN-VMA).....	194.45	57.91
28 46 13 31-0236	EA		G1 Wall, Strobe, White Housing, No Markings, Clear Lens (EST3 G1WN-VMC).....	188.45	57.91
28 46 13 31-0237	EA		G1 Wall, White Trim Ring, Alert Marking (EST3 G1WT-ALERT).....	30.33	11.58
<b>28 46 13 31-0238</b>			<b>Hazardous Location Devices (28 46 13 31-0002)</b>		
<b>28 46 13 31-0239</b>			<b>Detectors, Rate Compensation Heat, For Explosion/Weather/Moisture Proof And Ordinary Location (28 46 13 31-0238)</b>		
28 46 13 31-0240	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 135 Degree F (EST3 302-135).....	174.41	57.91
28 46 13 31-0241	EA		Heat Detector, Rate Compensation, Interior Vertical Surface Mount FM And UL, 194 Degree F (EST3 302-194).....	174.41	57.91
28 46 13 31-0242	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 135 Degree F (EST3 302-AW-135).....	180.72	57.91
28 46 13 31-0243	EA		Heat Detector - Rate Compensation, All-Weather Vertical Mounting, FM And UL, 194 Degree F (EST3 302-AW-194).....	180.72	57.91
28 46 13 31-0244	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 135 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-135).....	239.07	57.91
28 46 13 31-0245	EA		Heat Detector, Rate Compensation, Explosion Proof Mounting, Interior Vertical Surface Mount FM And UL, 194 Degree F, Requires JALX-11 Or Equal (EST3 302-EPM-194).....	239.07	57.91
28 46 13 31-0246	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 135 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-135).....	180.72	57.91
28 46 13 31-0247	EA		Heat Detector, Rate Compensation, All-Weather Vertical, Box Mount (1/2" NPT), FM And UL, 194 Degree F, Requires STONCO27 Or Equal (EST3 302-ET-194).....	180.72	57.91
<b>28 46 13 31-0248</b>			<b>Hazardous Locations Fire Alarm Station (28 46 13 31-0238)</b>		
28 46 13 31-0249	EA		Hazardous Location Fire Alarm Station (EST3 XAL53).....	1,384.16	96.53
28 46 13 31-0250	EA		Explosion Proof, Weatherproof, Fire Alarm Station, Single Action, Cat 45 Key Reset, Terminal Connections, DPDT (EST3 MPSR1-D45WX-GE).....	1,319.45	96.53
<b>28 46 13 31-0251</b>			<b>Hazardous Location Strobes (28 46 13 31-0238)</b>		
28 46 13 31-0252	EA		Explosion Proof Strobe (EST3 116DEXSTC-FJ).....	2,025.48	57.91
28 46 13 31-0253	EA		Wall Bracket Mounting Elbow (EST3 116EX-B).....	381.18	19.31
28 46 13 31-0254	EA		Ceiling / Wall Mounting Module (EST3 116EX-C).....	497.91	23.16
28 46 13 31-0255	EA		Pendant Mounting Module (EST3 116EX-P).....	367.67	23.16
<b>28 46 13 31-0256</b>			<b>Hazardous Location Bells (28 46 13 31-0238)</b>		
28 46 13 31-0257	EA		6" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-6AW).....	1,467.63	57.91
28 46 13 31-0258	EA		8" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-8AW).....	1,505.09	57.91
28 46 13 31-0259	EA		10" Hazardous Location Bells, 24 Volt DC (EST3 439DEX-10AW).....	1,518.58	57.91
<b>28 46 13 31-0260</b>			<b>Hazardous Location Horns (28 46 13 31-0238)</b>		
28 46 13 31-0261	EA		Hazardous Location Horns (EST3 888D-N5).....	1,435.34	57.91
28 46 13 31-0262	EA		Explosion Proof Horn, Diode Polarized, 24 Volt DC (EST3 889D-AW).....	1,176.10	57.91
<b>28 46 13 31-0263</b>			<b>Door Holders And Relays (28 46 13 31-0002)</b>		
<b>28 46 13 31-0264</b>			<b>Electromagnetic Door Holders (28 46 13 31-0263)</b>		
28 46 13 31-0265	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Single, Floor Mount (EST3 1501-AQN5).....	274.38	57.91
28 46 13 31-0266	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Double, Floor Mount (EST3 1502-AQN5).....	349.57	57.91
28 46 13 31-0267	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount (EST3 1504-AQN5).....	235.98	57.91
28 46 13 31-0268	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Flush, Wall Mount, Short Catch Plate (EST3 1505-AQN5).....	235.98	57.91
28 46 13 31-0269	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Surface, Wall Mount (EST3 1508-AQN5).....	239.46	57.91
28 46 13 31-0270	EA		24 Volt AC / 24 Volt DC / 120 Volt AC, Door Holder, Completely Flush, Wall Mount (EST3 1509-AQN5).....	242.76	57.91

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0271			<b>Control Relays, Multi-Voltage</b> (28 46 13 31-0263)		
28 46 13 31-0272	EA		Single SPDT With LED, Adhesive Tape Mounting (EST3 PAM1).....	55.42	11.58
28 46 13 31-0273			<b>FireShield Plus</b> (28 46 13 31-0002)		
28 46 13 31-0274			<b>3 Zone System</b> (28 46 13 31-0273)		
28 46 13 31-0275	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302R) .....	1,540.83	463.33
28 46 13 31-0276	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302RD) .....	2,224.21	617.77
28 46 13 31-0277	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP302G) .....	1,540.83	463.33
28 46 13 31-0278	EA		Conventional Fire Alarm Control Panel, 3 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP302GD) .....	2,224.21	617.77
28 46 13 31-0279	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	103.40	19.31
28 46 13 31-0280	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	103.40	19.31
28 46 13 31-0281			<b>5 Zone System</b> (28 46 13 31-0273)		
28 46 13 31-0282	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502R) .....	1,645.69	463.33
28 46 13 31-0283	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502RD) .....	2,323.08	617.77
28 46 13 31-0284	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries (EST3 FSP502G) .....	1,645.69	463.33
28 46 13 31-0285	EA		Conventional Fire Alarm Control Panel, 5 Class B IDC Zones, 2 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 10 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP502GD) .....	2,323.08	617.77
28 46 13 31-0286	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Gray (EST3 F-TRIM35G).....	103.40	19.31
28 46 13 31-0287	EA		Semi Flush Trim Kit For 3 Or 5 Zone Enclosures, Red (EST3 F-TRIM35R).....	103.40	19.31
28 46 13 31-0288			<b>10 Zone System</b> (28 46 13 31-0273)		
28 46 13 31-0289	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004R) .....	2,359.03	617.77
28 46 13 31-0290	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Red Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004RD) .....	3,042.42	772.20
28 46 13 31-0291	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries (EST3 FSP1004G) .....	2,314.09	617.77
28 46 13 31-0292	EA		Conventional Fire Alarm Control Panel, 10 Class B IDC Zones, 4 Class B NAC's, 3.5 Amperes NAC Power, Gray Enclosure, 120 Volt AC, Capacity For (2) 17 Amp Hours Batteries, With Upload/Download DACT (EST3 FSP1004GD) .....	3,042.42	772.20
28 46 13 31-0293	EA		Semi Flush Trim Kit For 10 Zone Enclosures, Gray (EST3 F-TRIM10G).....	119.62	19.31
28 46 13 31-0294	EA		NAC Power Expansion Transformer, 120 Volt AC, Increases 10 Zone FACP NAC (EST3 F-XTR120) .....	219.88	38.61
28 46 13 31-0295			<b>FireShield Plus Off Premise Communication Options</b> (28 46 13 31-0273)		
28 46 13 31-0296	EA		F-Series Upload/Download DACT And Modem, Dual Line, With 2x16 LCD (EST3 F-DACT).....	466.70	38.61
28 46 13 31-0297			<b>FireShield Plus Remote LED Annunciators</b> (28 46 13 31-0273)		
28 46 13 31-0298	EA		Remote System Indicator, Power, Alarm, Supervisory, Trouble And Ground Fault LED's With Local Buzzer, Single Gang, And White Trim Plate (EST3 FSRSI) .....	213.04	57.91
28 46 13 31-0299	EA		Remote Zone Indicator, Contains 5 Red LED's For Alarm Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-A) .....	213.04	57.91
28 46 13 31-0300	EA		Remote Zone Indicator, Contains 5 Bi-Color LED's (Red/Yellow) For Alarm Or Supervisory Zone Indication, With Jumper Selectable Zone Settings, Single Gang, And White Trim Plate (EST3 FSRZI-SA) .....	220.69	57.91
28 46 13 31-0301	EA		Remote Annunciator Trim Plate - 2 Gang - White (EST3 FSAT2) .....	42.65	11.58
28 46 13 31-0302	EA		Remote Annunciator Trim Plate - 3 Gang - White (EST3 FSAT3) .....	52.42	11.58
28 46 13 31-0303	EA		Remote Annunciator Trim Plate - 4 Gang - White (EST3 FSAT4) .....	75.91	11.58
28 46 13 31-0304			<b>FireShield Plus Remote 10 Zone LED Annunciators</b> (28 46 13 31-0273)		
28 46 13 31-0305	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10) .....	625.15	57.91
28 46 13 31-0306	EA		Remote LED Annunciator, With Common System Indicators, 10 Zone Indicators And Common Control Switches, White Housing, Mounts To 4" Electrical Box, For Use With 10 Zone Panels Only (EST3 FSRA10C) .....	685.07	57.91
28 46 13 31-0307	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Gray (EST3 RA-ENC1).....	227.02	38.61
28 46 13 31-0308			<b>FireShield Plus Remote Relays And Interfaces</b> (28 46 13 31-0273)		
28 46 13 31-0309	EA		Remote Relay Module, 5 Form C Contacts, Jumper Selectable Operation, With Mounting Track (EST3 FSRRM24).....	239.24	38.61
28 46 13 31-0310	EA		11" Snap Track Holds 2-4 RRRMs, Used To Mount FSRRMs In MFC-A Or Other Listed Enclosure, MFC-A Will Hold Two FSRRM-11S (EST3 FSRRM-S11).....	101.53	23.16
28 46 13 31-0311	EA		Common Function Graphic Driver/Interface - 9 Relays And 5 Switch Inputs For Common System Indicators And Controls (EST3 FSUIM).....	373.82	38.61



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 46 13 31-0312 FireShield Plus Accessories (28 46 13 31-0273)</b>					
28 46 13 31-0313	EA		Resistor Kit With 1-3.6K And 1-1.1K (46071-0409) (EST3 EOL3.6-1.1).....	23.04	
28 46 13 31-0314	EA		4.7k UL End Of Line Resistor With Fireshield Panels (EST3 EOL47PK7).....	14.84	
<b>28 46 13 31-0315 iO Series Fire Control Panels (28 46 13 31-0002)</b>					
<b>28 46 13 31-0316 Intelligent Analog Control Panels (28 46 13 31-0315)</b>					
28 46 13 31-0317	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18a/h Batteries, English (EST3 iO500G).....	4,670.73	772.20
28 46 13 31-0318	EA		FACP, 1 Intelligent Loop Supporting 125 Detectors/125 Modules, 2nd Loop Optional, 4 Class B NAC's, 6.5 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 18 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO500GD).....	4,961.34	772.20
28 46 13 31-0319	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, English (EST3 iO64G).....	3,729.38	617.77
28 46 13 31-0320	EA		FACP, 1 Loop, 64 Intelligent Devices Max, 2 Class B NAC's, 4.25 Amperes Power Supply, Gray Door, 115 Volt AC, Capacity For Up (2) 10 Amp/hour Batteries, With Dual Line Dialer/Modem, English (EST3 iO64GD).....	3,864.20	617.77
<b>28 46 13 31-0321 Option Modules And Accessories For iO Series (28 46 13 31-0315)</b>					
28 46 13 31-0322	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Left Side Mounting, Zones 1-16 (EST3 D16L-iO-1).....	415.43	57.91
28 46 13 31-0323	EA		16 Zone LED Annunciator, 2 LED's Per Zone, Customizable Insert Labels, Right Side Mounting, Zones 17-32, Requires D16L-iO-1 (EST3 D16L-iO-2).....	265.63	57.91
28 46 13 31-0324	EA		Serial Interface, RS232, 4 Terminal Connections For Supervised/Unsupervised Printers And Connection To PC's (EST3 SA-232).....	265.63	57.91
28 46 13 31-0325	EA		Class A NAC Module, For 64 Point Systems Only, Mounts To Main Board (EST3 SA-CLA).....	227.02	38.61
28 46 13 31-0326	EA		Dialer/Modem, Two Telephone Line Connections, RJ31, Mounts To Base Plate (EST3 SA-DACT).....	451.26	30.89
28 46 13 31-0327	EA		Ethernet Port Interface, RJ45, Mounts To Base Plate (EST3 SA-ETH).....	810.78	30.89
28 46 13 31-0328	EA		Trim Kit For Semi-Flush Mounting 64 Point Systems (EST3 SA-TRIM1).....	101.53	19.31
28 46 13 31-0329	EA		Trim Kit For Semi-Flush Mounting 500 Point Systems (EST3 SA-TRIM2).....	116.51	19.31
28 46 13 31-0330	EA		Expansion Loop For iO500 Systems, 125 Detectors/125 Modules, Mounts On Main Board (EST3 XAL250).....	1,502.64	77.22
<b>28 46 13 31-0331 Remote Annunciators For iO Series (28 46 13 31-0315)</b>					
28 46 13 31-0332	EA		Remote Annunciator, 80 Character LCD, Common System Indicators, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD).....	827.37	57.91
28 46 13 31-0333	EA		Remote Annunciator, 80 Character LCD, Common System Indicators And Controls, Beige Housing, Mounts To 4" Box With Supplied Ring (EST3 RLCD-C).....	864.83	57.91
<b>28 46 13 31-0334 Remote Annunciator Accessories (28 46 13 31-0315)</b>					
28 46 13 31-0335	EA		24 Expander Cable Assembly, With Cable And Hardware (EST3 730073).....	98.53	19.31
28 46 13 31-0336	EA		12 Expander Cable (Cable Only) (EST3 7120313-01).....	68.57	19.31
28 46 13 31-0337	EA		24 Expander Cable (Cable Only) (EST3 7120313-02).....	91.03	19.31
28 46 13 31-0338	EA		Single Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC1).....	265.63	57.91
28 46 13 31-0339	EA		Dual Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC2).....	303.07	57.91
28 46 13 31-0340	EA		Three Unit Remote Annunciator Enclosure, 4" Box Mount, Key Locked Door, Plexiglas Window, Beige (EST3 RA-ENC3).....	340.53	57.91
28 46 13 31-0341	EA		Blank Zone Card Insert For RLEDx Controllers (EST3 RA-LED16ZC).....	68.57	19.31
28 46 13 31-0342	EA		Blank Zone Card Insert For RLED24x Controllers (EST3 RA-LED24ZC).....	68.57	19.31
28 46 13 31-0343	EA		Remote Key Switch, Single Gang Mount, Provides Keyed Control To Enable/Disable Common Control Switches On Remote Annunciators (EST3 RKEY).....	134.03	19.31
<b>28 46 13 31-0344 System Accessories (28 46 13 31-0315)</b>					
28 46 13 31-0345	EA		Battery Cabinet, 14" x 18.25" x 7.25" Free Standing Cabinet With Key Lock, Supports Up To 40 Amp Hours Batteries, Will Hold Up To Two 12 Volt DC, 24 Ampere Batteries (EST3 BC-1).....	478.30	77.22
28 46 13 31-0346	EA		Isolator Module - RS232, For Use With Short Haul Modems, VDU-3, CCA Series, CGP Series And FCOM-232, Requires 1/2 Size Cabinet Footprint (EST3 IOP3A).....	2,257.77	617.77
<b>28 46 13 31-0347 Conventional Initiating Devices (28 46 13 31-0002)</b>					
<b>28 46 13 31-0348 Detectors, Heat, Double Pole (28 46 13 31-0347)</b>					
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					
28 46 13 31-0349	EA		Heat Detector, 135 Degree F Fixed Temperature (CF135-2).....	196.55	57.91
28 46 13 31-0350	EA		Heat Detector, 200 Degree F Fixed Temperature (CF200-2).....	196.55	57.91
28 46 13 31-0351	EA		Heat Detector, 135 Degree F ROR/Fixed Temperature (CR135-2).....	196.55	57.91
28 46 13 31-0352	EA		Heat Detector, 200 Degree F ROR/Fixed Temperature (CR200-2).....	196.55	57.91
<b>28 46 13 31-0353 Detectors, Rate Compensation Heat, Accessories (28 46 13 31-0347)</b>					
28 46 13 31-0354	EA		Heat Detector, Rate Compensation, Adapter Plate For Mounting 302 And 302-AW To Any 3 Outlet Box Or 4" Octagon Outlet Box (GE AP-P).....	128.87	57.91
28 46 13 31-0355	EA		Explosion Proof Outlet Body With Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE JALX11).....	306.66	30.89
28 46 13 31-0356	EA		4" Weatherproof, Octagon Backbox And Cover, 1/2" Threaded Hubs On Back, Four Sides And Cover (GE STONCO27).....	106.41	38.61
<b>28 46 13 31-0357 Detectors, Heat, Fire-Lite (28 46 13 31-0347)</b>					
Note: WARNING, Heat detectors are not Life Safety Devices, use for property protection only.					



**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

MINOR	TOTAL DIRECT	DEMOLITION	
CSI UOM DESCRIPTION	UNIT COST	UNIT COST	
28 46 13 31-0358	EA	Explosion Heat Detector, 135 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-135) ..... 185.03	57.91
28 46 13 31-0359	EA	Explosion Heat Detector, 194 Degree F Fixed Temperature, Rate-Anticipation Heat Detector, All-Weather Vertical Mounting (302-EPM-194) ..... 185.03	57.91
<b>28 46 13 31-0360</b>		<b>Audio Notification Systems (Standalone Voice Evacuation) (28 46 13 31-0002)</b>	
<b>28 46 13 31-0361</b>		<b>Audio Notification Panels (28 46 13 31-0360)</b>	
28 46 13 31-0362	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS100MDG) ..... 5,993.48	772.20
28 46 13 31-0363	EA	Audio Notification Panel, 100 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS100MDR) ..... 5,993.48	772.20
28 46 13 31-0364	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS25MDG) ..... 4,540.42	772.20
28 46 13 31-0365	EA	Audio Notification Panel, 25 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS25MDR) ..... 4,540.42	772.20
28 46 13 31-0366	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Gray Cabinet (GE ANS50MDG) ..... 5,259.46	772.20
28 46 13 31-0367	EA	Audio Notification Panel, 50 Watt Amplifier, DMR, Temporal Pattern, Power Supply And Battery Charger, Standard Message, Microphone, And 14.5" x 18" x 4" Red Cabinet (GE ANS50MDR) ..... 5,259.46	772.20
<b>28 46 13 31-0368</b>		<b>Audio Notification Expander Panels (28 46 13 31-0360)</b>	
28 46 13 31-0369	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS100XG) ..... 4,660.26	772.20
28 46 13 31-0370	EA	Audio Expander Panel, 100W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS100XR) ..... 4,660.26	772.20
28 46 13 31-0371	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS25XG) ..... 3,252.14	772.20
28 46 13 31-0372	EA	Audio Expander Panel, 25 Watt Without DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS25XR) ..... 3,252.14	772.20
28 46 13 31-0373	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Gray Cabinet (GE ANS50XG) ..... 4,076.04	772.20
28 46 13 31-0374	EA	Audio Expander Panel, 50W With Out DMR Or Microphone, Power Supply And Battery Charger, 14.5" x 18" x 4" Red Cabinet (GE ANS50XR) ..... 4,076.04	772.20
<b>28 46 13 31-0375</b>		<b>Audio Notification Output Accessories (28 46 13 31-0360)</b>	
28 46 13 31-0376	EA	Zone Adapter, 1 Circuit To 2 Circuit's (GE ANSZC2B) ..... 173.43	19.31
28 46 13 31-0377	EA	Zone Splitter, 2 Class A Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS2A) ..... 751.32	38.61
28 46 13 31-0378	EA	Zone Splitter, 4 Class B Circuits With Zone Selection Switches And All-Call Switch (GE ANSZS4B) ..... 751.32	38.61
28 46 13 31-0379	EA	Class A Converter (GE ANSZSC4A) ..... 541.60	38.61
<b>28 46 13 31-0380</b>		<b>Audio Notification Remote Microphone (28 46 13 31-0360)</b>	
28 46 13 31-0381	EA	Microphone (GE ANSMIKE) ..... 212.04	38.61
28 46 13 31-0382	EA	Remote Microphone, Supervised In Surface/Semi-Flush Gray Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMG) ..... 826.22	38.61
28 46 13 31-0383	EA	Remote Microphone, Supervised In Surface/Semi-Flush Red Cabinet, Requires EVX-SC Card In Evacuation Panel (GE ANSREMR) ..... 826.22	38.61
28 46 13 31-0384	EA	Remote Microphone Supervisory Card, One Per System, Supervises Up To 5 Remote Microphones (GE ANSREMSUP) ..... 188.41	19.31
28 46 13 31-0385	EA	Relay Card For Supervision/Zone Splitter To Remote Microphone (GE ANSZSR) ..... 106.01	19.31
<b>28 46 13 31-0386</b>		<b>Audio Notification Accessories (28 46 13 31-0360)</b>	
28 46 13 31-0387	EA	Audio Matching - Line Input/Output Card (GE ANSAUX) ..... 346.86	38.61
28 46 13 31-0388	EA	Class B Backup Amplifier Switching Module (GE ANSBKUP) ..... 346.86	38.61
28 46 13 31-0389	EA	Class A Backup Amplifier Switching Module (GE ANSBKUPA) ..... 346.86	38.61
28 46 13 31-0390	EA	Eight Input Remote Serial Interface Module, Accepts Dry Contact Interface To Control Up To 8 Messages, Message Recording Included With Module, For Industrial Signaling Only, Not UL Listed For Fire Alarm / Life Safety Applications (GE ANSRIS8) ..... 751.32	38.61
<b>28 46 13 31-0391</b>		<b>Audio Notification Modules, Without Cabinet And Transformer (28 46 13 31-0360)</b>	
28 46 13 31-0392	EA	100W Expander Module (No Microphone OR DMR), Requires Transformer Ordered Separately (GE ANS100A) ..... 2,716.02	77.22
		Note: Excludes cabinet.	
28 46 13 31-0393	EA	100W Expander Module With Microphone (No DMR), Requires Transformer Ordered Separately (GE ANS100AM) ..... 2,850.84	77.22
		Note: Excludes cabinet.	
28 46 13 31-0394	EA	100W Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS100AMD) ..... 3,929.40	77.22
		Note: Excludes cabinet.	
28 46 13 31-0395	EA	25 Watt Expander Module (No Microphone Or DMR), Requires Transformer Ordered Separately (GE ANS25A) ..... 1,502.64	77.22
		Note: Excludes cabinet.	
28 46 13 31-0396	EA	25 Watt Expander Module With Microphone (No DMR), Requires Transformer (GE ANS25AM) ..... 1,502.64	77.22
		Note: Excludes cabinet.	
28 46 13 31-0397	EA	25 Watt Audio Notification Module With DMR And Microphone, Requires Transformer Ordered Separately (GE ANS25AMD) ..... 2,716.02	77.22
28 46 13 31-0398	EA	50W Expander Module (No Microphone Or DMR) (GE ANS50A) ..... 2,176.74	77.22
		Note: Excludes cabinet.	
28 46 13 31-0399	EA	50W Expander Module With Microphone (No DMR) (GE ANS50AM) ..... 2,311.56	77.22
		Note: Excludes cabinet.	
28 46 13 31-0400	EA	50W Audio Notification Module With DMR And Microphone (GE ANS50AMD) ..... 3,390.12	77.22
		Note: Excludes cabinet.	
28 46 13 31-0401	EA	Power Transformer, Open Frame, 28 Volt AC At 180 VA (EVAX 50/100) (GE ANST28180) ..... 173.43	19.31

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0402	EA		Power Transformer, Open Frame, 28 Volt AC At 100 VA (EVAX 25) (GE ANST2885).....	130.05	19.31
<b>28 46 13 31-0403</b>			<b>Simplex Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-0404</b>			<b>4100 Fire Alarm Control Panel (28 46 13 31-0403)</b>		
28 46 13 31-0405	EA		4100U Master Controller Assembly With LCD And Operator Interface, 9 Amperes System Power Supply/Battery Charger (SPS), 250 Point IDNet Interface, 3 NACs, Auxiliary Relay And External RUI Communications Interface, 120 Volt AC Input (Simplex 4100-9111) .....	7,624.48	770.72
28 46 13 31-0406	EA		4100ES NDU With Master Controller, LCD And Operator Interface, Network Interface Module (Select Media Card Separately), 9 Amperes System Power Supply/Battery Charger, And External RUI Communications Interface (Power Supply/Battery Charger Is An SPS With Its IDNet Channel And NACs Disabled), 120 Volt AC Input (Simplex 4100-9141) .....	8,275.06	770.72
28 46 13 31-0407	EA		4100ES NDU With VCC Includes The First Bay Equipment Described For The NDU And A Second Bay Assembly With Separate: Master Controller For Voice Functions, Network Interface (Select Media Card Separately), And A Standard SPS With 250 Point IDNet Channel; And 3, 3 A Class A/B NACs Capable Of SmartSync Two-Wire Operation, 120 V Input (Simplex 4100-9142) .....	11,682.43	770.72
28 46 13 31-0408	EA		Up To 127 Points, IDNet Module, (Simplex 4100-3104) .....	5,067.86	770.72
28 46 13 31-0409	EA		Up To 64 Points, IDNet Module, (Simplex 4100-3105) .....	4,075.70	770.72
28 46 13 31-0410	EA		Expansion Power Supply, 3 NACs, 120 Volt AC (Simplex 4100-5101) .....	2,332.40	192.68
28 46 13 31-0411	EA		Alarm Relay, 3 Form C Relays, 2 Amperes At 32 Volt DC, For SPS Or RPS (Simplex 4100-6033) .....	487.33	38.54
28 46 13 31-0412	EA		Dual Port RS-232 Interface Card (Simplex 4100-6038) .....	1,375.11	38.54
<b>28 46 13 31-0413</b>			<b>4100U Backbox (28 46 13 31-0403)</b>		
28 46 13 31-0414	EA		2 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9425) .....	2,413.35	154.14
28 46 13 31-0415	EA		3 Bay Backbox With Glass Door And Dress Panel (Simplex 2975-9443) .....	3,378.60	154.14
<b>28 46 13 31-0416</b>			<b>DACT (Digital Alarm Communicator Transmitter) (28 46 13 31-0403)</b>		
28 46 13 31-0417	EA		6 Zone Fire Control Communicator (Silent Knight SK-5104) .....	1,319.00	77.07
<b>28 46 13 31-0418</b>			<b>4010 Fire Alarm Control Panel (28 46 13 31-0403)</b>		
28 46 13 31-0419	EA		120 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, External N2 Communications Interface, And Internal Common Event Reporting DACT (Simplex 4010-9101) .....	7,225.74	770.72
28 46 13 31-0420	EA		240 Volt AC Fire Alarm Control Panel With Door, Cabinet, Power Supply/Battery Charger, IDNet Interface, 4 NACs, 2 Programmable Auxiliary Relays, And External N2 Communications Interface (Simplex 4010-9201) .....	7,027.92	770.72
28 46 13 31-0421	EA		Dual Circuit Class A NAC Adapter Module (Simplex 4010-9806) .....	256.72	38.54
28 46 13 31-0422	EA		Dual RS-232 Interface Module Expansion Slot Option (Simplex 4010-9811) .....	1,073.89	38.54
28 46 13 31-0423	EA		Single RS-232 Interface Module With Service Modem Connection Expansion Slot Option (Simplex 4010-9812) .....	1,471.92	38.54
28 46 13 31-0424	EA		120 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9813) .....	762.18	38.54
28 46 13 31-0425	EA		240 Volt AC, 4 Amperes, Expansion Power Supply Expansion Module (Simplex 4010-9823) .....	823.79	38.54
28 46 13 31-0426	EA		Battery Meter Module Expansion Module (Simplex 4010-9820) .....	316.59	38.54
<b>28 46 13 31-0427</b>			<b>Printer (28 46 13 31-0403)</b>		
28 46 13 31-0428	EA		24 Pin Dot Matrix Printer (Simplex 4190-9013) .....	2,363.15	38.54
<b>28 46 13 31-0429</b>			<b>NAC Panel / Power Booster (28 46 13 31-0403)</b>		
28 46 13 31-0430	EA		120 Volt AC, IDNet NAC Extender With 4, Class B (Style Y) NACs And 8 Amperes Power Supply (Simplex 4009-9201) .....	1,580.73	192.68
<b>28 46 13 31-0431</b>			<b>Battery (28 46 13 31-0403)</b>		
28 46 13 31-0432	EA		50 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9296) .....	962.81	38.54
28 46 13 31-0433	EA		33 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9276) .....	643.62	38.54
28 46 13 31-0434	EA		6.2 Ampere Hours Sealed Lead Acid Battery (Simplex 2081-9272) .....	239.33	38.54
<b>28 46 13 31-0435</b>			<b>Interface Modules (28 46 13 31-0403)</b>		
28 46 13 31-0436	EA		Supervised Individual Addressable Modules (Simplex 4090-9001) .....	195.46	38.54
28 46 13 31-0437	EA		Relay Individual Addressable Modules (Simplex 4090-9002) .....	392.49	38.54
28 46 13 31-0438	EA		Relay SPDT With LED MR-801/T (Simplex 2088-9032) .....	102.64	38.54
28 46 13 31-0439	EA		SmartSync™ Adapter Module For Non-Addressable Notification Appliance Circuits (NACs) (Simplex 4905-9815) .....	197.64	38.54
28 46 13 31-0440	EA		Surface Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9817) .....	88.59	19.27
28 46 13 31-0441	EA		Flush Mount Cover Plate For SmartSync Adapter Module (Simplex 4905-9818) .....	84.42	19.27
<b>28 46 13 31-0442</b>			<b>Pull Stations (28 46 13 31-0403)</b>		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0443	EA		Addressable Single Action Manual Pull Station (Simplex 4099-9001).....	237.73	38.54
28 46 13 31-0444	EA		N.O. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9101).....	173.03	38.54
28 46 13 31-0445	EA		N.C. Contacts, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9102).....	185.53	38.54
28 46 13 31-0446	EA		Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9103).....	167.39	38.54
28 46 13 31-0447	EA		N.O. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9104).....	193.89	38.54
28 46 13 31-0448	EA		N.C. Contacts, Break-Glass, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9105).....	289.07	38.54
28 46 13 31-0449	EA		Single Action, Pre-Signal, N.O. Contacts, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9107).....	243.94	38.54
28 46 13 31-0450	EA		Break-Glass, Pre-Signal, N.O. Contacts, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9108).....	285.65	38.54
28 46 13 31-0451	EA		Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9754).....	138.26	38.54
28 46 13 31-0452	EA		Local Alarm Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9755).....	145.90	38.54
28 46 13 31-0453	EA		Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9756).....	170.48	38.54
28 46 13 31-0454	EA		N.C. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9758).....	259.84	38.54
28 46 13 31-0455	EA		Pre-Signal, N.O. Contacts, Push, Double Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9759).....	442.58	38.54
28 46 13 31-0456	EA		Institutional Cover, Single Action, Non-Coded, Non-Addressable Manual Pull Stations (Simplex 2099-9762).....	152.17	38.54
28 46 13 31-0457	EA		Surface Mount Steel Box For Manual Pull Station (Simplex 2975-9178).....	92.78	19.27
<b>28 46 13 31-0458</b>			<b>Weatherproof Pull Stations (28 46 13 31-0403)</b>		
28 46 13 31-0459	EA		Weather Proof Single Action Pull Station, Cast Metal, B Lock, SPST (Simplex 2099-9138).....	234.35	46.24
28 46 13 31-0460	EA		Surface Mount Cast Aluminum Box For Exterior Pull Station (Simplex 2975-9211).....	148.20	19.27
<b>28 46 13 31-0461</b>			<b>Heat / Smoke Sensor (28 46 13 31-0403)</b>		
28 46 13 31-0462	EA		32 To 122 Degree F Heat Sensor (Simplex 4098-9733).....	238.50	57.80
28 46 13 31-0463	EA		Photoelectric Smoke Sensor (Simplex 4098-9714).....	340.91	57.80
28 46 13 31-0464	EA		Sensor Base With Relay Driver (Simplex 4098-9791).....	641.28	19.27
28 46 13 31-0465	EA		Standard Sensor Base (Simplex 4098-9792).....	328.23	19.27
28 46 13 31-0466	EA		Remote Supervised Relay Accessory For Sensor Base With Relay Driver (Simplex 2098-9737).....	196.23	38.54
			Note: Relay for 4098-9791		
<b>28 46 13 31-0467</b>			<b>Explosion Proof Heat Detector (28 46 13 31-0403)</b>		
28 46 13 31-0468	EA		135 Degree F Explosion Proof Heat Detector (Simplex 2098-9488).....	251.59	57.80
28 46 13 31-0469	EA		Explosion Proof Backbox (Killark J LX-21).....	159.54	19.27
28 46 13 31-0470	EA		Explosion Proof Backbox Plugs (Killark CUP-2).....	15.10	3.85
<b>28 46 13 31-0471</b>			<b>Weatherproof Heat Detector (28 46 13 31-0403)</b>		
28 46 13 31-0472	EA		194 Degree F Fixed Hardwired Weatherproof Heat Detector (Simplex 2098-9490).....	185.80	57.80
<b>28 46 13 31-0473</b>			<b>200 Degree F Heat Detector (28 46 13 31-0403)</b>		
28 46 13 31-0474	EA		194 Degree F Heat Detector, ROR/Fixed Temperature (Simplex 5604).....	156.38	57.80
			Note: Used in kiln rooms and kitchens.		
<b>28 46 13 31-0475</b>			<b>Duct Smoke Sensor (28 46 13 31-0403)</b>		
28 46 13 31-0476	EA		Duct Sensor Housing (Simplex 4098-9755).....	522.30	30.83
28 46 13 31-0477	EA		Duct Sensor Housing With Supervised Output For Multiple Remote Relays, 4-Wire (Simplex 4098-9756).....	711.27	69.36
			Note: Relay output for AHU shutdown.		
28 46 13 31-0478	EA		46" To 71" Duct Sampling Tube (Simplex 2098-9798).....	82.06	19.27
			Note: 25", 49", 73" or 97" sampling tube length.		
28 46 13 31-0479	EA		Remote Duct Test Station With Key Switch And Red LED Status Indicator (Simplex 2098-9806).....	198.21	57.80
<b>28 46 13 31-0480</b>			<b>Interior Horn (28 46 13 31-0403)</b>		
28 46 13 31-0481	EA		Red With White FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9850).....	184.52	57.80
28 46 13 31-0482	EA		White With Red FIRE Lettering, TrueAlert Addressable Electronic Horn (Simplex 4901-9853).....	184.52	57.80
<b>28 46 13 31-0483</b>			<b>Interior Horn Strobe (28 46 13 31-0403)</b>		
28 46 13 31-0484	EA		75Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9426).....	249.60	57.80
28 46 13 31-0485	EA		110Cd, Wall Mounted Horn Strobe, Red (Simplex 4903-9427).....	249.60	57.80
28 46 13 31-0486	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9127).....	234.75	57.80
28 46 13 31-0487	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9128).....	234.75	57.80
28 46 13 31-0488	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9129).....	234.75	57.80
28 46 13 31-0489	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9130).....	234.75	57.80
28 46 13 31-0490	EA		Weatherproof, Red Housing, White Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9131).....	239.73	57.80
28 46 13 31-0491	EA		Weatherproof, White Housing, Red Lettering, Horn And Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9132).....	239.73	57.80
28 46 13 31-0492	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9139).....	248.48	57.80
28 46 13 31-0493	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9140).....	244.44	57.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0494	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9141) .....	248.48	57.80
28 46 13 31-0495	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9142) .....	244.44	57.80
28 46 13 31-0496	EA		Wall Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9227) .....	234.75	57.80
28 46 13 31-0497	EA		Ceiling Mount, Red Housing, White Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9228) .....	234.75	57.80
28 46 13 31-0498	EA		Wall Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9229) .....	234.75	57.80
28 46 13 31-0499	EA		Ceiling Mount, White Housing, Red Lettering, Horn And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9230) .....	234.75	57.80
<b>28 46 13 31-0500</b>			<b>Interior Strobe</b> (28 46 13 31-0403)		
28 46 13 31-0501	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9101) .....	203.21	57.80
28 46 13 31-0502	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9102) .....	203.21	57.80
28 46 13 31-0503	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9103) .....	203.14	57.80
28 46 13 31-0504	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9104) .....	203.21	57.80
28 46 13 31-0505	EA		Weatherproof, Red Housing, White Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9105) .....	222.07	57.80
28 46 13 31-0506	EA		Weatherproof, White Housing, Red Lettering, Intensity Selectable (15, 60 Or 75 Candela) Multi-Candela Strobe (Simplex 4906-9106) .....	222.07	57.80
28 46 13 31-0507	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9109) .....	223.28	57.80
28 46 13 31-0508	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9110) .....	226.57	57.80
28 46 13 31-0509	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9111) .....	226.57	57.80
28 46 13 31-0510	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (135, 177 Or 185 Candela) Multi-Candela Strobe (Simplex 4906-9112) .....	226.57	57.80
28 46 13 31-0511	EA		Wall Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9201) .....	203.21	57.80
28 46 13 31-0512	EA		Ceiling Mount, Red Housing, White Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9202) .....	203.21	57.80
28 46 13 31-0513	EA		Wall Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9203) .....	203.21	57.80
28 46 13 31-0514	EA		Ceiling Mount, White Housing, Red Lettering, Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Addressable Strobe (Simplex 4906-9204) .....	203.21	57.80
<b>28 46 13 31-0515</b>			<b>Interior Speakers</b> (28 46 13 31-0403)		
28 46 13 31-0516	EA		Red With White FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9716) .....	168.56	57.80
28 46 13 31-0517	EA		White With Red FIRE Lettering, Wall Mount Speaker, Rectangular Housing (Simplex 4902-9717) .....	168.56	57.80
28 46 13 31-0518	EA		Ceiling Or Wall Mount, Round Housing Speaker (Simplex 4902-9721) .....	168.56	57.80
<b>28 46 13 31-0519</b>			<b>Interior Speaker Strobe</b> (28 46 13 31-0403)		
28 46 13 31-0520	EA		Red Housing, White Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9151) .....	264.29	57.80
28 46 13 31-0521	EA		White Housing, Red Lettering, Multi-Tapped Speaker And Intensity Selectable (15, 30, 75 Or 110 Candela) Multi-Candela Strobe (Simplex 4906-9153) .....	264.29	57.80
<b>28 46 13 31-0522</b>			<b>Surge Suppressors</b> (28 46 13 31-0403)		
28 46 13 31-0523	EA		Overvoltage Suppressor (Simplex 2081-9044) .....	163.56	11.56
28 46 13 31-0524	EA		Isolated Loop Circuit Protector (Simplex 2081-9028) .....	105.76	11.56
28 46 13 31-0525	EA		120 Volt AC, 20 Amperes, Multi Stage Hybrid Surge Protector With EMI/RFI Filtering (Ditek 120S20A) .....	346.69	11.56
28 46 13 31-0526	EA		24 Volt AC, Data And Loop Circuit Surge Protector (Ditek DTK-2MHLP24B) .....	120.66	11.56
28 46 13 31-0527	EA		Mounting Base For Two DTK-2MHL (Ditek DTK-2MB) .....	182.35	19.27
28 46 13 31-0528	EA		120 Volt AC, 22,500 Amperes, Equipment Panel/Dedicated Circuit Surge Protector (Ditek DTK-120HW) .....	123.61	11.56
28 46 13 31-0529	EA		<105 Volt AC, 9,000 Amperes, RJ31 Connection, Alarm Dialer Surge Protection (Ditek DTK-MRJ31SCWP) .....	93.83	11.56
<b>28 46 13 31-0530</b>			<b>Boxes And Adapters</b> (28 46 13 31-0403)		
28 46 13 31-0531	EA		Semi-Flush Mount Modular Adapter Using Standard 4" Square Electrical Box (Simplex 4905-9921) .....	84.42	19.27
28 46 13 31-0532	EA		Surface Mount Modular Adapter Using Simplex Box (Simplex 4905-9925) .....	80.26	19.27
28 46 13 31-0533	EA		Red, Surface Mount Adapter Skirt (Simplex 4905-9937) .....	72.08	19.27
28 46 13 31-0534	EA		White, Surface Mount Adapter Skirt (Simplex 4905-9940) .....	60.47	19.27
<b>28 46 13 31-0535</b>			<b>Accessories</b> (28 46 13 31-0403)		
28 46 13 31-0536	EA		End-Of-Line Resistor Harness, 10 k Ohms, 1/2 Watt, Two Required, One Each For Audible And Visible Output (Simplex 4081-9008) .....	43.39	19.27
<b>28 46 13 31-0537</b>			<b>Siemens Fire Alarm</b> (28 46 13 31)		
<b>28 46 13 31-0538</b>			<b>Conventional Control Panels</b> (28 46 13 31-0537)		
<b>28 46 13 31-0539</b>			<b>SXL Batteries And Power Supplies</b> (28 46 13 31-0538)		
28 46 13 31-0540	EA		6 Amperes Notification Appliance Circuit Expander With Built-In Auxiliary Power Output (Siemens PAD-3) .....	1,376.51	77.07

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0541	EA		Main Board Only For PAD-3 (Siemens PAD-3-MB).....	1,112.86	77.07
<b>28 46 13 31-0542</b>			<b>Digital Fire Communicators</b> (28 46 13 31-0538)		
28 46 13 31-0543	EA		Four Channel Digital Slave Fire Communicator (Siemens 5129).....	1,078.11	77.07
<b>28 46 13 31-0544</b>			<b>Addressable Control Panels</b> (28 46 13 31-0537)		
<b>28 46 13 31-0545</b>			<b>Fireseeker Equipment</b> (28 46 13 31-0544)		
<b>28 46 13 31-0546</b>			<b>FS-250 System Panels</b> (28 46 13 31-0545)		
28 46 13 31-0547	EA		FS-250 Electronics Package Including One FS-250-CON And Two FS-NPE, Excludes Enclosure (Siemens FS-250-EKIT).....	3,478.06	770.72
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer.		
28 46 13 31-0548	EA		FS-250 Electronics Package Including One FS-250-CON, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-REL-EKIT).....	4,283.39	770.72
			Note: FS-250-CON is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0549	EA		FS-250-SRX Releasing Electronics Package Including One FS-250-CON2-SRX, Two FS-NPE, One FS-RPT And One FS-REL, Excludes Enclosure (Siemens FS-250-SRX-EKIT).....	2,599.34	616.58
			Note: FS-250-CON2-SRX is an electronics package for releasing water or agent. FS-NPE is a system transformer. FS-RPT is a releasing power transformer. FS-REL is a Releasing Module.		
28 46 13 31-0550	EA		Electronics Package For Releasing Water Or Agent (Siemens FS-250-CON).....	3,482.86	770.72
<b>28 46 13 31-0551</b>			<b>FS-250 Optional Modules</b> (28 46 13 31-0545)		
28 46 13 31-0552	EA		Main Board Module (Siemens FS-MB2).....	1,386.10	77.07
28 46 13 31-0553	EA		Display Board Module (Siemens FS-DB2).....	1,074.14	38.54
28 46 13 31-0554	EA		Device Loop Card (Siemens FS-DLC).....	882.39	38.54
28 46 13 31-0555	EA		Releasing Module (Siemens FS-REL).....	398.24	38.54
28 46 13 31-0556	EA		Remote LCD Annunciator (Siemens FS-RD2).....	876.40	38.54
28 46 13 31-0557	EA		Relay Processor Card (Siemens FS-RU2).....	762.55	38.54
28 46 13 31-0558	EA		Relay Expander Board (Siemens FS-RE8).....	652.30	38.54
28 46 13 31-0559	EA		Serial Annunciator Processor Card (Siemens FS-SAU2).....	876.40	38.54
28 46 13 31-0560	EA		16 Output Annunciator Extender (Siemens FS-SAE16).....	685.86	38.54
28 46 13 31-0561	EA		Digital Alarm Communication Transmitter (Siemens FS-DACT).....	624.74	38.54
28 46 13 31-0562	EA		Municipal Tie Module (Siemens FS-MT).....	532.46	38.54
28 46 13 31-0563	EA		Configuration Tool Including Laptop To FS-250 Cable And Software (Siemens FS-CT2).....	498.08	
28 46 13 31-0564	EA		Programming Cable Kit (Siemens CBL-UD).....	130.82	19.27
28 46 13 31-0565	EA		Notification Appliance Circuit Power Expander Transformer (Siemens FS-NPE).....	236.46	38.54
28 46 13 31-0566	EA		Releasing Power Transformer (Siemens FS-RPT-A).....	240.05	38.54
28 46 13 31-0567	EA		Surface Mounted Box For Remote LCD Annunciator (Siemens FS-RD-SB).....	267.78	30.83
28 46 13 31-0568	EA		Cabinet Trim Kit (Siemens RD-CAB-TK).....	426.82	19.27
<b>28 46 13 31-0569</b>			<b>Firefinder Systems</b> (28 46 13 31-0544)		
<b>28 46 13 31-0570</b>			<b>XLS Basic Fire System Packages Without Backbox</b> (28 46 13 31-0569)		
28 46 13 31-0571	EA		500 Point Firefinder Package Including Two DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-500-ID-SP).....	11,894.74	770.72
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0572	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-ID-SP).....	10,526.16	770.72
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0573	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, One PSC-12 And One ID-SP (Siemens XLS-250-INT-ID-SP).....	10,526.16	770.72
			Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. ID-SP is an inner door blank single plate.		
28 46 13 31-0574	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB2-BD And One OD-LP (Siemens XLS-250-CAB2-BD).....	17,328.28	770.72
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB2-BD is a two row inner and outer door set. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0575	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, One PSC-12, One CAB3-BD, One BCL, One ID-SP And One OD-LP (Siemens XLS-250-CAB3-BD).....	17,896.32	770.72
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module. CAB3-BD is a three row inner and outer door set. ID-SP is an inner door blank single plate. OD-LP is an outer door clear plastic lens plate.		
28 46 13 31-0576	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-EP).....	10,388.35	770.72
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0577	EA		250 Point Firefinder Package Including One DLC, One PMI-INT, One ZIC-4A, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC4A-INT-EP).....	10,388.35	770.72
			Note: DLC is a device loop card. PMI-INT is a person machine interface with multilingual overlays. ZIC-4A is a four circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		
28 46 13 31-0578	EA		250 Point Firefinder Package Including One DLC, One PMI, One ZIC-8B, One CC-5, And One PSC-12 (Siemens XLS-250-ZIC8B-EP).....	11,989.41	770.72
			Note: DLC is a device loop card. PMI is a person machine interface. ZIC-8B is an eight circuit zone indicating card. CC-5 is a five slot card cage. PSC-12 is a 12 Amp power supply charger module.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>28 46 13 31-0579</b>			<b>Firefinder - XLS Basic System Equipment</b> (28 46 13 31-0569)		
28 46 13 31-0580	EA		Person Machine Interface With Central Processor (Siemens PMI)..... Note: Includes inner door.	5,535.72	770.72
28 46 13 31-0581	EA		Person Machine Interface With Central Processor, DE-2 And DPU (Siemens PMI-DPU-ENC)..... Note: Includes inner door.	9,072.20	770.72
28 46 13 31-0582	EA		Person Machine Interface With Multilingual Overlays And Central Processor (Siemens PMI-INT)..... Note: Includes inner door.	5,535.72	770.72
28 46 13 31-0583	EA		Two Slot Card Cage (Siemens CC-2).....	671.48	38.54
28 46 13 31-0584	EA		Five Slot Card Cage (Siemens CC-5).....	1,128.07	38.54
28 46 13 31-0585	EA		Four Circuit Zone Indicating Card (Siemens ZIC-4A).....	1,607.43	38.54
28 46 13 31-0586	EA		Eight Circuit Zone Indicating Card (Siemens ZIC-8B).....	1,678.13	38.54
28 46 13 31-0587	EA		Two Channel Adapter Card For ZIC-8B (Siemens ZIC-2C).....	537.26	38.54
28 46 13 31-0588	EA		Device Loop Card (Siemens DLC)..... Note: Interfaces with up to 252 detectors and devices.	1,903.43	38.54
28 46 13 31-0589	EA		Controllable Relay Card (Siemens CRC-6)..... Note: Provides six programmable relays.	1,082.53	38.54
28 46 13 31-0590	EA		12 Amperes Power Supply Charger Module (Siemens PSC-12).....	4,071.34	38.54
28 46 13 31-0591	EA		Person Machine Interface With Central Processor And GPMI-UK Software Upgrade Kit (Siemens GPMI)..... Note: Software kit provides interface with multiple FireFinder XLS and MXL systems.	7,134.38	770.72
28 46 13 31-0592	EA		Network Interface Card (Siemens NIC-C)..... Note: Provides HNET Or XNET communication between enclosures.	1,264.68	38.54
28 46 13 31-0593	EA		12 Amperes Power Supply Extender (Siemens PSX-12)..... Note: Extends PSC-12 with an additional 24 volt DC.	3,388.25	38.54
28 46 13 31-0594	EA		Power Termination Board (Siemens PTB)..... Note: Used with systems requiring more than one PSX-12.	580.40	38.54
28 46 13 31-0595	EA		Conventional Detector Card (Siemens CDC-4).....	1,219.15	38.54
28 46 13 31-0596	EA		Multi-Mode Network Fiber Optic Interface Module (Siemens D2300CPS).....	2,378.00	38.54
28 46 13 31-0597	EA		Single-Mode Network Fiber Optic Interface Module (Siemens D2325CPS).....	8,523.39	38.54
<b>28 46 13 31-0598</b>			<b>Remote Lobby Enclosure</b> (28 46 13 31-0569)		
28 46 13 31-0599	EA		14-1/2" x 18-1/2" x 5" Two Module Remote Enclosure (Siemens REMBOX2)..... Note: Flush mounted. Includes clear lens plate on cover.	1,610.95	154.14
28 46 13 31-0600	EA		24" x 18-1/2" x 5" Four Module Remote Enclosure (Siemens REMBOX4)..... Note: Flush mounted. Includes clear lens plate on cover.	2,066.34	154.14
28 46 13 31-0601	EA		Optional Mounting Plate For REMBOX2 (Siemens REMBOX2-MP)..... Note: Required to mount up to four SIM-16 or OCM-16 modules.	260.43	38.54
28 46 13 31-0602	EA		Optional Mounting Plate For REMBOX4 (Siemens REMBOX4-MP)..... Note: Required to mount up to eight SIM-16 or OCM-16 modules.	283.19	38.54
<b>28 46 13 31-0603</b>			<b>Battery Enclosures</b> (28 46 13 31-0569)		
28 46 13 31-0604	EA		Enclosure For 100 Ampere Hours Batteries (Siemens CAB-BATT).....	1,016.54	154.14
<b>28 46 13 31-0605</b>			<b>Graphic Annunciator Output Drivers And Inputs</b> (28 46 13 31-0569)		
28 46 13 31-0606	EA		Output Control Module (Siemens OCM-16).....	785.32	38.54
28 46 13 31-0607	EA		Supervised Input Module (Siemens SIM-16).....	785.32	38.54
<b>28 46 13 31-0608</b>			<b>Remote LCD Displays</b> (28 46 13 31-0569)		
28 46 13 31-0609	EA		Remote LED/LCD System Status Display (Siemens SSD)..... Note: No control or menu capability.	1,828.68	115.61
28 46 13 31-0610	EA		Remote LED/LCD System Status Display, Buttons To Acknowledge Events, Silence Audible Circuits And Resetting (Siemens SSD-C).....	2,057.57	115.61
<b>28 46 13 31-0611</b>			<b>Voice Equipment</b> (28 46 13 31-0569)		
28 46 13 31-0612	EA		40 Watts Zone Amplifier Card (Siemens ZAC-40).....	1,793.18	38.54
28 46 13 31-0613	EA		180 Watts Zone Amplifier Module (Siemens ZAM-180).....	3,958.69	38.54
28 46 13 31-0614	EA		Live Voice Module (Siemens LVM)..... Note: Includes a dynamic microphone with a push-to-talk switch and ready-to-page indicator light, as well as a small local speaker and volume control for monitoring audio signals.	1,674.54	38.54
<b>28 46 13 31-0615</b>			<b>MXL Series Equipment</b> (28 46 13 31-0544)		
<b>28 46 13 31-0616</b>			<b>MXL Optional Equipment</b> (28 46 13 31-0615)		
28 46 13 31-0617	EA		Two Circuit Analog Loop Driver (Siemens ALD-2I).....	1,942.15	77.07
28 46 13 31-0618	EA		CXL/MXL Interface Module (Siemens CMI-300).....	4,966.54	38.54
28 46 13 31-0619	EA		Four Relay Programmable Relay Module (Siemens CRM-4).....	863.22	38.54
28 46 13 31-0620	EA		Two Circuit Controllable Signal/Releasing Module (Siemens CSM-4).....	1,039.39	38.54
28 46 13 31-0621	EA		Remote Conventional Zone Module (Siemens CZM-1B6).....	399.44	38.54
28 46 13 31-0622	EA		Short Circuit Line Isolator Module (Siemens Model LIM-1).....	252.04	38.54
28 46 13 31-0623	EA		Four Circuit Conventional Zone Module (Siemens CZM-4).....	1,011.82	38.54
28 46 13 31-0624	EA		12" x 16" x 3" Enclosure For PAD-3 (Siemens EN-PAD).....	379.26	57.80
28 46 13 31-0625	EA		Lexan Window For RCC (Siemens GENBOX-WD).....	254.60	30.83
28 46 13 31-0626	EA		Input Driver Module (Siemens MID-16).....	667.88	38.54
28 46 13 31-0627	EA		Programmable Output Driver Module (Siemens MOD-16).....	667.88	38.54
28 46 13 31-0628	EA		MXL Output/Input Module (Siemens MOI-7).....	1,060.96	38.54
28 46 13 31-0629	EA		Two Slot Network Option Module Card Cage (Siemens MOM-2).....	570.81	38.54
28 46 13 31-0630	EA		Four Slot Network Option Module Card Cage (Siemens MOM-4).....	890.78	38.54
28 46 13 31-0631	EA		12 Amperes, 220 Volt AC, Power Supply For MXL (Siemens MPS-12/220).....	2,197.78	115.61
28 46 13 31-0632	EA		12 Amperes, 240 Volt AC, Power Supply For MXL (Siemens MPS-12/240).....	2,197.78	115.61
28 46 13 31-0633	EA		Network Interface Module (Siemens NIM-1W).....	1,576.27	38.54

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

28 46 13 31-0634	EA	U.L. Listed Parallel Printer (Siemens PAL-1).....	4,143.17	154.14
28 46 13 31-0635	EA	Peripheral Interface Module, Model PIM-1 (Siemens 500-691324).....	471.34	38.54
28 46 13 31-0636	EA	Surface Mounted Remote Command Center (Siemens RCC-1).....	4,735.19	770.72
28 46 13 31-0637	EA	Enclosure And Door With Lens For RCC-1 (Siemens RCC-1DL).....	577.18	77.07
28 46 13 31-0638	EA	Flush Mounted Remote Command Center (Siemens RCC-1F).....	4,735.19	770.72
28 46 13 31-0639	EA	Enclosure And Door With Lens For RCC-1F (Siemens RCC-1FDL).....	591.56	77.07
28 46 13 31-0640	EA	Remote Control Center With System Control Functions And Sequential Event Display (Siemens RCC-2).....	3,698.57	770.72
28 46 13 31-0641	EA	MXL/MXLV Remote Annunciator/Keyboard With Enhanced Display (Siemens RCC-3).....	5,411.08	770.72
28 46 13 31-0642	EA	RCC-2/RSE-1 Trim Ring (Siemens RCF-1).....	92.47	19.27
28 46 13 31-0643	EA	Remote Diagnostics Module For MXL (Siemens RDM-MXL).....	6,385.82	77.07
28 46 13 31-0644	EA	Remote Diagnostics Module For PC (Siemens RDM-PC).....	13,572.62	77.07
28 46 13 31-0645	EA	Releasing End Of Line Module (Siemens REL-EOL).....	207.70	38.54
28 46 13 31-0646	EA	36 Zone Tabular Graphic Annunciator With Restart System Key (Siemens RSA-MBSC).....	4,081.30	77.07
28 46 13 31-0647	EA	36 Zone Tabular Graphic Annunciator (Siemens RSA-MBTL).....	3,897.94	77.07
28 46 13 31-0648	EA	8-3/8" x 6-1/4" Remote Control Enclosure (Siemens RSE-1).....	2,107.09	154.14
<b>28 46 13 31-0649</b>		<b>Complete MXL And MXLV System Packages Without Enclosure (28 46 13 31-0615)</b>		
28 46 13 31-0650	EA	MXL System Electronics Package Including One MMB-3, One Display/Control Keyboard, One MDL-1, One MKB-2, One Mps-6, One MOM-2, One ALD-2I And One PIM-1 (Siemens MXL-SS-EP).....	15,364.10	770.72
		Note: MMB-3 is a MXL/MXLV main control board. MDL-1 is a clear lens. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. MOM-2 is a two slot network option module card cage. ALD-2I is a two circuit analog loop driver. PIM-1 is a peripheral interface module.		
28 46 13 31-0651	EA	MXL Voice System Electronics Package Including One MMB-3, One MKB-2, One MPS-6, One ACM-1, One TBM-2, One MMM-1, One OMM-2, One ZAC-30, One OCC-1, One MHD-5, One VSM-1 And Four VSB-1 (Siemens MXLV-SS-EP).....	19,855.71	770.72
		Note: MMB-3 is a MXL/MXLV main control board. MKB-2 is a MXL/MXLV display/keyboard module with hinged frame. MPS-6 is a 6 Amp power supply for MXL. ACM-1 is an audio control module. TBM-2 is a voice terminal module. MMM-1 is a master microphone module. OMM-2 is a two half width slot card cage. ZAC-30 is a MXLV zone amplifier card. OCC-1 is a MXLV output control card. MHD-5 is a deadfront panel for MSE-2 backbox. VSM-1 is an eight switch module. VSB-1 is a module blank with overlay.		
28 46 13 31-0652	EA	MXLV Demonstration Panel (Siemens MXLV DEMO).....	40,832.50	770.72
<b>28 46 13 31-0653</b>		<b>MXL Basic System (28 46 13 31-0615)</b>		
28 46 13 31-0654	EA	MXL/MXLV Main Control Board (Siemens MMB-3).....	9,712.45	770.72
28 46 13 31-0655	EA	MXL System Electronics Package Including One MMB-3, One DE-2 And One DPU (Siemens MMB-DPU-ENCL).....	12,395.67	770.72
		Note: MMB-3 is a MXL/MXLV main control board. DE-2 is an enclosure for document storage. DPU is a handheld device programming and testing unit.		
28 46 13 31-0656	EA	MXL/MXLV Display/Keyboard Module With Hinged Frame (Siemens MKB-2).....	3,446.14	77.07
28 46 13 31-0657	EA	MXL/MXLV Keyboard With Enhanced Display With Hinged Frame (Siemens MKB-5).....	4,311.39	77.07
28 46 13 31-0658	EA	6 Amperes Power Supply For MXL (Siemens MPS-6).....	1,525.48	115.61
28 46 13 31-0659	EA	220/240 Volt AC Adapter Cable (Siemens CIA-12).....	116.44	19.27
<b>28 46 13 31-0660</b>		<b>MXL/MXLV System Expansion Accessories (28 46 13 31-0615)</b>		
28 46 13 31-0661	EA	MXL Remote Power Supply Module (Siemens PSR-1).....	1,864.63	115.61
28 46 13 31-0662	EA	Style 4 Communication Module (Siemens NET-4).....	387.46	38.54
28 46 13 31-0663	EA	Style 7 Communication Module (Siemens NET-7).....	695.44	38.54
28 46 13 31-0664	EA	MXL/MXLV-IQ/MXLV Intelligent Control Point, B6 Chip (Siemens ICP-B6).....	422.21	38.54
<b>28 46 13 31-0665</b>		<b>Peripheral Devices (28 46 13 31-0544)</b>		
<b>28 46 13 31-0666</b>		<b>Thermal Detectors (28 46 13 31-0665)</b>		
28 46 13 31-0667	EA	Rate Of Rise And 135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135R).....	174.33	57.80
28 46 13 31-0668	EA	Rate Of Rise And 200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200R).....	174.33	57.80
28 46 13 31-0669	EA	135 Degree F Fixed Temperature Thermal Detector (Siemens DT-135F).....	174.33	57.80
28 46 13 31-0670	EA	200 Degree F Fixed Temperature Thermal Detector (Siemens DT-200F).....	174.33	57.80
28 46 13 31-0671	EA	Weatherproof 135 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-135WP).....	264.21	57.80
28 46 13 31-0672	EA	Weatherproof 200 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-200WP).....	264.21	57.80
28 46 13 31-0673	EA	Explosion Proof 190 Degree F Rate Compensation/Fixed Temperature Thermal Detector (Siemens DT-190EP).....	627.33	57.80
<b>28 46 13 31-0674</b>		<b>Beam Smoke Detector (28 46 13 31-0665)</b>		
28 46 13 31-0675	EA	Linear Beam Smoke Detector (Siemens PBA-1191).....	2,917.16	57.80
28 46 13 31-0676	EA	Base For Linear Beam Smoke Detector (Siemens PBB-1191).....	335.74	19.27
28 46 13 31-0677	EA	20cm x 20cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1192).....	339.34	19.27
28 46 13 31-0678	EA	10cm x 10cm Flat Reflector For Linear Beam Smoke Detector (Siemens PBR-1193).....	176.36	19.27
<b>28 46 13 31-0679</b>		<b>Bases For Detectors (28 46 13 31-0665)</b>		
28 46 13 31-0680	EA	Detector Base (Siemens DB-11).....	56.52	19.27
28 46 13 31-0681	EA	Universal Base (Siemens DB-3S).....	52.92	19.27
<b>28 46 13 31-0682</b>		<b>Manual Stations (28 46 13 31-0665)</b>		
28 46 13 31-0683	EA	Weatherproof Metal Manual Pull Station With Key (Siemens MSM-K-WP).....	378.91	46.24
<b>28 46 13 31-0684</b>		<b>Addressable Devices (28 46 13 31-0544)</b>		
<b>28 46 13 31-0685</b>		<b>Intelligent Detectors And Devices For Firefinder XLS And FS-250 (28 46 13 31-0664)</b>		
28 46 13 31-0686	EA	Addressable Fireprint Fire Detector (Siemens HFP-11).....	321.73	57.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0687	EA		Addressable Thermal Fire Detector (Siemens HFPT-11) .....	279.79	57.80
28 46 13 31-0688	EA		Relay Base For H-Series Intelligent Detectors (Siemens DB-HR) .....	230.66	57.80
28 46 13 31-0689	EA		Ceiling Mounted Remote Alarm Indicator (Siemens RL-HC) .....	159.95	57.80
28 46 13 31-0690	EA		Wall Mounted Remote Alarm Indicator (Siemens RL-HW) .....	159.95	57.80
28 46 13 31-0691	EA		Addressable Single Action Manual Pull Station (Siemens HMS-S) .....	329.93	38.54
28 46 13 31-0692	EA		Addressable Double Action Manual Pull Station (Siemens HMS-D) .....	315.55	38.54
28 46 13 31-0693	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-S) .....	252.04	38.54
28 46 13 31-0694	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens HTRI-D) .....	305.96	38.54
28 46 13 31-0695	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens HTRI-R) .....	305.96	38.54
28 46 13 31-0696	EA		Mini Single Input Intelligent Initiating Devices Interface Module (Siemens HTRI-M) .....	234.06	38.54
28 46 13 31-0697	EA		Line Isolator Module (Siemens HLIM) .....	241.25	38.54
28 46 13 31-0698	EA		Remote Convention Zone Module (Siemens HZM) .....	351.50	38.54
28 46 13 31-0699	EA		Intelligent Control Point Module (Siemens HCP) .....	442.58	38.54
28 46 13 31-0700	EA		Handheld Programming And Testing Unit (Siemens DPU) .....	1,908.04	
28 46 13 31-0701	EA		DPU Carrying Case (Siemens DPU-C1) .....	296.36	
28 46 13 31-0702	EA		Label Printer And Carrying Case (Siemens DPU-PR1) .....	3,269.61	38.54
<b>28 46 13 31-0703 Air Duct Housings And Detectors (28 46 13 31-0684)</b>					
28 46 13 31-0704	EA		Air-Duct Housing (Siemens AD2-P) .....	357.66	30.83
28 46 13 31-0705	EA		Air-Duct Housing With Relay (Siemens AD2-XHR) .....	403.20	30.83
28 46 13 31-0706	EA		Weatherproof Enclosure For Duct Housing (Siemens WP-2000) .....	327.54	38.54
28 46 13 31-0707	EA		6" To 1' Duct Sampling Tube (Siemens ST-10) .....	47.09	11.56
28 46 13 31-0708	EA		>1' To 3' Duct Sampling Tube (Siemens ST-25) .....	58.39	15.41
28 46 13 31-0709	EA		>3' To 5' Duct Sampling Tube (Siemens ST-50) .....	73.29	19.27
28 46 13 31-0710	EA		>5' To 10' Duct Sampling Tube (Siemens ST-100) .....	85.79	23.12
<b>28 46 13 31-0711 Intelligent Initiating Devices For MXL, MXL-LQ And MXLV (28 46 13 31-0684)</b>					
28 46 13 31-0712	EA		Addressable Fireprint Fire Detector (Siemens FP-11) .....	334.92	57.80
28 46 13 31-0713	EA		Addressable Thermal Fire Detector (Siemens FPT-11) .....	290.58	57.80
28 46 13 31-0714	EA		Intelligent Ionization Smoke Detector (Siemens ILI-1) .....	368.47	57.80
28 46 13 31-0715	EA		Addressable Single Action Manual Pull Station (Siemens MSI-10B) .....	321.54	38.54
28 46 13 31-0716	EA		Addressable Double Action Manual Pull Station (Siemens MSI-20B) .....	353.90	38.54
28 46 13 31-0717	EA		Single Input Intelligent Initiating Devices Interface Module (Siemens TRI-S) .....	325.14	38.54
28 46 13 31-0718	EA		Dual Input Intelligent Initiating Devices Interface Module (Siemens TRI-D) .....	358.69	38.54
28 46 13 31-0719	EA		Single Input Intelligent Initiating Devices Interface Module With Relay (Siemens TRI-R) .....	358.69	38.54
<b>28 46 13 31-0720 Detector Universal Bases (28 46 13 31-0684)</b>					
28 46 13 31-0721	EA		Detector Base With Relay (Siemens DB-X11RS) .....	152.39	19.27
28 46 13 31-0722	EA		PE-11 To DB-3 Base Adapter (Siemens DB-ADPT) .....	80.48	19.27
28 46 13 31-0723	EA		Locking Kit (Siemens LK-11) .....	16.37	
28 46 13 31-0724	EA		Detector Base With Relay (Siemens DB-X3RS) .....	152.39	19.27
28 46 13 31-0725	EA		Audible Base For Addressable Fireprint Fire Detector (Siemens ADBX-11) .....	176.36	19.27
28 46 13 31-0726	EA		Retrofit Adapter Box For Audible Bases Ionization Detector Air Duct (Siemens ADB-BOX) .....	76.89	19.27
28 46 13 31-0727	EA		Flush Trim Ring For Bases (Siemens RA-ADB) .....	37.50	11.56
28 46 13 31-0728	EA		Seal For DB-11 (Siemens DB11-SEAL) .....	19.25	
28 46 13 31-0729	EA		Gasket For DB-11 (Siemens DB-SEAL) .....	20.84	
28 46 13 31-0730	EA		Detector Guard Housing (Siemens DGH-11) .....	220.70	19.27
28 46 13 31-0731	EA		Small Detector Base (Siemens DB-11E) .....	61.31	19.27
28 46 13 31-0732	EA		Audible Base For Series 3 (Siemens ADBI-60A) .....	197.93	19.27
28 46 13 31-0733	EA		Base Plug (Siemens DB-11-DP) .....	16.32	
<b>28 46 13 31-0734 Air Duct Smoke Detectors (28 46 13 31-0684)</b>					
28 46 13 31-0735	EA		Intelligent Remote Duct Relay Module (Siemens DA-X3SR) .....	174.14	38.54
28 46 13 31-0736	EA		Weatherproof Enclosure For Duct Housing (Siemens EAD-3) .....	852.43	38.54
<b>28 46 13 31-0737 Notification Devices (28 46 13 31-0544)</b>					
<b>28 46 13 31-0738 Synchronization Control Devices (28 46 13 31-0737)</b>					
28 46 13 31-0739	EA		Dual Synchronization Control Module (Siemens DSC) .....	252.04	38.54
<b>28 46 13 31-0740 Stand Alone Strobes (28 46 13 31-0737)</b>					
28 46 13 31-0741	EA		Wall Mounted Multi-Candela Strobe (Siemens ZR-MC-R) .....	217.47	57.80
28 46 13 31-0742	EA		Wall Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-R) .....	235.45	57.80
28 46 13 31-0743	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ZR-MC-CR) .....	217.47	57.80
28 46 13 31-0744	EA		Ceiling Mounted High, Multi-Candela Strobe (Siemens ZR-HMC-CR) .....	235.45	57.80
28 46 13 31-0745	EA		Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CW) .....	235.45	57.80
28 46 13 31-0746	EA		Ceiling Mounted Multi-Candela Strobe (Siemens ST-MC-CW) .....	217.47	57.80
28 46 13 31-0747	EA		Retrofit Plate Multi-Candela Strobe (Siemens ST-MC-RETRO-R) .....	248.63	57.80
28 46 13 31-0748	EA		Weatherproof Ceiling Mounted Strobe (Siemens ST-75-CR-WP) .....	239.05	57.80
28 46 13 31-0749	EA		Weatherproof Wall Mounted Strobe (Siemens ST-75-R-WP) .....	239.05	57.80
28 46 13 31-0750	EA		Weatherproof Ceiling Mounted High Multi-Candela Strobe (Siemens ST-HMC-CR-WP) .....	254.62	57.80
28 46 13 31-0751	EA		Weatherproof Wall Mounted High Multi-Candela Strobe (Siemens ST-HMC-R-WP) .....	254.62	57.80
<b>28 46 13 31-0752 Horns And Strobes (28 46 13 31-0737)</b>					
28 46 13 31-0753	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-R) .....	288.18	57.80
28 46 13 31-0754	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-R) .....	303.76	57.80
28 46 13 31-0755	EA		Wall Mounted Horn (Siemens SE-R) .....	174.33	57.80

**28 Electronic Safety and Security**

**28 40 Life Safety**

**28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0756	EA		Ceiling Mounted Multi-Candela Horn/Strobe (Siemens SE-MC-CR) .....	288.18	57.80
28 46 13 31-0757	EA		Ceiling Mounted High Multi-Candela Horn/Strobe (Siemens SE-HMC-CR).....	303.76	57.80
28 46 13 31-0758	EA		Ceiling Mounted Horn (Siemens SEC-R).....	181.52	57.80
28 46 13 31-0759	EA		Wall Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-R) .....	288.18	57.80
28 46 13 31-0760	EA		Wall Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-R) .....	303.76	57.80
28 46 13 31-0761	EA		Wall Mounted Low Profile Horn (Siemens SEF-R) .....	174.33	57.80
28 46 13 31-0762	EA		Ceiling Mounted Low Profile Multi-Candela Horn/Strobe (Siemens SEF-MC-CW).....	288.18	57.80
28 46 13 31-0763	EA		Ceiling Mounted Low Profile High Multi-Candela Horn/Strobe (Siemens SEF-HMC-CW).....	303.76	57.80
28 46 13 31-0764	EA		Ceiling Mounted Low Profile Horn (Siemens SEF-CR).....	181.52	57.80
28 46 13 31-0765	EA		Mini Horn (Siemens MH-R).....	147.97	57.80
28 46 13 31-0766	EA		Indoor/Outdoor Multi Tone Horn (Siemens MTH-R) .....	183.92	57.80
28 46 13 31-0767	EA		Indoor/Outdoor Multi Tone, Multi-Candela Horn/Strobe (Siemens MTH-MC-R) .....	272.60	57.80
28 46 13 31-0768	EA		Industrial Tri-Tone Horn (Siemens ASR) .....	744.77	57.80
28 46 13 31-0769	EA		Wall Mounted Horn (Siemens HS-R) .....	183.92	57.80
28 46 13 31-0770	EA		Wall Mounted Multi-Candela Horn/Strobe (Siemens HS-MC-R).....	273.80	57.80
28 46 13 31-0771	EA		Wall Mounted High Multi-Candela Horn/Strobe (Siemens HS-HMC-R).....	292.97	57.80
28 46 13 31-0772	EA		6" Motor Bell (Siemens MBDC-6) .....	207.89	57.80
28 46 13 31-0773	EA		10" Motor Bell (Siemens MBDC-10) .....	225.86	57.80
<b>28 46 13 31-0774</b>			<b>Mounting Accessories (28 46 13 31-0737)</b>		
28 46 13 31-0775	EA		Concealed Conduit Adapter Plate (Siemens APS-R) .....	52.92	19.27
28 46 13 31-0776	EA		4" x 1-1/2" Surface Mounted Back Box (Siemens BBBS-R).....	52.92	19.27
28 46 13 31-0777	EA		4" x 2-1/8" Surface Mounted Back Box (Siemens DBBS-R) .....	54.12	19.27
28 46 13 31-0778	EA		Red Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX).....	82.88	19.27
28 46 13 31-0779	EA		White Weatherproof Surface Mount Backbox (Siemens MT-SUR-BOX-W).....	67.30	19.27
28 46 13 31-0780	EA		Surface Mounted Speaker Backbox (Siemens SBBS-R).....	70.90	19.27
28 46 13 31-0781	EA		Surface Mounted Speaker Backbox (Siemens SBL2S-R) .....	75.69	19.27
28 46 13 31-0782	EA		Square Semi-Flush Extension Ring (Siemens SERS-R) .....	61.31	19.27
28 46 13 31-0783	EA		Semi-Flush Plate (Siemens SFPS-R) .....	51.72	19.27
28 46 13 31-0784	EA		Square Surface Backbox (Siemens SHBBS-R) .....	61.31	19.27
28 46 13 31-0785	EA		Horn Adapter Plate (Siemens SHMPS-R).....	58.91	19.27
28 46 13 31-0786	EA		Ceiling Speaker Extension Ring (Siemens SPEXT-R).....	52.92	19.27
28 46 13 31-0787	EA		Wall Mounted Surface Mounted Speaker Backbox (Siemens SPSB-R).....	67.30	19.27
28 46 13 31-0788	EA		Wall Mounted Surface Mounted Speaker/Strobe Backbox (Siemens SPSSB-R) .....	70.90	19.27
28 46 13 31-0789	EA		Weatherproof Speaker Backbox (Siemens WBBS-R) .....	68.50	19.27
28 46 13 31-0790	EA		Weatherproof Speaker Backbox With 3/4" Knockout (Siemens WBBS-R-3/4T-3/4B) .....	75.69	19.27
28 46 13 31-0791	EA		Weatherproof Flush Plate (Siemens WFPAS-R) .....	75.69	19.27
28 46 13 31-0792	EA		Weatherproof Horn Flush Plate (Siemens WFPS-R).....	75.69	19.27
28 46 13 31-0793	EA		Weatherproof Horn Backbox (Siemens WPBBS-R).....	70.90	19.27
28 46 13 31-0794	EA		Weatherproof Strobe Backbox (Siemens WPSBBS-R) .....	70.90	19.27
28 46 13 31-0795	EA		Surface Mounted Weatherproof Backbox Kit (Siemens WPS-KIT).....	52.92	19.27
28 46 13 31-0796	EA		Z Series Backbox (Siemens ZBB-R).....	58.91	19.27
<b>28 46 13 31-0797</b>			<b>Door Holders (28 46 13 31-0737)</b>		
28 46 13 31-0798	EA		120 Volt AC Concealed Wiring Fire Door Holder (Siemens SDH-2A).....	424.80	57.80
28 46 13 31-0799	EA		24 Volt DC Concealed Wiring Fire Door Holder (Siemens SDH-2D) .....	424.80	57.80
<b>28 46 13 31-0800</b>			<b>Voice Equipment (28 46 13 31-0544)</b>		
<b>28 46 13 31-0801</b>			<b>Voicecom (28 46 13 31-0800)</b>		
28 46 13 31-0802	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone And Enclosure With Deadfront And Space For Five Modules (Siemens VOICECOM) .....	6,472.87	770.72
28 46 13 31-0803	EA		Emergency Voice Alarm Communication System, 3.5 Amp Power Supply And Battery Charger, Two 50W Amplifier, Battery Cables, Main Control Board With One Speaker Circuit, Paging Microphone, Enclosure With Deadfront And Space For 11 Modules, Auxiliary Power Supply, Four PS-AUX Strobe Zone Cables And One AM-25-50 Speaker Zone Cables (Siemens VOICECOM-L).....	10,127.99	770.72
<b>28 46 13 31-0804</b>			<b>Honeywell Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-0805</b>			<b>Notifier Fire Alarm (28 46 13 31-0804)</b>		
<b>28 46 13 31-0806</b>			<b>Fire Alarm Control Panel And Accessories (28 46 13 31-0805)</b>		
28 46 13 31-0807	EA		Surface Back Box For NBG-12LRA (Notifier SBA-10) .....	64.85	19.27
28 46 13 31-0808	EA		Up To 50 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-50X).....	2,738.63	770.72
28 46 13 31-0809	EA		Up To 198 Addressable Devices Supported, Addressable Fire Alarm Control Panel (Notifier NFW-100X).....	4,023.94	770.72
28 46 13 31-0810	EA		NFS2-3030 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-3030D) .....	5,987.41	770.72
28 46 13 31-0811	EA		NFS2-640 CPU For Intelligent Fire Alarm Control Panel (Notifier CPU2-640).....	5,145.44	770.72
28 46 13 31-0812	EA		Central Processing Unit for NFS2-640 With Integral 240 Volt Power Supply Includes Chassis (Notifier CPU2-640E).....	5,293.41	770.72
28 46 13 31-0813	EA		Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320).....	5,977.50	770.72
28 46 13 31-0814	EA		Supports Installation Of Optional ACM-Series Annunciator In Same Cabinet, Black, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320C).....	6,750.26	770.72
28 46 13 31-0815	EA		Black, 240 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320E) .....	6,591.89	770.72
28 46 13 31-0816	EA		Red, 120 Volt AC, Intelligent Fire Alarm Control Panel (Notifier NFS-320R) .....	6,440.67	770.72
28 46 13 31-0817	EA		Two-Tone Sequential Module (Notifier 2TTM) .....	409.28	38.54
28 46 13 31-0818	EA		5', Not Low Loss, Antenna Cable (Notifier 7626-5C) .....	102.33	7.71
28 46 13 31-0819	EA		25', Low Loss, Antenna Cable (Notifier 7626-25HC) .....	196.34	15.41
28 46 13 31-0820	EA		50', Low Loss, Antenna Cable (Notifier 7626-50HC) .....	298.07	23.12
28 46 13 31-0821	EA		IPGSM-COM, IPGSM-COMa Handheld Programmer (Notifier 7720P).....	461.99	
28 46 13 31-0822	EA		RJ45-DB9F Serial Programming Cable (Notifier ALMSC-119).....	65.32	
28 46 13 31-0823	EA		120 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYS).....	6,321.60	770.72



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0824	EA		240 Volt AC Power Supply, Chassis, 80-Character Display, Keypad, NFS-320SYS CPU (Notifier CPU-320SYSE).....	6,379.95	770.72
28 46 13 31-0825	EA		3 dB Gain External/Remote Antenna (Notifier GSM-ANT3dB).....	249.98	7.71
28 46 13 31-0826	EA		Plug In Transformer Box For IPGSM Communicator (Notifier HPTCOVER).....	78.52	7.71
28 46 13 31-0827	EA		Mounting Bracket Kit For SFB-5UD, SFB-10UD, NFW2-100 And NFW-50 (Notifier IPBRKT).....	112.69	15.41
28 46 13 31-0828	EA		Chassis To Mount IP Communicator In CHSA Series Chassis (Notifier IPCHSKIT).....	112.36	19.27
28 46 13 31-0829	EA		IP Communicator (Notifier IPDACT-2).....	815.30	38.54
28 46 13 31-0830	EA		IP Communicator With Upload/Download Capability (Notifier IPDACT-2UD).....	943.90	38.54
28 46 13 31-0831	EA		Red, IP Communicator External Mounting Enclosure (Notifier IPENC).....	229.48	38.54
			Note: Includes IPBRKT.		
28 46 13 31-0832	EA		Black, IP Communicator External Mounting Enclosure (Notifier IPENC-B).....	228.88	38.54
			Note: Includes IPBRKT		
28 46 13 31-0833	EA		Dual 8TPC To Single 8TPC Y-Splitter With Two 9" Cables For Combining Panel Phone Jacks To One IPDACT Input (Notifier IPSPLT).....	60.24	15.41
28 46 13 31-0834	EA		Loop Control Module (Notifier LCM-320).....	1,814.96	77.07
28 46 13 31-0835	EA		Loop Expander Module (Notifier LEM-320).....	1,866.37	77.07
28 46 13 31-0836	EA		Keyboard Display Module For CPU2-640 (Notifier KDM-R2).....	1,391.23	77.07
28 46 13 31-0837	EA		7' DACT Phone Cord (Notifier MCBL-7).....	29.34	
28 46 13 31-0838	EA		Backbox For UDACT, With Viewing Window And Optional Relay Mount (Notifier UBS-1).....	236.79	19.27
28 46 13 31-0839	EA		Red, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1R).....	275.32	38.54
28 46 13 31-0840	EA		Black, Metal Enclosure With Solid Door For Remote Mounting Of The UDACT-2 (Notifier UBS-1B).....	275.32	38.54
28 46 13 31-0841	EA		Universal Digital Alarm Communicator Transmitter (Notifier UDACT-2).....	825.18	38.54
28 46 13 31-0842	EA		Universal Zone Coder (Notifier UZC-256).....	1,142.17	38.54
28 46 13 31-0843	EA		Hardware Kit To Connect UZC-256 To A PC (Notifier UZC-HI).....	354.59	
			Note: Includes null modem cable, AC power adapter, and 9-pin to 25-pin converter.		
28 46 13 31-0844	EA		Programming Software For ONYX Series Products, DVC And Associated Amplifiers, DVC-RPU And UDACT-2 (Notifier VERIFIRE-TCD).....	937.05	
28 46 13 31-0845	EA		ONYX Series Verifire Tools Upgrade (Notifier VERIFIREUG-TCD).....	622.67	
28 46 13 31-0846	EA		Central Station Receiver For Fire And Security (Notifier VISORALARM-PLUS).....	5,001.93	23.12
<b>28 46 13 31-0847 ONYX Cabinets (28 46 13 31-0805)</b>					
28 46 13 31-0848	EA		Red, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4R).....	672.48	19.27
28 46 13 31-0849	EA		Red, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4R).....	900.49	19.27
28 46 13 31-0850	EA		Red, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4R).....	1,111.23	19.27
28 46 13 31-0851	EA		Battery Dress Plate For NFS-640 And NFS-3030 (Notifier BP-4).....	145.07	23.12
28 46 13 31-0852	EA		Chassis Bridge (Notifier CB-1).....	131.12	19.27
28 46 13 31-0853	EA		Four Position Chassis (Notifier CHS-4).....	215.36	19.27
28 46 13 31-0854	EA		Low Profile 1st Row Chassis Assembly For CPU-640 / CPU-640E (Notifier CHS-M2).....	206.94	38.54
28 46 13 31-0855	EA		Black, Dress Panel Blank, Covers Unused Cabinet Row(s) (Notifier DP-1B).....	128.99	23.12
28 46 13 31-0856	EA		Dress Plate For Top Row With CPU2-3030D (Notifier DP-DISP).....	161.44	23.12
28 46 13 31-0857	EA		One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4).....	358.83	38.54
28 46 13 31-0858	EA		One Tier, "A" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-A4B).....	238.86	38.54
28 46 13 31-0859	EA		Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4).....	461.20	57.80
28 46 13 31-0860	EA		Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4B).....	301.61	57.80
28 46 13 31-0861	EA		Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4).....	681.33	77.07
28 46 13 31-0862	EA		Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4B).....	438.10	77.07
28 46 13 31-0863	EA		Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4).....	828.83	96.34
28 46 13 31-0864	EA		Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4B).....	514.06	96.34
28 46 13 31-0865	EA		Black, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4).....	336.22	19.27
28 46 13 31-0866	EA		Black, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4B).....	233.81	19.27
28 46 13 31-0867	EA		Red, One Tier, "AA" Size Door Assembly, Lock And Keys (Notifier DR-AA4BR).....	233.81	19.27
28 46 13 31-0868	EA		Red, One Tier, "AA" Size Door Assembly With Window, Lock And Keys (Notifier DR-AA4R).....	342.17	19.27
28 46 13 31-0869	EA		Red, One Tier, "A" Size Blank Door Assembly, Lock And Keys (Notifier DR-A4BR).....	262.39	19.27
28 46 13 31-0870	EA		Red, One Tier, "A" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-A4R).....	431.47	19.27
28 46 13 31-0871	EA		Red, Two Tier, "B" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-B4BR).....	297.52	19.27
28 46 13 31-0872	EA		Red, Two Tier, "B" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-B4R).....	512.44	19.27
28 46 13 31-0873	EA		Red, Three Tier, "C" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-C4BR).....	424.33	19.27
28 46 13 31-0874	EA		Red, Three Tier, "C" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-C4R).....	756.53	19.27
28 46 13 31-0875	EA		Red, Four Tier, "D" Size Door Assembly, Solid Door, Lock And Keys (Notifier DR-D4BR).....	474.34	19.27
28 46 13 31-0876	EA		Red, Four Tier, "D" Size Door Assembly, Lexan Window, Lock And Keys (Notifier DR-D4R).....	904.18	19.27
28 46 13 31-0877	EA		Black, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4).....	447.38	38.54
28 46 13 31-0878	EA		Black, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4).....	652.18	38.54
28 46 13 31-0879	EA		Black, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4).....	761.72	38.54
28 46 13 31-0880	EA		Black, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4).....	467.62	38.54
28 46 13 31-0881	EA		Black, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4).....	697.42	38.54
28 46 13 31-0882	EA		Black, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4).....	811.73	38.54
28 46 13 31-0883	EA		Red, Two Tiers, Equipment Backbox Assembly (Notifier EQBB-B4R).....	450.95	38.54
28 46 13 31-0884	EA		Red, Three Tiers, Equipment Backbox Assembly (Notifier EQBB-C4R).....	652.18	38.54
28 46 13 31-0885	EA		Red, Four Tiers, Equipment Backbox Assembly (Notifier EQBB-D4R).....	771.25	38.54
28 46 13 31-0886	EA		Red, Vented, Two Tiers, Equipment Door Assembly (Notifier EQDR-B4R).....	489.05	38.54
28 46 13 31-0887	EA		Red, Vented, Three Tiers, Equipment Door Assembly (Notifier EQDR-C4R).....	697.42	38.54
28 46 13 31-0888	EA		Red, Vented, Four Tiers, Equipment Door Assembly (Notifier EQDR-D4R).....	811.73	38.54
28 46 13 31-0889	EA		Backbox With Door For ONYX Firstvision™ (Notifier FIRSTVISION-ENC).....	3,570.84	192.68
28 46 13 31-0890	EA		CAB-4 Series Mounting Kit (Notifier P40-KITB).....	421.18	38.54
			Note: Includes chassis, hinged dress plate, and mounting hardware.		
28 46 13 31-0891	EA		Black, One Tier Backbox Assembly (Notifier SBB-A4).....	445.04	115.61
28 46 13 31-0892	EA		Black, Two Tier Backbox Assembly (Notifier SBB-B4).....	624.01	154.14
28 46 13 31-0893	EA		Black, Three Tier Backbox Assembly (Notifier SBB-C4).....	793.82	154.14
28 46 13 31-0894	EA		Black, Four Tier Backbox Assembly (Notifier SBB-D4).....	969.00	192.68
28 46 13 31-0895	EA		Black, Mini, One Tier, Backbox (Notifier SBB-AA4).....	271.15	38.54
28 46 13 31-0896	EA		Red, Mini, One Tier, Backbox (Notifier SBB-AA4R).....	271.15	38.54
28 46 13 31-0897	EA		Red, One Tier Backbox Assembly (Notifier SBB-A4R).....	325.93	38.54
28 46 13 31-0898	EA		Red, Two Tier Backbox Assembly (Notifier SBB-B4R).....	446.19	38.54
28 46 13 31-0899	EA		Red, Three Tier Backbox Assembly (Notifier SBB-C4R).....	645.03	38.54
28 46 13 31-0900	EA		Red, Four Tier Backbox Assembly (Notifier SBB-D4R).....	759.34	38.54
28 46 13 31-0901	EA		Trim Ring For NFS-320 Cabinet (Notifier TR-320).....	255.21	23.12



**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 13 31-0902	EA	Red, Trim Ring For NFS-320 Cabinet (Notifier TR-320R).....	255.21		23.12
28 46 13 31-0903	EA	Black, AA Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA4).....	340.34		23.12
28 46 13 31-0904	EA	Black, A Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-AA).....	271.28		23.12
28 46 13 31-0905	EA	Black, B Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-B4).....	273.07		23.12
28 46 13 31-0906	EA	Black, C Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-C4).....	270.09		23.12
28 46 13 31-0907	EA	Black, D Size Trim Ring For CAB-4 Or CAB-3 Series Cabinet (Notifier TR-D4).....	276.64		23.12
28 46 13 31-0908	EA	2" Filler Dress Plate For ADP-4B Installed In The Top Row Of A CAB-4 Series Backbox (Notifier VP-2B).....	105.06		23.12
28 46 13 31-0909	EA	Wire Trays For Routing Wire In A CAB-4 Series Backbox (Notifier WC-2).....	69.23		7.71
<b>28 46 13 31-0910</b>		<b>NFS2-3030/640 Cabinet Mechanicals</b> (28 46 13 31-0805)			
28 46 13 31-0911	EA	Dress Plate For Middle Rows With CPU2-640 (Notifier ADP2-640).....	138.06		23.12
28 46 13 31-0912	EA	Blank Module Dress Plate (Notifier BM-1B).....	116.68		23.12
28 46 13 31-0913	EA	Battery Dress Plate For NFS2-3030, NFS2-640, NCA-2 And DVC System (Notifier BP2-4).....	130.52		23.12
28 46 13 31-0914	EA	Four Position Expansion Chassis (Notifier CHS-4MB).....	330.26		19.27
28 46 13 31-0915	EA	Standard 1st Row Chassis Assembly For CPU-3030 (Notifier CHS-M3).....	296.74		57.80
28 46 13 31-0916	EA	Dress Plate For Top Row With CPU2-640 (Notifier DP-DISP2).....	143.09		23.12
<b>28 46 13 31-0917</b>		<b>NFS-3030/640 Cabinet Mechanicals</b> (28 46 13 31-0805)			
28 46 13 31-0918	EA	Annunciator Dress Plate (Notifier ADP-4B).....	131.77		23.12
28 46 13 31-0919	EA	Blank Module Dress Plate (Notifier BMP-1).....	87.75		23.12
28 46 13 31-0920	EA	Low Profile Four Position Chassis For AA-30 Or LDM (Notifier CHS-4L).....	189.65		38.54
28 46 13 31-0921	EA	Module Dress Plate (Notifier MP-1B).....	133.03		23.12
<b>28 46 13 31-0922</b>		<b>Battery Cabinets</b> (28 46 13 31-0805)			
28 46 13 31-0923	EA	Six Position Chassis (Notifier CHS-6).....	130.28		38.54
28 46 13 31-0924	EA	Black, 24" x 14" x 7-3/4" Battery Backbox (Notifier NFS-LBB).....	601.01		115.61
<b>28 46 13 31-0925</b>		<b>Digital Voice</b> (28 46 13 31-0805)			
28 46 13 31-0926	EA	Chassis Used With BB-XP (Notifier 18439).....	68.90		19.27
28 46 13 31-0927	EA	220 Volt AC, 100 Watt, 70.7 VRMS, Tone Generator, Audio Amplifier (Notifier AA-100E).....	2,322.95		57.80
28 46 13 31-0928	EA	220 Volt AC, 120 Watt, 25 VRMS, Tone Generator, Audio Amplifier (Notifier AA-120E).....	2,258.50		57.80
28 46 13 31-0929	EA	220 Volt AC, 30 Watt, 25 VRMS Audio Amplifier (Notifier AA-30E).....	1,150.07		57.80
28 46 13 31-0930	EA	Black, Two Tier Door For CA-2 Chassis Configuration (Notifier ADDR-B4).....	577.24		57.80
28 46 13 31-0931	EA	Black, Three Tier Door For CA-2 Chassis Configuration (Notifier ADDR-C4).....	781.80		77.07
28 46 13 31-0932	EA	Black, Four Tier Door For CA-2 Chassis Configuration (Notifier ADDR-D4).....	973.80		96.34
28 46 13 31-0933	EA	Multimode Audio Fiber Link Receiver (Notifier AFL-RM).....	993.19		38.54
28 46 13 31-0934	EA	Multimode Audio Fiber Link Transmitter (Notifier AFL-TM).....	993.19		38.54
28 46 13 31-0935	EA	Single Mode Audio Fiber Link Transmitter (Notifier AFL-TS).....	2,106.89		38.54
28 46 13 31-0936	EA	15" x 8-3/8" x 3-3/8", Flush Or Surface Mounted Backbox (Notifier AFAWS-BX).....	135.88		19.27
28 46 13 31-0937	EA	Flush Mounted, Key Lock, Door (Notifier AFAWS-KR).....	224.29		19.27
28 46 13 31-0938	EA	Surface Mounted, Key Lock, Door (Notifier AFAWS-KS).....	225.48		19.27
28 46 13 31-0939	EA	Flush Mounted, Latch Style Lock, Door (Notifier AFAWS-LR).....	218.34		19.27
28 46 13 31-0940	EA	Surface Mounted, Latch Style Lock, Door (Notifier AFAWS-LS).....	220.72		19.27
28 46 13 31-0941	EA	Armored Coil Cord, Telephone Chassis (Notifier AFAWS-TELA).....	442.19		19.27
28 46 13 31-0942	EA	Coil Cord, Telephone Chassis (Notifier AFAWS-TELC).....	339.79		19.27
28 46 13 31-0943	EA	Hammer Attached To Chain, Breakglass Insert (Notifier BRKG-B).....	139.24		
28 46 13 31-0944	EA	For 25 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-25V).....	600.11		38.54
28 46 13 31-0945	EA	For 70 VRMS DAX Or DAA2 Series, Back-Up Digital Amplifier (Notifier BDA-70V).....	605.39		38.54
28 46 13 31-0946	EA	Blank Dress Plate For CA-2 (Notifier BP-CA2).....	134.09		19.27
28 46 13 31-0947	EA	One Tier Chassis For Digital Voice Command Panel (Notifier CA-1).....	167.63		38.54
28 46 13 31-0948	EA	Two Tier Chassis For Digital Voice Command Panel, With MIC-1 (Notifier CA-2).....	485.41		57.80
28 46 13 31-0949	EA	Black, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RM).....	269.37		38.54
28 46 13 31-0950	EA	Red, 6.08" x 8.301" x 3.655", Remote Cabinet (Notifier CAB-RMR).....	269.37		38.54
28 46 13 31-0951	EA	Chassis, Phone Well, TELH-1 And Hardware (Notifier CFFT-1).....	336.22		19.27
28 46 13 31-0952	EA	Chassis With Paging Microphone With Well (Notifier CMIC-1).....	332.64		19.27
28 46 13 31-0953	EA	120 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025).....	1,885.84		38.54
28 46 13 31-0954	EA	Multi-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025F).....	1,975.34		38.54
28 46 13 31-0955	EA	Single-Mode Fiber-Optic Media 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-5025SF).....	1,975.34		38.54
28 46 13 31-0956	EA	120 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070).....	1,946.22		38.54
28 46 13 31-0957	EA	Multi-Mode Fiber-Optic Media 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA-5070F).....	2,090.38		38.54
28 46 13 31-0958	EA	120 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525).....	2,020.43		38.54
28 46 13 31-0959	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,579.33		38.54
28 46 13 31-0960	EA	Single-Mode Fiber-Optic Media 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA-7525SF).....	2,579.33		38.54
28 46 13 31-0961	EA	220-240 Volt AC, 50 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-5025E).....	1,885.00		38.54
28 46 13 31-0962	EA	220-240 Volt AC, 50 Watt, 70 VRMS Digital Audio Amplifier (Notifier DAA2-5070E).....	1,937.83		38.54
28 46 13 31-0963	EA	220-240 Volt AC, 75 Watt, 25 VRMS Digital Audio Amplifier (Notifier DAA2-7525E).....	2,020.25		38.54
28 46 13 31-0964	EA	120 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525).....	1,285.88		38.54
28 46 13 31-0965	EA	220-240 Volt AC, 35 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-3525E).....	1,319.69		38.54
28 46 13 31-0966	EA	120 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570).....	1,350.33		38.54
28 46 13 31-0967	EA	220-240 Volt AC, 35 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-3570E).....	1,394.71		38.54
28 46 13 31-0968	EA	120 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025).....	1,404.22		38.54
28 46 13 31-0969	EA	220-240 Volt AC, 50 Watt, 25 VRMS, Digital Audio Amplifier (Notifier DAX-5025E).....	1,445.43		38.54
28 46 13 31-0970	EA	120 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070).....	1,486.64		38.54
28 46 13 31-0971	EA	220-240 Volt AC, 50 Watt, 70 VRMS, Digital Audio Amplifier (Notifier DAX-5070E).....	1,560.61		38.54
28 46 13 31-0972	EA	Dress Plate For CFFT-1 (Notifier DP-CFFT).....	154.34		19.27
28 46 13 31-0973	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel (Notifier DPA-1).....	125.48		23.12
28 46 13 31-0974	EA	Dress Panel For One Tier Chassis For Digital Voice Command Panel, Supports Keypad (Notifier DPA-1A4).....	143.09		23.12
28 46 13 31-0975	EA	Dress Panel For Two Tier Chassis For Digital Voice Command Panel (Notifier DPA-2B).....	237.43		23.12
28 46 13 31-0976	EA	WPS Power Amplifier (Notifier DPA3204P).....	708.95		38.54
28 46 13 31-0977	EA	WPS Power Amplifier (Notifier DPA4001P).....	600.11		38.54
28 46 13 31-0978	EA	Modem Interface For Direct Wire (No Dial-Up Capabilities) For Interconnecting Panels (Notifier DPI-232).....	1,335.54		38.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-0979	EA		120 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMP) ..... Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,002.70	38.54
28 46 13 31-0980	EA		220-240 Volt AC, 125 Watt, 25 VRMS Digital Series Amplifier (Notifier DS-AMPE)..... Note: Can Be Converted To 70 VRMS, 100 Watts With A DS-XF70V	1,014.32	38.54
28 46 13 31-0981	EA		Digital Series Distribution Board, Supports One To Four DS-AMP Or DS-AMPE (Notifier DS-DB).....	1,680.01	38.54
28 46 13 31-0982	EA		125 Watt, 25 VRMS DS Series Backup Amplifier Board (Can Be Converted To 70 VRMS, 100 Watt Amplifier With A DS-XF70V) (Notifier DS-BDA).....	663.51	38.54
28 46 13 31-0983	EA		Converts One DAX Or DAA2 DAL Port To Multi-Mode Fiber, Fiber Option Module (Notifier DS-FM) .....	396.18	38.54
28 46 13 31-0984	EA		Converts One DAX Or DAA2 Port To ST Style Multi-Mode Fiber (For Connection To DVC-EMF Or DAA-XXXX Series Amplifier), Fiber Option Module (Notifier DS-RFM) .....	396.18	38.54
28 46 13 31-0985	EA		Converts One DAX Or DAA2 DAL Port To Single-Mode Fiber, Fiber Option Module (Notifier DS-SFM) .....	396.18	38.54
28 46 13 31-0986	EA		Converts DS-AMP, DS-AMPE, Or DS-BDA To 70 VRMS, 100 Watt, DS Series Transformer (Notifier DS-XF70V).....	176.20	38.54
28 46 13 31-0987	EA		Analog Output Board For Digital Voice Command (Notifier DVC-AO).....	347.51	38.54
28 46 13 31-0988	EA		Extended Memory For Digital Voice Command (Notifier DVC-EM).....	1,900.94	38.54
28 46 13 31-0989	EA		Keypad For Digital Voice Command (Notifier DVC-KD) .....	588.09	77.07
28 46 13 31-0990	EA		Microphone For NFC-50/100, NFC-LOC, NFC-RPU And NFC-RM (Notifier ECC-MICROPHONE).....	307.13	
28 46 13 31-0991	EA		Portable Fireman's Telephone Handset (Notifier FHS).....	185.08	
28 46 13 31-0992	EA		Red, Fireman's Telephone Handset (Notifier FHS-F).....	214.26	
28 46 13 31-0993	EA		Recessed, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-R).....	541.44	38.54
28 46 13 31-0994	EA		Surface Mounted, Fireman's Handset Storage Cabinet, Holds Six Handsets (Notifier FHSC-S).....	541.44	38.54
28 46 13 31-0995	EA		Fireman's Phone Jack On A Single Gang Plate (Notifier FPJ) .....	90.04	11.56
28 46 13 31-0996	EA		Paging Microphone Only (Notifier MIC-1).....	241.85	38.54
28 46 13 31-0997	EA		Firefighter's Telephone Handset (Notifier TELH-1).....	211.28	
28 46 13 31-0998	EA		Remote Microphone Assembly For Mounting On An ADP-4 Dress Plate (Notifier RM-1) .....	566.37	38.54
28 46 13 31-0999	EA		Remote Microphone Assembly For Mounting In A Stand Alone Cabinet (Notifier RM-1SA).....	566.37	38.54
<b>28 46 13 31-1000</b>			<b>Amplifiers</b> (28 46 13 31-0805)		
28 46 13 31-1001	EA		30 Watt Audio Amplifier At 25 VRMS, 120 Volt AC (Notifier AA-30).....	1,069.51	38.54
28 46 13 31-1002	EA		100 Watt Audio Amplifier At 70.7 VRMS, 120 Volt AC, Tone Generator (Notifier AA-100).....	2,308.48	38.54
28 46 13 31-1003	EA		120 Watt Audio Amplifier At 25 VRMS, 120 Volt AC, Tone Generator (Notifier AA-120).....	2,243.07	38.54
28 46 13 31-1004	EA		Audio Coupling Transformer (Notifier ACT-1).....	181.47	38.54
28 46 13 31-1005	EA		Audio Coupling Transformer For DVC-AO (Notifier ACT-4).....	209.14	38.54
28 46 13 31-1006	EA		Audio Coupling Transformer For DAA-5025 (Notifier ACT-25).....	209.14	38.54
28 46 13 31-1007	EA		Audio Coupling Transformer For DAA-5070 (Notifier ACT-70) .....	209.14	38.54
28 46 13 31-1008	EA		50 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5025) .....	1,805.75	38.54
28 46 13 31-1009	EA		50 Watt, 70 Volt, 120 VAC Digital Amplifier (Notifier DAA2-5070).....	1,867.04	38.54
28 46 13 31-1010	EA		75 Watt, 25 Volt, 120 VAC Digital Amplifier (Notifier DAA2-7525).....	1,938.89	38.54
28 46 13 31-1011	EA		Distributed Amplifier With Backup Capability (Notifier NFC-50/100DA)..... Note: Requires NFC-BDA-BU	3,521.75	38.54
28 46 13 31-1012	EA		50 Watt, 25 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25V)..... Note: Requires NFC-BDA-BU	716.34	38.54
28 46 13 31-1013	EA		50 Watt, 70 Volt Amplifier For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70V)..... Note: Requires NFC-BDA-BU	719.51	38.54
<b>28 46 13 31-1014</b>			<b>FireVoice-25/50 Emergency Voice Evacuation Control Panels</b> (28 46 13 31-0805)		
28 46 13 31-1015	EA		25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50).....	5,519.18	770.72
28 46 13 31-1016	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50DA).....	3,957.42	770.72
28 46 13 31-1017	EA		Single Channel 25 Watt, 25 VRMS Voice Evacuation Control Panel Used With NFV-25/50ZS (Notifier NFV-25/50DAZS).....	5,079.13	770.72
28 46 13 31-1018	EA		Zoned System 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZS).....	6,545.97	770.72
28 46 13 31-1019	EA		Zoned System With Telephone 25 Watt, 25 VRMS Voice Evacuation Control Panel (Notifier NFV-25/50ZST).....	7,218.99	770.72
<b>28 46 13 31-1020</b>			<b>System Printer</b> (28 46 13 31-0805)		
28 46 13 31-1021	EA		80 Column, 120 Volt AC, Desktop Printer (Notifier PRN-6) .....	2,293.38	38.54
<b>28 46 13 31-1022</b>			<b>Batteries</b> (28 46 13 31-0805)		
28 46 13 31-1023	EA		5 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1250-BP) .....	697.42	38.54
28 46 13 31-1024	EA		7 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-1270-BP) .....	507.25	38.54
28 46 13 31-1025	EA		12 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12120-BP) .....	660.71	38.54
28 46 13 31-1026	EA		18 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12180-BP) .....	394.05	38.54
28 46 13 31-1027	EA		26 Ampere Hours, 12 Volt DC, Sealed Battery Pack (Notifier BAT-12260-BP) .....	542.47	38.54
28 46 13 31-1028	EA		55 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-12550).....	541.21	38.54
28 46 13 31-1029	EA		100 Ampere Hours, 12 Volt DC, Sealed Battery (Notifier BAT-121000).....	849.13	38.54
<b>28 46 13 31-1030</b>			<b>Battery Backboxes And Miscellaneous Mechanicals</b> (28 46 13 31-0805)		
28 46 13 31-1031	EA		14-1/2" x 8-1/4" x 4-3/4", Holds Up To Two BAT-12180 Batteries, Battery Backbox (Notifier BB-17).....	198.00	30.83
28 46 13 31-1032	EA		24" x 12.55" x 5.218", Mounts Up To Six XP6 Boards Or ACPS-610, Cabinet (Notifier BB-25)..... Note: XP6 modules require a CHS-6.	326.00	30.83
28 46 13 31-1033	EA		15.6" x 15.5" x 5.152", Mounts Up To Two 26 Ampere Hours And Charger, Battery Backbox (Notifier BB-26) .....	507.03	154.14
28 46 13 31-1034	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH).....	264.28	77.07
28 46 13 31-1035	EA		Holds Up To Two BAT-12120 12 Ampere Hours Batteries, Battery Holder (Notifier CHS-BH1).....	141.54	19.27
28 46 13 31-1036	EA		Battery Bracket For Two 26 Ampere Hours Batteries (Notifier SEISKIT-BB25).....	370.86	30.83
28 46 13 31-1037	EA		Two 26 Ampere Hours Battery Bracket Seismic Kit For CAB-4 Series Cabinets (Notifier SEISKIT-CAB).....	261.70	30.83
28 46 13 31-1038	EA		Two 12 Ampere Hours Battery Bracket Seismic Kit For DAX, DAA, And DAA2 Series Amplifiers (Notifier SEISKIT-DAA).....	289.68	30.83
28 46 13 31-1039	EA		Two 55 Ampere Hours Battery Bracket Seismic Kit For NFS-LBB (Notifier SEISKIT-LBB).....	308.13	30.83
28 46 13 31-1040	EA		Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For FIREVOICE 25/50 Series (Notifier SEISKIT-2550).....	453.40	30.83
28 46 13 31-1041	EA		Two 26 Ampere Hour Battery Bracket Seismic Kit For NFS-320 And BB-26 Series (Notifier SEISKIT-320/B26).....	272.41	30.83
28 46 13 31-1042	EA		Two 100 Ampere Hour Battery Bracket Seismic Kit For BB-100 And BB-200 Series (Notifier SEISKIT-BB100)..... Note: Two kits are required for the BB-200	381.96	30.83

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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1043	EA		Two 18 Ampere Hour Battery Bracket Seismic Kit For BB-17 Series (Notifier SEISKIT-BB17) ..... Note: Two kits are required for the BB-200	331.95	30.83
28 46 13 31-1044	EA		Two 26 Ampere Hour Battery Bracket Seismic Kit For BB-25 Series (Notifier SEISKIT-BB25) ..... Note: Two kits are required for the BB-200	339.09	30.83
28 46 13 31-1045	EA		Two 7, 12, Or 18 Ampere Hour Battery Bracket Seismic Kit For SFP-5UD, SFP-10UD, Firewarden 100-2, RP-2001, And RP-2002 Series (Notifier SEISKIT-COMMENC)..... Note: Two kits are required for the BB-200	297.42	30.83
28 46 13 31-1046	EA		Two 7 Or 12 Ampere Hour Battery Bracket Seismic Kit For FCPS-24S6/8, CAB-PS1, SFP-2402 And SFP-2404 Series (Notifier SEISKIT-PS/2/4) ..... Note: Two kits are required for the BB-200	279.56	30.83
<b>28 46 13 31-1047</b>			<b>Power Supplies And Chargers</b> (28 46 13 31-0805)		
28 46 13 31-1048	EA		120 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610).....	1,571.67	57.80
28 46 13 31-1049	EA		220/240 Volt AC, 6 Or 10 Amperes, Addressable Charging Power Supply (Notifier ACPS-610E) .....	1,647.75	57.80
28 46 13 31-1050	EA		Addressable Power Supply, 120 Volt AC For NFS-3030, NFS2-3030 And NCA-2 (Notifier AMPS-24).....	1,622.96	38.54
28 46 13 31-1051	EA		6A Auxiliary Power Supply (Notifier APS-6R) .....	1,065.89	38.54
28 46 13 31-1052	EA		10 Amperes Battery Charger (Notifier BC10A) .....	1,251.54	57.80
28 46 13 31-1053	EA		33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100) .....	691.41	46.24
			Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1054	EA		Red, 33.34" x 22.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS-3030 Or NFS2-3030 (Notifier BB-100R) .....	699.75	46.24
			Note: Holds four 55 ampere hour or two 100 ampere hour batteries		
28 46 13 31-1055	EA		30.34" x 36.5" x 7.5", Combination Power Supply And Battery Enclosure For NFS2-3030 (Notifier BB-200).....	932.53	46.24
			Note: Holds four 55 ampere hour or four 100 ampere hour batteries		
28 46 13 31-1056	EA		30.34" x 36.5" x 7.5", Holds Four 55 Ampere Hours Or Four 100 Ampere Hours Batteries, For NFS2-3030, Red, Combination Power Supply And Battery Enclosure (Notifier BB-200R).....	932.53	46.24
28 46 13 31-1057	EA		15.218" x 14.5" x 3.562" ACPS Stand-Alone Cabinet (Notifier CAB-PS1).....	248.53	38.54
28 46 13 31-1058	EA		25 To 120 Ampere Hours Battery Charger (Notifier CHG-120) .....	1,255.67	38.54
28 46 13 31-1059	EA		Mounts XPIQ-Ps And/or CHS-BH In A CAB-3/4 Row, Also Mount One ACPS-610 In CAB-3 Row, Chassis Assembly (Notifier CHS-PS).....	112.36	19.27
28 46 13 31-1060	EA		Door Used For Mounting ACPS-610 (E) In A CAB-PS1 Cabinet When Replacing ACPS-2406 (Notifier DR-PS1).....	173.68	19.27
28 46 13 31-1061	EA		8 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8) .....	839.32	38.54
28 46 13 31-1062	EA		8.0 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8E).....	962.41	115.61
28 46 13 31-1063	EA		Red, 8 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S8R) .....	923.32	115.61
28 46 13 31-1064	EA		8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8) .....	1,059.62	115.61
28 46 13 31-1065	EA		8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8E).....	1,051.17	115.61
28 46 13 31-1066	EA		Chassis Mounted, 8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CM).....	998.97	57.80
28 46 13 31-1067	EA		Chassis Mounted, 8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF8CME).....	998.97	57.80
28 46 13 31-1068	EA		12 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12) .....	1,232.49	57.80
28 46 13 31-1069	EA		12 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPFF12E).....	1,178.60	57.80
28 46 13 31-1070	EA		12 Amperes, 24 Volt DC, 120 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CM).....	1,250.45	115.61
28 46 13 31-1071	EA		12 Amperes, 24 Volt DC, 220 Volt AC, Chassis Mounted, NAC Fire Alarm Power Supply (Notifier HPFF12CME).....	1,250.45	115.61
28 46 13 31-1072	EA		6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6).....	904.30	115.61
28 46 13 31-1073	EA		6 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S6E).....	904.30	115.61
28 46 13 31-1074	EA		8 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8).....	971.92	115.61
28 46 13 31-1075	EA		8 Amperes, 24 Volt DC, 220 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF24S8E).....	971.92	115.61
28 46 13 31-1076	EA		6 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF602ULADA) .....	791.23	115.61
28 46 13 31-1077	EA		9 Amperes, 24 Volt DC, 120 Volt AC, NAC Fire Alarm Power Supply (Notifier HPF902ULADA) .....	923.32	115.61
28 46 13 31-1078	EA		Class A Adapter HPFF8/HPFF12 (Notifier HPP31076) .....	195.98	19.27
28 46 13 31-1079	EA		Up To 3 Amperes, Main Power Supply And Charger (Notifier MPS-24A).....	1,543.91	38.54
28 46 13 31-1080	EA		Class A (Style Y) NAC Option Module For FCPS-2406 And FCPS-2408 (Notifier ZNAC-4) .....	246.15	38.54
28 46 13 31-1081	EA		240 Volt AC Addressable Power Supply (Notifier AMPS-24E) .....	1,855.98	38.54
28 46 13 31-1082	EA		6 Amperes, 120 Volt AC Auxiliary Power Supply (Notifier APS2-6R) .....	934.94	115.61
28 46 13 31-1083	EA		6 Amperes, 220-240 Volt AC Auxiliary Power Supply (Notifier APS2-6RE).....	971.92	115.61
28 46 13 31-1084	EA		25 To 75 Ampere Hour Sealed Lead Acid Battery Charger (Notifier CHG-75) .....	854.76	38.54
28 46 13 31-1085	EA		6 Amperes, 240 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6E).....	903.24	115.61
28 46 13 31-1086	EA		6 Amperes, 120 Volt AC Remote Charger Power Supply (Notifier FCPS-24S6R).....	883.16	115.61
<b>28 46 13 31-1087</b>			<b>Network Control Annunciators</b> (28 46 13 31-0805)		
28 46 13 31-1088	EA		Network Control Annunciator For NFS2-3030, NFS-3030, NFS-320, NFS-640 And NFS2-640 (Notifier NCA-2).....	2,306.65	115.61
28 46 13 31-1089	EA		Retro-Fit Plate For Mounting NCA2 (Notifier NCA-2RETRO) .....	97.81	23.12
28 46 13 31-1090	EA		Kit For Mounting NCA-2 To CHS-M2 (Notifier NCA/640-2-Kit) .....	73.91	23.12
<b>28 46 13 31-1091</b>			<b>FIRSTVISION Firefighter's Display</b> (28 46 13 31-0805)		
28 46 13 31-1092	EA		ONYX FirstVision™ Touchscreen Assembly (Notifier FIRSTVISION-LCD) .....	18,176.98	770.72
<b>28 46 13 31-1093</b>			<b>FlashScan Addressable Modules</b> (28 46 13 31-0805)		
28 46 13 31-1094	EA		Intelligent Addressable Control Module (Notifier FCM-1).....	214.17	38.54
28 46 13 31-1095	EA		Addressable Dual Monitor Module (Notifier FDM-1) .....	236.82	38.54
28 46 13 31-1096	EA		Intelligent Addressable Monitor Module (Notifier FMM-1).....	181.47	38.54
28 46 13 31-1097	EA		Intelligent Addressable Miniature Monitor Module (Notifier FMM-101) .....	163.86	38.54
28 46 13 31-1098	EA		Intelligent Addressable 4 - 20mA Analog Input Module (Notifier FMM-4-20) .....	316.06	38.54
28 46 13 31-1099	EA		Intelligent Addressable Relay Module (Notifier FRM-1) .....	209.54	38.54
28 46 13 31-1100	EA		Intelligent Addressable 2-Wire Detector Monitor Module (Notifier FZM-1).....	264.49	38.54
28 46 13 31-1101	EA		SLC Loop Powered Fault Isolator Module (Notifier ISO-X).....	178.95	38.54
<b>28 46 13 31-1102</b>			<b>Addressable Device Bases And Accessories</b> (28 46 13 31-0805)		
28 46 13 31-1103	EA		Intelligent Detector Base With Flange (Notifier B710LP) .....	71.33	19.27
28 46 13 31-1104	EA		Weatherproof Device Housing (Notifier DH4000E-1).....	518.57	38.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1105	EA		Detector Base For All Wireless Smoke And Heat Detectors (Notifier B210W) .....	68.90	19.27
28 46 13 31-1106	EA		Swift AV Base Ceiling (Notifier WAV-CRL).....	346.93	19.27
28 46 13 31-1107	EA		Swift AV Base Wall (Notifier WAV-RL) .....	346.93	19.27
<b>28 46 13 31-1108</b>			<b>XP6/XP10 Transponder (28 46 13 31-0805)</b>		
28 46 13 31-1109	EA		Synchronization Daughter Module For XP6-C (Notifier SYNC-1) .....	163.23	38.54
28 46 13 31-1110	EA		Six Circuit Supervised Control Module (Notifier XP6-C) .....	736.18	38.54
28 46 13 31-1111	EA		Six Zone Intelligent To Conventional Interface Module (Notifier XP6-MA).....	887.12	38.54
28 46 13 31-1112	EA		Six Relay Control Module (Notifier XP6-R) .....	708.51	38.54
28 46 13 31-1113	EA		Ten Input Monitor Module (Notifier XP10-M) .....	849.38	38.54
<b>28 46 13 31-1114</b>			<b>LCD Display Annunciators (28 46 13 31-0805)</b>		
28 46 13 31-1115	EA		80 Character LCD Fire Annunciator For FireWarden-100-2, NFS-640, NFS2-640 And NFS-320 (Notifier FDU-80).....	979.62	115.61
28 46 13 31-1116	EA		80 Character LCD Annunciator For NFS-640, NFS-3030, NFS2-640, NFS2-3030 And NFS-320 (Notifier LCD-80).....	1,350.69	115.61
28 46 13 31-1117	EA		640 Character LCD Annunciator For NFS-3030 And NFS2-3030 (Notifier LCD-160).....	1,395.97	115.61
28 46 13 31-1118	EA		8 To 16 Switch Smoke Control Expander (Notifier SCE-8).....	986.76	38.54
28 46 13 31-1119	EA		8 To 16 Switch Smoke Control Lamp Driver Expander (Notifier SCE-8L) .....	528.35	38.54
28 46 13 31-1120	EA		Eight Switch Smoke Control Master Module (Notifier SCS-8).....	1,274.91	38.54
28 46 13 31-1121	EA		White, 80 Character Display, Remote LCD Annunciator (Notifier N-ANN-80-W).....	662.32	115.61
<b>28 46 13 31-1122</b>			<b>ONYX ACM And AEM Series LED Annunciators (28 46 13 31-0805)</b>		
28 46 13 31-1123	EA		Remote, Eight Form C Relay Module (Notifier ACM-8R).....	570.02	38.54
28 46 13 31-1124	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Controls Switches, Annunciator Control Module (Notifier ACM-16AT).....	968.88	38.54
28 46 13 31-1125	EA		16 Alarm LEDs, 16 Trouble LEDs, 16 Control Switches, Annunciator Expander Module (Notifier AEM-16AT).....	746.24	38.54
28 46 13 31-1126	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Control Module (Notifier ACM-24AT) .....	968.88	38.54
28 46 13 31-1127	EA		24 Alarm LEDs, 24 Trouble LEDs, 24 Control Switches, Annunciator Expander Module (Notifier AEM-24AT).....	746.24	38.54
28 46 13 31-1128	EA		32 Alarm LEDs And 1 Trouble LED, Control Module (Notifier ACM-32A).....	746.24	38.54
28 46 13 31-1129	EA		32 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-32A) .....	670.77	38.54
28 46 13 31-1130	EA		48 Alarm And 1 Trouble LED Annunciator Control Module (Notifier ACM-48A) .....	746.24	38.54
28 46 13 31-1131	EA		48 Alarm And 1 Trouble LED, Annunciator Expander Module (Notifier AEM-48A).....	670.77	38.54
<b>28 46 13 31-1132</b>			<b>Graphic Annunciator - Lamp Driver Modules (28 46 13 31-0805)</b>		
28 46 13 31-1133	EA		Single Annunciator Flush Mounted Backbox (Notifier ABF-1B) .....	337.78	77.07
28 46 13 31-1134	EA		Single Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-1DB).....	364.20	77.07
28 46 13 31-1135	EA		Two Annunciator Flush Mounted Backbox (Notifier ABF-2B) .....	422.86	96.34
28 46 13 31-1136	EA		Two Annunciator Flush Mounted Backbox With Glass Door And Key Lock (Notifier ABF-2DB).....	456.83	96.34
28 46 13 31-1137	EA		Four Annunciator Flush Mounted Backbox (Notifier ABF-4B).....	725.09	134.87
28 46 13 31-1138	EA		Annunciator Blank Plate Used With ACM-32A/ACM-16AT (Notifier ABM-1) .....	128.63	23.12
28 46 13 31-1139	EA		Single Annunciator Surface Mounted Backbox (Notifier ABS-1B) .....	230.24	77.07
28 46 13 31-1140	EA		Single Annunciator Surface Mounted Backbox With Trim (Notifier ABS-1TB) .....	203.29	19.27
28 46 13 31-1141	EA		Two Annunciator Surface Mounted Backbox (Notifier ABS-2B) .....	278.67	77.07
28 46 13 31-1142	EA		12" x 12" x 3-3/4" Surface Or Semi-Flush Mount Backbox (Notifier ABS-2D).....	474.44	96.34
28 46 13 31-1143	EA		Red, Surface (Or Semi-Flush) Mounted Backbox For ACS Annunciators, SCS Series, NCA And NCA-2 (Notifier ABS-2DR).....	377.10	19.27
28 46 13 31-1144	EA		Black, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4D).....	759.05	134.87
28 46 13 31-1145	EA		Red, 12" x 20" x 3-1/2" Surface Or Semi-Flush Backbox (Notifier ABS-4DR) .....	634.19	23.12
28 46 13 31-1146	EA		Black, 9-15/16" x 4-5/8" x 2-1/2" Surface Backbox (Notifier ABS-8RB) .....	247.57	30.83
28 46 13 31-1147	EA		Annunciator Key Switch (Notifier AKS-1B) .....	124.63	11.56
28 46 13 31-1148	EA		Chassis Used To Mount NCA-2 In ABS-2D (Notifier CHS-2D).....	130.53	38.54
28 46 13 31-1149	EA		32 Alarm Lamp Driver Annunciator Control Module (Notifier LDM-32) .....	670.77	38.54
28 46 13 31-1150	EA		24" Lamp Driver Annunciator Cable (Notifier LDM-CBL24) .....	214.85	7.71
28 46 13 31-1151	EA		48" Lamp Driver Annunciator Cable (Notifier LDM-CBL48) .....	268.43	7.71
28 46 13 31-1152	EA		32 Alarm Lamp Driver Annunciator Expander Module (Notifier LDM-E32).....	556.31	38.54
28 46 13 31-1153	EA		Lamp Driver Module (Notifier LDM-R32) .....	1,047.49	38.54
28 46 13 31-1154	EA		Eight Switch Smoke Control Lamp Driver Master Module (Notifier SCS-8L).....	972.48	38.54
28 46 13 31-1155	EA		48" Cable Assembly For Smoke Control Lamp Driver (Notifier SCS8L-CBL48).....	275.58	7.71
28 46 13 31-1156	EA		Black, Trim Ring For ABS-2D Cabinet (Notifier TR-ABS2D) .....	252.83	23.12
28 46 13 31-1157	EA		Black, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4D) .....	150.53	23.12
28 46 13 31-1158	EA		Red, Trim Ring For ABS-4D Cabinet (Notifier TR-ABS4DR).....	150.53	23.12
28 46 13 31-1159	EA		Graphic Annunciator Dress Plate (Notifier DP-GDIS1).....	242.11	23.12
28 46 13 31-1160	EA		Graphic Annunciator Dress Plate (Notifier DP-GDIS2) .....	242.11	23.12
28 46 13 31-1161	EA		Input/Output Module For Driving Graphic Annunciators Or Relays (Notifier N-ANN-RLED).....	599.59	38.54
<b>28 46 13 31-1162</b>			<b>Network Gateways (28 46 13 31-0805)</b>		
28 46 13 31-1163	EA		Common Alerting Protocol Gateway (Notifier CAP-GW) .....	3,352.69	38.54
28 46 13 31-1164	EA		Fiber-Optic Cable Interface (Multi-Mode), High-Speed Network Communications Module (Notifier HS-NCM-MF).....	2,498.91	38.54
28 46 13 31-1165	EA		Fiber-Optic Cable Interface (Multi-Mode Fiber To Single-Mode Fiber), High-Speed Network Communications Module (Notifier HS-NCM-MFSF).....	2,813.79	38.54
28 46 13 31-1166	EA		Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-SF) .....	3,099.09	38.54
28 46 13 31-1167	EA		Twisted-Pair Wire Interface, High-Speed Network Communications Module (Notifier HS-NCM-W).....	2,521.10	38.54
28 46 13 31-1168	EA		Wire And Fiber-Optic Cable Interface, High-Speed Network Communications Module (Multi-Mode) (Notifier HS-NCM-WMF) .....	2,453.48	38.54
28 46 13 31-1169	EA		Wire And Fiber-Optic Cable Interface (Single-Mode), High-Speed Network Communications Module (Notifier HS-NCM-WSF).....	2,760.96	38.54
28 46 13 31-1170	EA		Modbus Gateway (Notifier MODBUS-GW) .....	2,750.39	38.54
28 46 13 31-1171	EA		22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW) .....	3,187.16	25.44
28 46 13 31-1172	EA		Capacitive Touch-Screen, 22" Widescreen HD LED Color Monitor With Speakers (Notifier MON-22LCDW-TS) .....	4,729.87	25.44
28 46 13 31-1173	EA		1920x1080P Wide Screen (Notifier MON-42LCDW) .....	14,947.67	25.44
28 46 13 31-1174	EA		Single Monitor, Wall Mounted, Horizontal, Tilt, Bracket (Notifier MON-42HORIZ-SD).....	780.64	57.80
28 46 13 31-1175	EA		Single Monitor, Vertical Mounted, Bracket (Notifier MON-42VERT-SD).....	1,423.01	57.80



**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46	13 31-1176	EA	Dual Monitors, Vertical Wall Mounted, Fixed Position, Bracket (Notifier MON-42VERT-DD) .....	2,072.92	57.80
28 46	13 31-1177	EA	Mass Notification Voice Paging (Notifier NOTIFY-IP) .....	1,251.07	
28 46	13 31-1178	EA	Embedded NFN Gateway (Notifier NFN-GW-EM) .....	2,768.85	38.54
28 46	13 31-1179	EA	NFN Gateway PC Card With Fiber (Notifier NFN-GW-PC-F) .....	2,768.85	38.54
28 46	13 31-1180	EA	High Speed NFN Gateway PC Card For Multimode Fiber (Included With ONYXworks-HNMF) (Notifier NFN-GW-PC-HNMF).....	3,807.04	38.54
28 46	13 31-1181	EA	High Speed NFN Gateway PC Card For Single Mode Fiber (Included With ONYXworks-HNSF) (Notifier NFN-GW-PC-HNSF) .....	4,430.47	38.54
28 46	13 31-1182	EA	High Speed NFN Gateway PC Card For Wire (Included With ONYXworks-HNW) (Notifier NFN-GW-PC-HNW) .....	3,807.04	38.54
28 46	13 31-1183	EA	NFN Gateway PC Card With Wire (Notifier NFN-GW-PC-W) .....	2,768.85	38.54
28 46	13 31-1184	EA	Alpha-Numeric Pager Option For ONYXworks (Notifier ONYX-PAGER).....	1,813.73	
28 46	13 31-1185	EA	ONYXWorks Workstation (Notifier ONYXWORKS-WS) .....	28,868.88	924.87
28 46	13 31-1186	EA	Fiber Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NW)..... Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	7,217.73	
28 46	13 31-1187	EA	Wired Network Graphical User Interface (Notifier ONYXWorks-Lite OW-LITE-NF)..... Note: Includes PC slot network fiber card, workstation software and security key with a four node license. Excludes PC workstation.	7,217.73	
28 46	13 31-1188	EA	Fiber Optics, Standard Network Repeater Board (Notifier RPT-F) .....	1,175.99	38.54
28 46	13 31-1189	EA	Wire, Standard Network Repeater Board (Notifier RPT-W) .....	961.49	38.54
28 46	13 31-1190	EA	Wire To Fiber Optics, Standard Network Repeater Board (Notifier RPT-WF).....	1,140.06	38.54
28 46	13 31-1191	EA	Signaling Line Circuit Integration Module (Notifier SLC-IM).....	1,270.03	38.54
28 46	13 31-1192	EA	VESDA Gateway That Provides A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanel™ (Notifier VESDA-HLI-GW) .....	2,623.60	38.54
28 46	13 31-1193	EA	Vesda™ High Level Interface Card Used With SLC-IM And Vesda-HLI-GW To Provide A Communication Link Between The Noti-Fire-Net™ Network And Vesda™ Detectors On The Vesdanel™ (Notifier VHX-1420-HFS) .....	2,737.20	38.54
28 46	13 31-1194	EA	Windows Hard Drive Upgrade (Notifier WIN7-UG-US-3).....	3,022.88	
28 46	13 31-1195	EA	Intuitive Color 10" Touch Screen Providing Color Coded Information Of Detailed System Status (Notifier NCD) .....	1,629.66	25.44
28 46	13 31-1196	EA	SWIFT Wireless Gateway With Flashscan (Notifier FWSG).....	518.40	38.54
28 46	13 31-1197		<b>NOTI-FIRE-NET Network Components</b> <small>(28 46 13 31-0805)</small>		
28 46	13 31-1198	EA	Interface Between NOTI-FIRE-NET 50 And BACnet (Notifier BACNET-GW-3) .....	2,768.85	38.54
28 46	13 31-1199	EA	Fiber Optic Network Communications Module (Notifier NCM-F).....	1,243.09	38.54
28 46	13 31-1200	EA	NOTI-FIRE-NET Web Server (Notifier NWS).....	2,768.85	38.54
28 46	13 31-1201	EA	Wired Network Communications Module (Notifier NCM-W).....	1,185.23	38.54
28 46	13 31-1202	EA	Fiber Optic Converter Module Mounting Kit (Notifier SMF-Kit) .....	145.53	19.27
28 46	13 31-1203		<b>FireWarden Addressable Fire Panels</b> <small>(28 46 13 31-0805)</small>		
28 46	13 31-1204	EA	50 Point, Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW-50).....	2,742.69	770.72
28 46	13 31-1205	EA	Black, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100) .....	3,189.22	770.72
28 46	13 31-1206	EA	Black, One DC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100C).....	3,344.09	385.36
28 46	13 31-1207	EA	Black, One SLC Loop, 240 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100E).....	3,344.09	385.36
28 46	13 31-1208	EA	Red, One SLC Loop, 120 Volt AC, 198 Point Addressable Fire Alarm Control Panel With Digital Alarm Communicator/Transmitter (Notifier NFW2-100R).....	3,331.42	385.36
28 46	13 31-1209	EA	Black, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, Built In Annunciator, 50 Point Addressable Fire Alarm Control Panel (Notifier NFW-50C) .....	3,764.64	385.36
28 46	13 31-1210	EA	Red, Built In Digital Alarm Communicator/Transmitter (DACT) With Modem For Remote Upload/Download, 50 Point Addressable Fire Alarm Control Panel (NFW-50R) .....	2,817.88	385.36
28 46	13 31-1211		<b>FireWarden Accessories</b> <small>(28 46 13 31-0805)</small>		
28 46	13 31-1212	EA	Intelligent Multicriteria Photo/Thermal Detector With Base (Notifier NP-A100).....	256.11	57.80
28 46	13 31-1213	EA	Intelligent Addressable Photo/Thermal Detector With Base (Notifier NP-100T) .....	244.21	57.80
28 46	13 31-1214		<b>FireWarden Devices</b> <small>(28 46 13 31-0805)</small>		
28 46	13 31-1215	EA	SLC Loop Powered Fault Isolator Module (Notifier N100-ISO).....	177.70	38.54
28 46	13 31-1216	EA	Intelligent Addressable Control Module (Notifier NC-100) .....	207.89	38.54
28 46	13 31-1217	EA	Intelligent Addressable Relay Module (Notifier NC-100R) .....	200.34	38.54
28 46	13 31-1218	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector (Notifier ND-100).....	510.79	57.80
28 46	13 31-1219	EA	Intelligent Addressable Low Flow Duct Photoelectric Smoke Detector With DPDT Relay (Notifier ND-100R) .....	614.34	57.80
28 46	13 31-1220	EA	Two Zone Intelligent Addressable, Two Wire Detector Monitor Module (Notifier NDM-100).....	200.34	38.54
28 46	13 31-1221	EA	Intelligent Addressable Thermal Detector With Base (Notifier NH-100).....	213.72	57.80
28 46	13 31-1222	EA	Intelligent Addressable High Temperature Thermal Detector With Base (Notifier NH-100H) .....	213.72	57.80
28 46	13 31-1223	EA	Intelligent Addressable Rate-Of-Rise Thermal Detector With Base (Notifier NH-100R) .....	213.72	57.80
28 46	13 31-1224	EA	Intelligent Addressable Ionization Smoke Detector With Base (Notifier NI-100).....	279.13	57.80
28 46	13 31-1225	EA	Intelligent Addressable Monitor Module (Notifier NMM-100).....	175.18	38.54
28 46	13 31-1226	EA	Intelligent Addressable Mini Monitor Module (Notifier NMM-100P).....	160.72	38.54
28 46	13 31-1227	EA	Intelligent Addressable Manual Pull Station (Notifier NOT-BG12LX).....	231.16	38.54
28 46	13 31-1228	EA	Intelligent Addressable Photoelectric Smoke Detector With Base (Notifier NP-100) .....	222.53	57.80
28 46	13 31-1229	EA	Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100) .....	256.94	38.54
28 46	13 31-1230	EA	Six Zone Intelligent Addressable 2-Wire Detector Monitor Module (Notifier NZM-100-6) .....	866.99	38.54
28 46	13 31-1231		<b>SFP-2402 And SFP-2404 2 And 4-Zone Control Panels And Accessories</b> <small>(28 46 13 31-0805)</small>		
28 46	13 31-1232	EA	120 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402).....	1,862.08	616.58
28 46	13 31-1233	EA	120 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404) .....	2,024.34	616.58
28 46	13 31-1234	EA	240 Volt AC, Two Zone Conventional Fire Alarm Control Panel (Notifier SFP-2402E).....	1,419.50	192.68
28 46	13 31-1235	EA	240 Volt AC, Four Zone Conventional Fire Alarm Control Panel (Notifier SFP-2404E).....	1,587.51	192.68
28 46	13 31-1236	EA	Class A Converter Module (Notifier CAC-4).....	473.57	38.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1237	EA		Internal Dress Plate, Required For FM And ULC (Notifier DP-4X).....	175.13	23.12
28 46 13 31-1238	EA		Remote Zone Annunciator (Notifier RZA-4X) .....	262.07	57.80
28 46 13 31-1239	EA		Red, Dress Panel (Notifier DP-51050).....	209.96	23.12
28 46 13 31-1240	EA		Black, Dress Panel (Notifier DP-51050B) .....	212.34	23.12
<b>28 46 13 31-1241</b>			<b>SFP-5UD 5 Zone Control Panels And Accessories</b> (28 46 13 31-0805)		
28 46 13 31-1242	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFP-5UD).....	2,793.00	770.72
28 46 13 31-1243	EA		120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDC) .....	4,937.76	578.05
28 46 13 31-1244	EA		240 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDE) .....	3,260.17	385.36
28 46 13 31-1245	EA		Red, 120 Volt AC, Five Zone Conventional Fire Alarm Control Panel (Notifier SFB-5UDR).....	3,260.17	385.36
28 46 13 31-1246	EA		Class A Converter Module (Notifier N-CAC-5X) .....	490.24	38.54
28 46 13 31-1247	EA		Red, Trim Ring For NFW2-100, NFW-50, SFB-5UD, SFB-10UD, RP-2001, RP-2002 Cabinet (Notifier TR-CE).....	189.12	23.12
28 46 13 31-1248	EA		Five Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-5UDC) .....	4,257.46	578.05
			Note: Includes internal dress panel with built-in annunciator module		
28 46 13 31-1249	EA		240 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDE).....	2,822.11	385.36
28 46 13 31-1250	EA		Red, 120 Volt AC, Five Zone Conventional Fire Control Panel With DACT And 3 Amperes Power Supply (Notifier SFP-5UDR) .....	2,799.92	385.36
<b>28 46 13 31-1251</b>			<b>SFP-10UD 10 Zone Control Panels And Accessories</b> (28 46 13 31-0805)		
28 46 13 31-1252	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDC).....	6,045.32	770.72
28 46 13 31-1253	EA		240 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDE) .....	4,521.46	578.05
28 46 13 31-1254	EA		120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFP-10UD) .....	3,145.20	770.72
28 46 13 31-1255	EA		Red, 120 Volt AC, 10 Zone Conventional Fire Alarm Control Panel With Built-In Digital Alarm Communicator Transmitter (Notifier SFB-10UDR).....	5,292.19	770.72
28 46 13 31-1256	EA		Four Channel, Dual Line, Stand Alone Fire Alarm Communicator (Fire-Lite 411UDAC) .....	769.57	115.61
28 46 13 31-1257	EA		10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply, ULC/UL Listed (Notifier SFP-10UDC) .....	5,282.85	770.72
			Note: Includes internal dress panel with built-in annunciator module		
28 46 13 31-1258	EA		240 Volt AC, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDE).....	3,943.64	578.05
28 46 13 31-1259	EA		Red, 10 Zone Conventional Fire Control Panel With DACT And 7 Amperes Power Supply (Notifier SFP-10UDR) .....	4,687.95	770.72
<b>28 46 13 31-1260</b>			<b>Smoke Detectors</b> (28 46 13 31-0805)		
28 46 13 31-1261	EA		Low Profile Intelligent Addressable Ionization Smoke Detector (Notifier FSI-851).....	296.74	57.80
28 46 13 31-1262	EA		Intelligent Addressable Laser Smoke Detector (Notifier FSL-751).....	480.38	57.80
28 46 13 31-1263	EA		Intelligent Addressable Laser Duct Smoke Detector (Notifier FSL-751D).....	1,496.17	57.80
28 46 13 31-1264	EA		Remote Test Capable Intelligent Addressable Photo Detector (Notifier NP-100R).....	231.11	57.80
			Note: For use with DNR(W) duct detector housing.		
28 46 13 31-1265	EA		Filters For Harsh Detector (Notifier RF-FTX) .....	28.31	
28 46 13 31-1266	EA		Key Activated Remote Test Station For Duct Smoke Detector (Notifier RTS151KEY) .....	181.16	38.54
28 46 13 31-1267	EA		Addressable Beam Detector With Reflector, UL Listed (Notifier FS-OSI-RI) .....	1,854.86	57.80
28 46 13 31-1268	EA		Intelligent Addressable Photo Detector With Flashscan, White (Notifier FSP-951) .....	239.74	57.80
28 46 13 31-1269	EA		Intelligent Addressable Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951-IV).....	259.39	57.80
28 46 13 31-1270	EA		Remote Test Capable Intelligent Photo Detector With Flashscan, White (Notifier FSP-951R).....	249.56	57.80
28 46 13 31-1271	EA		Remote Test Capable Intelligent Photo Detector With Flashscan And Clip, Ivory (Notifier FSP-951R-IV) .....	267.42	57.80
28 46 13 31-1272	EA		Intelligent Addressable Photo/Thermal Detector With Flashscan, White (Notifier FSP-951T) .....	250.75	57.80
28 46 13 31-1273	EA		Intelligent Addressable Photo/Thermal Detector With Flashscan, Ivory (Notifier FSP-951T-IV).....	268.61	57.80
28 46 13 31-1274	EA		Intelligent Addressable 135 Degree Thermal Detector With Flashscan, White (Notifier FST-951) .....	208.48	57.80
28 46 13 31-1275	EA		Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan (Notifier FST-951H) .....	208.48	57.80
28 46 13 31-1276	EA		Intelligent Addressable High Temperature 190 Degree Heat Detector With Flashscan And Clip, Ivory (Notifier FST-951H-IV) .....	225.15	57.80
28 46 13 31-1277	EA		Intelligent Addressable 135 Degree Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951-IV) .....	225.15	57.80
28 46 13 31-1278	EA		Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan, White (Notifier FST-951R) .....	208.48	57.80
28 46 13 31-1279	EA		Intelligent Addressable Rate-of-Rise Thermal Detector With Flashscan And Clip, Ivory (Notifier FST-951R-IV) .....	225.15	57.80
28 46 13 31-1280	EA		Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, White (Notifier FSV-951R).....	518.07	57.80
28 46 13 31-1281	EA		Low Profile Intelligent Addressable High Sensitivity Detector With Flashscan, Ivory (Notifier FSV-951R-IV).....	553.79	57.80
28 46 13 31-1282	EA		Wireless Photo-Heat Detector, Acclimate, With Flashscan (Notifier FWD-200ACCLIMATE).....	516.88	57.80
			Note: Requires B210W base, ordered separately		
28 46 13 31-1283	EA		Wireless Photo Detector With Flashscan (Notifier FWD-200P) .....	477.58	57.80
			Note: Requires B210W base, ordered separately		
28 46 13 31-1284	EA		Wireless Fixed Temp Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200FIX135) .....	435.91	57.80
			Note: Requires B210W base, ordered separately		
28 46 13 31-1285	EA		Wireless ROR Heat Detector, 135 Degree, With Flashscan (Notifier FWH-200ROR135) .....	435.91	57.80
			Note: Requires B210W base, ordered separately		
28 46 13 31-1286	EA		Intelligent Addressable Carbon Monoxide Detector With Flashscan (Notifier FPC-951) .....	323.98	57.80
28 46 13 31-1287	EA		Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-250) .....	2,838.60	57.80
			Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
28 46 13 31-1288	EA		Built In Circular Display, 3 Alarm Levels, Smoke Detector (Notifier VLF-500) .....	3,472.69	57.80
			Note: Use for areas up to 2,500 square feet. Adjustable sensitivity range is 0.008 - 6% ro 6.4 /Ft. Obs.		
<b>28 46 13 31-1289</b>			<b>Pull Stations</b> (28 46 13 31-0805)		
28 46 13 31-1290	EA		Trim Ring For NBG12 Series Pull Station (Notifier BG12TR) .....	40.18	7.71
28 46 13 31-1291	EA		One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2).....	100.72	19.27
28 46 13 31-1292	EA		Red, One End Tapped For 1/2" Conduit, Aluminum, Surface Mounted Backbox (Notifier BG-2R).....	88.07	19.27
28 46 13 31-1293	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1).....	136.66	38.54
28 46 13 31-1294	EA		DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1F).....	149.62	38.54

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1295	EA		Terminal Switch, DPDT Switch, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1FTS).....	200.58	38.54
28 46 13 31-1296	EA		Red Body, Silver Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1R).....	136.66	38.54
28 46 13 31-1297	EA		Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TS).....	155.66	38.54
28 46 13 31-1298	EA		Standard Local Style Red Letters, Spring Retainer, Aluminum Single Action Pull Station With Terminal Strip (Notifier BNG-1TSL).....	155.66	38.54
28 46 13 31-1299	EA		Terminal Strip, Red Body, Red Letters, Spring Retainer, Aluminum Single Action Pull Station (Notifier BNG-1TSR).....	155.66	38.54
28 46 13 31-1300	EA		Red Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1).....	147.89	38.54
28 46 13 31-1301	EA		Red Body, Silver Letters, Breakglass, Aluminum Single Action Pull Station (Notifier BRG-1R).....	159.12	38.54
28 46 13 31-1302	EA		Hazardous, Non-Hazardous, Weatherproof, Harsh Locations Fire Alarm Pull Station (Notifier HAZ-WP-PULL).....	954.72	46.24
28 46 13 31-1303	EA		Red, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12L).....	128.96	38.54
28 46 13 31-1304	EA		Red, Outdoor, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LOB).....	274.88	46.24
28 46 13 31-1305	EA		Red, Presignal, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LPS).....	182.74	38.54
28 46 13 31-1306	EA		Red, Agent Releasing, Key Lock, Dual Action Fire Alarm Pull Station (Notifier NBG-12LR).....	155.66	38.54
28 46 13 31-1307	EA		Addressable Manual Dual Action Fire Alarm Pull Station (Notifier NBG-12LX).....	232.41	38.54
28 46 13 31-1308	EA		Pull Station Trim Plate For New York City, For Use With All NBG Series Pull Stations (Notifier NY-PLATE).....	72.41	7.71
28 46 13 31-1309	EA		Dual Action, Wireless Pull Station (Notifier NBG-12WL).....	503.28	46.24
<b>28 46 13 31-1310 Rate Compensation Heat Detectors (28 46 13 31-0805)</b>					
28 46 13 31-1311	EA		135 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-135).....	226.30	57.80
28 46 13 31-1312	EA		194 Degree F Explosion Proof Rate Compensation Heat Detectors (Edwards Signaling 302-EPM-194).....	226.30	57.80
<b>28 46 13 31-1313 FM Series Door Releases (28 46 13 31-0805)</b>					
28 46 13 31-1314	EA		1/2" Door Holder Spacer (Notifier FM900-50).....	38.21	11.56
28 46 13 31-1315	EA		3/4" Door Holder Spacer (Notifier FM900-75).....	38.21	11.56
28 46 13 31-1316	EA		1" Door Holder Spacer (Notifier FM900-100).....	38.21	11.56
28 46 13 31-1317	EA		Door Holder Extension Kit (Notifier FM900).....	40.10	11.56
28 46 13 31-1318	EA		90 Degree Door Holder Extension Kit (Notifier FM900-Z).....	40.73	11.56
28 46 13 31-1319	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mounted, Door Holder (Notifier FM980).....	248.78	57.80
28 46 13 31-1320	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mounted, Door Holder (Notifier FM996).....	221.27	57.80
28 46 13 31-1321	EA		12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mounted, Concealed Wiring, Door Holder (Notifier FM998).....	221.27	57.80
<b>28 46 13 31-1322 Multicriteria Fire Detector (28 46 13 31-0805)</b>					
28 46 13 31-1323	EA		Intelligent Addressable Combination Multi-Criteria Fire/Carbon Monoxide Detector With Flashscan (Notifier FCO-851).....	383.52	57.80
28 46 13 31-1324	EA		Intelligent Addressable Multicriteria Fire Detector (Notifier FSC-851)..... Note: Detects fire, thermal, photo, CO and IR, with Flashscan.	382.33	57.80
28 46 13 31-1325	EA		Multi-Criteria Photo/Temp/Infrared Detector, White (Notifier FPTI-951).....	256.11	57.80
28 46 13 31-1326	EA		Multi-Criteria Photo/Temp/Infrared Detector, Ivory (Notifier FPTI-951-IV).....	264.45	57.80
28 46 13 31-1327	EA		Intelligent Addressable Combination Multi-Criteria Photoelectric And Carbon Monoxide Detector With Flashscan (Notifier FSCO-951).....	383.52	57.80
<b>28 46 13 31-1328 Modules (28 46 13 31-0805)</b>					
28 46 13 31-1329	EA		Intelligent Addressable Dual Monitor/Dual Relay Module (Notifier FDRM-1).....	447.38	38.54
28 46 13 31-1330	EA		Addressable Firephone Control Module (Notifier FTM-1).....	281.87	38.54
28 46 13 31-1331	EA		Wireless Monitor Module With Flashscan (Notifier FW-MM).....	433.09	38.54
28 46 13 31-1332	EA		Wireless Relay Module With Flashscan (Notifier FW-RM).....	498.58	38.54
28 46 13 31-1333	EA		Wireless Sync Module (Notifier W-SYNC).....	460.63	38.54
<b>28 46 13 31-1334 DH Series Door Releases (28 46 13 31-0805)</b>					
28 46 13 31-1335	EA		Semi-Flush, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120FPC).....	243.91	57.80
28 46 13 31-1336	EA		Semi-Flush, Plated Brass, Electromagnetic Door Holder (Notifier DH24120FB).....	258.49	57.80
28 46 13 31-1337	EA		Semi-Flush, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120FD).....	272.19	57.80
28 46 13 31-1338	EA		Surface Mounted, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120SPC).....	268.61	57.80
28 46 13 31-1339	EA		Surface Mounted, Plated Brass, Electromagnetic Door Holder (Notifier DH24120SB).....	280.52	57.80
28 46 13 31-1340	EA		Surface Mounted, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120SPD).....	290.64	57.80
28 46 13 31-1341	EA		Recessed, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120WPC).....	243.91	57.80
28 46 13 31-1342	EA		Recessed, Plated Brass, Electromagnetic Door Holder (Notifier DH24120WB).....	256.71	57.80
28 46 13 31-1343	EA		Recessed, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120WD).....	272.19	57.80
28 46 13 31-1344	EA		Floor Mounted, Single Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC1).....	304.93	57.80
28 46 13 31-1345	EA		Floor Mounted, Single Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB1).....	323.98	57.80
28 46 13 31-1346	EA		Floor Mounted, Single Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD1).....	346.01	57.80
28 46 13 31-1347	EA		Floor Mounted, Double Door, Powder Coated Chrome, Electromagnetic Door Holder (Notifier DH24120GPC2).....	351.37	57.80
28 46 13 31-1348	EA		Floor Mounted, Double Door, Plated Brass, Electromagnetic Door Holder (Notifier DH24120GB2).....	373.99	57.80
28 46 13 31-1349	EA		Floor Mounted, Double Door, Powder Coated Dark Bronze, Electromagnetic Door Holder (Notifier DH24120GPD2).....	401.38	57.80
28 46 13 31-1350	EA		0.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE.5PC).....	28.45	7.71
28 46 13 31-1351	EA		0.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE.5B).....	28.45	7.71
28 46 13 31-1352	EA		0.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE.5D).....	30.89	7.71
28 46 13 31-1353	EA		1" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1PC).....	28.45	7.71
28 46 13 31-1354	EA		1" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1B).....	28.45	7.71
28 46 13 31-1355	EA		1" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1D).....	30.89	7.71
28 46 13 31-1356	EA		1.5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5PC).....	29.70	7.71
28 46 13 31-1357	EA		1.5" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE1.5APC).....	29.70	7.71
28 46 13 31-1358	EA		1.5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE1.5B).....	30.89	7.71
28 46 13 31-1359	EA		1.5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE1.5D).....	32.26	7.71
28 46 13 31-1360	EA		2" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2PC).....	32.26	7.71
28 46 13 31-1361	EA		2" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE2APC).....	32.26	7.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1362	EA		2" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE2B).....	33.51	7.71
28 46 13 31-1363	EA		2" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE2D).....	33.51	7.71
28 46 13 31-1364	EA		3" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE3PC).....	33.51	7.71
28 46 13 31-1365	EA		3" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE3B).....	34.88	7.71
28 46 13 31-1366	EA		3" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE3D).....	34.88	7.71
28 46 13 31-1367	EA		4" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4PC).....	36.13	7.71
28 46 13 31-1368	EA		4" Adjustable Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE4APC).....	36.13	7.71
28 46 13 31-1369	EA		4" Adjustable Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE4AB).....	37.50	7.71
28 46 13 31-1370	EA		4" Adjustable Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE4AD).....	41.37	7.71
28 46 13 31-1371	EA		5" Extension Rod, Powder Coated Chrome, Electromagnetic Door Holder Extension (Notifier DHE5PC).....	40.06	7.71
28 46 13 31-1372	EA		5" Extension Rod, Plated Brass, Electromagnetic Door Holder Extension (Notifier DHE5B).....	38.75	7.71
28 46 13 31-1373	EA		5" Extension Rod, Powder Coated Dark Bronze, Electromagnetic Door Holder Extension (Notifier DHE5D).....	41.37	7.71
28 46 13 31-1374	EA		Catch Plate, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHCP).....	39.97	11.56
28 46 13 31-1375	EA		Catch Plate, Plated Brass For Electromagnetic Door Holder (Notifier DHCPB).....	41.22	11.56
28 46 13 31-1376	EA		Catch Plate, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHCPD).....	45.21	11.56
28 46 13 31-1377	EA		Swivel Base, Powder Coated Chrome, For Electromagnetic Door Holder (Notifier DHSBPC).....	71.11	11.56
28 46 13 31-1378	EA		Swivel Base, Plated Brass, For Electromagnetic Door Holder (Notifier DHSBB).....	74.92	11.56
28 46 13 31-1379	EA		Swivel Base, Powder Coated Dark Bronze, For Electromagnetic Door Holder (Notifier DHSBD).....	78.73	11.56
28 46 13 31-1380	EA		Surface Mounted Backbox, Powder Coated Chrome For Electromagnetic Door Holder (Notifier DHBPC).....	68.31	19.27
28 46 13 31-1381	EA		Surface Mounted Backbox, Plated Brass For Electromagnetic Door Holder (Notifier DHBBC).....	70.93	19.27
28 46 13 31-1382	EA		Surface Mounted Backbox, Powder Coated Dark Bronze For Electromagnetic Door Holder (Notifier DHBBD).....	76.17	19.27
28 46 13 31-1383	EA		Swivel Base Mounting Drill Fixture For Electromagnetic Door Holder (Notifier DHDF).....	367.93	
<b>28 46 13 31-1384 First Command (28 46 13 31-0805)</b>					
28 46 13 31-1385	EA		Black, 120 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100).....	7,308.87	963.40
28 46 13 31-1386	EA		Black, 220-240 Volt AC, 50 Watt, 25 VRMS, One Class A/B Speaker Circuit, Primary Operating Console (Notifier NFC-50/100E).....	7,372.26	963.40
28 46 13 31-1387	EA		Black, 120 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DA).....	1,849.94	77.07
28 46 13 31-1388	EA		Black, 220-240 Volt AC, 50 Watt, 25 VRMS Or 70 VRMS), Four Class A/B Speaker Circuits, Distributed (Remote) Audio Amplifier (Notifier NFC-50DAE).....	1,897.49	77.07
28 46 13 31-1389	EA		Black, 120 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DA).....	3,330.31	77.07
28 46 13 31-1390	EA		Black, 220-240 Volt AC, 125 Watt, 25 VRMS, Four Class A/B Speaker Outputs, Distributed Audio Amplifier (Notifier NFC-125DAE).....	3,435.97	77.07
28 46 13 31-1391	EA		50 Watt, 25 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-25 Volt).....	870.58	38.54
28 46 13 31-1392	EA		50 Watt, 70 VRMS Audio Amplifier Module For A Second Speaker Circuit Or Backup (Notifier NFC-BDA-70 Volt).....	870.58	38.54
28 46 13 31-1393	EA		Circuit Expander Module For NFC-50/125DA(E), Four Additional Class A/B Speaker Circuits (Notifier NFC-CE4).....	558.11	38.54
28 46 13 31-1394	EA		Circuit Expander Module For NFC-50/100(E), Six Additional Class A/B Speaker Circuits (Notifier NFC-CE6).....	699.44	38.54
28 46 13 31-1395	EA		Standalone Firefighter Telephone System (Notifier NFC-FFT).....	2,479.71	77.07
28 46 13 31-1396	EA		Note: Includes onboard SLC supports up to 24 monitor modules, built-in handset, black. Local Operator Console (Notifier NFC-LOC).....	2,428.99	77.07
28 46 13 31-1397	EA		Note: Includes built-in microphone, message and zone control switches, black. Black, Remote Microphone (Notifier NFC-RM).....	691.67	
28 46 13 31-1398	EA		Remote Page Unit (Notifier NFC-RPU).....	2,064.44	77.07
28 46 13 31-1399	EA		Note: Includes built-in microphone, message control switches, black. 70 V Conversion Module For NFC-50/100 (Notifier NFC-XRM-70V).....	425.95	38.54
28 46 13 31-1400	EA		Firefighters Phone Jack (Notifier N-FPJ).....	192.79	11.56
28 46 13 31-1401	EA		Thumbatch Option For NFC-LOC And NFC-RPU (Notifier THUMBLTCH).....	55.98	11.56
28 46 13 31-1402	EA		Black, Trim Ring For NFC-RPU Cabinet (Notifier TR-6-B).....	176.32	23.12
<b>28 46 13 31-1403 LED Displays (28 46 13 31-0805)</b>					
28 46 13 31-1404	EA		2.1" x 27" Programmable LED Indoor Display (Notifier ALPHA-215).....	1,901.47	46.24
28 46 13 31-1405	EA		Instant And Integrated Emergency Notification System (Notifier LEDSIGN-GW).....	2,670.89	61.66
28 46 13 31-1406	EA		4" x 45-1/2" Programmable LED Array, Mass Notification Device (Notifier MEGADOT).....	2,701.54	61.66
28 46 13 31-1407	EA		8 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL8).....	2,595.87	61.66
28 46 13 31-1408	EA		16 Messages, FACP Interface For LED Arrays (Notifier MNS-CONTROL16).....	3,620.82	61.66
28 46 13 31-1409	EA		LED Sign, Instant And Integrated Emergency Notification System (Notifier OAX2-24V).....	2,754.37	61.66
<b>28 46 13 31-1410 Control Relays (28 46 13 31-0805)</b>					
28 46 13 31-1411	EA		Single SPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-101/CR).....	89.38	19.27
28 46 13 31-1412	EA		Single SPDT Relay With LED With Track Mounting Hardware (Notifier MR-101/T).....	69.26	19.27
28 46 13 31-1413	EA		Four Position SPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-104/CR).....	240.79	38.54
28 46 13 31-1414	EA		Four Position SPDT Relay With LED With Track Mounting Hardware (Notifier MR-104/T).....	134.09	19.27
28 46 13 31-1415	EA		Four Position DSPDT Relay With LED With Track Mounting Hardware (Notifier MR-204/T).....	158.80	19.27
28 46 13 31-1416	EA		24 Volt DC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-13C).....	247.34	38.54
28 46 13 31-1417	EA		120 Volt AC, 30 Amperes Contacts, DPDT Relay In Steel Enclosure (Notifier MR-199X-14C).....	247.34	38.54
28 46 13 31-1418	EA		Single DPDT Relay With LED With Metal Backbox And Red Plastic Cover (Notifier MR-201/CR).....	131.84	38.54
28 46 13 31-1419	EA		Single DPDT Relay With LED With Track Mounting Hardware (Notifier MR-201/T).....	74.50	19.27
28 46 13 31-1420	EA		Four Position DPDT Relay With LEDs With Metal Backbox And Red Plastic Cover (Notifier MR-204/CR).....	262.22	38.54
28 46 13 31-1421	EA		24 Volt DC / 24 Volt AC / 115 Volt AC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-1).....	98.74	38.54
28 46 13 31-1422	EA		12/24 Volt DC, 7 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-2).....	98.74	38.54
28 46 13 31-1423	EA		9 To 40 Volt DC, 10 Amperes, Form C, Multi-Voltage Relay Module (Notifier PAM-4).....	98.74	38.54
<b>28 46 13 31-1424 Gamewell-FCI Fire Control Instruments (28 46 13 31-0805)</b>					
28 46 13 31-1425			7100 Series And NetSOLO® (28 46 13 31-1424)		
28 46 13 31-1426			7100 Compact Analog Addressable Fire Alarm Control Panels (28 46 13 31-1425)		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1427	EA		Enclosure With Metal Door (Gamewell-FCI 7100-ENCL-M) .....	1,334.24	462.44
28 46 13 31-1428	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2) .....	5,592.83	770.72
28 46 13 31-1429	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC) (Gamewell-FCI BK-7100-2D) .....	6,069.31	770.72
28 46 13 31-1430	EA		Basic Systems Kit, 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2-E) .....	5,592.83	770.72
28 46 13 31-1431	EA		Basic Systems Kit, With Digital Alarm Communicator Transmitter (DACT), 2 Signaling Line Circuits (SLC), 240 Volt AC (Gamewell-FCI BK-7100-2D-E) .....	6,069.31	770.72
28 46 13 31-1432	EA		Removal And Replacement Of Board For 7100-1D (Gamewell-FCI BSM-7100-1) .....	1,622.18	
28 46 13 31-1433	EA		Removal And Replacement Of Board For 7100-2 (Gamewell-FCI BSM-7100-1D) .....	1,940.95	
28 46 13 31-1434	EA		Analog Loop Unit (Gamewell-FCI ALU) .....	1,940.95	77.07
<b>28 46 13 31-1435</b>			<b>NetSOLO® Intelligent Network</b> (28 46 13 31-1425)		
28 46 13 31-1436	EA		Intelligent Network Interface Module, Fiber Optic (Gamewell-FCI INI-7100-FO) .....	2,150.67	77.07
			Note: Mounted in 7100 panel.		
28 46 13 31-1437	EA		Intelligent Network Interface Module, Unshielded Twisted Pair (Gamewell-FCI INI-7100-UTP) .....	1,712.78	77.07
			Note: Mounted in 7100 panel.		
<b>28 46 13 31-1438</b>			<b>Components And Accessories</b> (28 46 13 31-1425)		
28 46 13 31-1439	EA		Remote Serial Annunciator, LCD Display (Gamewell-FCI LCD-7100) .....	1,065.22	57.80
28 46 13 31-1440	EA		Remote LED Driver Module, Outputs For Remote Panel Switches And 33 Remote LEDs (Gamewell-FCI LDM-7100) .....	818.53	77.07
28 46 13 31-1441	EA		Fiber Optic Line Driver Module (Gamewell-FCI FLD-1) .....	1,484.60	77.07
28 46 13 31-1442	EA		Class "A" Optional Module For Both Signaling Line Circuits (SLC) (Gamewell-FCI CAOM) .....	610.49	77.07
28 46 13 31-1443	EA		Enclosure Box (Gamewell-FCI EN-7100) .....	521.37	154.14
28 46 13 31-1444	EA		Serial Printer (Order RJAA To Db25 Connector Separately) (Gamewell-FCI P7200-TR-2) .....	1,540.08	38.54
<b>28 46 13 31-1445</b>			<b>E3 Series® Basic System</b> (28 46 13 31-1424)		
28 46 13 31-1446	EA		Intelligent Loop Interface, Mother Board (Gamewell-FCI ILI-MB-E3) .....	1,449.60	77.07
28 46 13 31-1447	EA		Intelligent Loop Interface, Supplemental (Gamewell-FCI ILI-S-E3) .....	1,252.31	77.07
28 46 13 31-1448	EA		Intelligent Loop Interface, Mother Board, XP95 Protocol (Gamewell-FCI ILI95-MB-E3) .....	1,449.60	77.07
28 46 13 31-1449	EA		Intelligent Loop Interface, Supplemental, XP95 Protocol (Gamewell-FCI ILI95-S-E3) .....	1,252.31	77.07
28 46 13 31-1450	EA		LCD Keypad Display (Gamewell-FCI LCD-E3) .....	915.92	77.07
28 46 13 31-1451	EA		Power Supply Module (Gamewell-FCI PM-9) .....	1,193.13	77.07
28 46 13 31-1452	EA		Transponder 9 Amperes Power Supply (Gamewell-FCI PM-9 INX) .....	1,007.73	77.07
28 46 13 31-1453	EA		Power Supply And Charger, 120/220 Volt AC (Gamewell-FCI PM-9G 9A) .....	986.83	38.54
28 46 13 31-1454	EA		Digital Alarm Communication Transmitter (Gamewell-FCI DACT-E3) .....	581.61	77.07
28 46 13 31-1455	EA		Network Repeater, Fiber Optic (Gamewell-FCI RPT-E3-FO) .....	1,524.27	77.07
28 46 13 31-1456	EA		Network Repeater, Unshielded Twisted Pair (Gamewell-FCI RPT-E3-UTP) .....	1,280.38	77.07
28 46 13 31-1457	EA		Local Operating Console (Gamewell-FCI 1100-0455) .....	856.39	57.80
28 46 13 31-1458	EA		Network Graphic Annunciator (Gamewell-FCI 1100-0505) .....	2,726.58	57.80
28 46 13 31-1459	EA		70.7 VRMS Audio Output Series Amplifier Module (Gamewell-FCI AM-50-70) .....	1,096.37	77.07
28 46 13 31-1460	EA		INI-VGE-UTP Classic Enabled Voice Gateway Module (Gamewell-FCI 1100-1326) .....	3,299.67	77.07
28 46 13 31-1461	EA		8-1/4" Wide x 10" High x 4-1/2" Deep Cabinet (Gamewell-FCI E3BB-BAA1) .....	798.44	154.14
28 46 13 31-1462	EA		C Size, Black, Command Center Enclosure (Gamewell-FCI E3BB-BC/INCC) .....	598.57	154.14
28 46 13 31-1463	EA		Double Size, Blank, Inner Door Panel (Gamewell-FCI E3-BP) .....	132.59	38.54
28 46 13 31-1464	EA		Programmable Switch Module (Gamewell-FCI ASM-16) .....	774.80	77.07
28 46 13 31-1465	EA		LED Driver module (Gamewell-FCI ANU-48) .....	774.80	77.07
28 46 13 31-1466	EA		Network Graphic Annunciator (Gamewell-FCI NGA) .....	2,288.62	57.80
<b>28 46 13 31-1467</b>			<b>Addressable Devices, Module, Pulls And Accessories</b> (28 46 13 31-1424)		
<b>28 46 13 31-1468</b>			<b>Velociti® Series Sensors And Bases</b> (28 46 13 31-1467)		
28 46 13 31-1469	EA		Analog Addressable Plug-In Ionization Smoke Sensor (Gamewell-FCI ASD-IL2F) .....	253.19	57.80
28 46 13 31-1470	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor (Gamewell-FCI ASD-PL2F) .....	258.22	57.80
28 46 13 31-1471	EA		Analog Addressable Plug-In Photoelectric Smoke Sensor With 135 Degree F Fixed Temperature Thermal Sensing (Gamewell-FCI ASD-PTL2F) .....	273.32	57.80
28 46 13 31-1472	EA		Addressable Plug-In Thermal Sensor, 15 Degree F Rate Of Rise, 135 Degree F (Gamewell-FCI ATD-RL2F) .....	212.92	57.80
28 46 13 31-1473	EA		Addressable Plug-In Thermal Sensor, 190 Degree F (Gamewell-FCI ATD-HL2F) .....	221.31	57.80
28 46 13 31-1474	EA		Addressable Plug-In Thermal Sensor, 135 Degree F (Gamewell-FCI ATD-L2F) .....	212.92	57.80
28 46 13 31-1475	EA		Addressable Plug-In Multi-Criteria Analog Sensor (Gamewell-FCI MCS-ACCLIMATE2F) .....	308.55	57.80
28 46 13 31-1476	EA		Analog Addressable Laser Smoke Sensor, Low Profile (Gamewell-FCI ASD-LS) .....	660.88	57.80
28 46 13 31-1477	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector Without Relay (Gamewell-FCI ADPF) .....	570.18	96.34
28 46 13 31-1478	EA		Analog Addressable Low Flow Photoelectric Smoke Duct Detector With Relay (Gamewell-FCI ADPRF) .....	637.29	96.34
28 46 13 31-1479	EA		Removal And Replacement Of Duct Detector Board (Gamewell-FCI ADP-F-SB) .....	321.87	
28 46 13 31-1480	EA		Flanged Mounting Base, For Use With Analog Sensor Or Velociti Sensors (Gamewell-FCI ADB-FLF) .....	65.38	19.27
28 46 13 31-1481	EA		Harsh Environment Analog Addressable Photoelectric Smoke Sensor (Gamewell-FCI ASD-FILTREX-F) .....	711.21	57.80
28 46 13 31-1482	EA		Flanged Mounting Base, For Use With ASD-FILTREX Or ASD-FILTREX-F (Gamewell-FCI ADB-FILTREXF) .....	143.40	19.27
28 46 13 31-1483	EA		Addressable Single-Ended Reflected Beam Smoke Sensor (Gamewell-FCI ABD-2F) .....	2,496.19	115.61
<b>28 46 13 31-1484</b>			<b>Velociti® Series Modules And Pull Station</b> (28 46 13 31-1467)		
28 46 13 31-1485	EA		Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2F) .....	183.61	38.54
28 46 13 31-1486	EA		Dual Style B, Class B Addressable Monitor Module (Gamewell-FCI AMM-2IF) .....	290.15	38.54
28 46 13 31-1487	EA		Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4F) .....	200.39	38.54
28 46 13 31-1488	EA		Subloop Style D, Class A Addressable Monitor Module (Gamewell-FCI AMM-4SF) .....	278.40	38.54
28 46 13 31-1489	EA		Addressable Output Relay Control Module (Gamewell-FCI AOM-2RF) .....	233.94	38.54
28 46 13 31-1490	EA		Addressable Output Supervised Module (Gamewell-FCI AOM-2SF) .....	242.33	38.54
28 46 13 31-1491	EA		Addressable Double Action Station, With AMM-2SF Mini-Mod (Gamewell-FCI MS-7AF) .....	344.57	77.07
28 46 13 31-1492	EA		Addressable Single Action Pull Station (Gamewell-FCI MS-7ASF) .....	249.88	38.54
28 46 13 31-1493	EA		Telephone Filters (Gamewell-FCI AOM-TEL-FL) .....	40.58	7.71



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>28 46 13 31-1494 Components And Accessories (28 46 13 31-1497)</b>					
28 46 13 31-1495	EA		Remote LED Annunciator Alarm (Gamewell-FCI RA400Z) ..... Note: Mounts on single gang box.	103.60	30.83
28 46 13 31-1496	EA		Up To 2' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-1.5) .....	51.80	15.41
28 46 13 31-1497	EA		>2' To 4' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-3) .....	55.16	15.41
28 46 13 31-1498	EA		>4' To 8' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-5) .....	66.22	19.27
28 46 13 31-1499	EA		>8' To 10' Wide Ducts Metal Sampling Tube (Gamewell-FCI ST-10) .....	104.96	23.12
28 46 13 31-1500	EA		Remote Test Station With LED Alarm And Magnet Test Switch (Gamewell-FCI RTS451)..... Note: Mounts on single gang box.	155.61	30.83
<b>28 46 13 31-1501 Fixed And Rate of Rise Heat Detectors (28 46 13 31-1467)</b>					
28 46 13 31-1502	EA		135 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5601P) .....	144.13	57.80
28 46 13 31-1503	EA		194 Degree F Fixed Temperature And Rate Of Rise Heat Detector (Gamewell-FCI 5602).....	144.13	57.80
28 46 13 31-1504	EA		135 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5603) .....	143.83	57.80
28 46 13 31-1505	EA		194 Degree F Fixed Temperature Heat Detector (Gamewell-FCI 5604) .....	143.83	57.80
<b>28 46 13 31-1506 NAC Expander/Power Supply (28 46 13 31-1467)</b>					
28 46 13 31-1507	EA		FireForce 8 NAC Expander/Power Supply, 12/24 Volt DC, 8 Amperes, 4 Notification Appliance Circuits, Built-in Synchronization Protocols For Gamewell, Wheelock, Gentex, Faraday, And System Sensor (Gamewell-FCI FF8).....	2,441.15	616.58
28 46 13 31-1508	EA		6A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-6).....	2,122.37	616.58
28 46 13 31-1509	EA		9A Supplementary Notification Appliance Circuit Power Supply With Sync (Gamewell-FCI GFPS-9).....	2,281.76	616.58
<b>28 46 13 31-1510 Batteries And Accessories (28 46 13 31-1424)</b>					
28 46 13 31-1511	EA		B-17R, 12 Volt DC, 17 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2010A) .....	365.64	38.54
28 46 13 31-1512	EA		B-55R, 12 Volt DC, 55 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2710A) .....	912.59	38.54
28 46 13 31-1513	EA		B-7R, 12 Volt DC, 7 Ampere Hours Sealed Lead Acid Battery (Gamewell-FCI 100-2311A) .....	197.87	38.54
28 46 13 31-1514	EA		BC-1, Battery Cabinet, Beige (Gamewell-FCI 1100-0653) .....	457.81	77.07
28 46 13 31-1515	EA		BC-1R, Battery Cabinet, Red (Gamewell-FCI 1100-0654) .....	457.81	77.07
28 46 13 31-1516	EA		12" High x 12" Wide x 24" Length Vented Steel Battery Cabinet With Hinged Key Lockable Cover (Gamewell-FCI GW70970).....	409.16	77.07
<b>28 46 13 31-1517 Electronic Door Holders (28 46 13 31-1424)</b>					
Note: Rixon products.					
28 46 13 31-1518	EA		XK-996, Door Holder Extender Kit, 1-1/2" Spacer (Gamewell-FCI 140-30000).....	64.74	7.71
28 46 13 31-1519	EA		FM-980, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Door Holder(Gamewell-FCI 140-90000) .....	518.27	57.80
28 46 13 31-1520	EA		FM-981, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Floor Mount Holder For Double Doors (Gamewell-FCI 140-90001) .....	701.15	57.80
28 46 13 31-1521	EA		FM-990, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Low Profile Mount Door Holder (Gamewell-FCI 140-90002).....	336.07	57.80
28 46 13 31-1522	EA		FM-996, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Surface Mount Door Holder (Gamewell-FCI 140-90003).....	320.97	57.80
28 46 13 31-1523	EA		FM-997, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder (Gamewell-FCI 140-90004) .....	336.07	57.80
28 46 13 31-1524	EA		FM-998, 12 Volt DC, 24 Volt AC/DC Or 120 Volt AC, Recessed Mount Door Holder With Concealed Wiring (Gamewell-FCI 140-90005) .....	335.40	57.80
<b>28 46 13 31-1525 Fire Alarm Programming (28 46 13 31-1424)</b>					
Note: For device replacement projects only. Tasks not to be used on projects where a fire alarm panel is replaced.					
28 46 13 31-1526	EA		Program And Test Up To 5 Total Fire Alarm Devices..... Note: No additional labor is required to complete this task	500.00	
28 46 13 31-1527	EA		Program And Test >5 To 20 Total Fire Alarm Devices .....	1,000.00	
28 46 13 31-1528	EA		Program And Test >20 To 50 Total Fire Alarm Devices .....	2,000.00	
Note: No additional labor is required to complete this task					
<b>28 46 13 31-1529 Fire-Lite Fire Alarm (28 46 13 31-0804)</b>					
<b>28 46 13 31-1530 Intelligent Addressable Fire Alarm Control Panel (28 46 13 31-1529)</b>					
28 46 13 31-1531	EA		50 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-50X) .....	1,422.19	308.29
28 46 13 31-1532	EA		198 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-200X) .....	1,809.15	346.82
28 46 13 31-1533	EA		954 Point, Addressable Fire Alarm Control Panels (Fire-Lite ES-1000X ) .....	2,642.00	385.36
28 46 13 31-1534	EA		Loop Expander Module (Fire-Lite SLC-3LS).....	760.00	57.80
28 46 13 31-1535	EA		Optional Cabinet For 1 Or 2 Modules (Fire-Lite BB-2F).....	221.69	38.54
28 46 13 31-1536	EA		Optional Cabinet For Up To 6 Modules Mounted On CHS-6 (Fire-Lite BB-6F) .....	306.47	38.54
28 46 13 31-1537	EA		Battery Backbox (Fire-Lite BB-26) .....	188.06	23.12
28 46 13 31-1538	EA		Battery Box (Fire-Lite BB-55F).....	338.53	23.12
28 46 13 31-1539	EA		Chassis, Mounts Up To 6 Multi-Modules In A BB-6F Cabinet (Fire-Lite CHS-6) .....	96.94	15.41
28 46 13 31-1540	EA		Chassis, Mounts Up To Six Multi-Modules In A BB-6F Cabine (Fire-Lite CHG-75) .....	787.20	38.54
28 46 13 31-1541	EA		Battery Charger For Lead-Acid Batteries With A Rating Of 25 To 75 AH (Fire-Lite CHG-120F) .....	1,675.70	77.07
28 46 13 31-1542	EA		6 AMP, NAC Expander Power Supply (Fire-Lite FL-PS6) .....	910.16	38.54
28 46 13 31-1543	EA		10 AMP, NAC Expander Power Supply (Fire-Lite FL-PS10) .....	939.89	38.54
28 46 13 31-1544	EA		Remote, Red LCD Annunciator Mimics The Information Displayed On The Face LCD Display (Fire-Lite ANN-80).....	378.15	38.54
28 46 13 31-1545	EA		Led Driver Module Provides Connections To A User Supplied Graphic Annunciator (Fire-Lite ANN-I/O) .....	459.06	38.54
28 46 13 31-1546	EA		Annunciator Module Provides Three Leds For Each Zone: Alarm, Trouble, And Supervisory. Ships With Red Enclosure (Fire-Lite ANN-LED) .....	403.57	38.54
28 46 13 31-1547	EA		Provides Alarm (Red) Indicators For Up To 30 Input Zones Or Addressable Points (Fire-Lite ANN-RLED).....	403.57	38.54
28 46 13 31-1548	EA		Relay Module Provides 10 Programmable Form-C Relays (Fire-Lite ANN-RLY) .....	327.80	38.54
28 46 13 31-1549	EA		Serial/Parallel Printer Gateway Module (Fire-Lite ANN-S/PG).....	320.94	38.54
28 46 13 31-1550	EA		Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD365(A)) .....	182.41	57.80



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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1551	EA		Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD365T(A)).....	201.12	57.80
28 46 13 31-1552	EA		Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD365R(A)).....	206.48	57.80
28 46 13 31-1553	EA		Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (CO) Detection (Fire-Lite SD365CO).....	347.97	57.80
28 46 13 31-1554	EA		Low-Profile 135°F Fixed Thermal Sensor (Fire-Lite H365(A)).....	175.72	57.80
28 46 13 31-1555	EA		Low-Profile, Intelligent, Rate-Of-Rise Thermal Sensor (Fire-Lite H365R(A)).....	194.36	57.80
28 46 13 31-1556	EA		Low-Profile Intelligent 190°F/88°C Fixed Thermal Sensor (Fire-Lite H365HT(A)).....	224.74	57.80
28 46 13 31-1557	EA		Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite D365PL).....	649.81	57.80
28 46 13 31-1558	EA		Addressable Low-Profile Ionization Smoke Detector (Fire-Lite CP355(A)).....	257.83	57.80
28 46 13 31-1559	EA		Addressable Low-Profile Photoelectric Smoke Detector (Fire-Lite SD355(A)).....	182.41	57.80
28 46 13 31-1560	EA		Addressable Low-Profile Photoelectric Smoke Detector With Thermal Sensor (Fire-Lite SD355T(A)).....	227.58	57.80
28 46 13 31-1561	EA		Remote Test Capable Addressable Photoelectric Smoke Detector For Use With DNR (W) Duct Detector Housing (Fire-Lite SD355R(A)).....	251.51	57.80
28 46 13 31-1562	EA		Addressable, Low-Profile Device That Provides Fire, Heat, And Carbon Monoxide (Co) Detection (Fire-Lite SD355CO).....	192.43	57.80
28 46 13 31-1563	EA		Fast-Response, Low-Profile Heat Detector (Fire-Lite H355(A)).....	226.95	57.80
28 46 13 31-1564	EA		Fast-Response, Low-Profile Heat Detector With Rate-Of-Rise Option (Fire-Lite H355R(A)).....	220.54	57.80
28 46 13 31-1565	EA		Fast-Response, Low-Profile Heat Detector That Activates At 190°F/88°C (Fire-Lite H355HT(A)).....	253.62	57.80
28 46 13 31-1566	EA		Low-Profile, Intelligent, "Adapt" Multi-Sensor Detector (B350LP Base Included) (Fire-Lite AD355(A)).....	248.35	57.80
28 46 13 31-1567	EA		Programmable, Addressable Sounder Base (Fire-Lite B200S(A)-WH).....	158.66	38.54
28 46 13 31-1568	EA		Addressable Sounder Base (Fire-Lite B200SR(A)-WH).....	180.39	38.54
28 46 13 31-1569	EA		Programmable, Addressable Sounder Base, Low-Frequency (Fire-Lite B200S-LF-WH).....	203.80	38.54
28 46 13 31-1570	EA		Addressable Sounder Base, Low-Frequency (Fire-Lite B200SR-LF-WH).....	207.74	38.54
28 46 13 31-1571	EA		Intelligent Beam Smoke Detector (Fire-Lite BEAM355).....	1,732.73	57.80
28 46 13 31-1572	EA		Intelligent Beam Smoke Detector With Integral Sensitivity Test (Fire-Lite BEAM355S).....	1,979.25	57.80
28 46 13 31-1573	EA		Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Includes SD355R) (Fire-Lite D355PL(A)).....	293.87	38.54
28 46 13 31-1574	EA		Innovairflex Low-Flow Non-Relay Duct-Detector Housing (Fire-Lite DNR(A)).....	185.53	38.54
28 46 13 31-1575	EA		Innovairflex Low-Flow Non-Relay Duct-Detector Housing, With NEMA-4 Rating, Watertight (Fire-Lite DNRW).....	275.60	38.54
28 46 13 31-1576	EA		Addressable Control Module For One Class B Or A Zone Of Supervised Polarized Notification Appliances (Fire-Lite CMF-300).....	119.92	23.12
28 46 13 31-1577	EA		Six-Circuit Supervised Control Module (Fire-Lite CMF-300-6).....	583.89	38.54
28 46 13 31-1578	EA		Addressable Relay Module Containing Two Isolated Sets Of Form-C Contacts, Which Operate As A Dpdt Switch (Fire-Lite CRF-300).....	182.51	38.54
28 46 13 31-1579	EA		Six-Relay Control Module (Form-C Relays) (Fire-Lite CRF-300-6).....	490.59	38.54
28 46 13 31-1580	EA		Module Isolates The SLC (DCL) Loop From Short Circuit Conditions (Fire-Lite I300).....	98.27	19.27
28 46 13 31-1581	EA		Six-Fault Isolator Module (Fire-Lite ISO-6).....	441.36	38.54
28 46 13 31-1582	EA		Dual Monitor Module (Fire-Lite MDF-300).....	218.22	38.54
28 46 13 31-1583	EA		Addressable Monitor Module For One Zone Of Normally-Open Dry-Contact Initiating Devices (Fire-Lite MMF-300).....	98.02	19.27
28 46 13 31-1584	EA		Ten-Input Monitor Module (Fire-Lite MMF-300-10).....	630.52	38.54
28 46 13 31-1585	EA		Miniature Version Of MMF-300 (Fire-Lite MMF-301).....	132.46	30.83
28 46 13 31-1586	EA		Addressable Monitor Module For One Zone Of Conventional Two-Wire Detectors (Fire-Lite MMF-302).....	186.17	38.54
28 46 13 31-1587	EA		Six-Zone Interface Module (Fire-Lite MMF-302-6).....	623.79	38.54
28 46 13 31-1588	EA		Mount For Modules (Fire-Lite SMB500).....	19.76	3.85
28 46 13 31-1589			<b>Addressable Control Panels</b> (28 46 13 31-1529)		
28 46 13 31-1590	EA		25 Point Intelligent Control (Fire Lite MS-25).....	2,302.02	770.72
28 46 13 31-1591	EA		50 Point Intelligent Control (Fire Lite MS-9050UD).....	2,487.07	770.72
28 46 13 31-1592	EA		198-Point Intelligent Control (Fire Lite MS-9200UDLS).....	3,543.00	770.72
28 46 13 31-1593	EA		636-Point Intelligent Control (Fire Lite MS-9600LS).....	5,125.23	770.72
28 46 13 31-1594	EA		636-Point Intelligent Control (Fire Lite MS-9600UDLS).....	5,041.96	770.72
28 46 13 31-1595	EA		IP And 4G Cellulr Fire Alram Communicator For Fire Alarm Control Panel (Fire-Lite IPGSM-4G).....	701.13	
28 46 13 31-1596			<b>Silent Knight Fire Alarm</b> (28 46 13 31-0804)		
28 46 13 31-1597			<b>Addressable Fire Alarm Control Panel</b> (28 46 13 31-1596)		
28 46 13 31-1598	EA		Addressable Fire Alarm Control Panel (Silent Knight 6820).....	2,716.80	385.36
28 46 13 31-1599			<b>Intelligent Addressable Fire Alarm Control Panel with Emergency Voice System</b> (28 46 13 31-1596)		
28 46 13 31-1600	EA		Intelligent Fire Alarm Control Panel with Emergency Voice System (Silent Knight 6820EVS).....	5,105.27	385.36
28 46 13 31-1601			<b>Compatible EVS Equipment</b> (28 46 13 31-1596)		
28 46 13 31-1602	EA		50 Watt Amplifier (Silent Knight EVS-50W).....	934.54	77.07
28 46 13 31-1603	EA		125 Watt Amplifier (Silent Knight EVS-125W).....	1,610.77	77.07
28 46 13 31-1604	EA		50/100 Watt Amplifier (Silent Knight EVS-100W).....	1,993.33	77.07
28 46 13 31-1605	EA		External Backup Amplifier (Silent Knight EVS-100WBU).....	724.33	77.07
28 46 13 31-1606	EA		50 Watt Internal Amplifier (Silent Knight EVS-INT50W).....	683.29	77.07
28 46 13 31-1607	EA		4 Additional Audio Circuits (Silent Knight EVS-CE4).....	244.52	19.27
28 46 13 31-1608	EA		Remote Voice Module (Silent Knight EVS-RVM).....	1,063.94	30.83
28 46 13 31-1609	EA		24 Switch Expander (Silent Knight EVS-SW24).....	434.61	38.54
28 46 13 31-1610	EA		Network Voice Control Module (Silent Knight EVS-VCM).....	1,270.52	30.83
28 46 13 31-1611	EA		Local Operator Consoule (Silent Knight EVS-LOC).....	1,727.59	77.07
28 46 13 31-1612			<b>Compatible SBUS Devices</b> (28 46 13 31-1596)		
28 46 13 31-1613	EA		4x40 LCD Remote Fire Annunciator With Four Programmable Buttons, Red (Silent Knight 6860).....	1,049.62	77.07
28 46 13 31-1614	EA		4x20 LCD Remote Fire Annunciator, Gray (Silent Knight 5860).....	491.37	77.07
28 46 13 31-1615	EA		4x20 LCD Remote Fire Annunciator, Red (Silent Knight 5860R).....	578.08	77.07
28 46 13 31-1616	EA		4x20 LCD Remote Fire Annunciator, Red (Silent Knight 6855).....	393.07	77.07
28 46 13 31-1617	EA		LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) (Silent Knight 5865-3).....	494.62	77.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1618	EA		LED Annunciators- Display Up To 30 LEDs (15 Red/15 Yellow) With Key Switches For Silence And Reset, And A System Trouble Led (Silent Knight 5865-4).....	520.69	77.07
28 46 13 31-1619	EA		LED I/O Module With 40 Programmable LED Outputs And Eight Supervised Dry Contact Inputs (Silent Knight 5880).....	405.61	57.80
28 46 13 31-1620	EA		Relay Interface. Provides 10 Form C Relays (Silent Knight 5883).....	247.71	38.54
28 46 13 31-1621	EA		Serial/Parallel Printer Interface Module For Printer Connection (Silent Knight 5824).....	328.80	38.54
<b>28 46 13 31-1622</b>			<b>SK Compatible Addressable Device</b> (28 46 13 31-1596)		
28 46 13 31-1623	EA		Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature (Silent Knight SK-ACCLIMATE).....	189.74	57.80
28 46 13 31-1624	EA		Reflected Beam Smoke Detector Without Test Feature (Silent Knight SK-BEAM).....	954.15	57.80
28 46 13 31-1625	EA		Reflected Beam Smoke Detector With Test Feature (Silent Knight SK-BEAM-T).....	1,078.10	57.80
28 46 13 31-1626	EA		Reflected Beam Smoke Detector, SK Protocol (Silent Knight OSI-RI-SK).....	1,212.51	57.80
28 46 13 31-1627	EA		Supervised Control Module (Silent Knight SK-CONTROL).....	188.11	57.80
28 46 13 31-1628	EA		Six Circuit Supervised Control Module (Silent Knight SK-CONTROL-6).....	519.62	77.07
28 46 13 31-1629	EA		Photoelectric Duct Smoke Detector With Extended Air Speed Range (Silent Knight SK-DUCT).....	288.65	57.80
28 46 13 31-1630	EA		Four Criteria Fire And Carbon Monoxide Detector (Silent Knight SK-FIRE-CO).....	263.09	57.80
28 46 13 31-1631	EA		Four Criteria Fire And Carbon Monoxide Detector, White (Silent Knight SK-FIRE-CO-W).....	290.70	57.80
28 46 13 31-1632	EA		Fixed Thermal Detector (135°F) (Silent Knight SK-HEAT).....	174.93	57.80
28 46 13 31-1633	EA		Fixed Thermal Detector (135°F), White (Silent Knight SK-HEAT-W).....	179.14	57.80
28 46 13 31-1634	EA		Fixed Rate Of Rise Detector (Silent Knight SK-HEAT-ROR).....	176.59	57.80
28 46 13 31-1635	EA		Fixed Rate Of Rise Detector, White (Silent Knight SK-HEAT-ROR-W).....	179.14	57.80
28 46 13 31-1636	EA		Fixed High Temperature Heat Detector (190°F) (Silent Knight SK-HEAT-HT).....	174.93	57.80
28 46 13 31-1637	EA		Fixed High Temperature Heat Detector (190°F), White (Silent Knight SK-HEAT-HT-W).....	179.14	57.80
28 46 13 31-1638	EA		Fault Isolator Module (Silent Knight SK-ISO).....	174.93	57.80
28 46 13 31-1639	EA		Mini Monitor Module (Silent Knight SK-MINIMON).....	163.39	57.80
28 46 13 31-1640	EA		Monitor Module (Silent Knight SK-MONITOR).....	171.93	57.80
28 46 13 31-1641	EA		Dual Input Monitor Module (Silent Knight SK-MONITOR-2).....	214.49	57.80
28 46 13 31-1642	EA		10 Input Monitor Module (Silent Knight SK-MON-10).....	581.59	77.07
28 46 13 31-1643	EA		Photoelectric Smoke Detector (Silent Knight SK-PHOTO).....	178.23	57.80
28 46 13 31-1644	EA		Photoelectric Smoke Detector, White (Silent Knight SK-PHOTO-W).....	186.88	57.80
28 46 13 31-1645	EA		Photoelectric Detector With Remote Test Capability (Silent Knight SK-PHOTO-R).....	180.70	57.80
28 46 13 31-1646	EA		Photoelectric Detector With Remote Test Capability, White (Silent Knight SK-PHOTO-R-W).....	189.46	57.80
28 46 13 31-1647	EA		Photoelectric Smoke Detector With Fixed Thermal Heat (135°F) (Silent Knight SK-PHOTO-T).....	184.83	57.80
28 46 13 31-1648	EA		Photoelectric Smoke Detector With Fixed Thermal Heat (135°F), White (Silent Knight SK-PHOTO-T-W).....	193.57	57.80
28 46 13 31-1649	EA		Multi Criteria Photoelectric Smoke Detector With Thermal 135°F Fixed Temperature, White (Silent Knight SK-PTIR-W).....	203.89	57.80
28 46 13 31-1650	EA		Addressable Single Action Pull Station (Silent Knight SK-PULL-SA).....	160.40	38.54
28 46 13 31-1651	EA		Addressable Dual Action Pull Station (Silent Knight SK-PULL-DA).....	160.40	38.54
28 46 13 31-1652	EA		Addressable Relay Module (Silent Knight SK-RELAY).....	149.57	38.54
28 46 13 31-1653	EA		Addressable Six Relay Control Module (Silent Knight SK-RELAY-6).....	506.91	77.07
28 46 13 31-1654	EA		Addressable Dual Relay/Monitor Module (Silent Knight SK-RELAYMON-2).....	321.59	57.80
28 46 13 31-1655	EA		Addressable Zone Interface Module (Silent Knight SK-ZONE).....	201.30	57.80
28 46 13 31-1656	EA		Six Zone Interface Module (Silent Knight SK-ZONE-6).....	603.85	77.07
<b>28 46 13 31-1657</b>			<b>SK Bases</b> (28 46 13 31-1596)		
28 46 13 31-1658	EA		6" Mounting Base (Silent Knight B210LP).....	52.13	19.27
28 46 13 31-1659	EA		4" Flangeless Mounting Base (Silent Knight B501).....	54.88	19.27
28 46 13 31-1660	EA		Intelligent Sounder Base (Silent Knight B200S).....	97.85	19.27
28 46 13 31-1661	EA		Low-Frequency Intelligent Sounder Base (Silent Knight B200-LF).....	132.48	19.27
28 46 13 31-1662	EA		Relay Base (Silent Knight B224RB).....	82.06	19.27
28 46 13 31-1663	EA		Isolator Base (Silent Knight B224BI).....	81.21	19.27
<b>28 46 13 31-1664</b>			<b>SD Compatible Addressable Device</b> (28 46 13 31-1596)		
28 46 13 31-1665	EA		Addressable Smoke 4" Detector Base (Silent Knight SD505-4AB).....	50.40	19.27
28 46 13 31-1666	EA		Addressable Smoke 6" Detector Base (Silent Knight SD505-6AB).....	64.88	19.27
28 46 13 31-1667	EA		6" Addressable Relay Base (Silent Knight SD505-6RB).....	161.76	19.27
28 46 13 31-1668	EA		6" Addressable Sounder Base (Silent Knight SD505-6SB).....	167.18	19.27
28 46 13 31-1669	EA		Addressable Input Module (Silent Knight SD500-AIM).....	281.62	57.80
28 46 13 31-1670	EA		Addressable Notification Module (Silent Knight SD500-ANM).....	270.53	57.80
28 46 13 31-1671	EA		Addressable Relay Module (Silent Knight SD500-ARM).....	289.71	57.80
<b>28 46 13 31-1672</b>			<b>System Expanders</b> (28 46 13 31-1596)		
28 46 13 31-1673	EA		SLC Expander For IDP Or SK Devices (Silent Knight 6815).....	576.54	77.07
28 46 13 31-1674	EA		SLC Expander For SD Devices (Silent Knight 5815XL).....	512.54	77.07
28 46 13 31-1675	EA		6A Power Supply With 6 Flexput Circuits And 2 Form C Relays (Silent Knight RPS-1000).....	865.25	38.54
28 46 13 31-1676	EA		6 AMP NAC Power Expander With 4 Power-Limited Output Ckts (Silent Knight 5496).....	646.65	115.61
<b>28 46 13 31-1677</b>			<b>Miscellaneous Accessories</b> (28 46 13 31-1596)		
28 46 13 31-1678	EA		Remote Battery Box Accessory Cabinet (Silent Knight RBB).....	161.11	38.54
<b>28 46 13 31-1679</b>			<b>Silent Knight Fire Alarm</b> (28 46 13 31-0804)		
28 46 13 31-1680	EA		Detector (Silent Knight IDP-PhotoR).....	239.99	57.80
28 46 13 31-1681	EA		SLC Annunciator Driver Module (Silent Knight SD500-LED).....	684.78	115.61
28 46 13 31-1682	EA		Monitoring Module (Silent Knight IDP).....	246.54	57.80
28 46 13 31-1683	EA		I/O Input-Output Module (Silent Knight SK-2880).....	535.33	38.54
28 46 13 31-1684	EA		Remote Annunciator (Silent Knight RA-2000).....	1,540.51	115.61
28 46 13 31-1685	EA		Power Supply (Silent Knight 5195/96).....	928.11	38.54

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

28 46 13 31-1686	EA	8 Zone Expander (Silent Knight SK-5210).....	731.72	38.54
28 46 13 31-1687	EA	10 Zone Expander (Silent Knight SK-5217).....	345.23	38.54
28 46 13 31-1688	EA	Remote Annunciator (Silent Knight SK-5235).....	378.12	77.07
28 46 13 31-1689	EA	LCD Remote Annunciator (Silent Knight SK-5230).....	362.34	77.07
28 46 13 31-1690	EA	Digital Fire Communicator with Cabinet (Silent Knight SK-5104).....	574.10	115.61
28 46 13 31-1691	EA	Ionization Smoke Detector (Silent Knight SK-ION).....	197.02	57.80
28 46 13 31-1692	EA	Addressable Relay Module (Silent Knight IDP-Relay).....	213.81	57.80
28 46 13 31-1693	EA	Telephone Line Monitor (Silent Knight SK-7150).....	135.99	38.54
28 46 13 31-1694	EA	Serial Driver Board (Silent Knight SK-2884).....	222.40	38.54
28 46 13 31-1695	EA	Addressable Duct Detector Test Switch (Silent Knight SD505-DTS).....	187.78	57.80
28 46 13 31-1696	EA	Smoke Detector Base (Silent Knight IDP-6AB).....	71.27	19.27
28 46 13 31-1697	EA	Mini Input Module (Silent Knight IDP-MINIMON).....	175.27	38.54
28 46 13 31-1698	EA	Status Display Module (Silent Knight SK-4180).....	548.42	38.54
28 46 13 31-1699	EA	8-Channel Digital Communicator (Silent Knight SK-1420).....	338.93	38.54
28 46 13 31-1700	EA	Serial Parallel Module (Silent Knight SK-4824).....	312.74	38.54
28 46 13 31-1701	EA	Addressable Heat Sensor (Silent Knight SD505-AHS).....	208.43	57.80
28 46 13 31-1702	EA	Addressable Photoelectric Smoke Detector (Silent Knight SD505-APS).....	184.41	57.80
28 46 13 31-1703	EA	Power Supply (Silent Knight SK-5197 / SK-5198).....	1,059.05	38.54
28 46 13 31-1704	EA	4-Zone Fire Alarm Control Panel, Complete (Silent Knight SK-5204).....	1,879.45	154.14
28 46 13 31-1705	EA	Intelligent Ionization Smoke Detector (Silent Knight IDP-ION).....	246.54	57.80
28 46 13 31-1706	EA	Intelligent Photoelectric Smoke Detector (Silent Knight IDP-Photo).....	213.81	57.80
28 46 13 31-1707	EA	Analog Ionization Smoke Detector (Silent Knight SD505-AIS).....	193.80	57.80
28 46 13 31-1708	EA	Addressable Mini Input Module (Silent Knight SD500-MIM).....	143.37	38.54
28 46 13 31-1709	EA	6 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5495).....	652.05	115.61
28 46 13 31-1710	EA	Manual Pull Station (single action) (Silent Knight PS-SATK).....	108.36	38.54
28 46 13 31-1711	EA	Manual Pull Station (dual action) (Silent Knight PS-DATK).....	114.61	38.54
28 46 13 31-1712	EA	Manual Pull Station (dual action) (Silent Knight PS-DA).....	112.85	38.54
28 46 13 31-1713	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5808).....	1,318.74	154.14
28 46 13 31-1714	EA	Addressable Fire Alarm Control Panel With Integrated Emergency Communication System (Silent Knight 5820XL-EVS).....	4,128.67	385.36
28 46 13 31-1715	EA	Supervised Remote Command Unit (Silent Knight EVS-RCU).....	1,768.65	231.21
28 46 13 31-1716	EA	Voice Evacuation System (Silent Knight SKE-450).....	2,018.07	154.14
28 46 13 31-1717	EA	Fire Fighters Telephone (Silent Knight SK-FFT).....	1,694.59	154.14
28 46 13 31-1718	EA	Multi-Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5820XL).....	1,858.21	231.21
28 46 13 31-1719	EA	Single Loop Addressable Fire Alarm Control/Communicator System (Silent Knight 5700).....	1,036.18	154.14
28 46 13 31-1720	EA	Hybrid Conventional Fire Alarm Control/Communicator System (Silent Knight 5600).....	909.93	154.14
28 46 13 31-1721	EA	Ionization Smoke Detector (Silent Knight SK-ION).....	197.02	57.80
28 46 13 31-1722	EA	Sounder Base (Silent Knight B200SR).....	100.63	19.27
28 46 13 31-1723	EA	Intelligent Sounder Base (Silent Knight B200S).....	105.67	19.27
28 46 13 31-1724	EA	Isolator Base (Silent Knight B224BI).....	86.38	19.27
28 46 13 31-1725	EA	Relay Base (Silent Knight B224RB).....	87.21	19.27
28 46 13 31-1726	EA	6" Isolator Base (Silent Knight SD505-6IB).....	104.84	19.27
28 46 13 31-1727	EA	Loop Isolation Module (Silent Knight SD500-LIM).....	189.45	57.80
28 46 13 31-1728	EA	Single Action Addressable Pull Station (Silent Knight SD500-PS).....	175.66	38.54
28 46 13 31-1729	EA	Dual Action Addressable Pull Station (Silent Knight SD500-PSDA).....	169.19	38.54
28 46 13 31-1730	EA	Back Box (Silent Knight SK-PSSMBB).....	88.72	30.83
28 46 13 31-1731	EA	Smoke Detector Module (Silent Knight SD500-SDM).....	206.11	57.80
28 46 13 31-1732	EA	Addressable Duct Housing (Silent Knight SD505-DUCT).....	343.27	57.80
28 46 13 31-1733	EA	Addressable Duct Housing With Built-In Relay (Silent Knight SD505-DUCTR).....	382.18	57.80
28 46 13 31-1734	EA	Intelligent Power Module (Silent Knight 5895XL).....	976.95	154.14
28 46 13 31-1735	EA	Addressable Pull Station (Silent Knight SK-Pull-DA/SA).....	169.19	38.54
28 46 13 31-1736	EA	Communicator (Silent Knight IPGSM-4G).....	771.47	77.07
28 46 13 31-1737	EA	Ten Zone Conventional Fire Alarm Control Panel (Silent Knight SK-5208).....	1,246.35	154.14
28 46 13 31-1738	EA	Status Display Module (Silent Knight 5280).....	123.24	38.54
28 46 13 31-1739	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4).....	764.97	154.14
28 46 13 31-1740	EA	Four Zone Conventional Fire Alarm Control Panel (Silent Knight SK-4E).....	777.44	154.14
28 46 13 31-1741	EA	Dress Panel (Silent Knight SK-DP2/4).....	152.59	38.54
28 46 13 31-1742	EA	Class A Convertor (Silent Knight SK-CAC4).....	361.68	57.80
28 46 13 31-1743	EA	Transmitter Module (Silent Knight SK-4XTM).....	214.20	57.80
28 46 13 31-1744	EA	LED Interface Module (Silent Knight SK-4XLM).....	201.26	57.80
28 46 13 31-1745	EA	110 Volt AC, 3-6 Amperes, Transformer (Silent Knight SK-XRM24).....	188.58	38.54
28 46 13 31-1746	EA	Remote Annunciator (Silent Knight SK-RZA4).....	201.26	57.80
28 46 13 31-1747	EA	Zone Relay Module (Silent Knight SK-4XZM).....	212.58	57.80
28 46 13 31-1748	EA	Two Zone Conventional Fire Alarm Control Panel (Silent Knight SK-2).....	679.24	154.14
28 46 13 31-1749	EA	Dual Action Manual Pull Station, Hex Key (Silent Knight PS-DAH).....	104.29	38.54
28 46 13 31-1750	EA	Dual Action Listed Outdoor Manual Pull Station With Black Box (Silent Knight PS-DALOB).....	199.16	46.24
28 46 13 31-1751	EA	9 Amperes, 24 Volt DC, Distributed Power Module (with cabinet) (Silent Knight SK-5499).....	720.63	115.61

**28 46 13 31-1752 Alerton Fire Alarm** (28 46 13 31)

28 46 13 31-1753	EA	UL Listed Surge Protector In CHS-M3 Or CPU2-640 Chassis (Alerton ESD-100).....	644.67	11.56
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**28 46 13 31-1754 Cooper Fire Alarm** (28 46 13 31)

28 46 13 31-1755	EA	Single Circuit Class A / Multiple B, 12 Or 24 Volt DC, Sync Module (Cooper DSM-12/24-R).....	223.53	38.54
28 46 13 31-1756	EA	Red Lens, 21 Joules, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X And 6, Strobe (Cooper EP109205-001).....	4,677.43	65.51
28 46 13 31-1757	EA	Red, 100 dB, 24 Volt DC, Class I, Div 1, Groups C, D, NEMA 4X, Multitone Horn (Cooper EP109206-002).....	6,163.73	65.51
28 46 13 31-1758	EA	Red Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-001).....	2,263.03	77.07
28 46 13 31-1759	EA	Clear Lens, 5 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-002).....	2,276.24	77.07
28 46 13 31-1760	EA	Amber Lens, 5 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109201-007).....	2,276.24	77.07
28 46 13 31-1761	EA	Red Lens, 10 Joules, 24 Volt DC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-001).....	1,691.63	77.07

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1762	EA		Amber Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-003).....	1,691.63	77.07
28 46 13 31-1763	EA		Red Lens, 10 Joules, 120 Volt AC, Wire Guard, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-004).....	1,691.63	77.07
28 46 13 31-1764	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-005).....	2,276.24	77.07
28 46 13 31-1765	EA		Amber Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-006).....	2,276.24	77.07
28 46 13 31-1766	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Backstrap, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-007).....	2,276.24	77.07
28 46 13 31-1767	EA		Red Lens, 15 Joules, 120 Volt AC, Wire Guard, Black Finish, Pendant Mounted, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109202-008).....	2,276.24	77.07
28 46 13 31-1768	EA		Red Lens, 15 Joules, 24 Volt DC, Wire Guard, Blackstrap, Black Finish, Class I, Div 2, Groups A, B, C And D, NEMA 4X And 6, Strobe (Cooper HL109203-002).....	2,276.24	77.07
28 46 13 31-1769	EA		Red Lens, 21 Joules, 24 Volt DC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-001).....	2,618.09	77.07
28 46 13 31-1770	EA		Red Lens, 21 Joules, 24 Volt DC, Black Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-003).....	2,433.13	77.07
28 46 13 31-1771	EA		Amber Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-005).....	2,433.13	77.07
28 46 13 31-1772	EA		Red Lens, 21 Joules, 110 Volt AC, Red Finish, Class I, Div 2, Groups C And D, NEMA 4X And 6, Strobe (Cooper HL109204-006).....	2,433.13	77.07
<b>28 46 13 31-1773</b>			<b>Light Engineered Displays Message Boards</b> (28 46 13 31)		
28 46 13 31-1774	EA		Two Message Sign, Announcement And Evacuate (LED SP-2/MNS).....	975.54	46.24
28 46 13 31-1775	EA		Four Message Sign, Fire, Weather, Announcement, E Voltuate (LED SP-4).....	861.88	46.24
<b>28 46 13 31-1776</b>			<b>Safety Technology International Fire Alarm</b> (28 46 13 31)		
<b>28 46 13 31-1777</b>			<b>Enclosures</b> (28 46 13 31-1776)		
28 46 13 31-1778	EA		6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF060604-O).....	168.92	23.12
28 46 13 31-1779	EA		6" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF060604-W).....	218.21	23.12
28 46 13 31-1780	EA		8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080604-O).....	172.21	23.12
28 46 13 31-1781	EA		8" Height x 6" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080604-W).....	219.31	23.12
28 46 13 31-1782	EA		8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure (STI EF080804-O).....	176.59	23.12
28 46 13 31-1783	EA		8" Height x 8" Width x 4" Depth, Opaque, Fiberglass Enclosure With Window (STI EF080804-W).....	252.17	23.12
28 46 13 31-1784	EA		10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF100806-O).....	184.26	23.12
28 46 13 31-1785	EA		10" Height x 8" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF100806-W).....	251.07	23.12
28 46 13 31-1786	EA		12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF121006-O).....	197.40	23.12
28 46 13 31-1787	EA		12" Height x 10" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF121006-W).....	271.88	23.12
28 46 13 31-1788	EA		14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure (STI EF141206-O).....	233.55	23.12
28 46 13 31-1789	EA		14" Height x 12" Width x 6" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141206-W).....	350.75	23.12
28 46 13 31-1790	EA		14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF141208-O).....	251.07	23.12
28 46 13 31-1791	EA		14" Height x 12" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF141208-W).....	440.57	23.12
28 46 13 31-1792	EA		16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure (STI EF161408-O).....	266.41	23.12
28 46 13 31-1793	EA		16" Height x 14" Width x 8" Depth, Opaque, Fiberglass Enclosure With Window (STI EF161408-W).....	453.71	23.12
28 46 13 31-1794	EA		18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF181610-O).....	315.70	23.12
28 46 13 31-1795	EA		18" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF181610-W).....	465.76	23.12
28 46 13 31-1796	EA		20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure (STI EF201610-O).....	453.71	23.12
28 46 13 31-1797	EA		20" Height x 16" Width x 10" Depth, Opaque, Fiberglass Enclosure With Window (STI EF201610-W).....	670.60	23.12
28 46 13 31-1798	EA		6" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP060605-O).....	127.30	23.12
28 46 13 31-1799	EA		6" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP060605-T).....	138.25	23.12
28 46 13 31-1800	EA		8" Height x 6" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080605-O).....	132.23	23.12
28 46 13 31-1801	EA		8" Height x 6" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080605-T).....	141.54	23.12
28 46 13 31-1802	EA		8" Height x 8" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP080805-O).....	136.61	23.12
28 46 13 31-1803	EA		8" Height x 8" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP080805-T).....	147.56	23.12
28 46 13 31-1804	EA		10" Height x 8" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP100806-O).....	138.25	23.12
28 46 13 31-1805	EA		10" Height x 8" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP100806-T).....	160.71	23.12
28 46 13 31-1806	EA		10" Height x 8" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP100807-O).....	144.82	23.12
28 46 13 31-1807	EA		10" Height x 8" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP100807-T).....	165.09	23.12
28 46 13 31-1808	EA		10" Height x 10" Width x 6" Depth, Opaque, Polycarbonate Enclosure (STI EP101006-O).....	150.85	23.12
28 46 13 31-1809	EA		10" Height x 10" Width x 6" Depth, Tinted, Polycarbonate Enclosure (STI EP101006-T).....	167.82	23.12
28 46 13 31-1810	EA		12" Height x 10" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP121007-O).....	152.49	23.12
28 46 13 31-1811	EA		12" Height x 10" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP121007-T).....	173.30	23.12
28 46 13 31-1812	EA		14" Height x 12" Width x 7" Depth, Opaque, Polycarbonate Enclosure (STI EP141207-O).....	177.68	23.12
28 46 13 31-1813	EA		14" Height x 12" Width x 7" Depth, Tinted, Polycarbonate Enclosure (STI EP141207-T).....	219.31	23.12
28 46 13 31-1814	EA		16" Height x 14" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP161409-O).....	195.21	23.12
28 46 13 31-1815	EA		16" Height x 14" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP161409-T).....	260.93	23.12
28 46 13 31-1816	EA		18" Height x 16" Width x 5" Depth, Opaque, Polycarbonate Enclosure (STI EP181604-O).....	216.02	23.12
28 46 13 31-1817	EA		18" Height x 16" Width x 5" Depth, Tinted, Polycarbonate Enclosure (STI EP181604-T).....	279.55	23.12
28 46 13 31-1818	EA		18" Height x 16" Width x 11" Depth, Opaque, Polycarbonate Enclosure (STI EP181611-O).....	244.50	23.12
28 46 13 31-1819	EA		18" Height x 16" Width x 11" Depth, Tinted, Polycarbonate Enclosure (STI EP181611-T).....	326.65	23.12
28 46 13 31-1820	EA		20" Height x 16" Width x 9" Depth, Opaque, Polycarbonate Enclosure (STI EP201608-O).....	385.80	23.12
28 46 13 31-1821	EA		20" Height x 16" Width x 9" Depth, Tinted, Polycarbonate Enclosure (STI EP201608-T).....	403.33	23.12
28 46 13 31-1822	EA		24" Height x 24" Width x 10" Depth, Opaque, Polycarbonate Enclosure (STI EP242410-O).....	578.58	23.12
28 46 13 31-1823	EA		24" Height x 24" Width x 10" Depth, Tinted, Polycarbonate Enclosure (STI EP242410-T).....	669.50	23.12
<b>28 46 13 31-1824</b>			<b>STI® Fire Alarm Devices</b> (28 46 13 31-1776)		
28 46 13 31-1825	EA		Pull Station Polycarbonate Cover, Semi Flush With Horn (STI-1100).....	201.23	23.12
			Note: Includes 9 Volt DC self contained battery.		
28 46 13 31-1826	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover With Horn (STI-1130).....	219.31	23.12
28 46 13 31-1827	EA		Flush Mounted, Manual Pull Station Polycarbonate Cover (STI-1200).....	130.86	23.12



**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1828	EA		Surface Mounted, Horn Strobe Polycarbonate Cover (STI-1210D) ..... Note: For surface mounted horn strobes.	131.95	23.12
28 46 13 31-1829	EA		Flush Mounted, Horn Strobe Polycarbonate Cover (STI-1210E) .....	117.71	23.12
28 46 13 31-1830	EA		Strobe Damage Stopper And Open Backbox With Conduit Knockout (STI-1221D) ..... Note: For surface mounted strobe.	131.95	23.12
28 46 13 31-1831	EA		Strobe Damage Stopper And Open Backbox, Semi Flush (STI-1221E) .....	107.03	23.12
28 46 13 31-1832	EA		NEMA 4X Rated Polycarbonate Dome Cover (STI-1229) .....	246.69	23.12
28 46 13 31-1833	EA		Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-1230) ..... Note: For surface mounted pull stations.	165.63	23.12
28 46 13 31-1834	EA		Backplate For Polycarbonate Cover (STI-1280) .....	80.85	23.12
28 46 13 31-1835	EA		Conduit Gasket For Polycarbonate Cover (STI-3003) .....	59.38	23.12
28 46 13 31-1836	EA		Conduit Spacer For Surface Mounted Polycarbonate Cover (STI-3100) .....	82.06	23.12
28 46 13 31-1837	EA		Weather Resistant, Surface Mounted, Manual Pull Station Polycarbonate Cover (STI-3150) .....	184.80	23.12
28 46 13 31-1838	EA		8.5" x 6.5" x 4.6", Thumb Lock, Lockable Enclosure (STI-7511A) .....	153.59	23.12
28 46 13 31-1839	EA		Flush Mounted, Smoke Detector Polycarbonate Cover (STI-8100) .....	114.15	23.12
28 46 13 31-1840	EA		Flush Mounted, Low Profile, Smoke Detector Steel Wire Cover (STI-9601) .....	108.13	23.12
28 46 13 31-1841	EA		Surface Mounted, Low Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9602) .....	104.57	23.12
28 46 13 31-1842	EA		Flush Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9604) .....	108.13	23.12
28 46 13 31-1843	EA		Surface Mounted, Mini Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9605) .....	104.57	23.12
28 46 13 31-1844	EA		Flush Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9609) .....	108.13	23.12
28 46 13 31-1845	EA		Surface Mounted, High Profile, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9610) .....	104.57	23.12
28 46 13 31-1846	EA		Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9625) .....	202.33	23.12
28 46 13 31-1847	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705) .....	97.39	23.12
28 46 13 31-1848	EA		Red, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9705-R) .....	117.25	23.12
28 46 13 31-1849	EA		Flush Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9706) .....	146.47	23.12
28 46 13 31-1850	EA		Surface Mounted, Beam Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9707) .....	146.47	23.12
28 46 13 31-1851	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708) .....	107.03	23.12
28 46 13 31-1852	EA		Red, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9708-R) .....	107.03	23.12
28 46 13 31-1853	EA		White, Flush Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9711) .....	97.39	23.12
28 46 13 31-1854	EA		Flush Mounted, Smoke Detector, Polyester Shell, Steel Wire Cover (STI-9713) .....	107.03	23.12
28 46 13 31-1855	EA		White, Surface Mounted, Horn/Strobe/Speaker, Polyester Shell, Steel Wire Cover (STI-9714) .....	107.03	23.12
28 46 13 31-1856	EA		Yellow, High Threat, Push Button Station (STI SS-2201) .....	136.66	11.56
28 46 13 31-1857	EA		Gasket Kit For STI Covers (STI SUB-121) .....	59.07	
28 46 13 31-1858	EA		Universal Cover With Horn, Flush Mount, Momentary Button, Exit Label, Green Stopper Station (STI SS-2144XT) .....	260.93	23.12
28 46 13 31-1859	EA		No Cover, Push And Turn-To-Reset Button, Evacuation Label, Yellow Stopper Station (STI SS-2201EV) .....	144.27	23.12
28 46 13 31-1860	EA		No Cover, Push And Key-To-Rest Button, Emergency Label, Blue Stopper Station (STI SS-2400EM) .....	144.27	23.12
28 46 13 31-1861	EA		Universal Cover With Horn, Flush Mount, Push And Key-To-Reset Button, Emergency Label, Blue Stopper Station (STI SS-2440EM) .....	260.93	23.12
28 46 13 31-1862	EA		Flush Mounted, Weather Stopper II (STI-1250) .....	154.95	23.12
28 46 13 31-1863	EA		Flush Mounted, Clear, Universal Stopper (STI-13000NC) .....	104.57	23.12
28 46 13 31-1864	EA		Flush Mounted, Universal, Fire Label, Red, Stopper With Horn (STI-13020FR) .....	176.04	23.12
28 46 13 31-1865	EA		Surface Mounted, Clear, Universal Stopper (STI-13200NC) .....	125.11	23.12
28 46 13 31-1866	EA		Surface Mounted, Fire Label, Red, Universal Stopper (STI-13210FR) .....	136.06	23.12
28 46 13 31-1867	EA		Surface Mounted, No Label, White, Universal Stopper (STI-13210NW) .....	147.56	23.12
28 46 13 31-1868	EA		Surface Mounted, No Label, Yellow, Universal Stopper (STI-13210NY) .....	147.56	23.12
28 46 13 31-1869	EA		Surface Mounted, Fire Label, Red, Universal Stopper With Horn (STI-13220FR) .....	196.30	23.12
28 46 13 31-1870	EA		Surface Mounted, No Label, Yellow, Universal Stopper With Horn (STI-13220NY) .....	207.26	23.12
28 46 13 31-1871	EA		Surface Mounted, Fire Label, Red, Universal Stopper With Horn And Relay (STI-13230FR) .....	245.60	23.12
28 46 13 31-1872	EA		Stopper II, Weather Gasket (STI-3002) .....	58.23	23.12
28 46 13 31-1873	EA		Large, Break Glass Stopper (STI-4100) .....	146.47	23.12
28 46 13 31-1874	EA		Stopper "G" Standard Break Glass Cover (STI-6100) .....	141.54	23.12
28 46 13 31-1875	EA		Clear, Polycarbonate Enclosure With Deep Back Box And Exterior Key Lock (STI-7510A) .....	136.88	23.12
28 46 13 31-1876	EA		Polycarbonate Multi-Purpose Enclosure With Backplate And Key Lock (STI-7530) .....	357.32	23.12
28 46 13 31-1877	EA		Heated, Metal, Protective Cabinet (STI-7560AH) .....	4,931.55	23.12
28 46 13 31-1878	EA		Stainless Steel Guard (STI-9604SS) .....	99.91	23.12
28 46 13 31-1879	EA		5-3/4" Width x 4-1/2" Depth, Motion Detector Guard (STI-9621) .....	90.33	23.12
<b>28 46 13 31-1880</b>			<b>System Sensor Fire Alarm</b> (28 46 13 31)		
<b>28 46 13 31-1881</b>			<b>Smoke Detectors</b> (28 46 13 31-1880)		
28 46 13 31-1882	EA		Beam Detector Heater Kit (System Sensor BEAMHK) .....	68.40	7.71
28 46 13 31-1883	EA		Reflectors, Beam Detector Heater Kit (System Sensor BEAMHKR) .....	280.94	7.71
			Note: Four used with long range kit.		
28 46 13 31-1884	EA		Projected Beam Smoke Detector Long Range Kit (System Sensor BEAMLRK) .....	361.32	77.07
28 46 13 31-1885	EA		Wall Or Ceiling Mounted, Projected Beam Smoke Detector Multi-Mount Kit (System Sensor BEAMMMK) .....	270.23	77.07
28 46 13 31-1886	EA		Projected Beam Smoke Detector Surface Mounted Kit (System Sensor BEAMSMK) .....	223.80	77.07
28 46 13 31-1887	EA		Two Wire, Photoelectric Smoke Detector (System Sensor 2W-B) .....	197.37	57.80
28 46 13 31-1888	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor (System Sensor 2WT-B) .....	202.23	57.80
28 46 13 31-1889	EA		Two Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 2WTA-B) .....	206.17	57.80
28 46 13 31-1890	EA		Four Wire, Photoelectric Smoke Detector (System Sensor 4W-B) .....	200.20	57.80
28 46 13 31-1891	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor, 12/24 Volt DC (System Sensor 4WT-B) .....	214.14	57.80
28 46 13 31-1892	EA		Four Wire, Photoelectric Smoke Detector With Thermal Sensor And Built In Sounder (System Sensor 4WTA-B) .....	210.58	57.80
28 46 13 31-1893	EA		Four Wire, Photoelectric Smoke Detector With Isolated Thermal Sensor, Built In Sounder, Form C Relay (System Sensor 4WITAR-B) .....	293.97	57.80
28 46 13 31-1894	EA		Photoelectric, Low-Profile, Smoke Detector Head (System Sensor 2151) .....	172.85	38.54
28 46 13 31-1895	EA		Photoelectric With Thermal Sensor, Low-Profile, Smoke Detector Head (System Sensor 2151T) .....	195.97	38.54
			Note: Requires B100 series base.		
28 46 13 31-1896	EA		Heavy Duty Multi-Mount Kit (System Sensor 6500-MMK) .....	326.69	19.27
28 46 13 31-1897	EA		Surface-Mount Kit For Use With Beam1224 And FSB-200 When Using 6500-MMK Heavy Duty Multi-Mount Kit (System Sensor 6500-SMK) .....	115.04	19.27
28 46 13 31-1898	EA		Four Wire, Low Profile, Plug In Detector (System Sensor 2D51) .....	227.82	57.80
<b>28 46 13 31-1899</b>			<b>Duct Smoke Detectors</b> (28 46 13 31-1880)		
28 46 13 31-1900	EA		Two Wire Conventional Photoelectric Duct Detector (Includes 2151 Detector) (System Sensor D2) .....	427.57	57.80



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-1901	EA		Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120).....	424.00	57.80
28 46 13 31-1902	EA		Watertight, Four Wire Conventional Photoelectric Duct Detector (Includes 2D51 Detector) (System Sensor D4120W).....	553.72	65.51
28 46 13 31-1903	EA		Sensor Only, Four Wire Conventional Photoelectric Duct Detector (System Sensor D4S).....	279.49	38.54
28 46 13 31-1904	EA		Duct Accessory Coil (Required On DNR If A Remote Test Station Is Used) (System Sensor DCOIL).....	76.11	11.56
28 46 13 31-1905	EA		Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNR).....	239.07	30.83
28 46 13 31-1906	EA		Watertight, Intelligent, Non-Relay, Duct Smoke Detector Housing (System Sensor DNRW).....	385.46	38.54
28 46 13 31-1907	EA		1' Steel Sampling Tube (System Sensor DST1).....	46.19	15.41
28 46 13 31-1908	EA		1.5' Steel Sampling Tube (System Sensor DST1.5).....	50.24	15.41
28 46 13 31-1909	EA		3' Steel Sampling Tube (System Sensor DST3).....	56.37	15.41
28 46 13 31-1910	EA		5' Steel Sampling Tube (System Sensor DST5).....	64.33	19.27
28 46 13 31-1911	EA		10' Steel Sampling Tube (System Sensor DST10).....	105.66	23.12
28 46 13 31-1912	EA		1' Steel, Exhaust Tube Duct (System Sensor ETX).....	51.91	15.41
28 46 13 31-1913	EA		Remote Test Station For Duct Smoke Detector (System Sensor RTS151).....	114.74	19.27
28 46 13 31-1914	EA		Detector Installation/Removal Tool Kit For 700 Series Detectors (System Sensor XR2).....	238.74	
28 46 13 31-1915	EA		Detector Installation/Removal Tool Kit For 800 And 355 Series Detectors (System Sensor XR2B).....	256.60	
<b>28 46 13 31-1916 Heat Detectors (28 46 13 31-1880)</b>					
28 46 13 31-1917	EA		Single Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5601P).....	142.02	57.80
28 46 13 31-1918	EA		Single Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5602).....	143.83	57.80
28 46 13 31-1919	EA		Dual Circuit, 135 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5621).....	165.02	57.80
28 46 13 31-1920	EA		Dual Circuit, 194 Degree F, Fixed And Rate-Of-Rise, Heat Detector (System Sensor 5622).....	165.02	57.80
28 46 13 31-1921	EA		Dual Circuit, 135 Degree F, Fixed Temperature Heat Detector (System Sensor 5623).....	174.85	57.80
28 46 13 31-1922	EA		Dual Circuit, 194 Degree F, Fixed Temperature Heat Detector (System Sensor 5624).....	174.85	57.80
<b>28 46 13 31-1923 Horns (28 46 13 31-1880)</b>					
28 46 13 31-1924	EA		Red, Mini Horn (System Sensor MHR).....	153.41	57.80
28 46 13 31-1925	EA		White, Mini Horn (System Sensor MHW).....	153.41	57.80
28 46 13 31-1926	EA		White, 12/24 Volt DC, Wall Mounted Horn Only (System Sensor HWL).....	155.26	57.80
28 46 13 31-1927	EA		Red, Outdoor, Wall Mounted Replacement Horn (System Sensor HRK-R).....	193.29	65.51
28 46 13 31-1928	EA		Red, Indoor, Wall Mounted, Horn (System Sensor HRL).....	155.26	57.80
28 46 13 31-1929	EA		Red, Outdoor, Wall Mounted, Horn (System Sensor HRK).....	197.37	57.80
28 46 13 31-1930	EA		White, Indoor, Wall Mounted, Compact Horn (System Sensor HGRL).....	155.86	57.80
28 46 13 31-1931	EA		Red, Indoor, Wall Mounted, Compact Horn (System Sensor HGWL).....	155.86	57.80
<b>28 46 13 31-1932 Wall Mounted Horns/Strobes (28 46 13 31-1880)</b>					
28 46 13 31-1933	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL).....	204.91	57.80
28 46 13 31-1934	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RH).....	251.03	57.80
28 46 13 31-1935	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK).....	297.72	65.51
28 46 13 31-1936	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-P).....	291.17	65.51
28 46 13 31-1937	EA		Outdoor Backbox, Red, 120 Volt AC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2RHK-120).....	303.97	65.51
28 46 13 31-1938	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK).....	296.82	65.51
28 46 13 31-1939	EA		Plain, Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-P).....	282.83	65.51
28 46 13 31-1940	EA		Outdoor, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RK-R).....	246.29	57.80
28 46 13 31-1941	EA		Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2RL-P).....	200.75	57.80
28 46 13 31-1942	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL).....	204.91	57.80
28 46 13 31-1943	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH).....	252.68	57.80
28 46 13 31-1944	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK).....	288.79	65.51
28 46 13 31-1945	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WHK-P).....	291.17	65.51
28 46 13 31-1946	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P2WH-P).....	251.03	57.80
28 46 13 31-1947	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK).....	305.76	65.51
28 46 13 31-1948	EA		Plain, Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WK-P).....	282.83	65.51
28 46 13 31-1949	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P2WL-P).....	199.85	57.80
28 46 13 31-1950	EA		Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RL).....	242.42	57.80
28 46 13 31-1951	EA		Red, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor P4RH).....	242.65	57.80
28 46 13 31-1952	EA		Outdoor Backbox, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK).....	279.45	65.51
28 46 13 31-1953	EA		Outdoor, Red, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4RK-R).....	276.88	65.51
28 46 13 31-1954	EA		White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WL).....	242.42	57.80
28 46 13 31-1955	EA		Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Horn/Strobe (System Sensor PC4WHK).....	315.98	65.51
28 46 13 31-1956	EA		Outdoor Backbox, White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Horn/Strobe (System Sensor P4WK).....	291.76	65.51

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 13 31-1957	EA	Red, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2RL-LF).....	294.21		57.80
28 46 13 31-1958	EA	White, 24 Volt DC, Low-frequency, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Horn/Strobe (System Sensor P2WL-LF).....	294.21		57.80
28 46 13 31-1959	EA	Red, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GRL).....	204.32		57.80
28 46 13 31-1960	EA	White, 12/24 Volt DC, Two Wire, Selectable Intensity (15, 30, 75, 95, 110, 135 And 185 Candela) Multi-Candela, Wall Mounted, Compact Horn Strobe (System Sensor P2GWL).....	204.32		57.80
<b>28 46 13 31-1961</b>		<b>Ceiling Mounted Horns/Strobes</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-1962	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RL).....	207.89		57.80
28 46 13 31-1963	EA	Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RH).....	254.33		57.80
28 46 13 31-1964	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RHK).....	288.79		65.51
28 46 13 31-1965	EA	Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2RK).....	281.05		65.51
28 46 13 31-1966	EA	Plain, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2R-P).....	242.77		57.80
28 46 13 31-1967	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WL).....	207.89		57.80
28 46 13 31-1968	EA	White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH).....	254.33		57.80
28 46 13 31-1969	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WHK).....	288.79		65.51
28 46 13 31-1970	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WH-P).....	254.33		57.80
28 46 13 31-1971	EA	Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2WK).....	281.05		65.51
28 46 13 31-1972	EA	Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC2W-P).....	241.12		57.80
28 46 13 31-1973	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Horn/Strobe (System Sensor PC4RL).....	243.91		57.80
28 46 13 31-1974	EA	Red, Ceiling Mounted, Four Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Horn/Strobe (System Sensor PC4RH).....	242.65		57.80
28 46 13 31-1975	EA	White, Four Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Horn/Strobe (System Sensor PC4WL).....	243.91		57.80
<b>28 46 13 31-1976</b>		<b>Wall Mounted Strobes</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-1977	EA	White Strobe Expander Plate Backbox Skirt (System Sensor SEP-BBSW).....	92.00		19.27
28 46 13 31-1978	EA	White Strobe Expander Plate With Standard Candela (System Sensor SEP-SW).....	172.20		19.27
28 46 13 31-1979	EA	Red, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL).....	186.75		57.80
28 46 13 31-1980	EA	Red, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRH).....	209.95		57.80
28 46 13 31-1981	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK).....	253.03		65.51
28 46 13 31-1982	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK).....	250.51		65.51
28 46 13 31-1983	EA	Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-P).....	261.40		65.51
28 46 13 31-1984	EA	Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRK-R).....	232.23		65.51
28 46 13 31-1985	EA	Red, Plain, Selectable Candela (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SRL-P).....	185.27		57.80
28 46 13 31-1986	EA	White, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL).....	186.16		57.80
28 46 13 31-1987	EA	White, Amber Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-ALERT).....	200.15		57.80
28 46 13 31-1988	EA	White, Clear Lens, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-CLR-ALERT).....	229.56		57.80
28 46 13 31-1989	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH).....	239.47		57.80
28 46 13 31-1990	EA	White, Amber Lens, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-ALERT).....	237.82		57.80
28 46 13 31-1991	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWH-P).....	237.82		57.80
28 46 13 31-1992	EA	Red, Plain, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-P).....	264.97		65.51
28 46 13 31-1993	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK).....	262.29		65.51
28 46 13 31-1994	EA	White, Plain, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Strobe (System Sensor SWHK-P).....	264.38		65.51
28 46 13 31-1995	EA	Red, Outdoor, Selectable Candela (135, 150, 177, 185 Candela) High-Candela, Wall Mounted Strobe (System Sensor SRHK-R).....	258.18		65.51
28 46 13 31-1996	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK).....	259.91		65.51
28 46 13 31-1997	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Strobe (System Sensor SWK-P).....	261.10		65.51
28 46 13 31-1998	EA	White, Plain, 12/24 Volt DC, Selectable (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Wall Mounted Strobe (System Sensor SWL-P).....	184.97		57.80
28 46 13 31-1999	EA	Amber, Wall Strobe Lens Attachment (System Sensor LENS-A).....	31.78		7.71
28 46 13 31-2000	EA	Blue, Wall Strobe Lens Attachment (System Sensor LENS-B).....	31.78		7.71
28 46 13 31-2001	EA	Green, Wall Strobe Lens Attachment (System Sensor LENS-G).....	31.78		7.71
28 46 13 31-2002	EA	Red, Wall Strobe Lens Attachment (System Sensor LENS-R).....	31.78		7.71

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2003	EA		Red, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGRL).....	189.14	57.80
28 46 13 31-2004	EA		White, 12/24 Volt DC, Wall Mounted, L-Series Compact Strobe (System Sensor SGWL).....	185.86	57.80
28 46 13 31-2005	EA		L-Series, Amber, Wall Strobe Lens Attachment (System Sensor LENS-A2, AC2).....	31.78	7.71
28 46 13 31-2006	EA		L-Series, Blue, Wall Strobe Lens Attachment (System Sensor LENS-B2, BC2).....	31.78	7.71
28 46 13 31-2007	EA		L-Series, Green, Wall Strobe Lens Attachment (System Sensor LENS-G2, GC2).....	31.78	7.71
28 46 13 31-2008	EA		L-Series, Red, Wall Strobe Lens Attachment (System Sensor LENS-R2, RC2).....	31.78	7.71
28 46 13 31-2009	EA		Red, 8 Multi-tone, 12 VDC, 1575CD, Wall Mounted Strobe (Wheelock MT-121575W-FR).....	253.28	57.80
28 46 13 31-2010	EA		White, 8 Multi-tone, 12 VDC, 1575CD, No Lettering, Wall Mounted Strobe (Wheelock MT-121575W-NW).....	253.28	57.80
<b>28 46 13 31-2011 Ceiling Mounted Strobes (28 46 13 31-1880)</b>					
28 46 13 31-2012	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRL).....	190.03	57.80
28 46 13 31-2013	EA		Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRH).....	212.46	57.80
28 46 13 31-2014	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCRHK).....	253.03	65.51
28 46 13 31-2015	EA		Outdoor Backbox, Red, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCRK).....	253.03	65.51
28 46 13 31-2016	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWL).....	190.03	57.80
28 46 13 31-2017	EA		Clear Lens, White, Two Wire, 12/24 Volt DC, Standard Candela, Ceiling Mounted Strobe (System Sensor SCWL-CLR-ALERT).....	201.94	57.80
28 46 13 31-2018	EA		White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWH).....	242.77	57.80
28 46 13 31-2019	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (135, 150, 177, 185 Candela) High-Candela, Ceiling Mounted Strobe (System Sensor SCWHK).....	262.29	65.51
28 46 13 31-2020	EA		Outdoor Backbox, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCWK).....	259.91	65.51
28 46 13 31-2021	EA		Plain, White, Two Wire, 12/24 Volt DC, Selectable Intensity (15, 15/75, 30, 75, 110, 115 Candela) Multi-Candela, Ceiling Mounted Strobe (System Sensor SCW-P).....	218.00	57.80
28 46 13 31-2022	EA		Blue, Ceiling Strobe Lens Attachment (System Sensor LENS-BC).....	31.78	7.71
28 46 13 31-2023	EA		Red, Ceiling Strobe Lens Attachment (System Sensor LENS-RC).....	31.78	7.71
28 46 13 31-2024	EA		Green, Ceiling Strobe Lens Attachment (System Sensor LENS-GC).....	31.78	7.71
28 46 13 31-2025	EA		Amber, Ceiling Strobe Lens Attachment (System Sensor LENS-AC).....	31.78	7.71
<b>28 46 13 31-2026 Wall Mounted Speakers (28 46 13 31-1880)</b>					
28 46 13 31-2027	EA		24 Volt DC, 4 Field Selectable Sound Pulse Patterns, Directional Sound Speaker With Voice And Integral Audio Amplifier (System Sensor PF24V).....	462.10	57.80
28 46 13 31-2028	EA		Red, Wall Mounted Speaker (System Sensor SPRL).....	162.64	57.80
28 46 13 31-2029	EA		Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK).....	249.56	57.80
28 46 13 31-2030	EA		Red, Outdoor, Wall Mounted Speaker (System Sensor SPRK-R).....	213.18	65.51
28 46 13 31-2031	EA		Red, High dB, Wall Mounted Speaker (System Sensor SPRV).....	178.50	57.80
28 46 13 31-2032	EA		White, Wall Mounted Speaker (System Sensor SPWL).....	162.64	57.80
28 46 13 31-2033	EA		White, Outdoor, Wall Mounted Speaker (System Sensor SPWK).....	263.78	65.51
28 46 13 31-2034	EA		White, High dB, Wall Mounted Speaker (System Sensor SPWV).....	180.98	57.80
<b>28 46 13 31-2035 Ceiling Mounted Speakers (28 46 13 31-1880)</b>					
28 46 13 31-2036	EA		Red, Ceiling Mounted Speaker (System Sensor SPCRL).....	159.37	57.80
28 46 13 31-2037	EA		Outdoor, Ceiling Mounted Speaker (System Sensor SPCRK).....	229.44	57.80
28 46 13 31-2038	EA		Red, High dB, Ceiling Mounted Speaker (System Sensor SPCR).....	178.50	57.80
28 46 13 31-2039	EA		White, Ceiling Mounted Speaker (System Sensor SPCWL).....	162.05	57.80
28 46 13 31-2040	EA		White, High dB, Ceiling Mounted Speaker (System Sensor SPCWV).....	198.18	57.80
28 46 13 31-2041	EA		White, Outdoor, Ceiling Mounted Speaker (System Sensor SPCWK).....	264.97	65.51
<b>28 46 13 31-2042 Wall Mounted Speakers/Strobes (28 46 13 31-1880)</b>					
28 46 13 31-2043	EA		White Speaker Strobe Expander Plate With Standard Candela (System Sensor SEP-SPSWL).....	170.11	19.27
28 46 13 31-2044	EA		White Speaker Strobe Expander Plate Backbox Skirt (System Sensor SPSEP-BBSWL).....	88.43	19.27
28 46 13 31-2045	EA		Red, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL).....	252.54	57.80
28 46 13 31-2046	EA		Red, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRH).....	257.75	57.80
28 46 13 31-2047	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK).....	337.31	65.51
28 46 13 31-2048	EA		Red, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-P).....	356.66	65.51
28 46 13 31-2049	EA		Red, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRK-R).....	307.24	65.51
28 46 13 31-2050	EA		Red, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRL-P).....	249.86	57.80
28 46 13 31-2051	EA		Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSRV).....	250.20	57.80
28 46 13 31-2052	EA		White, Amber Lens, Wall Mounted, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-ALERT).....	253.73	57.80
28 46 13 31-2053	EA		White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-CLR-ALERT).....	360.83	65.51
28 46 13 31-2054	EA		White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL).....	252.54	57.80
28 46 13 31-2055	EA		White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWH).....	302.22	57.80
28 46 13 31-2056	EA		White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWHP).....	302.22	57.80

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

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28 46 13 31-2057	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK).....	372.73	65.51
28 46 13 31-2058	EA	White, Plain, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWK-P).....	355.47	65.51
28 46 13 31-2059	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-P).....	248.67	57.80
28 46 13 31-2060	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV).....	292.31	57.80
28 46 13 31-2061	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWV-P).....	292.31	57.80
28 46 13 31-2062	EA	L-Series, White, Clear Lens, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Wall Mounted Speaker/Strobe (System Sensor SPSWL-CLR-ALERT).....	266.16	65.51

**28 46 13 31-2063 Ceiling Mounted Speakers/Strobes** (28 46 13 31-1880)

28 46 13 31-2064	EA	Red, Selectable Candela ( 15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRL).....	236.47	57.80
28 46 13 31-2065	EA	Red, Selectable Candela ( 135, 150, 177, 185) Candela, High-Candela, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRH).....	260.26	57.80
28 46 13 31-2066	EA	Red, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115), Ceiling Mounted Speaker/Strobe (System Sensor SPSCRV).....	250.20	57.80
28 46 13 31-2067	EA	White, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL).....	236.47	57.80
28 46 13 31-2068	EA	White, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-CLR-ALERT).....	251.35	57.80
28 46 13 31-2069	EA	White, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH).....	302.22	57.80
28 46 13 31-2070	EA	White, Outdoor, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWHK).....	374.52	65.51
28 46 13 31-2071	EA	White, Plain, High-Candela, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWH-P).....	302.22	57.80
28 46 13 31-2072	EA	White, Outdoor, Clear Lens, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK-CLR-ALERT).....	361.42	65.51
28 46 13 31-2073	EA	White, Outdoor, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWK).....	372.73	65.51
28 46 13 31-2074	EA	White, Plain, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWL-P).....	236.47	57.80
28 46 13 31-2075	EA	White, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV).....	292.31	57.80
28 46 13 31-2076	EA	White, High-Candela/High dB, Selectable Candela (135, 150, 177, 185 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWVH).....	302.22	57.80
28 46 13 31-2077	EA	White, Plain, High dB, Selectable Candela (15, 15/75, 30, 75, 95, 110, 115 Candela), Ceiling Mounted Speaker/Strobe (System Sensor SPSCWV-P).....	292.31	57.80
28 46 13 31-2078	EA	High-Candela/High dB, Ceiling Mounted Speaker/Strobe (System Sensor SPSCRVH).....	301.99	57.80

**28 46 13 31-2079 Electric Alarm Bells** (28 46 13 31-1880)

28 46 13 31-2080	EA	6" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-6).....	197.47	57.80
28 46 13 31-2081	EA	8" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-8).....	212.06	57.80
28 46 13 31-2082	EA	10" Diameter, 24 Volt DC Alarm Bell (System Sensor SSM24-10).....	228.13	57.80

**28 46 13 31-2083 Device Bases** (28 46 13 31-1880)

28 46 13 31-2084	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base (System Sensor B200S).....	146.00	19.27
28 46 13 31-2085	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR).....	141.54	19.27
28 46 13 31-2086	EA	Intelligent Isolator Base (System Sensor B224BI).....	117.42	19.27
28 46 13 31-2087	EA	Intelligent Relay Base (System Sensor B224RB).....	118.61	19.27
28 46 13 31-2088	EA	Flangeless, Intelligent Detector Base (System Sensor B501).....	75.69	19.27
28 46 13 31-2089	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, Ivory (System Sensor B200S-IV).....	146.00	19.27
28 46 13 31-2090	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-IV).....	141.54	19.27
28 46 13 31-2091	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base (System Sensor B200SR-LF).....	208.81	19.27
28 46 13 31-2092	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, Ivory (System Sensor B200SR-LF-IV).....	208.81	19.27
28 46 13 31-2093	EA	Low-Frequency, Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-LF-WH).....	202.26	19.27
28 46 13 31-2094	EA	Code 3 Or Continuous Tone, Intelligent Plug-In Sounder Base, White (System Sensor B200SR-WH).....	153.81	19.27
28 46 13 31-2095	EA	High Or Low Volume Output, Code 3 Or 4, Continuous, March Or Custom Tone, Intelligent, Addressable, Programmable Plug-In Sounder Base, White (System Sensor B200S-WH).....	138.86	19.27
28 46 13 31-2096	EA	Intelligent Isolator Base, Ivory (System Sensor B224BI-IV).....	117.42	19.27
28 46 13 31-2097	EA	Intelligent Isolator Base, White (System Sensor B224BI-WH).....	110.28	19.27
28 46 13 31-2098	EA	Intelligent Relay Base, Ivory (System Sensor B224RB-IV).....	118.61	19.27
28 46 13 31-2099	EA	Intelligent Relay Base, White (System Sensor B224RB-WH).....	111.77	19.27
28 46 13 31-2100	EA	Flangeless, Intelligent Detector Base, Black (System Sensor B501-BL).....	75.69	19.27
28 46 13 31-2101	EA	Flangeless, Intelligent Detector Base, Ivory (System Sensor B501-IV).....	75.69	19.27
28 46 13 31-2102	EA	Flangeless, Intelligent Detector Base, White (System Sensor B501-WHITE).....	67.95	19.27
28 46 13 31-2103	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base (System Sensor B200S-LF).....	212.38	19.27
28 46 13 31-2104	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, Ivory (System Sensor B200S-LF-IV).....	212.38	19.27
28 46 13 31-2105	EA	Intelligent, Addressable, Programmable Low Frequency Plug-In Sounder Base, White (System Sensor B200S-LF-WH).....	204.64	19.27
28 46 13 31-2106	EA	6" Intelligent Flanged Mounting Base (System Sensor B300-6).....	60.87	19.27
28 46 13 31-2107	EA	6" Intelligent Flanged Mounting Base, Ivory (System Sensor B300-6-IV).....	68.31	19.27
28 46 13 31-2108	EA	Two Wire, Flanged, 12/24 Volt DC, Low-Profile, Adapter Base (System Sensor B110LP).....	65.79	19.27
28 46 13 31-2109	EA	Four Wire, Form A And C, 24 Volt DC Low-Profile, Adapter Base (System Sensor B112LP).....	126.33	23.12



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**28 46 13 31-2110**

**Boxes, Plates And Decals (28 46 13 31-1980)**

28 46 13 31-2111	EA		120 Volt AC, Mounting Plate, For Spectralert Advance Devices (System Sensor MP120K) .....	68.55	19.27
28 46 13 31-2112	EA		Red, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBB) .....	100.81	19.27
28 46 13 31-2113	EA		White, Ceiling Mounted, Metal, Weatherproof Backbox (System Sensor MWBBCW) .....	109.39	19.27
28 46 13 31-2114	EA		White, Wall Mounted, Metal, Weatherproof Backbox (System Sensor MWBBW) .....	100.81	19.27
28 46 13 31-2115	EA		Red Retrofit Plate (System Sensor RFP).....	47.17	11.56
28 46 13 31-2116	EA		White Retrofit Plate (System Sensor RFPW).....	46.81	11.56
28 46 13 31-2117	EA		Red, Wall Mounted, Weatherproof Backbox (System Sensor SA-WBB) .....	85.93	19.27
28 46 13 31-2118	EA		Red, Ceiling Mounted, Weatherproof Backbox (System Sensor SA-WBBC).....	96.17	19.27
28 46 13 31-2119	EA		Red, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBCL).....	69.26	19.27
28 46 13 31-2120	EA		White, Ceiling Mounted, Surface Mounted, Backbox (System Sensor SBBWL).....	69.26	19.27
28 46 13 31-2121	EA		Red, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBRL).....	60.57	19.27
28 46 13 31-2122	EA		Red, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPRL).....	67.12	19.27
28 46 13 31-2123	EA		White, Wall Mounted, Surface Mounted, Backbox For Speaker (System Sensor SBBSPWL).....	67.12	19.27
28 46 13 31-2124	EA		White, Wall Mounted, Surface Mounted, Backbox (System Sensor SBBWL).....	60.57	19.27
28 46 13 31-2125	EA		Surface Mounted Box For Intelligent Control Or Monitor Modules (System Sensor SMB500) .....	64.96	19.27
28 46 13 31-2126	EA		Surface Mounted Box For 400 And 500 Series Detectors And Sounder Bases (System Sensor SMB600) .....	60.87	19.27
28 46 13 31-2127	EA		Red, Wall Mounted Horn/Strobe Trim Ring (System Sensor TR-HS).....	22.22	7.71
28 46 13 31-2128	EA		Red Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-R).....	32.02	
28 46 13 31-2129	EA		Red Decals, Three Pack, Spectralert Advance Ceiling Products (System Sensor DECAL-RC).....	44.27	
28 46 13 31-2130	EA		White Decals, Two Pack, Spectralert Advance Wall Products (System Sensor DECAL-W).....	32.02	
28 46 13 31-2131	EA		White Decals, Three Pack, Spectralert Advance Wall Products (System Sensor DECAL-WC) .....	44.27	
28 46 13 31-2132	EA		Red, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2).....	24.39	7.71
28 46 13 31-2133	EA		White, Wall Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TR-2W).....	24.39	7.71
28 46 13 31-2134	EA		Red, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2).....	24.39	7.71
28 46 13 31-2135	EA		White, Ceiling Mounted, L-Series Trim Ring, Pack Of 5 (System Sensor TRC-2W).....	24.39	7.71
28 46 13 31-2136	EA		Red, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGRL).....	60.57	19.27
28 46 13 31-2137	EA		White, Wall/Surface Mounted, L-Series Compact Back Box (System Sensor SBBGWL).....	60.57	19.27
28 46 13 31-2138	EA		Red, AGENT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AG).....	29.10	7.71
28 46 13 31-2139	EA		Red, ALERT Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-AL).....	29.10	7.71
28 46 13 31-2140	EA		Red, EVAC Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-EV).....	29.10	7.71
28 46 13 31-2141	EA		Red, FIRE Lettering, Compact, L-Series Wall Mounted Bezel (System Sensor BZGR-F).....	29.10	7.71
28 46 13 31-2142	EA		White, AGENT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AG).....	29.10	7.71
28 46 13 31-2143	EA		White, ALERT Lettering, L-Series Wall Mounted Bezel (System Sensor BZGW-AL).....	29.10	7.71
28 46 13 31-2144	EA		White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-EV).....	29.10	7.71
28 46 13 31-2145	EA		White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZGW-F).....	29.10	7.71
28 46 13 31-2146	EA		Red, Plain, L-Series Wall Mounted Bezel (System Sensor BZGR-P).....	29.10	7.71
28 46 13 31-2147	EA		White, Plain, L-Series Wall Mounted Bezel (System Sensor BZGW-P).....	29.10	7.71
28 46 13 31-2148	EA		Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	29.10	7.71
28 46 13 31-2149	EA		Red, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AL).....	29.10	7.71
28 46 13 31-2150	EA		Red, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AG).....	31.60	7.71
28 46 13 31-2151	EA		Red, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-AL).....	31.60	7.71
28 46 13 31-2152	EA		Red, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-EV).....	31.60	7.71
28 46 13 31-2153	EA		Red, FIRE Marking, L-Series Ceiling Mounted Bezel, Pack Of 5 (System Sensor BZRC-F).....	31.60	7.71
28 46 13 31-2154	EA		Red, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZRC-P).....	31.60	7.71
28 46 13 31-2155	EA		Red, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZR-EV).....	29.10	7.71
28 46 13 31-2156	EA		Red, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZR-F).....	29.10	7.71
28 46 13 31-2157	EA		Red, PLAIN Marking, L-Series Wall Mounted Bezel (System Sensor BZR-P).....	29.10	7.71
28 46 13 31-2158	EA		Red, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZR-AG).....	29.10	7.71
28 46 13 31-2159	EA		White, AGENT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AG).....	29.10	7.71
28 46 13 31-2160	EA		White, ALERT Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-AL).....	29.10	7.71
28 46 13 31-2161	EA		White, AGENT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AG).....	31.60	7.71
28 46 13 31-2162	EA		White, ALERT Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-AL).....	31.60	7.71
28 46 13 31-2163	EA		White, EVAC Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-EV).....	31.60	7.71
28 46 13 31-2164	EA		White, FIRE Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-F).....	31.60	7.71
28 46 13 31-2165	EA		White, PLAIN Marking, L-Series Ceiling Mounted Bezel (System Sensor BZSPWC-P).....	31.60	7.71
28 46 13 31-2166	EA		White, EVAC Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-EV).....	29.10	7.71
28 46 13 31-2167	EA		White, FIRE Marking, L-Series Wall Mounted Bezel (System Sensor BZSPW-F).....	29.10	7.71
28 46 13 31-2168	EA		Replacement Dust Cover For Low Profile Detectors (System Sensor C58-227-01).....	5.30	
28 46 13 31-2169	EA		Control Module Barrier (System Sensor CB500).....	43.60	11.56
28 46 13 31-2170	EA		White Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300).....	40.39	11.56
28 46 13 31-2171	EA		Black Detector Conversion Kit For SSD Intelligent Low Profile Photo, Ion, And Laser Detectors (System Sensor CK300-BL).....	48.07	11.56
28 46 13 31-2172	EA		PTIR Color Kit, White (System Sensor CK-300-IR).....	170.77	11.56
			Note: Includes cover and trim ring		
28 46 13 31-2173	EA		PTIR Color Kit, Black (System Sensor CK-300-IR-BL).....	246.38	11.56
			Note: Includes cover and trim ring		
28 46 13 31-2174	EA		PTIR Color Kit, Ivory (System Sensor CK-300-IR-IV).....	246.38	11.56
			Note: Includes cover and trim ring		
28 46 13 31-2175	EA		Accessory Flange Ring For B210LP Base (System Sensor F210).....	33.66	11.56
			Note: Includes cover and trim ring		
28 46 13 31-2176	EA		Black Faceplate (System Sensor FP-BLACK-BP).....	32.79	11.56
28 46 13 31-2177	EA		White Faceplate, 2 In/2 Out (System Sensor FP-WHITE-2-BP).....	33.24	11.56
28 46 13 31-2178	EA		White Faceplate (System Sensor FP-WHITE-BP).....	31.78	11.56
28 46 13 31-2179	EA		White, Back Box (System Sensor SMB500-WH).....	57.77	19.27
28 46 13 31-2180	EA		Accessory Flange Ring For B210LP Base, White (System Sensor TR300).....	22.85	7.71
28 46 13 31-2181	EA		Accessory Flange Ring For B210LP Base, Ivory (System Sensor TR300-IV).....	31.54	7.71
28 46 13 31-2182	EA		White Faceplate Swift (System Sensor FP-WHITE-SWIFT-BP).....	34.64	11.56
28 46 13 31-2183	EA		Red, ALERT Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPR-AL).....	29.10	7.71
28 46 13 31-2184	EA		Red, AGENT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AG).....	31.60	7.71



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MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 13 31-2185	EA	Red, ALERT Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-AL) .....	31.60		7.71
28 46 13 31-2186	EA	Red, EVAC Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV) .....	31.60		7.71
28 46 13 31-2187	EA	Red, FIRE Marking, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F) .....	31.60		7.71
28 46 13 31-2188	EA	Red, Plain, L-Series Ceiling Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P) .....	31.60		7.71
28 46 13 31-2189	EA	Red, EVAC Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-EV) .....	29.10		7.71
28 46 13 31-2190	EA	Red, FIRE Marking, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-F) .....	29.10		7.71
28 46 13 31-2191	EA	Red, Plain, L-Series Wall Mounted Bezel For Speakers And Speaker Strobes (System Sensor BZSPRC-P) .....	29.10		7.71
28 46 13 31-2192	EA	L Series, 120 VAC Adapter Mounting Plate (System Sensor MP120KL) .....	86.41		19.27
28 46 13 31-2193	EA	White, Amber Lens, Universal Expander Plate (System Sensor SEP-SPSWL-P) .....	165.05		19.27
<b>28 46 13 31-2194</b>		<b>Chimes</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-2195	EA	Red, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHRL) .....	182.71		57.80
28 46 13 31-2196	EA	White, 12/24 Volt DC, Ceiling Or Wall Mounted Chime (System Sensor CHWL) .....	191.22		57.80
<b>28 46 13 31-2197</b>		<b>Chime/Strobes</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-2198	EA	Red, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSRL) .....	270.40		57.80
28 46 13 31-2199	EA	White, 15, 15/75, 30, 75, 110 Multi-Candela, 24 Volt DC, Ceiling Or Wall Mounted Chime/Strobe (System Sensor CHSWL) .....	270.40		57.80
28 46 13 31-2200	EA	L-Series, Red, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSRL) .....	272.19		57.80
28 46 13 31-2201	EA	L-Series, White, 15, 30, 75, 95, 115, 150, 177 Multi-Candela, 24 Volt DC, Ceiling Mounted Chime/Strobe (System Sensor CHSWL) .....	272.19		57.80
<b>28 46 13 31-2202</b>		<b>Carbon Monoxide Detectors</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-2203	EA	Conventional Carbon Monoxide Detector (System Sensor CO1224) .....	313.26		77.07
28 46 13 31-2204	EA	Round, Sounder And Trouble Relay With Test Function, 12/24 Volt DC, Conventional Carbon Monoxide Detector (System Sensor CO1224TR) .....	268.02		57.80
28 46 13 31-2205	EA	CO Detector Plate For Replacing Round CO Detectors With The CO1224T (System Sensor CO-PLATE) .....	22.60		7.71
28 46 13 31-2206	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan (System Sensor FCO-951) .....	393.04		57.80
28 46 13 31-2207	EA	12/24 VDC, Conventional Carbon Monoxide Detector With Sounder And Trouble Relay With Test Function, UL2075 Listed (System Sensor CO1224T) .....	306.55		77.07
28 46 13 31-2208	EA	Intelliquad Plus Intelligent Addressable Combination Multi-Criteria Fire And Carbon Monoxide Detector With Flashscan, Ivory (System Sensor FCO-951-IV) .....	406.14		57.80
<b>28 46 13 31-2209</b>		<b>Switches</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-2210	EA	SPDT Switch, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-1) .....	237.88		30.83
28 46 13 31-2211	EA	Two SPDT Switches, 4 - 20 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS10-2) .....	264.67		30.83
28 46 13 31-2212	EA	SPDT Switch, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-1) .....	237.88		30.83
28 46 13 31-2213	EA	Two SPDT Switches, 10 - 100 PSI, Waterflow Alarm Pressure Switch (System Sensor EPS40-2) .....	264.67		30.83
28 46 13 31-2214	EA	Outside Screw And Yoke Valve, Two SPDT, Supervisory Switch (System Sensor OSY2) .....	247.41		30.83
28 46 13 31-2215	EA	Post Indicator Butterfly Valve, SPDT, Supervisory Switch (System Sensor PIBV2) .....	231.93		30.83
<b>28 46 13 31-2216</b>		<b>Low Frequency Sounders</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-2217	EA	Red, Low Frequency Sounder (System Sensor HR-LF) .....	244.42		57.80
28 46 13 31-2218	EA	White, Low Frequency Sounder (System Sensor HW-LF) .....	244.42		57.80
28 46 13 31-2219	EA	Red, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCRL-LF) .....	224.26		57.80
28 46 13 31-2220	EA	White, Ceiling Mounted, Low-frequency Compact Sounder (System Sensor HCWL-LF) .....	224.26		57.80
28 46 13 31-2221	EA	Red, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGRL-LF) .....	222.77		57.80
28 46 13 31-2222	EA	White, Wall Mounted, Low-frequency Compact Sounder (System Sensor HGWL-LF) .....	222.77		57.80
<b>28 46 13 31-2223</b>		<b>Sync Modules</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-2224	EA	Red, 12/24 Volt DC, Sync Module (System Sensor MDL3R) .....	193.16		38.54
28 46 13 31-2225	EA	White, 12/24 Volt DC, Sync Module (System Sensor MDL3W) .....	190.19		38.54
<b>28 46 13 31-2226</b>		<b>Relays</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-2227	EA	Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10E) .....	111.91		30.83
28 46 13 31-2228	EA	SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-10T) .....	72.00		19.27
28 46 13 31-2229	EA	4-Gang Relay, Metal Enclosure, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14E) .....	199.28		19.27
28 46 13 31-2230	EA	4-Gang Relay, SPDT, Track Mounted, Multivoltage, Relay (System Sensor R-14T) .....	148.08		19.27
28 46 13 31-2231	EA	Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20E) .....	119.89		30.83
28 46 13 31-2232	EA	DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-20T) .....	74.14		19.27
28 46 13 31-2233	EA	4-Gang Relay, Metal Enclosure, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24E) .....	223.69		19.27
28 46 13 31-2234	EA	4-Gang Relay, DPDT, Track Mounted, Multivoltage, Relay (System Sensor R-24T) .....	168.62		19.27
28 46 13 31-2235	EA	18 To 35 Volt DC, 18 To 35 Volt AC, 120 Volt AC, SPDT Multivoltage Relay (System Sensor PR-1) .....	63.31		19.27
28 46 13 31-2236	EA	10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-2) .....	63.31		19.27
28 46 13 31-2237	EA	Redundant Power Input, 10 To 40 Volt DC, SPDT Multivoltage Relay (System Sensor PR-3) .....	63.31		19.27
<b>28 46 13 31-2238</b>		<b>Remote Annunciator</b> <small>(28 46 13 31-1880)</small>			
28 46 13 31-2239	EA	Remote Annunciator (System Sensor RA100Z) .....	153.12		57.80
28 46 13 31-2240	EA	Remote LED Annunciator (System Sensor RA100ZA) .....	147.63		57.80

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
28 46 13 31-2241 EA Remote Annunciator With Piezo Alarm (System Sensor APA151).....	178.95	57.80
<b>28 46 13 31-2242 Remote Test Station (28 46 13 31-1880)</b>		
28 46 13 31-2243 EA Remote Test Station With Key (System Sensor RTS151KEY).....	230.51	57.80
<b>28 46 13 31-2244 Wheelock Fire Alarm (28 46 13 31)</b>		
<b>28 46 13 31-2245 Ceiling Mounted Chimes/Strobes (28 46 13 31-2244)</b>		
28 46 13 31-2246 EA White, Round, Selectable Candela (15, 30, 75, 100 Candela), 24 Volt DC, Ceiling Mounted Chime/Strobe (Wheelock CH90-24MCC-FW).....	279.66	57.80
<b>28 46 13 31-2247 Wall Mounted Chimes/Strobes (28 46 13 31-2244)</b>		
28 46 13 31-2248 EA Red, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FR).....	279.66	57.80
28 46 13 31-2249 EA White, Selectable Candela (15, 30, 75, 110 Candela), 24 Volt DC, Wall Mounted Chime/Strobe (Wheelock CH70-24MCW-FW).....	279.66	57.80
<b>28 46 13 31-2250 Ceiling Mounted Horns/Strobes (28 46 13 31-2244)</b>		
28 46 13 31-2251 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSRC).....	191.04	57.80
28 46 13 31-2252 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Horn/Strobe (Wheelock HSWC).....	224.56	57.80
<b>28 46 13 31-2253 Wall Mounted Horns/Strobes (28 46 13 31-2244)</b>		
28 46 13 31-2254 EA Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted, Horn/Strobe (Wheelock ASWP-2475W-FR).....	194.55	57.80
28 46 13 31-2255 EA Red, 24 Volt DC, 15/75 Candela, Continuous Or Code 3 Tone, Wall Mounted Horn/Strobe (Wheelock HS4-241575 Watt-FR).....	303.87	57.80
28 46 13 31-2256 EA Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	266.23	57.80
28 46 13 31-2257 EA White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	266.23	57.80
28 46 13 31-2258 EA Red, Flush, 24 Volt AC, 15/75 Candela, Sync/Non-Sync, Wall Mounted Horn/Strobe (Wheelock MT-241575 Watt-FR).....	289.01	57.80
28 46 13 31-2259 EA Red, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FR).....	214.54	57.80
28 46 13 31-2260 EA Red, 115 Volt AC, Wall Mounted Horn/Strobe (Wheelock MT4-115-WH-VFR).....	212.48	57.80
28 46 13 31-2261 EA Red, Weatherproof, 24 Volt DC, 75 Candela, Wall Mounted Horn/Strobe (Wheelock MTWP-2475W-FR).....	235.31	65.51
28 46 13 31-2262 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSR).....	193.72	57.80
28 46 13 31-2263 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock HSW).....	193.72	57.80
28 46 13 31-2264 EA White, 24 Volt AC, Multi-Candela, Wall Mounted Horn/Strobe (Wheelock MT-24MCW-FW).....	211.65	57.80
28 46 13 31-2265 EA Red, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FR).....	266.23	57.80
28 46 13 31-2266 EA White, 24 Volt DC, 15/30/75/110 Selectable Candela, Wall Mounted Horn/Strobe (Wheelock HS4-24MCW-FW).....	266.23	57.80
<b>28 46 13 31-2267 Ceiling Mounted Strobes (28 46 13 31-2244)</b>		
28 46 13 31-2268 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FR).....	183.62	57.80
28 46 13 31-2269 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe (Wheelock RSS-24MCC-FW).....	183.62	57.80
28 46 13 31-2270 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STRC).....	204.91	57.80
28 46 13 31-2271 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Ceiling Mounted Strobe (Wheelock STWC).....	177.44	57.80
28 46 13 31-2272 EA White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, No Lettering (Wheelock RSSA-24MCC-NW).....	194.34	57.80
28 46 13 31-2273 EA White, 24 Volt DC, Amber Lens, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe, Red ALERT Lettering (Wheelock RSSA-24MCC-ALW).....	195.78	57.80
28 46 13 31-2274 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Strobe With Fire Lettering (Wheelock RSS-24MCC-FW).....	196.40	57.80
28 46 13 31-2275 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Weatherproof Strobe With Fire Lettering (Wheelock RSSWP-2475C-FR).....	214.14	57.80
<b>28 46 13 31-2276 Wall Mounted Strobes (28 46 13 31-2244)</b>		
28 46 13 31-2277 EA Red, Multi-Candela, 24 Volt DC, Wall Mounted Strobe (Wheelock AMT-24MCW-FR).....	264.41	57.80
28 46 13 31-2278 EA Red, Retrofit Plate, 12 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSSP-121575W-FR).....	217.83	57.80
28 46 13 31-2279 EA Red, 24 Volt DC, 15/75 Candela, Wall Mounted Strobe (Wheelock RSS-241575W-FR).....	246.07	57.80
28 46 13 31-2280 EA Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FR).....	181.97	57.80
28 46 13 31-2281 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSS-24MCW-FW).....	181.97	57.80
28 46 13 31-2282 EA Red, Retrofit Plate, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Wall Mounted Strobe (Wheelock RSSP-24MCW-FR).....	192.69	57.80
28 46 13 31-2283 EA Outdoor, Red, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FR).....	203.57	65.51
Note: Requires WPSBB-R.		
28 46 13 31-2284 EA Red, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STR).....	178.47	57.80
28 46 13 31-2285 EA White, Two Wire, 12/24 Volt DC, Multi-Candela, Wall Mounted Strobe (Wheelock STW).....	178.47	57.80
28 46 13 31-2286 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCWH-NW).....	207.12	57.80
28 46 13 31-2287 EA White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Wall Mounted Strobe, No Lettering (Wheelock RSS-24MCW-NW).....	183.83	57.80
28 46 13 31-2288 EA Weatherproof, White, 24 Volt DC, 75 Candela, Wall Mounted Strobe (Wheelock RSSWP-2475W-FW).....	233.42	65.51
Note: Requires WPSBB-R.		
28 46 13 31-2289 EA Interior, White, 24 Volt DC, Multi-Candela 135/185, Weatherproof Wall Mounted Strobe (Wheelock RSSWP-24MCWH-FW).....	228.43	57.80
<b>28 46 13 31-2290 Ceiling Mounted Speakers/Strobes (28 46 13 31-2244)</b>		

**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 46 13 31-2291	EA	Red, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....		217.83	57.80
28 46 13 31-2292	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....		217.83	57.80
28 46 13 31-2293	EA	White, 24 Volt DC, Selectable Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-FW).....		217.83	57.80
28 46 13 31-2294	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....		219.90	57.80
28 46 13 31-2295	EA	White, 24 Volt DC, Multi-Candela 115/177, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FW).....		231.44	57.80
28 46 13 31-2296	EA	White, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FW).....		247.51	57.80
28 46 13 31-2297	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 95 Candela), Ceiling Mounted Speaker/Strobe (Wheelock ET90-24MCC-FR).....		247.51	57.80
28 46 13 31-2298	EA	Red, 24 Volt DC, Multi-Candela (15, 30, 75, 110 Candela), Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-FR).....		221.54	57.80
28 46 13 31-2299	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Square, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E70-24MCC-NW).....		254.33	57.80
28 46 13 31-2300	EA	Round, 2 Watt, 24 Volt DC, 15/30/75/95CD, No Lettering, Ceiling Mounted Speaker/Strobe (Wheelock E90-24MCC-NW).....		268.61	57.80
28 46 13 31-2301	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Ceiling Mounted, Speaker/Strobe (Wheelock ET70WP-2475C-FW).....		282.90	57.80
<b>28 46 13 31-2302</b>		<b>Wall Mounted Speakers/Strobes</b> <small>(28 46 13 31-2244)</small>			
28 46 13 31-2303	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FR).....		331.95	57.80
28 46 13 31-2304	EA	White, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E50-241575 Watt-FW).....		331.95	57.80
28 46 13 31-2305	EA	Red, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FR).....		231.44	57.80
28 46 13 31-2306	EA	White, 24 Volt DC, Multi-Candela 115/177, Wall Mounted Speaker/Strobe (Wheelock E60-24MCC-FW).....		231.44	57.80
28 46 13 31-2307	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FR).....		217.83	57.80
28 46 13 31-2308	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E50-24MCW-FW).....		214.54	57.80
28 46 13 31-2309	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FR).....		231.44	57.80
28 46 13 31-2310	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E50-24MCWH-FW).....		231.44	57.80
28 46 13 31-2311	EA	Red, Square, 24 Volt DC, 15/75 Candela, 25/70.7 VRMS, Wall Mounted Speaker/Strobe (Wheelock E70-241575 Watt-FR).....		328.65	57.80
28 46 13 31-2312	EA	Red, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FR).....		219.90	57.80
28 46 13 31-2313	EA	White, Square, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock E70-24MCW-FW).....		218.25	57.80
28 46 13 31-2314	EA	Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....		321.21	57.80
28 46 13 31-2315	EA	White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....		328.65	57.80
28 46 13 31-2316	EA	Red, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FR).....		247.51	57.80
28 46 13 31-2317	EA	White, 24 Volt DC, Selectable Candela 15/30/75/110, Wall Mounted Speaker/Strobe (Wheelock ET70-24MCW-FW).....		247.51	57.80
28 46 13 31-2318	EA	Weatherproof, Red, 24 Volt DC, 75 Candela, Wall Mounted Speaker Strobe (Wheelock ET70WP-2475 W-FR)..... Note: Requires weatherproof backbox (IOB).		358.09	65.51
28 46 13 31-2319	EA	Interior, Red, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FR).....		202.58	57.80
28 46 13 31-2320	EA	Interior, White, 24 Volt DC, Multi-Candela 135/185, Wall Mounted Speaker/Strobe (Wheelock RSS-24MCWH-FW).....		196.40	57.80
28 46 13 31-2321	EA	White, 2 Watts, 24 Volt DC, 15/30/75/95 Candela, Round, Wall Mounted Speaker/Strobe (Wheelock E60-24MCW-FW).....		268.61	57.80
28 46 13 31-2322	EA	Red, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FR).....		282.90	57.80
28 46 13 31-2323	EA	White, 24 Volt DC, 135/185 Multi-Candela, Wall Mounted Speaker/Strobe (Wheelock E70-24MCWH-FW).....		288.26	57.80
28 46 13 31-2324	EA	White, 8 Watt, 24 VDC, 15/30/75/110 Candela, No Lettering, Wall Mounted, Speaker/Strobe (Wheelock ET70-24MCW-NW).....		297.19	57.80
28 46 13 31-2325	EA	Red, 8 Watts, Weatherproof, 185 Candela, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-24185W-FR).....		303.74	57.80
28 46 13 31-2326	EA	Red, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FR)..... Note: Requires IOB		299.57	57.80
28 46 13 31-2327	EA	White, 8 Watts, 24 Volt DC, 75 Candela, Weatherproof, Wall Mounted, Speaker/Strobe (Wheelock ET70WP-2475W-FW)..... Note: Requires IOB		297.19	57.80
<b>28 46 13 31-2328</b>		<b>Electric Alarm Bells</b> <small>(28 46 13 31-2244)</small>			
28 46 13 31-2329	EA	6" Diameter, 24 Volt DC, Red, Vibrating Bell (Wheelock 43T-G6-24-R).....		212.89	57.80
28 46 13 31-2330	EA	6" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G6-115-R).....		206.29	57.80
28 46 13 31-2331	EA	10" Diameter, 115 Volt AC, Red, Vibrating Bell (Wheelock 43T-G10-115-R).....		250.40	57.80
28 46 13 31-2332	EA	10" Diameter, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSX10-115-R).....		1,776.50	65.51
28 46 13 31-2333	EA	10" Diameter, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CSXG10-115-R).....		2,851.51	65.51
28 46 13 31-2334	EA	10" Diameter, Vibrating, Outdoor, 115 Volt AC, Single Stroke, Red, Explosion Proof Bell (Wheelock CVXG10-115-R).....		3,392.61	65.51
28 46 13 31-2335	EA	6", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G6-24-R).....		175.58	57.80
28 46 13 31-2336	EA	10", ADA, 24 Volt DC, Red, Motor Bell (Wheelock MB-G10-24-R).....		239.44	57.80
28 46 13 31-2337	EA	6", ADA, 12 Volt DC, Red, Motor Bell (Wheelock MB-G6-12-R).....		178.06	57.80
28 46 13 31-2338	EA	10", ADA, 12 Volt DC, Red, Indoor/Outdoor Motor Bell (Wheelock MB-G10-12-R).....		237.36	57.80
<b>28 46 13 31-2339</b>		<b>Horns</b> <small>(28 46 13 31-2244)</small>			
28 46 13 31-2340	EA	Two Wire, 24 Volt DC, Indoor Or Outdoor, Continuous Or Code 3, Sync Or Non-Sync Horn (Wheelock AH-24WP-R).....		181.67	57.80
28 46 13 31-2341	EA	Red, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNR).....		152.38	57.80
28 46 13 31-2342	EA	White, Two Wire, 12/24 Volt DC, Wall Mounted Horn (Wheelock HNW).....		152.38	57.80
28 46 13 31-2343	EA	Red, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNR).....		153.28	57.80
28 46 13 31-2344	EA	White, Two Wire, 12/24 Volt DC, Ceiling Mounted Horn (Wheelock HNC).....		153.28	57.80
28 46 13 31-2345	EA	Red, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-R).....		138.03	57.80

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
28 46 13 31-2346	EA	White, 24 Volt DC, Sync With Built-In Temporal, Mini-Horn (Wheelock MIZ-24S-W) .....	138.03		57.80
28 46 13 31-2347	EA	Red, Flush, 12/24 Volt AC, Horn (Wheelock MT-12/24-R) .....	153.28		57.80
28 46 13 31-2348	EA	Red, 24 Volt DC, Four Wire, Wall Mounted Horn (Wheelock HS-24-R).....	183.48		57.80
<b>28 46 13 31-2349 Speakers (28 46 13 31-2244)</b>					
28 46 13 31-2350	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-R).....	155.92		57.80
28 46 13 31-2351	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Mounted Speaker (Wheelock E50-W) .....	155.92		57.80
28 46 13 31-2352	EA	Red, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-R).....	155.92		57.80
28 46 13 31-2353	EA	White, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Ceiling Mounted Speaker (Wheelock E60-W) .....	154.11		57.80
28 46 13 31-2354	EA	Red, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-R) .....	155.92		57.80
28 46 13 31-2355	EA	White, Flush, Square, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E70-W).....	155.92		57.80
28 46 13 31-2356	EA	Red, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-R).....	155.92		57.80
28 46 13 31-2357	EA	White, Round, 25 Or 70.7 VRMS, 1/8 To 2 Watt, Wall Or Ceiling Mounted Speaker (Wheelock E90-W) .....	155.92		57.80
28 46 13 31-2358	EA	Red, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-R).....	175.79		57.80
28 46 13 31-2359	EA	White, Flush Or Surface, Square, 1/8 - 8 Watt, Wall Mounted Speaker (Wheelock ET70-W) .....	175.79		57.80
28 46 13 31-2360	EA	White, Round, 25 Or 70.7 VRMS, 1/8 - 8 Watt Ceiling Mounted Speaker (Wheelock ET90-W).....	177.44		57.80
28 46 13 31-2361	EA	Red, Surface Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1010-R) .....	238.85		57.80
28 46 13 31-2362	EA	Red, Flush Mounted, Vandal Resistant, Square, 1/8 - 8 Watt, Wall Or Ceiling Mounted Speaker (Wheelock ET-1080-R) .....	218.01		57.80
28 46 13 31-2363	EA	Grey, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15S).....	305.22		57.80
28 46 13 31-2364	EA	Red, 1 To 15 Watt, 25/70/100 Volt Transformer, Loud Speaker (Wheelock STH-15SR).....	305.22		57.80
28 46 13 31-2365	EA	Red, 1/8 To 8 Watts, Square, Surface Mounted, Vandal Resistant Speaker (Wheelock ET-1010-R) .....	238.85		57.80
28 46 13 31-2366	EA	White, 8 Watts, Wall/Ceiling Mounted, Vandal Resistant Speaker (Wheelock ET-1010-W).....	241.23		57.80
28 46 13 31-2367	EA	Red, 1/8 To 8 Watts, Square, Flush Mounted, Vandal Resistant Speaker (Wheelock ET-1080-R).....	218.01		57.80
28 46 13 31-2368	EA	White, 8", 25/70 Volt, 15/30/75/95 Candela, Round, Ceiling Mounted, Speaker (Wheelock S8-24MCC-FW).....	312.67		57.80
28 46 13 31-2369	EA	White, 8", 25/70 Volt, Round, Ceiling Mounted, Speaker (Wheelock S8-70/25).....	232.30		57.80
<b>28 46 13 31-2370 Sync Modules (28 46 13 31-2244)</b>					
28 46 13 31-2371	EA	12 Or 24 Volt DC, Single Circuit Class B, Sync Module (Wheelock SM-12/24-R) .....	205.88		38.54
<b>28 46 13 31-2372 Boxes, Plates And Rings (28 46 13 31-2244)</b>					
28 46 13 31-2373	EA	4" Square, Red, Surface Backbox (Wheelock BB-R).....	47.57		19.27
28 46 13 31-2374	EA	Standard 4" Square Box (Wheelock BB-STD).....	47.83		19.27
28 46 13 31-2375	EA	Black, Backbox For UZC-256 (Wheelock BB-UZC).....	269.37		38.54
28 46 13 31-2376	EA	Red, Backbox For UZC-256 (Wheelock BB-UZC-R).....	269.37		38.54
28 46 13 31-2377	EA	9" x 12" x 2.75", For Two XP Boards, Surface Mounted Cabinet (Wheelock BB-XP).....	208.12		30.83
28 46 13 31-2378	EA	Red, Extender Ring For E60 Series (Wheelock E60EXT-R) .....	23.49		7.71
28 46 13 31-2379	EA	White, Extender Ring For E60 Series (Wheelock E60EXT-W).....	23.49		7.71
28 46 13 31-2380	EA	Red, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-R) .....	57.34		19.27
28 46 13 31-2381	EA	White, Surface Mounted Backbox For E50 Speakers (Wheelock E50SB-W).....	54.70		19.27
28 46 13 31-2382	EA	Red, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-R) .....	57.34		19.27
28 46 13 31-2383	EA	White, Surface Mounted Backbox For E50 Speaker Strobe (Wheelock E50SSB-W).....	57.34		19.27
28 46 13 31-2384	EA	4" Square Backbox (Wheelock DBB-R).....	49.26		19.27
28 46 13 31-2385	EA	Red, Surface Backbox (Wheelock IOB-R).....	55.60		19.27
28 46 13 31-2386	EA	White, Surface, Backbox (Wheelock IOB-W).....	55.60		19.27
28 46 13 31-2387	EA	White, Indoor, Surface Extender (Wheelock ISP2-W).....	22.62		7.71
28 46 13 31-2388	EA	Red, RS/RSS Strobe Trim Plate (Wheelock NATP-R).....	29.45		7.71
28 46 13 31-2389	EA	White, RS/RSS Strobe Trim Plate (Wheelock NATP-W).....	29.45		7.71
28 46 13 31-2390	EA	Red Retrofit Plate (Wheelock RP-R).....	26.13		7.71
28 46 13 31-2391	EA	4" Speaker/Strobe Ceiling Tile Support Bracket (Wheelock SSB-4).....	45.53		7.71
28 46 13 31-2392	EA	Red, Surface Mounted, Backbox For Chimes, Speakers (Wheelock SBB-R).....	57.75		19.27
28 46 13 31-2393	EA	White, Surface Mounted, Backbox For Chimes, Speaker (Wheelock SBB-W).....	58.33		19.27
28 46 13 31-2394	EA	Red, Surface Mounted, Backbox For With RSSP (Wheelock SBL2-R) .....	61.38		19.27
28 46 13 31-2395	EA	Red, Semi-Flush Plate (Wheelock SFB-R).....	30.69		7.71
28 46 13 31-2396	EA	White, Semi-Flush Plate (Wheelock SFB-W).....	30.69		7.71
28 46 13 31-2397	EA	Red, Shallow Surface Mounted, Backbox (Wheelock SHBB-R).....	52.02		19.27
28 46 13 31-2398	EA	White, Shallow Surface Mounted, Backbox (Wheelock SHBB-W).....	52.02		19.27
28 46 13 31-2399	EA	Red, Adapter Plate For Mounting Sth-15S And Sth-15SR (Wheelock SHMP-R).....	31.57		7.71
28 46 13 31-2400	EA	Red, Weather Resistant Backbox (Wheelock WBB-R).....	57.01		19.27
28 46 13 31-2401	EA	Silver, Weather Resistant Backbox (Wheelock WBB-S).....	57.01		19.27
28 46 13 31-2402	EA	White, Weather Resistant Backbox (Wheelock WBB-W).....	57.01		19.27
28 46 13 31-2403	EA	Red, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-R) .....	37.83		7.71
28 46 13 31-2404	EA	White, Flush Outdoor Mounting Plate For RS, ET, AH And MT Series (Wheelock WFP-W) .....	37.83		7.71
28 46 13 31-2405	EA	Red, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-R) .....	37.83		7.71
28 46 13 31-2406	EA	White, Flush Outdoor Mounting Plate For ASWP Series (Wheelock WFPA-W).....	37.83		7.71
28 46 13 31-2407	EA	Gasket Kit For Rear Wiring To Outdoor Backbox (Wheelock WP-KIT).....	28.45		7.71
28 46 13 31-2408	EA	Weather Resistant Backbox For ASWP (Wheelock WPBB-R) .....	70.93		19.27
28 46 13 31-2409	EA	Weather Resistant Backbox For RSSWP (Wheelock WPSBB-R) .....	65.69		19.27
28 46 13 31-2410	EA	Red Plate For RSS (Wheelock RSSCP-R).....	22.62		7.71
28 46 13 31-2411	EA	White Plate For RSS (Wheelock RSSCP-W).....	22.62		7.71
28 46 13 31-2412	EA	Red Fire Plate For RSS (Wheelock RSSCPW-FR) .....	23.49		7.71
28 46 13 31-2413	EA	White Fire Plate For RSS (Wheelock RSSCPW-FW).....	23.49		7.71
28 46 13 31-2414	EA	Red, Indoor, Surface Extender (Wheelock ISP2-R).....	22.99		7.71
28 46 13 31-2415	EA	Red, 24 Volt DC, 135/185 Candela, Wall Mounted Strobe Plate (Wheelock RSSP-24MCHW-FR).....	158.29		7.71
28 46 13 31-2416	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-ALW) .....	142.22		7.71
28 46 13 31-2417	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, No Lettering, Ceiling Mounted Strobe Plate (Wheelock RSSPA-24MCC-NW).....	139.84		7.71
28 46 13 31-2418	EA	White, 24 Volt DC, 15/30/75/110 Candela, Amber Lens, ALERT Lettering, Wall Mounted Strobe Plate (Wheelock RSSPA-24MCCW-ALW).....	142.22		7.71
28 46 13 31-2419	EA	Red, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-R).....	26.54		7.71



**28 Electronic Safety and Security****28 40 Life Safety****28 46 Fire Detection and Alarm**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
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28 46 13 31-2420	EA	White, Square Grill Plate For CH70, E70, ET70 (Wheelock ECHG70-W)	25.83	7.71
28 46 13 31-2421	EA	Red, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-R)	27.08	7.71
28 46 13 31-2422	EA	White, Round Grill Plate For CH70, E70, ET70 (Wheelock ECHG90-W)	27.08	7.71
28 46 13 31-2423	EA	White, Fire Lettered, Grill Plate For E50 Speaker/Strobe (Wheelock ECHSG50-FW)	25.83	7.71
28 46 13 31-2424	EA	Red, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FR)	26.96	7.71
28 46 13 31-2425	EA	White, Square, Fire Lettered, Grill Plate For CH70,E70,ET70 Speaker/Strobe (Wheelock ECHSG70W-FW)	26.96	7.71
28 46 13 31-2426	EA	Red, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-R)	25.83	7.71
28 46 13 31-2427	EA	White, Round, Fire Lettered, Grill Plate For CH70, E70, ET70 Speaker Strobe (Wheelock ECHSG90-W)	25.83	7.71
28 46 13 31-2428	EA	Red, Surface Mounted, Extender Ring (Wheelock SER-R)	34.88	7.71
28 46 13 31-2429	EA	White, Surface Mounted, Extender Ring (Wheelock SER-W)	35.24	7.71
28 46 13 31-2430	EA	Red, Semi-Flush, Plate (Wheelock SFP-R)	28.45	7.71
28 46 13 31-2431	EA	Silver, Semi-Flush, Plate (Wheelock SFP-S)	27.08	7.71
28 46 13 31-2432	EA	White, Semi-Flush, Plate (Wheelock SFP-W)	28.45	7.71
28 46 13 31-2433	EA	Red, Weather Resistant Back Box For ASWP (Wheelock WPBB-R)	70.93	19.27
28 46 13 31-2434	EA	Red, Weather Resistant Back Box For RSSWP (Wheelock WPSBB-R)	65.69	19.27
28 46 13 31-2435	EA	White, Weather Resistant Back Box For RSSWP Series (Wheelock WPSBB-W)	65.69	19.27

**28 46 13 31-2436 Manual Pull Station** (28 46 13 31-2244)

28 46 13 31-2437	EA	SPST, Single Action, Manual Pull Station (Eaton Wheelock MPS-100)	153.73	38.54
28 46 13 31-2438	EA	SPST, Double Action, Manual Pull Station (Eaton Wheelock MPS-200)	153.73	38.54
28 46 13 31-2439	EA	Explosion Proof, Single Action Manual Pull Station (Eaton Wheelock MPS-400X)	1,234.60	38.54

**28 46 13 31-2440 Fire Alarm Terminal Cabinets** (28 46 13 31)

28 46 13 31-2441	EA	18 Point Lockable Fire Alarm Terminal Cabinet	288.32	77.22
28 46 13 31-2442	EA	32 Point Lockable Fire Alarm Terminal Cabinet	368.67	77.22
28 46 13 31-2443	EA	64 Point Lockable Fire Alarm Terminal Cabinet	529.35	77.22
28 46 13 31-2444	EA	128 Point Lockable Fire Alarm Terminal Cabinet	689.99	77.22

**28 46 13 31-2445 Fire Alarm Digital Cellular Communicator** (28 46 13 31)

28 46 13 31-2446	EA	Digital Cellular Communicator With Antenna And Red Enclosure (Telular Telguard TG-7FS)	801.99	77.07
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**28 46 13 31-2447 Test And Certification Of Fire Alarm System To Tie In To Existing Systems**

28 46 13 31-2448	DAY	Test And Certification Of Fire Alarm System To Tie Into Existing Systems	1,224.34	
28 46 13 31-2449	HR	Test And Certification Of Fire Alarm System To Tie In To Existing Systems	382.61	

**28 46 13 31-2450 Programming Of Existing Fire Alarm System** (28 46 13 31)

28 46 13 31-2451	HR	Programming Of Existing Fire Alarm System	459.13	
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**28 46 13 31-2452 Removal And Reinstallation Of Smoke Detector** (28 46 13 31)

Note: Includes storage, cleaning and supply materials.				
28 46 13 31-2453	EA	Removal And Reinstallation Of Ceiling Mounted Smoke Detector	215.80	
28 46 13 31-2454	EA	Removal And Reinstallation Of Wall Mounted Smoke Detector	173.41	

**28 46 13 31-2455 Kidde Fire Safety Equipment** (28 46 13 31)**28 46 13 31-2456 Smoke Detectors** (28 46 13 31-2455)

28 46 13 31-2457	EA	Combination Smoke And Carbon Monoxide Detector, Intelligent Sensor, 120 Volt Hardwired, With 10 Year Sealed Battery Back-up (Kidde P4010ACS-CO)	185.76	57.80
28 46 13 31-2458	EA	Combination Smoke And Carbon Monoxide Detector, 120 Volt Wired, With 10 Year Sealed Battery Back-up (Kidde i12010SCO)	165.97	57.80
28 46 13 31-2459	EA	Combination Smoke And Carbon Monoxide Detector, With 10 Year Sealed Battery (Kidde P3010K-CO)	148.70	57.80

**28 46 13 31-2460 Potter Fire Alarm** (28 46 13 31)**28 46 13 31-2461 Electric Alarm Bells** (28 46 13 31-2460)

28 46 13 31-2462	EA	6" Alarm Bell, 12 Volt DC (Potter MBA-6-12)	155.33	57.80
28 46 13 31-2463	EA	8" Alarm Bell, 12 Volt DC (Potter MBA-8-12)	167.88	57.80
28 46 13 31-2464	EA	10" Alarm Bell, 12 Volt DC (Potter MBA-10-12)	174.15	57.80
28 46 13 31-2465	EA	6" Alarm Bell, 24 Volt DC (Potter MBA-6-24)	155.33	57.80
28 46 13 31-2466	EA	8" Alarm Bell, 24 Volt DC (Potter MBA-8-24)	167.88	57.80
28 46 13 31-2467	EA	10" Alarm Bell, 24 Volt DC (Potter MBA-10-24)	174.15	57.80
28 46 13 31-2468	EA	6" Alarm Bell, 24 Volt AC (Potter PBA246)	165.98	57.80
28 46 13 31-2469	EA	8" Alarm Bell, 24 Volt AC (Potter PBA248)	172.00	57.80
28 46 13 31-2470	EA	10" Alarm Bell, 24 Volt AC (Potter PBA2410)	207.46	57.80
28 46 13 31-2471	EA	6" Alarm Bell, 120 Volt AC (Potter PBA1206)	157.14	57.80
28 46 13 31-2472	EA	8" Alarm Bell, 120 Volt AC (Potter PBA1208)	172.00	57.80
28 46 13 31-2473	EA	10" Alarm Bell, 120 Volt AC (Potter PBA12010)	184.42	57.80

**28 46 13 31-2474 Manual Pull Station** (28 46 13 31-2460)

28 46 13 31-2475	EA	SPST, Single Action, Manual Pull Station (Potter P32-1T)	112.63	38.54
28 46 13 31-2476	EA	DPST, Single Action, Manual Pull Station (Potter RMS-2T)	118.33	38.54
28 46 13 31-2477	EA	DPST, Single Action, Manual Pull Station (Potter RMS-6T)	182.44	38.54
28 46 13 31-2478	EA	DPST, Single Action, Key Reset Manual Pull Station (Potter RMS-1T-KL)	121.87	38.54
28 46 13 31-2479	EA	SPST, Dual Action, Manual Pull Station (Potter P32-1T-LP)	115.86	38.54
28 46 13 31-2480	EA	SPST, Weather Proof, Manual Pull Station (Potter RMS-1T-WP)	202.49	38.54



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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28 46 13 31-2481	EA		SPST, Weather Proof Dual Action, Manual Pull Station (Potter RMS-1T-WP-LP).....	250.32	38.54
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**28 46 31 Fire-Alarm Initiating Devices (28 46)**

**28 46 31 11 Heat-Sensing Fire Detectors (28 46 31)**

**28 46 31 11-0001 Protectowire Fire Alarm (28 46 31 11)**

**28 46 31 11-0002 Linear Heat Detector Cable (28 46 31 11-0001)**

28 46 31 11-0003	LF		Multi-Purpose Linear Heat Detector, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC).....	6.23	
28 46 31 11-0004	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, EPC Type, 155 To 220 Degree F (Protectowire PHSC-EPC-M).....	6.72	
28 46 31 11-0005	LF		High Performance Linear Heat Detector, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR).....	6.72	
28 46 31 11-0006	LF		High Performance Linear Heat Detector With Messenger Wire, XCR Type, 155 To 220 Degree F (Protectowire PHSC-XCR-M).....	7.22	
28 46 31 11-0007	LF		Multi-Purpose Linear Heat Detector, XLT Type, 135 Degree F (Protectowire PHSC-XLT).....	8.12	
28 46 31 11-0008	LF		Multi-Purpose Linear Heat Detector With Messenger Wire, XLT Type, 135 Degree F (Protectowire PHSC-XLT-M).....	8.62	
28 46 31 11-0009	EA		Flexible Lead Connector For Linear Heat Detector (Protectowire PFL).....	83.68	
28 46 31 11-0010	EA		Splicing Connector For Linear Heat Detector (Protectowire PWSC).....	31.38	
28 46 31 11-0011	EA		Cable Tray Clip For Linear Heat Detector (Protectowire CC-2N And CC-2W).....	11.18	
28 46 31 11-0012	EA		Cable Tray Spring Clip For Linear Heat Detector (Protectowire HPC-2).....	11.18	
28 46 31 11-0013	EA		Adhesive Cable Mount For Linear Heat Detector (Protectowire EMS-A-CO).....	12.66	
28 46 31 11-0014	EA		Beam Clamp For Linear Heat Detector (Protectowire BC-2).....	19.70	
28 46 31 11-0015	EA		Beam Clamp With Polypropylene Clip For Linear Heat Detector (Protectowire BC-3P).....	20.36	
28 46 31 11-0016	EA		Pipe Mounting Straps Nylon (3/4" to 2" Pipe) (Protectowire PM-3A).....	1.71	
28 46 31 11-0017	EA		Pipe Mounting Straps Nylon (2-1/2" to 3-1/2" Pipe) (Protectowire PM-3B).....	2.33	
28 46 31 11-0018	EA		Pipe Mounting Straps Nylon (4" to 6" Pipe) (Protectowire PM-3C).....	10.12	

**28 46 41 Fire-Alarm Notification Appliances (28 46)**

**28 46 41 11 Audible Fire-Alarm Notification Appliances (28 46 41)**

See CSI section 28 46 13 31-0000 for fire alarm speakers.

**28 46 41 31 Combination Fire-Alarm Notification Appliances (28 46 41)**

See CSI section 28 46 13 31-0000 for fire alarm horns and strobes.

**28 47 Mass Notification (28 40)**

**28 47 21 Mass Notification System Interfaces (28 47)**

**28 47 21 21 Notification Interfaces to Fire Detection and Alarm (28 47 21)**

**28 47 21 21-0001 Emergency Command Center (Honeywell Fire-Lite) (28 47 21 21)**

28 47 21 21-0002	EA		Emergency Command Center Multipurpose Emergency Voice Evacuation Panels (Fire-Lite ECC-50/100(E)).....	2,794.44	385.36
28 47 21 21-0003	EA		Circuit Expander Module (Fire-Lite ECC_CE6).....	526.24	30.83
28 47 21 21-0004	EA		25V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_25V).....	466.74	38.54
28 47 21 21-0005	EA		75V, 50 Watt Audio Amplifier Module (Fire-Lite ECC_50W_70V).....	480.80	38.54
28 47 21 21-0006	EA		70V Transformer Conversion Module (Fire-Lite ECC_XRM_70V).....	254.37	38.54
28 47 21 21-0007	EA		Local Operator Console (Fire-Lite ECC-LOC).....	1,449.88	77.07
28 47 21 21-0008	EA		Remote Page Unit Hand Held Microphone (Fire-Lite ECC-RPU).....	1,132.41	19.27
28 47 21 21-0009	EA		Distributed (Remote) Audio Amplifier, 50 Watts (Fire-Lite ECC-50DA).....	1,109.61	77.07
28 47 21 21-0010	EA		Distributed (Remote) Audio Amplifier, 125 Watts (Fire-Lite ECC-125DA).....	1,891.58	77.07
28 47 21 21-0011	EA		Distributed (Remote) Audio Amplifier With Backup, 50/100 Watts (Fire-Lite ECC50BDA).....	2,985.60	77.07
28 47 21 21-0012	EA		100 Watt Primary / 50 Watt Back-up Remote Amplifier Expander Card (Fire-Lite ECC-50WBU).....	1,463.48	38.54
28 47 21 21-0013	EA		Distributed Audio Speaker Circuit/Zone Expander Module (Fire-Lite ECC-CE4).....	461.60	38.54
28 47 21 21-0014	EA		Addressable Mini-Monitor Module (Fire-Lite MMF-301).....	119.08	38.54
28 47 21 21-0015	EA		Thumb Latch (Fire-Lite THUMBLTCH).....	63.85	15.41
28 47 21 21-0016	EA		25-120 Ampere-Hours (AH) Battery Charger (Fire-Lite CHG-120F).....	815.67	15.41
28 47 21 21-0017	EA		Replacement Microphone (Fire-Lite ECC-MICROPHONE).....	172.88	15.41
28 47 21 21-0018	EA		12 Volt, 7 Ampere-Hour (AH) Battery (Fire-Lite BAT-1270).....	324.62	38.54
28 47 21 21-0019	EA		12 Volt, 12 Ampere-Hour (AH) Battery (Fire-Lite BAT-12120).....	413.08	38.54
28 47 21 21-0020	EA		12 Volt, 18 Ampere-Hour (AH) Battery (Fire-Lite BAT-12180).....	310.26	38.54

**28 49 Electronic Personal Protection Systems (28 40)**

**28 49 11 Electronic Personal Safety Detection Systems (28 49)**

**28 49 11 00-0001 Personnel Alarm Locating System (28 49 11)**

Note: Includes a central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels, eighty (80) personal alarm transmitters with lithium batteries, eighty (80) lapel readers, two hundred fifty (250) IR locators, twenty one (21) repeaters and receivers, back boxes, cables.

28 49 11 00-0002	EA		Personnel Alarm Locating System.....	24,762.03	1,237.54
			Note: Includes Pentium III central computer, 17" VGA color monitor, keyboard and mouse, personal alarm locating software, a printer, interface cards and panels.		
28 49 11 00-0003	EA		Personnel Alarm Transmitters With Lithium Batteries.....	193.15	
28 49 11 00-0004	EA		Lapel Reader.....	74.29	
28 49 11 00-0005	EA		IR Locator.....	285.79	46.33
28 49 11 00-0006	EA		Repeaters And Receivers.....	710.06	154.44

**28 49 17 Electronic Personal Safety Emergency Aid Devices (28 49)**

**28 49 17 00-0001 Electronic Personal Safety Emergency Aid Devices (Edwards Signaling) (28 49)**

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**28 Electronic Safety and Security****28 40 Life Safety****28 49 Electronic Personal Protection Systems**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
28 49 17 00-0002		<b>Call For Assistance Kits, Emergency Aid Devices (Edwards Signaling)</b> (28 49 17 00-0001)			
28 49 17 00-0003	EA	Pull Cord Call For Assistance Kit With Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7008B-N5) ..... Note: Includes 1 high intensity strobe/buzzer (7007B-N5) and 1 emergency pull cord station (6537).	381.93		92.67
28 49 17 00-0004	EA	Push Button Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 7005-G5) ..... Note: Includes 1 high intensity strobe/horn (6536-G5), 1 emergency pull cord station (6537), and 1 transformer 592.	452.62		108.11
28 49 17 00-0005	EA	Pull Cord Call For Assistance Kit With Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6538-G5) ..... Note: Includes 1 high intensity strobe/horn (6536-G5), 1 wall mounted push button (620/147-10), and 1 transformer 592.	455.73		108.11
28 49 17 00-0006		<b>Audible/Visual Signaling Devices, Emergency Aid Devices (Edwards Signaling)</b> (28 49 17 00-0001)			
28 49 17 00-0007	EA	High Intensity Strobe/Buzzer, Emergency Aid Devices (Edwards Signaling 7007B-N5) .....	277.89		57.91
28 49 17 00-0008	EA	High Intensity Strobe/Horn, Emergency Aid Devices (Edwards Signaling 6536-G5) .....	267.51		46.33
28 49 17 00-0009	EA	Transformer For High Intensity Strobe/Horns, Emergency Aid Devices (Edwards Signaling 592) .....	131.89		46.33
28 49 17 00-0010	EA	1 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-1N5) .....	219.36		46.33
28 49 17 00-0011	EA	2 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-2N5) .....	250.63		46.33
28 49 17 00-0012	EA	4 Lamp, Dome Station, Emergency Aid Devices (Edwards Signaling 7641-4G5) .....	283.08		46.33
28 49 17 00-0013	EA	2 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-2) .....	387.40		46.33
28 49 17 00-0014	EA	4 Lamp, Dome Station/Buzzer, Emergency Aid Devices (Edwards Signaling 7633-4) .....	432.29		46.33
28 49 17 00-0015		<b>Call Activation Devices, Emergency Aid Devices (Edwards Signaling)</b> (28 49 17 00-0001)			
28 49 17 00-0016	EA	Double Pole Single Throw Switch, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 6537) .....	171.13		46.33
28 49 17 00-0017	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7603E) .....	245.68		46.33
28 49 17 00-0018	EA	Pushbutton Wall Station/Indicator Lamp With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7613E) .....	317.65		46.33
28 49 17 00-0019	EA	3 Maintained Contacts, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7302) .....	329.81		15.44
28 49 17 00-0020	EA	Bedside Wall Station Receptacle, Emergency Aid Devices (Edwards Signaling 7930) .....	252.33		46.33
28 49 17 00-0021	EA	Bedside Wall Station Receptacle With Lamp, Emergency Aid Devices (Edwards Signaling 7930L) .....	295.38		46.33
28 49 17 00-0022	EA	Locking Button, Pull Cord Station With Stainless Steel Face Plate, Emergency Aid Devices (Edwards Signaling 7932L) .....	491.52		46.33
28 49 17 00-0023	EA	Pendant Push Button, Emergency Aid Devices (Edwards Signaling 7620) .....	240.50		46.33
28 49 17 00-0024	EA	Single 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7675) .....	279.52		15.44
28 49 17 00-0025	EA	Double 6' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7676) .....	429.74		15.44
28 49 17 00-0026	EA	Single 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7685) .....	438.98		15.44
28 49 17 00-0027	EA	Double 15' Calling Cord Set For Bedside Wall Station Receptacles, Emergency Aid Devices (Edwards Signaling 7686) .....	576.92		15.44

**END OF SECTION 28**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 31 Earthwork

### 31 05 Common Work Results for Earthwork<sup>(31)</sup>

#### 31 05 16 Aggregates for Earthwork<sup>(31 05)</sup>

See CSI section 01 74 19 00-0034 for for hauling greater than 15 miles.

31 05 16 00-0001	TON Select Granular Fill (203.07M).....	28.69	
	<i>For Up To 14, Add</i>	7.85	
	<i>For &gt;14 To 35, Add</i>	2.87	
	<i>For &gt;80 To 120, Deduct</i>	-2.19	
	<i>For &gt;120 To 175, Deduct</i>	-3.62	
	<i>For &gt;175, Deduct</i>	-5.06	
31 05 16 00-0002	TON Type II Underdrain Filter Stone (605.1001M) .....	37.10	
	<i>For Up To 14, Add</i>	10.38	
	<i>For &gt;14 To 35, Add</i>	3.71	
	<i>For &gt;80 To 120, Deduct</i>	-2.61	
	<i>For &gt;120 To 175, Deduct</i>	-4.47	
	<i>For &gt;175, Deduct</i>	-6.32	
31 05 16 00-0003	TON Fine Stone Fill (620.02M) .....	34.67	
	<i>For Up To 14, Add</i>	9.65	
	<i>For &gt;14 To 35, Add</i>	3.47	
	<i>For &gt;80 To 120, Deduct</i>	-2.49	
	<i>For &gt;120 To 175, Deduct</i>	-4.22	
	<i>For &gt;175, Deduct</i>	-5.96	
31 05 16 00-0004	TON Light Stone Fill (620.03M).....	35.39	
	<i>For Up To 14, Add</i>	9.86	
	<i>For &gt;14 To 35, Add</i>	3.54	
	<i>For &gt;80 To 120, Deduct</i>	-2.52	
	<i>For &gt;120 To 175, Deduct</i>	-4.29	
	<i>For &gt;175, Deduct</i>	-6.06	
31 05 16 00-0005	TON Medium Stone Fill (620.04M).....	42.06	
	<i>For Up To 14, Add</i>	11.86	
	<i>For &gt;14 To 35, Add</i>	4.21	
	<i>For &gt;80 To 120, Deduct</i>	-2.86	
	<i>For &gt;120 To 175, Deduct</i>	-4.96	
	<i>For &gt;175, Deduct</i>	-7.06	
31 05 16 00-0006	TON Heavy Stone Fill (620.05M).....	44.25	
	<i>For Up To 14, Add</i>	12.52	
	<i>For &gt;14 To 35, Add</i>	4.43	
	<i>For &gt;80 To 120, Deduct</i>	-2.97	
	<i>For &gt;120 To 175, Deduct</i>	-5.18	
	<i>For &gt;175, Deduct</i>	-7.39	
31 05 16 00-0007	TON Crushed Stone (Size 1) (703-0201CM) .....	34.33	
	<i>For Up To 14, Add</i>	9.54	
	<i>For &gt;14 To 35, Add</i>	3.43	
	<i>For &gt;80 To 120, Deduct</i>	-2.47	
	<i>For &gt;120 To 175, Deduct</i>	-4.19	
	<i>For &gt;175, Deduct</i>	-5.90	
31 05 16 00-0008	TON Crushed Stone (Size 1A) (703-0201AM) .....	36.26	
	<i>For Up To 14, Add</i>	10.12	
	<i>For &gt;14 To 35, Add</i>	3.63	
	<i>For &gt;80 To 120, Deduct</i>	-2.57	
	<i>For &gt;120 To 175, Deduct</i>	-4.38	
	<i>For &gt;175, Deduct</i>	-6.19	
31 05 16 00-0009	TON Crushed Stone (Size 1ST) (703-0201BM).....	34.07	
	<i>For Up To 14, Add</i>	9.47	
	<i>For &gt;14 To 35, Add</i>	3.41	
	<i>For &gt;80 To 120, Deduct</i>	-2.46	
	<i>For &gt;120 To 175, Deduct</i>	-4.16	
	<i>For &gt;175, Deduct</i>	-5.87	
31 05 16 00-0010	TON Crushed Stone (Size 2) (703-0201DM) .....	33.74	
	<i>For Up To 14, Add</i>	9.37	
	<i>For &gt;14 To 35, Add</i>	3.37	
	<i>For &gt;80 To 120, Deduct</i>	-2.44	
	<i>For &gt;120 To 175, Deduct</i>	-4.13	
	<i>For &gt;175, Deduct</i>	-5.82	
31 05 16 00-0011	TON Crushed Stone (Size 3) (703-0201FM).....	34.16	
	<i>For Up To 14, Add</i>	9.49	
	<i>For &gt;14 To 35, Add</i>	3.42	
	<i>For &gt;80 To 120, Deduct</i>	-2.46	
	<i>For &gt;120 To 175, Deduct</i>	-4.17	
	<i>For &gt;175, Deduct</i>	-5.88	
31 05 16 00-0012	TON Crushed Stone (Size 3A) (703-0201EM) .....	34.16	
	<i>For Up To 14, Add</i>	9.49	
	<i>For &gt;14 To 35, Add</i>	3.42	
	<i>For &gt;80 To 120, Deduct</i>	-2.46	
	<i>For &gt;120 To 175, Deduct</i>	-4.17	
	<i>For &gt;175, Deduct</i>	-5.88	
31 05 16 00-0013	TON Crushed Gravel (Size 1) (703-0202CM).....	38.27	
	<i>For Up To 14, Add</i>	10.73	
	<i>For &gt;14 To 35, Add</i>	3.83	
	<i>For &gt;80 To 120, Deduct</i>	-2.67	
	<i>For &gt;120 To 175, Deduct</i>	-4.58	
	<i>For &gt;175, Deduct</i>	-6.50	
31 05 16 00-0014	TON Crushed Gravel (Size 1A) (703-0202AM).....	36.61	

**31 Earthwork****31 05 Common Work Results for Earthwork****31 05 16 Aggregates for Earthwork**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
	<i>For Up To 14, Add</i>	10.23	
	<i>For &gt;14 To 35, Add</i>	3.66	
	<i>For &gt;80 To 120, Deduct</i>	-2.59	
	<i>For &gt;120 To 175, Deduct</i>	-4.42	
	<i>For &gt;175, Deduct</i>	-6.25	
31 05 16 00-0015	TON Crushed Gravel (Size 1ST) (703-0202BM).....		34.02
	<i>For Up To 14, Add</i>	9.45	
	<i>For &gt;14 To 35, Add</i>	3.40	
	<i>For &gt;80 To 120, Deduct</i>	-2.46	
	<i>For &gt;120 To 175, Deduct</i>	-4.16	
	<i>For &gt;175, Deduct</i>	-5.86	
31 05 16 00-0016	TON Crushed Gravel (Size 2) (703-0202DM).....		34.16
	<i>For Up To 14, Add</i>	9.49	
	<i>For &gt;14 To 35, Add</i>	3.42	
	<i>For &gt;80 To 120, Deduct</i>	-2.46	
	<i>For &gt;120 To 175, Deduct</i>	-4.17	
	<i>For &gt;175, Deduct</i>	-5.88	
31 05 16 00-0017	TON Crushed Gravel (Size 3) (703-0202FM).....		33.74
	<i>For Up To 14, Add</i>	9.37	
	<i>For &gt;14 To 35, Add</i>	3.37	
	<i>For &gt;80 To 120, Deduct</i>	-2.44	
	<i>For &gt;120 To 175, Deduct</i>	-4.13	
	<i>For &gt;175, Deduct</i>	-5.82	
31 05 16 00-0018	TON Crushed Gravel (Size 3A) (703-0202EM).....		35.13
	<i>For Up To 14, Add</i>	9.78	
	<i>For &gt;14 To 35, Add</i>	3.51	
	<i>For &gt;80 To 120, Deduct</i>	-2.51	
	<i>For &gt;120 To 175, Deduct</i>	-4.27	
	<i>For &gt;175, Deduct</i>	-6.02	
31 05 16 00-0019	TON Mortar Sand (703-03M).....		30.42
	<i>For Up To 14, Add</i>	8.37	
	<i>For &gt;14 To 35, Add</i>	3.04	
	<i>For &gt;80 To 120, Deduct</i>	-2.28	
	<i>For &gt;120 To 175, Deduct</i>	-3.80	
	<i>For &gt;175, Deduct</i>	-5.32	
31 05 16 00-0020	TON Concrete Sand (703-07M).....		32.55
	<i>For Up To 14, Add</i>	9.01	
	<i>For &gt;14 To 35, Add</i>	3.26	
	<i>For &gt;80 To 120, Deduct</i>	-2.38	
	<i>For &gt;120 To 175, Deduct</i>	-4.01	
	<i>For &gt;175, Deduct</i>	-5.64	
31 05 16 00-0021	TON Crushed Run (Size 25MM) (A1M).....		32.05
	<i>For Up To 14, Add</i>	8.86	
	<i>For &gt;14 To 35, Add</i>	3.21	
	<i>For &gt;80 To 120, Deduct</i>	-2.36	
	<i>For &gt;120 To 175, Deduct</i>	-3.96	
	<i>For &gt;175, Deduct</i>	-5.56	
31 05 16 00-0022	TON Crushed Run (Size #1) (A2M).....		33.09
	<i>For Up To 14, Add</i>	9.17	
	<i>For &gt;14 To 35, Add</i>	3.31	
	<i>For &gt;80 To 120, Deduct</i>	-2.41	
	<i>For &gt;120 To 175, Deduct</i>	-4.06	
	<i>For &gt;175, Deduct</i>	-5.72	
31 05 16 00-0023	TON Crushed Run (Size 25MM) (A3M).....		31.39
	<i>For Up To 14, Add</i>	8.66	
	<i>For &gt;14 To 35, Add</i>	3.14	
	<i>For &gt;80 To 120, Deduct</i>	-2.32	
	<i>For &gt;120 To 175, Deduct</i>	-3.89	
	<i>For &gt;175, Deduct</i>	-5.46	
31 05 16 00-0024	TON Crushed Run (Size 40MM) (A4M).....		30.69
	<i>For Up To 14, Add</i>	8.45	
	<i>For &gt;14 To 35, Add</i>	3.07	
	<i>For &gt;80 To 120, Deduct</i>	-2.29	
	<i>For &gt;120 To 175, Deduct</i>	-3.82	
	<i>For &gt;175, Deduct</i>	-5.36	
31 05 16 00-0025	TON Crushed Run (Size 50MM) (A5M).....		30.40
	<i>For Up To 14, Add</i>	8.37	
	<i>For &gt;14 To 35, Add</i>	3.04	
	<i>For &gt;80 To 120, Deduct</i>	-2.28	
	<i>For &gt;120 To 175, Deduct</i>	-3.80	
	<i>For &gt;175, Deduct</i>	-5.32	
31 05 16 00-0026	TON Embankment (Bank Run Gravel).....		27.61
	<i>For Up To 14, Add</i>	7.53	
	<i>For &gt;14 To 35, Add</i>	2.76	
	<i>For &gt;80 To 120, Deduct</i>	-2.14	
	<i>For &gt;120 To 175, Deduct</i>	-3.52	
	<i>For &gt;175, Deduct</i>	-4.90	
31 05 16 00-0027	TON Select Granular Subbase (203.20M).....		27.99
	<i>For Up To 14, Add</i>	7.64	
	<i>For &gt;14 To 35, Add</i>	2.80	
	<i>For &gt;80 To 120, Deduct</i>	-2.15	
	<i>For &gt;120 To 175, Deduct</i>	-3.55	
	<i>For &gt;175, Deduct</i>	-4.95	
31 05 16 00-0028	TON Type 1 Subbase Course (304.11M).....		29.06
	<i>For Up To 14, Add</i>	7.96	
	<i>For &gt;14 To 35, Add</i>	2.91	
	<i>For &gt;80 To 120, Deduct</i>	-2.21	
	<i>For &gt;120 To 175, Deduct</i>	-3.66	
	<i>For &gt;175, Deduct</i>	-5.11	
31 05 16 00-0029	TON Type 2 Subbase Course (304.12M).....		29.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
			<i>For Up To 14, Add</i>	8.13	
			<i>For &gt;14 To 35, Add</i>	2.96	
			<i>For &gt;80 To 120, Deduct</i>	-2.24	
			<i>For &gt;120 To 175, Deduct</i>	-3.72	
			<i>For &gt;175, Deduct</i>	-5.20	
31 05 16 00-0030	TON		Type 3 Subbase Course (304.13M).....	28.93	
			<i>For Up To 14, Add</i>	7.92	
			<i>For &gt;14 To 35, Add</i>	2.89	
			<i>For &gt;80 To 120, Deduct</i>	-2.20	
			<i>For &gt;120 To 175, Deduct</i>	-3.65	
			<i>For &gt;175, Deduct</i>	-5.09	
31 05 16 00-0031	TON		Type 4 Subbase Course (304.14M).....	29.73	
			<i>For Up To 14, Add</i>	8.16	
			<i>For &gt;14 To 35, Add</i>	2.97	
			<i>For &gt;80 To 120, Deduct</i>	-2.24	
			<i>For &gt;120 To 175, Deduct</i>	-3.73	
			<i>For &gt;175, Deduct</i>	-5.21	
31 05 16 00-0032	TON		Type 4A Subbase Course (304.14AM).....	30.58	
			<i>For Up To 14, Add</i>	8.42	
			<i>For &gt;14 To 35, Add</i>	3.06	
			<i>For &gt;80 To 120, Deduct</i>	-2.28	
			<i>For &gt;120 To 175, Deduct</i>	-3.81	
			<i>For &gt;175, Deduct</i>	-5.34	
31 05 16 00-0033	TON		Type 1011 Subbase Course (Recycled Crushed Concrete) (17304.1011M).....	33.17	
			<i>For Up To 14, Add</i>	9.20	
			<i>For &gt;14 To 35, Add</i>	3.32	

**31 05 36 Equipment Delivery, Pickup, Mobilization and Demobilization**<sup>(31)</sup>

<sup>(05)</sup> See CSI section 01 71 13 00-0001 for equipment delivery, pickup, mobilization and demobilization.

**31 10 Site Clearing**<sup>(31)</sup>

**31 11 Clearing and Grubbing**<sup>(31 10)</sup>

**31 11 00 00-0001 Clear And Grub Roots And Stumps**<sup>(31 11)</sup>

Note: Tree diameter (diameter at breast height) is the diameter of the tree trunk measured at 4.5' above ground level. Based on tree density (light, medium or heavy) to be removed. Excludes loading. See CSI section 31 13 13 00-0001 for small areas or individual trees removal.

31 11 00 00-0002	ACR		Clear And Grub Light Trees Up To 6" Diameter, Cut And Chip.....	9,552.45	
			Note: Includes grub and removal of stump		
31 11 00 00-0003	ACR		Clear And Grub Light Stumps Only Up To 6" Diameter.....	2,631.69	
31 11 00 00-0004	ACR		Clear And Grub Medium Trees Up To 10" Diameter, Cut And Chip.....	12,736.59	
			Note: Includes grub and removal of stump		
31 11 00 00-0005	ACR		Clear And Grub Medium Stumps Only Up To 10" Diameter.....	4,386.16	
31 11 00 00-0006	ACR		Clear And Grub Heavy Trees Up To 16" Diameter, Cut And Chip.....	17,512.81	
			Note: Includes grub and removal of stump		
31 11 00 00-0007	ACR		Clear And Grub Heavy Stumps Only Up To 16" Diameter.....	6,579.24	
31 11 00 00-0008	ACR		Clear And Grub Heavy Trees Up To 24" Diameter, Cut And Chip.....	25,473.19	
			Note: Includes grub and removal of stump		
31 11 00 00-0009	ACR		Clear And Grub Heavy Stumps Only Up To 24" Diameter.....	9,210.93	
31 11 00 00-0010	ACR		Clearing By Machine - Light Brush Without Grub.....	430.70	
31 11 00 00-0011	ACR		Clearing By Machine - Medium Brush Without Grub.....	867.33	
31 11 00 00-0012	ACR		Clearing By Machine - Heavy Brush Without Grub.....	1,229.08	
31 11 00 00-0013	ACR		Chipping - Light Brush.....	3,397.02	
31 11 00 00-0014	ACR		Chipping - Medium Brush.....	4,367.83	
31 11 00 00-0015	ACR		Chipping - Heavy Brush.....	6,115.52	

**31 11 00 00-0016 Loading Of Cleared And Grubbed Material**<sup>(31 11)</sup>

See CSI section 01 74 19 00-0034 for hauling.

31 11 00 00-0017	CY		Machine Loading Of Cleared And Grubbed Material.....	14.64	
31 11 00 00-0018	CY		Chute Loading Of Cleared And Grubbed Material.....	17.56	
31 11 00 00-0019	CY		Hand Loading Of Cleared And Grubbed Material.....	56.03	
31 11 00 00-0020	CY		Wheel And Ramp Loading Of Cleared And Grubbed Material.....	44.02	

**31 13 Selective Tree and Shrub Removal and Trimming**<sup>(31 10)</sup>

**31 13 13 Selective Tree and Shrub Removal**<sup>(31 13)</sup>

**31 13 13 00-0001 Individual Tree Removal**<sup>(31 13 13)</sup>

Note: Includes sawing and chipping branches. Tree diameter, D.B.H. (Diameter At Breast Height) is the diameter of the tree trunk measured at 4.5' above ground elevation. Excludes stump removal or grinding.

31 13 13 00-0002	EA		Up To 6" D.B.H. (Diameter At Breast Height) Tree Removal.....	796.04	
			Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0003	EA		>6" To 12" D.B.H. (Diameter At Breast Height) Tree Removal.....	1,194.05	
			Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0004	EA		>12" To 24" D.B.H. (Diameter At Breast Height) Tree Removal.....	1,592.07	
			Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0005	EA		>24" To 36" D.B.H. (Diameter At Breast Height) Tree Removal.....	2,388.11	
			Note: Includes cutting up tree, chipping and loading.		
31 13 13 00-0006	EA		>36" To 48" D.B.H. (Diameter At Breast Height) Tree Removal.....	3,184.15	
			Note: Includes cutting up tree, chipping and loading.		

**31 13 13 00-0007 Stump Removal**<sup>(31 13 13)</sup>

Note: Measured by diameter of stump.



**31 Earthwork****31 10 Site Clearing****31 13 Selective Tree and Shrub Removal and Trimming**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

<b>31 13 13 00-0008</b>	<b>Stump Removal By Machine</b> <small>(31 13 13 00-0007)</small>		
31 13 13 00-0009	EA Up To 6" Diameter Stump Removal.....	131.59	
	Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0010	EA >6" To 12" Diameter Stump Removal.....	252.20	
	Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0011	EA >12" To 24" Diameter Stump Removal.....	328.96	
	Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0012	EA >24" To 36" Diameter Stump Removal.....	493.46	
	Note: Includes excavation necessary to remove stump and loading.		
31 13 13 00-0013	EA >36" To 48" Diameter Stump Removal.....	581.21	
	Note: Includes excavation necessary to remove stump and loading.		
<b>31 13 13 00-0014</b>	<b>Stump Removal By Hand</b> <small>(31 13 13 00-0007)</small>		
31 13 13 00-0015	EA Up To 6" Diameter Stump Removal By Hand.....	859.53	
	Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0016	EA >6" To 12" Diameter Stump Removal By Hand.....	1,074.42	
	Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0017	EA >12" To 24" Diameter Stump Removal By Hand.....	1,575.81	
	Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0018	EA >24" To 36" Diameter Stump Removal By Hand.....	2,148.83	
	Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
31 13 13 00-0019	EA >36" To 48" Diameter Stump Removal By Hand.....	2,865.10	
	Note: Where stump removal is inaccessible by machine. Includes excavation necessary to remove stump and loading.		
<b>31 13 13 00-0020</b>	<b>Stump Grinding</b> <small>(31 13 13)</small>		
	Note: Measured by diameter of stump.		
<b>31 13 13 00-0021</b>	<b>Stump Grinding, 18" Deep Below Surface Of Soil</b> <small>(31 13 13 00-0020)</small>		
	Note: Level soil to match existing surface area.		
31 13 13 00-0022	EA Stump Grinding >42" To 48" Tree.....	544.70	
	For 24" Depth, Add	108.94	
31 13 13 00-0023	EA Stump Grinding Up To 6" Tree.....	162.14	
	For 24" Depth, Add	32.43	
31 13 13 00-0024	EA Stump Grinding >6" To 12" Tree.....	202.67	
	For 24" Depth, Add	40.53	
31 13 13 00-0025	EA Stump Grinding >12" To 15" Tree.....	243.20	
	For 24" Depth, Add	48.64	
31 13 13 00-0026	EA Stump Grinding >15" To 18" Tree.....	270.23	
	For 24" Depth, Add	54.05	
31 13 13 00-0027	EA Stump Grinding >18" To 21" Tree.....	290.49	
	For 24" Depth, Add	58.10	
31 13 13 00-0028	EA Stump Grinding >21" To 24" Tree.....	310.76	
	For 24" Depth, Add	62.15	
31 13 13 00-0029	EA Stump Grinding >24" To 27" Tree.....	337.78	
	For 24" Depth, Add	67.56	
31 13 13 00-0030	EA Stump Grinding >27" To 30" Tree.....	367.67	
	For 24" Depth, Add	73.53	
31 13 13 00-0031	EA Stump Grinding >30" To 33" Tree.....	408.53	
	For 24" Depth, Add	81.71	
31 13 13 00-0032	EA Stump Grinding >33" To 36" Tree.....	449.37	
	For 24" Depth, Add	89.87	
31 13 13 00-0033	EA Stump Grinding >36" To 42" Tree.....	490.23	
	For 24" Depth, Add	98.05	
<b>31 13 13 00-0034</b>	<b>Shrub Removal</b> <small>(31 13 13)</small>		
31 13 13 00-0035	EA Removal Of 18" To 24" Shrub, Broadleaf Evergreen.....	62.78	
31 13 13 00-0036	EA Removal Of 2' To 3' Shrub, Broadleaf Evergreen.....	98.45	
31 13 13 00-0037	EA Removal Of 3' To 4' Shrub, Broadleaf Evergreen.....	114.15	
31 13 13 00-0038	EA Removal Of 4' To 5' Shrub, Broadleaf Evergreen.....	171.22	
31 13 13 00-0039	EA Removal Of 12" To 15" Shrub, Deciduous.....	31.39	
31 13 13 00-0040	EA Removal Of 18" To 24" Shrub, Deciduous.....	48.52	
31 13 13 00-0041	EA Removal Of 2' To 3' Shrub, Deciduous.....	62.79	
31 13 13 00-0042	EA Removal Of 3' To 4' Shrub, Deciduous.....	68.49	
31 13 13 00-0043	EA Removal Of 18" To 24" Shrub, Evergreen.....	62.78	
31 13 13 00-0044	EA Removal Of 24" To 30" Shrub, Evergreen.....	68.49	
31 13 13 00-0045	EA Removal Of 30" To 36" Shrub, Evergreen.....	98.45	
31 13 13 00-0046	EA Removal Of 36" To 42" Shrub, Evergreen.....	171.22	

**31 13 16 Selective Tree and Shrub Trimming** (31 13)

See CSI section 32 01 90 23-0000 for tree pruning.

<b>31 13 16 00-0001</b>	<b>Tree Trimming For Pole Line Construction And Maintenance</b> <small>(31 13 16)</small>		
	Note: Area to be vertical cleared (including overhanging limbs) is minimum 20' wide (10' each side of structure) and 16' above ground. All materials to 6" D.B.H. (Diameter At Breast Height) to be chipped in place. Larger material may be chipped or disposed. Trees greater than 18" diameter use individual tree removal tasks. Quantity based on running foot of power line to be cleared.		
31 13 16 00-0002	LF Tree Trimming, Light Cutting To 6" Diameter For Pole Line Construction.....	2.64	
31 13 16 00-0003	LF Tree Trimming, Medium Cutting >6" To 12" Diameter For Pole Line Construction.....	3.95	
31 13 16 00-0004	LF Tree Trimming, Heavy Cutting >12" To 18" Diameter For Pole Line Construction.....	4.65	

<b>Earthwork</b>	<b>31</b>
<b>Site Clearing</b>	<b>31 10</b>
<b>Selective Tree and Shrub Removal and Trimming</b>	<b>31 13</b>

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 20 Earth Moving** <sup>(31)</sup>

**31 22 Grading** <sup>(31 20)</sup>

<b>31 22 13</b>	<b>Rough Grading</b> <sup>(31 22)</sup>	
	See CSI section 31 23 16 00-0000 for rough grading.	
<b>31 22 16</b>	<b>Fine Grading</b> <sup>(31 22)</sup>	
<b>31 22 16 13</b>	<b>Roadway Subgrade Reshaping</b> <sup>(31 22 16)</sup>	
	See CSI section 31 23 16 00-0000 for bulk shaping and grading, 31 24 13 00-0000 for roadway shaping and grading.	
<b>31 22 19</b>	<b>Finish Grading</b> <sup>(31 22)</sup>	
<b>31 22 19 13</b>	<b>Spreading and Grading Topsoil</b> <sup>(31 22 19)</sup>	
<b>31 22 19 13-0001</b>	<b>Site Grading For Areas Outside Of Structures And Slabs</b> <sup>(31 22 19 13)</sup>	
	Note: Use of bobcat type equipment or hand for finish grading for positive drainage.	
<b>31 22 19 13-0002</b>	<b>Hand Digging And Grading</b> <sup>(31 22 19 13-0001)</sup>	
31 22 19 13-0003	SF Trim And Shape Machine Excavated Area By Hand Finish Grade .....	1.55
31 22 19 13-0004	SF Trim And Shape Area On Grade By Hand, Finish Grade .....	1.41
31 22 19 13-0005	SF Fine Grade Gravel Bedding By Hand Finish Grade .....	1.47
31 22 19 13-0006	SF Fine Grade Gravel By Hand Finish Grade .....	1.22
<b>31 22 19 13-0007</b>	<b>Machine Operations</b> <sup>(31 22 19 13-0001)</sup>	
<b>31 22 19 13-0008</b>	<b>Machine Operations With Grader</b> <sup>(31 22 19 13-0007)</sup>	
31 22 19 13-0009	CSY Semi Grade, 2 Passes With Grader.....	539.43
31 22 19 13-0010	CSY Fine Grade, 3 Passes With Grader.....	749.21

**31 23 Excavation and Fill** <sup>(31 20)</sup>

**31 23 16 Excavation** <sup>(31 23)</sup>

**31 23 16 13 Trenching** <sup>(31 23 16)</sup>

Note: Use this section for trenching operations even if the total project volume exceeds 500 CY. Use tasks for work by hand only for areas not accessible by machine.

<b>31 23 16 13-0001</b>	<b>Excavation For Trenching By Machine</b> <sup>(31 23 16 13)</sup>	
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0002	CY 12" Wide or Less, Excavation for Trenching by Machine in Soil .....	14.22
	For Up To 20, Add	14.22
	For >20 To 50, Add	10.67
	For >50 To 250, Add	5.69
	For >250 To 500, Add	2.13
	For >1,000, Deduct	-2.13
31 23 16 13-0003	CY Over 12" Wide, Excavation for Trenching by Machine in Soil .....	8.84
	For Up To 20, Add	8.84
	For >20 To 50, Add	6.63
	For >50 To 250, Add	3.54
	For >250 To 500, Add	1.33
	For >1,000, Deduct	-1.33
31 23 16 13-0004	CY 12" Wide or Less, Excavation for Trenching by Machine in Loose Rock .....	23.53
	Note: Includes compacted aggregate	
	For Up To 20, Add	23.53
	For >20 To 50, Add	17.65
	For >50 To 250, Add	9.41
	For >250 To 500, Add	3.53
	For >1,000, Deduct	-3.53
31 23 16 13-0005	CY Over 12" Wide, Excavation for Trenching by Machine in Loose Rock .....	15.69
	Note: Includes compacted aggregate	
	For Up To 20, Add	15.69
	For >20 To 50, Add	11.77
	For >50 To 250, Add	6.28
	For >250 To 500, Add	2.35
	For >1,000, Deduct	-2.35
<b>31 23 16 13-0006</b>	<b>Excavation For Trenching By Hand</b> <sup>(31 23 16 13)</sup>	
31 23 16 13-0007	CY Excavation For Trenching By Hand In Soil .....	184.91
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
31 23 16 13-0008	CY Excavation For Trenching By Hand In Loose Rock Or Compacted Aggregate.....	317.18
	Note: Includes stockpiling excess materials and trimming sides and bottom of trench.	
<b>31 23 16 13-0009</b>	<b>Backfilling Or Placing Subbase For Trenches</b> <sup>(31 23 16 13)</sup>	
	Note: With imported or stockpiled materials.	
31 23 16 13-0010	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Machine.....	5.20
	For Up To 20, Add	5.20
	For >20 To 50, Add	3.90
	For >50 To 250, Add	2.08
	For >250 To 500, Add	0.78
	For >1,000, Deduct	-0.78
31 23 16 13-0011	CY Backfilling or Placing Subbase for Trenches with Imported or Stockpiled Materials by Hand.....	51.36

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 23 16 13-0012	<b>Compaction Of Fill Or Subbase For Trenches</b> (31 23 16 13) Note: Includes restoration of final grade.		
31 23 16 13-0013	CY Compaction of Fill or Subbase for Trenches by Vibratory Plate, Air Tamper, Etcetera.....	10.64	
	For Up To 20, Add	10.64	
	For >20 To 50, Add	7.98	
	For >50 To 250, Add	4.26	
	For >250 To 500, Add	1.60	
	For >1,000, Deduct	-1.60	
31 23 16 13-0014	CY Compaction of Fill or Subbase for Trenches by Hand .....	57.94	
31 23 16 13-0015	<b>Loading Excess Material For Removal From Excavation For Trenches</b> (31 23 16 13) Note: Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.		
31 23 16 13-0016	CY Load Excess Material by Machine for Removal from Excavation for Trenching .....	9.03	
	For Up To 20, Add	9.03	
	For >20 To 50, Add	6.77	
	For >50 To 250, Add	3.61	
	For >250 To 500, Add	1.35	
	For >1,000, Deduct	-1.35	
31 23 16 13-0017	CY Load Excess Material by Hand for Removal from Excavation for Trenching .....	135.59	
31 23 16 13-0018	<b>Spread Excess Or Imported Material For Trenches</b> (31 23 16 13) Note: Includes hand work by laborer for clean-up.		
31 23 16 13-0019	CY Spread Excess Or Imported Material On Site With Machine .....	4.23	
	For Up To 20, Add	4.23	
	For >20 To 50, Add	3.17	
	For >50 To 250, Add	1.69	
	For >250 To 500, Add	0.63	
	For >1,000, Deduct	-0.63	
31 23 16 13-0020	<b>Direct Burial (Plowed-in) Cable Or Piping By Machine</b> (31 23 16 13) Note: Includes trench, backfill, compaction and restoration of final grade.		
31 23 16 13-0021	LF Direct Burial of Cable or Piping up to 12" Deep .....	3.03	
31 23 16 13-0022	LF Direct Burial of Cable or Piping >12" to 24" Deep.....	3.33	
31 23 16 13-0023	LF Direct Burial of Cable or Piping >24" to 36" Deep.....	4.75	
31 23 16 13-0024	LF Direct Burial of Cable or Piping >36" to 48" Deep.....	5.36	
<b>31 23 16 16</b>	<b>Structural Excavation for Minor Structures</b> (31 23 16)		
31 23 16 16-0001	<b>Post Holes</b> (31 23 16 16) Note: Excludes spreading of excess material on site or loading and removal of excavated material from site.		
31 23 16 16-0002	<b>Drilling Post Hole In Soil</b> (31 23 16 16-0001) Note: Auger by machine unless otherwise notified by owner.		
31 23 16 16-0003	VLF Up To 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil .....	12.61	
31 23 16 16-0004	VLF 2-1/2" Diameter Hole, Auger By Machine Post Hole In Soil.....	14.19	
31 23 16 16-0005	VLF 3" Diameter Hole, Auger By Machine Post Hole In Soil .....	16.82	
31 23 16 16-0006	VLF 4" Diameter Hole, Auger By Machine Post Hole In Soil .....	18.92	
31 23 16 16-0007	VLF 6" Diameter Hole, Auger By Machine Post Hole In Soil .....	20.64	
31 23 16 16-0008	VLF 8" Diameter Hole, Auger By Machine Post Hole In Soil .....	22.70	
31 23 16 16-0009	VLF 10" Diameter Hole, Auger By Machine Post Hole In Soil .....	25.22	
31 23 16 16-0010	VLF 12" Diameter Hole, Auger By Machine Post Hole In Soil .....	28.38	
31 23 16 16-0011	VLF 18" Diameter Hole, Auger By Machine Post Hole In Soil .....	32.44	
31 23 16 16-0012	VLF 24" Diameter Hole, Auger By Machine Post Hole In Soil .....	37.85	
31 23 16 16-0013	VLF 30" Diameter Hole, Auger By Machine Post Hole In Soil .....	45.41	
31 23 16 16-0014	VLF 36" Diameter Hole, Auger By Machine Post Hole In Soil .....	56.76	
31 23 16 16-0015	<b>Drilling Post Hole In Rock</b> (31 23 16 16-0001)		
31 23 16 16-0016	CF Jackhammer Post Hole, Rock.....	99.58	
31 23 16 16-0017	CF Rock Drill Post Hole, Rock.....	24.57	
31 23 16 16-0018	<b>Post Hole Fill</b> (31 23 16 16-0001)		
31 23 16 16-0019	<b>Concrete Fill</b> (31 23 16 16-0018)		
31 23 16 16-0020	VLF Concrete Fill, Up To 2-1/2" Diameter Hole.....	7.13	
31 23 16 16-0021	VLF Concrete Fill, 2-1/2" Diameter Hole .....	9.18	
31 23 16 16-0022	VLF Concrete Fill, 3" Diameter Hole.....	10.00	
31 23 16 16-0023	VLF Concrete Fill, 4" Diameter Hole.....	11.20	
31 23 16 16-0024	VLF Concrete Fill, 6" Diameter Hole.....	15.61	
31 23 16 16-0025	VLF Concrete Fill, 8" Diameter Hole.....	20.83	
31 23 16 16-0026	VLF Concrete Fill, 10" Diameter Hole.....	25.38	
31 23 16 16-0027	VLF Concrete Fill, 12" Diameter Hole.....	29.42	
31 23 16 16-0028	VLF Concrete Fill, 18" Diameter Hole.....	39.23	
31 23 16 16-0029	VLF Concrete Fill, 24" Diameter Hole.....	47.81	
31 23 16 16-0030	VLF Concrete Fill, 30" Diameter Hole.....	56.10	
31 23 16 16-0031	VLF Concrete Fill, 36" Diameter Hole.....	64.58	
31 23 16 16-0032	<b>Grout Fill</b> (31 23 16 16-0018)		
31 23 16 16-0033	VLF Grout Fill, Up To 2-1/2" Diameter Hole .....	8.71	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

31 23 16 16-0034	VLF	Grout Fill, 2-1/2" Diameter Hole.....	11.25
31 23 16 16-0035	VLF	Grout Fill, 3" Diameter Hole.....	12.12
31 23 16 16-0036	VLF	Grout Fill, 4" Diameter Hole.....	13.34
31 23 16 16-0037	VLF	Grout Fill, 6" Diameter Hole.....	18.41
31 23 16 16-0038	VLF	Grout Fill, 8" Diameter Hole.....	24.57
31 23 16 16-0039	VLF	Grout Fill, 10" Diameter Hole.....	29.84
31 23 16 16-0040	VLF	Grout Fill, 12" Diameter Hole.....	34.44
31 23 16 16-0041	VLF	Grout Fill, 18" Diameter Hole.....	45.10
31 23 16 16-0042	VLF	Grout Fill, 24" Diameter Hole.....	54.14
31 23 16 16-0043	VLF	Grout Fill, 30" Diameter Hole.....	62.80
31 23 16 16-0044	VLF	Grout Fill, 36" Diameter Hole.....	71.53

**31 23 16 16-0045 Earth Fill, Compacted** (31 23 16 16-0018)

31 23 16 16-0046	VLF	Earth Fill, Up To 2-1/2" Diameter Hole.....	6.86
31 23 16 16-0047	VLF	Earth Fill, 2-1/2" Diameter Hole.....	8.93
31 23 16 16-0048	VLF	Earth Fill, 3" Diameter Hole.....	9.33
31 23 16 16-0049	VLF	Earth Fill, 4" Diameter Hole.....	9.62
31 23 16 16-0050	VLF	Earth Fill, 6" Diameter Hole.....	12.84
31 23 16 16-0051	VLF	Earth Fill, 8" Diameter Hole.....	17.12
31 23 16 16-0052	VLF	Earth Fill, 10" Diameter Hole.....	20.55
31 23 16 16-0053	VLF	Earth Fill, 12" Diameter Hole.....	23.29
31 23 16 16-0054	VLF	Earth Fill, 18" Diameter Hole.....	28.38
31 23 16 16-0055	VLF	Earth Fill, 24" Diameter Hole.....	31.85
31 23 16 16-0056	VLF	Earth Fill, 30" Diameter Hole.....	34.93
31 23 16 16-0057	VLF	Earth Fill, 36" Diameter Hole.....	37.67

**31 23 16 26 Rock Removal** (31 23 16)

**31 23 16 26-0001 Rock Breaking By Blasting** (31 23 16 26)

Note: Includes drilling into rock, charge, blast mats, safety personnel, safety signs, etc. Add for loading and hauling.

31 23 16 26-0002	BCY	Break Rock By Blasting.....	108.35
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**31 23 16 26-0003 Rock Breaking By Jack Hammer** (31 23 16 26)

Note: Excludes excavation of broken-up rock.

31 23 16 26-0004	CY	Break Rock With Jack Hammer, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	78.20
31 23 16 26-0005	CY	Break Rock With Jack Hammer, Medium Metamorphic Rock (Slate).....	97.75
31 23 16 26-0006	CY	Break Rock With Jack Hammer, Hard Igneous Rock (Granite, Basalt).....	122.19

**31 23 16 26-0007 Rock Breaking By Machine** (31 23 16 26)

Note: Excludes excavation of broken-up rock.

31 23 16 26-0008	CY	Rock Breaking By Machine, Soft Sedimentary Rocks (Shale, Sandstone, Limestone).....	30.81
31 23 16 26-0009	CY	Rock Breaking By Machine, Medium Metamorphic Rock (Slate).....	32.86
31 23 16 26-0010	CY	Rock Breaking By Machine, Hard Igneous Rock (Granite, Basalt).....	39.03

**31 23 16 33 Bulk Excavation** (31 23 16)

Note: For excavations where the total quantity for a project is greater than 500 cubic yards. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 36-0000 for For less than 500 CY excavation.

**31 23 16 33-0001 Excavation** (31 23 16 33)

Note: For bulk excavation. Includes stockpiling excavated materials within 100' of point of excavation.

31 23 16 33-0002	CY	Bulk Excavation by Dozer in Soil.....	13.24
		<i>For &gt;1,000, Deduct</i>	-1.99
31 23 16 33-0003	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Soil.....	7.13
		<i>For &gt;1,000, Deduct</i>	-1.07
31 23 16 33-0004	CY	Bulk Excavation by Dozer in Loose Rock.....	16.30
		Note: Includes compacted aggregate	
		<i>For &gt;1,000, Deduct</i>	-2.45
31 23 16 33-0005	CY	Bulk Excavation by Hydraulic Excavator, Front End Loader, Backhoe in Loose Rock.....	8.78
		Note: Includes compacted aggregate	
		<i>For &gt;1,000, Deduct</i>	-1.32

**31 23 16 33-0006 Spreading, Shaping And Rough Grading** (31 23 16 33)

Note: Imported or stockpiled material for bulk excavation.

31 23 16 33-0007	CY	Spreading, Shaping, and Rough Grading Imported or Stockpiled Material for Bulk Excavation by Machine.....	8.17
		<i>For &gt;1,000, Deduct</i>	-1.23

**31 23 16 33-0008 Cutting, Shaping and Rough Grading Of Existing Elevations** (31 23 16 33)

31 23 16 33-0009	CY	Cutting, Shaping and Rough Grading Existing Elevations For Bulk for Bulk Excavation by Machine.....	9.09
		<i>For &gt;1,000, Deduct</i>	-1.36

**31 23 16 33-0010 Relocating On Site Excavated Material From Excavation** (31 23 16 33)

Note: For bulk excavation.

31 23 16 33-0011	CY	Relocating On Site Excavated Material From Bulk Excavation >100' to 300'.....	7.27
		<i>For &gt;1,000, Deduct</i>	-1.09
31 23 16 33-0012	CY	Relocating On Site Excavated Material From Bulk Excavation >300' to 500'.....	10.90
		<i>For &gt;1,000, Deduct</i>	-1.64
31 23 16 33-0013	CY	Relocating On Site Excavated Material From Bulk Excavation >500' To 1,000'.....	16.36
		<i>For &gt;1,000, Deduct</i>	-2.45

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 23 16 33-0014	CY	Relocating On Site Excavated Material From Bulk Excavation >1,000' ..... <i>For &gt;1,000, Deduct</i>	21.80 -3.27
<b>31 23 16 33-0015</b>		<b>Finish Grading For Bulk Excavation</b> <small>(31 23 16 33)</small>	
31 23 16 33-0016	SY	Finish Grading for Bulk Excavation by Machine.....	0.91
<b>31 23 16 33-0017</b>		<b>Compaction Of Fill Or Subbase, Per Lift</b> <small>(31 23 16 33)</small>	
		Note: For bulk excavation.	
31 23 16 33-0018	SY	Compaction of Fill or Subbase for Bulk Excavation by Machine..... Note: Per Lift	0.94
<b>31 23 16 33-0019</b>		<b>Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 33)</small>	
		Note: For bulk excavation. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.	
31 23 16 33-0020	CY	Loading Excess Material For Removal From Bulk Excavation..... <i>For &gt;1,000, Deduct</i>	6.99 -1.05
<b>31 23 16 36</b>		<b>Excavation for Building Foundations and Other Structures</b> <small>(31 23 16)</small>	
		Note: Use of a Bobcat is limited to access restricted areas and by owner's approval. See CSI section 31 05 16 00-0000 for imported material, 31 23 16 33-0000 for bulk excavation operations over 500 CY.	
<b>31 23 16 36-0001</b>		<b>Excavation</b> <small>(31 23 16 36)</small>	
		Note: For building foundations and other structures by machine. Includes stockpiling of excess materials on ground in reach of excavated area.	
<b>31 23 16 36-0002</b>		<b>Excavation For Building Foundations And Other Structures By Skid-Steer Loader</b> <small>(31 23 16 36-0001)</small>	
31 23 16 36-0003	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Soil ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	12.18 12.18 9.14 4.87 1.83
31 23 16 36-0004	CY	Excavation For Building Foundations And Other Structures By Skid-Steer Loader In Loose Rock ..... Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	15.15 15.15 11.36 6.06 2.27
<b>31 23 16 36-0005</b>		<b>Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader</b> <small>(31 23 16 36-0001)</small>	
31 23 16 36-0006	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Soil ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	8.56 8.56 6.42 3.42 1.28
31 23 16 36-0007	CY	Excavation For Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader in Loose Rock ..... Note: Includes compacted aggregate <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	10.19 10.19 7.64 4.08 1.53
<b>31 23 16 36-0008</b>		<b>Excavation For Building Foundations And Other Structures By Hand</b> <small>(31 23 16 36-0001)</small>	
		Note: For areas not accessible by machine and only with owner's approval.	
31 23 16 36-0009	CY	Excavation For Building Foundations And Other Structures By Hand in Soil.....	184.91
31 23 16 36-0010	CY	Excavation For Building Foundations And Other Structures By Hand in Loose Rock..... Note: Includes compacted aggregate	317.18
<b>31 23 16 36-0011</b>		<b>Relocating On Site Excavated Stockpiled Material From Excavation</b> <small>(31 23 16 36)</small>	
		Note: For building foundations and other structures.	
31 23 16 36-0012	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >100' to 300' ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	7.27 7.27 5.45 2.91 1.09
31 23 16 36-0013	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >300' to 500' ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	10.90 10.90 8.18 4.36 1.64
31 23 16 36-0014	CY	Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >500' to 1,000' ..... <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 250, Add</i> <i>For &gt;250 To 500, Add</i>	16.36 16.36 12.27 6.54 2.45



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 16 36-0015	CY		Relocating On Site Excavated Stockpiled Material With Dozer From Excavation For Building Foundations and Other Structures >1,000'	21.80	
			<i>For Up To 20, Add</i>	21.80	
			<i>For &gt;20 To 50, Add</i>	16.35	
			<i>For &gt;50 To 250, Add</i>	8.72	
			<i>For &gt;250 To 500, Add</i>	3.27	
<b>31 23 16 36-0016</b>			<b>Backfilling</b> <small>(31 23 16 36)</small>		
			Note: For building foundations and other structures with imported or stockpiled materials. Includes rough grading each backfill lift.		
31 23 16 36-0017	CY		Backfilling Around Building Foundations And Other Structures By Skid-Steer Loader	6.01	
			<i>For Up To 20, Add</i>	6.01	
			<i>For &gt;20 To 50, Add</i>	4.51	
			<i>For &gt;50 To 250, Add</i>	2.40	
			<i>For &gt;250 To 500, Add</i>	0.90	
31 23 16 36-0018	CY		Backfilling Around Building Foundations And Other Structures By Hydraulic Excavator, Backhoe, Loader	6.62	
			<i>For Up To 20, Add</i>	6.62	
			<i>For &gt;20 To 50, Add</i>	4.97	
			<i>For &gt;50 To 250, Add</i>	2.65	
			<i>For &gt;250 To 500, Add</i>	0.99	
31 23 16 36-0019	CY		Backfilling Around Building Foundations And Other Structures By Hand	88.04	
<b>31 23 16 36-0020</b>			<b>Compaction Of Fill Or Subbase</b> <small>(31 23 16 36)</small>		
			Note: For building foundations and other structures.		
31 23 16 36-0021	CY		Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Vibratory Plate, Air Tamper, Etcetera	16.89	
			<i>For Up To 20, Add</i>	16.89	
			<i>For &gt;20 To 50, Add</i>	12.67	
			<i>For &gt;50 To 250, Add</i>	6.76	
			<i>For &gt;250 To 500, Add</i>	2.53	
31 23 16 36-0022	CY		Compaction Of Fill Or Subbase For Building Foundations and Other Structures by Hand	57.93	
<b>31 23 16 36-0023</b>			<b>Grading For Building Foundations And Other Structures</b> <small>(31 23 16 36)</small>		
31 23 16 36-0024	SY		Rough Grading For Building Foundations And Other Structures by Machine	1.56	
31 23 16 36-0025	SY		Finish Grading For Building Foundations And Other Structures by Machine	2.53	
31 23 16 36-0026	SY		Finish Grading For Building Foundations And Other Structures by Hand	17.13	
<b>31 23 16 36-0027</b>			<b>Loading Excess Material For Removal From Excavation</b> <small>(31 23 16 36)</small>		
			Note: For building foundations and other structures. Includes hand work by laborer for clean-up. Not to be used when excavated material can be loaded directly into truck instead of stock-piling. See CSI section 01 74 19 00-0034 for hauling.		
31 23 16 36-0028	CY		Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Machine	7.28	
			<i>For Up To 20, Add</i>	7.28	
			<i>For &gt;20 To 50, Add</i>	5.46	
			<i>For &gt;50 To 250, Add</i>	2.91	
			<i>For &gt;250 To 500, Add</i>	1.09	
31 23 16 36-0029	CY		Load Excess Material For Removal From Excavation For Building Foundations and Other Structures by Hand	135.59	
<b>31 23 16 36-0030</b>			<b>Spread Excess Or Imported Material And Grade On Site</b> <small>(31 23 16 36)</small>		
			Note: For building foundations and other structures.		
31 23 16 36-0031	CY		Spread Excess Or Imported Material And Rough Grade On Site By Machine	4.23	
			<i>For Up To 20, Add</i>	4.23	
			<i>For &gt;20 To 50, Add</i>	3.17	
			<i>For &gt;50 To 250, Add</i>	1.69	
			<i>For &gt;250 To 500, Add</i>	0.63	
31 23 16 36-0032	CY		Spread Excess Or Imported Material And Rough Grade On Site By Hand	74.83	
<b>31 23 19 Dewatering</b> <small>(31 23)</small>					
31 23 19 00-0001			<b>Well Point Dewatering System</b> <small>(31 23 19)</small>		
31 23 19 00-0002			<b>Delivery, Installation And Removal Cost</b> <small>(31 23 19 00-0001)</small>		
			Note: Priced by linear foot of header used.		
31 23 19 00-0003	LF		Up To 100' In Length Well Point System Delivery, Installation And Removal	178.36	
31 23 19 00-0004	LF		>100' To 250' In Length Well Point System Delivery, Installation And Removal	98.09	
31 23 19 00-0005	LF		>250' To 500' In Length Well Point System Delivery, Installation And Removal	89.17	
31 23 19 00-0006	LF		>250' To 500' In Length Well Point System Delivery, Installation And Removal	80.26	
31 23 19 00-0007	LF		>500' To 1,000' In Length Well Point System Delivery, Installation And Removal	71.34	
31 23 19 00-0008	LF		>1,000' In Length Well Point System Delivery, Installation And Removal	62.42	
31 23 19 00-0009			<b>Well Point Dewatering System Rental</b> <small>(31 23 19 00-0001)</small>		
			Note: Includes all necessary equipment for a well point system (well point with risers, pump, valves, header pipe, discharge pipe, etc.). Use normal adjustment factor only for rental tasks and modifiers. Unit of measure and modifier quantities are based on linear feet of header per day (ex. 200 ft of header for four days - quantity should be 200x4 or 800 ft). Rental days include weekends, when appropriate, regardless if the system is operational during that time. Use weekly modifier for system use of five days to less than a month. Use monthly modifier for system use of one month or greater. See CSI section 31 23 19 00-0002 for installation, 31 23 19 00-0015 for operational costs.		
31 23 19 00-0010	LFD		Up To 100' In Length Well Point System Rental (LF x Days = Quantity)	4.12	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i>	-0.91	
			<i>For &gt;1 Month, Deduct</i>	-1.15	

**31 Earthwork****31 20 Earth Moving****31 23 Excavation and Fill**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 23 19 00-0011	LFD		>100' To 250' In Length Well Point System Rental (LF x Days = Quantity) .....	2.40	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i> .....	-0.53	
			<i>For &gt;1 Month, Deduct</i> .....	-0.67	
31 23 19 00-0012	LFD		>250' To 500' In Length Well Point System Rental (LF x Days = Quantity) .....	1.72	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i> .....	-0.38	
			<i>For &gt;1 Month, Deduct</i> .....	-0.48	
31 23 19 00-0013	LFD		>500' To 1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	1.26	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i> .....	-0.28	
			<i>For &gt;1 Month, Deduct</i> .....	-0.35	
31 23 19 00-0014	LFD		>1,000' In Length Well Point System Rental (LF x Days = Quantity) .....	1.14	
			<i>For &gt;5 Days And &lt;1 Month, Deduct</i> .....	-0.25	
			<i>For &gt;1 Month, Deduct</i> .....	-0.32	
31 23 19 00-0015			<b>Well Point Dewatering System Operation Costs</b> <small>(31 23 19 00-0001)</small>		
			Note: The quantity for operation shall be the total number of hours the well point system is operational.		
31 23 19 00-0016	HR		Operation Costs .....	154.02	
<b>31 23 23</b>	<b>Fill</b>	<small>(31 23)</small>			
<b>31 23 23 23</b>	<b>Compaction</b>	<small>(31 23 23)</small>			
31 23 23 23-0001			<b>Compaction Water, Water Truck And Operator</b> <small>(31 23 23 23)</small>		
31 23 23 23-0002	MGL		Compaction Water, Water Truck And Operator .....	346.15	
<b>31 23 23 33</b>	<b>Flowable Fill</b>	<small>(31 23 23)</small>			
31 23 23 33-0001			<b>Flowable Fill (Fly Ash) Cement Backfill For Trenches</b> <small>(31 23 23 33)</small>		
			Note: Includes compaction and restoration of final grade.		
31 23 23 33-0002	CY		Flowable Fill (Fly Ash) Cement Backfill for Trenches .....	154.47	
			<i>For Up To 20, Add</i> .....	67.01	
			<i>For &gt;20 To 50, Add</i> .....	43.30	
			<i>For &gt;50 To 250, Add</i> .....	21.65	
			<i>For &gt;500 To 1,000, Deduct</i> .....	-11.86	
			<i>For &gt;1,000, Deduct</i> .....	-23.72	
<b>31 24</b>	<b>Embankments</b>	<small>(31 20)</small>			
<b>31 24 13</b>	<b>Roadway Embankments</b>	<small>(31 24)</small>			
31 24 13 00-0001			<b>Roadway, Parking Areas, Landscaping And Embankment Excavation And Shaping Operations</b> <small>(31 24 13)</small>		
			Note: Use this section for excavation and shaping operations even if the total quantity for the project exceeds 500 CY. See CSI section 31 05 16 00-0000 for imported material, 32 12 16 00-0000 for asphalt paving, 32 13 13 00-0000 for concrete paving.		
31 24 13 00-0002			<b>Cutting, Shaping And Rough Grading</b> <small>(31 24 13 00-0001)</small>		
			Note: For roadways, parking areas, landscaping, and embankments. Includes loading or stockpiling excess materials within 300' of initial cut.		
31 24 13 00-0003			<b>Cutting, Shaping, And Rough Grading</b> <small>(31 24 13 00-0002)</small>		
31 24 13 00-0004	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Soil .....	9.09	
			<i>For Up To 20, Add</i> .....	9.09	
			<i>For &gt;20 To 50, Add</i> .....	6.82	
			<i>For &gt;50 To 250, Add</i> .....	3.64	
			<i>For &gt;250 To 500, Add</i> .....	1.36	
			<i>For &gt;1,000, Deduct</i> .....	-1.36	
31 24 13 00-0005	CY		Cut, Shape, and Rough Grading for Roadways, Parking Areas, Landscaping and Embankments by Machine in Loose Rock .....	11.27	
			Note: Includes compacted aggregate		
			<i>For Up To 20, Add</i> .....	11.27	
			<i>For &gt;20 To 50, Add</i> .....	8.45	
			<i>For &gt;50 To 250, Add</i> .....	4.51	
			<i>For &gt;250 To 500, Add</i> .....	1.69	
			<i>For &gt;1,000, Deduct</i> .....	-1.69	
31 24 13 00-0006			<b>Cutting, Shaping, And Rough Grading By Hand</b> <small>(31 24 13 00-0002)</small>		
31 24 13 00-0007	SY		Shape Embankment/Slope By Hand Up To 1 On 4 Slope .....	9.48	
31 24 13 00-0008	SY		Shape Embankment/Slope By Hand Greater Than 1 On 4 Slope .....	12.33	
31 24 13 00-0009			<b>Scarify Soil</b> <small>(31 24 13 00-0001)</small>		
			Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0010	CSF		Scarify Soil For Roadways, Parking Areas, Landscaping And Embankments By Machine .....	8.41	
			<i>For Up To 20, Add</i> .....	4.21	
			<i>For &gt;20 To 50, Add</i> .....	2.10	
			<i>For &gt;250 To 500, Deduct</i> .....	-0.84	
			<i>For &gt;500, Deduct</i> .....	-1.68	
31 24 13 00-0011			<b>Relocating On Site Excavated Material</b> <small>(31 24 13 00-0001)</small>		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 24 13 00-0012	CY		>500' To 1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	16.36	
			<i>For Up To 20, Add</i>	16.36	
			<i>For &gt;20 To 50, Add</i>	12.27	
			<i>For &gt;50 To 250, Add</i>	6.54	
			<i>For &gt;250 To 500, Add</i>	2.45	
			<i>For &gt;1,000, Deduct</i>	-2.45	
31 24 13 00-0013	CY		>1,000', Relocating On Site Excavated Material For Roadways, Parking Areas, Landscaping And Embankments By Machine.....	21.80	
			<i>For Up To 20, Add</i>	21.80	
			<i>For &gt;20 To 50, Add</i>	16.35	
			<i>For &gt;50 To 250, Add</i>	8.72	
			<i>For &gt;250 To 500, Add</i>	3.27	
			<i>For &gt;1,000, Deduct</i>	-3.27	
31 24 13 00-0014			<b>Spread And Shape Imported Or Stockpiled Material</b> <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments. See CSI section 31 23 16 36-0032 for spreading material by hand.		
31 24 13 00-0015	CY		Spread And Shape Imported Or Stockpiled Material For Roadways, Parking Areas, Landscaping and Embankments By Machine.....	10.00	
			<i>For Up To 20, Add</i>	10.00	
			<i>For &gt;20 To 50, Add</i>	7.50	
			<i>For &gt;50 To 250, Add</i>	4.00	
			<i>For &gt;250 To 500, Add</i>	1.50	
			<i>For &gt;1,000, Deduct</i>	-1.50	
31 24 13 00-0016			<b>Grading</b> <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine.		
31 24 13 00-0017	SY		Rough Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	1.02	
31 24 13 00-0018	SY		Finish Grade Roadway, Parking Areas, Landscaping And Embankments By Machine.....	1.36	
31 24 13 00-0019	LF		Finish Grade For Curb.....	1.53	
31 24 13 00-0020	LF		Finish Grade For Curb And Gutter.....	1.88	
31 24 13 00-0021			<b>Compaction Of Fill Or Subbase</b> <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine, per lift.		
31 24 13 00-0022	SY		Compaction Of Fill Or Subbase For Roadways, Parking Areas, Landscaping And Embankments By Machine Per Lift.....	0.94	
			<i>For Up To 250, Add</i>	0.94	
			<i>For &gt;250 To 500, Add</i>	0.71	
			<i>For &gt;500 To 1,000, Add</i>	0.38	
			<i>For &gt;5,000, Deduct</i>	-0.14	
31 24 13 00-0023			<b>Loading Excess Material For Removal From Excavation</b> <small>(31 24 13 00-0001)</small> Note: For roadways, parking areas, landscaping and embankments by machine. Includes hand work by laborer for clean-up.		
31 24 13 00-0024	CY		Load Excess Material For Removal For Roadways, Parking Areas, Landscaping and Embankments by Machine.....	6.99	
			<i>For Up To 20, Add</i>	6.99	
			<i>For &gt;20 To 50, Add</i>	5.24	
			<i>For &gt;50 To 250, Add</i>	2.80	
			<i>For &gt;250 To 500, Add</i>	1.05	
			<i>For &gt;1,000, Deduct</i>	-1.05	

**31 25 Erosion and Sedimentation Controls** (31 20)

**31 25 14 Stabilization Measures for Erosion and Sedimentation Control** (31 25)

**31 25 14 13 Hydraulically-Applied Erosion Control** (31 25 14)

**31 25 14 13-0001 Bonded Fiber Matrix** (31 25 14 13)

31 25 14 13-0002	MSF	Up To 25,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	72.96
31 25 14 13-0003	MSF	>25,000 To 50,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	66.40
31 25 14 13-0004	MSF	>50,000 To 100,000 SF Bonded Fiber Matrix, Hydraulically Applied.....	60.83
31 25 14 13-0005	MSF	>100,000 Bonded Fiber Matrix, Hydraulically Applied.....	57.65

**31 25 14 16 Rolled Erosion Control Mats and Blankets** (31 25 14)

Note: Includes all staples and stakes for erosion control blankets and turf reinforcement mats.

**31 25 14 16-0001 Erosion Control Blankets And Turf Reinforcement Mats** (31 25 14 16)

**31 25 14 16-0002 Erosion Control Blankets, Short Term, Light Duty** (31 25 14 16-0001)

31 25 14 16-0003	SY	S75 Single Net Erosion Control Blanket.....	3.89
		Note: Straw matrix with degradable thread to a single standard photodegradable polypropylene netting as manufactured by North American Green.	
31 25 14 16-0004	SY	S75BN Single Net Erosion Control Blanket.....	4.97
		Note: Straw Matrix with Biodegradable Thread to a Single Natural Fiber Netting as manufactured by North American Green.	
31 25 14 16-0005	SY	Curlex 1, Single Net Erosion Control Blanket.....	3.70
		Note: As manufactured by American Excelsior	
31 25 14 16-0006	SY	Curlex 1, Single Net Erosion Control Blanket.....	3.89
		Note: As manufactured by American Green.	
31 25 14 16-0007	SY	Futerra Erosion Control Blanket, Wood Fibers With Biodegradable Netting.....	3.47

**31 Earthwork****31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 25 14 16-0008		<b>Erosion Control Blankets, Intermediate Duration</b> <small>(31 25 14 16-0001)</small>		
31 25 14 16-0009	SY	S150 Double Net Erosion Control Blanket..... Note: Straw matrix with degradable thread to a double standard photodegradable polypropylene netting as manufactured by North American Green.	5.00	
31 25 14 16-0010	SY	S150 BN Double Net Erosion Control Blanket..... Note: Straw matrix with biodegradable thread to a double natural fiber netting as manufactured by North American Green.	6.68	
31 25 14 16-0011	SY	Curlex II, Double Net Erosion Control Blanket, Natural..... Note: As manufactured by American Excelsior.	4.20	
31 25 14 16-0012	SY	Curlex II, Double Net Erosion Control Blanket, Green..... Note: As manufactured by American Excelsior.	4.39	
31 25 14 16-0013	SY	Enforcer Double Net Erosion Control Blanket..... Note: As manufactured by American Excelsior.	4.67	
31 25 14 16-0014		<b>Turf Reinforcement Mats (TRM)</b> <small>(31 25 14 16-0001)</small>		
		Note: Permanent, UV stabilized.		
31 25 14 16-0015	SY	P300 Permanent Polypropylene Turf Reinforcement Mat..... Note: 100% synthetic, UV stabilized, two layer netting.	16.28	
31 25 14 16-0016	SY	C350 Permanent Turf Reinforcement Mat..... Note: 100% synthetic, UV stabilized netting incorporating natural coconut fibers as manufactured by North American Green.	15.09	
31 25 14 16-0017	SY	Recyclex TRM, Permanent Turf Reinforcement Mat..... Note: As manufactured by American Excelsior, 100% recycled	20.48	
31 25 14 16-0018		<b>Jute Mesh Erosion Control Blankets</b> <small>(31 25 14 16-0001)</small>		
31 25 14 16-0019	SY	Jute Mesh, Open Uniform Weave.....	6.25	
31 25 14 16-0020		<b>Revegetation Mat</b> <small>(31 25 14 16-0001)</small>		
31 25 14 16-0021	SY	3-Dimensional Webbed Revegetation Mat, Polyolefin Fiber..... Note: Polyolefin fibers oriented and mechanically bonded between two nets. Landlok TRM 450 or equal.	11.90	
31 25 14 16-0022	SY	Webbed Revegetation Mat, Polypropylene Fiber..... Note: Polypropylene fibers positioned between two high strength biaxially oriented nets and mechanically held together by parallel stitching with polypropylene thread. Landlok TRM 1060 or equal.	16.92	
31 25 14 23		<b>Stabilization Measures for Erosion Control</b> <small>(31 25 14)</small>		
		See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		
31 25 14 23-0001		<b>Sand Bags</b> <small>(31 25 14 23)</small>		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0002	BAG	50 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.93 -0.78 -1.67	3.89
31 25 14 23-0003	BAG	75 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	11.44 -0.97 -2.11	4.85
31 25 14 23-0004	BAG	100 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	14.26 -1.16 -2.58	5.79
31 25 14 23-0005	BAG	125 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	17.62 -1.45 -3.21	7.24
31 25 14 23-0006	BAG	150 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	21.39 -1.74 -3.88	8.68
31 25 14 23-0007	BAG	175 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	24.80 -1.97 -4.45	9.86
31 25 14 23-0008	BAG	2,000 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	177.29 -11.26 -28.99	65.14
31 25 14 23-0009	BAG	3,000 LB Capacity Sand Bag With Sand..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	226.14 -12.38 -35.00	71.64
31 25 14 23-0010		<b>Gravel Bags</b> <small>(31 25 14 23)</small>		
		Note: Bags filled on site with delivered material. Includes material and placement of bags.		
31 25 14 23-0011	BAG	30 LB Capacity Gravel Bag With Gravel..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	8.14 -0.51 -1.33	2.59
31 25 14 23-0012	BAG	50 LB Capacity Gravel Bag With Gravel..... <i>For &gt;2,500 To 5,000, Deduct</i> <i>For &gt;5,000, Deduct</i>	14.19 -0.78 -2.20	3.89
31 25 14 23-0013		<b>Floating Turbidity Curtain</b> <small>(31 25 14 23)</small>		
		Note: Type 2 DOT fabric - 18 oz. nominal laminated vinyl/polyester. EPS flotation, 6 in. x 6 in., 13.5 lb./ft. buoyancy in fresh water and 14.4 lb./ft buoyancy in saltwater.		
31 25 14 23-0014	LF	3' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i>	29.56 -4.23	
31 25 14 23-0015	LF	4' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i>	31.96 -4.66	
31 25 14 23-0016	LF	5' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain..... <i>For Type 1, Deduct</i>	35.24 -5.28	

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

31 25 14 23-0017	LF	6' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	38.06
		<i>For Type 1, Deduct</i>	-5.79
31 25 14 23-0018	LF	7' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	39.95
		<i>For Type 1, Deduct</i>	-6.07
31 25 14 23-0019	LF	8' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	41.84
		<i>For Type 1, Deduct</i>	-6.35
31 25 14 23-0020	LF	9' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	44.02
		<i>For Type 1, Deduct</i>	-6.69
31 25 14 23-0021	LF	10' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	46.98
		<i>For Type 1, Deduct</i>	-7.20
31 25 14 23-0022	LF	12' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	49.36
		<i>For Type 1, Deduct</i>	-7.57
31 25 14 23-0023	LF	13' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	52.51
		<i>For Type 1, Deduct</i>	-8.10
31 25 14 23-0024	LF	14' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	55.47
		<i>For Type 1, Deduct</i>	-8.58
31 25 14 23-0025	LF	15' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	58.34
		<i>For Type 1, Deduct</i>	-9.03
31 25 14 23-0026	LF	16' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	63.35
		<i>For Type 1, Deduct</i>	-9.97
31 25 14 23-0027	LF	17' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	66.44
		<i>For Type 1, Deduct</i>	-10.45
31 25 14 23-0028	LF	18' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	69.44
		<i>For Type 1, Deduct</i>	-10.90
31 25 14 23-0029	LF	19' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	72.63
		<i>For Type 1, Deduct</i>	-11.38
31 25 14 23-0030	LF	20' High, 18 Oz PVC Coated Polyester, Type 2 DOT Turbidity Curtain.....	75.75
		<i>For Type 1, Deduct</i>	-11.83

<b>31 25 14 23-0031</b>		<b>Turbidity Curtain Anchors</b> <small>(31 25 14 23)</small>	
31 25 14 23-0032	EA	14 LB, Turbidity Curtain Anchor System..... Note: Includes anchor, anchor chain, and marker buoy and rope.	749.40
31 25 14 23-0033	EA	25 LB, Turbidity Curtain Anchor System..... Note: Includes anchor, anchor chain, and marker buoy and rope.	1,022.40
31 25 14 23-0034	EA	40 LB, Turbidity Curtain Anchor System..... Note: Includes anchor, anchor chain, and marker buoy and rope.	1,296.60
31 25 14 23-0035	EA	65 LB, Turbidity Curtain Anchor System..... Note: Includes anchor, anchor chain, and marker buoy and rope.	1,691.27

<b>31 25 14 23-0036</b>		<b>Filter Bags</b> <small>(31 25 14 23)</small>	
<b>31 25 14 23-0037</b>		<b>Non-Woven Filter Bags</b> <small>(31 25 14 23-0036)</small>	
31 25 14 23-0038	EA	6' x 15' Non-Woven Filter Bag.....	263.08
31 25 14 23-0039	EA	13' x 15' Non-Woven Filter Bag.....	379.81
31 25 14 23-0040	EA	15' x 15' Non-Woven Filter Bag.....	437.70

<b>31 25 14 23-0041</b>		<b>Monofilament Filter Bags</b> <small>(31 25 14 23-0036)</small>	
31 25 14 23-0042	EA	5' x 15' Monofilament Filter Bag.....	273.22
31 25 14 23-0043	EA	10' x 15' Monofilament Filter Bag.....	377.24

<b>31 25 14 23-0044</b>		<b>Cable Articulating Concrete Block</b> <small>(31 25 14 23)</small>	
		Note: 4000 PSI Compressive strength, 12 LB/CF maximum absorption. Interlocking block with longitudinal revetment cable. Includes anchoring block to 12" x 12" x 6" concrete pier every 5' with anchor and filling cells with stockpiled material. Excludes site preparation and imported materials.	
31 25 14 23-0045	SF	4.75" Open Cell Articulated Concrete Block With Earth Backfill.....	46.74
		<i>For Up To 500, Add</i>	10.91
		<i>For &gt;500 To 1,000, Add</i>	6.24
31 25 14 23-0046	SF	6" Open Cell Articulated Concrete Block With Earth Backfill.....	52.66
		<i>For Up To 500, Add</i>	12.24
		<i>For &gt;500 To 1,000, Add</i>	6.97
31 25 14 23-0047	SF	7.5" Open Cell Articulated Concrete Block With Earth Backfill.....	59.50
		<i>For Up To 500, Add</i>	13.78
		<i>For &gt;500 To 1,000, Add</i>	7.83
31 25 14 23-0048	SF	9" Open Cell Articulated Concrete Block With Earth Backfill.....	66.80
		<i>For Up To 500, Add</i>	15.45
		<i>For &gt;500 To 1,000, Add</i>	8.77
31 25 14 23-0049	SF	4.75" Closed Cell Articulated Concrete Block.....	49.06
		<i>For Up To 500, Add</i>	11.38
		<i>For &gt;500 To 1,000, Add</i>	6.47
31 25 14 23-0050	SF	6" Closed Cell Articulated Concrete Block.....	55.44
		<i>For Up To 500, Add</i>	12.80
		<i>For &gt;500 To 1,000, Add</i>	7.25
31 25 14 23-0051	SF	7.5" Closed Cell Articulated Concrete Block.....	62.80
		<i>For Up To 500, Add</i>	14.44
		<i>For &gt;500 To 1,000, Add</i>	8.16
31 25 14 23-0052	SF	9" Closed Cell Articulated Concrete Block.....	70.57
		<i>For Up To 500, Add</i>	16.20
		<i>For &gt;500 To 1,000, Add</i>	9.14

**31 25 14 26 Stabilization Measures for Sedimentation Control** (31 25 14)

<b>31 25 14 26-0001</b>		<b>Silt Fences And Dike Barriers</b> <small>(31 25 14 26)</small>	
		Note: Includes stakes and embedding.	



**31 Earthwork****31 20 Earth Moving****31 25 Erosion and Sedimentation Controls**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

31 25 14 26-0002	<b>Silt Fences 2' High</b> <small>(31 25 14 26-0001)</small>		
	See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0003	LF 2' High Silt Fence with Stakes at 4' On Center .....	4.92	
31 25 14 26-0004	LF 2' High Silt Fence with Stakes at 6' On Center .....	3.88	
31 25 14 26-0005	LF 2' High Silt Fence with Stakes at 8' On Center .....	2.84	
31 25 14 26-0006	LF 2' High Silt Fence with Stakes at 10' On Center .....	2.49	
31 25 14 26-0007	<b>Silt Fences 3' High</b> <small>(31 25 14 26-0001)</small>		
	See CSI section 31 25 14 26-0014 for removal of silt fence.		
31 25 14 26-0008	LF 3' High Silt Fence with Stakes at 4' On Center .....	6.36	
	<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0009	LF 3' High Silt Fence with Stakes at 6' On Center .....	5.16	
	<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0010	LF 3' High Silt Fence with Stakes at 8' On Center .....	3.59	
	<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0011	LF 3' High Silt Fence with Stakes at 10' On Center .....	3.13	
	<i>For Wire Backed Fence, Add</i>	0.55	
31 25 14 26-0012	<b>Silt Dike Barrier</b> <small>(31 25 14 26-0001)</small>		
31 25 14 26-0013	LF Silt Dike Barrier With Stakes .....	6.27	
31 25 14 26-0014	<b>Silt Fences Removal</b> <small>(31 25 14 26-0001)</small>		
31 25 14 26-0015	LF Removal Of Silt Fence And Stakes .....	1.23	
31 25 14 26-0016	<b>Hay And Straw Bales</b> <small>(31 25 14 26)</small>		
	Note: Includes trench for placement, and stakes.		
31 25 14 26-0017	LF Place Sterilized Straw Bales .....	5.64	
	Note: Includes securing in ground with stakes.		
31 25 14 26-0018	LF Place Hay Bales .....	5.40	
	Note: Includes securing in ground with stakes.		
31 25 14 26-0019	<b>Sediment Logs (Degradable)</b> <small>(31 25 14 26)</small>		
31 25 14 26-0020	<b>Sediment Logs (Degradable)</b> <small>(31 25 14 26-0019)</small>		
	Note: Includes stakes and removal after use. Curlex sediment logs as manufactured by American Excelsior.		
31 25 14 26-0021	LF 9" Sediment Fiber Roll Log .....	8.83	
31 25 14 26-0022	LF 12" Sediment Fiber Roll Log .....	10.14	
31 25 14 26-0023	LF 20" Sediment Fiber Roll Log .....	15.80	
31 25 14 26-0024	<b>Inlet Protection Sediment Bags</b> <small>(31 25 14 26)</small>		
	Note: Includes removal, cleaning, and replacement per each location.		
31 25 14 26-0025	EA 2' x 2' x 3' Inlet Protection Sediment Bag .....	101.81	
31 25 14 26-0026	EA 2' x 3' x 3' Inlet Protection Sediment Bag .....	118.81	
31 25 14 26-0027	EA 2' x 4' x 3' Inlet Protection Sediment Bag .....	130.05	

**31 30 Earthwork Methods** (31)**31 31 Soil Treatment** (31 30)**31 31 19 Vegetation Control** (31 31)**31 31 19 13 Chemical Vegetation Control** (31 31 19)**31 31 19 13-0001 Soil Sterilants** (31 31 19 13)

31 31 19 13-0002	MSF Soil Sterilant .....	36.57	
	Note: Use only in areas where complete control of all vegetation is desired, such as industrial sites, right-of-way, lumberyards, petroleum tank farms, around farm buildings, along fence lines, etc. When applied to the soil, this product usually inhibits plant growth for a year or more.		
	<i>For &gt;45 To 90, Deduct</i>	-0.64	
	<i>For &gt;90 To 225, Deduct</i>	-3.11	
	<i>For &gt;225, Deduct</i>	-4.40	

**31 32 Soil Stabilization** (31 30)**31 32 13 Soil Mixing Stabilization** (31 32)**31 32 13 16 Cement Soil Stabilization** (31 32 13)**31 32 13 16-0001 Cementitious Soil Binder** (31 32 13 16)

31 32 13 16-0002	CY Cementitious Soil Binder, 4% Cement Mix By Volume .....	44.72	
31 32 13 16-0003	CY Cementitious Soil Binder, 6% Cement Mix By Volume .....	49.83	
31 32 13 16-0004	CY Cementitious Soil Binder, 9% Cement Mix By Volume .....	58.24	
31 32 13 16-0005	CY Cementitious Soil Binder, 12% Cement Mix By Volume .....	66.53	

**31 32 13 29 Liquid Soil Stabilization** (31 32 13)

31 32 13 29-0001	GAL Polyacrylamide And Calcium Solution .....	2.60	
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MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 32 19 Geosynthetic Soil Stabilization and Layer Separation (31 32)**

**31 32 19 13 Geogrid Soil Stabilization (31 32 19)**

**31 32 19 13-0001 Geogrid Fabrics (31 32 19 13)**

Note: For reinforcement of over steepened earth slopes, segmental retaining walls and other mechanically stabilized earth applications.

31 32 19 13-0002	SY	5.3 Ounce/SY, 1,700 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-150)	5.55	
		For Up To 50, Add	1.26	
		For >50 To 150, Add	0.93	
		For >150 To 250, Add	0.61	
		For >250 To 500, Add	0.30	
31 32 19 13-0003	SY	6.9 Ounce/SY, 3,100 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-300)	6.33	
		For Up To 50, Add	1.43	
		For >50 To 150, Add	1.06	
		For >150 To 250, Add	0.69	
		For >250 To 500, Add	0.34	
31 32 19 13-0004	SY	8.7 Ounce/SY, 4,280 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-500)	6.90	
		For Up To 50, Add	1.55	
		For >50 To 150, Add	1.15	
		For >150 To 250, Add	0.75	
		For >250 To 500, Add	0.37	
31 32 19 13-0005	SY	12.6 Ounce/SY, 7,315 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-800)	9.89	
		For Up To 50, Add	2.15	
		For >50 To 150, Add	1.60	
		For >150 To 250, Add	1.05	
		For >250 To 500, Add	0.52	
31 32 19 13-0006	SY	14.1 Ounce/SY, 9,790 LB/FT Wide Width Tensile Ultimate Bi-Directional Woven Polyester Geogrid Fabric (Carthage Mills GX-1000)	11.30	
		For Up To 50, Add	2.44	
		For >50 To 150, Add	1.82	
		For >150 To 250, Add	1.19	
		For >250 To 500, Add	0.60	
31 32 19 13-0007	SY	4.3 Ounce/SY, 1,658 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 20)	5.64	
		For Up To 50, Add	1.28	
		For >50 To 150, Add	0.95	
		For >150 To 250, Add	0.61	
		For >250 To 500, Add	0.31	
31 32 19 13-0008	SY	5.9 Ounce/SY, 2,192 LB/FT Wide Width Tensile Ultimate Bi-Axial Extruded Polypropylene Geogrid Fabric (Carthage Mills Enkagrid Max 30)	8.27	
		For Up To 50, Add	1.81	
		For >50 To 150, Add	1.35	
		For >150 To 250, Add	0.88	
		For >250 To 500, Add	0.44	

**31 32 19 16 Geotextile Soil Stabilization (31 32 19)**

**31 32 19 16-0001 Nonwoven Polypropylene Geotextiles (31 32 19 16)**

Note: For drainage, filtration and separation.

31 32 19 16-0002	SY	3.0 Ounce/SY, 40 Mil, 80 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-30HS)	1.74	
		For Up To 50, Add	0.41	
		For >50 To 150, Add	0.30	
		For >150 To 250, Add	0.19	
		For >250 To 500, Add	0.10	
31 32 19 16-0003	SY	3.5 Ounce/SY, 50 Mil, 95 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-35HS)	1.86	
		For Up To 50, Add	0.43	
		For >50 To 150, Add	0.32	
		For >150 To 250, Add	0.21	
		For >250 To 500, Add	0.10	
31 32 19 16-0004	SY	4.0 Ounce/SY, 60 Mil, 115 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-40HS)	2.01	
		For Up To 50, Add	0.46	
		For >50 To 150, Add	0.34	
		For >150 To 250, Add	0.22	
		For >250 To 500, Add	0.11	
31 32 19 16-0005	SY	4.5 Ounce/SY, 55 Mil, 120 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-45HS)	2.16	
		For Up To 50, Add	0.49	
		For >50 To 150, Add	0.36	
		For >150 To 250, Add	0.24	
		For >250 To 500, Add	0.12	
31 32 19 16-0006	SY	6.0 Ounce/SY, 70 Mil, 160 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-60HS)	2.56	
		For Up To 50, Add	0.57	
		For >50 To 150, Add	0.42	
		For >150 To 250, Add	0.28	
		For >250 To 500, Add	0.14	
31 32 19 16-0007	SY	7.0 Ounce/SY, 85 Mil, 180 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-70HS)	3.00	
		For Up To 50, Add	0.68	
		For >50 To 150, Add	0.50	
		For >150 To 250, Add	0.33	
		For >250 To 500, Add	0.16	

**31 Earthwork****31 30 Earthwork Methods****31 32 Soil Stabilization**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
31 32 19 16-0008	SY		8.0 Ounce/SY, 85 Mil, 205 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-80HS).....	3.30	
			<i>For Up To 50, Add</i>	0.74	
			<i>For &gt;50 To 150, Add</i>	0.55	
			<i>For &gt;150 To 250, Add</i>	0.36	
			<i>For &gt;250 To 500, Add</i>	0.18	
31 32 19 16-0009	SY		10 Ounce/SY, 115 Mil, 250 LB Grab Tensile Nonwoven Polypropylene Geotextile Fabric (Carthage Mills FX-100HS).....	4.06	
			<i>For Up To 50, Add</i>	0.89	
			<i>For &gt;50 To 150, Add</i>	0.66	
			<i>For &gt;150 To 250, Add</i>	0.43	
			<i>For &gt;250 To 500, Add</i>	0.22	
<b>31 32 19 16-0010</b>			<b>Woven Geotextiles Fabric</b> <small>(31 32 19 16)</small>		
31 32 19 16-0011	SY		200 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-55).....	2.50	
			<i>For Up To 50, Add</i>	0.56	
			<i>For &gt;50 To 150, Add</i>	0.42	
			<i>For &gt;150 To 250, Add</i>	0.27	
			<i>For &gt;250 To 500, Add</i>	0.14	
31 32 19 16-0012	SY		315 LB Grab Tensile Woven Slit Film Geotextile Fabric (Carthage Mills FX-66).....	3.49	
			<i>For Up To 50, Add</i>	0.76	
			<i>For &gt;50 To 150, Add</i>	0.56	
			<i>For &gt;150 To 250, Add</i>	0.37	
			<i>For &gt;250 To 500, Add</i>	0.18	
31 32 19 16-0013	SY		4 To 6% Open Area, 370 x 250 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 6%).....	6.14	
			<i>For Up To 50, Add</i>	1.30	
			<i>For &gt;50 To 150, Add</i>	0.97	
			<i>For &gt;150 To 250, Add</i>	0.64	
			<i>For &gt;250 To 500, Add</i>	0.32	
31 32 19 16-0014	SY		11 To 15% Open Area, 370 x 220 LB Grab Tensile Woven Monofilament Geotextile Fabric (Carthage Mills Carthage 15%).....	5.99	
			<i>For Up To 50, Add</i>	1.27	
			<i>For &gt;50 To 150, Add</i>	0.95	
			<i>For &gt;150 To 250, Add</i>	0.62	
			<i>For &gt;250 To 500, Add</i>	0.31	
31 32 19 16-0015	SY		6.9 Oz/SY, 250 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-250TF).....	5.24	
			<i>For Up To 50, Add</i>	1.12	
			<i>For &gt;50 To 150, Add</i>	0.84	
			<i>For &gt;150 To 250, Add</i>	0.55	
			<i>For &gt;250 To 500, Add</i>	0.27	
31 32 19 16-0016	SY		9.1 Oz/SY, 333 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-330TF).....	5.60	
			<i>For Up To 50, Add</i>	1.20	
			<i>For &gt;50 To 150, Add</i>	0.89	
			<i>For &gt;150 To 250, Add</i>	0.59	
			<i>For &gt;250 To 500, Add</i>	0.29	
31 32 19 16-0017	SY		12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Twill Weave Geotextile Fabric (Carthage Mills FX-400TF).....	7.14	
			<i>For Up To 50, Add</i>	1.50	
			<i>For &gt;50 To 150, Add</i>	1.12	
			<i>For &gt;150 To 250, Add</i>	0.74	
			<i>For &gt;250 To 500, Add</i>	0.37	
31 32 19 16-0018	SY		12.1 Oz/SY, 400 LB/IN Wide Width Tensile Ultimate Woven Monofilament And Fibrillated Geotextile Fabric (Carthage Mills FX-400MF).....	10.16	
			<i>For Up To 50, Add</i>	2.11	
			<i>For &gt;50 To 150, Add</i>	1.57	
			<i>For &gt;150 To 250, Add</i>	1.04	
			<i>For &gt;250 To 500, Add</i>	0.52	
<b>31 32 19 16-0019</b>			<b>Geomembranes</b> <small>(31 32 19 16)</small>		
<b>31 32 19 16-0020</b>			<b>Polyvinyl Chloride (PVC) Geomembrane</b> <small>(31 32 19 16-0019)</small>		
31 32 19 16-0021	SF		20 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.57	
31 32 19 16-0022	SF		30 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	1.81	
31 32 19 16-0023	SF		40 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.17	
31 32 19 16-0024	SF		50 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.60	
31 32 19 16-0025	SF		60 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	2.96	
31 32 19 16-0026	SF		70 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.23	
31 32 19 16-0027	SF		80 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.50	
31 32 19 16-0028	SF		90 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	3.87	
31 32 19 16-0029	SF		100 Mil Polyvinyl Chloride (PVC) Geomembrane (US Fabrics).....	4.21	
<b>31 32 19 16-0030</b>			<b>High Density Polyethylene (HDPE) Geomembrane</b> <small>(31 32 19 16-0019)</small>		
31 32 19 16-0031	SF		20 Mil High Density Polyethylene Membrane (US Fabrics).....	1.56	
31 32 19 16-0032	SF		30 Mil High Density Polyethylene Membrane (US Fabrics).....	1.07	
31 32 19 16-0033	SF		40 Mil High Density Polyethylene Membrane (US Fabrics).....	1.17	
31 32 19 16-0034	SF		50 Mil High Density Polyethylene Membrane (US Fabrics).....	1.62	
31 32 19 16-0035	SF		60 Mil High Density Polyethylene Membrane (US Fabrics).....	1.36	
31 32 19 16-0036	SF		80 Mil High Density Polyethylene Membrane (US Fabrics).....	1.56	
31 32 19 16-0037	SF		100 Mil High Density Polyethylene Membrane (US Fabrics).....	1.77	
31 32 19 16-0038	SF		120 Mil High Density Polyethylene Membrane (US Fabrics).....	2.81	
31 32 19 16-0039	SF		140 Mil High Density Polyethylene Membrane (US Fabrics).....	2.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**31 32 19 26 Geoweb Cellular Confinement System (31 32 19)**

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

**31 32 19 26-0001 Geoweb Cellular Confinement System (31 32 19 26)**

Note: Includes staples, stakes and filling cells with stockpiled material. Excludes site preparation and imported materials.

31 32 19 26-0002	SF	4" Geoweb Cellular Confinement System (Presto Geosystems) .....	8.83	
		<i>For &gt;20,000, Deduct</i>		-0.19
31 32 19 26-0003	SF	6" Geoweb Cellular Confinement System (Presto Geosystems) .....	10.55	
		<i>For &gt;20,000, Deduct</i>		-0.28
31 32 19 26-0004	SF	8" Geoweb Cellular Confinement System (Presto Geosystems) .....	12.60	
		<i>For &gt;20,000, Deduct</i>		-0.38

**31 35 Slope Protection (31 30)**

**31 35 19 Geosynthetic Slope Protection (31 35)**

**31 35 19 19 Slope Protection with Mulch Control Netting (31 35 19)**

**31 35 19 19-0001 Erosion Control Fabric (31 35 19 19)**

31 35 19 19-0002	SY	26.6 OZ/SY Erosion Control Fabric (Belton Industries Geocoir 900) .....	5.80	
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**31 36 Gabions (31 30)**

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, unloading and placing. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

**31 36 13 Gabion Boxes (31 36)**

**31 36 13 00-0001 Stone Filled Gabion Slope Protection (31 36 13)**

Note: Machine placed by SY of total top face area for depth indicated.

31 36 13 00-0002	SY	6" Deep Stone Filled Gabion Slope Protection .....	89.34	
31 36 13 00-0003	SY	9" Deep Stone Filled Gabion Slope Protection .....	105.07	
31 36 13 00-0004	SY	12" Deep Stone Filled Gabion Slope Protection .....	125.83	
31 36 13 00-0005	SY	15" Deep Stone Filled Gabion Slope Protection .....	149.01	
31 36 13 00-0006	SY	18" Deep Stone Filled Gabion Slope Protection .....	175.09	
31 36 13 00-0007	SY	24" Deep Stone Filled Gabion Slope Protection .....	239.35	
31 36 13 00-0008	SY	36" Deep Stone Filled Gabion Slope Protection .....	302.23	

**31 37 Riprap (31 30)**

Note: Includes the cost for loading, hauling up to 15 miles from the closest approved source, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

**31 37 13 Machined Riprap (31 37)**

**31 37 13 00-0001 Random - Filter Stone (31 37 13)**

31 37 13 00-0002	TON	10 To 50 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	61.40	
31 37 13 00-0003	TON	>50 To 100 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	71.22	
31 37 13 00-0004	TON	>100 To 200 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	75.85	
31 37 13 00-0005	TON	>200 To 300 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	81.12	
31 37 13 00-0006	TON	>300 To 600 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	85.37	
31 37 13 00-0007	TON	>600 LB Average Pieces Random, Dumped From Truck, Rip Rap .....	92.40	
31 37 13 00-0008	TON	3/8 To 1/4 CY Pieces Random, Dumped From Truck, Machine Spread And Placed Slope Protection (Keyed) Rip Rap .....	111.82	

**31 40 Shoring and Underpinning (31)**

**31 41 Shoring (31 40)**

**31 41 13 Timber Shoring (31 41)**

**31 41 13 00-0001 Wood Sheet Piling (31 41 13)**

**31 41 13 00-0002 Pull And Salvage (31 41 13 00-0001)**

Note: Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required and excavation.

31 41 13 00-0003	SF	8' Deep Excavation, Wood Shoring, Pull And Salvage .....	17.48	
		<i>For Wood Sheeting Left In Place</i>		-2.31
31 41 13 00-0004	SF	10' Deep Excavation, Wood Shoring, Pull And Salvage .....	18.96	
		<i>For Wood Sheeting Left In Place</i>		-2.62
31 41 13 00-0005	SF	12' Deep Excavation, Wood Shoring, Pull And Salvage .....	20.57	
		<i>For Wood Sheeting Left In Place</i>		-2.94
31 41 13 00-0006	SF	14' Deep Excavation, Wood Shoring, Pull And Salvage .....	22.31	
		<i>For Wood Sheeting Left In Place</i>		-3.33
31 41 13 00-0007	SF	16' Deep Excavation, Wood Shoring, Pull And Salvage .....	24.21	
		<i>For Wood Sheeting Left In Place</i>		-3.73
31 41 13 00-0008	SF	18' Deep Excavation, Wood Shoring, Pull And Salvage .....	26.27	
		<i>For Wood Sheeting Left In Place</i>		-4.18
31 41 13 00-0009	SF	20' Deep Excavation, Wood Shoring, Pull And Salvage .....	28.53	
		<i>For Wood Sheeting Left In Place</i>		-4.67

**31 41 16 Sheet Piling (31 41)**

**31 41 16 13 Steel Sheet Piling (31 41 16)**

**31 Earthwork****31 40 Shoring and Underpinning****31 41 Shoring**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

31 41 16 13-0001		Standard Carbon Grade Steel Sheeting - Pull And Salvage <small>(31 41 16 13)</small>	
Note: Up to 3 months. 38.5 KSI steel per SF minimum. PSF indicated is for the weight of the material per square foot. Includes soldier beams and lagging (wales, braces and spacers). Excludes tie-backs (rock bolting) where required and excavation.			
31 41 16 13-0002	TON	Driven Steel Sheet Piling, 15' Excavation, 22 PSF Steel Sheeting, Pull And Salvage.....	2,403.52
		<i>For Standard Sheeting Left In Place, Add</i>	1,126.00
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,080.36
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	102.70
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	114.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	353.73
		<i>For Each Additional Month &gt;3 Months, Add</i>	57.05
31 41 16 13-0003	TON	Driven Steel Sheet Piling, 20' Excavation, 27 PSF Steel Sheeting, Pull And Salvage.....	2,502.27
		<i>For Standard Sheeting Left In Place, Add</i>	1,076.63
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	1,030.99
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	102.70
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	114.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	353.73
		<i>For Each Additional Month &gt;3 Months, Add</i>	57.05
31 41 16 13-0004	TON	Driven Steel Sheet Piling, 25' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	2,961.38
		<i>For Standard Sheeting Left In Place, Add</i>	847.07
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	801.43
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	102.70
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	114.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	353.73
		<i>For Each Additional Month &gt;3 Months, Add</i>	57.05
31 41 16 13-0005	TON	Driven Steel Sheet Piling, 30' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,403.18
		<i>For Standard Sheeting Left In Place, Add</i>	626.17
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	580.53
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	102.70
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	114.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	353.73
		<i>For Each Additional Month &gt;3 Months, Add</i>	57.05
31 41 16 13-0006	TON	Driven Steel Sheet Piling, 35' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,663.05
		<i>For Standard Sheeting Left In Place, Add</i>	496.24
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	450.60
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	102.70
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	114.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	353.73
		<i>For Each Additional Month &gt;3 Months, Add</i>	57.05
31 41 16 13-0007	TON	Driven Steel Sheet Piling, 40' Excavation, 38 PSF Steel Sheeting, Pull And Salvage.....	3,928.12
		<i>For Standard Sheeting Left In Place, Add</i>	363.70
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF Left In Place, Add</i>	318.06
		<i>For High Strength Sheeting 45,000 To 50,000 PSI Grade, Add</i>	102.70
		<i>For High Strength Sheeting 55,000 PSI Grade, Add</i>	114.11
		<i>For Lightweight Steel Sheeting 8.6 And 9.2 PSF, Add</i>	353.73
		<i>For Each Additional Month &gt;3 Months, Add</i>	57.05

**31 43 Concrete Raising (31 40)****31 43 13 Pressure Grouting (31 43)****31 43 13 16 Polyurethane Pressure Grouting (31 43 13)**

31 43 13 16-0001		PolyLift™ Concrete Injection For Lifting And Leveling <small>(31 43 13 16)</small>	
31 43 13 16-0002	EA	Mobilization PolyLift™ Concrete Lifting And Leveling Minimum Charge.....	3,926.37
31 43 13 16-0003	LB	Up To 1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling.....	35.22
		Note: Per pound of material.	
31 43 13 16-0004	LB	>1,000 Lbs PolyLift™ Concrete Injection For Lifting And Leveling.....	29.49
		Note: Per pound of material.	

**31 45 Vibroflotation and Densification (31 40)****31 45 13 Vibroflotation (31 45)**

31 45 13 00-0001	LCY	Soil Stabilization, Vibroflotation.....	19.60
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**31 60 Special Foundations and Load-bearing Elements (31)****31 62 Driven Piles (31 60)****31 62 16 Steel Piles (31 62)****31 62 16 19 Unfilled Tubular Steel Piles (31 62 16)**

31 62 16 19-0001		Unfilled Tubular Driven Steel Piles <small>(31 62 16 19)</small>	
31 62 16 19-0002	VLF	8" Diameter x 29 LB/FT, Unfilled Tubular Driven Steel Pile.....	65.87
		<i>For Piles Driven In Water, Add</i>	27.24
		<i>For Pulling And Salvage After Use, Add</i>	22.95
31 62 16 19-0003	VLF	8" Diameter x 36 LB/FT, Unfilled Tubular Driven Steel Pile.....	76.60
		<i>For Piles Driven In Water, Add</i>	28.32
		<i>For Pulling And Salvage After Use, Add</i>	22.95
31 62 16 19-0004	VLF	8" Diameter x 43 LB/FT, Unfilled Tubular Driven Steel Pile.....	88.19
		<i>For Piles Driven In Water, Add</i>	29.47
		<i>For Pulling And Salvage After Use, Add</i>	22.95
31 62 16 19-0005	VLF	10" Diameter x 34 LB/FT, Unfilled Tubular Driven Steel Pile.....	76.60
		<i>For Piles Driven In Water, Add</i>	28.32
		<i>For Pulling And Salvage After Use, Add</i>	22.95



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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31 62 16 19-0006			VLF 10" Diameter x 41 LB/FT, Unfilled Tubular Driven Steel Pile.....	86.79	
			<i>For Piles Driven In Water, Add</i>	29.33	
			<i>For Pulling And Salvage After Use, Add</i>	22.95	
31 62 16 19-0007			VLF 10" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	109.32	
			<i>For Piles Driven In Water, Add</i>	31.59	
			<i>For Pulling And Salvage After Use, Add</i>	22.95	
31 62 16 19-0008			VLF 12" Diameter x 42 LB/FT, Unfilled Tubular Driven Steel Pile.....	90.45	
			<i>For Piles Driven In Water, Add</i>	30.79	
			<i>For Pulling And Salvage After Use, Add</i>	24.16	
31 62 16 19-0009			VLF 12" Diameter x 50 LB/FT, Unfilled Tubular Driven Steel Pile.....	102.38	
			<i>For Piles Driven In Water, Add</i>	31.98	
			<i>For Pulling And Salvage After Use, Add</i>	24.16	
31 62 16 19-0010			VLF 12" Diameter x 54 LB/FT, Unfilled Tubular Driven Steel Pile.....	109.01	
			<i>For Piles Driven In Water, Add</i>	32.65	
			<i>For Pulling And Salvage After Use, Add</i>	24.16	
31 62 16 19-0011			VLF 12" Diameter x 65 LB/FT, Unfilled Tubular Driven Steel Pile.....	127.57	
			<i>For Piles Driven In Water, Add</i>	34.50	
			<i>For Pulling And Salvage After Use, Add</i>	24.16	
31 62 16 19-0012			VLF 14" Diameter x 46 LB/FT, Unfilled Tubular Driven Steel Pile.....	97.76	
			<i>For Piles Driven In Water, Add</i>	33.81	
			<i>For Pulling And Salvage After Use, Add</i>	26.70	
31 62 16 19-0013			VLF 14" Diameter x 55 LB/FT, Unfilled Tubular Driven Steel Pile.....	111.26	
			<i>For Piles Driven In Water, Add</i>	35.16	
			<i>For Pulling And Salvage After Use, Add</i>	26.70	
31 62 16 19-0014			VLF 14" Diameter x 64 LB/FT, Unfilled Tubular Driven Steel Pile.....	124.76	
			<i>For Piles Driven In Water, Add</i>	36.51	
			<i>For Pulling And Salvage After Use, Add</i>	26.70	
31 62 16 19-0015			VLF 14" Diameter x 72 LB/FT, Unfilled Tubular Driven Steel Pile.....	138.26	
			<i>For Piles Driven In Water, Add</i>	37.86	
			<i>For Pulling And Salvage After Use, Add</i>	26.70	
31 62 16 19-0016			VLF 16" Diameter x 52 LB/FT, Unfilled Tubular Driven Steel Pile.....	108.73	
			<i>For Piles Driven In Water, Add</i>	37.70	
			<i>For Pulling And Salvage After Use, Add</i>	29.81	
31 62 16 19-0017			VLF 16" Diameter x 63 LB/FT, Unfilled Tubular Driven Steel Pile.....	124.52	
			<i>For Piles Driven In Water, Add</i>	39.28	
			<i>For Pulling And Salvage After Use, Add</i>	29.81	
31 62 16 19-0018			VLF 16" Diameter x 83 LB/FT, Unfilled Tubular Driven Steel Pile.....	155.30	
			<i>For Piles Driven In Water, Add</i>	42.36	
			<i>For Pulling And Salvage After Use, Add</i>	29.81	
31 62 16 19-0019			VLF 18" Diameter x 59 LB/FT, Unfilled Tubular Driven Steel Pile.....	134.86	
			<i>For Piles Driven In Water, Add</i>	42.58	
			<i>For Pulling And Salvage After Use, Add</i>	32.33	
31 62 16 19-0020			VLF 18" Diameter x 71 LB/FT, Unfilled Tubular Driven Steel Pile.....	155.37	
			<i>For Piles Driven In Water, Add</i>	44.63	
			<i>For Pulling And Salvage After Use, Add</i>	32.33	
31 62 16 19-0021			VLF 18" Diameter x 93 LB/FT, Unfilled Tubular Driven Steel Pile.....	194.33	
			<i>For Piles Driven In Water, Add</i>	48.53	
			<i>For Pulling And Salvage After Use, Add</i>	32.33	

**31 62 16 19-0022 Splices And Points For Pipe Piles (31 62 16 19)**

**31 62 16 19-0023 Steel Pipe Pile Splices (31 62 16 19-0022)**

31 62 16 19-0024	EA	8" Diameter, Steel Pipe Pile Splice.....		627.83	
31 62 16 19-0025	EA	10" Diameter, Steel Pipe Pile Splice.....		697.39	
31 62 16 19-0026	EA	12" Diameter, Steel Pipe Pile Splice.....		885.08	
31 62 16 19-0027	EA	14" Diameter, Steel Pipe Pile Splice.....		953.68	
31 62 16 19-0028	EA	16" Diameter, Steel Pipe Pile Splice.....		1,184.59	
31 62 16 19-0029	EA	18" Diameter, Steel Pipe Pile Splice.....		1,461.75	

**31 62 16 19-0030 Steel Pipe Standard Pile Points (31 62 16 19-0022)**

31 62 16 19-0031	EA	8" Diameter, Steel Pipe Standard Pile Point.....		579.56	
31 62 16 19-0032	EA	10" Diameter, Steel Pipe Standard Pile Point.....		635.27	
31 62 16 19-0033	EA	12" Diameter, Steel Pipe Standard Pile Point.....		728.93	
31 62 16 19-0034	EA	14" Diameter, Steel Pipe Standard Pile Point.....		882.14	
31 62 16 19-0035	EA	16" Diameter, Steel Pipe Standard Pile Point.....		1,021.42	
31 62 16 19-0036	EA	18" Diameter, Steel Pipe Standard Pile Point.....		1,169.82	

**31 62 16 19-0037 Steel Pipe Heavy Duty Pile Points (31 62 16 19-0022)**

31 62 16 19-0038	EA	10" Diameter, Steel Pipe Heavy Duty Pile Point.....		824.12	
31 62 16 19-0039	EA	12" Diameter, Steel Pipe Heavy Duty Pile Point.....		893.76	
31 62 16 19-0040	EA	14" Diameter, Steel Pipe Heavy Duty Pile Point.....		1,016.20	
31 62 16 19-0041	EA	16" Diameter, Steel Pipe Heavy Duty Pile Point.....		1,294.76	
31 62 16 19-0042	EA	18" Diameter, Steel Pipe Heavy Duty Pile Point.....		1,508.42	

**31 62 23 Composite Piles (31 62)**

**31 62 23 13 Concrete-Filled Steel Piles (31 62 23)**

**31 62 23 13-0001 Concrete-Filled Driven Steel Pipe Piles (31 62 23 13)**

31 62 23 13-0002			VLF 8" Diameter x 29 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	69.75	
			<i>For 5,000 PSI Concrete Grout Fill, Add</i>	7.02	
			<i>For Piles Driven In Water, Add</i>	29.43	
			<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-16.22	

**31 Earthwork****31 60 Special Foundations and Load-bearing Elements****31 62 Driven Piles**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

31 62 23 13-0003	VLF 8" Diameter x 36 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	80.48	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	8.09	
	<i>For Piles Driven In Water, Add</i>	30.50	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-16.22	
31 62 23 13-0004	VLF 8" Diameter x 43 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	92.07	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.25	
	<i>For Piles Driven In Water, Add</i>	31.66	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-16.22	
31 62 23 13-0005	VLF 10" Diameter x 34 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	82.15	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	9.63	
	<i>For Piles Driven In Water, Add</i>	31.17	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-16.58	
31 62 23 13-0006	VLF 10" Diameter x 41 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	92.34	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	10.64	
	<i>For Piles Driven In Water, Add</i>	32.18	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-16.58	
31 62 23 13-0007	VLF 10" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	114.87	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	12.90	
	<i>For Piles Driven In Water, Add</i>	34.44	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-16.58	
31 62 23 13-0008	VLF 12" Diameter x 42 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	98.23	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	12.76	
	<i>For Piles Driven In Water, Add</i>	34.72	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-17.98	
31 62 23 13-0009	VLF 12" Diameter x 50 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	110.16	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	13.95	
	<i>For Piles Driven In Water, Add</i>	35.91	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-17.98	
31 62 23 13-0010	VLF 12" Diameter x 54 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	116.79	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	14.61	
	<i>For Piles Driven In Water, Add</i>	36.57	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-17.98	
31 62 23 13-0011	VLF 12" Diameter x 65 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	135.35	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	16.47	
	<i>For Piles Driven In Water, Add</i>	38.43	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-17.98	
31 62 23 13-0012	VLF 14" Diameter x 46 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	108.49	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	15.37	
	<i>For Piles Driven In Water, Add</i>	39.95	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-21.01	
31 62 23 13-0013	VLF 14" Diameter x 55 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	121.99	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	16.72	
	<i>For Piles Driven In Water, Add</i>	41.30	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-21.01	
31 62 23 13-0014	VLF 14" Diameter x 64 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	135.49	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	18.07	
	<i>For Piles Driven In Water, Add</i>	42.65	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-21.01	
31 62 23 13-0015	VLF 14" Diameter x 72 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	148.99	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	19.42	
	<i>For Piles Driven In Water, Add</i>	44.00	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-21.01	
31 62 23 13-0016	VLF 16" Diameter x 52 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	119.93	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	18.70	
	<i>For Piles Driven In Water, Add</i>	42.83	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-22.27	
31 62 23 13-0017	VLF 16" Diameter x 63 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	135.72	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	20.28	
	<i>For Piles Driven In Water, Add</i>	44.41	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-22.27	
31 62 23 13-0018	VLF 16" Diameter x 83 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	166.50	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	23.35	
	<i>For Piles Driven In Water, Add</i>	47.48	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-22.27	
31 62 23 13-0019	VLF 18" Diameter x 59 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	148.18	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	23.97	
	<i>For Piles Driven In Water, Add</i>	48.15	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-24.07	
31 62 23 13-0020	VLF 18" Diameter x 71 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	168.68	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	26.02	
	<i>For Piles Driven In Water, Add</i>	50.20	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-24.07	
31 62 23 13-0021	VLF 18" Diameter x 93 LB/FT, Concrete-Filled Driven Steel Pipe Pile.....	207.64	
	<i>For 5,000 PSI Concrete Grout Fill, Add</i>	29.91	
	<i>For Piles Driven In Water, Add</i>	54.09	
	<i>For Placement In Casing Pipe (Not Driven), Deduct</i>	-24.07	
31 62 23 13-0022	<b>7 Gauge, Constant Diameter Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
	Note: End bearing, with fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.		
31 62 23 13-0023	VLF 12" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	93.02	
	<i>For Piles Driven In Water, Add</i>	26.52	
31 62 23 13-0024	VLF 14" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	113.29	
	<i>For Piles Driven In Water, Add</i>	29.78	
31 62 23 13-0025	VLF 16" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	128.42	
	<i>For Piles Driven In Water, Add</i>	32.71	
31 62 23 13-0026	VLF 18" Diameter, 7 Gauge, Constant Diameter Concrete-Filled Driven Steel Pile.....	139.71	
	<i>For Piles Driven In Water, Add</i>	35.50	

	MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>31 62 23 13-0027</b>	<b>Tapered Friction Concrete-Filled Driven Steel Piles</b> <small>(31 62 23 13)</small>		
	<small>Note: With fluted steel casing, up to 50'. Includes 4,000 PSI concrete. Excludes reinforcing.</small>		
31 62 23 13-0028	VLF 12" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....		91.20
	<i>For Piles Driven In Water, Add</i>		26.34
31 62 23 13-0029	VLF 14" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....		93.48
	<i>For Piles Driven In Water, Add</i>		27.80
31 62 23 13-0030	VLF 16" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....		114.53
	<i>For Piles Driven In Water, Add</i>		31.33
31 62 23 13-0031	VLF 18" Diameter, 7 Gauge, Tapered Friction Concrete-Filled Driven Steel Pile.....		132.36
	<i>For Piles Driven In Water, Add</i>		34.76

<b>31 62 23 13-0032</b>	<b>Thin Wall Shell Straight Sided Driven Steel Piles</b> <small>(31 62 23 13)</small>		
31 62 23 13-0033	VLF 8" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....		54.12
	<i>For Piles Driven In Water, Add</i>		19.95
	<i>For Thick Wall Shell, Add</i>		0.09
31 62 23 13-0034	VLF 10" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....		59.71
	<i>For Piles Driven In Water, Add</i>		22.11
	<i>For Thick Wall Shell, Add</i>		0.10
31 62 23 13-0035	VLF 12" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....		65.26
	<i>For Piles Driven In Water, Add</i>		24.27
	<i>For Thick Wall Shell, Add</i>		0.11
31 62 23 13-0036	VLF 14" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....		70.87
	<i>For Piles Driven In Water, Add</i>		26.46
	<i>For Thick Wall Shell, Add</i>		0.12
31 62 23 13-0037	VLF 16" Diameter, 16 Gauge, Thin Wall Shell Straight Sided Driven Steel Pile.....		76.48
	<i>For Piles Driven In Water, Add</i>		28.63
	<i>For Thick Wall Shell, Add</i>		0.13

**31 63 Bored Piles** (31 63)

**31 63 33 Drilled Micropiles** (31 63)

<b>31 63 33 00-0001</b>	<b>Screw In Metal Post</b> <small>(31 63 33)</small>		
	<small>Note: Includes all connections, top plates and hardware. Screw-in Metal Post System as manufactured by Techno Metal Post.</small>		
31 63 33 00-0002	EA Mobilization Up To 100 Miles From Certified Installer Location.....		413.37
	<small>Note: Includes delivery, setup/assembly, dismantling/removal and return of equipment.</small>		
	<i>For Each Additional 50 Miles, Add</i>		156.67
31 63 33 00-0003	EA 8" to 12" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'.....		522.15
	<i>For Each Additional Foot Of Post, Add</i>		40.02
31 63 33 00-0004	EA 8" to 12" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'.....		815.85
	<i>For Each Additional Foot Of Post, Add</i>		68.43
31 63 33 00-0005	EA 8" to 12" Helix With P4 (4" Diameter) Galvanized Post Up To 7'.....		951.83
	<i>For Each Additional Foot Of Post, Add</i>		619.92
31 63 33 00-0006	EA 18" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'.....		605.92
	<i>For Each Additional Foot Of Post, Add</i>		40.02
31 63 33 00-0007	EA 18" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'.....		899.64
	<i>For Each Additional Foot Of Post, Add</i>		68.43
31 63 33 00-0008	EA 18" Helix With P4 (4" Diameter) Galvanized Post Up To 7'.....		1,035.60
	<i>For Each Additional Foot Of Post, Add</i>		619.92
31 63 33 00-0009	EA 24" Helix With P2 (2-3/8" Diameter) Galvanized Post Up To 7'.....		644.42
	<i>For Each Additional Foot Of Post, Add</i>		40.02
31 63 33 00-0010	EA 24" Helix With P3 (3-1/2" Diameter) Galvanized Post Up To 7'.....		922.26
	<i>For Each Additional Foot Of Post, Add</i>		68.43
31 63 33 00-0011	EA 24" Helix With P4 (4" Diameter) Galvanized Post Up To 7'.....		1,058.23
	<i>For Each Additional Foot Of Post, Add</i>		619.92
31 63 33 00-0012	EA 8" To 12" Helix Added To Any Size Galvanized Post.....		160.87
31 63 33 00-0013	EA 18" Helix Added To Any Size Galvanized Post.....		203.86
31 63 33 00-0014	EA 24" Helix Added To Any Size Galvanized Post.....		215.17

**END OF SECTION 31**

**31 Earthwork**

**31 60 Special Foundations and Load-bearing Elements**

31 63 Bored Piles

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 32 Exterior Improvements

### 32 01 Operation and Maintenance of Exterior Improvements <sup>(32)</sup>

#### 32 01 11 Paving Cleaning <sup>(32 01)</sup>

##### 32 01 11 53 Paint Removal from Paving <sup>(32 01 11)</sup>

##### 32 01 11 53-0001 Remove Painted Or Epoxy Pavement Markings <sup>(32 01 11 53)</sup>

Note: Includes stripe removal by grinding, vacuuming of removed striped area and containment of debris.

32 01 11 53-0002	LF Removal Of 4" Wide Painted Or Epoxy Pavement Striping .....	3.04	
	For Up To 250, Add	1.52	
	For >250 To 1,000, Add	0.76	
	For >5,000 To 10,000, Deduct	-0.46	
	For >10,000 To 25,000, Deduct	-0.76	
	For >25,000 To 50,000, Deduct	-1.06	
	For >50,000, Deduct	-1.22	
32 01 11 53-0003	LF Removal Of 6" Wide Painted Or Epoxy Pavement Striping .....	3.66	
	For Up To 250, Add	1.83	
	For >250 To 1,000, Add	0.92	
	For >5,000 To 10,000, Deduct	-0.55	
	For >10,000 To 25,000, Deduct	-0.92	
	For >25,000 To 50,000, Deduct	-1.28	
	For >50,000, Deduct	-1.46	
32 01 11 53-0004	LF Removal Of 8" Wide Painted Or Epoxy Pavement Striping .....	4.38	
	For Up To 250, Add	2.19	
	For >250 To 1,000, Add	1.10	
	For >5,000 To 10,000, Deduct	-0.66	
	For >10,000 To 25,000, Deduct	-1.10	
	For >25,000 To 50,000, Deduct	-1.53	
	For >50,000, Deduct	-1.75	
32 01 11 53-0005	LF Removal Of 12" Wide Painted Or Epoxy Pavement Striping .....	5.25	
	For Up To 250, Add	2.63	
	For >250 To 1,000, Add	1.31	
	For >5,000 To 10,000, Deduct	-0.79	
	For >10,000 To 25,000, Deduct	-1.31	
	For >25,000 To 50,000, Deduct	-1.84	
	For >50,000, Deduct	-2.10	
32 01 11 53-0006	SF Removal Of Painted Or Epoxy Pavement Marking, Letters Or Symbols .....	5.25	
	For Up To 250, Add	2.63	
	For >250 To 1,000, Add	1.31	
	For >5,000 To 10,000, Deduct	-0.79	
	For >10,000 To 25,000, Deduct	-1.31	
	For >25,000 To 50,000, Deduct	-1.84	
	For >50,000, Deduct	-2.10	
32 01 11 53-0007	LF Removal Of 4" Wide Thermoplastic Pavement Striping .....	3.91	
	For Up To 250, Add	1.96	
	For >250 To 1,000, Add	0.98	
	For >5,000 To 10,000, Deduct	-0.59	
	For >10,000 To 25,000, Deduct	-0.98	
	For >25,000 To 50,000, Deduct	-1.37	
	For >50,000, Deduct	-1.56	
32 01 11 53-0008	LF Removal Of 6" Wide Thermoplastic Pavement Striping .....	4.62	
	For Up To 250, Add	2.31	
	For >250 To 1,000, Add	1.16	
	For >5,000 To 10,000, Deduct	-0.69	
	For >10,000 To 25,000, Deduct	-1.16	
	For >25,000 To 50,000, Deduct	-1.62	
	For >50,000, Deduct	-1.85	
32 01 11 53-0009	LF Removal Of 8" Wide Thermoplastic Pavement Striping .....	5.58	
	For Up To 250, Add	2.79	
	For >250 To 1,000, Add	1.40	
	For >5,000 To 10,000, Deduct	-0.84	
	For >10,000 To 25,000, Deduct	-1.40	
	For >25,000 To 50,000, Deduct	-1.95	
	For >50,000, Deduct	-2.23	
32 01 11 53-0010	LF Removal Of 12" Wide Thermoplastic Pavement Striping .....	6.68	
	For Up To 250, Add	3.34	
	For >250 To 1,000, Add	1.67	
	For >5,000 To 10,000, Deduct	-1.00	
	For >10,000 To 25,000, Deduct	-1.67	
	For >25,000 To 50,000, Deduct	-2.34	
	For >50,000, Deduct	-2.67	
32 01 11 53-0011	SF Removal Of Thermoplastic Pavement Marking, Letters Or Symbols .....	6.68	
	For Up To 250, Add	3.34	
	For >250 To 1,000, Add	1.67	
	For >5,000 To 10,000, Deduct	-1.00	
	For >10,000 To 25,000, Deduct	-1.67	
	For >25,000 To 50,000, Deduct	-2.34	
	For >50,000, Deduct	-2.67	

#### 32 01 13 Flexible Paving Surface Treatment <sup>(32 01)</sup>

##### 32 01 13 62 Asphalt Surface Treatment <sup>(32 01 13)</sup>

##### 32 01 13 62-0001 Asphalt Seal Coating Minimum <sup>(32 01 13 62)</sup>



**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 13 Flexible Paving Surface Treatment**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

 32 01 13 62-0002 EA Asphalt Seal Coating Minimum Charge .....982.99  
 Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively.  
 This task should not be used in conjunction with any other tasks in this section.
**32 01 13 62-0003 Slurry Seal** (32 01 13 62)

Note: A slurry seal is a cold mixture of asphalt and well-graded fine aggregate. Includes sweeping and cleaning of area.

 32 01 13 62-0004 TON Up To 45 Ton Type II Slurry Seal .....670.76  
 Note: 1/4" thick, 14 to 18 Lbs/SY.

 For >45 To 91, Deduct .....-100.61  
 For >91 To 272, Deduct .....-167.69

 32 01 13 62-0005 TON Up To 45 Ton Type III Slurry Seal .....515.75  
 Note: 3/8" thick, 25 to 30 Lbs/SY.

 For >45 To 91, Deduct .....-77.36  
 For >91 To 272, Deduct .....-128.94
**32 01 13 62-0006 Micro Surfacing** (32 01 13 62)

Note: Micro surfacing is a thin, strong layer of cold mixture asphalt emulsion and additives blended with finely crushed stone for friction characteristics. Includes sweeping and cleaning of area.

32 01 13 62-0007 TON Up To 45 Ton Type II Micro Surfacing .....791.94

 For >45 To 91, Deduct .....-118.79  
 For >91 To 272, Deduct .....-197.99

32 01 13 62-0008 TON Up To 45 Ton Type III Micro Surfacing .....794.25

 For >45 To 91, Deduct .....-119.14  
 For >91 To 272, Deduct .....-198.56

32 01 13 62-0009 TON Up To 45 Ton Rut-Filling Type III Micro Surfacing .....804.58

 For >45 To 91, Deduct .....-120.69  
 For >91 To 272, Deduct .....-201.15

32 01 13 62-0010 TON Up To 45 Ton 6.3 mm Super Thin HMA .....638.01

 For >45 To 91, Deduct .....-95.70  
 For >91 To 272, Deduct .....-159.50
**32 01 16 Flexible Paving Rehabilitation** (32 01)**32 01 16 71 Cold Milling Asphalt Pavement** (32 01 16)**32 01 16 71-0001 Removal Of Asphalt Surface Course** (32 01 16 71)

Note: Includes direct loading into truck.

**32 01 16 71-0002 Limited Production Cold Milling** (32 01 16 71-0001)

Note: For cross sections of roadways, trenching, partial shoulders, and other small or narrow areas. Includes work around man holes, scuppers, drainage structures, catch basins, etc. Includes sweeping and loading into truck. See CSI section 01 74 19 00-0034 for hauling.

32 01 16 71-0003 SY Up To 3" Depth, Limited Cold Milling Of Asphalt .....34.49

 For >100 To 1,000, Deduct .....-17.25  
 For >1,000, Deduct .....-25.87

32 01 16 71-0004 SY &gt;3" To 6" Depth, Limited Cold Milling Of Asphalt .....45.67

 For >100 To 1,000, Deduct .....-22.84  
 For >1,000, Deduct .....-34.25

32 01 16 71-0005 SY &gt;6" To 12" Depth, Limited Cold Milling Of Asphalt .....60.82

 For >100 To 1,000, Deduct .....-30.41  
 For >1,000, Deduct .....-45.62
**32 01 16 71-0006 Grind, Leave In-Place Asphalt Grindings** (32 01 16 71)

Note: For use as subbase material, includes spreading and rolling.

32 01 16 71-0007 SY Grind, Leave In-Place As Subbase Course, 6-9" Depth .....9.58

**32 01 16 74 In Place Hot Reused Asphalt Paving** (32 01 16)**32 01 16 74-0001 Rejuvenate, Respread Asphalt Pavement** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0002 SY Removal, Rejuvenation, And Respreading Of Up To 4" Deep, Asphalt Grindings .....18.05

32 01 16 74-0003 SY Removal, Rejuvenation, And Respreading Of &gt;4" To 6" Deep, Asphalt Grindings .....27.75

32 01 16 74-0004 SY Up To 49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement .....5.70

32 01 16 74-0005 SY &gt;49,993 SY, 3" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement .....5.50

32 01 16 74-0006 SY Up To 49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement .....5.91

32 01 16 74-0007 SY &gt;49,993 SY, 4" Depth, Train Type 1, Cold In Place Recycling Of Bituminous Concrete Pavement .....5.70

32 01 16 74-0008 SY Up To 49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement .....5.00

32 01 16 74-0009 SY &gt;49,993 SY, 3" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement .....4.82

32 01 16 74-0010 SY Up To 49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement .....5.18

32 01 16 74-0011 SY &gt;49,993 SY, 4" Depth, Train Type 2, Cold In Place Recycling Of Bituminous Concrete Pavement .....5.00

**32 01 16 74-0012 Reclamation, Pulverize And Blending With Existing** (32 01 16 74)

Note: Includes direct loading into truck.

32 01 16 74-0013 SY Up To 2" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....18.58

32 01 16 74-0014 SY Up To 2" Thick Pavement, &gt;1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....9.29

32 01 16 74-0015 SY Up To 2" Thick Pavement, &gt;5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....4.64

32 01 16 74-0016 SY Up To 2" Thick Pavement, &gt;15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base .....4.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 01 16 74-0017	SY		>2" To 3" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.07	
32 01 16 74-0018	SY		>2" To 3" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	20.26	
32 01 16 74-0019	SY		>2" To 3" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	10.14	
32 01 16 74-0020	SY		>2" To 3" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	4.77	
32 01 16 74-0021	SY		>3" To 4" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	22.30	
32 01 16 74-0022	SY		>3" To 4" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	11.15	
32 01 16 74-0023	SY		>3" To 4" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.57	
32 01 16 74-0024	SY		>3" To 4" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.14	
32 01 16 74-0025	SY		>4" To 8" Thick Pavement, Up To 1,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	24.32	
32 01 16 74-0026	SY		>4" To 8" Thick Pavement, >1,000 To 5,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	12.16	
32 01 16 74-0027	SY		>4" To 8" Thick Pavement, >5,000 To 15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	6.08	
32 01 16 74-0028	SY		>4" To 8" Thick Pavement, >15,000 SY, Reclamation, Pulverizing And Blending With Existing Base; Aggregate Base.....	5.67	
32 01 16 74-0029	EA		Mobilization And Demobilization For Reclamation, Pulverizing And Blending Crew.....	2,090.11	

**32 01 17 Flexible Paving Repair (32 01)**

See CSI section 32 12 16 00-0000 for large area resurfacing.

**32 01 17 61 Sealing Cracks in Asphalt Paving (32 01 17)**

**32 01 17 61-0001 Hot-Applied, Pourable, Self-Adhesive Asphalt Binder Compounded With Standard Weight Aggregate Longitudinal Crack And Sealing Repair (32 01 17 61)**

Note: Includes removing loose materials and cleaning.

32 01 17 61-0002	LF		Up To 200 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	2.14	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.59	
			For 1" x 1/2" Fill, Add	1.11	
			For Backer Rod, Add	1.25	
32 01 17 61-0003	LF		>200 To 500 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.74	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.49	
			For 1" x 1/2" Fill, Add	0.92	
			For Backer Rod, Add	1.13	
32 01 17 61-0004	LF		>500 To 2,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.39	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.39	
			For 1" x 1/2" Fill, Add	0.75	
			For Backer Rod, Add	1.02	
32 01 17 61-0005	LF		>2,000 To 5,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.20	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.34	
			For 1" x 1/2" Fill, Add	0.65	
			For Backer Rod, Add	0.96	
32 01 17 61-0006	LF		>5,000 To 10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	1.06	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.31	
			For 1" x 1/2" Fill, Add	0.58	
			For Backer Rod, Add	0.91	
32 01 17 61-0007	LF		>10,000 LF Fill Cracks Up To 1/2" x 1/2" With Hot Asphalt Crack Filler.....	0.98	
			Note: Includes air cleaning of cracks. Excludes backer rod where required and routing of crack.		
			For 3/4" x 1/2" Fill, Add	0.28	
			For 1" x 1/2" Fill, Add	0.53	
			For Backer Rod, Add	0.87	
32 01 17 61-0008	LF		Up To 200 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	4.18	
			For 3/8" x 1/4" Fill, Add	0.92	
			For 1/2" x 1/4" Fill, Add	1.67	
			For 1/2" x 1/2" Fill, Add	3.83	
32 01 17 61-0009	LF		>200 To 500 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	3.36	
			For 3/8" x 1/4" Fill, Add	0.75	
			For 1/2" x 1/4" Fill, Add	1.37	
			For 1/2" x 1/2" Fill, Add	3.16	
32 01 17 61-0010	LF		>500 To 2,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.59	
			For 3/8" x 1/4" Fill, Add	0.59	
			For 1/2" x 1/4" Fill, Add	1.08	
			For 1/2" x 1/2" Fill, Add	2.54	
32 01 17 61-0011	LF		>2,000 To 5,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.27	
			For 3/8" x 1/4" Fill, Add	0.52	
			For 1/2" x 1/4" Fill, Add	0.96	
			For 1/2" x 1/2" Fill, Add	2.26	
32 01 17 61-0012	LF		>5,000 To 10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	2.04	
			For 3/8" x 1/4" Fill, Add	0.46	
			For 1/2" x 1/4" Fill, Add	0.85	
			For 1/2" x 1/2" Fill, Add	1.99	
32 01 17 61-0013	LF		>10,000 LF Fill Cracks Up To 1/4" x 1/4" With Cold Pour Rubberized Asphalt Crack Filler.....	1.91	
			For 3/8" x 1/4" Fill, Add	0.43	
			For 1/2" x 1/4" Fill, Add	0.79	
			For 1/2" x 1/2" Fill, Add	1.83	
32 01 17 61-0014	LF		For Routing And Cleaning Of Crack, Add Per 1/2" Depth.....	0.72	

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 17 Flexible Paving Repair**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**32 01 17 63 Flexible Pavement Repair** (32 01 17)**32 01 17 63-0001****Temporary Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 01 17 63-0002	EA	Temporary Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons .....	2,270.94
32 01 17 63-0003	TON	Temporary Pot Hole Repairs With Cold Mix Modified .....	685.79
		Note: Use for each ton over 3 tons.	
32 01 17 63-0004	EA	Temporary Pot Hole Repairs With Cold Mix, Up To 3 Tons .....	2,173.46
32 01 17 63-0005	TON	Temporary Pot Hole Repairs With Cold Mix .....	653.30
		Note: Use for each ton over 3 tons.	
32 01 17 63-0006	EA	Temporary Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....	2,124.73
32 01 17 63-0007	TON	Temporary Pot Hole Repairs With Hot Mix Modified .....	637.05
		Note: Use for each ton over 3 tons.	
32 01 17 63-0008	EA	Temporary Pot Hole Repairs With Hot Mix, Up To 3 Tons .....	2,075.99
32 01 17 63-0009	TON	Temporary Pot Hole Repairs With Hot Mix .....	620.81
		Note: Use for each ton over 3 tons.	

**32 01 17 63-0010****Permanent Pot Hole Repair** (32 01 17 63)

Note: Includes removal of loose material and moisture, saw cutting, chipping, squaring off, bonding agent, compaction and hauling up to 15 miles Tasks do not include signage, barricades, flagmen, field survey or marking. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 01 17 63-0011	EA	Permanent Pot Hole Repairs With Cold Mix Modified, Up To 3 Tons .....	2,469.69
32 01 17 63-0012	TON	Permanent Pot Hole Repairs With Cold Mix Modified .....	803.49
		Note: Use for each ton over 3 tons.	
32 01 17 63-0013	EA	Permanent Pot Hole Repairs With Cold Mix, Up To 3 Tons .....	2,372.21
32 01 17 63-0014	TON	Permanent Pot Hole Repairs With Cold Mix .....	771.00
		Note: Use for each ton over 3 tons.	
32 01 17 63-0015	EA	Permanent Pot Hole Repairs With Hot Mix Modified, Up To 3 Tons .....	2,323.48
32 01 17 63-0016	TON	Permanent Pot Hole Repairs With Hot Mix Modified .....	754.75
		Note: Use for each ton over 3 tons.	
32 01 17 63-0017	EA	Permanent Pot Hole Repairs With Hot Mix, Up To 3 Tons .....	2,274.74
32 01 17 63-0018	TON	Permanent Pot Hole Repairs With Hot Mix .....	738.51
		Note: Use for each ton over 3 tons.	

**32 01 17 63-0019****Asphalt Placement For Small Repairs** (32 01 17 63)

Note: This section is used for placing up to 100 tons of asphalt after a small area of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc. Includes mobilization of paving equipment such as a roller, placing the asphalt, compaction and hauling up to 15 miles. Excludes saw cutting, demolition of existing pavement, and new subbase material. Use approximately 0.055 tons per square yard per inch of depth. See CSI section 02 41 19 13-0001 for saw cutting.

32 01 17 63-0020	EA	Asphalt Placement For Small Repair Areas, Cold Mix Modified, Up To 3 Tons .....	3,111.65
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0021	TON	Asphalt Placement For Small Repair Areas, Cold Mix Modified .....	427.95
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0022	EA	Asphalt Placement For Small Repair Areas, Cold Mix, Up To 3 Tons .....	3,014.17
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0023	TON	Asphalt Placement For Small Repair Areas, Cold Mix .....	395.46
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0024	EA	Asphalt Placement For Small Repair Areas, Hot Mix Modified, Up To 3 Tons .....	2,965.44
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0025	TON	Asphalt Placement For Small Repair Areas, Hot Mix Modified .....	379.21
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0026	EA	Asphalt Placement For Small Repair Areas, Hot Mix, Up To 3 Tons .....	2,916.70
		Note: For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	
32 01 17 63-0027	TON	Asphalt Placement For Small Repair Areas, Hot Mix .....	362.97
		Note: For each ton over 3 to 100 tons. For small areas of existing asphalt is removed to allow work such as trenching across or in a road, excavating a drainage structure, uncovering a utility line, etc.	

**32 01 17 63-0028****Grind Asphalt** (32 01 17 63)

32 01 17 63-0029	SY	Grinding Asphalt To Level Bump Or Raised Area .....	30.58
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**32 01 29 Rigid Paving Repair** (32 01)**32 01 29 61 Partial Depth Patching of Rigid Paving** (32 01 29)**32 01 29 61-0001****Hot Applied Flexible Concrete Repair** (32 01 29 61)

Note: Excludes saw cutting (where required), flagmen.

32 01 29 61-0002	EA	Hot Applied Flexible Concrete Repair Minimum Charge .....	1,498.46
		Note: For projects where the total Hot Applied Flexible Concrete Repair In Asphalt charge is less than the minimum charge, use task "Minimum Charge For Hot Applied Flexible Concrete Repair" exclusively. Task "Minimum Charge For Hot Applied Flexible Concrete Repair" should not be used in conjunction with any other tasks in this section.	
32 01 29 61-0003	SF	Up To 2" Depth, Hot Applied Flexible Concrete Repair .....	73.66
		For >25 SF Quantity, Deduct .....	-7.37

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 01 29 61-0004	SF			>2" To 4" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>	136.60	-13.66
32 01 29 61-0005	SF			>4" To 6" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>	198.84	-19.88
32 01 29 61-0006	SF			>6" To 8" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>	261.06	-26.11
32 01 29 61-0007	SF			>8" To 10" Depth, Hot Applied Flexible Concrete Repair..... <i>For &gt;25 SF Quantity, Deduct</i>	323.31	-32.33
32 01 29 61-0008	CF			>10" Depth, Hot Applied Flexible Concrete Repair.....	384.82	

**32 01 29 61-0009 Cold Applied Flexible Concrete Repair (32 01 29 61)**

32 01 29 61-0010	SF			1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	8.02	
32 01 29 61-0011	SF			1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	11.18	
32 01 29 61-0012	SF			1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	14.50	
32 01 29 61-0013	SF			3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	17.96	
32 01 29 61-0014	SF			1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with water).....	25.43	
32 01 29 61-0015	SF			1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	8.11	
32 01 29 61-0016	SF			1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	11.27	
32 01 29 61-0017	SF			1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	14.59	
32 01 29 61-0018	SF			3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	18.05	
32 01 29 61-0019	SF			1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with SikaLatex R).....	25.52	
32 01 29 61-0020	SF			1/8" To 1/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	8.06	
32 01 29 61-0021	SF			1/4" To 1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	11.23	
32 01 29 61-0022	SF			1/2" To 3/4" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	14.54	
32 01 29 61-0023	SF			3/4" To 1" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	18.00	
32 01 29 61-0024	SF			1" To 1-1/2" Thick, Portland Cement Concrete Patching (SikaRepair-223 mixed with diluted SikaLatex R).....	25.47	

**32 01 90 Operation and Maintenance of Planting (32 01)**

**32 01 90 13 Fertilizing (32 01 90)**

32 01 90 13-0001	MSF			Fertilizer - 2 LB Of Nitrogen/MSF (Granular).....	19.90	
32 01 90 13-0002	MSF			Fertilizer - 2 LB Of Nitrogen/MSF (Liquid).....	15.23	
32 01 90 13-0003	MSF			Fertilizer - 0.5 LB Of Nitrogen/MSF (Granular).....	16.48	
32 01 90 13-0004	MSF			Fertilizer - 0.5 LB Of Nitrogen/MSF (Liquid).....	13.74	

**32 01 90 19 Mowing (32 01 90)**

32 01 90 19-0001	ACR			Vegetation Cutting By Bush Hog..... Note: Includes normal debris removal, cutting, and trimming.	260.97	
				<i>For &lt;1 Acre, Add</i>		65.24

**32 01 90 23 Pruning (32 01 90)**

**32 01 90 23-0001 Tree Pruning (32 01 90 23)**

Note: Types of pruning for mature trees (these standards are established by the ISA - International Society of Arboriculture). Includes loading onto truck or dumpster.

**32 01 90 23-0002 Tree Pruning; Crown Cleaning (32 01 90 23-0001)**

Note: Crown cleaning or cleaning out is the removal of dead, dying, diseased, crowded, weakly attached, and low-vigor branches and waterspouts from a tree crown.

32 01 90 23-0003	EA			1-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	43.80	
32 01 90 23-0004	EA			2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	50.06	
32 01 90 23-0005	EA			2-1/2" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	56.32	
32 01 90 23-0006	EA			3" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	62.57	
32 01 90 23-0007	EA			4" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	95.09	
32 01 90 23-0008	EA			4" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	148.41	
32 01 90 23-0009	EA			6" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	166.42	
32 01 90 23-0010	EA			6" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	282.65	
32 01 90 23-0011	EA			9" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	266.49	
32 01 90 23-0012	EA			9" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	452.13	
32 01 90 23-0013	EA			12" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	307.93	
32 01 90 23-0014	EA			12" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	522.87	
32 01 90 23-0015	EA			18" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	357.96	
32 01 90 23-0016	EA			18" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	607.66	
32 01 90 23-0017	EA			24" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	435.73	
32 01 90 23-0018	EA			24" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	734.97	
32 01 90 23-0019	EA			30" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	541.28	
32 01 90 23-0020	EA			30" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	926.28	
32 01 90 23-0021	EA			36" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	741.37	
32 01 90 23-0022	EA			36" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	1,255.42	
32 01 90 23-0023	EA			48" Caliper, Tree Pruning (Crown Cleaning), By Hand.....	1,176.16	
32 01 90 23-0024	EA			48" Caliper, Tree Pruning (Crown Cleaning), Aerial Lift Equipment.....	2,018.92	

**32 01 90 23-0025 Tree Pruning; Crown Thinning (32 01 90 23-0001)**

Note: Crown thinning includes crown cleaning and the selective removal of branches to increase light penetration and air movement into the crown. Increased light and air stimulates and maintains interior foliage, which in turn improves branch taper and strength. Thinning reduces the wind-sail effect of the crown and the weight of the heavy limbs. Thinning the crown can emphasize the structural beauty of the trunk and branches as well as improve the growth of plants beneath the tree by increasing light penetration. When thinning the crown of mature trees, seldom should more than one-third of the live foliage be removed. At least one-half of the foliage should be on branches that arise in the lower two-thirds of the trees. Likewise, when thinning laterals from a limb, an effort should be made to retain inner lateral branches and leave the same distribution of foliage along the branch. Trees and branches so pruned will have stress more evenly distributed throughout the tree or along a branch.

**32 Exterior Improvements**  
**32 01 Operation and Maintenance of Exterior Improvements**  
**32 01 90 Operation and Maintenance of Planting**

MINOR	TOTAL DIRECT	DEMOLITION
CSI UOM DESCRIPTION	UNIT COST	UNIT COST

32 01 90 23-0026	EA	1-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	53.69	
32 01 90 23-0027	EA	2" Caliper, Tree Pruning (Crown Thinning), By Hand	61.32	
32 01 90 23-0028	EA	2-1/2" Caliper, Tree Pruning (Crown Thinning), By Hand	68.95	
32 01 90 23-0029	EA	3" Caliper, Tree Pruning (Crown Thinning), By Hand	76.71	
32 01 90 23-0030	EA	4" Caliper, Tree Pruning (Crown Thinning), By Hand	116.51	
32 01 90 23-0031	EA	4" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	181.74	
32 01 90 23-0032	EA	6" Caliper, Tree Pruning (Crown Thinning), By Hand	203.86	
32 01 90 23-0033	EA	6" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	346.24	
32 01 90 23-0034	EA	9" Caliper, Tree Pruning (Crown Thinning), By Hand	326.50	
32 01 90 23-0035	EA	9" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	553.85	
32 01 90 23-0036	EA	12" Caliper, Tree Pruning (Crown Thinning), By Hand	377.18	
32 01 90 23-0037	EA	12" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	640.48	
32 01 90 23-0038	EA	18" Caliper, Tree Pruning (Crown Thinning), By Hand	438.50	
32 01 90 23-0039	EA	18" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	744.35	
32 01 90 23-0040	EA	24" Caliper, Tree Pruning (Crown Thinning), By Hand	533.74	
32 01 90 23-0041	EA	24" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	900.38	
32 01 90 23-0042	EA	30" Caliper, Tree Pruning (Crown Thinning), By Hand	663.00	
32 01 90 23-0043	EA	30" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,134.69	
32 01 90 23-0044	EA	36" Caliper, Tree Pruning (Crown Thinning), By Hand	908.16	
32 01 90 23-0045	EA	36" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	1,537.89	
32 01 90 23-0046	EA	48" Caliper, Tree Pruning (Crown Thinning), By Hand	1,440.78	
32 01 90 23-0047	EA	48" Caliper, Tree Pruning (Crown Thinning), Aerial Lift Equipment	2,473.18	

**32 01 90 23-0048 Tree Pruning; Crown Raising (32 01 90 23-0001)**

Note: Crown raising removes the lower branches of a tree in order to provide clearance for buildings, vehicles, pedestrians, and vistas. It is important that a tree have at least one-half of its foliage on branches that originate in the lower two-thirds of its trunk to ensure a well-formed, tapered structure and to uniformly distribute stress within a tree. When pruning for view, it is preferable to develop "windows" through the foliage of the tree, rather than to severely raise or reduce the crown.

32 01 90 23-0049	EA	1-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	59.19	
32 01 90 23-0050	EA	2" Caliper, Tree Pruning (Crown Raising), By Hand	67.58	
32 01 90 23-0051	EA	2-1/2" Caliper, Tree Pruning (Crown Raising), By Hand	76.09	
32 01 90 23-0052	EA	3" Caliper, Tree Pruning (Crown Raising), By Hand	84.47	
32 01 90 23-0053	EA	4" Caliper, Tree Pruning (Crown Raising), By Hand	128.40	
32 01 90 23-0054	EA	4" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	200.40	
32 01 90 23-0055	EA	6" Caliper, Tree Pruning (Crown Raising), By Hand	224.63	
32 01 90 23-0056	EA	6" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	381.58	
32 01 90 23-0057	EA	9" Caliper, Tree Pruning (Crown Raising), By Hand	359.79	
32 01 90 23-0058	EA	9" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	610.38	
32 01 90 23-0059	EA	12" Caliper, Tree Pruning (Crown Raising), By Hand	415.72	
32 01 90 23-0060	EA	12" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	705.92	
32 01 90 23-0061	EA	18" Caliper, Tree Pruning (Crown Raising), By Hand	483.30	
32 01 90 23-0062	EA	18" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	820.39	
32 01 90 23-0063	EA	24" Caliper, Tree Pruning (Crown Raising), By Hand	588.29	
32 01 90 23-0064	EA	24" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	992.24	
32 01 90 23-0065	EA	30" Caliper, Tree Pruning (Crown Raising), By Hand	730.71	
32 01 90 23-0066	EA	30" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,250.44	
32 01 90 23-0067	EA	36" Caliper, Tree Pruning (Crown Raising), By Hand	1,000.90	
32 01 90 23-0068	EA	36" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	1,694.76	
32 01 90 23-0069	EA	48" Caliper, Tree Pruning (Crown Raising), By Hand	1,587.81	
32 01 90 23-0070	EA	48" Caliper, Tree Pruning (Crown Raising), Aerial Lift Equipment	2,725.58	

**32 01 90 23-0071 Tree Pruning; Crown Reduction (32 01 90 23-0001)**

Note: Crown reduction is used to reduce the height and/or spread of a tree. Thinning cuts are most effective in maintaining the structural integrity and natural form of a tree and in delaying the time when it will need to be pruned again. The lateral to which a branch or trunk is cut should be at least one-half the diameter of the cut being made.

32 01 90 23-0072	EA	1-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	63.57	
32 01 90 23-0073	EA	2" Caliper, Tree Pruning (Crown Reduction), By Hand	72.58	
32 01 90 23-0074	EA	2-1/2" Caliper, Tree Pruning (Crown Reduction), By Hand	81.72	
32 01 90 23-0075	EA	3" Caliper, Tree Pruning (Crown Reduction), By Hand	90.73	
32 01 90 23-0076	EA	4" Caliper, Tree Pruning (Crown Reduction), By Hand	137.91	
32 01 90 23-0077	EA	4" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	215.24	
32 01 90 23-0078	EA	6" Caliper, Tree Pruning (Crown Reduction), By Hand	241.27	
32 01 90 23-0079	EA	6" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	409.84	
32 01 90 23-0080	EA	9" Caliper, Tree Pruning (Crown Reduction), By Hand	386.45	
32 01 90 23-0081	EA	9" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	655.61	
32 01 90 23-0082	EA	12" Caliper, Tree Pruning (Crown Reduction), By Hand	446.51	
32 01 90 23-0083	EA	12" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	758.21	
32 01 90 23-0084	EA	18" Caliper, Tree Pruning (Crown Reduction), By Hand	519.09	
32 01 90 23-0085	EA	18" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	881.16	
32 01 90 23-0086	EA	24" Caliper, Tree Pruning (Crown Reduction), By Hand	631.84	
32 01 90 23-0087	EA	24" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,065.73	
32 01 90 23-0088	EA	30" Caliper, Tree Pruning (Crown Reduction), By Hand	784.89	
32 01 90 23-0089	EA	30" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,343.15	
32 01 90 23-0090	EA	36" Caliper, Tree Pruning (Crown Reduction), By Hand	1,074.97	
32 01 90 23-0091	EA	36" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	1,820.39	
32 01 90 23-0092	EA	48" Caliper, Tree Pruning (Crown Reduction), By Hand	1,705.45	
32 01 90 23-0093	EA	48" Caliper, Tree Pruning (Crown Reduction), Aerial Lift Equipment	2,927.39	



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**32 01 90 23-0094 Tree Pruning; Crown Restoration (32 01 90 23-0001)**  
 Note: Crown restoration can improve the structure and appearance of trees that have been topped or severely pruned using heading cuts. One to three sprouts on main branch stubs should be selected to reform a more natural appearing crown. Selected vigorous sprouts may need to be thinned to a lateral, or even headed, to control length growth in order to ensure adequate attachment for the size of the sprout. Restoration may require several prunings over a number of years.

32 01 90 23-0095	EA 1-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	72.96	
32 01 90 23-0096	EA 2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	83.47	
32 01 90 23-0097	EA 2-1/2" Caliper, Tree Pruning (Crown Restoration), By Hand.....	93.86	
32 01 90 23-0098	EA 3" Caliper, Tree Pruning (Crown Restoration), By Hand.....	104.24	
32 01 90 23-0099	EA 4" Caliper, Tree Pruning (Crown Restoration), By Hand.....	158.43	
32 01 90 23-0100	EA 4" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	247.31	
32 01 90 23-0101	EA 6" Caliper, Tree Pruning (Crown Restoration), By Hand.....	277.31	
32 01 90 23-0102	EA 6" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	471.03	
32 01 90 23-0103	EA 9" Caliper, Tree Pruning (Crown Restoration), By Hand.....	444.13	
32 01 90 23-0104	EA 9" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	753.54	
32 01 90 23-0105	EA 12" Caliper, Tree Pruning (Crown Restoration), By Hand.....	513.22	
32 01 90 23-0106	EA 12" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	871.40	
32 01 90 23-0107	EA 18" Caliper, Tree Pruning (Crown Restoration), By Hand.....	596.56	
32 01 90 23-0108	EA 18" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	1,012.73	
32 01 90 23-0109	EA 24" Caliper, Tree Pruning (Crown Restoration), By Hand.....	726.20	
32 01 90 23-0110	EA 24" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	1,224.99	
32 01 90 23-0111	EA 30" Caliper, Tree Pruning (Crown Restoration), By Hand.....	902.16	
32 01 90 23-0112	EA 30" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	1,543.83	
32 01 90 23-0113	EA 36" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,235.67	
32 01 90 23-0114	EA 36" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	2,092.44	
32 01 90 23-0115	EA 48" Caliper, Tree Pruning (Crown Restoration), By Hand.....	1,960.24	
32 01 90 23-0116	EA 48" Caliper, Tree Pruning (Crown Restoration), Aerial Lift Equipment .....	3,364.93	

**32 01 90 23-0117 Shrub Pruning (32 01 90 23)**

32 01 90 23-0118	MSF Shrub Pruning, Prune, Shrub Bed.....	142.60	
32 01 90 23-0119	EA Shrub Pruning, Prune, Shrub Under 3' Height.....	5.00	
32 01 90 23-0120	EA Shrub Pruning, Prune, Shrub 4' Height.....	11.26	
32 01 90 23-0121	EA Shrub Pruning, Prune, Shrub Over 6' .....	20.02	
32 01 90 23-0122	EA Shrub Pruning, Prune Trees From Ground.....	50.06	
32 01 90 23-0123	EA Shrub Pruning, Prune Trees From Ground, High Work.....	125.14	

**32 01 90 26 Watering (32 01 90)**  
 Note: Includes delivered water. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant.

**32 01 90 26-0001 Watering Lawns, Plants And Trees (32 01 90 26)**  
 Note: Includes delivered water and watering truck. Not to be used as basis if watering with irrigation system or on-site owner provided water from hose or hydrant. These tasks are to be used as requested by the owner for extended watering period for lawns, plants and trees.

32 01 90 26-0002	MSF Watering Sod/Grass, Per Inch Of Water.....	55.78	
32 01 90 26-0003	CSF Watering Groundcover.....	8.68	
32 01 90 26-0004	CSF Watering Annuals And Perennials .....	15.47	
32 01 90 26-0005	EA Watering Trees, 1-1/2" To 5" Diameter By Hand .....	30.09	
32 01 90 26-0006	EA Watering Trees, 6" To 12" Diameter By Hand .....	39.53	
32 01 90 26-0007	EA Watering Trees, 13" To 18" Diameter By Hand .....	48.99	
32 01 90 26-0008	EA Watering Trees, >18" Diameter By Hand.....	60.31	
32 01 90 26-0009	EA Watering Shrub Or Bush By Hand.....	15.11	

**32 01 90 36 Weed and Brush Control (32 01 90)**

**32 01 90 36-0001 Herbicide, Push Or Hand Spreader Applied (32 01 90 36)**

32 01 90 36-0002	MSF Non-Selective Post Emergent Weed Herbicide (70.4 oz/acre or 1.62 oz/MSF).....	11.38	
	For >45 To 90, Deduct	-0.61	
	For >90 To 225, Deduct	-1.75	
	For >225 To 870, Deduct	-2.89	
	For >870, Deduct	-3.50	
32 01 90 36-0003	MSF Non-Selective Post Emergent Woody Brush And Tree Herbicide (128 oz/acre or 2.94 oz/MSF).....	12.06	
	For >45 To 90, Deduct	-0.68	
	For >90 To 225, Deduct	-1.88	
	For >225 To 870, Deduct	-3.09	
	For >870, Deduct	-3.77	
32 01 90 36-0004	MSF Selective Weed Herbicide (56 oz/Acre or 1.28 oz/MSF).....	12.01	
	Note: Includes pre and post emergent.		
	For >45 To 90, Deduct	-0.67	
	For >90 To 225, Deduct	-1.87	
	For >225 To 870, Deduct	-3.08	
	For >870, Deduct	-3.75	
32 01 90 36-0005	MSF Selective Woody Brush And Tree Herbicide (72 oz/acre or 1.65 oz/MSF).....	12.43	
	Note: Includes pre and post emergents.		
	For >45 To 90, Deduct	-0.72	
	For >90 To 225, Deduct	-1.96	
	For >225 To 870, Deduct	-3.20	
	For >870, Deduct	-3.92	

**32 01 90 39 Pesticides (32 01 90)**

32 01 90 39-0001	MSF Pesticide - Surface Eating .....	15.68	
32 01 90 39-0002	MSF Pesticide - Subsurface Eating.....	15.72	

**32 Exterior Improvements****32 01 Operation and Maintenance of Exterior Improvements****32 01 90 Operation and Maintenance of Planting**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 01 90 39-0003 MSF Pesticide - Fungicide Application ..... 16.65

**32 01 90 43 Weed and Cultivate Beds (32 01 90)**
 32 01 90 43-0001 MSF Weed Mulched Bed ..... 61.64  
 32 01 90 43-0002 MSF Weed Unmulched Bed ..... 176.10  
 32 01 90 43-0003 MSF Cultivate Bed ..... 94.82
**32 01 90 46 Hedge Trimming (32 01 90)**
 32 01 90 46-0001 LF Trim 0-5' High Hedge, 0-3' Wide ..... 8.16  
 32 01 90 46-0002 LF Trim 0-5' High Hedge, 4-6' Wide ..... 12.24  
 32 01 90 46-0003 LF Trim 5-10' High Hedge, 0-3' Wide ..... 18.53  
 32 01 90 46-0004 LF Trim 5-10' High Hedge, 4-6' Wide ..... 18.88
**32 01 90 53 Plant Growth Regulator Application (32 01 90)**

32 01 90 53-0001 EA Plant Growth Regulator Application ..... 8.20

**32 10 Bases, Ballasts, and Paving (32)****32 11 Base Courses (32 10)****32 11 16 Subbase Courses (32 11)****32 11 16 16 Aggregate Subbase Courses (32 11 16)****32 11 16 16-0001 Base And Subbase Courses For Roadways And Parking Areas (32 11 16 16)**

Note: Includes 3/4" To 1-1/2" aggregate material, hauling up to 15 miles, dumping, spreading, grading, compacting and watering. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

**32 11 16 16-0002 Base And Subbase Courses By The CY (32 11 16 16-0001)**
 32 11 16 16-0003 CY Graded Crushed Aggregate Roadway Base Course ..... 141.87  
 For Limestone, Deduct ..... -13.35
**32 11 23 Aggregate Base Courses (32 11)****32 11 23 16 Aggregate Base Courses (32 11 23)****32 11 23 16-0001 Base Courses For Sidewalk (Asphalt Or Concrete) (32 11 23 16)**

Note: Includes material, hauling up to 15 miles, placement, spreading, grading, and compaction. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

 32 11 23 16-0002 SF 2" Crushed Aggregate Base Course For Sidewalks ..... 0.84  
 For Up To 1,000, Add ..... 0.23  
 For >1,000 To 2,500, Add ..... 0.08  
 32 11 23 16-0003 SF 3" Crushed Aggregate Base Course For Sidewalks ..... 1.17  
 For Up To 1,000, Add ..... 0.32  
 For >1,000 To 2,500, Add ..... 0.12  
 32 11 23 16-0004 SF 4" Crushed Aggregate Base Course For Sidewalks ..... 1.52  
 For Up To 1,000, Add ..... 0.42  
 For >1,000 To 2,500, Add ..... 0.15  
 32 11 23 16-0005 SF 5" Crushed Aggregate Base Course For Sidewalks ..... 1.95  
 For Up To 1,000, Add ..... 0.54  
 For >1,000 To 2,500, Add ..... 0.20  
 32 11 23 16-0006 SF 6" Crushed Aggregate Base Course For Sidewalks ..... 2.41  
 For Up To 1,000, Add ..... 0.67  
 For >1,000 To 2,500, Add ..... 0.24  
 32 11 23 16-0007 SF 7" Crushed Aggregate Base Course For Sidewalks ..... 2.78  
 For Up To 1,000, Add ..... 0.77  
 For >1,000 To 2,500, Add ..... 0.28  
 32 11 23 16-0008 SF 8" Crushed Aggregate Base Course For Sidewalks ..... 3.15  
 For Up To 1,000, Add ..... 0.87  
 For >1,000 To 2,500, Add ..... 0.32
**32 12 Flexible Paving (32 10)****32 12 13 Preparatory Coats (32 12)****32 12 13 13 Tack Coats (32 12 13)**
 32 12 13 13-0001 SY Tack Coat, 0.04 Gallon/SY ..... 0.73  
 For Up To 150, Add ..... 0.14  
 For >150 To 300, Add ..... 0.07  
 For >300 To 500, Add ..... 0.04  
 For >3,500 To 5,000, Deduct ..... -0.02  
 For >5,000, Deduct ..... -0.04  
 32 12 13 13-0002 SY Tack Coat, 0.05 Gallon/SY ..... 0.80  
 For Up To 150, Add ..... 0.15  
 For >150 To 300, Add ..... 0.08  
 For >300 To 500, Add ..... 0.04  
 For >3,500 To 5,000, Deduct ..... -0.02  
 For >5,000, Deduct ..... -0.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 13 13-0003	SY		Tack Coat, 0.07 Gallon/SY .....	0.93	
			<i>For Up To 150, Add</i> .....	0.19	
			<i>For &gt;150 To 300, Add</i> .....	0.09	
			<i>For &gt;300 To 500, Add</i> .....	0.05	
			<i>For &gt;3,500 To 5,000, Deduct</i> .....	-0.02	
			<i>For &gt;5,000, Deduct</i> .....	-0.06	
32 12 13 13-0004	SY		Tack Coat, 0.08 Gallon/SY .....	1.00	
			<i>For Up To 150, Add</i> .....	0.20	
			<i>For &gt;150 To 300, Add</i> .....	0.10	
			<i>For &gt;300 To 500, Add</i> .....	0.05	
			<i>For &gt;3,500 To 5,000, Deduct</i> .....	-0.03	
			<i>For &gt;5,000, Deduct</i> .....	-0.06	
32 12 13 13-0005	SY		Tack Coat, 0.10 Gallon/SY .....	1.14	
			<i>For Up To 150, Add</i> .....	0.24	
			<i>For &gt;150 To 300, Add</i> .....	0.11	
			<i>For &gt;300 To 500, Add</i> .....	0.06	
			<i>For &gt;3,500 To 5,000, Deduct</i> .....	-0.03	
			<i>For &gt;5,000, Deduct</i> .....	-0.07	
32 12 13 13-0006	SY		Tack Coat, 0.11 Gallon/SY .....	1.20	
			<i>For Up To 150, Add</i> .....	0.25	
			<i>For &gt;150 To 300, Add</i> .....	0.12	
			<i>For &gt;300 To 500, Add</i> .....	0.06	
			<i>For &gt;3,500 To 5,000, Deduct</i> .....	-0.03	
			<i>For &gt;5,000, Deduct</i> .....	-0.08	

**32 12 13 16 Asphaltic Tack Coats (32 12 13)**

Note: Cost includes furnishing, heating, hauling and applying up to 4,000 liters up to 40 Kilometers from approved plant.

32 12 13 16-0001			<b>Asphaltic Tack Coats (32 12 13 16)</b>		
			Note: Cost includes furnishing, heating, hauling and applying up to 4000 liters up to 40 Kilometers from approved plant.		
32 12 13 16-0002	GAL		Asphalt Emulsion Tack Coat; NYSDOT HFMS-2h.....	8.06	
32 12 13 16-0003	GAL		Asphalt Emulsion Tack Coat; NYSDOT SS-1h.....	7.02	
32 12 13 16-0004	GAL		Asphalt Emulsion Tack Coat; NYSDOT CSS-1h.....	4.95	

**32 12 13 19 Prime Coats (32 12 13)**

32 12 13 19-0001	SY		Surface Prime Coat, 0.26 Gallon/SY .....	1.98	
			<i>For Up To 150, Add</i> .....	0.44	
			<i>For &gt;150 To 300, Add</i> .....	0.20	
			<i>For &gt;300 To 500, Add</i> .....	0.10	
			<i>For &gt;3,500 To 5,000, Deduct</i> .....	-0.05	
			<i>For &gt;5,000, Deduct</i> .....	-0.13	
32 12 13 19-0002	SY		Surface Prime Coat, 0.28 Gallon/SY .....	2.09	
			<i>For Up To 150, Add</i> .....	0.47	
			<i>For &gt;150 To 300, Add</i> .....	0.21	
			<i>For &gt;300 To 500, Add</i> .....	0.10	
			<i>For &gt;3,500 To 5,000, Deduct</i> .....	-0.05	
			<i>For &gt;5,000, Deduct</i> .....	-0.14	
32 12 13 19-0003	SY		Surface Prime Coat, 0.30 Gallon/SY .....	2.19	
			<i>For Up To 150, Add</i> .....	0.49	
			<i>For &gt;150 To 300, Add</i> .....	0.22	
			<i>For &gt;300 To 500, Add</i> .....	0.11	
			<i>For &gt;3,500 To 5,000, Deduct</i> .....	-0.05	
			<i>For &gt;5,000, Deduct</i> .....	-0.15	

**32 12 16 Asphalt Paving (32 12)**

**32 12 16 13 Plant-Mix Asphalt Paving (32 12 16)**

Note: Includes delivery up to 15 miles, placement, rolling, finishing and sweeping. Excludes base, tack or price coat, seal coats and roadway fabrics (where required). See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 32 11 00 00-0000 for base courses, 32 12 13 13-0000 for tack coats, 32 12 13 19-0000 for prime coats, 32 12 16 39-0000 for roadway fabrics, 32 12 36 00-0000 for seal coats.

32 12 16 13-0001			<b>Bituminous Concrete Paving (32 12 16 13)</b>		
32 12 16 13-0002	TON		Bituminous Stabilized Course .....	180.14	
32 12 16 13-0003	TON		Type 1 Base.....	193.63	
32 12 16 13-0004	TON		Type 1 Base Recycled.....	193.63	
32 12 16 13-0005	TON		Type 2 Base.....	186.88	
32 12 16 13-0006	TON		Type 3 Binder .....	204.58	
32 12 16 13-0007	TON		Type 3 Binder Recycled.....	204.58	
32 12 16 13-0008	TON		Type 5 Shim.....	241.67	
32 12 16 13-0009	TON		Type 6 Top .....	217.06	
32 12 16 13-0010	TON		Type 6 Top Recycled .....	217.06	
32 12 16 13-0011	TON		Type 6F Top (High Friction) Marshall Design .....	217.06	
32 12 16 13-0012	TON		Type 6F2 High Volume .....	217.06	
32 12 16 13-0013	TON		Type 6F3 High Volume .....	217.06	
32 12 16 13-0014	TON		Type 7 Top .....	224.31	
32 12 16 13-0015	TON		Type 7F Top (High Friction) Marshall Design .....	224.31	
32 12 16 13-0016	TON		Type 7F2 High Volume .....	224.31	
32 12 16 13-0017	TON		Type 7F3 High Volume .....	224.31	
32 12 16 13-0018	TON		Superpave Downstate High Volume 9.5mm F1 .....	241.84	
			Note: Includes nuclear density monitoring.		
32 12 16 13-0019	TON		Superpave Upstate High Volume 9.5mm F2 .....	241.84	
			Note: Includes nuclear density monitoring.		
32 12 16 13-0020	TON		Superpave Low Volume 9.5mm F3.....	241.84	
			Note: Includes nuclear density monitoring.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 12 Flexible Paving**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 12 16 13-0021	TON		Superpave Downstate High Volume 12.5mm F1 ..... Note: Includes nuclear density monitoring.	233.68	
32 12 16 13-0022	TON		Superpave Upstate High Volume 12.5mm F2, 402-098301M..... Note: Includes nuclear density monitoring.	233.68	
32 12 16 13-0023	TON		Superpave Upstate Low Volume 12.5mm F3, 402-098301M ..... Note: Includes nuclear density monitoring.	233.68	
32 12 16 13-0024	TON		Superpave HMA 19.0mm F9, 402.198901M..... Note: Includes nuclear density monitoring.	221.17	
<b>32 12 16 13-0025</b>			<b>Hand Placed, Hot Mix Asphalt (HMA)</b> <sup>(32 12 16 13)</sup>		
32 12 16 13-0026	TON		Hand Placed Hot Mixed Asphalt 3,954 LB/CY ..... Note: For small areas not reachable by machine. Includes placement, rolling, finishing and sweeping.	481.61	
<b>32 12 16 19</b>			<b>Cold-Mix Asphalt Paving</b> <sup>(32 12 16)</sup>		
<b>32 12 16 19-0001</b>			<b>Cold Mix Asphalt (CMA) Pavement</b> <sup>(32 12 16 19)</sup> Note: 0.5 Gal asphalt/SY per inch depth; well graded granular aggregate.		
32 12 16 19-0002	SY		Cold Laid Asphalt Pavement, Traveling Plant Mixed In Windrows, Compacted 4" Course.....	17.05	
32 12 16 19-0003	SY		Cold Laid Asphalt Pavement, Rotary Plant Mixed In Place, Compacted 4" Course.....	16.57	
32 12 16 19-0004	SY		Cold Laid Asphalt Pavement, Central Stationary Plant, Mixed, Compacted 4" Course .....	26.45	
<b>32 12 16 39</b>			<b>Paving Fabrics</b> <sup>(32 12 16)</sup> See CSI section 31 32 19 16-0000 for geotextile fabric.		
<b>32 12 16 39-0001</b>			<b>Geotextile Paving Fabrics</b> <sup>(32 12 16 39)</sup>		
32 12 16 39-0002	SY		3.6 Ounce/SY, 90 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-38A/O) .....	2.01	
			For Up To 50, Add	0.46	
			For >50 To 150, Add	0.34	
			For >150 To 250, Add	0.22	
			For >250 To 500, Add	0.11	
32 12 16 39-0003	SY		4.1 Ounce/SY, 101 LB Grab Tensile Nonwoven Polypropylene Geotextile Paving Fabric (Carthage Mills FX-42 A/O) .....	2.16	
			For Up To 50, Add	0.49	
			For >50 To 150, Add	0.36	
			For >150 To 250, Add	0.24	
			For >250 To 500, Add	0.12	
<b>32 12 36</b>			<b>Seal Coats</b> <sup>(32 12)</sup> See CSI section 32 01 13 62-0000 for slurry seal.		
<b>32 12 36 13</b>			<b>Asphaltic Seal and Fog Coats</b> <sup>(32 12 36)</sup>		
<b>32 12 36 13-0001</b>			<b>Asphalt Emulsion Seal Coat, PMCRS-2h (Chip Seal)</b> <sup>(32 12 36 13)</sup> Note: A chip seal is an application of asphalt binder followed by placement of a layer of aggregate chips, and then rolled to embed the aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0002	SY		Up To 200 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	7.61	
32 12 36 13-0003	SY		>200 To 500 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.86	
32 12 36 13-0004	SY		>500 To 1,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.49	
32 12 36 13-0005	SY		>1,000 To 5,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	6.05	
32 12 36 13-0006	SY		>5,000 To 10,000 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.82	
32 12 36 13-0007	SY		>10,000 To 20,000 SY Chip Seal, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal) .....	5.50	
32 12 36 13-0008	SY		>20,00 SY, PMCRS-2h, Asphalt Emulsion Seal Coat (Chip Seal).....	5.28	
<b>32 12 36 13-0009</b>			<b>Fog Seal, CQS-1h</b> <sup>(32 12 36 13)</sup> Note: A fog seal is a light application of diluted, slow-setting asphalt emulsion without aggregate cover. Includes sweeping and cleaning of area.		
32 12 36 13-0010	SY		Up To 200 SY, CQS-1h, Fog Seal .....	2.25	
32 12 36 13-0011	SY		>200 To 500 SY, CQS-1h, Fog Seal.....	1.60	
32 12 36 13-0012	SY		>500 To 1,000 SY, CQS-1h, Fog Seal.....	1.35	
32 12 36 13-0013	SY		>1,000 To 5,000 SY, CQS-1h, Fog Seal.....	1.14	
32 12 36 13-0014	SY		>5,000 To 10,000 SY, CQS-1h, Fog Seal.....	1.03	
32 12 36 13-0015	SY		>10,000 To 20,000 SY, CQS-1h, Fog Seal.....	0.94	
32 12 36 13-0016	SY		>20,000 To 50,000 SY, CQS-1h, Fog Seal.....	0.86	
32 12 36 13-0017	SY		>50,000 SY, CQS-1h, Fog Seal.....	0.83	
<b>32 12 36 13-0018</b>			<b>Sand Sealer</b> <sup>(32 12 36 13)</sup> Note: A sand seal is an application of asphalt binder followed by placement of a layer of sand or fine aggregate, and then rolled to embed the sand or fine aggregate into the binder. Includes sweeping and cleaning of area.		
32 12 36 13-0019	SY		Up To 200 SY, Sand Seal.....	3.31	
32 12 36 13-0020	SY		>200 To 500 SY, Sand Seal .....	2.17	
32 12 36 13-0021	SY		>500 To 1,000 SY, Sand Seal .....	2.15	
32 12 36 13-0022	SY		>1,000 To 5,000 SY, Sand Seal .....	1.88	
32 12 36 13-0023	SY		>5,000 To 10,000 SY, Sand Seal .....	1.74	
32 12 36 13-0024	SY		>10,000 To 20,000 SY, Sand Seal .....	1.62	
32 12 36 13-0025	SY		>20,000 To 50,000 SY, Sand Seal .....	1.53	
32 12 36 13-0026	SY		>50,000 SY, Sand Seal .....	1.50	
<b>32 12 43</b>			<b>Porous Flexible Paving</b> <sup>(32 12)</sup>		
<b>32 12 43 00-0001</b>			<b>Flexible Recycled Plastic Porous Grid</b> <sup>(32 12 43)</sup> Note: Includes sand fill in rings. Excludes base, earth work and grass or sod.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 12 43 00-0002	SY		1" Thick, Recycled Plastic Flexible Pavement With Sand Fill .....43.01 Note: Includes sand fill in rings. Excludes base, earth work and grass or sod. Invisible Structures, Inc.; Grasspave2.		
			For Up To 100, Add	14.79	
			For >100 To 500, Add	3.77	
			For >1,000 To 5,000, Deduct	-1.62	
			For >5,000, Deduct	-3.23	

**32 12 73 Asphalt Paving Joint Sealants (32 12)**

32 12 73 00-0001			Expansion Joint In Sidewalk (32 12 73)		
32 12 73 00-0002	LF		For Hot Asphalt Poured Over Expansion Joint In Sidewalk .....4.45		

**32 13 Rigid Paving (32 10)**

**32 13 13 Concrete Paving (32 13)**

Note: The following section includes spreading and placing delivered Portland cement concrete mix.

**32 13 13 33 Plain Concrete Paving (32 13 13)**

**32 13 13 33-0001 Concrete Paving Assemblies (32 13 13 33)**

Includes forms, wire mesh (where necessary), two mat layers #3-#6 reinforcing rods at 12" on center with chairs (where necessary), vapor barrier, concrete, curing, latex or hot asphalt expansion joints, control joints, screed, float and finish. Excludes excavation, base and earthwork. Includes concrete paving machine. To be used for roadways, driveways, parking areas, or other areas of vehicular traffic. See CSI section 03 05 13 00-0001 for color additive.

**32 13 13 33-0002 4,500 PSI Concrete Paving Assembly (32 13 13 33-0001)**

32 13 13 33-0003	SY		4" 4,500 PSI Concrete Paving Assembly .....67.29		
			For 2,500 PSI Concrete, Deduct	-3.17	
			For 3,000 PSI Concrete, Deduct	-2.06	
			For 3,500 PSI Concrete, Deduct	-1.65	
			For 4,000 PSI Concrete, Deduct	-0.72	
			For 5,000 PSI Concrete, Add	0.44	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	3.58	
			For <12' Wide Pass, Add	12.69	
			For 24' Or Greater Wide Pass, Deduct	-13.46	
			For Slipforming, Deduct	-6.73	
			For Up To 100, Add	29.36	
			For >100 To 250, Add	16.06	
			For >250 To 500, Add	8.03	
			For >1,000 To 2,000, Deduct	-1.38	
			For >2,000 To 5,000, Deduct	-3.06	
			For >5,000 To 10,000, Deduct	-4.74	
			For >10,000 To 20,000, Deduct	-6.42	
			For >20,000, Deduct	-8.11	
32 13 13 33-0004	SY		5" 4,500 PSI Concrete Paving Assembly .....78.74		
			For 2,500 PSI Concrete, Deduct	-3.97	
			For 3,000 PSI Concrete, Deduct	-2.59	
			For 3,500 PSI Concrete, Deduct	-2.07	
			For 4,000 PSI Concrete, Deduct	-0.90	
			For 5,000 PSI Concrete, Add	0.55	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.49	
			For <12' Wide Pass, Add	14.50	
			For 24' Or Greater Wide Pass, Deduct	-15.75	
			For Slipforming, Deduct	-7.87	
			For Up To 100, Add	33.42	
			For >100 To 250, Add	18.44	
			For >250 To 500, Add	9.22	
			For >1,000 To 2,000, Deduct	-1.73	
			For >2,000 To 5,000, Deduct	-3.70	
			For >5,000 To 10,000, Deduct	-5.67	
			For >10,000 To 20,000, Deduct	-7.63	
			For >20,000, Deduct	-9.60	
32 13 13 33-0005	SY		6" 4,500 PSI Concrete Paving Assembly .....84.31		
			For 2,500 PSI Concrete, Deduct	-4.19	
			For 3,000 PSI Concrete, Deduct	-2.73	
			For 3,500 PSI Concrete, Deduct	-2.19	
			For 4,000 PSI Concrete, Deduct	-0.95	
			For 5,000 PSI Concrete, Add	0.58	
			For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	4.74	
			For <12' Wide Pass, Add	15.61	
			For 24' Or Greater Wide Pass, Deduct	-16.86	
			For Slipforming, Deduct	-8.43	
			For Up To 100, Add	36.01	
			For >100 To 250, Add	19.83	
			For >250 To 500, Add	9.91	
			For >1,000 To 2,000, Deduct	-1.82	
			For >2,000 To 5,000, Deduct	-3.93	
			For >5,000 To 10,000, Deduct	-6.04	
			For >10,000 To 20,000, Deduct	-8.15	
			For >20,000, Deduct	-10.25	



**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 13 Rigid Paving**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 13 13 33-0006	SY 7" 4,500 PSI Concrete Paving Assembly.....	98.99	
	For 2,500 PSI Concrete, Deduct	-5.29	
	For 3,000 PSI Concrete, Deduct	-3.45	
	For 3,500 PSI Concrete, Deduct	-2.76	
	For 4,000 PSI Concrete, Deduct	-1.20	
	For 5,000 PSI Concrete, Add	0.74	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	5.98	
	For <12' Wide Pass, Add	17.85	
	For 24' Or Greater Wide Pass, Deduct	-19.80	
	For Slipforming, Deduct	-9.90	
	For Up To 100, Add	41.01	
	For >100 To 250, Add	22.80	
	For >250 To 500, Add	11.40	
	For >1,000 To 2,000, Deduct	-2.30	
	For >2,000 To 5,000, Deduct	-4.77	
	For >5,000 To 10,000, Deduct	-7.25	
	For >10,000 To 20,000, Deduct	-9.72	
	For >20,000, Deduct	-12.20	
32 13 13 33-0007	SY 8" 4,500 PSI Concrete Paving Assembly.....	114.08	
	For 2,500 PSI Concrete, Deduct	-5.80	
	For 3,000 PSI Concrete, Deduct	-3.78	
	For 3,500 PSI Concrete, Deduct	-3.03	
	For 4,000 PSI Concrete, Deduct	-1.31	
	For 5,000 PSI Concrete, Add	0.81	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	6.56	
	For <12' Wide Pass, Add	20.95	
	For 24' Or Greater Wide Pass, Deduct	-22.82	
	For Slipforming, Deduct	-11.41	
	For Up To 100, Add	48.26	
	For >100 To 250, Add	26.66	
	For >250 To 500, Add	13.33	
	For >1,000 To 2,000, Deduct	-2.52	
	For >2,000 To 5,000, Deduct	-5.38	
	For >5,000 To 10,000, Deduct	-8.23	
	For >10,000 To 20,000, Deduct	-11.08	
	For >20,000, Deduct	-13.93	
32 13 13 33-0008	SY 9" 4,500 PSI Concrete Paving Assembly.....	128.56	
	For 2,500 PSI Concrete, Deduct	-6.71	
	For 3,000 PSI Concrete, Deduct	-4.37	
	For 3,500 PSI Concrete, Deduct	-3.50	
	For 4,000 PSI Concrete, Deduct	-1.52	
	For 5,000 PSI Concrete, Add	0.93	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	7.58	
	For <12' Wide Pass, Add	23.39	
	For 24' Or Greater Wide Pass, Deduct	-25.71	
	For Slipforming, Deduct	-12.86	
	For Up To 100, Add	53.81	
	For >100 To 250, Add	29.82	
	For >250 To 500, Add	14.91	
	For >1,000 To 2,000, Deduct	-2.92	
	For >2,000 To 5,000, Deduct	-6.13	
	For >5,000 To 10,000, Deduct	-9.34	
	For >10,000 To 20,000, Deduct	-12.56	
	For >20,000, Deduct	-15.77	
32 13 13 33-0009	SY 10" 4,500 PSI Concrete Paving Assembly.....	143.66	
	For 2,500 PSI Concrete, Deduct	-7.38	
	For 3,000 PSI Concrete, Deduct	-4.81	
	For 3,500 PSI Concrete, Deduct	-3.85	
	For 4,000 PSI Concrete, Deduct	-1.67	
	For 5,000 PSI Concrete, Add	1.03	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	8.34	
	For <12' Wide Pass, Add	26.29	
	For 24' Or Greater Wide Pass, Deduct	-28.73	
	For Slipforming, Deduct	-14.37	
	For Up To 100, Add	60.54	
	For >100 To 250, Add	33.48	
	For >250 To 500, Add	16.74	
	For >1,000 To 2,000, Deduct	-3.21	
	For >2,000 To 5,000, Deduct	-6.80	
	For >5,000 To 10,000, Deduct	-10.39	
	For >10,000 To 20,000, Deduct	-13.98	
	For >20,000, Deduct	-17.57	
32 13 13 33-0010	SY 12" 4,500 PSI Concrete Paving Assembly.....	171.39	
	For 2,500 PSI Concrete, Deduct	-8.73	
	For 3,000 PSI Concrete, Deduct	-5.70	
	For 3,500 PSI Concrete, Deduct	-4.56	
	For 4,000 PSI Concrete, Deduct	-1.97	
	For 5,000 PSI Concrete, Add	1.22	
	For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add	9.87	
	For <12' Wide Pass, Add	31.46	
	For 24' Or Greater Wide Pass, Deduct	-34.28	
	For Slipforming, Deduct	-17.14	
	For Up To 100, Add	72.45	
	For >100 To 250, Add	40.02	
	For >250 To 500, Add	20.01	
	For >1,000 To 2,000, Deduct	-3.80	
	For >2,000 To 5,000, Deduct	-8.08	
	For >5,000 To 10,000, Deduct	-12.37	
	For >10,000 To 20,000, Deduct	-16.65	
	For >20,000, Deduct	-20.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 13 13 33-0011	SY		15" 4,500 PSI Concrete Paving Assembly.....	219.91	
			<i>For 2,500 PSI Concrete, Deduct</i>	-10.72	
			<i>For 3,000 PSI Concrete, Deduct</i>	-6.99	
			<i>For 3,500 PSI Concrete, Deduct</i>	-5.60	
			<i>For 4,000 PSI Concrete, Deduct</i>	-2.42	
			<i>For 5,000 PSI Concrete, Add</i>	1.49	
			<i>For High Sulfate Resistance, Type 5 Cement Concrete ASTM C150, Add</i>	12.12	
			<i>For &lt;12' Wide Pass, Add</i>	40.99	
			<i>For 24' Or Greater Wide Pass, Deduct</i>	-43.98	
			<i>For Slipforming, Deduct</i>	-21.99	
			<i>For Up To 100, Add</i>	94.64	
			<i>For &gt;100 To 250, Add</i>	51.98	
			<i>For &gt;250 To 500, Add</i>	25.99	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.66	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-10.16	
			<i>For &gt;5,000 To 10,000, Deduct</i>	-15.66	
			<i>For &gt;10,000 To 20,000, Deduct</i>	-21.16	
			<i>For &gt;20,000, Deduct</i>	-26.65	
<b>32 13 16</b>			<b>Decorative Concrete Paving (32 13)</b>		
<b>32 13 16 13</b>			<b>Patterned Concrete Paving (32 13 16)</b>		
32 13 16 13-0001	SF		For Patterned (Tactile) Finish In Concrete Sidewalk.....	6.47	
<b>32 13 43</b>			<b>Pervious Concrete Paving (32 13)</b>		
<b>32 13 43 00-0001</b>			<b>Pervious Concrete Assemblies (32 13 43)</b>		
			Note: Pervious concrete is a special concrete mix with high porosity that allows water to pass through it. For paving and sidewalks.		
32 13 43 00-0002	SF		6" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	21.41	
			Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
			<i>For &gt;5,000 To 30,000, Deduct</i>	-2.33	
			<i>For &gt;30,000 To 100,000, Deduct</i>	-4.33	
			<i>For &gt;100,000, Deduct</i>	-5.37	
32 13 43 00-0003	SF		9" Thick, 15-25% Porosity, Minimum 115 PCF, Pervious Concrete Paving.....	26.86	
			Note: Includes filter fabric, concrete, curing, finish, and control joints. Excludes excavation, base, forms and expansion joints along existing.		
			<i>For &gt;5,000 To 30,000, Deduct</i>	-2.85	
			<i>For &gt;30,000 To 100,000, Deduct</i>	-5.20	
			<i>For &gt;100,000, Deduct</i>	-6.46	
<b>32 13 73</b>			<b>Concrete Paving Joint Sealants (32 13)</b>		
<b>32 13 73 13</b>			<b>Fuel-Resistant Concrete Paving Joint Sealants (32 13 73)</b>		
32 13 73 13-0001			<b>Concrete Pavement Joint And Crack Repair (32 13 73 13)</b>		
			Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 13-0002			<b>Silicone Concrete Pavement Joint And Crack Repair (32 13 73 13-0001)</b>		
32 13 73 13-0003	CLF		1/4" x 1/4" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	771.24	
			<i>For Custom Match Coloring, Add</i>	21.94	
			<i>For 1 Part Mildew Resistant, Add</i>	31.99	
			<i>For High-Modulus Non-Acid Curing, Add</i>	18.28	
32 13 73 13-0004	CLF		1/4" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	862.27	
			<i>For Custom Match Coloring, Add</i>	32.91	
			<i>For 1 Part Mildew Resistant, Add</i>	47.99	
			<i>For High-Modulus Non-Acid Curing, Add</i>	27.42	
32 13 73 13-0005	CLF		1/4" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	953.30	
			<i>For Custom Match Coloring, Add</i>	43.88	
			<i>For 1 Part Mildew Resistant, Add</i>	63.99	
			<i>For High-Modulus Non-Acid Curing, Add</i>	36.56	
32 13 73 13-0006	CLF		3/8" x 3/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	976.15	
			<i>For Custom Match Coloring, Add</i>	49.36	
			<i>For 1 Part Mildew Resistant, Add</i>	71.98	
			<i>For High-Modulus Non-Acid Curing, Add</i>	41.13	
32 13 73 13-0007	CLF		3/8" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	1,067.36	
			<i>For Custom Match Coloring, Add</i>	65.81	
			<i>For 1 Part Mildew Resistant, Add</i>	95.98	
			<i>For High-Modulus Non-Acid Curing, Add</i>	54.84	
32 13 73 13-0008	CLF		3/8" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	1,158.58	
			<i>For Custom Match Coloring, Add</i>	82.27	
			<i>For 1 Part Mildew Resistant, Add</i>	119.97	
			<i>For High-Modulus Non-Acid Curing, Add</i>	68.56	
32 13 73 13-0009	CLF		3/8" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	1,272.46	
			<i>For Custom Match Coloring, Add</i>	98.72	
			<i>For 1 Part Mildew Resistant, Add</i>	143.97	
			<i>For High-Modulus Non-Acid Curing, Add</i>	82.27	
32 13 73 13-0010	CLF		1/2" x 1/2" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	1,181.43	
			<i>For Custom Match Coloring, Add</i>	87.75	
			<i>For 1 Part Mildew Resistant, Add</i>	127.97	
			<i>For High-Modulus Non-Acid Curing, Add</i>	73.13	
32 13 73 13-0011	CLF		1/2" x 5/8" Joint, Silicone Concrete Pavement Joint And Crack Repair.....	1,363.48	
			<i>For Custom Match Coloring, Add</i>	109.69	
			<i>For 1 Part Mildew Resistant, Add</i>	159.96	
			<i>For High-Modulus Non-Acid Curing, Add</i>	91.41	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 13 Rigid Paving**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 13 73 13-0012	CLF 1/2" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,500.22	
	<i>For Custom Match Coloring, Add</i>	131.63	
	<i>For 1 Part Mildew Resistant, Add</i>	191.96	
	<i>For High-Modulus Non-Acid Curing, Add</i>	109.69	
32 13 73 13-0013	CLF 1/2" x 7/8" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,636.95	
	<i>For Custom Match Coloring, Add</i>	153.57	
	<i>For 1 Part Mildew Resistant, Add</i>	223.95	
	<i>For High-Modulus Non-Acid Curing, Add</i>	127.97	
32 13 73 13-0014	CLF 1/2" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,751.02	
	<i>For Custom Match Coloring, Add</i>	175.50	
	<i>For 1 Part Mildew Resistant, Add</i>	255.94	
	<i>For High-Modulus Non-Acid Curing, Add</i>	146.25	
32 13 73 13-0015	CLF 3/4" x 3/4" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	1,865.08	
	<i>For Custom Match Coloring, Add</i>	197.44	
	<i>For 1 Part Mildew Resistant, Add</i>	287.93	
	<i>For High-Modulus Non-Acid Curing, Add</i>	164.53	
32 13 73 13-0016	CLF 3/4" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	2,230.33	
	<i>For Custom Match Coloring, Add</i>	274.22	
	<i>For 1 Part Mildew Resistant, Add</i>	399.91	
	<i>For High-Modulus Non-Acid Curing, Add</i>	228.52	
32 13 73 13-0017	CLF 1" x 1" Joint, Silicone Concrete Pavement Joint And Crack Repair .....	2,595.59	
	<i>For Custom Match Coloring, Add</i>	351.01	
	<i>For 1 Part Mildew Resistant, Add</i>	511.89	
	<i>For High-Modulus Non-Acid Curing, Add</i>	292.51	

**32 13 73 16 Field-Molded Concrete Paving Joint Sealants (32 13 73)**

32 13 73 16-0001	Preformed Elastomeric Concrete Pavement Joint And Crack Repair (32 13 73 16)		
	Note: Includes cutting joint, removal of existing material, sweeping and cleaning area.		
32 13 73 16-0002	LF Joint Sealing, Concrete Pavement Preformed Elastomeric .....	17.67	

**32 13 73 19 Compression Concrete Paving Joint Sealants (32 13 73)**

32 13 73 19-0001	Silicone Joint Sealant For Concrete Pavement (32 13 73 19)		
	Note: Installation includes high pressure water wash, sand blast, sweeping, cleaning area, backer rod and Dow Corning 888 silicone sealant. Demolition includes removal of existing material where saw cutting is not required. Excludes saw cutting.		
32 13 73 19-0002	LF 1/4" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	14.65	3.42
32 13 73 19-0003	LF 3/8" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	15.35	3.49
32 13 73 19-0004	LF 1/2" x 1/4" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	16.31	3.56
32 13 73 19-0005	LF 3/4" x 3/8" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	19.35	3.63
32 13 73 19-0006	LF 1" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	22.45	3.71
32 13 73 19-0007	LF 1-1/2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	28.40	3.78
32 13 73 19-0008	LF 2" x 1/2" Expansion And Contraction Silicone Joint Sealant For Concrete Pavement .....	41.54	3.86

**32 14 Unit Paving (32 10)****32 14 09 Paver Restraints (32 14)**

32 14 09 00-0001	Paver Restraints (32 14 09)		
	Note: Paver restraints are used along the edge of a group of pavers as a locking border. Flexible or rigid sections. Includes stakes and connecting devices. Excludes pavers, bedding, excavation, base course and compaction.		
32 14 09 00-0002	LF Up To 2" Height, Vinyl Paver Restraint .....	5.86	1.55
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.74	
	<i>For &gt;2,000 To 4,000, Deduct</i>	-1.08	
	<i>For &gt;4,000, Deduct</i>	-1.38	
32 14 09 00-0003	LF Up To 2" Height, Galvanized Steel Paver Restraint .....	6.31	1.55
	<i>For &gt;500 To 1,000, Deduct</i>	-0.19	
	<i>For &gt;1,000 To 2,000, Deduct</i>	-0.38	
	<i>For &gt;2,000, Deduct</i>	-0.57	
32 14 09 00-0004	LF Up To 1" Height, Aluminum Paver Restraint .....	6.08	1.55
	<i>For &gt;250 To 500, Deduct</i>	-0.36	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.54	
	<i>For &gt;1,000 To 1,500, Deduct</i>	-0.90	
32 14 09 00-0005	LF >1" To 2" Height, Aluminum Paver Restraint .....	7.09	1.55
	<i>For &gt;250 To 500, Deduct</i>	-0.46	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.69	
	<i>For &gt;1,000 To 1,500, Deduct</i>	-1.15	
32 14 09 00-0006	LF >2" To 3" Height, Aluminum Paver Restraint .....	9.03	1.55
	<i>For &gt;250 To 500, Deduct</i>	-0.65	
	<i>For &gt;500 To 1,000, Deduct</i>	-0.98	
	<i>For &gt;1,000 To 1,500, Deduct</i>	-1.64	
32 14 09 00-0007	LF >3" To 4" Height, Aluminum Paver Restraint .....	10.51	1.55
	<i>For &gt;250 To 500, Deduct</i>	-0.80	
	<i>For &gt;500 To 1,000, Deduct</i>	-1.20	
	<i>For &gt;1,000 To 1,500, Deduct</i>	-2.01	

**32 14 11 Bedding for Unit Paving (32 14)**

32 14 11 00-0001	Bedding For Brick, Precast Concrete Paver And Stone Sidewalk (32 14 11)		
	Note: Includes delivery up to 15 miles from the closest approved source, the cost for loading, and dumping. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 14 11 00-0002	SF		1" To 2" Sand Bedding, Screeded .....	1.29	
			<i>For Up To 100, Add</i>	0.58	
			<i>For &gt;100 To 500, Add</i>	0.17	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000, Deduct</i>	-0.16	
32 14 11 00-0003	SF		1" To 2" Stone Dust Bedding, Screeded .....	1.49	
			<i>For Up To 100, Add</i>	0.63	
			<i>For &gt;100 To 500, Add</i>	0.18	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000, Deduct</i>	-0.17	
32 14 11 00-0004	SF		3" Stone Dust Bedding, Screeded .....	1.90	
			<i>For Up To 100, Add</i>	0.78	
			<i>For &gt;100 To 500, Add</i>	0.22	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.12	
			<i>For &gt;5,000, Deduct</i>	-0.20	
32 14 11 00-0005	SF		4" Stone Dust Bedding, Screeded .....	2.39	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 500, Add</i>	0.27	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.15	
			<i>For &gt;5,000, Deduct</i>	-0.25	
32 14 11 00-0006	SF		1" Mortar Bedding .....	3.95	
			<i>For Up To 100, Add</i>	1.83	
			<i>For &gt;100 To 500, Add</i>	0.53	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.34	
			<i>For &gt;5,000, Deduct</i>	-0.52	
32 14 11 00-0007	SF		2" Mortar Bedding .....	5.63	
			<i>For Up To 100, Add</i>	2.53	
			<i>For &gt;100 To 500, Add</i>	0.73	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.45	
			<i>For &gt;5,000, Deduct</i>	-0.71	
32 14 11 00-0008	SF		Thin-Set Latex Portland Cement Mortar .....	2.09	
			<i>For Up To 100, Add</i>	0.97	
			<i>For &gt;100 To 500, Add</i>	0.28	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.18	
			<i>For &gt;5,000, Deduct</i>	-0.28	

**32 14 13 Precast Concrete Unit Paving (32 14)**

**32 14 13 16 Precast Concrete Unit Paving Slabs (32 14 13)**

**32 14 13 16-0001 Precast Concrete Paver Sidewalk (32 14 13 16)**

Note: Square, rectangular, or interlocking pervious pavers. Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.

32 14 13 16-0002	SF		2-3/8" Thick, Up To 32 SI Precast Concrete Paver .....	13.08	4.18
			Note: Includes 2-1/2" x 5", 4" x 4", 4" x 6", 5" x 5", 4" x 8" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	1.12	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.80	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.07	
			<i>For Up To 100, Add</i>	5.37	
			<i>For &gt;100 To 500, Add</i>	1.50	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.84	
			<i>For &gt;5,000, Deduct</i>	-1.40	
32 14 13 16-0003	SF		2-3/8" Thick, >32 to 64 SI Precast Concrete Paver .....	12.31	3.83
			Note: Includes 5" x 7", 6" x 6", 8" x 8" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	1.08	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.74	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	1.00	
			<i>For Up To 100, Add</i>	4.99	
			<i>For &gt;100 To 500, Add</i>	1.38	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.76	
			<i>For &gt;5,000, Deduct</i>	-1.29	
32 14 13 16-0004	SF		2-3/8" Thick, >64 to 144 SI Precast Concrete Paver .....	11.62	3.04
			Note: Includes 6" x 12", 12" x 12" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	1.05	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.69	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.93	
			<i>For Up To 100, Add</i>	4.64	
			<i>For &gt;100 To 500, Add</i>	1.28	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.70	
			<i>For &gt;5,000, Deduct</i>	-1.18	
32 14 13 16-0005	SF		2-3/8" Thick, >144 SI Precast Concrete Paver .....	10.98	3.16
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
			<i>For 2-3/4" Concrete Paver, Add</i>	1.02	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.64	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.86	
			<i>For Up To 100, Add</i>	4.32	
			<i>For &gt;100 To 500, Add</i>	1.18	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.63	
			<i>For &gt;5,000, Deduct</i>	-1.09	
32 14 13 16-0006	SF		2-3/8" Thick, Precast Concrete Paver, Combinations And Patterns .....	11.95	3.64
			Note: Patterns made by combining pavers from two or more size groups.		
			<i>For 2-3/4" Concrete Paver, Add</i>	1.06	
			<i>For 3-1/8" Concrete Paver, Add</i>	1.71	
			<i>For Cement/Sand Mix Or Polymeric Sand Joints, Add</i>	0.96	
			<i>For Up To 100, Add</i>	4.81	
			<i>For &gt;100 To 500, Add</i>	1.33	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.73	
			<i>For &gt;5,000, Deduct</i>	-1.23	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 14 Unit Paving**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 14 13 19 Porous Precast Concrete Unit Paving (32 14 13)**

32 14 13 19-0001	Turf Block (32 14 13 19)		
	Note: Grass grid, open-cell unit paver, geoblock.		
32 14 13 19-0002	SF 3-1/8" Thick, Precast Concrete Turf Block .....	14.09	3.64
	For Up To 100, Add	5.34	
	For >100 To 500, Add	1.43	
	For >1,000 To 5,000, Deduct	-0.73	
	For >5,000, Deduct	-1.30	

**32 14 16 Brick Unit Paving (32 14)**

32 14 16 00-0001	Brick Paver Sidewalk (32 14 16)		
	Note: Includes sand joints. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course.		
32 14 16 00-0002	SF 4" x 8" x 2-1/4" Brick Paver, Laid Flat .....	17.36	4.18
	For 1-3/8" Thick Paver, Deduct	-3.55	
	For 2-3/4" Thick Paver (Vehicular), Add	8.06	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.29	
	For Up To 100, Add	6.44	
	For >100 To 500, Add	1.71	
	For >1,000 To 5,000, Deduct	-0.84	
	For >5,000, Deduct	-1.53	
32 14 16 00-0003	SF 4" x 8" x 2-1/4" Brick, Laid On Edge .....	25.48	4.79
	For 1-3/8" Thick Paver, Deduct	-6.05	
	For 2-3/4" Thick Paver (Vehicular), Add	14.05	
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.75	
	For Up To 100, Add	8.76	
	For >100 To 500, Add	2.23	
	For >1,000 To 5,000, Deduct	-0.96	
	For >5,000, Deduct	-1.91	

**32 14 33 Plastic Paving (32 14)****32 14 33 13 Permeable Plastic Paving (32 14 33)**

32 14 33 13-0001	Turf Block Plastic Paving (32 14 33 13)		
32 14 33 13-0002	SF 4" Thick Recycled Polyvinyl Chloride (PVC) Plastic Turf Block .....	20.79	3.64
	For Up To 100, Add	7.02	
	For >100 To 500, Add	1.77	
	For >1,000 To 5,000, Deduct	-0.73	
	For >5,000, Deduct	-1.50	

**32 14 40 Stone Paving (32 14)**

32 14 40 00-0001	Slate Paver Sidewalk (32 14 40)		
	Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.		
32 14 40 00-0002	SF 1" Thick, Up to 54 SI Slate Paver .....	17.79	3.48
	Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.24	
	For 1/4" Thick Paver, Deduct	-8.68	
	For 1/2" Thick Paver, Deduct	-6.03	
	For Up To 100, Add	6.19	
	For >100 To 500, Add	1.58	
	For >1,000 To 5,000, Deduct	-0.70	
	For >5,000, Deduct	-1.37	
32 14 40 00-0003	SF 1" Thick, >54 to 108 SI Slate Paver .....	17.15	3.16
	Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.17	
	For 1/4" Thick Paver, Deduct	-8.52	
	For 1/2" Thick Paver, Deduct	-5.93	
	For Up To 100, Add	5.87	
	For >100 To 500, Add	1.49	
	For >1,000 To 5,000, Deduct	-0.63	
	For >5,000, Deduct	-1.27	
32 14 40 00-0004	SF 1" Thick, >108 to 216 SI Slate Paver .....	16.06	2.60
	Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.06	
	For 1/4" Thick Paver, Deduct	-8.24	
	For 1/2" Thick Paver, Deduct	-5.77	
	For Up To 100, Add	5.32	
	For >100 To 500, Add	1.33	
	For >1,000 To 5,000, Deduct	-0.52	
	For >5,000, Deduct	-1.11	
32 14 40 00-0005	SF 1" Thick, >216 SI Slate Paver .....	15.59	2.37
	Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24", 24" x 36", 36" x 36" and other similar size pavers.		
	For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.02	
	For 1/4" Thick Paver, Deduct	-8.13	
	For 1/2" Thick Paver, Deduct	-5.70	
	For Up To 100, Add	5.09	
	For >100 To 500, Add	1.25	
	For >1,000 To 5,000, Deduct	-0.48	
	For >5,000, Deduct	-1.04	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 14 40 00-0006	SF		1" Thick, Slate Paver, Combinations And Patterns.....	16.55	2.86
			Note: Patterns made by combining pavers from two or more size groups.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.11	
			For 1/4" Thick Paver, Deduct	-8.37	
			For 1/2" Thick Paver, Deduct	-5.84	
			For Up To 100, Add	5.57	
			For >100 To 500, Add	1.40	
			For >1,000 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-1.18	

**32 14 40 00-0007 Granite Paver Sidewalk (32 14 40)**

Note: Includes sand joints and all finishes. Excludes bedding, excavation, base course and compaction. See CSI section 31 23 16 00-0000 for excavation, 32 11 23 16-0001 for base course, 32 14 11 00-0001 for bedding.

32 14 40 00-0008	SF		1" Thick, Up to 54 SI Granite Paver .....	31.30	3.48
			Note: Includes 3" x 9", 6" x 6", 6" x 9" and other similar size pavers.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.91	
			For 2" Granite Paver, Add	1.57	
			For 3" Granite Paver, Add	3.13	
			For 4" Granite Paver, Add	3.48	
			For Up To 100, Add	9.56	
			For >100 To 500, Add	2.26	
			For >1,000 To 5,000, Deduct	-0.70	
			For >5,000, Deduct	-1.77	

32 14 40 00-0009	SF		1" Thick, >54 to 108 SI Granite Paver .....	30.66	3.16
			Note: Includes 6" x 12", 9" x 9", 6" x 18", 9" x 12" and other similar size pavers.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.85	
			For 2" Granite Paver, Add	1.53	
			For 3" Granite Paver, Add	3.07	
			For 4" Granite Paver, Add	3.38	
			For Up To 100, Add	9.24	
			For >100 To 500, Add	2.16	
			For >1,000 To 5,000, Deduct	-0.63	
			For >5,000, Deduct	-1.68	

32 14 40 00-0010	SF		1" Thick, >108 to 216 SI Granite Paver .....	29.57	2.60
			Note: Includes 12" x 12", 6" x 24", 9" x 18", 9" x 24", 12" x 18" and other similar size pavers.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.74	
			For 2" Granite Paver, Add	1.48	
			For 3" Granite Paver, Add	2.96	
			For 4" Granite Paver, Add	3.22	
			For Up To 100, Add	8.70	
			For >100 To 500, Add	2.00	
			For >1,000 To 5,000, Deduct	-0.52	
			For >5,000, Deduct	-1.51	

32 14 40 00-0011	SF		1" Thick, >216 SI Granite Paver .....	29.10	2.37
			Note: Includes 16" x 16", 12" x 24", 18" x 18", 24" x 24" and other similar size pavers.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.69	
			For 2" Granite Paver, Add	1.46	
			For 3" Granite Paver, Add	2.91	
			For 4" Granite Paver, Add	3.15	
			For Up To 100, Add	8.46	
			For >100 To 500, Add	1.93	
			For >1,000 To 5,000, Deduct	-0.48	
			For >5,000, Deduct	-1.44	

32 14 40 00-0012	SF		1" Thick, Granite Paver, Combinations And Patterns .....	30.06	2.86
			Note: Patterns made by combining pavers from two or more size groups.		
			For Cement/Sand Mix Or Polymeric Sand Joints, Add	1.79	
			For 2" Granite Paver, Add	1.50	
			For 3" Granite Paver, Add	3.01	
			For 4" Granite Paver, Add	3.29	
			For Up To 100, Add	8.94	
			For >100 To 500, Add	2.07	
			For >1,000 To 5,000, Deduct	-0.57	
			For >5,000, Deduct	-1.59	

**32 16 Curbs, Gutters, Sidewalks, and Driveways (32 10)**

**32 16 13 Curbs and Gutters (32 16)**

Note: Includes transitions. Demolition Includes two saw cuts (each end) of curbs and gutters for lengths up to 100'. See CSI section 02 41 19 13-0001 for additional saw cuts within the 100'.

**32 16 13 13 Cast-In-Place Concrete Curbs and Gutters (32 16 13)**

Note: Includes concrete, forms, rebar (where required), rebar chairs (where necessary), expansion joints, finish and curing.

**32 16 13 13-0001 Cast In Place Concrete Curb And Gutter Assemblies (32 16 13 13)**

Note: Includes concrete, forms, rebar, chairs (where necessary), transitions, expansion joints, finish and curing.

32 16 13 13-0002	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	35.93	16.44
			For Up To 20, Add	24.44	
			For >20 To 50, Add	13.66	
			For >50 To 100, Add	5.39	
			For >500 To 1,000, Deduct	-4.67	
			For >1,000, Deduct	-7.91	
			For Mountable Or Rolled Curb And Gutter, Add	2.48	
32 16 13 13-0003	LF		6" x 12" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	39.03	21.92
			For Up To 20, Add	26.57	
			For >20 To 50, Add	14.86	
			For >50 To 100, Add	5.85	
			For >500 To 1,000, Deduct	-5.10	
			For >1,000, Deduct	-8.63	
			For Mountable Or Rolled Curb And Gutter, Add	2.74	

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 16 Curbs, Gutters, Sidewalks, and Driveways**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0004	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	44.98	18.22
			<i>For Up To 20, Add</i>	30.62	
			<i>For &gt;20 To 50, Add</i>	17.13	
			<i>For &gt;50 To 100, Add</i>	6.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.88	
			<i>For &gt;1,000, Deduct</i>	-9.94	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.15	
32 16 13 13-0005	LF		6" x 18" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	49.57	20.28
			<i>For Up To 20, Add</i>	33.78	
			<i>For &gt;20 To 50, Add</i>	18.91	
			<i>For &gt;50 To 100, Add</i>	7.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.52	
			<i>For &gt;1,000, Deduct</i>	-11.02	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.54	
32 16 13 13-0006	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	54.02	21.92
			<i>For Up To 20, Add</i>	36.80	
			<i>For &gt;20 To 50, Add</i>	20.59	
			<i>For &gt;50 To 100, Add</i>	8.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.08	
			<i>For &gt;1,000, Deduct</i>	-11.98	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.82	
32 16 13 13-0007	LF		6" x 24" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	60.11	24.66
			<i>For Up To 20, Add</i>	41.00	
			<i>For &gt;20 To 50, Add</i>	22.96	
			<i>For &gt;50 To 100, Add</i>	9.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.94	
			<i>For &gt;1,000, Deduct</i>	-13.41	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.34	
32 16 13 13-0008	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	63.78	26.02
			<i>For Up To 20, Add</i>	43.47	
			<i>For &gt;20 To 50, Add</i>	24.34	
			<i>For &gt;50 To 100, Add</i>	9.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.40	
			<i>For &gt;1,000, Deduct</i>	-14.19	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	4.56	
32 16 13 13-0009	LF		6" x 30" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	69.99	28.77
			<i>For Up To 20, Add</i>	47.75	
			<i>For &gt;20 To 50, Add</i>	26.75	
			<i>For &gt;50 To 100, Add</i>	10.50	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.25	
			<i>For &gt;1,000, Deduct</i>	-15.63	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	5.07	
32 16 13 13-0010	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	73.52	30.14
			<i>For Up To 20, Add</i>	50.14	
			<i>For &gt;20 To 50, Add</i>	28.08	
			<i>For &gt;50 To 100, Add</i>	11.03	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.70	
			<i>For &gt;1,000, Deduct</i>	-16.39	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	5.30	
32 16 13 13-0011	LF		6" x 36" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	79.85	32.88
			<i>For Up To 20, Add</i>	54.49	
			<i>For &gt;20 To 50, Add</i>	30.53	
			<i>For &gt;50 To 100, Add</i>	11.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.57	
			<i>For &gt;1,000, Deduct</i>	-17.85	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	5.80	
32 16 13 13-0012	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Straight.....	83.26	34.25
			<i>For Up To 20, Add</i>	56.81	
			<i>For &gt;20 To 50, Add</i>	31.83	
			<i>For &gt;50 To 100, Add</i>	12.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.01	
			<i>For &gt;1,000, Deduct</i>	-18.60	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	6.04	
32 16 13 13-0013	LF		6" x 42" Cast In Place Concrete Gutter With 6" Curb And Face - Radius.....	92.46	38.35
			<i>For Up To 20, Add</i>	63.15	
			<i>For &gt;20 To 50, Add</i>	35.41	
			<i>For &gt;50 To 100, Add</i>	13.87	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.30	
			<i>For &gt;1,000, Deduct</i>	-20.75	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	6.81	
32 16 13 13-0014	LF		Type M100G Concrete Curb And Gutter With Anchors.....	81.41	26.02
			<i>For Up To 50, Add</i>	14.91	
			<i>For Up To 20, Add</i>	54.26	
			<i>For &gt;20 To 50, Add</i>	29.84	
			<i>For &gt;50 To 100, Add</i>	12.21	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.49	
			<i>For &gt;1,000, Deduct</i>	-16.27	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.92	
32 16 13 13-0015	LF		Type VF150G Concrete Curb And Gutter With Anchors.....	81.54	26.02
			<i>For Up To 50, Add</i>	14.91	
			<i>For Up To 20, Add</i>	54.34	
			<i>For &gt;20 To 50, Add</i>	29.88	
			<i>For &gt;50 To 100, Add</i>	12.23	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.50	
			<i>For &gt;1,000, Deduct</i>	-16.28	
			<i>For Mountable Or Rolled Curb And Gutter, Add</i>	3.91	

32 16 13 13-0016 Curb Anchors (32 16 13 13)

32 16 13 13-0017 EA Curb Anchor For New Construction Placed During New Construction .....41.27

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 13-0018	EA		Curb Anchor For Existing Pavement Placed In Existing Concrete..... Note: Includes drilling, grouting and corrosion resistant epoxy coated bar.	98.39	
<b>32 16 13 13-0019</b>			<b>Cast In Place Concrete Curbs Assemblies</b> (32 16 13 13) Note: Includes delivered concrete, forms, rebar, chairs (where necessary), expansion joints, finish and curing.		
32 16 13 13-0020	LF		6" x 12" Cast In Place Concrete Curb..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	26.52 1.83 15.92 9.02 3.45 -3.45 -5.84	13.28
32 16 13 13-0021	LF		6" x 12" Cast In Place Concrete Curb - Radius..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	30.16 2.15 18.31 10.38 3.96 -3.96 -6.70	15.26
32 16 13 13-0022	LF		6" x 14" Cast In Place Concrete Curb..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	28.91 2.01 17.40 9.86 3.77 -3.77 -6.38	13.28
32 16 13 13-0023	LF		6" x 14" Cast In Place Concrete Curb - Radius..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	32.92 2.36 20.02 11.36 4.33 -4.33 -7.32	15.26
32 16 13 13-0024	LF		6" x 16" Cast In Place Concrete Curb..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	31.52 2.18 18.92 10.72 4.10 -4.10 -6.94	13.28
32 16 13 13-0025	LF		6" x 16" Cast In Place Concrete Curb - Radius..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	35.83 2.56 21.77 12.35 4.71 -4.71 -7.96	19.91
32 16 13 13-0026	LF		6" x 18" Cast In Place Concrete Curb..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	33.59 2.31 20.13 11.41 4.36 -4.36 -7.38	13.28
32 16 13 13-0027	LF		6" x 18" Cast In Place Concrete Curb - Radius..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	37.76 2.66 22.82 12.94 4.94 -4.94 -8.36	15.26
32 16 13 13-0028	LF		6" x 24" Cast In Place Concrete Curb..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	37.94 2.49 22.35 12.65 4.85 -4.85 -8.22	14.61
32 16 13 13-0029	LF		6" x 24" Cast In Place Concrete Curb - Radius..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	42.25 2.82 25.05 14.18 5.43 -5.43 -9.20	16.59
32 16 13 13-0030	LF		12" x 24" Cast In Place Concrete Curb..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	47.15 2.55 26.03 14.67 5.68 -5.68 -9.69	16.59
32 16 13 13-0031	LF		12" x 24" Cast In Place Concrete Curb - Radius..... <i>For Mountable Curb, Add</i> <i>For Up To 20, Add</i> <i>For &gt;20 To 50, Add</i> <i>For &gt;50 To 100, Add</i> <i>For &gt;500 To 1,000, Deduct</i> <i>For &gt;1,000, Deduct</i>	52.32 2.88 29.05 16.38 6.33 -6.33 -10.81	18.58
32 16 13 13-0032	EA		Additional Finish For Handicap Drop Section In Curb.....	99.57	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**32 16 13 14 Machine Formed, Slip Form Curbs (32 16 13)**

Note: Includes delivered concrete, steel, expansion joints and finish.

**32 16 13 14-0001 Curbs, Machine Formed, Slip Form (32 16 13 14)**

Note: Includes delivered concrete, steel, expansion joints and finish.

32 16 13 14-0002	EA	Machine Formed Concrete Curb Minimum Set-Up Charge (One Time Per Job).....	1,933.51	
Note: For projects where the total curbing charge is less than the minimum set-up charge, use this task exclusively. This task shall not be used in conjunction with any other tasks in this section.				
32 16 13 14-0003	LF	6" x 12" Straight Concrete Curb, Machine Formed .....	12.48	
32 16 13 14-0004	LF	6" x 12" Curved Concrete Curb, Machine Formed.....	17.93	
32 16 13 14-0005	LF	6" x 18" Straight Concrete Curb, Machine Formed .....	16.33	
32 16 13 14-0006	LF	6" x 18" Curved Concrete Curb, Machine Formed.....	23.07	

**32 16 13 16 Steel Faced Curbs (32 16 13)**

Note: Fabrication includes handicap and other curb access cuts.

**32 16 13 16-0001 Sidewalk/Curb Facing (32 16 13 16)**

Note: Fabrication includes handicap and other curb access cuts.

32 16 13 16-0002	LF	3" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	18.96	6.90
For Curved Section, Add			4.47	
32 16 13 16-0003	LF	4" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	20.97	7.84
For Curved Section, Add			5.04	
32 16 13 16-0004	LF	6" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	27.64	8.78
For Curved Section, Add			6.07	
32 16 13 16-0005	LF	8" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	33.56	9.88
For Curved Section, Add			7.04	
32 16 13 16-0006	LF	10" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	40.60	10.82
For Curved Section, Add			8.11	
32 16 13 16-0007	LF	12" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	52.97	13.80
For Curved Section, Add			10.45	
32 16 13 16-0008	LF	13" Steel Sidewalk/Curb Facing, With Steel Anchor, 12" On Center .....	61.77	17.87
For Curved Section, Add			12.85	
32 16 13 16-0009	EA	Sidewalk/Curb Steel Facing, Pedestrian Ramps, Two Drops Per Section.....	186.27	

**32 16 13 23 Precast Concrete Curbs and Gutters (32 16 13)****32 16 13 23-0001 Precast Concrete Curb (32 16 13 23)**

32 16 13 23-0002	LF	6" x 18" Precast Concrete Curb .....	48.05	13.78
32 16 13 23-0003	LF	6" x 18" Precast Concrete Curb, Radius .....	56.59	15.85
32 16 13 23-0004	LF	6" x 20" Precast Concrete Curb .....	50.39	13.78
32 16 13 23-0005	LF	6" x 20" Precast Concrete Curb, Radius .....	59.69	15.85
32 16 13 23-0006	LF	7" x 18" Precast Concrete Curb .....	51.46	13.78
32 16 13 23-0007	LF	7" x 18" Precast Concrete Curb, Radius .....	60.93	15.85
32 16 13 23-0008	LF	7" x 20" Precast Concrete Curb .....	54.12	13.78
32 16 13 23-0009	LF	7" x 20" Precast Concrete Curb, Radius .....	64.29	15.85

**32 16 13 33 Asphalt Curbs (32 16 13)****32 16 13 33-0001 Asphalt Curbs (32 16 13 33)**

32 16 13 33-0002	LF	6" Wide x 6" High Asphalt Curb 64 LF/TON, Bituminous, Plain .....	17.10	7.05
32 16 13 33-0003	LF	8" Wide x 6" High Asphalt Curb 50 LF/TON, Bituminous, Plain .....	19.23	7.84
32 16 13 33-0004	LF	8" Wide x 8" High Asphalt Curb 44 LF/TON, Bituminous, Plain .....	21.22	8.62

**32 16 13 43 Stone Curbs (32 16 13)****32 16 13 43-0001 Granite Curbs (32 16 13 43)****32 16 13 43-0002 Split Face Granite Curbs (32 16 13 43-0001)**

32 16 13 43-0003	LF	4" To 5" x 12" To 14" Split Face Granite Curb, Straight Section .....	37.14	11.91
For Up To 20, Add			15.39	
For >20 To 50, Add			8.49	
For >50 To 100, Add			3.45	
For >500 To 1,000, Deduct			-3.45	
For >1,000, Deduct			-6.10	
32 16 13 43-0004	LF	6" To 8" x 12" To 14" Split Face Granite Curb, Straight Section .....	43.88	13.02
For Up To 20, Add			17.44	
For >20 To 50, Add			9.58	
For >50 To 100, Add			3.93	
For >500 To 1,000, Deduct			-3.93	
For >1,000, Deduct			-6.99	
32 16 13 43-0005	LF	4" To 5" x 16" To 18" Split Face Granite Curb, Straight Section .....	48.42	14.00
For Up To 20, Add			18.99	
For >20 To 50, Add			10.43	
For >50 To 100, Add			4.28	
For >500 To 1,000, Deduct			-4.28	
For >1,000, Deduct			-7.64	
32 16 13 43-0006	LF	6" To 8" x 16" To 18" Split Face Granite Curb, Straight Section .....	57.30	15.10
For Up To 20, Add			21.46	
For >20 To 50, Add			11.73	
For >50 To 100, Add			4.87	
For >500 To 1,000, Deduct			-4.87	
For >1,000, Deduct			-8.73	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 13 43-0007 LF 4" To 5" x 12" To 14" Split Face Granite Curb, Curved Section.....	45.74	13.02
For Up To 20, Add	17.76	
For >20 To 50, Add	9.74	
For >50 To 100, Add	4.01	
For >500 To 1,000, Deduct	-4.01	
For >1,000, Deduct	-7.16	
32 16 13 43-0008 LF 6" To 8" x 12" To 14" Split Face Granite Curb, Curved Section.....	52.49	14.00
For Up To 20, Add	19.81	
For >20 To 50, Add	10.84	
For >50 To 100, Add	4.49	
For >500 To 1,000, Deduct	-4.49	
For >1,000, Deduct	-8.04	
32 16 13 43-0009 LF 4" To 5" x 16" To 18" Split Face Granite Curb, Curved Section.....	57.11	15.10
For Up To 20, Add	21.42	
For >20 To 50, Add	11.71	
For >50 To 100, Add	4.86	
For >500 To 1,000, Deduct	-4.86	
For >1,000, Deduct	-8.71	
32 16 13 43-0010 LF 6" To 8" x 16" To 18" Split Face Granite Curb, Curved Section.....	65.99	16.07
For Up To 20, Add	23.89	
For >20 To 50, Add	13.01	
For >50 To 100, Add	5.44	
For >500 To 1,000, Deduct	-5.44	
For >1,000, Deduct	-9.81	
<b>32 16 13 43-0011 Sawn Face Granite Curbs (32 16 13 43-0001)</b>		
32 16 13 43-0012 LF 4" To 5" x 12" To 14" Sawn Face Granite Curb, Straight Section.....	37.14	11.91
For Up To 20, Add	15.39	
For >20 To 50, Add	8.49	
For >50 To 100, Add	3.45	
For >500 To 1,000, Deduct	-3.45	
For >1,000, Deduct	-6.10	
32 16 13 43-0013 LF 6" To 8" x 12" To 14" Sawn Face Granite Curb, Straight Section.....	43.87	13.02
For Up To 20, Add	17.43	
For >20 To 50, Add	9.58	
For >50 To 100, Add	3.92	
For >500 To 1,000, Deduct	-3.92	
For >1,000, Deduct	-6.98	
32 16 13 43-0014 LF 4" To 5" x 16" To 18" Sawn Face Granite Curb, Straight Section.....	48.50	14.00
For Up To 20, Add	19.05	
For >20 To 50, Add	10.46	
For >50 To 100, Add	4.30	
For >500 To 1,000, Deduct	-4.30	
For >1,000, Deduct	-7.66	
32 16 13 43-0015 LF 6" To 8" x 16" To 18" Sawn Face Granite Curb, Straight Section.....	57.39	15.10
For Up To 20, Add	21.52	
For >20 To 50, Add	11.77	
For >50 To 100, Add	4.88	
For >500 To 1,000, Deduct	-4.88	
For >1,000, Deduct	-8.75	
32 16 13 43-0016 LF 4" To 5" x 12" To 14" Sawn Face Granite Curb, Curved Section.....	51.74	13.02
For Up To 20, Add	19.00	
For >20 To 50, Add	10.37	
For >50 To 100, Add	4.32	
For >500 To 1,000, Deduct	-4.32	
For >1,000, Deduct	-7.77	
32 16 13 43-0017 LF 6" To 8" x 12" To 14" Sawn Face Granite Curb, Curved Section.....	61.80	14.00
For Up To 20, Add	21.71	
For >20 To 50, Add	11.79	
For >50 To 100, Add	4.96	
For >500 To 1,000, Deduct	-4.96	
For >1,000, Deduct	-8.99	
32 16 13 43-0018 LF 4" To 5" x 16" To 18" Sawn Face Granite Curb, Curved Section.....	68.45	15.10
For Up To 20, Add	23.74	
For >20 To 50, Add	12.87	
For >50 To 100, Add	5.43	
For >500 To 1,000, Deduct	-5.43	
For >1,000, Deduct	-9.86	
32 16 13 43-0019 LF 6" To 8" x 16" To 18" Sawn Face Granite Curb, Curved Section.....	82.00	16.07
For Up To 20, Add	27.14	
For >20 To 50, Add	14.64	
For >50 To 100, Add	6.25	
For >500 To 1,000, Deduct	-6.25	
For >1,000, Deduct	-11.42	
<b>32 16 13 43-0020 Granite Base And Curbs (32 16 13 43-0001)</b>		
32 16 13 43-0021 LF 4" High Granite Base.....	41.96	15.42
For Up To 20, Add	18.64	
For >20 To 50, Add	10.35	
For >50 To 100, Add	4.15	
For >500 To 1,000, Deduct	-4.15	
For >1,000, Deduct	-7.27	
32 16 13 43-0022 LF 6" High Granite Base.....	49.33	20.21
For Up To 20, Add	23.32	
For >20 To 50, Add	13.00	
For >50 To 100, Add	5.16	
For >500 To 1,000, Deduct	-5.16	
For >1,000, Deduct	-8.97	



**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 16 Curbs, Gutters, Sidewalks, and Driveways**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 16 13 43-0023	Remove And Reset Stone And Precast Curbing <small>(32 16 13 43)</small>		
	Note: Includes storage and cleaning.		
32 16 13 43-0024	LF Removal And Resetting Of Stone Or Precast Curbing .....		45.71
	Note: Includes storage and cleaning.		
<b>32 16 23</b>	<b>Sidewalks <small>(32 16)</small></b>		
32 16 23 00-0001	Cast In Place Concrete Sidewalk Assemblies <small>(32 16 23)</small>		
	Note: Includes finish grading, delivered concrete (up to 3500 PSI) by chute, formwork, 1/4" radius joints and edges, polyethylene sheeting, control joints, expansion joints, sealer, screed, broom finish, and curing. Excludes excavation, base, base compaction and welded wire reinforcement. For bar or fiber reinforcing, add bar or fiber reinforcing tasks. See CSI section 02 41 13 13-0000 for sidewalk removal, 03 05 13 00-0001 for color additive, 03 21 00 00-0000 for reinforcing steel, 03 31 13 00-0069 for buggies, 03 31 13 00-0078 for small quantity purchases, 03 37 16 00-0001 for pumping with boom truck, 31 23 16 36-0000 for excavation, 32 11 23 16-0001 for base course.		
32 16 23 00-0002	SF 4" Cast In Place Concrete Sidewalk .....		11.25
	For Up To 100, Add	5.04	
	For >100 To 500, Add	1.45	
	For >1,000 To 5,000, Deduct	-0.89	
	For >5,000, Deduct	-1.90	
	For 3,500 PSI Concrete, Add	0.11	
	For 4,000 PSI Concrete, Add	0.19	
	For 4,500 PSI Concrete, Add	0.22	
	For Welded Wire Reinforcement, Add	1.31	
	For 4000 PSI Concrete, Add	0.19	
32 16 23 00-0003	SF 5" Cast In Place Concrete Sidewalk .....		12.09
	For Up To 100, Add	5.34	
	For >100 To 500, Add	1.53	
	For >1,000 To 5,000, Deduct	-0.93	
	For >5,000, Deduct	-1.99	
	For 3,500 PSI Concrete, Add	0.13	
	For 4,000 PSI Concrete, Add	0.23	
	For 4,500 PSI Concrete, Add	0.26	
	For Welded Wire Reinforcement, Add	1.31	
	For 4000 PSI Concrete, Add	0.23	
32 16 23 00-0004	SF 6" Cast In Place Concrete Sidewalk .....		12.94
	For Up To 100, Add	5.63	
	For >100 To 500, Add	1.61	
	For >1,000 To 5,000, Deduct	-0.96	
	For >5,000, Deduct	-2.08	
	For 3,500 PSI Concrete, Add	0.15	
	For 4,000 PSI Concrete, Add	0.27	
	For 4,500 PSI Concrete, Add	0.31	
	For Welded Wire Reinforcement, Add	1.31	
	For 4000 PSI Concrete, Add	0.27	
32 16 23 00-0005	SF 7" Cast In Place Concrete Sidewalk .....		14.97
	For Up To 100, Add	6.46	
	For >100 To 500, Add	1.84	
	For >1,000 To 5,000, Deduct	-1.09	
	For >5,000, Deduct	-2.38	
	For 3,500 PSI Concrete, Add	0.19	
	For 4,000 PSI Concrete, Add	0.33	
	For 4,500 PSI Concrete, Add	0.38	
	For Welded Wire Reinforcement, Add	1.31	
	For 4000 PSI Concrete, Add	0.33	
32 16 23 00-0006	SF 8" Cast In Place Concrete Sidewalk .....		15.68
	For Up To 100, Add	6.69	
	For >100 To 500, Add	1.89	
	For >1,000 To 5,000, Deduct	-1.11	
	For >5,000, Deduct	-2.44	
	For 3,500 PSI Concrete, Add	0.21	
	For 4,000 PSI Concrete, Add	0.37	
	For 4,500 PSI Concrete, Add	0.43	
	For Welded Wire Reinforcement, Add	1.31	
	For 4000 PSI Concrete, Add	0.37	
32 16 23 00-0007	SF For Exposed Aggregate Finish In Sidewalk .....		3.24
32 16 23 00-0008	EA Finish Concrete Handicap Drop Section In Sidewalk .....		194.17
	Note: Excludes patterned (tactile) finish.		
32 16 23 00-0009	Bituminous Sidewalk Assemblies <small>(32 16 23)</small>		
	Note: Includes finish grading, delivered asphalt, formwork, control joints, expansion joints, and compaction. Excludes excavation, base, and base compaction. See CSI section 32 11 23 16-0001 for base course.		
32 16 23 00-0010	SY 1" Bituminous Sidewalk .....		12.62
	For Up To 100, Add	4.79	
	For >100 To 500, Add	1.29	
	For >1,000 To 5,000, Deduct	-0.65	
	For >5,000, Deduct	-1.29	
32 16 23 00-0011	SY 1-1/2" Bituminous Sidewalk .....		15.81
	For Up To 100, Add	5.92	
	For >100 To 500, Add	1.58	
	For >1,000 To 5,000, Deduct	-0.79	
	For >5,000, Deduct	-1.58	
32 16 23 00-0012	SY 2" Bituminous Sidewalk .....		21.86
	For Up To 100, Add	7.90	
	For >100 To 500, Add	2.07	
	For >1,000 To 5,000, Deduct	-0.97	
	For >5,000, Deduct	-2.07	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 16 23 00-0013 SY 2-1/2" Bituminous Sidewalk .....	27.31	
For Up To 100, Add	9.85	
For >100 To 500, Add	2.57	
For >1,000 To 5,000, Deduct	-1.21	
For >5,000, Deduct	-2.57	
32 16 23 00-0014 SY 3" Bituminous Sidewalk .....	31.37	
For Up To 100, Add	11.11	
For >100 To 500, Add	2.88	
For >1,000 To 5,000, Deduct	-1.31	
For >5,000, Deduct	-2.88	
32 16 23 00-0015 SY 3-1/2" Bituminous Sidewalk .....	36.19	
For Up To 100, Add	12.65	
For >100 To 500, Add	3.25	
For >1,000 To 5,000, Deduct	-1.44	
For >5,000, Deduct	-3.25	

**32 17 Paving Specialties** (32 10)

**32 17 13 Parking Bumpers** (32 17)

Note: Includes dowels set.

**32 17 13 16 Plastic Parking Bumpers** (32 17 13)

32 17 13 16-0001 EA 4" x 6" x 4' Recycled Plastic Wheel Stop .....	221.69	10.25
32 17 13 16-0002 EA 4" x 6" x 6' Recycled Plastic Wheel Stop .....	250.76	10.25

**32 17 13 19 Precast Concrete Parking Bumpers** (32 17 13)

32 17 13 19-0001 EA 6" x 8" x 4' Precast Concrete Wheel Stop With Dowels .....	82.46	30.87
32 17 13 19-0002 EA 6" x 6" x 6' Precast Concrete Wheel Stop With Dowels .....	93.87	30.87
32 17 13 19-0003 EA 6" x 8" x 6' Precast Concrete Wheel Stop With Dowels .....	97.23	30.87
32 17 13 19-0004 EA 6" x 10" x 6' Precast Concrete Wheel Stop With Dowels .....	101.31	30.87
32 17 13 19-0005 EA 4-7/8" x 7-5/8" x 6' Precast Concrete Wheel Stop With Dowels .....	95.26	30.87
32 17 13 19-0006 EA 8" x 13" x 6' Precast Concrete Wheel Stop With Dowels .....	117.70	30.87
32 17 13 19-0007 EA Removal And Relocation Of Precast Concrete Wheel Stop .....	49.40	
32 17 13 19-0008 EA Removal And Relocation Of Plastic Or Wood Wheel Stop .....	32.10	

**32 17 13 23 Rubber Parking Bumpers** (32 17 13)

32 17 13 23-0001 EA 3' Recycled Rubber Wheel Stop .....	36.83	10.25
32 17 13 23-0002 EA 4' Recycled Rubber Wheel Stop .....	41.90	10.25
32 17 13 23-0003 EA 5' Recycled Rubber Wheel Stop .....	43.93	10.25
32 17 13 23-0004 EA 6' Recycled Rubber Wheel Stop .....	46.97	10.25

**32 17 16 Manufactured Traffic-Calming Devices** (32 17)

**32 17 16 00-0001 Speed Bumps** (32 17 16)

Note: Excludes pavement markings or reflectors.

32 17 16 00-0002 LF 2-1/4" High x 10-1/2" Wide, Asphalt Speed Bump .....	46.70	2.36
32 17 16 00-0003 LF 2-1/4" High x 12" Wide, Recycled Rubber Speed Bump .....	32.65	1.58
32 17 16 00-0004 LF 2-5/8" High x 12" Wide, Recycled Plastic Speed Bump .....	200.77	1.58

**32 17 23 Pavement Markings** (32 17)

See CSI section 01 55 26 00-0000 for temporary markings and removable line mask tape.

**32 17 23 13 Painted Pavement Markings** (32 17 23)

**32 17 23 13-0001 Painted Pavement Striping, Letters, Symbols And Markers For Roads** (32 17 23)

Note: Includes primers, adhesive and glass beads where required. For broken line quantities use total lane length. Per Coat.

**32 17 23 13-0002 Painted Reflective Pavement Marking** (32 17 23 13-0001)

Note: 15 mil thickness.

32 17 23 13-0003 LF Single 4" Wide Solid Line, Painted Reflective Pavement Striping .....	0.34	
For Up To 5,000 LF, Add	0.07	
For >25,000 LF, Deduct	-0.05	
For Broken Line, Deduct	-0.07	
32 17 23 13-0004 LF Single 6" Wide Solid Line, Painted Reflective Pavement Striping .....	0.44	
For Up To 5,000 LF, Add	0.09	
For >25,000 LF, Deduct	-0.07	
For Broken Line, Deduct	-0.10	
32 17 23 13-0005 LF Single 8" Wide Solid Line, Painted Reflective Pavement Striping .....	0.56	
For Up To 5,000 LF, Add	0.11	
For >25,000 LF, Deduct	-0.08	
For Broken Line, Deduct	-0.12	
32 17 23 13-0006 LF Single 12" Wide Solid Line, Painted Reflective Pavement Striping .....	0.75	
For Up To 5,000 LF, Add	0.15	
For >25,000 LF, Deduct	-0.11	
For Broken Line, Deduct	-0.18	
32 17 23 13-0007 LF Double 4" Wide Solid Lines, Painted Reflective Pavement Striping .....	0.50	
For Up To 5,000 LF, Add	0.10	
For >25,000 LF, Deduct	-0.08	
For Broken Line On One Side, Deduct	-0.06	
For Double Broken Line, Deduct	-0.12	

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 17 23 13-0008	LF	Double 6" Wide Solid Lines, Painted Reflective Pavement Striping.....	0.75	
		<i>For Up To 5,000 LF, Add</i>	0.15	
		<i>For &gt;25,000 LF, Deduct</i>	-0.11	
		<i>For Broken Line On One Side, Deduct</i>	-0.09	
		<i>For Double Broken Line, Deduct</i>	-0.18	
32 17 23 13-0009	SF	Solid Area, Painted Reflective Pavement Striping.....	6.81	
		Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
32 17 23 13-0010	EA	6" High, Letter/Number, Painted Reflective Pavement Marking.....	5.06	
		<i>For &lt;10, Add</i>	0.68	
		<i>For &gt;50 To 100, Deduct</i>	-0.34	
		<i>For &gt;100 To 200, Deduct</i>	-0.45	
		<i>For &gt;200, Deduct</i>	-0.90	
32 17 23 13-0011	EA	12" High, Letter/Number, Painted Reflective Pavement Marking.....	8.83	
		<i>For &lt;10, Add</i>	1.02	
		<i>For &gt;50 To 100, Deduct</i>	-0.51	
		<i>For &gt;100 To 200, Deduct</i>	-0.68	
		<i>For &gt;200, Deduct</i>	-1.36	
32 17 23 13-0012	EA	24" High, Letter/Number, Painted Reflective Pavement Marking.....	14.87	
		<i>For &lt;10, Add</i>	1.69	
		<i>For &gt;50 To 100, Deduct</i>	-0.85	
		<i>For &gt;100 To 200, Deduct</i>	-1.13	
		<i>For &gt;200, Deduct</i>	-2.26	
32 17 23 13-0013	EA	36" High, Letter/Number, Painted Reflective Pavement Marking.....	28.86	
		<i>For &lt;10, Add</i>	3.39	
		<i>For &gt;50 To 100, Deduct</i>	-1.69	
		<i>For &gt;100 To 200, Deduct</i>	-2.26	
		<i>For &gt;200, Deduct</i>	-4.51	
32 17 23 13-0014	EA	48" High, Letter/Number, Painted Reflective Pavement Marking.....	33.49	
		<i>For &lt;10, Add</i>	3.80	
		<i>For &gt;50 To 100, Deduct</i>	-1.90	
		<i>For &gt;100 To 200, Deduct</i>	-2.53	
		<i>For &gt;200, Deduct</i>	-5.06	
32 17 23 13-0015	EA	72" High, Letter/Number, Painted Reflective Pavement Marking.....	59.97	
		<i>For &lt;10, Add</i>	6.76	
		<i>For &gt;50 To 100, Deduct</i>	-3.38	
		<i>For &gt;100 To 200, Deduct</i>	-4.50	
		<i>For &gt;200, Deduct</i>	-9.01	
32 17 23 13-0016	EA	96" High, Letter/Number, Painted Reflective Pavement Marking.....	80.14	
		<i>For &lt;10, Add</i>	9.07	
		<i>For &gt;50 To 100, Deduct</i>	-4.54	
		<i>For &gt;100 To 200, Deduct</i>	-6.05	
		<i>For &gt;200, Deduct</i>	-12.10	
32 17 23 13-0017	EA	120" High, Letter/Number, Painted Reflective Pavement Marking.....	118.81	
		<i>For &lt;10, Add</i>	11.24	
		<i>For &gt;50 To 100, Deduct</i>	-5.62	
		<i>For &gt;100 To 200, Deduct</i>	-7.50	
		<i>For &gt;200, Deduct</i>	-14.99	
32 17 23 13-0018	EA	Bike Lane Symbol, Painted Reflective Pavement Marking.....	89.09	
		Note: Approximate overall dimensions: 4' width x 8' height.		
32 17 23 13-0019	EA	Railroad Crossing Symbol, Painted Reflective Pavement Marking.....	335.89	
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
32 17 23 13-0020	EA	Preferential Lane Symbol (Diamond), Painted Reflective Pavement Marking.....	102.97	
		Note: Approximate overall dimensions: 3' width x 15' height.		
32 17 23 13-0021	EA	Through Lane Arrow, Painted Reflective Pavement Marking.....	110.00	
		Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0022	EA	Turn Lane Arrow, Painted Reflective Pavement Marking.....	128.38	
		Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0023	EA	Dual Turn Lane Arrow, Painted Reflective Pavement Marking.....	189.12	
		Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0024	EA	Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	193.37	
		Note: Approximate overall dimensions: 7' width x 13' height.		
32 17 23 13-0025	EA	Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	257.80	
		Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0026	EA	Elongated Through Lane Arrow, Painted Reflective Pavement Marking.....	99.41	
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0027	EA	Elongated Turn Lane Arrow, Painted Reflective Pavement Marking.....	122.15	
		Note: Approximate overall dimensions: 3' width x 12' height.		
32 17 23 13-0028	EA	Elongated Dual Turn Lane Arrow, Painted Reflective Pavement Marking.....	170.06	
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
32 17 23 13-0029	EA	Elongated Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	175.72	
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0030	EA	Elongated Dual Turn And Through Lane Arrow, Painted Reflective Pavement Marking.....	235.58	
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
32 17 23 13-0031	EA	Lane-Reduction Arrow, Painted Reflective Pavement Marking.....	211.26	
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
32 17 23 13-0032	EA	Wrong-Way Arrow, Painted Reflective Pavement Marking.....	270.53	
		Note: Approximate overall dimensions: 6' width x 24' height.		
32 17 23 13-0033		<b>Epoxy Reflective Pavement Marking</b> (32 17 23 13-0001)		
		Note: 15 mil thickness.		
32 17 23 13-0034	LF	Single 4" Wide Solid Line, Epoxy Reflective Pavement Striping.....	0.75	
		<i>For 20 Mil Thickness, Add</i>	0.18	
		<i>For Up To 5,000 LF, Add</i>	0.15	
		<i>For &gt;25,000 LF, Deduct</i>	-0.11	
		<i>For Broken Line, Deduct</i>	-0.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0035	LF		Single 6" Wide Solid Line, Epoxy Reflective Pavement Striping .....	1.06	
			For 20 Mil Thickness, Add	0.27	
			For Up To 5,000 LF, Add	0.21	
			For >25,000 LF, Deduct	-0.16	
			For Broken Line, Deduct	-0.56	
32 17 23 13-0036	LF		Single 8" Wide Solid Line, Epoxy Reflective Pavement Striping .....	1.30	
			For 20 Mil Thickness, Add	0.32	
			For Up To 5,000 LF, Add	0.26	
			For >25,000 LF, Deduct	-0.20	
			For Broken Line, Deduct	-0.68	
32 17 23 13-0037	LF		Single 12" Wide Solid Line, Epoxy Reflective Pavement Striping .....	1.97	
			For 20 Mil Thickness, Add	0.51	
			For Up To 5,000 LF, Add	0.39	
			For >25,000 LF, Deduct	-0.30	
			For Broken Line, Deduct	-1.10	
32 17 23 13-0038	LF		Double 4" Wide Solid Lines, Epoxy Reflective Pavement Striping .....	1.23	
			For 20 Mil Thickness, Add	0.34	
			For Up To 5,000 LF, Add	0.25	
			For >25,000 LF, Deduct	-0.18	
			For Broken Line On One Side, Deduct	-0.37	
			For Double Broken Line, Deduct	-0.74	
32 17 23 13-0039	LF		Double 6" Wide Solid Lines, Epoxy Reflective Pavement Striping .....	1.78	
			For 20 Mil Thickness, Add	0.51	
			For Up To 5,000 LF, Add	0.36	
			For >25,000 LF, Deduct	-0.27	
			For Broken Line On One Side, Deduct	-0.55	
			For Double Broken Line, Deduct	-1.10	
32 17 23 13-0040	SF		Solid Area, Epoxy Reflective Pavement Marking .....	9.21	
			Note: Use this task for: lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.		
			For 20 Mil Thickness, Add	1.21	
32 17 23 13-0041	EA		6" High, Letter/Number, Epoxy Reflective Pavement Marking .....	5.55	
			For 20 Mil Thickness, Add	0.57	
			For <10, Add	0.68	
			For >50 To 100, Deduct	-0.34	
			For >100 To 200, Deduct	-0.45	
			For >200, Deduct	-0.90	
32 17 23 13-0042	EA		12" High, Letter/Number, Epoxy Reflective Pavement Marking .....	10.60	
			For 20 Mil Thickness, Add	1.61	
			For <10, Add	1.02	
			For >50 To 100, Deduct	-0.51	
			For >100 To 200, Deduct	-0.68	
			For >200, Deduct	-1.36	
32 17 23 13-0043	EA		24" High, Letter/Number, Epoxy Reflective Pavement Marking .....	17.96	
			For 20 Mil Thickness, Add	2.79	
			For <10, Add	1.69	
			For >50 To 100, Deduct	-0.85	
			For >100 To 200, Deduct	-1.13	
			For >200, Deduct	-2.26	
32 17 23 13-0044	EA		36" High, Letter/Number, Epoxy Reflective Pavement Marking .....	34.29	
			For 20 Mil Thickness, Add	5.03	
			For <10, Add	3.39	
			For >50 To 100, Deduct	-1.69	
			For >100 To 200, Deduct	-2.26	
			For >200, Deduct	-4.51	
32 17 23 13-0045	EA		48" High, Letter/Number, Epoxy Reflective Pavement Marking .....	40.56	
			For 20 Mil Thickness, Add	6.35	
			For <10, Add	3.80	
			For >50 To 100, Deduct	-1.90	
			For >100 To 200, Deduct	-2.53	
			For >200, Deduct	-5.06	
32 17 23 13-0046	EA		72" High, Letter/Number, Epoxy Reflective Pavement Marking .....	72.88	
			For 20 Mil Thickness, Add	11.53	
			For <10, Add	6.76	
			For >50 To 100, Deduct	-3.38	
			For >100 To 200, Deduct	-4.50	
			For >200, Deduct	-9.01	
32 17 23 13-0047	EA		96" High, Letter/Number, Epoxy Reflective Pavement Marking .....	97.12	
			For 20 Mil Thickness, Add	15.23	
			For <10, Add	9.07	
			For >50 To 100, Deduct	-4.54	
			For >100 To 200, Deduct	-6.05	
			For >200, Deduct	-12.10	
32 17 23 13-0048	EA		120" High, Letter/Number, Epoxy Reflective Pavement Marking .....	156.71	
			For 20 Mil Thickness, Add	31.00	
			For <10, Add	11.24	
			For >50 To 100, Deduct	-5.62	
			For >100 To 200, Deduct	-7.50	
			For >200, Deduct	-14.99	
32 17 23 13-0049	EA		Bike Lane Symbol, Epoxy Reflective Pavement Marking .....	128.22	
			Note: Approximate overall dimensions: 4' width x 8' height.		
			For 20 Mil Thickness, Add	30.32	
32 17 23 13-0050	EA		Railroad Crossing Symbol, Epoxy Reflective Pavement Marking .....	531.53	
			Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.		
			For 20 Mil Thickness, Add	146.11	
32 17 23 13-0051	EA		Preferential Lane Symbol (Diamond), Epoxy Reflective Pavement Marking .....	146.99	
			Note: Approximate overall dimensions: 3' width x 12' height.		
			For 20 Mil Thickness, Add	34.25	
32 17 23 13-0052	EA		Through Lane Arrow, Epoxy Reflective Pavement Marking .....	152.79	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
			For 20 Mil Thickness, Add	33.79	

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 17 Paving Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 13-0053	EA		Turn Lane Arrow, Epoxy Reflective Pavement Marking..... Note: Approximate overall dimensions: 6' width x 8' height.	187.07	
			<i>For 20 Mil Thickness, Add</i>	45.21	
32 17 23 13-0054	EA		Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking ..... Note: Approximate overall dimensions: 11' width x 8' height.	296.72	
			<i>For 20 Mil Thickness, Add</i>	80.58	
32 17 23 13-0055	EA		Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking ..... Note: Approximate overall dimensions: 7' width x 13' height.	304.63	
			<i>For 20 Mil Thickness, Add</i>	83.22	
32 17 23 13-0056	EA		Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking..... Note: Approximate overall dimensions: 9' width x 15' height.	422.87	
			<i>For 20 Mil Thickness, Add</i>	122.00	
32 17 23 13-0057	EA		Elongated Through Lane Arrow, Epoxy Reflective Pavement Marking..... Note: Approximate overall dimensions: 5-1/2' width x 12' height.	123.76	
			<i>For 20 Mil Thickness, Add</i>	21.07	
32 17 23 13-0058	EA		Elongated Turn Lane Arrow, Epoxy Reflective Pavement Marking..... Note: Approximate overall dimensions: 3' width x 12' height.	166.17	
			<i>For 20 Mil Thickness, Add</i>	35.21	
32 17 23 13-0059	EA		Elongated Dual Turn Lane Arrow, Epoxy Reflective Pavement Marking ..... Note: Approximate overall dimensions: 5-1/2' width x 12' height.	214.47	
			<i>For 20 Mil Thickness, Add</i>	49.75	
32 17 23 13-0060	EA		Elongated Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking ..... Note: Approximate overall dimensions: 3-1/2' width x 20' height.	220.18	
			<i>For 20 Mil Thickness, Add</i>	51.65	
32 17 23 13-0061	EA		Elongated Dual Turn And Through Lane Arrow, Epoxy Reflective Pavement Marking..... Note: Approximate overall dimensions: 3-1/2' width x 20' height.	370.08	
			<i>For 20 Mil Thickness, Add</i>	100.69	
32 17 23 13-0062	EA		Lane-Reduction Arrow, Epoxy Reflective Pavement Marking..... Note: Approximate overall dimensions: 5-1/2' width x 18' height.	329.88	
			<i>For 20 Mil Thickness, Add</i>	89.77	
32 17 23 13-0063	EA		Wrong-Way Arrow, Epoxy Reflective Pavement Marking ..... Note: Approximate overall dimensions: 6' width x 24' height.	315.96	
			<i>For 20 Mil Thickness, Add</i>	86.37	
32 17 23 13-0064			<b>Painted Pavement Striping, Letters And Symbols For Parking Areas</b> (32 17 23 13) Note: Includes primers. Per Coat.		
32 17 23 13-0065			<b>Painted Pavement Marking For Parking Areas</b> (32 17 23 13-0064) Note: 15 mil thickness.		
32 17 23 13-0066	LF		Single 4" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.29	
32 17 23 13-0067	LF		Single 6" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.40	
32 17 23 13-0068	LF		Single 8" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.49	
32 17 23 13-0069	LF		Single 12" Wide Solid Line, Painted Pavement Striping For Parking Areas.....	1.68	
32 17 23 13-0070	SF		Solid Area, Painted Pavement Marking For Parking Areas..... Note: Use task for lines >12" wide, stop bars, transverse lines, diagonal lines, crossing lanes, etc.	6.77	
32 17 23 13-0071	EA		6" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	4.93	
			<i>For Up To 10, Add</i>	0.66	
			<i>For &gt;50 To 100, Deduct</i>	-0.33	
			<i>For &gt;100 To 200, Deduct</i>	-0.44	
			<i>For &gt;200, Deduct</i>	-0.88	
32 17 23 13-0072	EA		12" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	8.56	
			<i>For Up To 10, Add</i>	0.99	
			<i>For &gt;50 To 100, Deduct</i>	-0.49	
			<i>For &gt;100 To 200, Deduct</i>	-0.66	
			<i>For &gt;200, Deduct</i>	-1.31	
32 17 23 13-0073	EA		24" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	14.44	
			<i>For Up To 10, Add</i>	1.64	
			<i>For &gt;50 To 100, Deduct</i>	-0.82	
			<i>For &gt;100 To 200, Deduct</i>	-1.10	
			<i>For &gt;200, Deduct</i>	-2.19	
32 17 23 13-0074	EA		36" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	26.93	
			<i>For Up To 10, Add</i>	3.12	
			<i>For &gt;50 To 100, Deduct</i>	-1.56	
			<i>For &gt;100 To 200, Deduct</i>	-2.08	
			<i>For &gt;200, Deduct</i>	-4.16	
32 17 23 13-0075	EA		42" High, Letter/Number, Painted Pavement Marking For Parking Areas.....	35.52	
			<i>For Up To 10, Add</i>	4.27	
			<i>For &gt;50 To 100, Deduct</i>	-2.14	
			<i>For &gt;100 To 200, Deduct</i>	-2.85	
			<i>For &gt;200, Deduct</i>	-5.70	
32 17 23 13-0076	EA		48" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	43.01	
			<i>For Up To 10, Add</i>	5.26	
			<i>For &gt;50 To 100, Deduct</i>	-2.63	
			<i>For &gt;100 To 200, Deduct</i>	-3.51	
			<i>For &gt;200, Deduct</i>	-7.01	
32 17 23 13-0077	EA		72" High, Letter/Number/Arrow, Painted Pavement Marking For Parking Areas .....	58.35	
			<i>For Up To 10, Add</i>	6.57	
			<i>For &gt;50 To 100, Deduct</i>	-3.29	
			<i>For &gt;100 To 200, Deduct</i>	-4.38	
			<i>For &gt;200, Deduct</i>	-8.77	
32 17 23 13-0078	EA		Through Lane Arrow, Painted Pavement Marking For Parking Areas .....	108.65	
			Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
32 17 23 13-0079	EA		Turn Lane Arrow, Painted Pavement Marking For Parking Areas .....	126.53	
			Note: Approximate overall dimensions: 6' width x 8' height.		
32 17 23 13-0080	EA		Dual Turn Lane Arrow, Painted Pavement Marking For Parking Areas .....	185.73	
			Note: Approximate overall dimensions: 11' width x 8' height.		
32 17 23 13-0081	EA		Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas .....	189.86	
			Note: Approximate overall dimensions: 7' width x 13' height.		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 17 23 13-0082	EA		Dual Turn And Through Lane Arrow, Painted Pavement Marking For Parking Areas .....252.59 Note: Approximate overall dimensions: 9' width x 15' height.		
32 17 23 13-0083	EA		Handicap Symbol For Standard Parking Stalls, Painted Pavement Marking For Parking Areas .....42.57 Note: Approximate overall dimensions: 2-2/3' width x 3' height. White or blue symbol. Excludes striping.		
			<i>For Blue Background With White Symbol, Add</i>	34.43	
			<i>For Blue Background With White Symbol And Border, Add</i>	43.04	
32 17 23 13-0084	EA		Handicap Symbol For Van Parking Stalls, Painted Pavement Marking For Parking Areas .....65.20 Note: Approximate overall dimensions: 4-1/3' width x 5' height. White or blue symbol. Excludes striping.		
			<i>For Blue Background With White Symbol, Add</i>	73.52	
			<i>For Blue Background With White Symbol And Border, Add</i>	91.90	

**32 17 23 13-0085 Painted Curbs (32 17 23 13)**  
Note: All colors.

32 17 23 13-0086	LF		Reflective Painted Curb .....3.71		
32 17 23 13-0087	LF		Reflective Painted Curb And Gutter .....7.05		
32 17 23 13-0088	EA		Painted Curb .....3.01		
32 17 23 13-0089	LF		Painted Curb And Gutter .....6.43		

**32 17 23 13-0090 Markings For Outdoor Play Areas, Courts (32 17 23 13)**

32 17 23 13-0091	LF		2" Wide Marking For Outdoor Play Areas .....1.48		
32 17 23 13-0092	LF		3" Wide Marking For Outdoor Play Areas .....1.68		
32 17 23 13-0093	LF		4" Wide Marking For Outdoor Play Areas .....1.90		
32 17 23 13-0094	LF		6" Wide Marking For Outdoor Play Areas .....2.24		
32 17 23 13-0095	EA		Layout And Paint Playground Game Lines And Background On Asphalt Or Concrete (Hop Scotch, 4 Square, Numbers Games, Etcetera) .....390.71		

**32 17 23 23 Raised Pavement Markings (32 17 23)**

**32 17 23 23-0001 Raised Pavement Markers (RPMs) (32 17 23 23)**

			Note: White, Red, Yellow/Amber, Green or Blue		
32 17 23 23-0002	EA		One-Way Reflective, Raised Pavement Marker (RPM) .....8.65		3.74
			<i>For &gt;100, Deduct</i>	-0.87	
32 17 23 23-0003	EA		Two-Way Reflective, Raised Pavement Marker (RPM) .....9.15		3.74
			<i>For &gt;100, Deduct</i>	-0.92	
32 17 23 23-0004	EA		4" Diameter, Non-Reflective, Raised Pavement Marker (RPM) .....8.01		3.74
			<i>For &gt;100, Deduct</i>	-0.80	

**32 17 23 23-0005 Snowplowable Pavement Markers (32 17 23 23)**

32 17 23 23-0006	EA		One-Way Reflective, Snowplowable Pavement Marker With Center Rail .....94.52		42.48
32 17 23 23-0007	EA		Two-Way Reflective, Snowplowable Pavement Marker With Center Rail .....94.95		42.48
32 17 23 23-0008	EA		Removal And Replacement Of Reflector For One-Way Reflective, Recessed (Plowable) Pavement Marker .....27.58		
32 17 23 23-0009	EA		Removal And Replacement Of Reflectors For Two-Way Reflective, Recessed (Plowable) Pavement Marker .....35.10		

**32 17 23 33 Plastic Pavement Markings (32 17 23)**

**32 17 23 33-0001 Thermoplastic Pavement Striping, Letters, Symbols And Markers For Roads (32 17 23 33)**

Note: Includes primers, adhesive and glass beads where required. For broken line modifier quantity use total lane length.

**32 17 23 33-0002 Thermoplastic Reflective Pavement Marking (32 17 23 33-0001)**

			Note: 90 mil thickness.		
32 17 23 33-0003	LF		Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....1.50		
			<i>For Up To 5,000 LF, Add</i>	0.30	
			<i>For &gt;25,000 LF, Deduct</i>	-0.23	
			<i>For 60 mils Thick, Deduct</i>	-0.20	
			<i>For 125 mils Thick, Add</i>	0.26	
			<i>For Broken Line, Deduct</i>	-0.87	
32 17 23 33-0004	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....2.14		
			Note: Includes yellow or white.		
			<i>For Up To 5,000 LF, Add</i>	0.43	
			<i>For &gt;25,000 LF, Deduct</i>	-0.32	
			<i>For 60 mils Thick, Deduct</i>	-0.30	
			<i>For 125 mils Thick, Add</i>	0.39	
			<i>For Broken Line, Deduct</i>	-1.30	
32 17 23 33-0005	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....2.84		
			Note: Includes yellow or white.		
			<i>For Up To 5,000 LF, Add</i>	0.57	
			<i>For &gt;25,000 LF, Deduct</i>	-0.43	
			<i>For 60 mils Thick, Deduct</i>	-0.40	
			<i>For 125 mils Thick, Add</i>	0.52	
			<i>For Broken Line, Deduct</i>	-1.73	
32 17 23 33-0006	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping .....4.15		
			Note: Includes yellow or white.		
			<i>For Up To 5,000 LF, Add</i>	0.83	
			<i>For &gt;25,000 LF, Deduct</i>	-0.62	
			<i>For 60 mils Thick, Deduct</i>	-0.61	
			<i>For 125 mils Thick, Add</i>	0.78	
			<i>For Broken Line, Deduct</i>	-2.60	

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 17 Paving Specialties**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 17 23 33-0007	LF Double 4" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white.	2.82	
	For Up To 5,000 LF, Add	0.56	
	For >25,000 LF, Deduct	-0.42	
	For 60 mils Thick, Deduct	-0.40	
	For 125 mils Thick, Add	0.52	
	For Broken Line On One Side, Deduct	-0.87	
	For Double Broken Line, Deduct	-1.73	
32 17 23 33-0008	LF Double 6" Wide Solid Lines, 90 Mil Thick, Thermoplastic Reflective Pavement Striping ..... Note: Includes yellow or white.	4.15	
	For Up To 5,000 LF, Add	0.83	
	For >25,000 LF, Deduct	-0.62	
	For 60 mils Thick, Deduct	-0.61	
	For 125 mils Thick, Add	0.78	
	For Broken Line On One Side, Deduct	-1.30	
	For Double Broken Line, Deduct	-2.60	
32 17 23 33-0009	SF Solid Area, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... Note: Includes yellow or white.	10.02	
	For 60 mils Thick, Deduct	-0.60	
	For 125 mils Thick, Add	0.78	
32 17 23 33-0010	EA 6" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add	6.77	
	For >50 To 100, Deduct	0.74	
	For >100 To 200, Deduct	-0.37	
	For >200, Deduct	-0.49	
	For 60 mils Thick, Deduct	-0.99	
	For 125 mils Thick, Add	-0.32	
		0.41	
32 17 23 33-0011	EA 12" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add	14.13	
	For >50 To 100, Deduct	1.12	
	For >100 To 200, Deduct	-0.56	
	For >200, Deduct	-0.75	
	For 60 mils Thick, Deduct	-1.49	
	For 125 mils Thick, Add	-1.17	
		1.50	
32 17 23 33-0012	EA 24" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add	24.06	
	For >50 To 100, Deduct	1.86	
	For >100 To 200, Deduct	-0.93	
	For >200, Deduct	-1.24	
	For 60 mils Thick, Deduct	-2.48	
	For 125 mils Thick, Add	-2.04	
		2.63	
32 17 23 33-0013	EA 36" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add	45.41	
	For >50 To 100, Deduct	3.73	
	For >100 To 200, Deduct	-1.87	
	For >200, Deduct	-2.49	
	For 60 mils Thick, Deduct	-4.98	
	For 125 mils Thick, Add	-3.59	
		4.62	
32 17 23 33-0014	EA 48" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add	54.52	
	For >50 To 100, Deduct	4.17	
	For >100 To 200, Deduct	-2.09	
	For >200, Deduct	-2.78	
	For 60 mils Thick, Deduct	-5.57	
	For 125 mils Thick, Add	-4.67	
		6.01	
32 17 23 33-0015	EA 72" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add	98.30	
	For >50 To 100, Deduct	7.43	
	For >100 To 200, Deduct	-3.71	
	For >200, Deduct	-4.95	
	For 60 mils Thick, Deduct	-9.91	
	For 125 mils Thick, Add	-8.53	
		10.97	
32 17 23 33-0016	EA 96" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add	130.68	
	For >50 To 100, Deduct	9.98	
	For >100 To 200, Deduct	-4.99	
	For >200, Deduct	-6.65	
	For 60 mils Thick, Deduct	-13.30	
	For 125 mils Thick, Add	-11.23	
		14.44	
32 17 23 33-0017	EA 120" High, Letter/Number, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... For Up To 10, Add	225.62	
	For >50 To 100, Deduct	12.36	
	For >100 To 200, Deduct	-6.18	
	For >200, Deduct	-8.24	
	For 60 mils Thick, Deduct	-16.48	
	For 125 mils Thick, Add	-25.06	
		32.22	
32 17 23 33-0018	EA Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... Note: Approximate overall dimensions: 4' width x 8' height.	190.29	
	For 60 mils Thick, Deduct	-25.63	
	For 125 mils Thick, Add	32.95	
32 17 23 33-0019	EA Railroad Crossing Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	841.86	
	For 60 mils Thick, Deduct	-128.15	
	For 125 mils Thick, Add	164.76	
32 17 23 33-0020	EA Preferential Lane Symbol (Diamond), 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... Note: Approximate overall dimensions: 3' width x 12' height.	216.81	
	For 60 mils Thick, Deduct	-28.83	
	For 125 mils Thick, Add	37.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 17 23 33-0021	EA		Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 220.68 Note: Approximate overall dimensions: 3-1/2' width x 10' height.		
			For 60 mils Thick, Deduct	-28.03	
			For 125 mils Thick, Add	36.04	
32 17 23 33-0022	EA		Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 280.17 Note: Approximate overall dimensions: 6' width x 8' height.		
			For 60 mils Thick, Deduct	-38.44	
			For 125 mils Thick, Add	49.43	
32 17 23 33-0023	EA		Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 467.40 Note: Approximate overall dimensions: 11' width x 8' height.		
			For 60 mils Thick, Deduct	-70.48	
			For 125 mils Thick, Add	90.62	
32 17 23 33-0024	EA		Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 481.13 Note: Approximate overall dimensions: 7' width x 13' height.		
			For 60 mils Thick, Deduct	-72.88	
			For 125 mils Thick, Add	93.71	
32 17 23 33-0025	EA		Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 684.71 Note: Approximate overall dimensions: 9' width x 15' height.		
			For 60 mils Thick, Deduct	-108.13	
			For 125 mils Thick, Add	139.02	
32 17 23 33-0026	EA		Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 162.40 Note: Approximate overall dimensions: 1-2/3' width x 12' height.		
			For 60 mils Thick, Deduct	-15.95	
			For 125 mils Thick, Add	20.51	
32 17 23 33-0027	EA		Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 235.99 Note: Approximate overall dimensions: 3' width x 12' height.		
			For 60 mils Thick, Deduct	-28.83	
			For 125 mils Thick, Add	37.07	
32 17 23 33-0028	EA		Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 378.77 Note: Approximate overall dimensions: 5-1/2' width x 12' height.		
			For 60 mils Thick, Deduct	-52.86	
			For 125 mils Thick, Add	67.96	
32 17 23 33-0029	EA		Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 397.08 Note: Approximate overall dimensions: 3-1/2' width x 20' height.		
			For 60 mils Thick, Deduct	-56.06	
			For 125 mils Thick, Add	72.08	
32 17 23 33-0030	EA		Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 583.43 Note: Approximate overall dimensions: 5-1/2' width x 20' height.		
			For 60 mils Thick, Deduct	-88.10	
			For 125 mils Thick, Add	113.27	
32 17 23 33-0031	EA		Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 524.33 Note: Approximate overall dimensions: 5-1/2' width x 18' height.		
			For 60 mils Thick, Deduct	-79.29	
			For 125 mils Thick, Add	101.95	
32 17 23 33-0032	EA		Wrong-Way Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking ..... 725.90 Note: Approximate overall dimensions: 6' width x 24' height.		
			For 60 mils Thick, Deduct	-115.33	
			For 125 mils Thick, Add	148.29	
<b>32 17 23 33-0033</b>			<b>Thermoplastic Reflective Pavement Striping By Hand For Repairs (32 17 23 33-0001)</b>		
32 17 23 33-0034	LF		Single 4" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 3.47		
			For 60 mils Thick, Deduct	-0.20	
			For 125 mils Thick, Add	0.26	
32 17 23 33-0035	LF		Single 6" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 4.37		
			For 60 mils Thick, Deduct	-0.30	
			For 125 mils Thick, Add	0.39	
32 17 23 33-0036	LF		Single 8" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 5.39		
			For 60 mils Thick, Deduct	-0.40	
			For 125 mils Thick, Add	0.52	
32 17 23 33-0037	LF		Single 12" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 7.73		
			For 60 mils Thick, Deduct	-0.61	
			For 125 mils Thick, Add	0.78	
32 17 23 33-0038	LF		Single 24" Wide Solid Line, 90 Mil Thick, Thermoplastic Reflective Pavement Striping By Hand For Repairs ..... 13.87		
			For 60 mils Thick, Deduct	-1.21	
			For 125 mils Thick, Add	1.56	
<b>32 17 23 33-0039</b>			<b>Preformed, Patterned Reflective Pavement Marking Tape (32 17 23 33-0001)</b>		
			Note: Applied with pressure sensitive adhesive. Includes adhesive. 60 mil thickness. (3M Stamark 380 Series).		
32 17 23 33-0040	LF		Single 4" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping ..... 3.19 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.64	
			For >25,000 LF, Deduct	-0.48	
32 17 23 33-0041	LF		Single 6" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping ..... 4.71 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	0.94	
			For >25,000 LF, Deduct	-0.71	
32 17 23 33-0042	LF		Single 8" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping ..... 6.26 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	1.25	
			For >25,000 LF, Deduct	-0.94	
32 17 23 33-0043	LF		Single 12" Wide Solid Line, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Striping ..... 9.28 Note: Includes yellow or white.		
			For Up To 5,000 LF, Add	1.86	
			For >25,000 LF, Deduct	-1.39	
32 17 23 33-0044	SF		Solid Area, 60 Mil Thick, Preformed Patterned Thermoplastic Reflective Pavement Marking Tape ..... 26.30 Note: Includes yellow or white.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 17 Paving Specialties**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 17 23 33-0045	EA	6" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	39.00
		<i>For &lt;10, Add</i>	1.35
		<i>For &gt;50 To 100, Deduct</i>	-0.67
		<i>For &gt;100 To 200, Deduct</i>	-0.90
		<i>For &gt;200, Deduct</i>	-1.80
32 17 23 33-0046	EA	12" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	68.52
		<i>For &lt;10, Add</i>	1.71
		<i>For &gt;50 To 100, Deduct</i>	-0.85
		<i>For &gt;100 To 200, Deduct</i>	-1.14
		<i>For &gt;200, Deduct</i>	-2.28
32 17 23 33-0047	EA	24" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	117.95
		<i>For &lt;10, Add</i>	3.39
		<i>For &gt;50 To 100, Deduct</i>	-1.69
		<i>For &gt;100 To 200, Deduct</i>	-2.26
		<i>For &gt;200, Deduct</i>	-4.51
32 17 23 33-0048	EA	36" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	171.23
		<i>For &lt;10, Add</i>	6.77
		<i>For &gt;50 To 100, Deduct</i>	-3.39
		<i>For &gt;100 To 200, Deduct</i>	-4.52
		<i>For &gt;200, Deduct</i>	-9.03
32 17 23 33-0049	EA	48" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	200.53
		<i>For &lt;10, Add</i>	7.59
		<i>For &gt;50 To 100, Deduct</i>	-3.80
		<i>For &gt;100 To 200, Deduct</i>	-5.06
		<i>For &gt;200, Deduct</i>	-10.13
32 17 23 33-0050	EA	72" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	258.57
		<i>For &lt;10, Add</i>	13.51
		<i>For &gt;50 To 100, Deduct</i>	-6.76
		<i>For &gt;100 To 200, Deduct</i>	-9.01
		<i>For &gt;200, Deduct</i>	-18.02
32 17 23 33-0051	EA	96" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	330.14
		<i>For &lt;10, Add</i>	18.15
		<i>For &gt;50 To 100, Deduct</i>	-9.07
		<i>For &gt;100 To 200, Deduct</i>	-12.10
		<i>For &gt;200, Deduct</i>	-24.20
32 17 23 33-0052	EA	120" High, Preformed Letter/Number, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	413.68
		<i>For &lt;10, Add</i>	22.49
		<i>For &gt;50 To 100, Deduct</i>	-11.24
		<i>For &gt;100 To 200, Deduct</i>	-14.99
		<i>For &gt;200, Deduct</i>	-29.98
32 17 23 33-0053	SF	Preformed Arrow, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	27.19
32 17 23 33-0054	SF	Preformed Symbol, 60 Mil Thick, Patterned Thermoplastic Reflective Pavement Marking Tape .....	28.82
		Note: Handicap, railroad, diamond symbol, etc.	

**32 17 23 33-0055 Preformed, Thermoplastic Reflective Pavement Marking** (32 17 23 33-0001)

Note: Heat applied. (Flint PreMark or HotTape Series).

32 17 23 33-0056	EA	Preformed Bike Lane Symbol, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	413.43
		Note: Approximate overall dimensions: 4' width x 8' height.	
32 17 23 33-0057	EA	Preformed Railroad Crossing Symbol, 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	1,096.34
		Note: Approximate overall dimensions: 8' width x 20' height. Excludes transverse lines.	
32 17 23 33-0058	EA	Preformed Preferential Lane Symbol (Diamond), 125 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	219.46
		Note: Approximate overall dimensions: 3-1/4' width x 13' height.	
32 17 23 33-0059	EA	6' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	185.69
		Note: Approximate overall dimensions: 2' width x 6' height.	
32 17 23 33-0060	EA	9-1/2' Height, Preformed Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	359.75
		Note: Approximate overall dimensions: 3-1/4' width x 9-1/2' height.	
32 17 23 33-0061	EA	4' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	215.01
		Note: Approximate overall dimensions: 3' width x 4' height.	
32 17 23 33-0062	EA	8' Height, Preformed Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	400.40
		Note: Approximate overall dimensions: 6' width x 8' height.	
32 17 23 33-0063	EA	Preformed Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	683.65
		Note: Approximate overall dimensions: 7-1/4' width x 12-3/4' height.	
32 17 23 33-0064	EA	Preformed Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	1,028.83
		Note: Approximate overall dimensions: 11-1/4' width x 13-1/4' height.	
32 17 23 33-0065	EA	Preformed Elongated Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	370.49
		Note: Approximate overall dimensions: 1-2/3' width x 12' height.	
32 17 23 33-0066	EA	Preformed Elongated Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	411.14
		Note: Approximate overall dimensions: 3' width x 12' height.	
32 17 23 33-0067	EA	Preformed Elongated Dual Turn Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	756.52
		Note: Approximate overall dimensions: 5-1/2' width x 12' height.	
32 17 23 33-0068	EA	Preformed Elongated Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	695.71
		Note: Approximate overall dimensions: 3-1/2' width x 20' height.	
32 17 23 33-0069	EA	Preformed Elongated Dual Turn And Through Lane Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	698.99
		Note: Approximate overall dimensions: 5-1/2' width x 20' height.	
32 17 23 33-0070	EA	Preformed Lane-Reduction Arrow, 90 Mil Thick, Thermoplastic Reflective Pavement Marking Tape .....	960.31
		Note: Approximate overall dimensions: 5-1/2' width x 18' height.	

**32 17 23 33-0071 Thermoplastic Pavement Striping, Letters And Symbols For Parking Areas**

(32 17 23 33)

**32 17 23 33-0072 Thermoplastic Pavement Marking Symbols For Parking Areas** (32 17 23 33-0071)

Note: Heat applied. (Flint PreMark Series).

32 17 23 33-0073	EA	28" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas .....	141.33
		Note: White or blue symbol. Excludes striping.	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 17 23 33-0074	EA		39" Handicap Symbol For Standard Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	528.09	
			Note: Approximate overall dimensions: 2-2/3" width x 3' height. White or blue symbol. Excludes striping.		
32 17 23 33-0075	EA		40" x 40" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	299.66	
			Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0076	EA		45" x 45" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	359.79	
			Note: White symbol on blue background. Excludes striping.		
32 17 23 33-0077	EA		48" x 48" Handicap Symbol For Van Parking Stalls, 90 Mil Thick, Thermoplastic Pavement Marking Tape For Parking Areas.....	377.05	
			Note: White symbol on blue background. Excludes striping.		

**32 17 26 Tactile Warning Surfaces (32 17)**

32 17 26 00-0001			Vitrified Polymer Composite (VPC); (Armor Tile) (32 17 26)		
			Note: Truncated dome, raised strips or directional bars. All colors.		
32 17 26 00-0002	SF		Surface Applied VPC Truncated Dome Detectable Warning Surface.....	78.07	13.04
			Note: Includes adhesive, fasteners and sealant at perimeter. Also raised strips or directional bars. All colors.		
32 17 26 00-0003	SF		Embedded, VPC Truncated Dome Detectable Warning Surface.....	61.13	13.04
			Note: Also raised strips or directional bars. All colors.		
32 17 26 00-0004			Cast Iron Detectable Warning Plates (32 17 26)		
			Note: Natural finish.		
32 17 26 00-0005			Embedded, Cast Iron Detectable Warning Plates (32 17 26 00-0004)		
			Note: Includes bedding concrete.		
32 17 26 00-0006	SY		Embedded, Cast Iron Detectable Warning Plates.....	706.79	

**32 18 Athletic and Recreational Surfacing (32 18)**

**32 18 16 Synthetic Resilient Surfacing (32 18)**

**32 18 16 13 Playground Protective Surfacing (32 18 16)**

32 18 16 13-0001			Tile Playground Surface Material (32 18 16 13)		
			Note: Black. With or without channel bottom. Includes transition section and curbs. Excludes sub base.		
32 18 16 13-0002	SF		1-3/4" Thick, Resilient Rubber Tile Playground Surfacing.....	26.38	3.39
			For Manufacturer's Standard Colors, Add	1.46	
			For Mechanically Fastened, Add	2.43	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0003	SF		2" Thick, Resilient Rubber Tile Playground Surfacing.....	27.02	3.58
			For Manufacturer's Standard Colors, Add	1.46	
			For Mechanically Fastened, Add	2.55	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0004	SF		2-1/4" Thick, Resilient Rubber Tile Playground Surfacing.....	28.29	4.01
			For Manufacturer's Standard Colors, Add	1.46	
			For Mechanically Fastened, Add	2.81	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0005	SF		2-1/2" Thick, Resilient Rubber Tile Playground Surfacing.....	29.55	4.43
			For Manufacturer's Standard Colors, Add	1.46	
			For Mechanically Fastened, Add	3.06	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0006	SF		2-3/4" Thick, Resilient Rubber Tile Playground Surfacing.....	32.92	4.85
			For Manufacturer's Standard Colors, Add	1.10	
			For Mechanically Fastened, Add	3.31	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0007	SF		3" Thick, Resilient Rubber Tile Playground Surfacing.....	34.31	5.32
			For Manufacturer's Standard Colors, Add	1.10	
			For Mechanically Fastened, Add	3.59	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0008	SF		3-1/4" Thick, Resilient Rubber Tile Playground Surfacing.....	35.77	5.80
			For Manufacturer's Standard Colors, Add	1.10	
			For Mechanically Fastened, Add	3.88	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0009	SF		3-1/2" Thick, Resilient Rubber Tile Playground Surfacing.....	39.23	6.20
			For Manufacturer's Standard Colors, Add	0.61	
			For Mechanically Fastened, Add	4.15	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0010	SF		3-3/4" Thick, Resilient Rubber Tile Playground Surfacing.....	40.50	6.71
			For Manufacturer's Standard Colors, Add	0.61	
			For Mechanically Fastened, Add	4.40	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0011	SF		4" Thick, Resilient Rubber Tile Playground Surfacing.....	41.89	7.09
			For Manufacturer's Standard Colors, Add	0.61	
			For Mechanically Fastened, Add	4.68	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0012	SF		4-1/2" Thick, Resilient Rubber Tile Playground Surfacing.....	48.08	7.99
			For Manufacturer's Standard Colors, Add	0.60	
			For Mechanically Fastened, Add	5.21	
			For Ethylene Propylene Diene Monomer (EPDM) Top Wearing Surface, Add	1.50	
32 18 16 13-0013			Loose Laid Playground Surface Material (32 18 16 13)		
			Note: Excludes sub base.		
32 18 16 13-0014	SF		3" Loose Laid Wood Fiber Safety Playground Surfacing.....	2.29	0.51
32 18 16 13-0015	SF		6" Loose Laid Wood Fiber Safety Playground Surfacing.....	3.02	0.63



**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 18 Athletic and Recreational Surfacing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 18 16 13-0016	SF 9" Loose Laid Wood Fiber Safety Playground Surfacing .....	3.83	0.76
32 18 16 13-0017	SF 12" Loose Laid Wood Fiber Safety Playground Surfacing .....	5.42	1.14
32 18 16 13-0018	SF 3" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	3.29	0.51
32 18 16 13-0019	SF 6" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	4.07	0.63
32 18 16 13-0020	SF 9" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	6.13	0.76
32 18 16 13-0021	SF 12" Loose Laid Synthetic Fiber Safety Playground Surfacing .....	7.74	1.14
32 18 16 13-0022	SF 8" FIBAR System Playground Surfacing .....	13.17	1.90
	Note: Includes drainage system on 6" centers, felt, edge railing and 8" wood fiber.		
32 18 16 13-0023	SF 12" FIBAR System Playground Surfacing .....	16.83	2.54
	Note: Includes drainage system on 6" centers, felt, edge railing and 12" wood fiber.		
<b>32 18 16 13-0024</b>	<b>Poured In Place Playground Surfacing</b> <small>(32 18 16 13)</small>		
	Note: Includes SBR base mat, 100% color ethylene propylene diene monomer (EPDM) top surface and 5 year warranty. Includes primer for base mat and top surface. Excludes base preparation.		
32 18 16 13-0025	SF 1-3/4" Thick, Up To 4' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	22.42	3.80
	For Up To 2,000, Add	4.97	
	For >2,000 To 3,000, Add	3.49	
	For >3,000 To 4,000, Add	2.37	
	For >4,000 To 5,000, Add	1.51	
	For >5,000 To 7,000, Add	0.62	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0026	SF 2" Thick, 5' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	23.14	4.22
	For Up To 2,000, Add	5.13	
	For >2,000 To 3,000, Add	3.60	
	For >3,000 To 4,000, Add	2.44	
	For >4,000 To 5,000, Add	1.56	
	For >5,000 To 7,000, Add	0.64	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0027	SF 2-1/2" Thick, 6' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	24.97	4.82
	For Up To 2,000, Add	5.53	
	For >2,000 To 3,000, Add	3.88	
	For >3,000 To 4,000, Add	2.64	
	For >4,000 To 5,000, Add	1.68	
	For >5,000 To 7,000, Add	0.69	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0028	SF 3" Thick, 7' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	26.97	5.13
	For Up To 2,000, Add	5.98	
	For >2,000 To 3,000, Add	4.20	
	For >3,000 To 4,000, Add	2.85	
	For >4,000 To 5,000, Add	1.81	
	For >5,000 To 7,000, Add	0.75	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0029	SF 3-1/2" Thick, 8' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	28.96	5.39
	For Up To 2,000, Add	6.42	
	For >2,000 To 3,000, Add	4.51	
	For >3,000 To 4,000, Add	3.06	
	For >4,000 To 5,000, Add	1.95	
	For >5,000 To 7,000, Add	0.80	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0030	SF 4" Thick, 9' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	30.66	5.70
	For Up To 2,000, Add	6.79	
	For >2,000 To 3,000, Add	4.77	
	For >3,000 To 4,000, Add	3.24	
	For >4,000 To 5,000, Add	2.06	
	For >5,000 To 7,000, Add	0.85	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0031	SF 4-1/2" Thick, 10' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	32.66	6.02
	For Up To 2,000, Add	7.24	
	For >2,000 To 3,000, Add	5.08	
	For >3,000 To 4,000, Add	3.45	
	For >4,000 To 5,000, Add	2.20	
	For >5,000 To 7,000, Add	0.91	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0032	SF 5-1/2" Thick, 12' Critical Fall Height, Poured In Place Rubber Playground Surfacing .....	36.63	6.74
	For Up To 2,000, Add	8.11	
	For >2,000 To 3,000, Add	5.70	
	For >3,000 To 4,000, Add	3.87	
	For >4,000 To 5,000, Add	2.46	
	For >5,000 To 7,000, Add	1.02	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0033	SF 1/2" Top Only, Poured In Place Playground Surfacing .....	14.64	
	Note: Not used with new surfacing system tasks.		
	For Up To 2,000, Add	4.94	
	For >2,000 To 3,000, Add	3.18	
	For >3,000 To 4,000, Add	1.93	
	For >4,000 To 5,000, Add	1.16	
	For >5,000 To 7,000, Add	0.52	
	For Aliphatic (Non-Yellowing) Binder, Add	4.37	
	For Each 10% Of Area In Black Instead Of Color, Deduct	-0.61	
32 18 16 13-0034	EA Simple Graphics Including Hopscotch, Four Square Or Geometric Shapes (5 Per 1,000 SF) For Poured In Place Playground Surfacing .....	3,741.46	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>32 18 16 13-0035</b>			<b>Synthetic Playground Turf (Sporturf)</b> <small>(32 18 16 13)</small>		
<small>Note: Excludes base preparation, aggregate, or drainage.</small>					
32 18 16 13-0036	SF		60 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Sporturf PL929).....	11.55	
32 18 16 13-0037	SF		71 OZ/SY Face Weight, Tufted Polyethylene Monofilament Classic Spine/ Texturized Polypropylene Synthetic Turf (Mirage PL906).....	10.25	
32 18 16 13-0038	SF		2" Foam Padding (Sporturf).....	6.70	
32 18 16 13-0039	CF		Sand/Rubber Infill (Sporturf).....	72.60	

**32 18 23 Athletic Surfacing** (32 18)

**32 18 23 29 Synthetic Field Sport Surfacing** (32 18 23)

<b>32 18 23 29-0001</b>			<b>Synthetic Field Sport Surfacing</b> <small>(32 18 23 29)</small>		
<b>32 18 23 29-0002</b>			<b>Synthetic Turf (AstroTurf)</b> <small>(32 18 23 29-0001)</small>		
<small>Note: Includes labor, equipment and material required to install the task.</small>					
<b>32 18 23 29-0003</b>			<b>Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT)</b> <small>(32 18 23 29-0002)</small>		
<b>32 18 23 29-0004</b>			<b>38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 38)</b> <small>(32 18 23 29-0003)</small>		
32 18 23 29-0005	SF		38 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 38).....	9.26	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0006	EA		Football Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	28,026.03	
32 18 23 29-0007	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	22,843.86	
32 18 23 29-0008	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 38 Fields.....	6,874.31	
<small>Note: Per sport.</small>					
32 18 23 29-0009	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 38 Fields.....	2,538.21	
<small>Note: Per letter. Excludes outline.</small>					
32 18 23 29-0010	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 38 Fields.....	2,432.45	
<small>Note: Per endzone.</small>					
32 18 23 29-0011	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	21,151.72	
<small>Note: Block letter.</small>					
32 18 23 29-0012	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 38 Fields.....	30,669.99	
<small>Note: Graphic.</small>					

**32 18 23 29-0013 41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 41)** (32 18 23 29-0003)

32 18 23 29-0014	SF		41 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 41).....	10.54	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0015	EA		Football Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	28,554.99	
32 18 23 29-0016	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	23,690.07	
32 18 23 29-0017	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 41 Fields.....	7,403.15	
<small>Note: Per sport.</small>					
32 18 23 29-0018	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,749.74	
<small>Note: Per letter. Excludes outline.</small>					
32 18 23 29-0019	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 41 Fields.....	2,538.22	
<small>Note: Per endzone.</small>					
32 18 23 29-0020	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	22,209.44	
<small>Note: Block letter.</small>					
32 18 23 29-0021	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 41 Fields.....	32,203.69	
<small>Note: Graphic.</small>					

**32 18 23 29-0022 45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ MT 45)** (32 18 23 29-0003)

32 18 23 29-0023	SF		45 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Ambient Rubber Infill (AstroTurf® GameDay Grass™ MT 45).....	10.72	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0024	EA		Football Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	29,083.79	
32 18 23 29-0025	EA		Baseball Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	25,593.73	
32 18 23 29-0026	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ MT 45 Fields.....	7,931.94	
<small>Note: Per sport.</small>					
32 18 23 29-0027	EA		Endzone Lettering For AstroTurf® GameDay Grass™ MT 45 Fields.....	2,961.26	
<small>Note: Per letter. Excludes outline.</small>					
32 18 23 29-0028	EA		Colored Endzone For AstroTurf® GameDay Grass™ MT 45 Fields.....	2,643.98	
<small>Note: Per endzone.</small>					
32 18 23 29-0029	EA		Simple Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	23,267.03	
<small>Note: Block letter.</small>					
32 18 23 29-0030	EA		Deluxe Logo For AstroTurf® GameDay Grass™ MT 45 Fields.....	33,737.20	
<small>Note: Graphic.</small>					

**32 Exterior Improvements**

**32 10 Bases, Ballasts, and Paving**

**32 18 Athletic and Recreational Surfacing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 18 23 29-0031			Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D) <small>(32 18 23 29-0002)</small>		
32 18 23 29-0032			52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0033	SF		52 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 52) .....	11.92	
			<i>For Ambient Rubber And Sand Infill, Add</i> .....	0.10	
			<i>For Cryo Rubber Infill, Add</i> .....	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> .....	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i> .....	0.30	
32 18 23 29-0034	EA		Football Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	30,141.20	
32 18 23 29-0035	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	32,150.61	
32 18 23 29-0036	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	8,989.48	
			Note: Per sport.		
32 18 23 29-0037	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	3,384.28	
			Note: Per letter. Excludes outline.		
32 18 23 29-0038	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	2,855.48	
			Note: Per endzone.		
32 18 23 29-0039	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	25,382.06	
			Note: Block letter.		
32 18 23 29-0040	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 52 Fields .....	36,803.99	
			Note: Graphic.		
32 18 23 29-0041			60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3DX 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0042	SF		60 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3DX 60) .....	12.30	
			<i>For Ambient Rubber And Sand Infill, Add</i> .....	0.10	
			<i>For Cryo Rubber Infill, Add</i> .....	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> .....	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i> .....	0.30	
32 18 23 29-0043	EA		Football Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	30,669.99	
32 18 23 29-0044	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	35,746.41	
32 18 23 29-0045	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	9,518.27	
			Note: Per sport.		
32 18 23 29-0046	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	3,595.79	
			Note: Per letter. Excludes outline.		
32 18 23 29-0047	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	2,961.24	
			Note: Per endzone.		
32 18 23 29-0048	EA		Simple Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	26,439.65	
			Note: Block letter.		
32 18 23 29-0049	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3DX 60 Fields .....	38,337.49	
			Note: Graphic.		
32 18 23 29-0050			52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 52) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0051	SF		52 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 52) .....	12.32	
			<i>For Ambient Rubber And Sand Infill, Add</i> .....	0.10	
			<i>For Cryo Rubber Infill, Add</i> .....	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> .....	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i> .....	0.30	
32 18 23 29-0052	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 52 Fields .....	31,198.79	
32 18 23 29-0053	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 52 Fields .....	35,957.92	
32 18 23 29-0054	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 52 Fields .....	10,047.07	
			Note: Per sport.		
32 18 23 29-0055	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 52 Fields .....	3,807.31	
			Note: Per letter. Excludes outline.		
32 18 23 29-0056	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 52 Fields .....	3,067.00	
			Note: Per endzone.		
32 18 23 29-0057	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 52 Fields .....	27,497.24	
			Note: Block letter.		
32 18 23 29-0058	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 52 Fields .....	39,870.99	
			Note: Graphic.		
32 18 23 29-0059			60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ 3D 60) <small>(32 18 23 29-0031)</small>		
32 18 23 29-0060	SF		60 Oz/SY Face Weight, Tufted Monofilament Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ 3D 60) .....	12.54	
			<i>For Ambient Rubber And Sand Infill, Add</i> .....	0.10	
			<i>For Cryo Rubber Infill, Add</i> .....	0.20	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i> .....	0.25	
			<i>For Cryo Rubber And Sand Infill, Add</i> .....	0.30	
32 18 23 29-0061	EA		Football Markings For AstroTurf® GameDay Grass™ 3D 60 Fields .....	31,727.58	
32 18 23 29-0062	EA		Baseball Markings For AstroTurf® GameDay Grass™ 3D 60 Fields .....	38,284.61	
32 18 23 29-0063	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ 3D 60 Fields .....	10,575.86	
			Note: Per sport.		
32 18 23 29-0064	EA		Endzone Lettering For AstroTurf® GameDay Grass™ 3D 60 Fields .....	4,230.34	
			Note: Per letter. Excludes outline.		
32 18 23 29-0065	EA		Colored Endzone For AstroTurf® GameDay Grass™ 3D 60 Fields .....	3,172.76	
			Note: Per endzone.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 18 23 29-0066	EA		Simple Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Block letter.	28,554.82	
32 18 23 29-0067	EA		Deluxe Logo For AstroTurf® GameDay Grass™ 3D 60 Fields..... Note: Graphic.	41,404.49	
<b>32 18 23 29-0068</b>			<b>Tufted Monofilament Polyethylene Synthetic Turf (AstroTurf® GameDay Grass™ XPe)</b> (32 18 23 29-0002)		
<b>32 18 23 29-0069</b>			<b>38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 38)</b> (32 18 23 29-0068)		
32 18 23 29-0070	SF		38 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 38) .....	10.15	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0071	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	26,968.60	
32 18 23 29-0072	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	19,882.74	
32 18 23 29-0073	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 38 Fields .....	5,816.76	
			Note: Per sport.		
32 18 23 29-0074	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,115.18	
			Note: Per letter. Excludes outline.		
32 18 23 29-0075	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 38 Fields.....	2,220.94	
			Note: Per endzone.		
32 18 23 29-0076	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 38 Fields.....	19,036.66	
			Note: Block letter.		
32 18 23 29-0077	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 38 Fields .....	27,603.16	
			Note: Graphic.		
<b>32 18 23 29-0078</b>			<b>42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone (AstroTurf® GameDay Grass™ XPe 42)</b> (32 18 23 29-0068)		
32 18 23 29-0079	SF		42 Oz/SY Face Weight, Tufted Slit-Film Polyethylene Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® GameDay Grass™ XPe 42) .....	9.00	
			<i>For Ambient Rubber And Sand Infill, Add</i>	0.10	
			<i>For Cryo Rubber Infill, Add</i>	0.26	
			<i>For Ethylene Propylene Diene Monomer (EPDM) Rubber Infill, Add</i>	0.31	
			<i>For Cryo Rubber And Sand Infill, Add</i>	0.36	
32 18 23 29-0080	EA		Football Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	27,497.24	
32 18 23 29-0081	EA		Baseball Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	21,151.72	
32 18 23 29-0082	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® GameDay Grass™ XPe 42 Fields .....	6,345.52	
			Note: Per sport.		
32 18 23 29-0083	EA		Endzone Lettering For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,326.69	
			Note: Per letter. Excludes outline.		
32 18 23 29-0084	EA		Colored Endzone For AstroTurf® GameDay Grass™ XPe 42 Fields.....	2,326.69	
			Note: Per endzone.		
32 18 23 29-0085	EA		Simple Logo For AstroTurf® GameDay Grass™ XPe 42 Fields.....	20,094.13	
			Note: Block letter.		
32 18 23 29-0086	EA		Deluxe Logo For AstroTurf® GameDay Grass™ XPe 42 Fields .....	29,136.49	
			Note: Graphic.		
<b>32 18 23 29-0087</b>			<b>Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®)</b> (32 18 23 29-0002)		
32 18 23 29-0088	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Attached Pad (AstroTurf® PureGrass®).....	19.33	
32 18 23 29-0089	SF		Tufted Monofilament Nylon Synthetic Turf With Nylon Root Zone And Ambient Rubber Infill (AstroTurf® PureGrass®) .....	17.38	
32 18 23 29-0090	EA		Football Markings For AstroTurf® PureGrass® Fields .....	52,184.97	
32 18 23 29-0091	EA		Baseball Markings For AstroTurf® PureGrass® Fields .....	61,997.53	
32 18 23 29-0092	EA		Soccer, Lacrosse, Softball Or Field Hockey Markings For AstroTurf® PureGrass® Fields .....	15,164.86	
			Note: Per sport.		
32 18 23 29-0093	EA		Endzone Lettering For AstroTurf® PureGrass® Fields.....	5,798.33	
			Note: Per letter. Excludes outline.		
32 18 23 29-0094	EA		Colored Endzone For AstroTurf® PureGrass® Fields .....	4,303.92	
			Note: Per endzone.		
32 18 23 29-0095	EA		Simple Logo For AstroTurf® PureGrass® Fields.....	38,735.24	
			Note: Block letter.		
32 18 23 29-0096	EA		Deluxe Logo For AstroTurf® PureGrass® Fields .....	56,868.24	
			Note: Graphic.		
<b>32 18 23 29-0097</b>			<b>Synthetic Turf (G9 Turf)</b> (32 18 23 29-0001)		
			Note: Includes labor, equipment and material required to install the task.		
32 18 23 29-0098	SF		2-1/2" Height, 53 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Playmaker Turf) .....	10.98	
			Note: For football and multi-sport fields. Excludes preparation of sub-base, grooming, sports lines and logos.		
			<i>For &gt;35,000, Deduct</i>	-1.01	
32 18 23 29-0099	SF		2" Height, 48 Ounce, Tufted 3/8" Gauge Monofilament Synthetic Turf With Thatch Layer And Ethylene Propylene Diene Monomer (EPDM) Infill (G9 Turf Striker Turf).....	10.88	
			Note: For all sports other than football. Excludes preparation of sub-base, grooming, sports lines and logos.		
			<i>For &gt;35,000, Deduct</i>	-1.00	
32 18 23 29-0100	SF		1-3/4" Height, 72 Ounce, Tufted 3/8" Gauge, Two-Color Monofilament Synthetic Turf With Thatch Layer And Acrylic Coated Sand Infill (G9 Turf Perennial Turf).....	11.34	
			Note: For landscaped areas or playgrounds. Excludes preparation of sub-base, grooming, sports lines and logos.		
32 18 23 29-0101	EA		Football Inlays For G9 Synthetic Turf .....	72,159.26	
			Note: Includes field grid, numbers, arrows, coach's box and kick off lines.		

**32 Exterior Improvements****32 10 Bases, Ballasts, and Paving****32 18 Athletic and Recreational Surfacing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 18 23 29-0102	EA	Soccer Inlays For G9 Synthetic Turf .....	31,269.01	
32 18 23 29-0103	EA	Boys Lacrosse Inlays For G9 Synthetic Turf .....	31,269.01	
32 18 23 29-0104	EA	Girls Lacrosse Inlays For G9 Synthetic Turf .....	31,269.01	
32 18 23 29-0105	EA	Field Hockey Inlays For G9 Synthetic Turf .....	31,269.01	
32 18 23 29-0106	EA	Endzone Lettering For G9 Synthetic Turf .....	3,607.96	
		Note: Priced per letter. Includes single color outlining.		
32 18 23 29-0107	SF	Ethylene Propylene Diene Monomer (EPDM) Black Infill For G9 Synthetic Turf .....	3.38	
32 18 23 29-0108	SF	Ethylene Propylene Diene Monomer (EPDM) Color Infill For G9 Synthetic Turf .....	8.82	
32 18 23 29-0109	SF	Styrene-Butadiene Rubber (SBR) Infill For G9 Synthetic Turf .....	2.52	
32 18 23 29-0110	SF	Sand Infill For G9 Synthetic Turf .....	1.27	
32 18 23 29-0111	SF	Acrylic Coated Sand Infill For G9 Synthetic Turf .....	2.09	
32 18 23 29-0112	EA	Gmax Compaction And Hardness Test For G9 Synthetic Turf .....	2,405.31	
		Note: Includes a comprehensive report.		
32 18 23 29-0113	EA	Safety Bridge Over Track For G9 Synthetic Turf .....	24,053.09	
32 18 23 29-0114	SF	Clean And Groom Synthetic Turf .....	0.79	
		Note: Includes using equipment to pick up metal particles in the field, air vacuum the top 2-5 mm of infill, clean and screen to remove broken strands, dirt, bandage, etc.		
		For >10,000 To 30,000, Deduct	-0.32	
		For >30,000 To 60,000, Deduct	-0.55	
		For >60,000, Deduct	-0.60	
32 18 23 29-0115	SF	Rejuvenate Synthetic Turf And Reinstall Existing Infill .....	5.39	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes reinstalling the old infill that was removed.		
32 18 23 29-0116	SF	Rejuvenate Synthetic Turf For Installation Of New Infill .....	5.99	
		Note: Includes using equipment to extract 10 to 20 mm of infill by delivering high pressure air into the carpet, decompacting the surface and driving out the infill leaving the fiber standing straight up. Includes disposing of the old infill. Excludes new infill.		
32 18 23 29-0117	SF	Drainage Layer For G9 Synthetic Turf .....	4.91	
		Note: Used for drainage over asphalt or on roof tops.		
32 18 23 29-0118	SF	15 mm, Shock Pad For G9 Synthetic Turf .....	3.02	
		Note: Used for additional Gmax for a stone base field.		
32 18 23 29-0119	EA	Single Visit Repair Call To Repair Up To 300 LF Of Inlay Lines Or Seams On G9 Synthetic Turf .....	4,793.60	
		Note: Includes field inspection and report.		
32 18 23 29-0120	LF	Repair Inlay Lines Or Seams On G9 Synthetic Turf .....	13.18	
		Note: Linear foot price for repairs over the initial repair call maximum of 300 LF.		
32 18 23 29-0121	LF	Nailer Used To Attach G9 Synthetic Turf .....	5.27	
32 18 23 29-0122	SF	Removal And Recycling Of Existing Field .....	3.72	
		Note: Includes removal, shipping and recycling of infill, fibers and backing.		

**32 30 Site Improvements** <sup>(32)</sup>**32 31 Fences and Gates** <sup>(32 30)</sup>**32 31 11 Gate Operators** <sup>(32 31)</sup>

32 31 11 00-0001		Gate Operators <sup>(32 31 11)</sup>		
		Note: Excludes gates, electrical connections, access controls and concrete foundation.		
32 31 11 00-0002		Gate Operators (DKS™ DoorKing®) <sup>(32 31 11 00-0001)</sup>		
32 31 11 00-0003		Swing Gate Actuator (DKS™ DoorKing®) <sup>(32 31 11 00-0002)</sup>		
32 31 11 00-0004		Single Gate, Swing Gate Actuator <sup>(32 31 11 00-0003)</sup>		
32 31 11 00-0005	EA	Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) .....	2,161.90	308.21
		Note: Includes one primary operator with a 10' wide gate capacity.		
32 31 11 00-0006	EA	Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) .....	2,831.61	308.21
		Note: Includes one primary operator with a 14' wide gate capacity.		
32 31 11 00-0007		Dual Gate, Swing Gate Actuator <sup>(32 31 11 00-0003)</sup>		
32 31 11 00-0008	EA	Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6003) .....	4,323.81	616.42
		Note: Includes one primary and one secondary operator each with a 10' wide gate capacity.		
32 31 11 00-0009	EA	Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Actuator (DKS™ DoorKing® 6002) .....	5,663.23	616.42
		Note: Includes one primary and one secondary operator each with a 14' wide gate capacity.		
32 31 11 00-0010		Swing Gate Operators (DKS™ DoorKing®) <sup>(32 31 11 00-0002)</sup>		
32 31 11 00-0011		Single Gate, Swing Gate Operators <sup>(32 31 11 00-0010)</sup>		
32 31 11 00-0012	EA	400 LB Capacity, Up To 10' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6050) .....	4,256.88	308.21
		Note: Includes one primary operator with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0013	EA	500 LB Capacity, Up To 14' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6100) .....	4,617.50	308.21
		Note: Includes one primary operator with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0014	EA	700 LB Capacity, Up To 18' Wide Gate, 1/2 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....	6,214.49	308.21
		Note: Includes one primary operator with an 18' wide and 700 LB gate capacity.		
		For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0015	EA	800 LB Capacity, Up To 22' Wide Gate, 1 HP Motor, 115 Volt AC, Single Gate, Swing Gate Operator (DKS™ DoorKing® 6500) .....	7,021.58	308.21
		Note: Includes one primary operator with a 22' wide and 800 LB gate capacity.		
		For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0016		Dual Gate, Swing Gate Operators <sup>(32 31 11 00-0010)</sup>		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 11 00-0017	EA		400 LB Capacity, Up To 10' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6050).....	7,569.32	616.42
			Note: Includes one primary and one secondary operator each with a 10' wide and 400 LB gate capacity.		
32 31 11 00-0018	EA		500 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6100).....	8,290.54	616.42
			Note: Includes one primary and one secondary operator each with a 14' wide and 500 LB gate capacity.		
32 31 11 00-0019	EA		700 LB Capacity, Up To 14' Wide Gates, 1/2 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	11,467.36	616.42
			Note: Includes one primary and one secondary operator each with an 18' wide and 700 LB gate capacity.		
			For 208/230/460 Volt AC, Add	322.50	
32 31 11 00-0020	EA		800 LB Capacity, Up To 22' Wide Gates, 1 HP Motor, 115 Volt AC, Dual Gate, Swing Gate Operator (DKS™ DoorKing® 6500).....	13,236.08	616.42
			Note: Includes one primary and one secondary operator each with a 22' wide and 800 LB gate capacity.		
			For 208/230/460 Volt AC, Add	322.50	
<b>32 31 11 00-0021</b>			<b>Sliding Gate Operators (DKS™ DoorKing®)</b> (32 31 11 00-0002)		
			Note: Includes 20' of chain. See CSI section 32 31 11 00-0030 for additional chain over 20'.		
32 31 11 00-0022	EA		300 LB Capacity, Up To 16' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9050).....	2,075.43	308.21
			Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0023	EA		1,000 LB Capacity, Up To 30' Wide Gate, 1/2 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9100).....	2,861.91	369.86
			Note: Includes operator, chain brackets, hardware and 20' of #41 chain.		
32 31 11 00-0024	EA		1,500 LB Capacity, Up To 45' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9150).....	3,480.89	369.86
			Note: Includes operator, chain brackets, hardware and 20' of #40 chain.		
32 31 11 00-0025	EA		3,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 115 Volt AC, Sliding Gate Operator (DKS™ DoorKing® 9210).....	4,510.52	431.50
			Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0026	EA		2,000 LB Capacity, Up To 100' Wide Gate, 1 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9220).....	5,465.51	431.50
			Note: Includes operator, chain brackets, hardware and 20' of #50 chain.		
32 31 11 00-0027	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, Variable Speed, Sliding Gate Operator (DKS™ DoorKing® 9230).....	7,392.66	493.14
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0028	EA		5,000 LB Capacity, Up To 100' Wide Gate, 3 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9530).....	12,127.82	493.14
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
32 31 11 00-0029	EA		10,000 LB Capacity, Up To 160' Wide Gate, 5 HP Motor, 208/230 Volt AC, High Speed, Sliding Gate Operator (DKS™ DoorKing® 9550).....	20,368.53	554.78
			Note: Includes operator, chain brackets, hardware and 20' of #60 chain.		
<b>32 31 11 00-0030</b>			<b>Accessories For Gate Actuators And Operators (DKS™ DoorKing®)</b> (32 31 11 00-0002)		
32 31 11 00-0031	EA		Single Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9410).....	774.08	
32 31 11 00-0032	EA		Two Channel Detector Loop For Gate Actuators And Operators (DKS™ DoorKing® 9409).....	1,512.09	
32 31 11 00-0033	EA		Heater Kit For Gate Actuators And Operators (DKS™ DoorKing® 1601).....	933.45	
32 31 11 00-0034	EA		Photoelectric Eye For Gate Actuators And Operators (DKS™ DoorKing® 8080-031).....	1,039.57	
32 31 11 00-0035	EA		Reversing Edge Sensor For Gate Actuators And Operators (DKS™ DoorKing® 8080-020).....	936.54	
32 31 11 00-0036	EA		Post Mount Base Plate For Gate Actuators And Operators (DKS™ DoorKing® 9310).....	687.54	
32 31 11 00-0037	LF		#40 Chain For Sliding Gate Operators.....	6.30	
32 31 11 00-0038	LF		#41 Chain For Sliding Gate Operators.....	6.56	
32 31 11 00-0039	LF		#50 Chain For Sliding Gate Operators.....	8.28	
32 31 11 00-0040	LF		#60 Chain For Sliding Gate Operators.....	12.53	
32 31 11 00-0041	EA		Exterior Keypad Gate Operator (Linear AK-11).....	818.54	193.05
<b>32 31 11 00-0042</b>			<b>Sliding Gate Operator (LiftMaster)</b> (32 31 11 00-0001)		
32 31 11 00-0043	EA		Up To 1,500 LB Capacity, 120/230 Volt, Single Phase, Sliding Gate Operator With 24 Volt DC Motor (Liftmaster® CSL24U).....	3,059.68	375.43
			Note: Includes 30' Chain, Retro-Reflective Photoelectric Sensor and Reflector Hoods (LMRRUL) and 5' Resistive Safety Edge (S505AL).		
			For Monitored Wireless Edge Receiver And Transmitter Option (Liftmaster LMWEKITU), Add	191.03	
			For Plug-In Loop Detector Option (Liftmaster LOOPDETLM), Add	136.74	
			For LED Strobe Light With Siren (Liftmaster SL-1301-SAQ), Add	67.34	
			For 10 Watt Solar Panel (Liftmaster SP10W12V), Add	270.67	
			For Each Additional 10' Chain, Add	40.54	
<b>32 31 13</b>			<b>Chain Link Fences and Gates</b> (32 31)		
<b>32 31 13 13</b>			<b>Chain Link Fences and Gates</b> (32 31 13)		
32 31 13 13-0001			<b>Post Holes</b> (32 31 13 13)		
			Note: Excludes spreading of excess material on site or loading and removal of excavated material from site. See CSI section 02 41 19 13-0025 for core drilling in concrete, 02 41 19 13-0163 for core drilling in asphalt.		
32 31 13 13-0002			<b>Auger By Machine Fence Post Hole In Soil</b> (32 31 13 13-0001)		
32 31 13 13-0003	VLF		Up To 2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	12.61	
32 31 13 13-0004	VLF		2-1/2" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	14.19	
32 31 13 13-0005	VLF		3" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	16.82	
32 31 13 13-0006	VLF		4" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	18.92	
32 31 13 13-0007	VLF		6" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	20.64	
32 31 13 13-0008	VLF		8" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	22.70	
32 31 13 13-0009	VLF		10" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	25.22	
32 31 13 13-0010	VLF		12" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	28.38	
32 31 13 13-0011	VLF		18" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	32.44	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0012	VLF		24" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	37.85	
32 31 13 13-0013	VLF		30" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	45.41	
32 31 13 13-0014	VLF		36" Diameter Hole, Auger By Machine Fence Post Hole In Soil.....	56.76	
<b>32 31 13 13-0015</b>			<b>Post Hole In Rock</b> (32 31 13 13-0001)		
32 31 13 13-0016	CF		Jackhammer Post Hole In Rock.....	99.58	
32 31 13 13-0017	CF		Rock Drill Post Hole In Rock.....	24.57	
<b>32 31 13 13-0018</b>			<b>Fill For Post Holes</b> (32 31 13 13-0001)		
<b>32 31 13 13-0019</b>			<b>Concrete Fill For Post Holes</b> (32 31 13 13-0018)		
32 31 13 13-0020	VLF		Up To 2-1/2" Diameter, Concrete Fill For Post Hole.....	7.13	
32 31 13 13-0021	VLF		2-1/2" Diameter, Concrete Fill For Post Hole.....	9.18	
32 31 13 13-0022	VLF		3" Diameter, Concrete Fill For Post Hole.....	10.00	
32 31 13 13-0023	VLF		4" Diameter, Concrete Fill For Post Hole.....	11.20	
32 31 13 13-0024	VLF		6" Diameter, Concrete Fill For Post Hole.....	15.61	
32 31 13 13-0025	VLF		8" Diameter, Concrete Fill For Post Hole.....	20.83	
32 31 13 13-0026	VLF		10" Diameter, Concrete Fill For Post Hole.....	25.38	
32 31 13 13-0027	VLF		12" Diameter, Concrete Fill For Post Hole.....	29.42	
32 31 13 13-0028	VLF		18" Diameter, Concrete Fill For Post Hole.....	39.23	
32 31 13 13-0029	VLF		24" Diameter, Concrete Fill For Post Hole.....	47.81	
32 31 13 13-0030	VLF		30" Diameter, Concrete Fill For Post Hole.....	56.10	
32 31 13 13-0031	VLF		36" Diameter, Concrete Fill For Post Hole.....	64.58	
<b>32 31 13 13-0032</b>			<b>Grout Fill For Post Holes</b> (32 31 13 13-0018)		
32 31 13 13-0033	VLF		Up To 2-1/2" Diameter, Grout Fill For Post Hole.....	8.71	
32 31 13 13-0034	VLF		2-1/2" Diameter, Grout Fill For Post Hole.....	11.25	
32 31 13 13-0035	VLF		3" Diameter, Grout Fill For Post Hole.....	12.12	
32 31 13 13-0036	VLF		4" Diameter, Grout Fill For Post Hole.....	13.34	
32 31 13 13-0037	VLF		6" Diameter, Grout Fill For Post Hole.....	18.41	
32 31 13 13-0038	VLF		8" Diameter, Grout Fill For Post Hole.....	24.57	
32 31 13 13-0039	VLF		10" Diameter, Grout Fill For Post Hole.....	29.84	
32 31 13 13-0040	VLF		12" Diameter, Grout Fill For Post Hole.....	34.44	
32 31 13 13-0041	VLF		18" Diameter, Grout Fill For Post Hole.....	45.10	
32 31 13 13-0042	VLF		24" Diameter, Grout Fill For Post Hole.....	54.14	
32 31 13 13-0043	VLF		30" Diameter, Grout Fill For Post Hole.....	62.80	
32 31 13 13-0044	VLF		36" Diameter, Grout Fill For Post Hole.....	71.53	
<b>32 31 13 13-0045</b>			<b>Compacted Earth Fill For Post Holes</b> (32 31 13 13-0018)		
32 31 13 13-0046	VLF		Up To 2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	6.86	
32 31 13 13-0047	VLF		2-1/2" Diameter, Compacted Earth Fill For Post Hole.....	8.93	
32 31 13 13-0048	VLF		3" Diameter, Compacted Earth Fill For Post Hole.....	9.33	
32 31 13 13-0049	VLF		4" Diameter, Compacted Earth Fill For Post Hole.....	9.62	
32 31 13 13-0050	VLF		6" Diameter, Compacted Earth Fill For Post Hole.....	12.84	
32 31 13 13-0051	VLF		8" Diameter, Compacted Earth Fill For Post Hole.....	17.12	
32 31 13 13-0052	VLF		10" Diameter, Compacted Earth Fill For Post Hole.....	20.55	
32 31 13 13-0053	VLF		12" Diameter, Compacted Earth Fill For Post Hole.....	23.29	
32 31 13 13-0054	VLF		18" Diameter, Compacted Earth Fill For Post Hole.....	28.38	
32 31 13 13-0055	VLF		24" Diameter, Compacted Earth Fill For Post Hole.....	31.85	
32 31 13 13-0056	VLF		30" Diameter, Compacted Earth Fill For Post Hole.....	34.93	
32 31 13 13-0057	VLF		36" Diameter, Compacted Earth Fill For Post Hole.....	37.67	
<b>32 31 13 13-0058</b>			<b>Chain Link Fence Assemblies</b> (32 31 13 13)		
<b>32 31 13 13-0059</b>			<b>Chain Link Fence Assembly With 2-1/2" Line Post And 3" Corner Posts</b> (32 31 13 13-0058)		
			Note: Includes 2" 9 gauge coiled spring mesh (knuckled selvedge), tension bars, post tension bands, wire ties, truss rod (at corners or posts), 1-5/8" top rail, 1-5/8" bottom rail, 2-1/2" line post and 3" corner posts. Posts exclude drilling or augering in soil or rock, concrete or soil fill. Heights indicated are from ground to top of installed pole. Minimum 2' bury with up to one third of exposed post height to be buried in ground. Excludes grounding. Demolition excludes concrete footing removal on posts and excavation. See CSI section 26 05 26 00-0000 for grounding, 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0633 for barb wire attachments.		
<b>32 31 13 13-0060</b>			<b>Galvanized</b> (32 31 13 13-0059)		
32 31 13 13-0061	LF		3' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	43.48	4.87
			For Surface Mount On Concrete (Excludes Drilling And Anchors), Add	3.13	
			For 13 Gauge Fabric, Deduct	-8.48	
			For 11 Gauge Fabric, Deduct	-4.96	
			For 6 Gauge Fabric, Add	7.79	
			For 1" Mesh Fabric, Add	10.62	
			For 1-3/4" Mesh Fabric, Add	4.25	
			For 2-1/8" Mesh Fabric, Deduct	-2.12	
			For 2-3/8" Mesh Fabric, Deduct	-2.83	
			For Posts 8' On Centers, Add	2.40	
			For Posts 5' On Centers, Add	9.07	
			For Up To 100, Add	8.43	
			For >100 To 250, Add	3.13	
			For >2,500 To 5,000, Deduct	-1.56	
			For >5,000, Deduct	-3.13	
			For 3/8" Non-Climbable Mesh, Add	33.34	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0062	LF 3'-6" Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	45.13	4.87
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.23	
			<i>For 13 Gauge Fabric, Deduct</i>	-8.95	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.23	
			<i>For 6 Gauge Fabric, Add</i>	8.22	
			<i>For 1" Mesh Fabric, Add</i>	11.21	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.48	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.24	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.99	
			<i>For Posts 8' On Centers, Add</i>	2.49	
			<i>For Posts 5' On Centers, Add</i>	9.38	
			<i>For Up To 100, Add</i>	8.71	
			<i>For &gt;100 To 250, Add</i>	3.23	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.61	
			<i>For &gt;5,000, Deduct</i>	-3.23	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	38.18	
32 31	13	13-0063	LF 4' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	46.60	4.87
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.31	
			<i>For 13 Gauge Fabric, Deduct</i>	-9.35	
			<i>For 11 Gauge Fabric, Deduct</i>	-5.46	
			<i>For 6 Gauge Fabric, Add</i>	8.59	
			<i>For 1" Mesh Fabric, Add</i>	11.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	4.68	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.34	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.12	
			<i>For Posts 8' On Centers, Add</i>	2.57	
			<i>For Posts 5' On Centers, Add</i>	9.67	
			<i>For Up To 100, Add</i>	8.96	
			<i>For &gt;100 To 250, Add</i>	3.31	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.66	
			<i>For &gt;5,000, Deduct</i>	-3.31	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	43.07	
32 31	13	13-0064	LF 5' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	50.00	4.87
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.52	
			<i>For 13 Gauge Fabric, Deduct</i>	-10.32	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.03	
			<i>For 6 Gauge Fabric, Add</i>	9.47	
			<i>For 1" Mesh Fabric, Add</i>	12.92	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.17	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.58	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.44	
			<i>For Posts 8' On Centers, Add</i>	2.74	
			<i>For Posts 5' On Centers, Add</i>	10.32	
			<i>For Up To 100, Add</i>	9.53	
			<i>For &gt;100 To 250, Add</i>	3.52	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.76	
			<i>For &gt;5,000, Deduct</i>	-3.52	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	52.15	
32 31	13	13-0065	LF 6' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	54.10	4.87
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.79	
			<i>For 13 Gauge Fabric, Deduct</i>	-11.29	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.59	
			<i>For 6 Gauge Fabric, Add</i>	10.36	
			<i>For 1" Mesh Fabric, Add</i>	14.13	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.65	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.83	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.77	
			<i>For Posts 8' On Centers, Add</i>	2.96	
			<i>For Posts 5' On Centers, Add</i>	11.14	
			<i>For Up To 100, Add</i>	10.28	
			<i>For &gt;100 To 250, Add</i>	3.79	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.89	
			<i>For &gt;5,000, Deduct</i>	-3.79	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	61.29	
32 31	13	13-0066	LF 7' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	56.14	7.31
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.93	
			<i>For 13 Gauge Fabric, Deduct</i>	-11.71	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.84	
			<i>For 6 Gauge Fabric, Add</i>	10.75	
			<i>For 1" Mesh Fabric, Add</i>	14.66	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.86	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.93	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.91	
			<i>For Posts 8' On Centers, Add</i>	3.08	
			<i>For Posts 5' On Centers, Add</i>	11.56	
			<i>For Up To 100, Add</i>	10.67	
			<i>For &gt;100 To 250, Add</i>	3.93	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.96	
			<i>For &gt;5,000, Deduct</i>	-3.93	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	70.59	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0067	LF	8' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	63.50	8.53
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.37	
		<i>For 13 Gauge Fabric, Deduct</i>	-13.76	
		<i>For 11 Gauge Fabric, Deduct</i>	-8.04	
		<i>For 6 Gauge Fabric, Add</i>	12.63	
		<i>For 1" Mesh Fabric, Add</i>	17.23	
		<i>For 1-3/4" Mesh Fabric, Add</i>	6.89	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.45	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.59	
		<i>For Posts 8' On Centers, Add</i>	3.46	
		<i>For Posts 5' On Centers, Add</i>	12.98	
		<i>For Up To 100, Add</i>	11.92	
		<i>For &gt;100 To 250, Add</i>	4.37	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.19	
		<i>For &gt;5,000, Deduct</i>	-4.37	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	80.01	
32 31 13 13-0068	LF	9' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	67.65	10.96
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.63	
		<i>For 13 Gauge Fabric, Deduct</i>	-14.81	
		<i>For 11 Gauge Fabric, Deduct</i>	-8.65	
		<i>For 6 Gauge Fabric, Add</i>	13.60	
		<i>For 1" Mesh Fabric, Add</i>	18.54	
		<i>For 1-3/4" Mesh Fabric, Add</i>	7.42	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.71	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.94	
		<i>For Posts 8' On Centers, Add</i>	3.68	
		<i>For Posts 5' On Centers, Add</i>	13.80	
		<i>For Up To 100, Add</i>	12.65	
		<i>For &gt;100 To 250, Add</i>	4.63	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.32	
		<i>For &gt;5,000, Deduct</i>	-4.63	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	88.15	
32 31 13 13-0069	LF	10' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	71.83	12.17
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.90	
		<i>For 13 Gauge Fabric, Deduct</i>	-15.86	
		<i>For 11 Gauge Fabric, Deduct</i>	-9.27	
		<i>For 6 Gauge Fabric, Add</i>	14.56	
		<i>For 1" Mesh Fabric, Add</i>	19.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	7.94	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.97	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.30	
		<i>For Posts 8' On Centers, Add</i>	3.91	
		<i>For Posts 5' On Centers, Add</i>	14.63	
		<i>For Up To 100, Add</i>	13.39	
		<i>For &gt;100 To 250, Add</i>	4.90	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.45	
		<i>For &gt;5,000, Deduct</i>	-4.90	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	96.61	
32 31 13 13-0070	LF	12' Galvanized Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	79.66	14.61
		<i>For Each Additional Foot &gt;12, Add</i>	4.59	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.40	
		<i>For 13 Gauge Fabric, Deduct</i>	-17.82	
		<i>For 11 Gauge Fabric, Deduct</i>	-10.41	
		<i>For 6 Gauge Fabric, Add</i>	16.36	
		<i>For 1" Mesh Fabric, Add</i>	22.31	
		<i>For 1-3/4" Mesh Fabric, Add</i>	8.92	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.46	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.95	
		<i>For Posts 8' On Centers, Add</i>	4.32	
		<i>For Posts 5' On Centers, Add</i>	16.18	
		<i>For Up To 100, Add</i>	14.79	
		<i>For &gt;100 To 250, Add</i>	5.40	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-2.70	
		<i>For &gt;5,000, Deduct</i>	-5.40	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	104.78	
32 31 13 13-0071		<b>Vinyl Coated</b> (32 31 13 13-0059)		
32 31 13 13-0072	LF	4' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	48.16	4.87
		<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.27	
		<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.39	
		<i>For 13 Gauge Fabric, Deduct</i>	-9.90	
		<i>For 11 Gauge Fabric, Deduct</i>	-5.78	
		<i>For 6 Gauge Fabric, Add</i>	9.09	
		<i>For 1" Mesh Fabric, Add</i>	12.39	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.48	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.30	
		<i>For Posts 8' On Centers, Add</i>	2.64	
		<i>For Posts 5' On Centers, Add</i>	9.95	
		<i>For Up To 100, Add</i>	9.19	
		<i>For &gt;100 To 250, Add</i>	3.39	
		<i>For &gt;2,500 To 5,000, Deduct</i>	-1.70	
		<i>For &gt;5,000, Deduct</i>	-3.39	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	48.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0073	LF		5' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	51.97	4.87
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	4.75	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.61	
			<i>For 13 Gauge Fabric, Deduct</i>	-11.00	
			<i>For 11 Gauge Fabric, Deduct</i>	-6.43	
			<i>For 6 Gauge Fabric, Add</i>	10.10	
			<i>For 1" Mesh Fabric, Add</i>	13.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	5.51	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.75	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.67	
			<i>For Posts 8' On Centers, Add</i>	2.84	
			<i>For Posts 5' On Centers, Add</i>	10.67	
			<i>For Up To 100, Add</i>	9.83	
			<i>For &gt;100 To 250, Add</i>	3.61	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.81	
			<i>For &gt;5,000, Deduct</i>	-3.61	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	58.51	
32 31 13 13-0074	LF		6' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	58.11	4.87
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.47	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	3.99	
			<i>For 13 Gauge Fabric, Deduct</i>	-12.68	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.41	
			<i>For 6 Gauge Fabric, Add</i>	11.64	
			<i>For 1" Mesh Fabric, Add</i>	15.87	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.35	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.17	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.23	
			<i>For Posts 8' On Centers, Add</i>	3.16	
			<i>For Posts 5' On Centers, Add</i>	11.87	
			<i>For Up To 100, Add</i>	10.88	
			<i>For &gt;100 To 250, Add</i>	3.99	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-1.99	
			<i>For &gt;5,000, Deduct</i>	-3.99	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	68.92	
32 31 13 13-0075	LF		7' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	60.79	7.31
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	5.75	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.16	
			<i>For 13 Gauge Fabric, Deduct</i>	-13.33	
			<i>For 11 Gauge Fabric, Deduct</i>	-7.79	
			<i>For 6 Gauge Fabric, Add</i>	12.23	
			<i>For 1" Mesh Fabric, Add</i>	16.68	
			<i>For 1-3/4" Mesh Fabric, Add</i>	6.67	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.34	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-4.45	
			<i>For Posts 8' On Centers, Add</i>	3.31	
			<i>For Posts 5' On Centers, Add</i>	12.40	
			<i>For Up To 100, Add</i>	11.36	
			<i>For &gt;100 To 250, Add</i>	4.16	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.08	
			<i>For &gt;5,000, Deduct</i>	-4.16	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	79.49	
32 31 13 13-0076	LF		8' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	68.92	8.53
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	6.75	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.64	
			<i>For 13 Gauge Fabric, Deduct</i>	-15.64	
			<i>For 11 Gauge Fabric, Deduct</i>	-9.14	
			<i>For 6 Gauge Fabric, Add</i>	14.36	
			<i>For 1" Mesh Fabric, Add</i>	19.58	
			<i>For 1-3/4" Mesh Fabric, Add</i>	7.83	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-3.92	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.22	
			<i>For Posts 8' On Centers, Add</i>	3.73	
			<i>For Posts 5' On Centers, Add</i>	13.96	
			<i>For Up To 100, Add</i>	12.73	
			<i>For &gt;100 To 250, Add</i>	4.64	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.32	
			<i>For &gt;5,000, Deduct</i>	-4.64	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	90.18	
32 31 13 13-0077	LF		9' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post	73.47	10.96
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	7.27	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	4.93	
			<i>For 13 Gauge Fabric, Deduct</i>	-16.83	
			<i>For 11 Gauge Fabric, Deduct</i>	-9.83	
			<i>For 6 Gauge Fabric, Add</i>	15.45	
			<i>For 1" Mesh Fabric, Add</i>	21.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	8.43	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.21	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-5.62	
			<i>For Posts 8' On Centers, Add</i>	3.97	
			<i>For Posts 5' On Centers, Add</i>	14.85	
			<i>For Up To 100, Add</i>	13.52	
			<i>For &gt;100 To 250, Add</i>	4.93	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.46	
			<i>For &gt;5,000, Deduct</i>	-4.93	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	99.47	



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0078	LF		10' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	78.05	12.17
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	7.78	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.21	
			<i>For 13 Gauge Fabric, Deduct</i>	-18.02	
			<i>For 11 Gauge Fabric, Deduct</i>	-10.53	
			<i>For 6 Gauge Fabric, Add</i>	16.55	
			<i>For 1" Mesh Fabric, Add</i>	22.56	
			<i>For 1-3/4" Mesh Fabric, Add</i>	9.03	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.51	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-6.02	
			<i>For Posts 8' On Centers, Add</i>	4.22	
			<i>For Posts 5' On Centers, Add</i>	15.75	
			<i>For Up To 100, Add</i>	14.33	
			<i>For &gt;100 To 250, Add</i>	5.21	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.61	
			<i>For &gt;5,000, Deduct</i>	-5.21	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	109.08	
32 31 13 13-0079	LF		12' Vinyl Cover Chain Link Fence, 9 Gauge Coiled Spring Mesh, Top And Bottom Rails, 2-1/2" Line Post At 10' On Center, 3" Corner Post.....	85.13	14.61
			<i>For Each Additional Foot &gt;12, Add</i>	4.84	
			<i>For Powder Coated Framework (Posts, Rails, Hardware), Add</i>	8.51	
			<i>For Surface Mount On Concrete (Excludes Drilling And Anchors), Add</i>	5.68	
			<i>For 13 Gauge Fabric, Deduct</i>	-19.72	
			<i>For 11 Gauge Fabric, Deduct</i>	-11.52	
			<i>For 6 Gauge Fabric, Add</i>	18.11	
			<i>For 1" Mesh Fabric, Add</i>	24.69	
			<i>For 1-3/4" Mesh Fabric, Add</i>	9.88	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-4.94	
			<i>For 2-3/8" Mesh Fabric, Deduct</i>	-6.58	
			<i>For Posts 8' On Centers, Add</i>	4.60	
			<i>For Posts 5' On Centers, Add</i>	17.17	
			<i>For Up To 100, Add</i>	15.61	
			<i>For &gt;100 To 250, Add</i>	5.68	
			<i>For &gt;2,500 To 5,000, Deduct</i>	-2.84	
			<i>For &gt;5,000, Deduct</i>	-5.68	
			<i>For 3/8" Non-Climbable Mesh, Add</i>	118.30	
32 31 13 13-0080			<b>Fence Posts</b> (32 31 13 13) Note: Demolition excludes concrete footing removal on posts and excavation. See CSI section 31 23 16 36-0009 for hand excavation for footing removal (where required), 32 31 13 13-0001 for drilling for augering holes and backfill.		
32 31 13 13-0081			<b>Fence Posts</b> (32 31 13 13-0080)		
32 31 13 13-0082			<b>1-7/8" H-Beam Post Without Top Rail Fitting, Galvanized Steel</b> (32 31 13 13-0081) Note: Includes cap and accessories.		
32 31 13 13-0083	LF		1-7/8" Galvanized H-beam Post, Up To 6' In Length .....	22.06	3.87
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	3.63	
32 31 13 13-0084	LF		1-7/8" Galvanized H-beam Post, 7' To 10' In Length .....	20.96	3.29
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	3.52	
32 31 13 13-0085	LF		1-7/8" Galvanized H-beam Post, 11' To 15' In Length .....	19.63	2.73
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	3.39	
32 31 13 13-0086	LF		1-7/8" Galvanized H-beam Post, 16' To 20' In Length .....	18.55	2.15
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	3.28	
32 31 13 13-0087	LF		1-7/8" Galvanized H-beam Post, 21' To 24' In Length .....	17.83	1.86
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	3.21	
32 31 13 13-0088	LF		1-7/8" Galvanized H-beam Post, >24' In Length .....	16.70	1.29
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Curved Posts, Add</i>	3.10	
32 31 13 13-0089			<b>Post Without Top Rail Fitting, Galvanized Steel (1.66" Nominal)</b> (32 31 13 13-0081) Note: 1-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0090	LF		Up To 6' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	15.43	3.58
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.07	
			<i>For Vinyl Coated, Add</i>	4.96	
			<i>For Powder Coated, Add</i>	6.62	
			<i>For Aluminum Coated, Add</i>	10.34	
			<i>For Curved Posts, Add</i>	2.37	
			<i>For Schedule 20, Deduct</i>	-1.65	
			<i>For Schedule 80, Add</i>	4.69	
32 31 13 13-0091	LF		7' To 10' In Length, 1-5/8" Outside Diameter Galvanized Steel Post .....	14.20	3.01
			<i>For Each Top Rail Fitting, Add</i>	0.85	
			<i>For Each Single Barbed Wire Arm, Add</i>	1.90	
			<i>For Each Double Barbed Wire Arm, Add</i>	3.40	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.04	
			<i>For Vinyl Coated, Add</i>	4.89	
			<i>For Powder Coated, Add</i>	6.52	
			<i>For Aluminum Coated, Add</i>	10.19	
			<i>For Curved Posts, Add</i>	2.24	
			<i>For Schedule 20, Deduct</i>	-1.63	
			<i>For Schedule 80, Add</i>	4.52	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0092	LF	11' To 15' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	12.91	2.43	
		<i>For Each Top Rail Fitting, Add</i>	0.85		
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90		
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40		
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.02		
		<i>For Vinyl Coated, Add</i>	4.85		
		<i>For Powder Coated, Add</i>	6.47		
		<i>For Aluminum Coated, Add</i>	10.11		
		<i>For Curved Posts, Add</i>	2.10		
		<i>For Schedule 20, Deduct</i>	-1.62		
		<i>For Schedule 80, Add</i>	4.37		
32 31 13 13-0093	LF	16' To 20' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	11.93	1.86	
		<i>For Each Top Rail Fitting, Add</i>	0.85		
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90		
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40		
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.02		
		<i>For Vinyl Coated, Add</i>	4.84		
		<i>For Powder Coated, Add</i>	6.45		
		<i>For Aluminum Coated, Add</i>	10.08		
		<i>For Curved Posts, Add</i>	2.00		
		<i>For Schedule 20, Deduct</i>	-1.61		
		<i>For Schedule 80, Add</i>	4.26		
32 31 13 13-0094	LF	21' To 24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	11.28	1.57	
		<i>For Each Top Rail Fitting, Add</i>	0.85		
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90		
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40		
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.01		
		<i>For Vinyl Coated, Add</i>	4.83		
		<i>For Powder Coated, Add</i>	6.44		
		<i>For Aluminum Coated, Add</i>	10.06		
		<i>For Curved Posts, Add</i>	1.93		
		<i>For Schedule 20, Deduct</i>	-1.61		
		<i>For Schedule 80, Add</i>	4.19		
32 31 13 13-0095	LF	>24' In Length, 1-5/8" Outside Diameter Galvanized Steel Post.....	10.58	1.29	
		<i>For Each Top Rail Fitting, Add</i>	0.85		
		<i>For Each Single Barbed Wire Arm, Add</i>	1.90		
		<i>For Each Double Barbed Wire Arm, Add</i>	3.40		
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.01		
		<i>For Vinyl Coated, Add</i>	4.83		
		<i>For Powder Coated, Add</i>	6.44		
		<i>For Aluminum Coated, Add</i>	10.06		
		<i>For Curved Posts, Add</i>	1.86		
		<i>For Schedule 20, Deduct</i>	-1.61		
		<i>For Schedule 80, Add</i>	4.12		
32 31 13 13-0096		<b>Post Without Top Rail Fitting, Galvanized Steel (1.90" Nominal)</b> (32 31 13 13-0081)			
		Note: 2" outside diameter, Schedule 40. Includes cap and accessories.			
32 31 13 13-0097	LF	2" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	17.52	3.72	
		<i>For Each Top Rail Fitting, Add</i>	1.35		
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65		
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88		
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.53		
		<i>For Vinyl Coated, Add</i>	6.07		
		<i>For Powder Coated, Add</i>	8.09		
		<i>For Aluminum Coated, Add</i>	12.64		
		<i>For Curved Posts, Add</i>	2.76		
		<i>For Schedule 20, Deduct</i>	-2.02		
		<i>For Schedule 80, Add</i>	5.59		
32 31 13 13-0098	LF	2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	16.38	3.15	
		<i>For Each Top Rail Fitting, Add</i>	1.35		
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65		
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88		
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.49		
		<i>For Vinyl Coated, Add</i>	5.98		
		<i>For Powder Coated, Add</i>	7.98		
		<i>For Aluminum Coated, Add</i>	12.46		
		<i>For Curved Posts, Add</i>	2.64		
		<i>For Schedule 20, Deduct</i>	-1.99		
		<i>For Schedule 80, Add</i>	5.43		
32 31 13 13-0099	LF	2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	15.01	2.57	
		<i>For Each Top Rail Fitting, Add</i>	1.35		
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65		
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88		
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.47		
		<i>For Vinyl Coated, Add</i>	5.93		
		<i>For Powder Coated, Add</i>	7.91		
		<i>For Aluminum Coated, Add</i>	12.36		
		<i>For Curved Posts, Add</i>	2.49		
		<i>For Schedule 20, Deduct</i>	-1.98		
		<i>For Schedule 80, Add</i>	5.26		
32 31 13 13-0100	LF	2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	13.94	2.01	
		<i>For Each Top Rail Fitting, Add</i>	1.35		
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65		
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88		
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.46		
		<i>For Vinyl Coated, Add</i>	5.91		
		<i>For Powder Coated, Add</i>	7.88		
		<i>For Aluminum Coated, Add</i>	12.31		
		<i>For Curved Posts, Add</i>	2.38		
		<i>For Schedule 20, Deduct</i>	-1.97		
		<i>For Schedule 80, Add</i>	5.14		

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0101	LF	2" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	13.25	1.72
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.46	
		<i>For Vinyl Coated, Add</i>	5.90	
		<i>For Powder Coated, Add</i>	7.87	
		<i>For Aluminum Coated, Add</i>	12.30	
		<i>For Curved Posts, Add</i>	2.31	
		<i>For Schedule 20, Deduct</i>	-1.97	
		<i>For Schedule 80, Add</i>	5.06	
32 31 13 13-0102	LF	2" Outside Diameter Galvanized Steel Post, >24' In Length.....	12.60	1.43
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	2.46	
		<i>For Vinyl Coated, Add</i>	5.90	
		<i>For Powder Coated, Add</i>	7.86	
		<i>For Aluminum Coated, Add</i>	12.29	
		<i>For Curved Posts, Add</i>	2.24	
		<i>For Schedule 20, Deduct</i>	-1.97	
		<i>For Schedule 80, Add</i>	5.00	
32 31 13 13-0103		<b>Post Without Top Rail Fitting, Galvanized Steel (2.375" Nominal)</b> <small>(32 31 13 13-0081)</small>		
		Note: 2-1/2" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0104	LF	2-1/2" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	21.18	4.01
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.34	
		<i>For Vinyl Coated, Add</i>	8.02	
		<i>For Powder Coated, Add</i>	10.70	
		<i>For Aluminum Coated, Add</i>	16.71	
		<i>For Curved Posts, Add</i>	3.46	
		<i>For Schedule 20, Deduct</i>	-2.67	
		<i>For Schedule 80, Add</i>	7.20	
32 31 13 13-0105	LF	2-1/2" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	19.91	3.43
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.30	
		<i>For Vinyl Coated, Add</i>	7.92	
		<i>For Powder Coated, Add</i>	10.56	
		<i>For Aluminum Coated, Add</i>	16.50	
		<i>For Curved Posts, Add</i>	3.31	
		<i>For Schedule 20, Deduct</i>	-2.64	
		<i>For Schedule 80, Add</i>	7.01	
32 31 13 13-0106	LF	2-1/2" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	18.49	2.73
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.28	
		<i>For Vinyl Coated, Add</i>	7.87	
		<i>For Powder Coated, Add</i>	10.49	
		<i>For Aluminum Coated, Add</i>	16.39	
		<i>For Curved Posts, Add</i>	3.16	
		<i>For Schedule 20, Deduct</i>	-2.62	
		<i>For Schedule 80, Add</i>	6.83	
32 31 13 13-0107	LF	2-1/2" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	17.37	2.15
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.27	
		<i>For Vinyl Coated, Add</i>	7.84	
		<i>For Powder Coated, Add</i>	10.46	
		<i>For Aluminum Coated, Add</i>	16.34	
		<i>For Curved Posts, Add</i>	3.04	
		<i>For Schedule 20, Deduct</i>	-2.61	
		<i>For Schedule 80, Add</i>	6.70	
32 31 13 13-0108	LF	2-1/2" Outside Diameter Galvanized Steel Post, 21 To 24' In Length.....	16.63	1.86
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.26	
		<i>For Vinyl Coated, Add</i>	7.83	
		<i>For Powder Coated, Add</i>	10.44	
		<i>For Aluminum Coated, Add</i>	16.31	
		<i>For Curved Posts, Add</i>	2.97	
		<i>For Schedule 20, Deduct</i>	-2.61	
		<i>For Schedule 80, Add</i>	6.62	
32 31 13 13-0109	LF	2-1/2" Outside Diameter Galvanized Steel Post, >24' In Length.....	15.95	1.43
		<i>For Each Top Rail Fitting, Add</i>	1.35	
		<i>For Each Single Barbed Wire Arm, Add</i>	2.65	
		<i>For Each Double Barbed Wire Arm, Add</i>	4.88	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	3.26	
		<i>For Vinyl Coated, Add</i>	7.83	
		<i>For Powder Coated, Add</i>	10.44	
		<i>For Aluminum Coated, Add</i>	16.31	
		<i>For Curved Posts, Add</i>	2.90	
		<i>For Schedule 20, Deduct</i>	-2.61	
		<i>For Schedule 80, Add</i>	6.55	

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>32 31 13 13-0110</b>		<b>Post Without Top Rail Fitting, Galvanized Steel (2.875" Nominal)</b> (32 31 13 13-0081)		
		Note: 3" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0111	LF	3" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	28.82	4.30
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	5.06	
		For Vinyl Coated, Add	12.14	
		For Powder Coated, Add	16.18	
		For Aluminum Coated, Add	25.29	
		For Curved Posts, Add	4.91	
		For Schedule 20, Deduct	-4.05	
		For Schedule 80, Add	10.57	
32 31 13 13-0112	LF	3" Outside Diameter Galvanized Steel Post, 7' To 10' In Length .....	27.29	3.72
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	4.97	
		For Vinyl Coated, Add	11.93	
		For Powder Coated, Add	15.90	
		For Aluminum Coated, Add	24.85	
		For Curved Posts, Add	4.72	
		For Schedule 20, Deduct	-3.98	
		For Schedule 80, Add	10.28	
32 31 13 13-0113	LF	3" Outside Diameter Galvanized Steel Post, 11' To 15' In Length .....	25.66	3.01
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	4.93	
		For Vinyl Coated, Add	11.82	
		For Powder Coated, Add	15.76	
		For Aluminum Coated, Add	24.63	
		For Curved Posts, Add	4.54	
		For Schedule 20, Deduct	-3.94	
		For Schedule 80, Add	10.05	
32 31 13 13-0114	LF	3" Outside Diameter Galvanized Steel Post, 16' To 20' In Length .....	24.40	2.43
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	4.91	
		For Vinyl Coated, Add	11.77	
		For Powder Coated, Add	15.70	
		For Aluminum Coated, Add	24.53	
		For Curved Posts, Add	4.40	
		For Schedule 20, Deduct	-3.92	
		For Schedule 80, Add	9.90	
32 31 13 13-0115	LF	3" Outside Diameter Galvanized Steel Post, 21' To 24' In Length .....	23.55	2.01
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	4.89	
		For Vinyl Coated, Add	11.74	
		For Powder Coated, Add	15.66	
		For Aluminum Coated, Add	24.46	
		For Curved Posts, Add	4.31	
		For Schedule 20, Deduct	-3.91	
		For Schedule 80, Add	9.79	
32 31 13 13-0116	LF	3" Outside Diameter Galvanized Steel Post, >24' In Length .....	22.79	1.57
		For Each Top Rail Fitting, Add	1.85	
		For Each Single Barbed Wire Arm, Add	3.85	
		For Each Double Barbed Wire Arm, Add	7.05	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	4.89	
		For Vinyl Coated, Add	11.74	
		For Powder Coated, Add	15.65	
		For Aluminum Coated, Add	24.45	
		For Curved Posts, Add	4.24	
		For Schedule 20, Deduct	-3.91	
		For Schedule 80, Add	9.71	
<b>32 31 13 13-0117</b>		<b>Post Without Top Rail Fitting, Galvanized Steel, (4.00" Nominal)</b> (32 31 13 13-0081)		
		Note: 4" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0118	LF	4" Outside Diameter Galvanized Steel Post, Up To 6' In Length .....	42.08	4.58
		For Each Top Rail Fitting, Add	2.60	
		For Each Single Barbed Wire Arm, Add	5.10	
		For Each Double Barbed Wire Arm, Add	11.25	
		For SS40 (Hot-Dip Galvanized And Chromated), Add	8.26	
		For Vinyl Coated, Add	19.82	
		For Powder Coated, Add	26.42	
		For Aluminum Coated, Add	41.29	
		For Curved Posts, Add	7.51	
		For Schedule 20, Deduct	-6.61	
		For Schedule 80, Add	16.76	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0119	LF	4" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	39.94	3.72
		<i>For Each Top Rail Fitting, Add</i>	2.60	
		<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
		<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	8.10	
		<i>For Vinyl Coated, Add</i>	19.44	
		<i>For Powder Coated, Add</i>	25.92	
		<i>For Aluminum Coated, Add</i>	40.50	
		<i>For Curved Posts, Add</i>	7.23	
		<i>For Schedule 20, Deduct</i>	-6.48	
		<i>For Schedule 80, Add</i>	16.31	
32 31 13 13-0120	LF	4" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	38.36	3.15
		<i>For Each Top Rail Fitting, Add</i>	2.60	
		<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
		<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	8.02	
		<i>For Vinyl Coated, Add</i>	19.25	
		<i>For Powder Coated, Add</i>	25.66	
		<i>For Aluminum Coated, Add</i>	40.10	
		<i>For Curved Posts, Add</i>	7.04	
		<i>For Schedule 20, Deduct</i>	-6.42	
		<i>For Schedule 80, Add</i>	16.03	
32 31 13 13-0121	LF	4" Outside Diameter Galvanized Steel Post, 16' To 20' In Length	36.95	2.57
		<i>For Each Top Rail Fitting, Add</i>	2.60	
		<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
		<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	7.98	
		<i>For Vinyl Coated, Add</i>	19.15	
		<i>For Powder Coated, Add</i>	25.54	
		<i>For Aluminum Coated, Add</i>	39.90	
		<i>For Curved Posts, Add</i>	6.89	
		<i>For Schedule 20, Deduct</i>	-6.38	
		<i>For Schedule 80, Add</i>	15.82	
32 31 13 13-0122	LF	4" Outside Diameter Galvanized Steel Post, 21' To 24' In Length	36.88	2.57
		<i>For Each Top Rail Fitting, Add</i>	2.60	
		<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
		<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	7.96	
		<i>For Vinyl Coated, Add</i>	19.11	
		<i>For Powder Coated, Add</i>	25.48	
		<i>For Aluminum Coated, Add</i>	39.81	
		<i>For Curved Posts, Add</i>	6.87	
		<i>For Schedule 20, Deduct</i>	-6.37	
		<i>For Schedule 80, Add</i>	15.79	
32 31 13 13-0123	LF	4" Outside Diameter Galvanized Steel Post, >24' In Length	35.41	1.86
		<i>For Each Top Rail Fitting, Add</i>	2.60	
		<i>For Each Single Barbed Wire Arm, Add</i>	5.10	
		<i>For Each Double Barbed Wire Arm, Add</i>	11.25	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	7.96	
		<i>For Vinyl Coated, Add</i>	19.10	
		<i>For Powder Coated, Add</i>	25.46	
		<i>For Aluminum Coated, Add</i>	39.79	
		<i>For Curved Posts, Add</i>	6.72	
		<i>For Schedule 20, Deduct</i>	-6.37	
		<i>For Schedule 80, Add</i>	15.64	
32 31 13 13-0124		<b>Post Without Top Rail Fitting, Galvanized Steel (6.625" Nominal)</b> (32 31 13 13-0081)		
		Note: 6-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0125	LF	6-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length	82.71	5.02
		<i>For Each Top Rail Fitting, Add</i>	4.55	
		<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	18.17	
		<i>For Vinyl Coated, Add</i>	43.60	
		<i>For Powder Coated, Add</i>	58.13	
		<i>For Aluminum Coated, Add</i>	90.83	
		<i>For Curved Posts, Add</i>	15.54	
		<i>For Schedule 20, Deduct</i>	-14.53	
		<i>For Schedule 80, Add</i>	35.88	
32 31 13 13-0126	LF	6-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length	78.71	4.15
		<i>For Each Top Rail Fitting, Add</i>	4.55	
		<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.57	
		<i>For Vinyl Coated, Add</i>	42.17	
		<i>For Powder Coated, Add</i>	56.22	
		<i>For Aluminum Coated, Add</i>	87.85	
		<i>For Curved Posts, Add</i>	14.90	
		<i>For Schedule 20, Deduct</i>	-14.06	
		<i>For Schedule 80, Add</i>	34.58	
32 31 13 13-0127	LF	6-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length	76.06	3.43
		<i>For Each Top Rail Fitting, Add</i>	4.55	
		<i>For Each Single Barbed Wire Arm, Add</i>	7.15	
		<i>For Each Double Barbed Wire Arm, Add</i>	14.95	
		<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	17.27	
		<i>For Vinyl Coated, Add</i>	41.45	
		<i>For Powder Coated, Add</i>	55.26	
		<i>For Aluminum Coated, Add</i>	86.35	
		<i>For Curved Posts, Add</i>	14.51	
		<i>For Schedule 20, Deduct</i>	-13.82	
		<i>For Schedule 80, Add</i>	33.86	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0128	LF		6-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	74.07	2.73
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	17.12	
			For Vinyl Coated, Add	41.09	
			For Powder Coated, Add	54.79	
			For Aluminum Coated, Add	85.61	
			For Curved Posts, Add	14.26	
			For Schedule 20, Deduct	-13.70	
			For Schedule 80, Add	33.43	
32 31 13 13-0129	LF		6-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	72.97	2.43
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	17.05	
			For Vinyl Coated, Add	40.91	
			For Powder Coated, Add	54.55	
			For Aluminum Coated, Add	85.24	
			For Curved Posts, Add	14.12	
			For Schedule 20, Deduct	-13.64	
			For Schedule 80, Add	33.21	
32 31 13 13-0130	LF		6-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	72.11	2.01
			For Each Top Rail Fitting, Add	4.55	
			For Each Single Barbed Wire Arm, Add	7.15	
			For Each Double Barbed Wire Arm, Add	14.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	17.03	
			For Vinyl Coated, Add	40.88	
			For Powder Coated, Add	54.50	
			For Aluminum Coated, Add	85.16	
			For Curved Posts, Add	14.02	
			For Schedule 20, Deduct	-13.63	
			For Schedule 80, Add	33.10	
32 31 13 13-0131			<b>Post Without Top Rail Fitting, Galvanized Steel (8.625" Nominal)</b> (32 31 13 13-0081)		
			Note: 8-5/8" outside diameter, Schedule 40. Includes cap and accessories.		
32 31 13 13-0132	LF		8-5/8" Outside Diameter Galvanized Steel Post, Up To 6' In Length.....	159.68	5.58
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	37.13	
			For Vinyl Coated, Add	89.11	
			For Powder Coated, Add	118.82	
			For Aluminum Coated, Add	185.65	
			For Curved Posts, Add	30.82	
			For Schedule 20, Deduct	-29.70	
			For Schedule 80, Add	72.41	
32 31 13 13-0133	LF		8-5/8" Outside Diameter Galvanized Steel Post, 7' To 10' In Length.....	153.12	4.72
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	35.95	
			For Vinyl Coated, Add	86.27	
			For Powder Coated, Add	115.02	
			For Aluminum Coated, Add	179.73	
			For Curved Posts, Add	29.69	
			For Schedule 20, Deduct	-28.76	
			For Schedule 80, Add	69.95	
32 31 13 13-0134	LF		8-5/8" Outside Diameter Galvanized Steel Post, 11' To 15' In Length.....	149.15	3.87
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	35.35	
			For Vinyl Coated, Add	84.85	
			For Powder Coated, Add	113.13	
			For Aluminum Coated, Add	176.76	
			For Curved Posts, Add	29.06	
			For Schedule 20, Deduct	-28.28	
			For Schedule 80, Add	68.65	
32 31 13 13-0135	LF		8-5/8" Outside Diameter Galvanized Steel Post, 16' To 20' In Length.....	146.36	3.01
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	35.06	
			For Vinyl Coated, Add	84.13	
			For Powder Coated, Add	112.18	
			For Aluminum Coated, Add	175.28	
			For Curved Posts, Add	28.66	
			For Schedule 20, Deduct	-28.04	
			For Schedule 80, Add	67.92	
32 31 13 13-0136	LF		8-5/8" Outside Diameter Galvanized Steel Post, 21' To 24' In Length.....	144.93	2.57
			For Each Top Rail Fitting, Add	7.50	
			For Each Single Barbed Wire Arm, Add	9.15	
			For Each Double Barbed Wire Arm, Add	18.95	
			For SS40 (Hot-Dip Galvanized And Chromated), Add	34.91	
			For Vinyl Coated, Add	83.78	
			For Powder Coated, Add	111.70	
			For Aluminum Coated, Add	174.54	
			For Curved Posts, Add	28.46	
			For Schedule 20, Deduct	-27.93	
			For Schedule 80, Add	67.55	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0137	LF		8-5/8" Outside Diameter Galvanized Steel Post, >24' In Length.....	143.94	2.15
			<i>For Each Top Rail Fitting, Add</i>	7.50	
			<i>For Each Single Barbed Wire Arm, Add</i>	9.15	
			<i>For Each Double Barbed Wire Arm, Add</i>	18.95	
			<i>For SS40 (Hot-Dip Galvanized And Chromated), Add</i>	34.88	
			<i>For Vinyl Coated, Add</i>	83.71	
			<i>For Powder Coated, Add</i>	111.61	
			<i>For Aluminum Coated, Add</i>	174.39	
			<i>For Curved Posts, Add</i>	28.35	
			<i>For Schedule 20, Deduct</i>	-27.90	
			<i>For Schedule 80, Add</i>	67.41	
32 31 13 13-0138			<b>Driven Post Supports</b> (32 31 13 13)		
			Note: OZ-Post.		
32 31 13 13-0139			<b>Driven Post Support For Round Chain Link Fence Posts</b> (32 31 13 13-0138)		
32 31 13 13-0140	EA		26" Driven Post Support For 1-5/8" Round Chain Link Fence Post .....	84.91	
			Note: OZ-Post GB-700.		
32 31 13 13-0141	EA		26" Driven Post Support For 1-7/8" To 2" Round Chain Link Fence Post.....	84.91	
			Note: OZ-Post HB-700.		
32 31 13 13-0142	EA		26" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	86.94	
			Note: OZ-Post IS-600.		
32 31 13 13-0143	EA		32" Driven Post Support For 2-3/8" To 2-1/2" Round Chain Link Fence Post.....	104.77	
			Note: OZ-Post ISW-850.		
32 31 13 13-0144			<b>Driven Post Support For Square Ornamental Fence Posts</b> (32 31 13 13-0138)		
32 31 13 13-0145	EA		34" Driven Post Support For 1-3/4" Square Ornamental Fence Post.....	98.68	
			Note: OZ-Post C175-850.		
32 31 13 13-0146	EA		24" Driven Post Support For 2" Square Ornamental Fence Post.....	95.63	
			Note: OZ-Post I2-600.		
32 31 13 13-0147	EA		34" Driven Post Support For 2" Square Ornamental Fence Post.....	99.29	
			Note: OZ-Post I2-850.		
32 31 13 13-0148	EA		34" Driven Post Support For 2-1/2" Square Ornamental Fence Post.....	104.77	
			Note: OZ-Post I25-850.		
32 31 13 13-0149	EA		34" Driven Post Support For 3" Square Ornamental Fence Post.....	104.77	
			Note: OZ-Post I3-850.		
32 31 13 13-0150			<b>Driven Post Support For Wooden Fence Posts</b> (32 31 13 13-0138)		
32 31 13 13-0151	EA		24" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	95.74	
			Note: OZ-Post T4-600.		
32 31 13 13-0152	EA		34" Driven Post Support For 3-1/2" Square Wooden Fence Post.....	101.72	
			Note: OZ-Post T4-850.		
32 31 13 13-0153	EA		34" Driven Post Support For 3-3/4" Square Wooden Fence Post.....	108.84	
			Note: OZ-Post C4-850.		
32 31 13 13-0154	EA		34" Driven Post Support For 4" Square Wooden Fence Post.....	108.84	
			Note: OZ-Post P4-850.		
32 31 13 13-0155	EA		36" Driven Post Support For 4" x 6" Wooden Fence Post.....	122.05	
			Note: OZ-Post T46-850.		
32 31 13 13-0156	EA		36" Driven Post Support For 6" Square Wooden Fence Post.....	131.39	
			Note: OZ-Post T6-850.		
32 31 13 13-0157			<b>Driven Post Support For Vinyl Fence Posts</b> (32 31 13 13-0138)		
32 31 13 13-0158	EA		24" Driven Post Support For 3-1/2" Square Vinyl Fence Post .....	95.74	
			Note: OZ-Post T4-600.		
32 31 13 13-0159	EA		34" Driven Post Support For 3-1/2" Square Vinyl Fence Post .....	101.72	
			Note: OZ-Post T4-850.		
32 31 13 13-0160	EA		34" Driven Post Support For 4" Square Vinyl Fence Post.....	108.84	
			Note: OZ-Post P4-850.		
32 31 13 13-0161	EA		34" Driven Post Support For 5" Square Vinyl Fence Post.....	110.46	
			Note: OZ-Post P4-850.		
32 31 13 13-0162			<b>Rails</b> (32 31 13 13)		
			Note: Includes rail end fittings.		
32 31 13 13-0163			<b>SS-20 Chain Link Fence Rails</b> (32 31 13 13-0162)		
			Note: Includes tie wires.		
32 31 13 13-0164	LF		1-3/8" Galvanized Steel Rail, 0.08" Wall Thickness, Tie Wires And Fittings .....	7.86	1.57
			<i>For SS15, Deduct</i>	-0.46	
			<i>For SS40, Add</i>	1.14	
32 31 13 13-0165	LF		1-3/8" Vinyl Coated Rail, 0.08" Wall Thickness, Tie Wires And Fittings.....	9.39	1.57
			<i>For SS40, Add</i>	0.61	
			<i>For Powder Coated, Add</i>	1.22	
			<i>For Aluminum Coated, Add</i>	2.44	
32 31 13 13-0166	LF		1-5/8" Galvanized Steel Rail, 0.085" Wall Thickness, Tie Wires And Fittings .....	9.67	1.79
			<i>For SS15, Deduct</i>	-0.61	
			<i>For SS40, Add</i>	1.52	
32 31 13 13-0167	LF		1-5/8" Vinyl Coated Rail, 0.085" Wall Thickness, Tie Wires And Fittings.....	11.72	1.79
			<i>For SS40, Add</i>	0.81	
			<i>For Powder Coated, Add</i>	1.63	
			<i>For Aluminum Coated, Add</i>	3.26	
32 31 13 13-0168	LF		2" Galvanized Steel Rail, 0.09" Wall Thickness, Tie Wires And Fittings .....	11.31	2.01
			<i>For SS40, Add</i>	1.83	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 31 13 13-0169	LF	2" Vinyl Coated Rail, 0.09" Wall Thickness, Tie Wires And Fittings.....		13.78	2.01
		For SS40, Add		0.98	
		For Powder Coated, Add		1.95	
		For Aluminum Coated, Add		3.91	
<b>32 31 13 13-0170</b>		<b>Fabric</b> <small>(32 31 13 13)</small>			
<b>32 31 13 13-0171</b>		<b>Fabric, Galvanized Chain Link</b> <small>(32 31 13 13-0170)</small>			
32 31 13 13-0172	LF	3' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....		13.16	2.87
		For 1-1/4" Mesh Fabric, Add		1.08	
		For 2 Oz Galvanized Or Zinc Coating, Add		0.96	
		For 13 Gauge Fabric, Deduct		-1.73	
		For 11 Gauge Fabric, Deduct		-0.96	
		For 6 Gauge Fabric, Add		3.08	
		For 1" Mesh Fabric, Add		2.89	
		For 1-1/4" Mesh Fabric, Add		1.93	
		For 1-3/4" Mesh Fabric, Add		1.16	
		For 2-1/8" Mesh Fabric, Deduct		-0.58	
		For 2-3/8" Mesh Fabric, Deduct		-0.77	
		For 3/8" Non-Climbable Mesh, Add		34.74	
32 31 13 13-0173	LF	3'-6" Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh .....		14.51	3.23
		For 1-1/4" Mesh Fabric, Add		1.26	
		For 2 Oz Galvanized Or Zinc Coating, Add		1.12	
		For 13 Gauge Fabric, Deduct		-2.02	
		For 11 Gauge Fabric, Deduct		-1.12	
		For 6 Gauge Fabric, Add		3.59	
		For 1" Mesh Fabric, Add		3.37	
		For 1-1/4" Mesh Fabric, Add		2.25	
		For 1-3/4" Mesh Fabric, Add		1.35	
		For 2-1/8" Mesh Fabric, Deduct		-0.67	
		For 2-3/8" Mesh Fabric, Deduct		-0.90	
		For 3/8" Non-Climbable Mesh, Add		39.68	
32 31 13 13-0174	LF	4' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....		15.68	3.58
		For 1-1/4" Mesh Fabric, Add		1.38	
		For 2 Oz Galvanized Or Zinc Coating, Add		1.24	
		For 13 Gauge Fabric, Deduct		-2.22	
		For 11 Gauge Fabric, Deduct		-1.24	
		For 6 Gauge Fabric, Add		3.95	
		For 1" Mesh Fabric, Add		3.71	
		For 1-1/4" Mesh Fabric, Add		2.47	
		For 1-3/4" Mesh Fabric, Add		1.48	
		For 2-1/8" Mesh Fabric, Deduct		-0.74	
		For 2-3/8" Mesh Fabric, Deduct		-0.99	
		For 3/8" Non-Climbable Mesh, Add		44.68	
32 31 13 13-0175	LF	5' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....		17.62	4.30
		For 1-1/4" Mesh Fabric, Add		1.72	
		For 2 Oz Galvanized Or Zinc Coating, Add		1.54	
		For 13 Gauge Fabric, Deduct		-2.77	
		For 11 Gauge Fabric, Deduct		-1.54	
		For 6 Gauge Fabric, Add		4.93	
		For 1" Mesh Fabric, Add		4.62	
		For 1-1/4" Mesh Fabric, Add		3.08	
		For 1-3/4" Mesh Fabric, Add		1.85	
		For 2-1/8" Mesh Fabric, Deduct		-0.92	
		For 2-3/8" Mesh Fabric, Deduct		-1.23	
		For 3/8" Non-Climbable Mesh, Add		53.86	
32 31 13 13-0176	LF	6' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....		19.67	5.02
		For 1-1/4" Mesh Fabric, Add		2.07	
		For 2 Oz Galvanized Or Zinc Coating, Add		1.85	
		For 13 Gauge Fabric, Deduct		-3.33	
		For 11 Gauge Fabric, Deduct		-1.85	
		For 6 Gauge Fabric, Add		5.92	
		For 1" Mesh Fabric, Add		5.55	
		For 1-1/4" Mesh Fabric, Add		3.70	
		For 1-3/4" Mesh Fabric, Add		2.22	
		For 2-1/8" Mesh Fabric, Deduct		-1.11	
		For 2-3/8" Mesh Fabric, Deduct		-1.48	
		For 3/8" Non-Climbable Mesh, Add		63.14	
32 31 13 13-0177	LF	7' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh.....		21.83	5.72
		For 1-1/4" Mesh Fabric, Add		2.41	
		For 2 Oz Galvanized Or Zinc Coating, Add		2.15	
		For 13 Gauge Fabric, Deduct		-3.87	
		For 11 Gauge Fabric, Deduct		-2.15	
		For 6 Gauge Fabric, Add		6.89	
		For 1" Mesh Fabric, Add		6.46	
		For 1-1/4" Mesh Fabric, Add		4.31	
		For 1-3/4" Mesh Fabric, Add		2.58	
		For 2-1/8" Mesh Fabric, Deduct		-1.29	
		For 2-3/8" Mesh Fabric, Deduct		-1.72	
		For 3/8" Non-Climbable Mesh, Add		72.57	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0178	LF	8' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	24.17	7.16
		<i>For 1-1/4" Mesh Fabric, Add</i>	2.76	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	2.46	
		<i>For 13 Gauge Fabric, Deduct</i>	-4.43	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.46	
		<i>For 6 Gauge Fabric, Add</i>	7.88	
		<i>For 1" Mesh Fabric, Add</i>	7.39	
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.93	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.96	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.48	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.97	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	82.16	
32 31 13 13-0179	LF	10' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	28.60	7.87
		<i>For 1-1/4" Mesh Fabric, Add</i>	3.58	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	3.20	
		<i>For 13 Gauge Fabric, Deduct</i>	-5.76	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.20	
		<i>For 6 Gauge Fabric, Add</i>	10.24	
		<i>For 1" Mesh Fabric, Add</i>	9.60	
		<i>For 1-1/4" Mesh Fabric, Add</i>	6.40	
		<i>For 1-3/4" Mesh Fabric, Add</i>	3.84	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.92	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-2.56	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	98.98	
32 31 13 13-0180	LF	12' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	32.52	8.59
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.30	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	3.84	
		<i>For 13 Gauge Fabric, Deduct</i>	-6.90	
		<i>For 11 Gauge Fabric, Deduct</i>	-3.84	
		<i>For 6 Gauge Fabric, Add</i>	12.27	
		<i>For 1" Mesh Fabric, Add</i>	11.51	
		<i>For 1-1/4" Mesh Fabric, Add</i>	7.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.60	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.30	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.07	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	107.35	
32 31 13 13-0181	LF	14' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	36.53	10.02
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.61	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	4.12	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.42	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.12	
		<i>For 6 Gauge Fabric, Add</i>	13.18	
		<i>For 1" Mesh Fabric, Add</i>	12.36	
		<i>For 1-1/4" Mesh Fabric, Add</i>	8.24	
		<i>For 1-3/4" Mesh Fabric, Add</i>	4.94	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.47	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.30	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	117.23	
32 31 13 13-0182	LF	16' Full Height Fabric Galvanized Chain Link #9 Gauge, 1.2 Oz Coating, 2" Mesh	40.53	11.46
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.93	
		<i>For 2 Oz Galvanized Or Zinc Coating, Add</i>	4.40	
		<i>For 13 Gauge Fabric, Deduct</i>	-7.92	
		<i>For 11 Gauge Fabric, Deduct</i>	-4.40	
		<i>For 6 Gauge Fabric, Add</i>	14.09	
		<i>For 1" Mesh Fabric, Add</i>	13.21	
		<i>For 1-1/4" Mesh Fabric, Add</i>	8.81	
		<i>For 1-3/4" Mesh Fabric, Add</i>	5.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-2.64	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-3.52	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	127.12	

**32 31 13 13-0183 Fabric, Vinyl Coated Chain Link (32 31 13 13-0170)**

32 31 13 13-0184	LF	4' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	17.24	2.87
		<i>For 1-1/4" Mesh Fabric, Add</i>	1.82	
		<i>For 13 Gauge Fabric, Deduct</i>	-2.93	
		<i>For 11 Gauge Fabric, Deduct</i>	-1.63	
		<i>For 6 Gauge Fabric, Add</i>	5.20	
		<i>For 1" Mesh Fabric, Add</i>	4.88	
		<i>For 1-1/4" Mesh Fabric, Add</i>	3.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1.95	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-0.98	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.30	
		<i>For Aluminum Coated, Add</i>	2.60	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	49.77	
32 31 13 13-0185	LF	5' Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh	19.59	4.30
		<i>For 1-1/4" Mesh Fabric, Add</i>	2.28	
		<i>For 13 Gauge Fabric, Deduct</i>	-3.66	
		<i>For 11 Gauge Fabric, Deduct</i>	-2.03	
		<i>For 6 Gauge Fabric, Add</i>	6.50	
		<i>For 1" Mesh Fabric, Add</i>	6.10	
		<i>For 1-1/4" Mesh Fabric, Add</i>	4.07	
		<i>For 1-3/4" Mesh Fabric, Add</i>	2.44	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-1.22	
		<i>For 2-3/8" Mesh Fabric, Deduct</i>	-1.63	
		<i>For Aluminum Coated, Add</i>	3.25	
		<i>For 3/8" Non-Climbable Mesh, Add</i>	60.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0186	LF	6'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Aluminum Coated, Add For 3/8" Non-Climbable Mesh, Add	23.67 3.19 -5.13 -2.85 9.12 8.55 5.70 3.42 -1.71 -2.28 4.56 70.77	5.02
32 31 13 13-0187	LF	7'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Aluminum Coated, Add For 3/8" Non-Climbable Mesh, Add	26.49 3.72 -5.97 -3.32 10.62 9.95 6.64 3.98 -1.99 -2.65 5.31 81.47	5.72
32 31 13 13-0188	LF	8'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Aluminum Coated, Add For 3/8" Non-Climbable Mesh, Add	29.60 4.28 -6.88 -3.82 12.22 11.46 7.64 4.58 -2.29 -3.06 6.11 92.33	7.16
32 31 13 13-0189	LF	10'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Aluminum Coated, Add For 3/8" Non-Climbable Mesh, Add	34.82 5.33 -8.56 -4.76 15.22 14.27 9.51 5.71 -2.85 -3.80 7.61 111.45	7.87
32 31 13 13-0190	LF	12'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Aluminum Coated, Add For 3/8" Non-Climbable Mesh, Add	37.98 5.82 -9.36 -5.20 16.64 15.60 10.40 6.24 -3.12 -4.16 8.32 120.87	8.59
32 31 13 13-0191	LF	14'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Aluminum Coated, Add For 3/8" Non-Climbable Mesh, Add	42.95 6.41 -10.31 -5.73 18.32 17.18 11.45 6.87 -3.44 -4.58 9.16 131.81	10.02
32 31 13 13-0192	LF	16'	Full Height Vinyl Coated Fabric Chain Link #9 Gauge Fused, 2" Mesh ..... For 1-1/4" Mesh Fabric, Add For 13 Gauge Fabric, Deduct For 11 Gauge Fabric, Deduct For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For 2-3/8" Mesh Fabric, Deduct For Aluminum Coated, Add For 3/8" Non-Climbable Mesh, Add	48.01 7.03 -11.29 -6.27 20.07 18.82 12.55 7.53 -3.76 -5.02 10.04 142.75	11.46
<b>32 31 13 13-0193</b>			<b>Fabric, Aluminized Steel Chain Link</b> (32 31 13 13-0170)		
32 31 13 13-0194	LF	3'	Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... For 6 Gauge Fabric, Add For 1" Mesh Fabric, Add	12.69 2.70 3.55	2.87



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13 13-0195	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	13.94 3.14 4.12	3.23
32 31	13 13-0196	LF	4' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	15.23 3.59 4.71	3.58
32 31	13 13-0197	LF	5' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	17.07 4.49 5.89	4.30
32 31	13 13-0198	LF	6' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.98 5.37 7.05	5.02
32 31	13 13-0199	LF	7' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	21.07 6.28 8.24	5.72
32 31	13 13-0200	LF	8' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	23.28 7.17 9.41	7.16
32 31	13 13-0201	LF	10' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	27.00 8.96 11.76	7.87
32 31	13 13-0202	LF	12' Full Height Fabric Chain Link #9 Gauge, Aluminized Steel, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	30.62 10.75 14.11	8.59
<b>32 31</b>	<b>13 13-0203</b>		<b>Fabric, All Aluminum Chain Link</b> <small>(32 31 13 13-0170)</small>		
32 31	13 13-0204	LF	3' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	18.14 7.06 9.27	2.87
32 31	13 13-0205	LF	3'-6" Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	20.32 8.24 10.82	3.23
32 31	13 13-0206	LF	4' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	22.51 9.42 12.36	3.58
32 31	13 13-0207	LF	5' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	26.17 11.77 15.45	4.30
32 31	13 13-0208	LF	6' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	29.93 14.13 18.54	5.02
32 31	13 13-0209	LF	7' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	33.82 16.48 21.63	5.72
32 31	13 13-0210	LF	8' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	37.86 18.83 24.72	7.16
32 31	13 13-0211	LF	10' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	45.23 23.54 30.90	7.87
32 31	13 13-0212	LF	12' Full Height Fabric Chain Link #9 Gauge, All Aluminum, 2" Mesh ..... <i>For 6 Gauge Fabric, Add</i> <i>For 1" Mesh Fabric, Add</i>	52.49 28.25 37.08	8.59
<b>32 31</b>	<b>13 13-0213</b>		<b>Fence Inserts</b> <small>(32 31 13 13-0170)</small>		
			Note: For use with new or existing chain link fence, per lf of fence.		
<b>32 31</b>	<b>13 13-0214</b>		<b>Vinyl Plastic Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
			Note: Assorted colors.		
32 31	13 13-0215	LF	3' High Fence, Vinyl Plastic Fence Insert.....	11.33	
32 31	13 13-0216	LF	3-1/2' High Fence, Vinyl Plastic Fence Insert.....	12.99	
32 31	13 13-0217	LF	4' High Fence, Vinyl Plastic Fence Insert.....	14.33	
32 31	13 13-0218	LF	5' High Fence, Vinyl Plastic Fence Insert.....	17.97	
32 31	13 13-0219	LF	6' High Fence, Vinyl Plastic Fence Insert.....	21.50	
32 31	13 13-0220	LF	7' High Fence, Vinyl Plastic Fence Insert.....	25.15	
32 31	13 13-0221	LF	8' High Fence, Vinyl Plastic Fence Insert.....	28.66	
32 31	13 13-0222	LF	10' High Fence, Vinyl Plastic Fence Insert.....	34.27	
<b>32 31</b>	<b>13 13-0223</b>		<b>Aluminum Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
			Note: Assorted colors.		
32 31	13 13-0224	LF	3' High Fence, Aluminum Fence Insert.....	36.19	
32 31	13 13-0225	LF	3-1/2' High Fence, Aluminum Fence Insert.....	39.78	
32 31	13 13-0226	LF	4' High Fence, Aluminum Fence Insert.....	45.51	
32 31	13 13-0227	LF	5' High Fence, Aluminum Fence Insert.....	56.97	
32 31	13 13-0228	LF	6' High Fence, Aluminum Fence Insert.....	68.34	
32 31	13 13-0229	LF	7' High Fence, Aluminum Fence Insert.....	74.65	
32 31	13 13-0230	LF	8' High Fence, Aluminum Fence Insert.....	91.11	
32 31	13 13-0231	LF	10' High Fence, Aluminum Fence Insert.....	112.85	
<b>32 31</b>	<b>13 13-0232</b>		<b>Redwood Fence Inserts</b> <small>(32 31 13 13-0213)</small>		
32 31	13 13-0233	LF	4' High Fence, Redwood Fence Insert.....	16.66	
32 31	13 13-0234	LF	5' High Fence, Redwood Fence Insert.....	21.12	
32 31	13 13-0235	LF	6' High Fence, Redwood Fence Insert.....	25.37	
32 31	13 13-0236	LF	7' High Fence, Redwood Fence Insert.....	29.53	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0237	LF		8' High Fence, Redwood Fence Insert.....	33.78	
<b>32 31 13 13-0238</b>			<b>Diagonal Flexible Polyethylene Inserts</b> (32 31 13 13-0213)		
32 31 13 13-0239	SF		Diagonal Polyethylene Fence Weave.....	4.52	
<b>32 31 13 13-0240</b>			<b>Hedge Link Fence Inserts</b> (32 31 13 13-0213)		
32 31 13 13-0241	LF		3' High Fence, Hedge Link Fence Insert.....	23.36	
32 31 13 13-0242	LF		3-1/2' High Fence, Hedge Link Fence Insert.....	26.60	
32 31 13 13-0243	LF		4' High Fence, Hedge Link Fence Insert.....	31.40	
32 31 13 13-0244	LF		5' High Fence, Hedge Link Fence Insert.....	38.80	
32 31 13 13-0245	LF		6' High Fence, Hedge Link Fence Insert.....	44.58	
32 31 13 13-0246	LF		7' High Fence, Hedge Link Fence Insert.....	55.89	
32 31 13 13-0247	LF		8' High Fence, Hedge Link Fence Insert.....	63.50	
32 31 13 13-0248	LF		10' High Fence, Hedge Link Fence Insert.....	75.66	
32 31 13 13-0249	LF		12' High Fence, Hedge Link Fence Insert.....	86.74	
<b>32 31 13 13-0250</b>			<b>Fence Windscreen Fabric</b> (32 31 13 13-0170)		
			Note: Includes plastic wire clips.		
32 31 13 13-0251	SF		Vinyl Coated Polyester Windscreen For Fence, 7 Oz Per SY .....	1.59	0.78
			For Sewn Boxed Vent (Each), Add	28.76	
			For Welded Boxed Vent (Each), Add	14.38	
			For 4' x 4' One Color Logo (Each), Add	599.20	
<b>32 31 13 13-0252</b>			<b>Gates</b> (32 31 13 13)		
			Note: Posts exclude drilling or augering in soil or rock. For barbed wire attached directly to posts and gates, select gates and posts sizes for full finished height of gate above grade (top rail to be at lower height, includes barb wire at top area where mesh would be). See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 13 13-0253</b>			<b>Galvanized Steel Without Barbed Wire</b> (32 31 13 13-0252)		
			Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter for > 6' To 12' wide, 6-5/8" diameter for >12' To 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.		
<b>32 31 13 13-0254</b>			<b>4' Fence Height</b> (32 31 13 13-0253)		
32 31 13 13-0255	EA		3' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	387.62	32.28
			For Gate With Single Barb Wire Arm, Add	31.54	
			For Gate With Double Barb Wire Arm, Add	45.88	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.77	
			For Aluminized Steel Gate And Post, Add	137.64	
			For Powder Coated Gate And Post, Add	74.56	
			For 1" Mesh Fabric, Add	124.74	
			For 1-1/4" Mesh Fabric, Add	80.29	
			For 1-3/4" Mesh Fabric, Add	49.89	
			For 2-1/8" Mesh Fabric, Deduct	-24.95	
32 31 13 13-0256	EA		4' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	483.20	33.63
			For Gate With Single Barb Wire Arm, Add	42.06	
			For Gate With Double Barb Wire Arm, Add	61.17	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-71.69	
			For Aluminized Steel Gate And Post, Add	183.52	
			For Powder Coated Gate And Post, Add	99.41	
			For 1" Mesh Fabric, Add	166.31	
			For 1-1/4" Mesh Fabric, Add	107.05	
			For 1-3/4" Mesh Fabric, Add	66.53	
			For 2-1/8" Mesh Fabric, Deduct	-33.26	
32 31 13 13-0257	EA		5' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	569.20	35.78
			For Gate With Single Barb Wire Arm, Add	50.78	
			For Gate With Double Barb Wire Arm, Add	73.86	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-86.55	
			For Aluminized Steel Gate And Post, Add	221.57	
			For Powder Coated Gate And Post, Add	120.02	
			For 1" Mesh Fabric, Add	200.80	
			For 1-1/4" Mesh Fabric, Add	129.25	
			For 1-3/4" Mesh Fabric, Add	80.32	
			For 2-1/8" Mesh Fabric, Deduct	-40.16	
32 31 13 13-0258	EA		6' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	669.99	43.04
			For Gate With Single Barb Wire Arm, Add	59.49	
			For Gate With Double Barb Wire Arm, Add	86.54	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-101.41	
			For Aluminized Steel Gate And Post, Add	259.61	
			For Powder Coated Gate And Post, Add	140.62	
			For 1" Mesh Fabric, Add	235.27	
			For 1-1/4" Mesh Fabric, Add	151.44	
			For 1-3/4" Mesh Fabric, Add	94.11	
			For 2-1/8" Mesh Fabric, Deduct	-47.05	
32 31 13 13-0259	EA		7' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire .....	770.78	50.16
			For Gate With Single Barb Wire Arm, Add	68.21	
			For Gate With Double Barb Wire Arm, Add	99.22	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-116.27	
			For Aluminized Steel Gate And Post, Add	297.66	
			For Powder Coated Gate And Post, Add	161.23	
			For 1" Mesh Fabric, Add	269.76	
			For 1-1/4" Mesh Fabric, Add	173.64	
			For 1-3/4" Mesh Fabric, Add	107.90	
			For 2-1/8" Mesh Fabric, Deduct	-53.95	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0260	EA	8' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	874.80	57.29
		<i>For Gate With Single Barb Wire Arm, Add</i>	77.29	
		<i>For Gate With Double Barb Wire Arm, Add</i>	112.42	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-131.75	
		<i>For Aluminized Steel Gate And Post, Add</i>	337.27	
		<i>For Powder Coated Gate And Post, Add</i>	182.69	
		<i>For 1" Mesh Fabric, Add</i>	305.65	
		<i>For 1-1/4" Mesh Fabric, Add</i>	196.74	
		<i>For 1-3/4" Mesh Fabric, Add</i>	122.26	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-61.13	
32 31 13 13-0261	EA	9' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	975.57	64.56
		<i>For Gate With Single Barb Wire Arm, Add</i>	86.01	
		<i>For Gate With Double Barb Wire Arm, Add</i>	125.11	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-146.61	
		<i>For Aluminized Steel Gate And Post, Add</i>	375.32	
		<i>For Powder Coated Gate And Post, Add</i>	203.30	
		<i>For 1" Mesh Fabric, Add</i>	340.14	
		<i>For 1-1/4" Mesh Fabric, Add</i>	218.94	
		<i>For 1-3/4" Mesh Fabric, Add</i>	136.05	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-68.03	
32 31 13 13-0262	EA	10' Wide x 4' High Single Gate Galvanized Steel Without Barbed Wire	1,077.75	71.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	94.88	
		<i>For Gate With Double Barb Wire Arm, Add</i>	138.01	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-161.73	
		<i>For Aluminized Steel Gate And Post, Add</i>	414.04	
		<i>For Powder Coated Gate And Post, Add</i>	224.27	
		<i>For 1" Mesh Fabric, Add</i>	375.22	
		<i>For 1-1/4" Mesh Fabric, Add</i>	241.52	
		<i>For 1-3/4" Mesh Fabric, Add</i>	150.09	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-75.04	
32 31 13 13-0263	EA	10' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,362.18	71.69
		<i>For Gate With Single Barb Wire Arm, Add</i>	126.17	
		<i>For Gate With Double Barb Wire Arm, Add</i>	183.52	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-215.06	
		<i>For Aluminized Steel Gate And Post, Add</i>	550.56	
		<i>For Powder Coated Gate And Post, Add</i>	298.22	
		<i>For 1" Mesh Fabric, Add</i>	498.95	
		<i>For 1-1/4" Mesh Fabric, Add</i>	321.16	
		<i>For 1-3/4" Mesh Fabric, Add</i>	199.58	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-99.79	
32 31 13 13-0264	EA	12' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,606.96	76.80
		<i>For Gate With Single Barb Wire Arm, Add</i>	151.40	
		<i>For Gate With Double Barb Wire Arm, Add</i>	220.22	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-258.08	
		<i>For Aluminized Steel Gate And Post, Add</i>	660.67	
		<i>For Powder Coated Gate And Post, Add</i>	357.86	
		<i>For 1" Mesh Fabric, Add</i>	598.73	
		<i>For 1-1/4" Mesh Fabric, Add</i>	385.39	
		<i>For 1-3/4" Mesh Fabric, Add</i>	239.49	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-119.75	
32 31 13 13-0265	EA	14' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	1,854.09	82.72
		<i>For Gate With Single Barb Wire Arm, Add</i>	176.64	
		<i>For Gate With Double Barb Wire Arm, Add</i>	256.93	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-301.09	
		<i>For Aluminized Steel Gate And Post, Add</i>	770.78	
		<i>For Powder Coated Gate And Post, Add</i>	417.51	
		<i>For 1" Mesh Fabric, Add</i>	698.52	
		<i>For 1-1/4" Mesh Fabric, Add</i>	449.62	
		<i>For 1-3/4" Mesh Fabric, Add</i>	279.41	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-139.70	
32 31 13 13-0266	EA	16' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,104.18	89.58
		<i>For Gate With Single Barb Wire Arm, Add</i>	201.87	
		<i>For Gate With Double Barb Wire Arm, Add</i>	293.63	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-344.10	
		<i>For Aluminized Steel Gate And Post, Add</i>	880.90	
		<i>For Powder Coated Gate And Post, Add</i>	477.15	
		<i>For 1" Mesh Fabric, Add</i>	798.31	
		<i>For 1-1/4" Mesh Fabric, Add</i>	513.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	319.32	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-159.66	
32 31 13 13-0267	EA	18' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,389.68	108.19
		<i>For Gate With Single Barb Wire Arm, Add</i>	227.11	
		<i>For Gate With Double Barb Wire Arm, Add</i>	330.34	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-387.11	
		<i>For Aluminized Steel Gate And Post, Add</i>	991.01	
		<i>For Powder Coated Gate And Post, Add</i>	536.80	
		<i>For 1" Mesh Fabric, Add</i>	898.10	
		<i>For 1-1/4" Mesh Fabric, Add</i>	578.09	
		<i>For 1-3/4" Mesh Fabric, Add</i>	359.24	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-179.62	
32 31 13 13-0268	EA	20' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,642.30	115.96
		<i>For Gate With Single Barb Wire Arm, Add</i>	252.34	
		<i>For Gate With Double Barb Wire Arm, Add</i>	367.04	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-430.13	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,101.12	
		<i>For Powder Coated Gate And Post, Add</i>	596.44	
		<i>For 1" Mesh Fabric, Add</i>	997.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	642.32	
		<i>For 1-3/4" Mesh Fabric, Add</i>	399.16	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-199.58	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0269	EA	22' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	2,892.90	124.95
		<i>For Gate With Single Barb Wire Arm, Add</i>	276.96	
		<i>For Gate With Double Barb Wire Arm, Add</i>	402.85	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-472.09	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,208.54	
		<i>For Powder Coated Gate And Post, Add</i>	654.63	
		<i>For 1" Mesh Fabric, Add</i>	1,095.24	
		<i>For 1-1/4" Mesh Fabric, Add</i>	704.98	
		<i>For 1-3/4" Mesh Fabric, Add</i>	438.10	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-219.05	
32 31 13 13-0270	EA	24' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,147.96	135.32
		<i>For Gate With Single Barb Wire Arm, Add</i>	301.58	
		<i>For Gate With Double Barb Wire Arm, Add</i>	438.66	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-514.05	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,315.97	
		<i>For Powder Coated Gate And Post, Add</i>	712.82	
		<i>For 1" Mesh Fabric, Add</i>	1,192.60	
		<i>For 1-1/4" Mesh Fabric, Add</i>	767.65	
		<i>For 1-3/4" Mesh Fabric, Add</i>	477.04	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-238.52	
32 31 13 13-0271	EA	26' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,408.70	147.66
		<i>For Gate With Single Barb Wire Arm, Add</i>	326.20	
		<i>For Gate With Double Barb Wire Arm, Add</i>	474.47	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-556.01	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,423.40	
		<i>For Powder Coated Gate And Post, Add</i>	771.01	
		<i>For 1" Mesh Fabric, Add</i>	1,289.95	
		<i>For 1-1/4" Mesh Fabric, Add</i>	830.31	
		<i>For 1-3/4" Mesh Fabric, Add</i>	515.98	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-257.99	
32 31 13 13-0272	EA	28' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,592.91	162.43
		<i>For Gate With Single Barb Wire Arm, Add</i>	341.58	
		<i>For Gate With Double Barb Wire Arm, Add</i>	496.85	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-582.24	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,490.54	
		<i>For Powder Coated Gate And Post, Add</i>	807.38	
		<i>For 1" Mesh Fabric, Add</i>	1,350.80	
		<i>For 1-1/4" Mesh Fabric, Add</i>	869.48	
		<i>For 1-3/4" Mesh Fabric, Add</i>	540.32	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-270.16	
32 31 13 13-0273	EA	30' Wide x 4' High Double Gate Galvanized Steel Without Barbed Wire	3,982.79	180.42
		<i>For Gate With Single Barb Wire Arm, Add</i>	378.51	
		<i>For Gate With Double Barb Wire Arm, Add</i>	550.56	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-645.19	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,651.68	
		<i>For Powder Coated Gate And Post, Add</i>	894.66	
		<i>For 1" Mesh Fabric, Add</i>	1,496.84	
		<i>For 1-1/4" Mesh Fabric, Add</i>	963.48	
		<i>For 1-3/4" Mesh Fabric, Add</i>	598.73	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-299.37	
<b>32 31 13 13-0274</b>		<b>5' Fence Height <small>(32 31 13 13-0253)</small></b>		
32 31 13 13-0275	EA	3' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	461.96	35.78
		<i>For Gate With Single Barb Wire Arm, Add</i>	38.98	
		<i>For Gate With Double Barb Wire Arm, Add</i>	56.70	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-66.44	
		<i>For Aluminized Steel Gate And Post, Add</i>	170.09	
		<i>For Powder Coated Gate And Post, Add</i>	92.13	
		<i>For 1" Mesh Fabric, Add</i>	154.15	
		<i>For 1-1/4" Mesh Fabric, Add</i>	99.22	
		<i>For 1-3/4" Mesh Fabric, Add</i>	61.66	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-30.83	
32 31 13 13-0276	EA	4' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	578.52	35.78
		<i>For Gate With Single Barb Wire Arm, Add</i>	51.80	
		<i>For Gate With Double Barb Wire Arm, Add</i>	75.35	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-88.30	
		<i>For Aluminized Steel Gate And Post, Add</i>	226.04	
		<i>For Powder Coated Gate And Post, Add</i>	122.44	
		<i>For 1" Mesh Fabric, Add</i>	204.85	
		<i>For 1-1/4" Mesh Fabric, Add</i>	131.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	81.94	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-40.97	
32 31 13 13-0277	EA	5' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	673.84	38.06
		<i>For Gate With Single Barb Wire Arm, Add</i>	61.55	
		<i>For Gate With Double Barb Wire Arm, Add</i>	89.52	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-104.91	
		<i>For Aluminized Steel Gate And Post, Add</i>	268.56	
		<i>For Powder Coated Gate And Post, Add</i>	145.47	
		<i>For 1" Mesh Fabric, Add</i>	243.39	
		<i>For 1-1/4" Mesh Fabric, Add</i>	156.66	
		<i>For 1-3/4" Mesh Fabric, Add</i>	97.35	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-48.68	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0278	EA	6' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	789.95	45.73
		<i>For Gate With Single Barb Wire Arm, Add</i>	71.80	
		<i>For Gate With Double Barb Wire Arm, Add</i>	104.44	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-122.39	
		<i>For Aluminized Steel Gate And Post, Add</i>	313.32	
		<i>For Powder Coated Gate And Post, Add</i>	169.72	
		<i>For 1" Mesh Fabric, Add</i>	283.95	
		<i>For 1-1/4" Mesh Fabric, Add</i>	182.77	
		<i>For 1-3/4" Mesh Fabric, Add</i>	113.58	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-56.79	
32 31 13 13-0279	EA	7' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	896.73	53.26
		<i>For Gate With Single Barb Wire Arm, Add</i>	81.04	
		<i>For Gate With Double Barb Wire Arm, Add</i>	117.87	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-138.13	
		<i>For Aluminized Steel Gate And Post, Add</i>	353.61	
		<i>For Powder Coated Gate And Post, Add</i>	191.54	
		<i>For 1" Mesh Fabric, Add</i>	320.46	
		<i>For 1-1/4" Mesh Fabric, Add</i>	206.27	
		<i>For 1-3/4" Mesh Fabric, Add</i>	128.18	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.09	
32 31 13 13-0280	EA	8' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,014.20	61.32
		<i>For Gate With Single Barb Wire Arm, Add</i>	91.29	
		<i>For Gate With Double Barb Wire Arm, Add</i>	132.79	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-155.61	
		<i>For Aluminized Steel Gate And Post, Add</i>	398.37	
		<i>For Powder Coated Gate And Post, Add</i>	215.78	
		<i>For 1" Mesh Fabric, Add</i>	361.02	
		<i>For 1-1/4" Mesh Fabric, Add</i>	232.38	
		<i>For 1-3/4" Mesh Fabric, Add</i>	144.41	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-72.20	
32 31 13 13-0281	EA	9' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,125.64	68.99
		<i>For Gate With Single Barb Wire Arm, Add</i>	101.04	
		<i>For Gate With Double Barb Wire Arm, Add</i>	146.96	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-172.22	
		<i>For Aluminized Steel Gate And Post, Add</i>	440.89	
		<i>For Powder Coated Gate And Post, Add</i>	238.82	
		<i>For 1" Mesh Fabric, Add</i>	399.56	
		<i>For 1-1/4" Mesh Fabric, Add</i>	257.19	
		<i>For 1-3/4" Mesh Fabric, Add</i>	159.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-79.91	
32 31 13 13-0282	EA	10' Wide x 5' High Single Gate Galvanized Steel Without Barbed Wire	1,237.10	76.52
		<i>For Gate With Single Barb Wire Arm, Add</i>	110.78	
		<i>For Gate With Double Barb Wire Arm, Add</i>	161.14	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-188.84	
		<i>For Aluminized Steel Gate And Post, Add</i>	483.42	
		<i>For Powder Coated Gate And Post, Add</i>	261.85	
		<i>For 1" Mesh Fabric, Add</i>	438.10	
		<i>For 1-1/4" Mesh Fabric, Add</i>	281.99	
		<i>For 1-3/4" Mesh Fabric, Add</i>	175.24	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-87.62	
32 31 13 13-0283	EA	10' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,651.72	76.80
		<i>For Gate With Single Barb Wire Arm, Add</i>	156.33	
		<i>For Gate With Double Barb Wire Arm, Add</i>	227.39	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-266.47	
		<i>For Aluminized Steel Gate And Post, Add</i>	682.16	
		<i>For Powder Coated Gate And Post, Add</i>	369.50	
		<i>For 1" Mesh Fabric, Add</i>	618.20	
		<i>For 1-1/4" Mesh Fabric, Add</i>	397.92	
		<i>For 1-3/4" Mesh Fabric, Add</i>	247.28	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-123.64	
32 31 13 13-0284	EA	12' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	1,954.80	82.72
		<i>For Gate With Single Barb Wire Arm, Add</i>	187.72	
		<i>For Gate With Double Barb Wire Arm, Add</i>	273.04	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-319.97	
		<i>For Aluminized Steel Gate And Post, Add</i>	819.12	
		<i>For Powder Coated Gate And Post, Add</i>	443.69	
		<i>For 1" Mesh Fabric, Add</i>	742.33	
		<i>For 1-1/4" Mesh Fabric, Add</i>	477.82	
		<i>For 1-3/4" Mesh Fabric, Add</i>	296.93	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-148.47	
32 31 13 13-0285	EA	14' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,260.84	89.58
		<i>For Gate With Single Barb Wire Arm, Add</i>	219.10	
		<i>For Gate With Double Barb Wire Arm, Add</i>	318.70	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-373.47	
		<i>For Aluminized Steel Gate And Post, Add</i>	956.09	
		<i>For Powder Coated Gate And Post, Add</i>	517.88	
		<i>For 1" Mesh Fabric, Add</i>	866.46	
		<i>For 1-1/4" Mesh Fabric, Add</i>	557.72	
		<i>For 1-3/4" Mesh Fabric, Add</i>	346.58	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-173.29	
32 31 13 13-0286	EA	16' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,602.29	108.19
		<i>For Gate With Single Barb Wire Arm, Add</i>	250.49	
		<i>For Gate With Double Barb Wire Arm, Add</i>	364.35	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-426.98	
		<i>For Aluminized Steel Gate And Post, Add</i>	1,093.06	
		<i>For Powder Coated Gate And Post, Add</i>	592.07	
		<i>For 1" Mesh Fabric, Add</i>	990.59	
		<i>For 1-1/4" Mesh Fabric, Add</i>	637.62	
		<i>For 1-3/4" Mesh Fabric, Add</i>	396.23	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-198.12	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0287	EA		18' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	2,905.27	115.96
			<i>For Gate With Single Barb Wire Arm, Add</i>	281.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	409.12	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-479.43	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,227.35	
			<i>For Powder Coated Gate And Post, Add</i>	664.81	
			<i>For 1" Mesh Fabric, Add</i>	1,112.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	715.95	
			<i>For 1-3/4" Mesh Fabric, Add</i>	444.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-222.46	
32 31 13 13-0288	EA		20' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,223.02	124.95
			<i>For Gate With Single Barb Wire Arm, Add</i>	313.27	
			<i>For Gate With Double Barb Wire Arm, Add</i>	455.67	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-533.99	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,367.00	
			<i>For Powder Coated Gate And Post, Add</i>	740.46	
			<i>For 1" Mesh Fabric, Add</i>	1,238.85	
			<i>For 1-1/4" Mesh Fabric, Add</i>	797.42	
			<i>For 1-3/4" Mesh Fabric, Add</i>	495.54	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-247.77	
32 31 13 13-0289	EA		22' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,539.62	135.32
			<i>For Gate With Single Barb Wire Arm, Add</i>	344.66	
			<i>For Gate With Double Barb Wire Arm, Add</i>	501.32	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-587.49	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,503.97	
			<i>For Powder Coated Gate And Post, Add</i>	814.65	
			<i>For 1" Mesh Fabric, Add</i>	1,362.97	
			<i>For 1-1/4" Mesh Fabric, Add</i>	877.32	
			<i>For 1-3/4" Mesh Fabric, Add</i>	545.19	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-272.59	
32 31 13 13-0290	EA		24' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	3,856.31	147.66
			<i>For Gate With Single Barb Wire Arm, Add</i>	375.43	
			<i>For Gate With Double Barb Wire Arm, Add</i>	546.08	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-639.94	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,638.25	
			<i>For Powder Coated Gate And Post, Add</i>	887.39	
			<i>For 1" Mesh Fabric, Add</i>	1,484.66	
			<i>For 1-1/4" Mesh Fabric, Add</i>	955.65	
			<i>For 1-3/4" Mesh Fabric, Add</i>	593.87	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-296.93	
32 31 13 13-0291	EA		26' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,191.59	162.43
			<i>For Gate With Single Barb Wire Arm, Add</i>	407.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	592.64	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-694.49	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,777.91	
			<i>For Powder Coated Gate And Post, Add</i>	963.03	
			<i>For 1" Mesh Fabric, Add</i>	1,611.23	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,037.11	
			<i>For 1-3/4" Mesh Fabric, Add</i>	644.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-322.25	
32 31 13 13-0292	EA		28' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,527.59	180.42
			<i>For Gate With Single Barb Wire Arm, Add</i>	438.44	
			<i>For Gate With Double Barb Wire Arm, Add</i>	637.73	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-747.34	
			<i>For Aluminized Steel Gate And Post, Add</i>	1,913.18	
			<i>For Powder Coated Gate And Post, Add</i>	1,036.31	
			<i>For 1" Mesh Fabric, Add</i>	1,733.82	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,116.02	
			<i>For 1-3/4" Mesh Fabric, Add</i>	693.53	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-346.76	
32 31 13 13-0293	EA		30' Wide x 5' High Double Gate Galvanized Steel Without Barbed Wire	4,873.00	202.97
			<i>For Gate With Single Barb Wire Arm, Add</i>	468.98	
			<i>For Gate With Double Barb Wire Arm, Add</i>	682.16	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-799.40	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,046.47	
			<i>For Powder Coated Gate And Post, Add</i>	1,108.50	
			<i>For 1" Mesh Fabric, Add</i>	1,854.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,193.77	
			<i>For 1-3/4" Mesh Fabric, Add</i>	741.85	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-370.92	
<b>32 31 13 13-0294</b>			<b>6' Fence Height</b> <small>(32 31 13 13-0253)</small>		
32 31 13 13-0295	EA		3' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	495.27	38.33
			<i>For Gate With Single Barb Wire Arm, Add</i>	41.80	
			<i>For Gate With Double Barb Wire Arm, Add</i>	60.80	
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-71.25	
			<i>For Aluminized Steel Gate And Post, Add</i>	182.40	
			<i>For Powder Coated Gate And Post, Add</i>	98.80	
			<i>For 1" Mesh Fabric, Add</i>	165.30	
			<i>For 1-1/4" Mesh Fabric, Add</i>	106.40	
			<i>For 1-3/4" Mesh Fabric, Add</i>	66.12	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-33.06	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0296	EA	4' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	621.16	38.33
		<i>For Gate With Single Barb Wire Arm, Add</i>	55.65	
		<i>For Gate With Double Barb Wire Arm, Add</i>	80.94	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-94.85	
		<i>For Aluminized Steel Gate And Post, Add</i>	242.83	
		<i>For Powder Coated Gate And Post, Add</i>	131.53	
		<i>For 1" Mesh Fabric, Add</i>	220.06	
		<i>For 1-1/4" Mesh Fabric, Add</i>	141.65	
		<i>For 1-3/4" Mesh Fabric, Add</i>	88.02	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-44.01	
32 31 13 13-0297	EA	5' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	724.56	40.75
		<i>For Gate With Single Barb Wire Arm, Add</i>	66.24	
		<i>For Gate With Double Barb Wire Arm, Add</i>	96.35	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-112.91	
		<i>For Aluminized Steel Gate And Post, Add</i>	289.04	
		<i>For Powder Coated Gate And Post, Add</i>	156.56	
		<i>For 1" Mesh Fabric, Add</i>	261.94	
		<i>For 1-1/4" Mesh Fabric, Add</i>	168.61	
		<i>For 1-3/4" Mesh Fabric, Add</i>	104.78	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-52.39	
32 31 13 13-0298	EA	6' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	842.67	49.22
		<i>For Gate With Single Barb Wire Arm, Add</i>	76.42	
		<i>For Gate With Double Barb Wire Arm, Add</i>	111.16	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-130.26	
		<i>For Aluminized Steel Gate And Post, Add</i>	333.47	
		<i>For Powder Coated Gate And Post, Add</i>	180.63	
		<i>For 1" Mesh Fabric, Add</i>	302.21	
		<i>For 1-1/4" Mesh Fabric, Add</i>	194.52	
		<i>For 1-3/4" Mesh Fabric, Add</i>	120.88	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-60.44	
32 31 13 13-0299	EA	7' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	966.12	57.83
		<i>For Gate With Single Barb Wire Arm, Add</i>	87.19	
		<i>For Gate With Double Barb Wire Arm, Add</i>	126.82	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-148.62	
		<i>For Aluminized Steel Gate And Post, Add</i>	380.47	
		<i>For Powder Coated Gate And Post, Add</i>	206.09	
		<i>For 1" Mesh Fabric, Add</i>	344.80	
		<i>For 1-1/4" Mesh Fabric, Add</i>	221.94	
		<i>For 1-3/4" Mesh Fabric, Add</i>	137.92	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-68.96	
32 31 13 13-0300	EA	8' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,083.59	65.90
		<i>For Gate With Single Barb Wire Arm, Add</i>	97.45	
		<i>For Gate With Double Barb Wire Arm, Add</i>	141.74	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-166.10	
		<i>For Aluminized Steel Gate And Post, Add</i>	425.23	
		<i>For Powder Coated Gate And Post, Add</i>	230.33	
		<i>For 1" Mesh Fabric, Add</i>	385.36	
		<i>For 1-1/4" Mesh Fabric, Add</i>	248.05	
		<i>For 1-3/4" Mesh Fabric, Add</i>	154.14	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-77.07	
32 31 13 13-0301	EA	9' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,202.41	74.37
		<i>For Gate With Single Barb Wire Arm, Add</i>	107.71	
		<i>For Gate With Double Barb Wire Arm, Add</i>	156.66	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-183.59	
		<i>For Aluminized Steel Gate And Post, Add</i>	469.99	
		<i>For Powder Coated Gate And Post, Add</i>	254.58	
		<i>For 1" Mesh Fabric, Add</i>	425.93	
		<i>For 1-1/4" Mesh Fabric, Add</i>	274.16	
		<i>For 1-3/4" Mesh Fabric, Add</i>	170.37	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-85.19	
32 31 13 13-0302	EA	10' Wide x 6' High Single Gate Galvanized Steel Without Barbed Wire	1,279.23	82.85
		<i>For Gate With Single Barb Wire Arm, Add</i>	113.35	
		<i>For Gate With Double Barb Wire Arm, Add</i>	164.87	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-193.21	
		<i>For Aluminized Steel Gate And Post, Add</i>	494.61	
		<i>For Powder Coated Gate And Post, Add</i>	267.91	
		<i>For 1" Mesh Fabric, Add</i>	448.24	
		<i>For 1-1/4" Mesh Fabric, Add</i>	288.52	
		<i>For 1-3/4" Mesh Fabric, Add</i>	179.29	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-89.65	
32 31 13 13-0303	EA	10' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	1,764.57	82.72
		<i>For Gate With Single Barb Wire Arm, Add</i>	166.79	
		<i>For Gate With Double Barb Wire Arm, Add</i>	242.60	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-284.30	
		<i>For Aluminized Steel Gate And Post, Add</i>	727.81	
		<i>For Powder Coated Gate And Post, Add</i>	394.23	
		<i>For 1" Mesh Fabric, Add</i>	659.58	
		<i>For 1-1/4" Mesh Fabric, Add</i>	424.56	
		<i>For 1-3/4" Mesh Fabric, Add</i>	263.83	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-131.92	
32 31 13 13-0304	EA	12' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,087.39	89.58
		<i>For Gate With Single Barb Wire Arm, Add</i>	200.03	
		<i>For Gate With Double Barb Wire Arm, Add</i>	290.95	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-340.95	
		<i>For Aluminized Steel Gate And Post, Add</i>	872.84	
		<i>For Powder Coated Gate And Post, Add</i>	472.79	
		<i>For 1" Mesh Fabric, Add</i>	791.01	
		<i>For 1-1/4" Mesh Fabric, Add</i>	509.15	
		<i>For 1-3/4" Mesh Fabric, Add</i>	316.40	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-158.20	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0305	EA 14' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,474.45	115.96
			For Gate With Single Barb Wire Arm, Add	233.88	
			For Gate With Double Barb Wire Arm, Add	340.18	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-398.65	
			For Aluminized Steel Gate And Post, Add	1,020.55	
			For Powder Coated Gate And Post, Add	552.80	
			For 1" Mesh Fabric, Add	924.88	
			For 1-1/4" Mesh Fabric, Add	595.32	
			For 1-3/4" Mesh Fabric, Add	369.95	
			For 2-1/8" Mesh Fabric, Deduct	-184.98	
32 31	13	13-0306	EA 16' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	2,803.38	124.95
			For Gate With Single Barb Wire Arm, Add	267.11	
			For Gate With Double Barb Wire Arm, Add	388.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-455.30	
			For Aluminized Steel Gate And Post, Add	1,165.57	
			For Powder Coated Gate And Post, Add	631.35	
			For 1" Mesh Fabric, Add	1,056.30	
			For 1-1/4" Mesh Fabric, Add	679.92	
			For 1-3/4" Mesh Fabric, Add	422.52	
			For 2-1/8" Mesh Fabric, Deduct	-211.26	
32 31	13	13-0307	EA 18' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,142.36	135.32
			For Gate With Single Barb Wire Arm, Add	300.96	
			For Gate With Double Barb Wire Arm, Add	437.76	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-513.00	
			For Aluminized Steel Gate And Post, Add	1,313.28	
			For Powder Coated Gate And Post, Add	711.36	
			For 1" Mesh Fabric, Add	1,190.16	
			For 1-1/4" Mesh Fabric, Add	766.08	
			For 1-3/4" Mesh Fabric, Add	476.07	
			For 2-1/8" Mesh Fabric, Deduct	-238.03	
32 31	13	13-0308	EA 20' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,487.04	147.66
			For Gate With Single Barb Wire Arm, Add	334.81	
			For Gate With Double Barb Wire Arm, Add	487.00	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-570.70	
			For Aluminized Steel Gate And Post, Add	1,461.00	
			For Powder Coated Gate And Post, Add	791.38	
			For 1" Mesh Fabric, Add	1,324.03	
			For 1-1/4" Mesh Fabric, Add	852.25	
			For 1-3/4" Mesh Fabric, Add	529.61	
			For 2-1/8" Mesh Fabric, Deduct	-264.81	
32 31	13	13-0309	EA 22' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	3,833.50	162.43
			For Gate With Single Barb Wire Arm, Add	368.05	
			For Gate With Double Barb Wire Arm, Add	535.34	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-627.35	
			For Aluminized Steel Gate And Post, Add	1,606.02	
			For Powder Coated Gate And Post, Add	869.93	
			For 1" Mesh Fabric, Add	1,455.46	
			For 1-1/4" Mesh Fabric, Add	936.85	
			For 1-3/4" Mesh Fabric, Add	582.18	
			For 2-1/8" Mesh Fabric, Deduct	-291.09	
32 31	13	13-0310	EA 24' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,192.61	180.42
			For Gate With Single Barb Wire Arm, Add	401.59	
			For Gate With Double Barb Wire Arm, Add	584.13	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-684.53	
			For Aluminized Steel Gate And Post, Add	1,752.39	
			For Powder Coated Gate And Post, Add	949.21	
			For 1" Mesh Fabric, Add	1,588.11	
			For 1-1/4" Mesh Fabric, Add	1,022.23	
			For 1-3/4" Mesh Fabric, Add	635.24	
			For 2-1/8" Mesh Fabric, Deduct	-317.62	
32 31	13	13-0311	EA 26' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,561.91	202.97
			For Gate With Single Barb Wire Arm, Add	434.76	
			For Gate With Double Barb Wire Arm, Add	632.38	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-741.07	
			For Aluminized Steel Gate And Post, Add	1,897.15	
			For Powder Coated Gate And Post, Add	1,027.62	
			For 1" Mesh Fabric, Add	1,719.29	
			For 1-1/4" Mesh Fabric, Add	1,106.67	
			For 1-3/4" Mesh Fabric, Add	687.72	
			For 2-1/8" Mesh Fabric, Deduct	-343.86	
32 31	13	13-0312	EA 28' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	4,954.48	231.92
			For Gate With Single Barb Wire Arm, Add	468.37	
			For Gate With Double Barb Wire Arm, Add	681.26	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-798.35	
			For Aluminized Steel Gate And Post, Add	2,043.79	
			For Powder Coated Gate And Post, Add	1,107.05	
			For 1" Mesh Fabric, Add	1,852.18	
			For 1-1/4" Mesh Fabric, Add	1,192.21	
			For 1-3/4" Mesh Fabric, Add	740.87	
			For 2-1/8" Mesh Fabric, Deduct	-370.44	
32 31	13	13-0313	EA 30' Wide x 6' High Double Gate Galvanized Steel Without Barbed Wire	5,376.64	270.63
			For Gate With Single Barb Wire Arm, Add	502.03	
			For Gate With Double Barb Wire Arm, Add	730.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-855.74	
			For Aluminized Steel Gate And Post, Add	2,190.69	
			For Powder Coated Gate And Post, Add	1,186.62	
			For 1" Mesh Fabric, Add	1,985.31	
			For 1-1/4" Mesh Fabric, Add	1,277.90	
			For 1-3/4" Mesh Fabric, Add	794.13	
			For 2-1/8" Mesh Fabric, Deduct	-397.06	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0314			<b>7' Fence Height</b> (32 31 13 13-0253)		
32 31 13 13-0315	EA		3' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	520.46	41.29
			For Gate With Single Barb Wire Arm, Add	43.60	
			For Gate With Double Barb Wire Arm, Add	63.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-74.31	
			For Aluminized Steel Gate And Post, Add	190.23	
			For Powder Coated Gate And Post, Add	103.04	
			For 1" Mesh Fabric, Add	172.40	
			For 1-1/4" Mesh Fabric, Add	110.97	
			For 1-3/4" Mesh Fabric, Add	68.96	
			For 2-1/8" Mesh Fabric, Deduct	-34.48	
32 31 13 13-0316	EA		4' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	651.01	41.29
			For Gate With Single Barb Wire Arm, Add	57.96	
			For Gate With Double Barb Wire Arm, Add	84.30	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.79	
			For Aluminized Steel Gate And Post, Add	252.90	
			For Powder Coated Gate And Post, Add	136.99	
			For 1" Mesh Fabric, Add	229.19	
			For 1-1/4" Mesh Fabric, Add	147.52	
			For 1-3/4" Mesh Fabric, Add	91.68	
			For 2-1/8" Mesh Fabric, Deduct	-45.84	
32 31 13 13-0317	EA		5' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	763.07	43.44
			For Gate With Single Barb Wire Arm, Add	69.59	
			For Gate With Double Barb Wire Arm, Add	101.22	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.62	
			For Aluminized Steel Gate And Post, Add	303.66	
			For Powder Coated Gate And Post, Add	164.48	
			For 1" Mesh Fabric, Add	275.19	
			For 1-1/4" Mesh Fabric, Add	177.13	
			For 1-3/4" Mesh Fabric, Add	110.08	
			For 2-1/8" Mesh Fabric, Deduct	-55.04	
32 31 13 13-0318	EA		6' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	934.93	52.86
			For Gate With Single Barb Wire Arm, Add	85.39	
			For Gate With Double Barb Wire Arm, Add	124.20	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-145.54	
			For Aluminized Steel Gate And Post, Add	372.59	
			For Powder Coated Gate And Post, Add	201.82	
			For 1" Mesh Fabric, Add	337.66	
			For 1-1/4" Mesh Fabric, Add	217.34	
			For 1-3/4" Mesh Fabric, Add	135.06	
			For 2-1/8" Mesh Fabric, Deduct	-67.53	
32 31 13 13-0319	EA		7' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,105.47	61.87
			For Gate With Single Barb Wire Arm, Add	101.19	
			For Gate With Double Barb Wire Arm, Add	147.18	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-172.48	
			For Aluminized Steel Gate And Post, Add	441.54	
			For Powder Coated Gate And Post, Add	239.17	
			For 1" Mesh Fabric, Add	400.15	
			For 1-1/4" Mesh Fabric, Add	257.57	
			For 1-3/4" Mesh Fabric, Add	160.06	
			For 2-1/8" Mesh Fabric, Deduct	-80.03	
32 31 13 13-0320	EA		8' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,277.33	71.14
			For Gate With Single Barb Wire Arm, Add	116.98	
			For Gate With Double Barb Wire Arm, Add	170.16	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-199.40	
			For Aluminized Steel Gate And Post, Add	510.48	
			For Powder Coated Gate And Post, Add	276.51	
			For 1" Mesh Fabric, Add	462.62	
			For 1-1/4" Mesh Fabric, Add	297.78	
			For 1-3/4" Mesh Fabric, Add	185.05	
			For 2-1/8" Mesh Fabric, Deduct	-92.52	
32 31 13 13-0321	EA		9' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,447.89	80.16
			For Gate With Single Barb Wire Arm, Add	132.79	
			For Gate With Double Barb Wire Arm, Add	193.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.34	
			For Aluminized Steel Gate And Post, Add	579.43	
			For Powder Coated Gate And Post, Add	313.86	
			For 1" Mesh Fabric, Add	525.11	
			For 1-1/4" Mesh Fabric, Add	338.00	
			For 1-3/4" Mesh Fabric, Add	210.04	
			For 2-1/8" Mesh Fabric, Deduct	-105.02	
32 31 13 13-0322	EA		10' Wide x 7' High Single Gate Galvanized Steel Without Barbed Wire .....	1,593.86	89.58
			For Gate With Single Barb Wire Arm, Add	145.74	
			For Gate With Double Barb Wire Arm, Add	211.98	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-248.42	
			For Aluminized Steel Gate And Post, Add	635.94	
			For Powder Coated Gate And Post, Add	344.47	
			For 1" Mesh Fabric, Add	576.32	
			For 1-1/4" Mesh Fabric, Add	370.97	
			For 1-3/4" Mesh Fabric, Add	230.53	
			For 2-1/8" Mesh Fabric, Deduct	-115.26	
32 31 13 13-0323	EA		10' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire .....	2,008.05	89.58
			For Gate With Single Barb Wire Arm, Add	191.30	
			For Gate With Double Barb Wire Arm, Add	278.25	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-326.08	
			For Aluminized Steel Gate And Post, Add	834.75	
			For Powder Coated Gate And Post, Add	452.16	
			For 1" Mesh Fabric, Add	756.50	
			For 1-1/4" Mesh Fabric, Add	486.94	
			For 1-3/4" Mesh Fabric, Add	302.60	
			For 2-1/8" Mesh Fabric, Deduct	-151.30	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0324	EA	12' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,282.01	115.96
			For Gate With Single Barb Wire Arm, Add	212.71	
			For Gate With Double Barb Wire Arm, Add	309.39	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-362.57	
			For Aluminized Steel Gate And Post, Add	928.18	
			For Powder Coated Gate And Post, Add	502.76	
			For 1" Mesh Fabric, Add	841.16	
			For 1-1/4" Mesh Fabric, Add	541.44	
			For 1-3/4" Mesh Fabric, Add	336.47	
			For 2-1/8" Mesh Fabric, Deduct	-168.23	
32 31 13	13-0325	EA	14' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,631.09	124.95
			For Gate With Single Barb Wire Arm, Add	248.16	
			For Gate With Double Barb Wire Arm, Add	360.96	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-423.00	
			For Aluminized Steel Gate And Post, Add	1,082.88	
			For Powder Coated Gate And Post, Add	586.56	
			For 1" Mesh Fabric, Add	981.36	
			For 1-1/4" Mesh Fabric, Add	631.68	
			For 1-3/4" Mesh Fabric, Add	392.54	
			For 2-1/8" Mesh Fabric, Deduct	-196.27	
32 31 13	13-0326	EA	16' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	2,957.72	135.32
			For Gate With Single Barb Wire Arm, Add	280.65	
			For Gate With Double Barb Wire Arm, Add	408.22	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-478.38	
			For Aluminized Steel Gate And Post, Add	1,224.66	
			For Powder Coated Gate And Post, Add	663.36	
			For 1" Mesh Fabric, Add	1,109.85	
			For 1-1/4" Mesh Fabric, Add	714.38	
			For 1-3/4" Mesh Fabric, Add	443.94	
			For 2-1/8" Mesh Fabric, Deduct	-221.97	
32 31 13	13-0327	EA	18' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,319.18	147.66
			For Gate With Single Barb Wire Arm, Add	316.35	
			For Gate With Double Barb Wire Arm, Add	460.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-539.23	
			For Aluminized Steel Gate And Post, Add	1,380.43	
			For Powder Coated Gate And Post, Add	747.73	
			For 1" Mesh Fabric, Add	1,251.01	
			For 1-1/4" Mesh Fabric, Add	805.25	
			For 1-3/4" Mesh Fabric, Add	500.40	
			For 2-1/8" Mesh Fabric, Deduct	-250.20	
32 31 13	13-0328	EA	20' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	3,682.43	162.43
			For Gate With Single Barb Wire Arm, Add	351.43	
			For Gate With Double Barb Wire Arm, Add	511.17	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-599.03	
			For Aluminized Steel Gate And Post, Add	1,533.51	
			For Powder Coated Gate And Post, Add	830.65	
			For 1" Mesh Fabric, Add	1,389.74	
			For 1-1/4" Mesh Fabric, Add	894.55	
			For 1-3/4" Mesh Fabric, Add	555.90	
			For 2-1/8" Mesh Fabric, Deduct	-277.95	
32 31 13	13-0329	EA	22' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,055.53	180.42
			For Gate With Single Barb Wire Arm, Add	386.51	
			For Gate With Double Barb Wire Arm, Add	562.20	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-658.83	
			For Aluminized Steel Gate And Post, Add	1,686.60	
			For Powder Coated Gate And Post, Add	913.57	
			For 1" Mesh Fabric, Add	1,528.48	
			For 1-1/4" Mesh Fabric, Add	983.85	
			For 1-3/4" Mesh Fabric, Add	611.39	
			For 2-1/8" Mesh Fabric, Deduct	-305.70	
32 31 13	13-0330	EA	24' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,442.18	202.97
			For Gate With Single Barb Wire Arm, Add	421.59	
			For Gate With Double Barb Wire Arm, Add	613.23	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-718.62	
			For Aluminized Steel Gate And Post, Add	1,839.68	
			For Powder Coated Gate And Post, Add	996.49	
			For 1" Mesh Fabric, Add	1,667.21	
			For 1-1/4" Mesh Fabric, Add	1,073.14	
			For 1-3/4" Mesh Fabric, Add	666.88	
			For 2-1/8" Mesh Fabric, Deduct	-333.44	
32 31 13	13-0331	EA	26' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	4,848.17	231.92
			For Gate With Single Barb Wire Arm, Add	456.67	
			For Gate With Double Barb Wire Arm, Add	664.25	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-778.42	
			For Aluminized Steel Gate And Post, Add	1,992.76	
			For Powder Coated Gate And Post, Add	1,079.41	
			For 1" Mesh Fabric, Add	1,805.94	
			For 1-1/4" Mesh Fabric, Add	1,162.44	
			For 1-3/4" Mesh Fabric, Add	722.37	
			For 2-1/8" Mesh Fabric, Deduct	-361.19	
32 31 13	13-0332	EA	28' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,283.20	270.63
			For Gate With Single Barb Wire Arm, Add	491.76	
			For Gate With Double Barb Wire Arm, Add	715.28	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-838.22	
			For Aluminized Steel Gate And Post, Add	2,145.84	
			For Powder Coated Gate And Post, Add	1,162.33	
			For 1" Mesh Fabric, Add	1,944.67	
			For 1-1/4" Mesh Fabric, Add	1,251.74	
			For 1-3/4" Mesh Fabric, Add	777.87	
			For 2-1/8" Mesh Fabric, Deduct	-388.93	



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0333	EA	30' Wide x 7' High Double Gate Galvanized Steel Without Barbed Wire	5,764.66	324.72
		<i>For Gate With Single Barb Wire Arm, Add</i>	526.84	
		<i>For Gate With Double Barb Wire Arm, Add</i>	766.31	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-898.02	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,298.92	
		<i>For Powder Coated Gate And Post, Add</i>	1,245.25	
		<i>For 1" Mesh Fabric, Add</i>	2,083.40	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,341.04	
		<i>For 1-3/4" Mesh Fabric, Add</i>	833.36	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-416.68	
<b>32 31 13 13-0334</b>		<b>8' Fence Height</b> (32 31 13 13-0253)		
32 31 13 13-0335	EA	3' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	607.81	44.79
		<i>For Gate With Single Barb Wire Arm, Add</i>	52.07	
		<i>For Gate With Double Barb Wire Arm, Add</i>	75.73	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-88.75	
		<i>For Aluminized Steel Gate And Post, Add</i>	227.19	
		<i>For Powder Coated Gate And Post, Add</i>	123.06	
		<i>For 1" Mesh Fabric, Add</i>	205.89	
		<i>For 1-1/4" Mesh Fabric, Add</i>	132.53	
		<i>For 1-3/4" Mesh Fabric, Add</i>	82.36	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-41.18	
32 31 13 13-0336	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	765.59	44.79
		<i>For Gate With Single Barb Wire Arm, Add</i>	69.42	
		<i>For Gate With Double Barb Wire Arm, Add</i>	100.98	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-118.33	
		<i>For Aluminized Steel Gate And Post, Add</i>	302.93	
		<i>For Powder Coated Gate And Post, Add</i>	164.09	
		<i>For 1" Mesh Fabric, Add</i>	274.53	
		<i>For 1-1/4" Mesh Fabric, Add</i>	176.71	
		<i>For 1-3/4" Mesh Fabric, Add</i>	109.81	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-54.91	
32 31 13 13-0337	EA	5' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	892.20	49.90
		<i>For Gate With Single Barb Wire Arm, Add</i>	81.65	
		<i>For Gate With Double Barb Wire Arm, Add</i>	118.76	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-139.17	
		<i>For Aluminized Steel Gate And Post, Add</i>	356.28	
		<i>For Powder Coated Gate And Post, Add</i>	192.98	
		<i>For 1" Mesh Fabric, Add</i>	322.87	
		<i>For 1-1/4" Mesh Fabric, Add</i>	207.83	
		<i>For 1-3/4" Mesh Fabric, Add</i>	129.15	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.57	
32 31 13 13-0338	EA	6' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,022.85	56.48
		<i>For Gate With Single Barb Wire Arm, Add</i>	93.87	
		<i>For Gate With Double Barb Wire Arm, Add</i>	136.54	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-160.01	
		<i>For Aluminized Steel Gate And Post, Add</i>	409.63	
		<i>For Powder Coated Gate And Post, Add</i>	221.88	
		<i>For 1" Mesh Fabric, Add</i>	371.23	
		<i>For 1-1/4" Mesh Fabric, Add</i>	238.95	
		<i>For 1-3/4" Mesh Fabric, Add</i>	148.49	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-74.25	
32 31 13 13-0339	EA	7' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,168.97	68.05
		<i>For Gate With Single Barb Wire Arm, Add</i>	106.10	
		<i>For Gate With Double Barb Wire Arm, Add</i>	154.33	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-180.85	
		<i>For Aluminized Steel Gate And Post, Add</i>	462.98	
		<i>For Powder Coated Gate And Post, Add</i>	250.78	
		<i>For 1" Mesh Fabric, Add</i>	419.58	
		<i>For 1-1/4" Mesh Fabric, Add</i>	270.07	
		<i>For 1-3/4" Mesh Fabric, Add</i>	167.83	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-83.92	
32 31 13 13-0340	EA	8' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,313.76	79.21
		<i>For Gate With Single Barb Wire Arm, Add</i>	118.33	
		<i>For Gate With Double Barb Wire Arm, Add</i>	172.11	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-201.70	
		<i>For Aluminized Steel Gate And Post, Add</i>	516.34	
		<i>For Powder Coated Gate And Post, Add</i>	279.68	
		<i>For 1" Mesh Fabric, Add</i>	467.93	
		<i>For 1-1/4" Mesh Fabric, Add</i>	301.20	
		<i>For 1-3/4" Mesh Fabric, Add</i>	187.17	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-93.59	
32 31 13 13-0341	EA	9' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire	1,459.88	90.92
		<i>For Gate With Single Barb Wire Arm, Add</i>	130.55	
		<i>For Gate With Double Barb Wire Arm, Add</i>	189.90	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-222.54	
		<i>For Aluminized Steel Gate And Post, Add</i>	569.69	
		<i>For Powder Coated Gate And Post, Add</i>	308.58	
		<i>For 1" Mesh Fabric, Add</i>	516.28	
		<i>For 1-1/4" Mesh Fabric, Add</i>	332.32	
		<i>For 1-3/4" Mesh Fabric, Add</i>	206.51	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-103.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0342	EA 10' Wide x 8' High Single Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,605.99 142.78 207.68 -243.38 623.05 337.49 564.64 363.45 225.86 -112.93	102.62
32 31	13	13-0343	EA 10' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,295.36 214.18 311.53 -365.07 934.59 506.24 846.97 545.18 338.79 -169.39	115.96
32 31	13	13-0344	EA 12' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,697.07 255.42 371.52 -435.37 1,114.55 603.71 1,010.06 650.15 404.02 -202.01	124.95
32 31	13	13-0345	EA 14' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	3,108.79 297.27 432.39 -506.71 1,297.17 702.63 1,175.56 756.68 470.22 -235.11	135.32
32 31	13	13-0346	EA 16' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	3,537.39 340.35 495.06 -580.14 1,485.17 804.47 1,345.93 866.35 538.37 -269.19	147.66
32 31	13	13-0347	EA 18' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	3,973.38 383.43 557.72 -653.58 1,673.16 906.30 1,516.31 976.01 606.52 -303.26	162.43
32 31	13	13-0348	EA 20' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	4,413.61 425.90 619.49 -725.97 1,858.47 1,006.67 1,684.24 1,084.11 673.70 -336.85	180.42
32 31	13	13-0349	EA 22' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	4,861.81 467.75 680.37 -797.30 2,041.10 1,105.60 1,849.75 1,190.64 739.90 -369.95	202.97
32 31	13	13-0350	EA 24' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	5,340.54 510.83 743.03 -870.74 2,229.10 1,207.43 2,020.12 1,300.31 808.05 -404.02	231.92

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0351	EA 26' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	5,848.31	270.63
	For Gate With Single Barb Wire Arm, Add	553.92	
	For Gate With Double Barb Wire Arm, Add	805.70	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-944.18	
	For Aluminized Steel Gate And Post, Add	2,417.09	
	For Powder Coated Gate And Post, Add	1,309.26	
	For 1" Mesh Fabric, Add	2,190.49	
	For 1-1/4" Mesh Fabric, Add	1,409.97	
	For 1-3/4" Mesh Fabric, Add	876.20	
	For 2-1/8" Mesh Fabric, Deduct	-438.10	
32 31 13 13-0352	EA 28' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	6,396.91	324.72
	For Gate With Single Barb Wire Arm, Add	596.38	
	For Gate With Double Barb Wire Arm, Add	867.47	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,016.56	
	For Aluminized Steel Gate And Post, Add	2,602.40	
	For Powder Coated Gate And Post, Add	1,409.63	
	For 1" Mesh Fabric, Add	2,358.43	
	For 1-1/4" Mesh Fabric, Add	1,518.07	
	For 1-3/4" Mesh Fabric, Add	943.37	
	For 2-1/8" Mesh Fabric, Deduct	-471.69	
32 31 13 13-0353	EA 30' Wide x 8' High Double Gate Galvanized Steel Without Barbed Wire .....	7,026.77	405.94
	For Gate With Single Barb Wire Arm, Add	638.85	
	For Gate With Double Barb Wire Arm, Add	929.24	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-1,088.95	
	For Aluminized Steel Gate And Post, Add	2,787.71	
	For Powder Coated Gate And Post, Add	1,510.01	
	For 1" Mesh Fabric, Add	2,526.36	
	For 1-1/4" Mesh Fabric, Add	1,626.16	
	For 1-3/4" Mesh Fabric, Add	1,010.55	
	For 2-1/8" Mesh Fabric, Deduct	-505.27	
32 31 13 13-0354	10' Fence Height (32 31 13 13-0253)		
32 31 13 13-0355	EA 3' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	761.50	49.76
	For Gate With Single Barb Wire Arm, Add	67.33	
	For Gate With Double Barb Wire Arm, Add	97.93	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-114.76	
	For Aluminized Steel Gate And Post, Add	293.79	
	For Powder Coated Gate And Post, Add	159.14	
	For 1" Mesh Fabric, Add	266.25	
	For 1-1/4" Mesh Fabric, Add	171.38	
	For 1-3/4" Mesh Fabric, Add	106.50	
	For 2-1/8" Mesh Fabric, Deduct	-53.25	
32 31 13 13-0356	EA 4' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	965.52	49.76
	For Gate With Single Barb Wire Arm, Add	89.77	
	For Gate With Double Barb Wire Arm, Add	130.57	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.02	
	For Aluminized Steel Gate And Post, Add	391.72	
	For Powder Coated Gate And Post, Add	212.18	
	For 1" Mesh Fabric, Add	355.00	
	For 1-1/4" Mesh Fabric, Add	228.51	
	For 1-3/4" Mesh Fabric, Add	142.00	
	For 2-1/8" Mesh Fabric, Deduct	-71.00	
32 31 13 13-0357	EA 5' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,115.84	51.91
	For Gate With Single Barb Wire Arm, Add	105.58	
	For Gate With Double Barb Wire Arm, Add	153.57	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-179.97	
	For Aluminized Steel Gate And Post, Add	460.72	
	For Powder Coated Gate And Post, Add	249.56	
	For 1" Mesh Fabric, Add	417.53	
	For 1-1/4" Mesh Fabric, Add	268.76	
	For 1-3/4" Mesh Fabric, Add	167.01	
	For 2-1/8" Mesh Fabric, Deduct	-83.51	
32 31 13 13-0358	EA 6' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,297.24	64.56
	For Gate With Single Barb Wire Arm, Add	121.39	
	For Gate With Double Barb Wire Arm, Add	176.57	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.92	
	For Aluminized Steel Gate And Post, Add	529.72	
	For Powder Coated Gate And Post, Add	286.93	
	For 1" Mesh Fabric, Add	480.06	
	For 1-1/4" Mesh Fabric, Add	309.01	
	For 1-3/4" Mesh Fabric, Add	192.02	
	For 2-1/8" Mesh Fabric, Deduct	-96.01	
32 31 13 13-0359	EA 7' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire .....	1,477.85	76.52
	For Gate With Single Barb Wire Arm, Add	137.20	
	For Gate With Double Barb Wire Arm, Add	199.57	
	For 1-5/8" Schedule 40 Pipe Frame, Deduct	-233.87	
	For Aluminized Steel Gate And Post, Add	598.70	
	For Powder Coated Gate And Post, Add	324.30	
	For 1" Mesh Fabric, Add	542.57	
	For 1-1/4" Mesh Fabric, Add	349.24	
	For 1-3/4" Mesh Fabric, Add	217.03	
	For 2-1/8" Mesh Fabric, Deduct	-108.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0360	EA 8' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,658.66 153.01 222.57 -260.82 667.70 361.67 605.10 389.49 242.04 -121.02	89.17
32 31	13	13-0361	EA 9' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	1,838.73 168.83 245.57 -287.77 736.70 399.05 667.63 429.74 267.05 -133.53	101.27
32 31	13	13-0362	EA 10' Wide x 10' High Single Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,020.14 184.64 268.57 -314.73 805.70 436.42 730.16 469.99 292.07 -146.03	113.78
32 31	13	13-0363	EA 10' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	2,904.77 276.96 402.84 -472.08 1,208.53 654.62 1,095.23 704.98 438.09 -219.05	128.92
32 31	13	13-0364	EA 12' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	3,158.27 301.58 438.66 -514.06 1,315.99 712.83 1,192.62 767.66 477.05 -238.52	138.66
32 31	13	13-0365	EA 14' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	3,595.96 345.89 503.11 -589.59 1,509.34 817.56 1,367.84 880.45 547.14 -273.57	150.39
32 31	13	13-0366	EA 16' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	4,084.41 395.13 574.73 -673.51 1,724.19 933.94 1,562.55 1,005.78 625.02 -312.51	163.96
32 31	13	13-0367	EA 18' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	4,581.47 444.36 646.35 -757.44 1,939.05 1,050.32 1,757.26 1,131.11 702.90 -351.45	180.42
32 31	13	13-0368	EA 20' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire ..... For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add For 1-5/8" Schedule 40 Pipe Frame, Deduct For Aluminized Steel Gate And Post, Add For Powder Coated Gate And Post, Add For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct	5,091.78 493.91 718.41 -841.89 2,155.24 1,167.42 1,953.18 1,257.22 781.27 -390.64	200.38

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0369	EA	22' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	5,617.74	225.53
		<i>For Gate With Single Barb Wire Arm, Add</i>	543.45	
		<i>For Gate With Double Barb Wire Arm, Add</i>	790.48	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-926.34	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,371.44	
		<i>For Powder Coated Gate And Post, Add</i>	1,284.53	
		<i>For 1" Mesh Fabric, Add</i>	2,149.11	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,383.34	
		<i>For 1-3/4" Mesh Fabric, Add</i>	859.65	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-429.82	
32 31 13 13-0370	EA	24' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,161.60	257.52
		<i>For Gate With Single Barb Wire Arm, Add</i>	592.69	
		<i>For Gate With Double Barb Wire Arm, Add</i>	862.10	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,010.27	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,586.29	
		<i>For Powder Coated Gate And Post, Add</i>	1,400.91	
		<i>For 1" Mesh Fabric, Add</i>	2,343.82	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,508.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	937.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-468.76	
32 31 13 13-0371	EA	26' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	6,738.70	300.65
		<i>For Gate With Single Barb Wire Arm, Add</i>	641.93	
		<i>For Gate With Double Barb Wire Arm, Add</i>	933.71	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,094.20	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,801.14	
		<i>For Powder Coated Gate And Post, Add</i>	1,517.28	
		<i>For 1" Mesh Fabric, Add</i>	2,538.53	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,634.00	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,015.41	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-507.71	
32 31 13 13-0372	EA	28' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	7,365.95	360.54
		<i>For Gate With Single Barb Wire Arm, Add</i>	691.17	
		<i>For Gate With Double Barb Wire Arm, Add</i>	1,005.33	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,178.12	
		<i>For Aluminized Steel Gate And Post, Add</i>	3,015.99	
		<i>For Powder Coated Gate And Post, Add</i>	1,633.66	
		<i>For 1" Mesh Fabric, Add</i>	2,733.24	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,759.33	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,093.30	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-546.65	
32 31 13 13-0373	EA	30' Wide x 10' High Double Gate Galvanized Steel Without Barbed Wire	8,091.01	451.04
		<i>For Gate With Single Barb Wire Arm, Add</i>	741.02	
		<i>For Gate With Double Barb Wire Arm, Add</i>	1,077.84	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,263.10	
		<i>For Aluminized Steel Gate And Post, Add</i>	3,233.53	
		<i>For Powder Coated Gate And Post, Add</i>	1,751.50	
		<i>For 1" Mesh Fabric, Add</i>	2,930.39	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,886.23	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,172.15	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-586.08	
32 31 13 13-0374		<b>12' Fence Height</b> (32 31 13 13-0253)		
32 31 13 13-0375	EA	3' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	949.48	55.27
		<i>For Gate With Single Barb Wire Arm, Add</i>	86.18	
		<i>For Gate With Double Barb Wire Arm, Add</i>	125.35	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-146.90	
		<i>For Aluminized Steel Gate And Post, Add</i>	376.06	
		<i>For Powder Coated Gate And Post, Add</i>	203.70	
		<i>For 1" Mesh Fabric, Add</i>	340.80	
		<i>For 1-1/4" Mesh Fabric, Add</i>	219.37	
		<i>For 1-3/4" Mesh Fabric, Add</i>	136.32	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-68.16	
32 31 13 13-0376	EA	4' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,210.62	55.27
		<i>For Gate With Single Barb Wire Arm, Add</i>	114.90	
		<i>For Gate With Double Barb Wire Arm, Add</i>	167.13	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-195.86	
		<i>For Aluminized Steel Gate And Post, Add</i>	501.40	
		<i>For Powder Coated Gate And Post, Add</i>	271.59	
		<i>For 1" Mesh Fabric, Add</i>	454.40	
		<i>For 1-1/4" Mesh Fabric, Add</i>	292.49	
		<i>For 1-3/4" Mesh Fabric, Add</i>	181.76	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-90.88	
32 31 13 13-0377	EA	5' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,400.74	57.29
		<i>For Gate With Single Barb Wire Arm, Add</i>	135.15	
		<i>For Gate With Double Barb Wire Arm, Add</i>	196.58	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-230.36	
		<i>For Aluminized Steel Gate And Post, Add</i>	589.73	
		<i>For Powder Coated Gate And Post, Add</i>	319.44	
		<i>For 1" Mesh Fabric, Add</i>	534.44	
		<i>For 1-1/4" Mesh Fabric, Add</i>	344.01	
		<i>For 1-3/4" Mesh Fabric, Add</i>	213.78	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-106.89	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0378	EA	6' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,626.42	71.14
			For Gate With Single Barb Wire Arm, Add	155.38	
			For Gate With Double Barb Wire Arm, Add	226.01	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-264.86	
			For Aluminized Steel Gate And Post, Add	678.04	
			For Powder Coated Gate And Post, Add	367.27	
			For 1" Mesh Fabric, Add	614.47	
			For 1-1/4" Mesh Fabric, Add	395.52	
			For 1-3/4" Mesh Fabric, Add	245.79	
			For 2-1/8" Mesh Fabric, Deduct	-122.89	
32 31 13	13-0379	EA	7' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	726.90	85.13
			For Gate With Single Barb Wire Arm, Add	51.85	
			For Gate With Double Barb Wire Arm, Add	75.42	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-88.38	
			For Aluminized Steel Gate And Post, Add	226.25	
			For Powder Coated Gate And Post, Add	122.55	
			For 1" Mesh Fabric, Add	205.04	
			For 1-1/4" Mesh Fabric, Add	131.98	
			For 1-3/4" Mesh Fabric, Add	82.02	
			For 2-1/8" Mesh Fabric, Deduct	-41.01	
32 31 13	13-0380	EA	8' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	821.57	98.59
			For Gate With Single Barb Wire Arm, Add	57.82	
			For Gate With Double Barb Wire Arm, Add	84.11	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.57	
			For Aluminized Steel Gate And Post, Add	252.33	
			For Powder Coated Gate And Post, Add	136.68	
			For 1" Mesh Fabric, Add	228.67	
			For 1-1/4" Mesh Fabric, Add	147.19	
			For 1-3/4" Mesh Fabric, Add	91.47	
			For 2-1/8" Mesh Fabric, Deduct	-45.73	
32 31 13	13-0381	EA	9' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	917.57	112.43
			For Gate With Single Barb Wire Arm, Add	63.80	
			For Gate With Double Barb Wire Arm, Add	92.80	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-108.75	
			For Aluminized Steel Gate And Post, Add	278.40	
			For Powder Coated Gate And Post, Add	150.80	
			For 1" Mesh Fabric, Add	252.30	
			For 1-1/4" Mesh Fabric, Add	162.40	
			For 1-3/4" Mesh Fabric, Add	100.92	
			For 2-1/8" Mesh Fabric, Deduct	-50.46	
32 31 13	13-0382	EA	10' Wide x 12' High Single Gate Galvanized Steel Without Barbed Wire	1,013.59	126.28
			For Gate With Single Barb Wire Arm, Add	69.78	
			For Gate With Double Barb Wire Arm, Add	101.49	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-118.94	
			For Aluminized Steel Gate And Post, Add	304.47	
			For Powder Coated Gate And Post, Add	164.92	
			For 1" Mesh Fabric, Add	275.93	
			For 1-1/4" Mesh Fabric, Add	177.61	
			For 1-3/4" Mesh Fabric, Add	110.37	
			For 2-1/8" Mesh Fabric, Deduct	-55.19	
32 31 13	13-0383	EA	10' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,313.78	143.23
			For Gate With Single Barb Wire Arm, Add	97.22	
			For Gate With Double Barb Wire Arm, Add	141.40	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-165.71	
			For Aluminized Steel Gate And Post, Add	424.21	
			For Powder Coated Gate And Post, Add	229.78	
			For 1" Mesh Fabric, Add	384.44	
			For 1-1/4" Mesh Fabric, Add	247.46	
			For 1-3/4" Mesh Fabric, Add	153.78	
			For 2-1/8" Mesh Fabric, Deduct	-76.89	
32 31 13	13-0384	EA	12' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,434.14	154.21
			For Gate With Single Barb Wire Arm, Add	106.85	
			For Gate With Double Barb Wire Arm, Add	155.41	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-182.12	
			For Aluminized Steel Gate And Post, Add	466.24	
			For Powder Coated Gate And Post, Add	252.55	
			For 1" Mesh Fabric, Add	422.53	
			For 1-1/4" Mesh Fabric, Add	271.97	
			For 1-3/4" Mesh Fabric, Add	169.01	
			For 2-1/8" Mesh Fabric, Deduct	-84.51	
32 31 13	13-0385	EA	14' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,615.05	167.00
			For Gate With Single Barb Wire Arm, Add	122.47	
			For Gate With Double Barb Wire Arm, Add	178.14	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-208.76	
			For Aluminized Steel Gate And Post, Add	534.43	
			For Powder Coated Gate And Post, Add	289.48	
			For 1" Mesh Fabric, Add	484.32	
			For 1-1/4" Mesh Fabric, Add	311.75	
			For 1-3/4" Mesh Fabric, Add	193.73	
			For 2-1/8" Mesh Fabric, Deduct	-96.86	
32 31 13	13-0386	EA	16' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	1,819.12	182.09
			For Gate With Single Barb Wire Arm, Add	139.92	
			For Gate With Double Barb Wire Arm, Add	203.52	
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-238.50	
			For Aluminized Steel Gate And Post, Add	610.55	
			For Powder Coated Gate And Post, Add	330.71	
			For 1" Mesh Fabric, Add	553.31	
			For 1-1/4" Mesh Fabric, Add	356.15	
			For 1-3/4" Mesh Fabric, Add	221.32	
			For 2-1/8" Mesh Fabric, Deduct	-110.66	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 13 13-0387	EA	18' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	5,447.07	200.53
		<i>For Gate With Single Barb Wire Arm, Add</i>	532.99	
		<i>For Gate With Double Barb Wire Arm, Add</i>	775.26	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-908.51	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,325.78	
		<i>For Powder Coated Gate And Post, Add</i>	1,259.80	
		<i>For 1" Mesh Fabric, Add</i>	2,107.74	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,356.70	
		<i>For 1-3/4" Mesh Fabric, Add</i>	843.09	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-421.55	
32 31 13 13-0388	EA	20' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,056.43	222.63
		<i>For Gate With Single Barb Wire Arm, Add</i>	592.69	
		<i>For Gate With Double Barb Wire Arm, Add</i>	862.10	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,010.27	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,586.29	
		<i>For Powder Coated Gate And Post, Add</i>	1,400.91	
		<i>For 1" Mesh Fabric, Add</i>	2,343.82	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,508.67	
		<i>For 1-3/4" Mesh Fabric, Add</i>	937.53	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-468.76	
32 31 13 13-0389	EA	22' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	6,677.73	250.51
		<i>For Gate With Single Barb Wire Arm, Add</i>	651.78	
		<i>For Gate With Double Barb Wire Arm, Add</i>	948.04	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,110.98	
		<i>For Aluminized Steel Gate And Post, Add</i>	2,844.11	
		<i>For Powder Coated Gate And Post, Add</i>	1,540.56	
		<i>For 1" Mesh Fabric, Add</i>	2,577.48	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,659.06	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,030.99	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-515.50	
32 31 13 13-0390	EA	24' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	7,327.41	286.17
		<i>For Gate With Single Barb Wire Arm, Add</i>	711.48	
		<i>For Gate With Double Barb Wire Arm, Add</i>	1,034.87	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,212.74	
		<i>For Aluminized Steel Gate And Post, Add</i>	3,104.62	
		<i>For Powder Coated Gate And Post, Add</i>	1,681.67	
		<i>For 1" Mesh Fabric, Add</i>	2,813.56	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,811.03	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,125.43	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-562.71	
32 31 13 13-0391	EA	26' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,002.83	334.17
		<i>For Gate With Single Barb Wire Arm, Add</i>	769.95	
		<i>For Gate With Double Barb Wire Arm, Add</i>	1,119.92	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,312.41	
		<i>For Aluminized Steel Gate And Post, Add</i>	3,359.76	
		<i>For Powder Coated Gate And Post, Add</i>	1,819.87	
		<i>For 1" Mesh Fabric, Add</i>	3,044.78	
		<i>For 1-1/4" Mesh Fabric, Add</i>	1,959.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,217.91	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-608.96	
32 31 13 13-0392	EA	28' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	8,739.55	400.61
		<i>For Gate With Single Barb Wire Arm, Add</i>	829.03	
		<i>For Gate With Double Barb Wire Arm, Add</i>	1,205.86	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,413.12	
		<i>For Aluminized Steel Gate And Post, Add</i>	3,617.58	
		<i>For Powder Coated Gate And Post, Add</i>	1,959.52	
		<i>For 1" Mesh Fabric, Add</i>	3,278.43	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,110.26	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,311.37	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-655.69	
32 31 13 13-0393	EA	30' Wide x 12' High Double Gate Galvanized Steel Without Barbed Wire	9,584.34	501.18
		<i>For Gate With Single Barb Wire Arm, Add</i>	888.73	
		<i>For Gate With Double Barb Wire Arm, Add</i>	1,292.70	
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-1,514.88	
		<i>For Aluminized Steel Gate And Post, Add</i>	3,878.09	
		<i>For Powder Coated Gate And Post, Add</i>	2,100.63	
		<i>For 1" Mesh Fabric, Add</i>	3,514.52	
		<i>For 1-1/4" Mesh Fabric, Add</i>	2,262.22	
		<i>For 1-3/4" Mesh Fabric, Add</i>	1,405.81	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-702.90	

**32 31 13 13-0394 Vinyl Coated Without Barb Wire Arm** (32 31 13 13-0252)

Note: Industrial swing gate. Includes posts (3" diameter posts for up to 6' wide gate, 4" diameter to 13' wide, 6-5/8" diameter for 18' wide, 8-5/8" diameter for over 18' wide), 2" diameter schedule pipe frame, offset hinges, cap and hardware (drop rod, center locking device, gate keeper, catch bolt and tension bands). Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating.

**32 31 13 13-0395 4' Fence Height** (32 31 13 13-0394)

32 31 13 13-0396	EA	3' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm	211.10	33.63
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-20.67	
		<i>For 1" Mesh Fabric, Add</i>	47.95	
		<i>For 1-1/4" Mesh Fabric, Add</i>	30.86	
		<i>For 1-3/4" Mesh Fabric, Add</i>	19.18	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-9.59	
		<i>For Gate With Single Barb Wire Arm, Add</i>	12.13	
		<i>For Gate With Double Barb Wire Arm, Add</i>	17.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	13	13-0397	EA 4' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	247.84	33.63
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-27.56	
			For 1" Mesh Fabric, Add	63.93	
			For 1-1/4" Mesh Fabric, Add	41.15	
			For 1-3/4" Mesh Fabric, Add	25.57	
			For 2-1/8" Mesh Fabric, Deduct	-12.79	
			For Gate With Single Barb Wire Arm, Add	16.17	
			For Gate With Double Barb Wire Arm, Add	23.52	
32 31	13	13-0398	EA 5' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	285.20	35.78
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-33.30	
			For 1" Mesh Fabric, Add	77.26	
			For 1-1/4" Mesh Fabric, Add	49.73	
			For 1-3/4" Mesh Fabric, Add	30.90	
			For 2-1/8" Mesh Fabric, Deduct	-15.45	
			For Gate With Single Barb Wire Arm, Add	19.54	
			For Gate With Double Barb Wire Arm, Add	28.42	
32 31	13	13-0399	EA 6' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	337.32	43.04
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-39.04	
			For 1" Mesh Fabric, Add	90.57	
			For 1-1/4" Mesh Fabric, Add	58.30	
			For 1-3/4" Mesh Fabric, Add	36.23	
			For 2-1/8" Mesh Fabric, Deduct	-18.11	
			For Gate With Single Barb Wire Arm, Add	22.90	
			For Gate With Double Barb Wire Arm, Add	33.31	
32 31	13	13-0400	EA 7' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	389.46	50.16
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-44.78	
			For 1" Mesh Fabric, Add	103.89	
			For 1-1/4" Mesh Fabric, Add	66.87	
			For 1-3/4" Mesh Fabric, Add	41.56	
			For 2-1/8" Mesh Fabric, Deduct	-20.78	
			For Gate With Single Barb Wire Arm, Add	26.27	
			For Gate With Double Barb Wire Arm, Add	38.21	
32 31	13	13-0401	EA 8' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	441.60	57.29
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-50.52	
			For 1" Mesh Fabric, Add	117.22	
			For 1-1/4" Mesh Fabric, Add	75.45	
			For 1-3/4" Mesh Fabric, Add	46.89	
			For 2-1/8" Mesh Fabric, Deduct	-23.44	
			For Gate With Single Barb Wire Arm, Add	29.64	
			For Gate With Double Barb Wire Arm, Add	43.11	
32 31	13	13-0402	EA 9' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	493.74	64.56
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-56.26	
			For 1" Mesh Fabric, Add	130.53	
			For 1-1/4" Mesh Fabric, Add	84.02	
			For 1-3/4" Mesh Fabric, Add	52.21	
			For 2-1/8" Mesh Fabric, Deduct	-26.11	
			For Gate With Single Barb Wire Arm, Add	33.01	
			For Gate With Double Barb Wire Arm, Add	48.01	
32 31	13	13-0403	EA 10' Wide x 4' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	545.87	71.69
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-62.00	
			For 1" Mesh Fabric, Add	143.85	
			For 1-1/4" Mesh Fabric, Add	92.59	
			For 1-3/4" Mesh Fabric, Add	57.54	
			For 2-1/8" Mesh Fabric, Deduct	-28.77	
			For Gate With Single Barb Wire Arm, Add	36.38	
			For Gate With Double Barb Wire Arm, Add	52.91	
32 31	13	13-0404	EA 10' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	656.10	71.69
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-82.67	
			For 1" Mesh Fabric, Add	191.80	
			For 1-1/4" Mesh Fabric, Add	123.46	
			For 1-3/4" Mesh Fabric, Add	76.72	
			For 2-1/8" Mesh Fabric, Deduct	-38.36	
			For Gate With Single Barb Wire Arm, Add	48.50	
			For Gate With Double Barb Wire Arm, Add	70.55	
32 31	13	13-0405	EA 12' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	759.66	76.80
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-99.21	
			For 1" Mesh Fabric, Add	230.16	
			For 1-1/4" Mesh Fabric, Add	148.15	
			For 1-3/4" Mesh Fabric, Add	92.06	
			For 2-1/8" Mesh Fabric, Deduct	-46.03	
			For Gate With Single Barb Wire Arm, Add	58.20	
			For Gate With Double Barb Wire Arm, Add	84.66	
32 31	13	13-0406	EA 14' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	865.58	82.72
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-115.74	
			For 1" Mesh Fabric, Add	268.52	
			For 1-1/4" Mesh Fabric, Add	172.84	
			For 1-3/4" Mesh Fabric, Add	107.41	
			For 2-1/8" Mesh Fabric, Deduct	-53.70	
			For Gate With Single Barb Wire Arm, Add	67.90	
			For Gate With Double Barb Wire Arm, Add	98.77	
32 31	13	13-0407	EA 16' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	974.45	89.58
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-132.28	
			For 1" Mesh Fabric, Add	306.88	
			For 1-1/4" Mesh Fabric, Add	197.53	
			For 1-3/4" Mesh Fabric, Add	122.75	
			For 2-1/8" Mesh Fabric, Deduct	-61.38	
			For Gate With Single Barb Wire Arm, Add	77.60	
			For Gate With Double Barb Wire Arm, Add	112.88	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0408	EA	18' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,118.73	108.19
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-148.81	
		<i>For 1" Mesh Fabric, Add</i>	345.24	
		<i>For 1-1/4" Mesh Fabric, Add</i>	222.22	
		<i>For 1-3/4" Mesh Fabric, Add</i>	138.10	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-69.05	
		<i>For Gate With Single Barb Wire Arm, Add</i>	87.30	
		<i>For Gate With Double Barb Wire Arm, Add</i>	126.98	
32 31 13 13-0409	EA	20' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,230.14	115.96
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-165.35	
		<i>For 1" Mesh Fabric, Add</i>	363.60	
		<i>For 1-1/4" Mesh Fabric, Add</i>	246.92	
		<i>For 1-3/4" Mesh Fabric, Add</i>	153.44	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-76.72	
		<i>For Gate With Single Barb Wire Arm, Add</i>	97.00	
		<i>For Gate With Double Barb Wire Arm, Add</i>	141.09	
32 31 13 13-0410	EA	22' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,345.12	124.95
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-181.88	
		<i>For 1" Mesh Fabric, Add</i>	421.96	
		<i>For 1-1/4" Mesh Fabric, Add</i>	271.61	
		<i>For 1-3/4" Mesh Fabric, Add</i>	168.78	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-84.39	
		<i>For Gate With Single Barb Wire Arm, Add</i>	106.70	
		<i>For Gate With Double Barb Wire Arm, Add</i>	155.20	
32 31 13 13-0411	EA	24' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,464.55	135.32
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-198.41	
		<i>For 1" Mesh Fabric, Add</i>	460.32	
		<i>For 1-1/4" Mesh Fabric, Add</i>	296.30	
		<i>For 1-3/4" Mesh Fabric, Add</i>	184.13	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-92.06	
		<i>For Gate With Single Barb Wire Arm, Add</i>	116.40	
		<i>For Gate With Double Barb Wire Arm, Add</i>	169.31	
32 31 13 13-0412	EA	26' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,589.68	147.66
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-214.95	
		<i>For 1" Mesh Fabric, Add</i>	498.68	
		<i>For 1-1/4" Mesh Fabric, Add</i>	320.99	
		<i>For 1-3/4" Mesh Fabric, Add</i>	199.47	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-99.74	
		<i>For Gate With Single Barb Wire Arm, Add</i>	126.10	
		<i>For Gate With Double Barb Wire Arm, Add</i>	183.42	
32 31 13 13-0413	EA	28' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,722.19	162.43
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-231.48	
		<i>For 1" Mesh Fabric, Add</i>	537.04	
		<i>For 1-1/4" Mesh Fabric, Add</i>	345.68	
		<i>For 1-3/4" Mesh Fabric, Add</i>	214.82	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-107.41	
		<i>For Gate With Single Barb Wire Arm, Add</i>	135.80	
		<i>For Gate With Double Barb Wire Arm, Add</i>	197.53	
32 31 13 13-0414	EA	30' Wide x 4' High Double Gate Vinyl Coated Without Barbed Wire Arm	1,864.55	180.42
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-248.02	
		<i>For 1" Mesh Fabric, Add</i>	575.40	
		<i>For 1-1/4" Mesh Fabric, Add</i>	370.37	
		<i>For 1-3/4" Mesh Fabric, Add</i>	230.16	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-115.08	
		<i>For Gate With Single Barb Wire Arm, Add</i>	145.50	
		<i>For Gate With Double Barb Wire Arm, Add</i>	211.64	
<b>32 31 13 13-0415</b>		<b>5' Fence Height</b> <small>(32 31 13 13-0394)</small>		
32 31 13 13-0416	EA	3' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	244.19	35.78
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-25.61	
		<i>For 1" Mesh Fabric, Add</i>	59.42	
		<i>For 1-1/4" Mesh Fabric, Add</i>	38.25	
		<i>For 1-3/4" Mesh Fabric, Add</i>	23.77	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-11.88	
		<i>For Gate With Single Barb Wire Arm, Add</i>	15.02	
		<i>For Gate With Double Barb Wire Arm, Add</i>	21.85	
32 31 13 13-0417	EA	4' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	289.72	35.78
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-34.15	
		<i>For 1" Mesh Fabric, Add</i>	79.22	
		<i>For 1-1/4" Mesh Fabric, Add</i>	50.99	
		<i>For 1-3/4" Mesh Fabric, Add</i>	31.69	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-15.84	
		<i>For Gate With Single Barb Wire Arm, Add</i>	20.03	
		<i>For Gate With Double Barb Wire Arm, Add</i>	29.14	
32 31 13 13-0418	EA	5' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	330.59	38.06
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-40.55	
		<i>For 1" Mesh Fabric, Add</i>	94.08	
		<i>For 1-1/4" Mesh Fabric, Add</i>	60.56	
		<i>For 1-3/4" Mesh Fabric, Add</i>	37.63	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-18.82	
		<i>For Gate With Single Barb Wire Arm, Add</i>	23.79	
		<i>For Gate With Double Barb Wire Arm, Add</i>	34.60	
32 31 13 13-0419	EA	6' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm	387.59	45.73
		<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-46.95	
		<i>For 1" Mesh Fabric, Add</i>	108.93	
		<i>For 1-1/4" Mesh Fabric, Add</i>	70.12	
		<i>For 1-3/4" Mesh Fabric, Add</i>	43.57	
		<i>For 2-1/8" Mesh Fabric, Deduct</i>	-21.79	
		<i>For Gate With Single Barb Wire Arm, Add</i>	27.55	
		<i>For Gate With Double Barb Wire Arm, Add</i>	40.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0420	EA		7' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	444.61	53.26
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-53.36	
			For 1" Mesh Fabric, Add	123.79	
			For 1-1/4" Mesh Fabric, Add	79.68	
			For 1-3/4" Mesh Fabric, Add	49.52	
			For 2-1/8" Mesh Fabric, Deduct	-24.76	
			For Gate With Single Barb Wire Arm, Add	31.30	
			For Gate With Double Barb Wire Arm, Add	45.53	
32 31 13 13-0421	EA		8' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	502.96	61.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-59.76	
			For 1" Mesh Fabric, Add	138.64	
			For 1-1/4" Mesh Fabric, Add	89.24	
			For 1-3/4" Mesh Fabric, Add	55.46	
			For 2-1/8" Mesh Fabric, Deduct	-27.73	
			For Gate With Single Barb Wire Arm, Add	35.06	
			For Gate With Double Barb Wire Arm, Add	50.99	
32 31 13 13-0422	EA		9' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm .....	559.97	68.99
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-66.16	
			For 1" Mesh Fabric, Add	153.49	
			For 1-1/4" Mesh Fabric, Add	98.80	
			For 1-3/4" Mesh Fabric, Add	61.40	
			For 2-1/8" Mesh Fabric, Deduct	-30.70	
			For Gate With Single Barb Wire Arm, Add	38.81	
			For Gate With Double Barb Wire Arm, Add	56.46	
32 31 13 13-0423	EA		10' Wide x 5' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	616.98	76.52
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-72.56	
			For 1" Mesh Fabric, Add	168.35	
			For 1-1/4" Mesh Fabric, Add	108.36	
			For 1-3/4" Mesh Fabric, Add	67.34	
			For 2-1/8" Mesh Fabric, Deduct	-33.67	
			For Gate With Single Barb Wire Arm, Add	42.57	
			For Gate With Double Barb Wire Arm, Add	61.92	
32 31 13 13-0424	EA		10' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	776.92	76.80
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-102.44	
			For 1" Mesh Fabric, Add	237.67	
			For 1-1/4" Mesh Fabric, Add	152.98	
			For 1-3/4" Mesh Fabric, Add	95.07	
			For 2-1/8" Mesh Fabric, Deduct	-47.53	
			For Gate With Single Barb Wire Arm, Add	60.10	
			For Gate With Double Barb Wire Arm, Add	87.42	
32 31 13 13-0425	EA		12' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	903.92	82.72
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-122.93	
			For 1" Mesh Fabric, Add	285.20	
			For 1-1/4" Mesh Fabric, Add	183.58	
			For 1-3/4" Mesh Fabric, Add	114.08	
			For 2-1/8" Mesh Fabric, Deduct	-57.04	
			For Gate With Single Barb Wire Arm, Add	72.12	
			For Gate With Double Barb Wire Arm, Add	104.90	
32 31 13 13-0426	EA		14' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,033.88	89.58
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-143.42	
			For 1" Mesh Fabric, Add	332.73	
			For 1-1/4" Mesh Fabric, Add	214.17	
			For 1-3/4" Mesh Fabric, Add	133.09	
			For 2-1/8" Mesh Fabric, Deduct	-66.55	
			For Gate With Single Barb Wire Arm, Add	84.14	
			For Gate With Double Barb Wire Arm, Add	122.38	
32 31 13 13-0427	EA		16' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,199.25	108.19
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-163.91	
			For 1" Mesh Fabric, Add	380.26	
			For 1-1/4" Mesh Fabric, Add	244.77	
			For 1-3/4" Mesh Fabric, Add	152.11	
			For 2-1/8" Mesh Fabric, Deduct	-76.05	
			For Gate With Single Barb Wire Arm, Add	96.16	
			For Gate With Double Barb Wire Arm, Add	139.87	
32 31 13 13-0428	EA		18' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,331.74	115.96
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-184.40	
			For 1" Mesh Fabric, Add	427.80	
			For 1-1/4" Mesh Fabric, Add	275.36	
			For 1-3/4" Mesh Fabric, Add	171.12	
			For 2-1/8" Mesh Fabric, Deduct	-85.56	
			For Gate With Single Barb Wire Arm, Add	108.18	
			For Gate With Double Barb Wire Arm, Add	157.35	
32 31 13 13-0429	EA		20' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,467.81	124.95
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-204.88	
			For 1" Mesh Fabric, Add	475.33	
			For 1-1/4" Mesh Fabric, Add	305.96	
			For 1-3/4" Mesh Fabric, Add	190.13	
			For 2-1/8" Mesh Fabric, Deduct	-95.07	
			For Gate With Single Barb Wire Arm, Add	120.20	
			For Gate With Double Barb Wire Arm, Add	174.83	
32 31 13 13-0430	EA		22' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,608.34	135.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-225.37	
			For 1" Mesh Fabric, Add	522.87	
			For 1-1/4" Mesh Fabric, Add	336.56	
			For 1-3/4" Mesh Fabric, Add	209.15	
			For 2-1/8" Mesh Fabric, Deduct	-104.57	
			For Gate With Single Barb Wire Arm, Add	132.22	
			For Gate With Double Barb Wire Arm, Add	192.32	



**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0431	EA		24' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,754.55 -245.86 570.40 367.15 228.16 -114.08 144.24 209.80	147.66
32 31 13 13-0432	EA		26' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	1,908.15 -266.35 617.93 397.75 247.17 -123.59 156.26 227.28	162.43
32 31 13 13-0433	EA		28' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,071.59 -286.84 665.46 428.34 266.19 -133.09 168.28 244.77	180.42
32 31 13 13-0434	EA		30' Wide x 5' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	2,248.59 -307.33 713.00 458.94 285.20 -142.60 180.30 262.25	202.97
<b>32 31 13 13-0435</b>			<b>6' Fence Height</b> <small>(32 31 13 13-0394)</small>		
32 31 13 13-0436	EA		3' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	261.24 -27.37 63.50 40.87 25.40 -12.70 16.06 23.36	38.33
32 31 13 13-0437	EA		4' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	309.90 -36.49 84.66 54.50 33.87 -16.93 21.41 31.14	38.33
32 31 13 13-0438	EA		5' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	353.51 -43.34 100.54 64.72 40.22 -20.11 25.42 36.98	40.75
32 31 13 13-0439	EA		6' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	415.56 -50.18 116.41 74.93 46.57 -23.28 29.44 42.82	49.22
32 31 13 13-0440	EA		7' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	477.61 -57.02 132.29 85.15 52.92 -26.46 33.45 48.66	57.83
32 31 13 13-0441	EA		8' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	538.31 -63.86 148.17 95.37 59.27 -29.63 37.47 54.50	65.90
32 31 13 13-0442	EA		9' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... <i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i> <i>For 1" Mesh Fabric, Add</i> <i>For 1-1/4" Mesh Fabric, Add</i> <i>For 1-3/4" Mesh Fabric, Add</i> <i>For 2-1/8" Mesh Fabric, Deduct</i> <i>For Gate With Single Barb Wire Arm, Add</i> <i>For Gate With Double Barb Wire Arm, Add</i>	600.37 -70.71 164.04 105.59 65.62 -32.81 41.48 60.34	74.37

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0443	EA		10' Wide x 6' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	662.41	82.85
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.55	
			For 1" Mesh Fabric, Add	179.92	
			For 1-1/4" Mesh Fabric, Add	115.81	
			For 1-3/4" Mesh Fabric, Add	71.97	
			For 2-1/8" Mesh Fabric, Deduct	-35.98	
			For Gate With Single Barb Wire Arm, Add	45.50	
			For Gate With Double Barb Wire Arm, Add	66.18	
32 31 13 13-0444	EA		10' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	832.19	82.72
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-109.48	
			For 1" Mesh Fabric, Add	254.00	
			For 1-1/4" Mesh Fabric, Add	163.49	
			For 1-3/4" Mesh Fabric, Add	101.60	
			For 2-1/8" Mesh Fabric, Deduct	-50.80	
			For Gate With Single Barb Wire Arm, Add	64.23	
			For Gate With Double Barb Wire Arm, Add	93.42	
32 31 13 13-0445	EA		12' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	969.66	89.58
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-131.38	
			For 1" Mesh Fabric, Add	304.80	
			For 1-1/4" Mesh Fabric, Add	196.19	
			For 1-3/4" Mesh Fabric, Add	121.92	
			For 2-1/8" Mesh Fabric, Deduct	-60.96	
			For Gate With Single Barb Wire Arm, Add	77.07	
			For Gate With Double Barb Wire Arm, Add	112.11	
32 31 13 13-0446	EA		14' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,165.76	115.96
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-153.27	
			For 1" Mesh Fabric, Add	355.60	
			For 1-1/4" Mesh Fabric, Add	228.89	
			For 1-3/4" Mesh Fabric, Add	142.24	
			For 2-1/8" Mesh Fabric, Deduct	-71.12	
			For Gate With Single Barb Wire Arm, Add	89.92	
			For Gate With Double Barb Wire Arm, Add	130.79	
32 31 13 13-0447	EA		16' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,309.34	124.95
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-175.17	
			For 1" Mesh Fabric, Add	406.39	
			For 1-1/4" Mesh Fabric, Add	261.59	
			For 1-3/4" Mesh Fabric, Add	162.56	
			For 2-1/8" Mesh Fabric, Deduct	-81.28	
			For Gate With Single Barb Wire Arm, Add	102.77	
			For Gate With Double Barb Wire Arm, Add	149.48	
32 31 13 13-0448	EA		18' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,457.37	135.32
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-197.07	
			For 1" Mesh Fabric, Add	457.19	
			For 1-1/4" Mesh Fabric, Add	294.29	
			For 1-3/4" Mesh Fabric, Add	182.88	
			For 2-1/8" Mesh Fabric, Deduct	-91.44	
			For Gate With Single Barb Wire Arm, Add	115.61	
			For Gate With Double Barb Wire Arm, Add	168.16	
32 31 13 13-0449	EA		20' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,632.67	147.66
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-223.01	
			For 1" Mesh Fabric, Add	517.38	
			For 1-1/4" Mesh Fabric, Add	333.03	
			For 1-3/4" Mesh Fabric, Add	206.95	
			For 2-1/8" Mesh Fabric, Deduct	-103.48	
			For Gate With Single Barb Wire Arm, Add	130.83	
			For Gate With Double Barb Wire Arm, Add	190.30	
32 31 13 13-0450	EA		22' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,776.12	162.43
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-241.59	
			For 1" Mesh Fabric, Add	560.50	
			For 1-1/4" Mesh Fabric, Add	360.78	
			For 1-3/4" Mesh Fabric, Add	224.20	
			For 2-1/8" Mesh Fabric, Deduct	-112.10	
			For Gate With Single Barb Wire Arm, Add	141.74	
			For Gate With Double Barb Wire Arm, Add	206.16	
32 31 13 13-0451	EA		24' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,943.15	180.42
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-262.76	
			For 1" Mesh Fabric, Add	609.59	
			For 1-1/4" Mesh Fabric, Add	392.38	
			For 1-3/4" Mesh Fabric, Add	243.84	
			For 2-1/8" Mesh Fabric, Deduct	-121.92	
			For Gate With Single Barb Wire Arm, Add	154.15	
			For Gate With Double Barb Wire Arm, Add	224.22	
32 31 13 13-0452	EA		26' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,127.66	202.97
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-284.65	
			For 1" Mesh Fabric, Add	660.39	
			For 1-1/4" Mesh Fabric, Add	425.08	
			For 1-3/4" Mesh Fabric, Add	264.16	
			For 2-1/8" Mesh Fabric, Deduct	-132.08	
			For Gate With Single Barb Wire Arm, Add	167.00	
			For Gate With Double Barb Wire Arm, Add	242.90	
32 31 13 13-0453	EA		28' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,331.51	231.92
			For 1-5/8" Schedule 40 Pipe Frame, Deduct	-306.55	
			For 1" Mesh Fabric, Add	711.19	
			For 1-1/4" Mesh Fabric, Add	457.78	
			For 1-3/4" Mesh Fabric, Add	284.48	
			For 2-1/8" Mesh Fabric, Deduct	-142.24	
			For Gate With Single Barb Wire Arm, Add	179.84	
			For Gate With Double Barb Wire Arm, Add	261.59	

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0454	EA		30' Wide x 6' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,564.40	270.63
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-328.44	
			<i>For 1" Mesh Fabric, Add</i>	761.99	
			<i>For 1-1/4" Mesh Fabric, Add</i>	490.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	304.80	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-152.40	
			<i>For Gate With Single Barb Wire Arm, Add</i>	192.69	
			<i>For Gate With Double Barb Wire Arm, Add</i>	280.27	
<b>32 31 13 13-0455</b>			<b>7' Fence Height</b> <small>(32 31 13 13-0394)</small>		
32 31 13 13-0456	EA		3' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	277.46	41.29
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-28.75	
			<i>For 1" Mesh Fabric, Add</i>	66.69	
			<i>For 1-1/4" Mesh Fabric, Add</i>	42.93	
			<i>For 1-3/4" Mesh Fabric, Add</i>	26.68	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-13.34	
			<i>For Gate With Single Barb Wire Arm, Add</i>	16.87	
			<i>For Gate With Double Barb Wire Arm, Add</i>	24.53	
32 31 13 13-0457	EA		4' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	328.57	41.29
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-38.33	
			<i>For 1" Mesh Fabric, Add</i>	88.93	
			<i>For 1-1/4" Mesh Fabric, Add</i>	57.24	
			<i>For 1-3/4" Mesh Fabric, Add</i>	35.57	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-17.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	22.49	
			<i>For Gate With Double Barb Wire Arm, Add</i>	32.71	
32 31 13 13-0458	EA		5' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	373.23	43.44
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-45.52	
			<i>For 1" Mesh Fabric, Add</i>	105.61	
			<i>For 1-1/4" Mesh Fabric, Add</i>	67.98	
			<i>For 1-3/4" Mesh Fabric, Add</i>	42.24	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-21.12	
			<i>For Gate With Single Barb Wire Arm, Add</i>	26.71	
			<i>For Gate With Double Barb Wire Arm, Add</i>	38.84	
32 31 13 13-0459	EA		6' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	439.80	52.86
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-52.71	
			<i>For 1" Mesh Fabric, Add</i>	122.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	78.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	48.91	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-24.46	
			<i>For Gate With Single Barb Wire Arm, Add</i>	30.92	
			<i>For Gate With Double Barb Wire Arm, Add</i>	44.98	
32 31 13 13-0460	EA		7' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	505.03	61.87
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-59.90	
			<i>For 1" Mesh Fabric, Add</i>	138.96	
			<i>For 1-1/4" Mesh Fabric, Add</i>	89.44	
			<i>For 1-3/4" Mesh Fabric, Add</i>	55.58	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-27.79	
			<i>For Gate With Single Barb Wire Arm, Add</i>	35.14	
			<i>For Gate With Double Barb Wire Arm, Add</i>	51.11	
32 31 13 13-0461	EA		8' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	571.62	71.14
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-67.08	
			<i>For 1" Mesh Fabric, Add</i>	155.63	
			<i>For 1-1/4" Mesh Fabric, Add</i>	100.18	
			<i>For 1-3/4" Mesh Fabric, Add</i>	62.25	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-31.13	
			<i>For Gate With Single Barb Wire Arm, Add</i>	39.36	
			<i>For Gate With Double Barb Wire Arm, Add</i>	57.24	
32 31 13 13-0462	EA		9' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	636.84	80.16
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-74.27	
			<i>For 1" Mesh Fabric, Add</i>	172.30	
			<i>For 1-1/4" Mesh Fabric, Add</i>	110.91	
			<i>For 1-3/4" Mesh Fabric, Add</i>	68.92	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-34.46	
			<i>For Gate With Single Barb Wire Arm, Add</i>	43.57	
			<i>For Gate With Double Barb Wire Arm, Add</i>	63.38	
32 31 13 13-0463	EA		10' Wide x 7' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	703.42	89.58
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-81.46	
			<i>For 1" Mesh Fabric, Add</i>	188.98	
			<i>For 1-1/4" Mesh Fabric, Add</i>	121.64	
			<i>For 1-3/4" Mesh Fabric, Add</i>	75.59	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-37.80	
			<i>For Gate With Single Barb Wire Arm, Add</i>	47.79	
			<i>For Gate With Double Barb Wire Arm, Add</i>	69.51	
32 31 13 13-0464	EA		10' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	882.30	89.58
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-115.00	
			<i>For 1" Mesh Fabric, Add</i>	266.79	
			<i>For 1-1/4" Mesh Fabric, Add</i>	171.73	
			<i>For 1-3/4" Mesh Fabric, Add</i>	106.72	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-53.36	
			<i>For Gate With Single Barb Wire Arm, Add</i>	67.47	
			<i>For Gate With Double Barb Wire Arm, Add</i>	98.13	
32 31 13 13-0465	EA		12' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,084.26	115.96
			<i>For 1-5/8" Schedule 40 Pipe Frame, Deduct</i>	-137.99	
			<i>For 1" Mesh Fabric, Add</i>	320.14	
			<i>For 1-1/4" Mesh Fabric, Add</i>	206.07	
			<i>For 1-3/4" Mesh Fabric, Add</i>	128.06	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-64.03	
			<i>For Gate With Single Barb Wire Arm, Add</i>	80.96	
			<i>For Gate With Double Barb Wire Arm, Add</i>	117.75	

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0466	EA	14' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,233.74	124.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.00	
		For 1" Mesh Fabric, Add	373.51	
		For 1-1/4" Mesh Fabric, Add	240.42	
		For 1-3/4" Mesh Fabric, Add	149.40	
		For 2-1/8" Mesh Fabric, Deduct	-74.70	
		For Gate With Single Barb Wire Arm, Add	94.45	
		For Gate With Double Barb Wire Arm, Add	137.38	
32 31 13 13-0467	EA	16' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,387.63	135.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-183.99	
		For 1" Mesh Fabric, Add	426.86	
		For 1-1/4" Mesh Fabric, Add	274.76	
		For 1-3/4" Mesh Fabric, Add	170.74	
		For 2-1/8" Mesh Fabric, Deduct	-85.37	
		For Gate With Single Barb Wire Arm, Add	107.94	
		For Gate With Double Barb Wire Arm, Add	157.00	
32 31 13 13-0468	EA	18' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,547.25	147.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-206.99	
		For 1" Mesh Fabric, Add	480.22	
		For 1-1/4" Mesh Fabric, Add	309.11	
		For 1-3/4" Mesh Fabric, Add	192.09	
		For 2-1/8" Mesh Fabric, Deduct	-96.04	
		For Gate With Single Barb Wire Arm, Add	121.44	
		For Gate With Double Barb Wire Arm, Add	176.63	
32 31 13 13-0469	EA	20' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,714.22	162.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-229.99	
		For 1" Mesh Fabric, Add	533.57	
		For 1-1/4" Mesh Fabric, Add	343.45	
		For 1-3/4" Mesh Fabric, Add	213.43	
		For 2-1/8" Mesh Fabric, Deduct	-106.71	
		For Gate With Single Barb Wire Arm, Add	134.93	
		For Gate With Double Barb Wire Arm, Add	196.26	
32 31 13 13-0470	EA	22' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	1,891.04	180.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-252.98	
		For 1" Mesh Fabric, Add	586.92	
		For 1-1/4" Mesh Fabric, Add	377.79	
		For 1-3/4" Mesh Fabric, Add	234.77	
		For 2-1/8" Mesh Fabric, Deduct	-117.38	
		For Gate With Single Barb Wire Arm, Add	148.42	
		For Gate With Double Barb Wire Arm, Add	215.88	
32 31 13 13-0471	EA	24' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,081.44	202.97
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-275.99	
		For 1" Mesh Fabric, Add	640.29	
		For 1-1/4" Mesh Fabric, Add	412.14	
		For 1-3/4" Mesh Fabric, Add	256.11	
		For 2-1/8" Mesh Fabric, Deduct	-128.06	
		For Gate With Single Barb Wire Arm, Add	161.91	
		For Gate With Double Barb Wire Arm, Add	235.51	
32 31 13 13-0472	EA	26' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,291.19	231.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-298.99	
		For 1" Mesh Fabric, Add	693.65	
		For 1-1/4" Mesh Fabric, Add	446.49	
		For 1-3/4" Mesh Fabric, Add	277.46	
		For 2-1/8" Mesh Fabric, Deduct	-138.73	
		For Gate With Single Barb Wire Arm, Add	175.41	
		For Gate With Double Barb Wire Arm, Add	255.14	
32 31 13 13-0473	EA	28' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,529.95	270.63
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-321.98	
		For 1" Mesh Fabric, Add	747.00	
		For 1-1/4" Mesh Fabric, Add	480.83	
		For 1-3/4" Mesh Fabric, Add	298.80	
		For 2-1/8" Mesh Fabric, Deduct	-149.40	
		For Gate With Single Barb Wire Arm, Add	188.90	
		For Gate With Double Barb Wire Arm, Add	274.76	
32 31 13 13-0474	EA	30' Wide x 7' High Double Gate Vinyl Coated Without Barbed Wire Arm .....	2,815.16	324.72
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-344.99	
		For 1" Mesh Fabric, Add	800.37	
		For 1-1/4" Mesh Fabric, Add	515.18	
		For 1-3/4" Mesh Fabric, Add	320.15	
		For 2-1/8" Mesh Fabric, Deduct	-160.07	
		For Gate With Single Barb Wire Arm, Add	202.39	
		For Gate With Double Barb Wire Arm, Add	294.39	
<b>32 31 13 13-0475</b>		<b>8' Fence Height</b> <sup>(32 31 13 13-0394)</sup>		
32 31 13 13-0476	EA	3' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	320.33	44.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-34.85	
		For 1" Mesh Fabric, Add	80.84	
		For 1-1/4" Mesh Fabric, Add	52.04	
		For 1-3/4" Mesh Fabric, Add	32.34	
		For 2-1/8" Mesh Fabric, Deduct	-16.17	
		For Gate With Single Barb Wire Arm, Add	20.44	
		For Gate With Double Barb Wire Arm, Add	29.73	
32 31 13 13-0477	EA	4' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	382.28	44.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-46.46	
		For 1" Mesh Fabric, Add	107.79	
		For 1-1/4" Mesh Fabric, Add	69.38	
		For 1-3/4" Mesh Fabric, Add	43.12	
		For 2-1/8" Mesh Fabric, Deduct	-21.56	
		For Gate With Single Barb Wire Arm, Add	27.26	
		For Gate With Double Barb Wire Arm, Add	39.65	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0478	EA	5' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	423.58	44.79
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-54.20	
		For 1" Mesh Fabric, Add	125.75	
		For 1-1/4" Mesh Fabric, Add	80.95	
		For 1-3/4" Mesh Fabric, Add	50.30	
		For 2-1/8" Mesh Fabric, Deduct	-25.15	
		For Gate With Single Barb Wire Arm, Add	31.80	
		For Gate With Double Barb Wire Arm, Add	46.25	
32 31 13 13-0479	EA	6' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	499.83	56.48
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-61.95	
		For 1" Mesh Fabric, Add	143.72	
		For 1-1/4" Mesh Fabric, Add	92.51	
		For 1-3/4" Mesh Fabric, Add	57.49	
		For 2-1/8" Mesh Fabric, Deduct	-28.74	
		For Gate With Single Barb Wire Arm, Add	36.34	
		For Gate With Double Barb Wire Arm, Add	52.86	
32 31 13 13-0480	EA	7' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	576.10	68.05
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-69.69	
		For 1" Mesh Fabric, Add	161.68	
		For 1-1/4" Mesh Fabric, Add	104.07	
		For 1-3/4" Mesh Fabric, Add	64.67	
		For 2-1/8" Mesh Fabric, Deduct	-32.34	
		For Gate With Single Barb Wire Arm, Add	40.88	
		For Gate With Double Barb Wire Arm, Add	59.47	
32 31 13 13-0481	EA	8' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	651.03	79.21
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-77.43	
		For 1" Mesh Fabric, Add	179.65	
		For 1-1/4" Mesh Fabric, Add	115.63	
		For 1-3/4" Mesh Fabric, Add	71.86	
		For 2-1/8" Mesh Fabric, Deduct	-35.93	
		For Gate With Single Barb Wire Arm, Add	45.43	
		For Gate With Double Barb Wire Arm, Add	66.08	
32 31 13 13-0482	EA	9' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	727.30	90.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-85.18	
		For 1" Mesh Fabric, Add	197.61	
		For 1-1/4" Mesh Fabric, Add	127.20	
		For 1-3/4" Mesh Fabric, Add	79.04	
		For 2-1/8" Mesh Fabric, Deduct	-39.52	
		For Gate With Single Barb Wire Arm, Add	49.97	
		For Gate With Double Barb Wire Arm, Add	72.68	
32 31 13 13-0483	EA	10' Wide x 8' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	803.55	102.62
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-92.92	
		For 1" Mesh Fabric, Add	215.58	
		For 1-1/4" Mesh Fabric, Add	138.76	
		For 1-3/4" Mesh Fabric, Add	86.23	
		For 2-1/8" Mesh Fabric, Deduct	-43.12	
		For Gate With Single Barb Wire Arm, Add	54.51	
		For Gate With Double Barb Wire Arm, Add	79.29	
32 31 13 13-0484	EA	10' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,091.65	115.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-139.38	
		For 1" Mesh Fabric, Add	323.36	
		For 1-1/4" Mesh Fabric, Add	208.14	
		For 1-3/4" Mesh Fabric, Add	129.34	
		For 2-1/8" Mesh Fabric, Deduct	-64.67	
		For Gate With Single Barb Wire Arm, Add	81.77	
		For Gate With Double Barb Wire Arm, Add	118.94	
32 31 13 13-0485	EA	12' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,267.13	124.95
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-167.26	
		For 1" Mesh Fabric, Add	388.03	
		For 1-1/4" Mesh Fabric, Add	249.77	
		For 1-3/4" Mesh Fabric, Add	155.21	
		For 2-1/8" Mesh Fabric, Deduct	-77.61	
		For Gate With Single Barb Wire Arm, Add	98.12	
		For Gate With Double Barb Wire Arm, Add	142.72	
32 31 13 13-0486	EA	14' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,447.05	135.32
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-195.13	
		For 1" Mesh Fabric, Add	452.70	
		For 1-1/4" Mesh Fabric, Add	291.40	
		For 1-3/4" Mesh Fabric, Add	181.08	
		For 2-1/8" Mesh Fabric, Deduct	-90.54	
		For Gate With Single Barb Wire Arm, Add	114.48	
		For Gate With Double Barb Wire Arm, Add	166.51	
32 31 13 13-0487	EA	16' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,632.66	147.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-223.01	
		For 1" Mesh Fabric, Add	517.38	
		For 1-1/4" Mesh Fabric, Add	333.02	
		For 1-3/4" Mesh Fabric, Add	206.95	
		For 2-1/8" Mesh Fabric, Deduct	-103.48	
		For Gate With Single Barb Wire Arm, Add	130.83	
		For Gate With Double Barb Wire Arm, Add	190.30	
32 31 13 13-0488	EA	18' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,825.66	162.43
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-250.88	
		For 1" Mesh Fabric, Add	582.05	
		For 1-1/4" Mesh Fabric, Add	374.65	
		For 1-3/4" Mesh Fabric, Add	232.82	
		For 2-1/8" Mesh Fabric, Deduct	-116.41	
		For Gate With Single Barb Wire Arm, Add	147.18	
		For Gate With Double Barb Wire Arm, Add	214.09	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0489	EA		20' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,028.50 -278.76 646.72 416.28 258.69 -129.34 163.54 237.87	180.42
32 31 13 13-0490	EA		22' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,244.90 -306.63 711.39 457.91 284.56 -142.28 179.89 261.66	202.97
32 31 13 13-0491	EA		24' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,480.64 -334.51 776.06 499.53 310.42 -155.21 196.25 285.45	231.92
32 31 13 13-0492	EA		26' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,745.42 -362.39 840.73 541.16 336.29 -168.15 212.60 309.24	270.63
32 31 13 13-0493	EA		28' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,056.63 -390.26 905.40 582.79 362.16 -181.08 228.95 333.02	324.72
32 31 13 13-0494	EA		30' Wide x 8' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,449.10 -418.14 970.08 624.42 388.03 -194.02 245.31 356.81	405.94
<b>32 31 13 13-0495</b>			<b>10' Fence Height (32 31 13 13-0394)</b>		
32 31 13 13-0496	EA		3' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	365.01 -40.42 93.78 60.36 37.51 -18.76 23.71 34.49	49.76
32 31 13 13-0497	EA		4' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	436.87 -53.90 125.04 80.48 50.01 -25.01 31.62 45.99	49.76
32 31 13 13-0498	EA		5' Wide x 10' High Gate Single Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	491.35 -62.88 145.88 93.90 58.35 -29.18 36.89 53.66	51.91
32 31 13 13-0499	EA		6' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	576.91 -71.86 166.72 107.31 66.69 -33.34 42.16 61.32	64.56
32 31 13 13-0500	EA		7' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	661.14 -80.84 187.55 120.72 75.02 -37.51 47.43 68.99	76.52

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 13 13-0501	EA	8' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	746.70	89.17
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-89.83	
		For 1" Mesh Fabric, Add	208.40	
		For 1-1/4" Mesh Fabric, Add	134.14	
		For 1-3/4" Mesh Fabric, Add	83.36	
		For 2-1/8" Mesh Fabric, Deduct	-41.68	
		For Gate With Single Barb Wire Arm, Add	52.70	
		For Gate With Double Barb Wire Arm, Add	76.65	
32 31 13 13-0502	EA	9' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	830.93	101.27
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-98.81	
		For 1" Mesh Fabric, Add	229.24	
		For 1-1/4" Mesh Fabric, Add	147.56	
		For 1-3/4" Mesh Fabric, Add	91.70	
		For 2-1/8" Mesh Fabric, Deduct	-45.85	
		For Gate With Single Barb Wire Arm, Add	57.97	
		For Gate With Double Barb Wire Arm, Add	84.32	
32 31 13 13-0503	EA	10' Wide x 10' High Single Gate Vinyl Coated Without Barbed Wire Arm.....	916.50	113.78
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-107.79	
		For 1" Mesh Fabric, Add	250.08	
		For 1-1/4" Mesh Fabric, Add	160.97	
		For 1-3/4" Mesh Fabric, Add	100.03	
		For 2-1/8" Mesh Fabric, Deduct	-50.02	
		For Gate With Single Barb Wire Arm, Add	63.24	
		For Gate With Double Barb Wire Arm, Add	91.98	
32 31 13 13-0504	EA	10' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,249.32	128.92
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-161.69	
		For 1" Mesh Fabric, Add	375.11	
		For 1-1/4" Mesh Fabric, Add	241.45	
		For 1-3/4" Mesh Fabric, Add	150.05	
		For 2-1/8" Mesh Fabric, Deduct	-75.02	
		For Gate With Single Barb Wire Arm, Add	94.86	
		For Gate With Double Barb Wire Arm, Add	137.97	
32 31 13 13-0505	EA	12' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,451.42	138.66
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-194.03	
		For 1" Mesh Fabric, Add	450.14	
		For 1-1/4" Mesh Fabric, Add	289.74	
		For 1-3/4" Mesh Fabric, Add	180.06	
		For 2-1/8" Mesh Fabric, Deduct	-90.03	
		For Gate With Single Barb Wire Arm, Add	113.83	
		For Gate With Double Barb Wire Arm, Add	165.57	
32 31 13 13-0506	EA	14' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,658.76	150.39
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-226.36	
		For 1" Mesh Fabric, Add	525.16	
		For 1-1/4" Mesh Fabric, Add	338.03	
		For 1-3/4" Mesh Fabric, Add	210.06	
		For 2-1/8" Mesh Fabric, Deduct	-105.03	
		For Gate With Single Barb Wire Arm, Add	132.80	
		For Gate With Double Barb Wire Arm, Add	193.16	
32 31 13 13-0507	EA	16' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	1,872.06	163.96
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-258.70	
		For 1" Mesh Fabric, Add	600.18	
		For 1-1/4" Mesh Fabric, Add	386.32	
		For 1-3/4" Mesh Fabric, Add	240.07	
		For 2-1/8" Mesh Fabric, Deduct	-120.04	
		For Gate With Single Barb Wire Arm, Add	151.77	
		For Gate With Double Barb Wire Arm, Add	220.76	
32 31 13 13-0508	EA	18' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,093.98	180.42
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-291.04	
		For 1" Mesh Fabric, Add	675.20	
		For 1-1/4" Mesh Fabric, Add	434.61	
		For 1-3/4" Mesh Fabric, Add	270.08	
		For 2-1/8" Mesh Fabric, Deduct	-135.04	
		For Gate With Single Barb Wire Arm, Add	170.74	
		For Gate With Double Barb Wire Arm, Add	248.35	
32 31 13 13-0509	EA	20' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,326.35	200.38
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-323.37	
		For 1" Mesh Fabric, Add	750.22	
		For 1-1/4" Mesh Fabric, Add	482.90	
		For 1-3/4" Mesh Fabric, Add	300.09	
		For 2-1/8" Mesh Fabric, Deduct	-150.04	
		For Gate With Single Barb Wire Arm, Add	189.71	
		For Gate With Double Barb Wire Arm, Add	275.94	
32 31 13 13-0510	EA	22' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,574.37	225.53
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-355.71	
		For 1" Mesh Fabric, Add	825.25	
		For 1-1/4" Mesh Fabric, Add	531.19	
		For 1-3/4" Mesh Fabric, Add	330.10	
		For 2-1/8" Mesh Fabric, Deduct	-165.05	
		For Gate With Single Barb Wire Arm, Add	208.68	
		For Gate With Double Barb Wire Arm, Add	303.54	
32 31 13 13-0511	EA	24' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm.....	2,843.09	257.52
		For 1-5/8" Schedule 40 Pipe Frame, Deduct	-388.05	
		For 1" Mesh Fabric, Add	900.27	
		For 1-1/4" Mesh Fabric, Add	579.49	
		For 1-3/4" Mesh Fabric, Add	360.11	
		For 2-1/8" Mesh Fabric, Deduct	-180.05	
		For Gate With Single Barb Wire Arm, Add	227.65	
		For Gate With Double Barb Wire Arm, Add	331.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0512	EA		26' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,145.04 -420.38 975.29 627.77 390.12 -195.06 246.63 358.73	300.65
32 31 13 13-0513	EA		28' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,497.15 -452.72 1,050.32 676.07 420.13 -210.06 265.60 386.32	360.54
32 31 13 13-0514	EA		30' Wide x 10' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,941.47 -485.06 1,125.34 724.35 450.13 -225.07 284.57 413.92	451.04
<b>32 31 13 13-0515 12' Fence Height (32 31 13 13-0394)</b>					
32 31 13 13-0516	EA		3' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	466.68 -56.37 130.78 84.18 52.31 -26.16 33.07 48.10	55.27
32 31 13 13-0517	EA		4' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	566.62 -75.11 174.26 112.17 69.70 -34.85 44.06 64.09	55.27
32 31 13 13-0518	EA		5' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	647.07 -89.05 206.59 132.98 82.64 -41.32 52.24 75.99	57.29
32 31 13 13-0519	EA		6' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	750.71 -100.66 233.54 150.32 93.42 -46.71 59.06 85.90	71.14
32 31 13 13-0520	EA		7' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	861.24 -113.57 263.48 169.60 105.39 -52.70 66.63 96.91	85.13
32 31 13 13-0521	EA		8' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	970.42 -126.47 293.42 188.87 117.37 -58.68 74.20 107.92	98.59
32 31 13 13-0522	EA		9' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,080.93 -139.38 323.36 208.14 129.34 -64.67 81.77 118.94	112.43
32 31 13 13-0523	EA		10' Wide x 12' High Single Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,184.58 -151.00 350.31 225.49 140.12 -70.06 88.58 128.85	126.28

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0524	EA 10' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,637.40 -226.42 525.28 338.11 210.11 -105.06 132.83 193.21	143.23
32 31 13 13-0525	EA 12' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	1,951.19 -279.07 647.45 416.75 258.98 -129.49 163.72 238.14	154.21
32 31 13 13-0526	EA 14' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,239.48 -325.84 755.95 486.59 302.38 -151.19 191.16 278.05	167.00
32 31 13 13-0527	EA 16' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,532.75 -372.30 863.74 555.97 345.50 -172.75 218.42 317.70	182.09
32 31 13 13-0528	EA 18' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	2,832.09 -418.14 970.09 624.43 388.04 -194.02 245.31 356.81	200.53
32 31 13 13-0529	EA 20' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,146.21 -464.60 1,077.88 693.81 431.15 -215.58 272.57 396.46	222.63
32 31 13 13-0530	EA 22' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,478.17 -511.06 1,185.67 763.19 474.27 -237.13 299.82 436.11	250.51
32 31 13 13-0531	EA 24' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	3,832.91 -557.52 1,293.46 832.57 517.38 -258.69 327.08 475.75	286.17
32 31 13 13-0532	EA 26' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	4,232.83 -605.53 1,404.83 904.26 561.93 -280.97 355.25 516.72	334.17
32 31 13 13-0533	EA 28' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	4,880.21 -651.99 1,512.62 973.64 605.05 -302.52 382.50 556.37	400.61
32 31 13 13-0534	EA 30' Wide x 12' High Double Gate Vinyl Coated Without Barbed Wire Arm ..... For 1-5/8" Schedule 40 Pipe Frame, Deduct For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Single Barb Wire Arm, Add For Gate With Double Barb Wire Arm, Add	5,230.07 -698.45 1,620.41 1,043.02 648.16 -324.08 409.76 596.01	501.18

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0535			<b>Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0252)</small> Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper and lower rails, track brackets, roller gate wheel carrier, track rollers, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. See CSI section 32 31 13 13-0621 for additional gate accessories, 32 31 13 13-0682 for gate replacement parts.		
32 31 13 13-0536			<b>4' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0535)</small>		
32 31 13 13-0537	EA		10' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	3,275.76	494.63
			For 1" Mesh Fabric, Add	994.60	
			For 1-1/4" Mesh Fabric, Add	640.20	
			For 1-3/4" Mesh Fabric, Add	397.84	
			For 2-1/8" Mesh Fabric, Deduct	-198.92	
			For Gate With Barb Wire Arm, Add	251.51	
			For Vinyl Coated, Add	685.93	
32 31 13 13-0538	EA		12' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	3,937.93	597.18
			For 1" Mesh Fabric, Add	1,193.52	
			For 1-1/4" Mesh Fabric, Add	768.24	
			For 1-3/4" Mesh Fabric, Add	477.41	
			For 2-1/8" Mesh Fabric, Deduct	-238.70	
			For Gate With Barb Wire Arm, Add	301.81	
			For Vinyl Coated, Add	823.12	
32 31 13 13-0539	EA		14' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	4,594.53	696.69
			For 1" Mesh Fabric, Add	1,392.44	
			For 1-1/4" Mesh Fabric, Add	896.29	
			For 1-3/4" Mesh Fabric, Add	556.98	
			For 2-1/8" Mesh Fabric, Deduct	-278.49	
			For Gate With Barb Wire Arm, Add	352.11	
			For Vinyl Coated, Add	960.31	
32 31 13 13-0540	EA		16' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	5,259.79	800.76
			For 1" Mesh Fabric, Add	1,591.36	
			For 1-1/4" Mesh Fabric, Add	1,024.33	
			For 1-3/4" Mesh Fabric, Add	636.55	
			For 2-1/8" Mesh Fabric, Deduct	-318.27	
			For Gate With Barb Wire Arm, Add	402.41	
			For Vinyl Coated, Add	1,097.49	
32 31 13 13-0541	EA		18' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	5,917.32	900.87
			For 1" Mesh Fabric, Add	1,790.29	
			For 1-1/4" Mesh Fabric, Add	1,152.37	
			For 1-3/4" Mesh Fabric, Add	716.11	
			For 2-1/8" Mesh Fabric, Deduct	-358.06	
			For Gate With Barb Wire Arm, Add	452.72	
			For Vinyl Coated, Add	1,234.68	
32 31 13 13-0542	EA		20' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	6,556.37	991.69
			For 1" Mesh Fabric, Add	1,989.21	
			For 1-1/4" Mesh Fabric, Add	1,280.41	
			For 1-3/4" Mesh Fabric, Add	795.68	
			For 2-1/8" Mesh Fabric, Deduct	-397.84	
			For Gate With Barb Wire Arm, Add	503.02	
			For Vinyl Coated, Add	1,371.87	
32 31 13 13-0543	EA		24' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	7,835.60	1,194.20
			For 1" Mesh Fabric, Add	2,369.53	
			For 1-1/4" Mesh Fabric, Add	1,525.22	
			For 1-3/4" Mesh Fabric, Add	947.81	
			For 2-1/8" Mesh Fabric, Deduct	-473.91	
			For Gate With Barb Wire Arm, Add	599.19	
			For Vinyl Coated, Add	1,634.16	
32 31 13 13-0544	EA		30' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	11,367.62	2,254.16
			For 1" Mesh Fabric, Add	2,983.81	
			For 1-1/4" Mesh Fabric, Add	1,920.61	
			For 1-3/4" Mesh Fabric, Add	1,193.52	
			For 2-1/8" Mesh Fabric, Deduct	-596.76	
			For Gate With Barb Wire Arm, Add	754.53	
			For Vinyl Coated, Add	2,057.80	
32 31 13 13-0545	EA		40' Long x 4' High Chain Link Galvanized Steel Sliding Gate.....	15,156.83	3,005.55
			For 1" Mesh Fabric, Add	3,978.41	
			For 1-1/4" Mesh Fabric, Add	2,560.82	
			For 1-3/4" Mesh Fabric, Add	1,591.36	
			For 2-1/8" Mesh Fabric, Deduct	-795.68	
			For Gate With Barb Wire Arm, Add	1,006.03	
			For Vinyl Coated, Add	2,743.73	
32 31 13 13-0546			<b>5' High Chain Link Galvanized Steel Sliding Gate</b> <small>(32 31 13 13-0535)</small>		
32 31 13 13-0547	EA		10' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	3,430.35	538.36
			For 1" Mesh Fabric, Add	1,023.83	
			For 1-1/4" Mesh Fabric, Add	659.02	
			For 1-3/4" Mesh Fabric, Add	409.53	
			For 2-1/8" Mesh Fabric, Deduct	-204.77	
			For Gate With Barb Wire Arm, Add	258.90	
			For Vinyl Coated, Add	706.09	
32 31 13 13-0548	EA		12' Long x 5' High Chain Link Galvanized Steel Sliding Gate.....	4,114.91	645.33
			For 1" Mesh Fabric, Add	1,228.60	
			For 1-1/4" Mesh Fabric, Add	790.82	
			For 1-3/4" Mesh Fabric, Add	491.44	
			For 2-1/8" Mesh Fabric, Deduct	-245.72	
			For Gate With Barb Wire Arm, Add	310.68	
			For Vinyl Coated, Add	847.31	



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0549	EA 14' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	4,800.47	752.76
	For 1" Mesh Fabric, Add	1,433.37	
	For 1-1/4" Mesh Fabric, Add	922.63	
	For 1-3/4" Mesh Fabric, Add	573.35	
	For 2-1/8" Mesh Fabric, Deduct	-286.67	
	For Gate With Barb Wire Arm, Add	362.46	
	For Vinyl Coated, Add	988.53	
32 31 13 13-0550	EA 16' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	5,486.67	860.49
	For 1" Mesh Fabric, Add	1,638.14	
	For 1-1/4" Mesh Fabric, Add	1,054.43	
	For 1-3/4" Mesh Fabric, Add	655.25	
	For 2-1/8" Mesh Fabric, Deduct	-327.63	
	For Gate With Barb Wire Arm, Add	414.24	
	For Vinyl Coated, Add	1,129.75	
32 31 13 13-0551	EA 18' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	6,172.15	967.77
	For 1" Mesh Fabric, Add	1,842.90	
	For 1-1/4" Mesh Fabric, Add	1,186.23	
	For 1-3/4" Mesh Fabric, Add	737.16	
	For 2-1/8" Mesh Fabric, Deduct	-368.58	
	For Gate With Barb Wire Arm, Add	466.02	
	For Vinyl Coated, Add	1,270.97	
32 31 13 13-0552	EA 20' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	6,858.02	1,075.35
	For 1" Mesh Fabric, Add	2,047.67	
	For 1-1/4" Mesh Fabric, Add	1,318.04	
	For 1-3/4" Mesh Fabric, Add	819.07	
	For 2-1/8" Mesh Fabric, Deduct	-409.53	
	For Gate With Barb Wire Arm, Add	517.80	
	For Vinyl Coated, Add	1,412.18	
32 31 13 13-0553	EA 24' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	8,191.12	1,291.88
	For 1" Mesh Fabric, Add	2,439.18	
	For 1-1/4" Mesh Fabric, Add	1,570.04	
	For 1-3/4" Mesh Fabric, Add	975.67	
	For 2-1/8" Mesh Fabric, Deduct	-487.84	
	For Gate With Barb Wire Arm, Add	616.80	
	For Vinyl Coated, Add	1,682.19	
32 31 13 13-0554	EA 30' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	10,287.60	1,613.40
	For 1" Mesh Fabric, Add	3,071.50	
	For 1-1/4" Mesh Fabric, Add	1,977.06	
	For 1-3/4" Mesh Fabric, Add	1,228.60	
	For 2-1/8" Mesh Fabric, Deduct	-614.30	
	For Gate With Barb Wire Arm, Add	776.70	
	For Vinyl Coated, Add	2,118.28	
32 31 13 13-0555	EA 40' Long x 5' High Chain Link Galvanized Steel Sliding Gate .....	13,716.05	2,150.69
	For 1" Mesh Fabric, Add	4,095.33	
	For 1-1/4" Mesh Fabric, Add	2,636.08	
	For 1-3/4" Mesh Fabric, Add	1,638.13	
	For 2-1/8" Mesh Fabric, Deduct	-819.07	
	For Gate With Barb Wire Arm, Add	1,035.60	
	For Vinyl Coated, Add	2,824.37	
<b>32 31 13 13-0556</b>	<b>6' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0535)</b>		
32 31 13 13-0557	EA 10' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	3,662.89	631.16
	For 1" Mesh Fabric, Add	1,044.30	
	For 1-1/4" Mesh Fabric, Add	672.19	
	For 1-3/4" Mesh Fabric, Add	417.72	
	For 2-1/8" Mesh Fabric, Deduct	-208.86	
	For Gate With Barb Wire Arm, Add	264.07	
	For Vinyl Coated, Add	720.20	
32 31 13 13-0558	EA 12' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	4,391.03	755.05
	For 1" Mesh Fabric, Add	1,253.16	
	For 1-1/4" Mesh Fabric, Add	806.63	
	For 1-3/4" Mesh Fabric, Add	501.26	
	For 2-1/8" Mesh Fabric, Deduct	-250.63	
	For Gate With Barb Wire Arm, Add	316.89	
	For Vinyl Coated, Add	864.25	
32 31 13 13-0559	EA 14' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	5,122.58	880.76
	For 1" Mesh Fabric, Add	1,462.01	
	For 1-1/4" Mesh Fabric, Add	941.07	
	For 1-3/4" Mesh Fabric, Add	584.81	
	For 2-1/8" Mesh Fabric, Deduct	-292.40	
	For Gate With Barb Wire Arm, Add	369.70	
	For Vinyl Coated, Add	1,008.29	
32 31 13 13-0560	EA 16' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	5,854.70	1,006.78
	For 1" Mesh Fabric, Add	1,670.87	
	For 1-1/4" Mesh Fabric, Add	1,075.51	
	For 1-3/4" Mesh Fabric, Add	668.35	
	For 2-1/8" Mesh Fabric, Deduct	-334.17	
	For Gate With Barb Wire Arm, Add	422.52	
	For Vinyl Coated, Add	1,152.33	
32 31 13 13-0561	EA 18' Long x 6' High Chain Link Galvanized Steel Sliding Gate .....	6,586.26	1,132.49
	For 1" Mesh Fabric, Add	1,879.73	
	For 1-1/4" Mesh Fabric, Add	1,209.94	
	For 1-3/4" Mesh Fabric, Add	751.89	
	For 2-1/8" Mesh Fabric, Deduct	-375.95	
	For Gate With Barb Wire Arm, Add	475.33	
	For Vinyl Coated, Add	1,296.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0562	EA	20' Long x 6' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,326.30 2,088.59 1,344.38 835.44 -417.72 528.15 1,440.41	1,262.48
32 31 13	13-0563	EA	24' Long x 6' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	8,739.80 2,487.93 1,601.42 995.17 -497.59 629.13 1,715.81	1,510.24
32 31 13	13-0564	EA	30' Long x 6' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	10,978.50 3,132.89 2,016.57 1,253.15 -626.58 792.22 2,160.61	1,888.30
32 31 13	13-0565	EA	40' Long x 6' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	14,635.92 4,177.18 2,688.76 1,670.87 -835.44 1,056.30 2,880.82	2,516.57
<b>32 31 13</b>	<b>13-0566</b>		<b>7' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0535)</b>		
32 31 13	13-0567	EA	10' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	3,902.75 1,085.22 698.53 434.09 -217.04 274.42 748.43	704.00
32 31 13	13-0568	EA	12' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	4,682.23 1,302.30 838.26 520.92 -260.46 329.32 898.14	844.18
32 31 13	13-0569	EA	14' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	5,463.94 1,519.30 977.94 607.72 -303.86 384.19 1,047.80	985.60
32 31 13	13-0570	EA	16' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	6,243.27 1,736.35 1,117.65 694.54 -347.27 439.08 1,197.49	1,125.78
32 31 13	13-0571	EA	18' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,023.90 1,953.39 1,257.36 781.36 -390.68 493.96 1,347.17	1,266.74
32 31 13	13-0572	EA	20' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	7,803.57 2,170.45 1,397.07 868.18 -434.09 548.85 1,496.86	1,407.08
32 31 13	13-0573	EA	24' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	9,320.35 2,585.42 1,664.18 1,034.17 -517.08 653.79 1,783.05	1,688.38
32 31 13	13-0574	EA	30' Long x 7' High Chain Link Galvanized Steel Sliding Gate ..... For 1" Mesh Fabric, Add For 1-1/4" Mesh Fabric, Add For 1-3/4" Mesh Fabric, Add For 2-1/8" Mesh Fabric, Deduct For Gate With Barb Wire Arm, Add For Vinyl Coated, Add	11,705.33 3,255.66 2,095.60 1,302.26 -651.13 823.27 2,245.28	2,110.47

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 13 13-0575	EA 40' Long x 7' High Chain Link Galvanized Steel Sliding Gate .....	15,607.11	2,814.01
	For 1" Mesh Fabric, Add	4,340.88	
	For 1-1/4" Mesh Fabric, Add	2,794.13	
	For 1-3/4" Mesh Fabric, Add	1,736.35	
	For 2-1/8" Mesh Fabric, Deduct	-868.18	
	For Gate With Barb Wire Arm, Add	1,097.69	
	For Vinyl Coated, Add	2,993.71	
<b>32 31 13 13-0576</b>	<b>8' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0535)</b>		
32 31 13 13-0577	EA 10' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	4,094.02	762.67
	For 1" Mesh Fabric, Add	1,117.38	
	For 1-1/4" Mesh Fabric, Add	719.23	
	For 1-3/4" Mesh Fabric, Add	446.95	
	For 2-1/8" Mesh Fabric, Deduct	-223.48	
	For Gate With Barb Wire Arm, Add	282.56	
	For Vinyl Coated, Add	770.61	
32 31 13 13-0578	EA 12' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	4,908.42	913.06
	For 1" Mesh Fabric, Add	1,340.85	
	For 1-1/4" Mesh Fabric, Add	863.08	
	For 1-3/4" Mesh Fabric, Add	536.34	
	For 2-1/8" Mesh Fabric, Deduct	-268.17	
	For Gate With Barb Wire Arm, Add	339.07	
	For Vinyl Coated, Add	924.73	
32 31 13 13-0579	EA 14' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	5,726.59	1,065.29
	For 1" Mesh Fabric, Add	1,564.32	
	For 1-1/4" Mesh Fabric, Add	1,006.92	
	For 1-3/4" Mesh Fabric, Add	625.73	
	For 2-1/8" Mesh Fabric, Deduct	-312.86	
	For Gate With Barb Wire Arm, Add	395.58	
	For Vinyl Coated, Add	1,078.84	
32 31 13 13-0580	EA 16' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	6,545.05	1,217.52
	For 1" Mesh Fabric, Add	1,787.80	
	For 1-1/4" Mesh Fabric, Add	1,150.77	
	For 1-3/4" Mesh Fabric, Add	715.12	
	For 2-1/8" Mesh Fabric, Deduct	-357.56	
	For Gate With Barb Wire Arm, Add	452.09	
	For Vinyl Coated, Add	1,232.96	
32 31 13 13-0581	EA 18' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	7,361.80	1,369.13
	For 1" Mesh Fabric, Add	2,011.27	
	For 1-1/4" Mesh Fabric, Add	1,294.61	
	For 1-3/4" Mesh Fabric, Add	804.51	
	For 2-1/8" Mesh Fabric, Deduct	-402.25	
	For Gate With Barb Wire Arm, Add	508.60	
	For Vinyl Coated, Add	1,387.08	
32 31 13 13-0582	EA 20' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	8,180.40	1,521.52
	For 1" Mesh Fabric, Add	2,234.75	
	For 1-1/4" Mesh Fabric, Add	1,438.46	
	For 1-3/4" Mesh Fabric, Add	893.90	
	For 2-1/8" Mesh Fabric, Deduct	-446.95	
	For Gate With Barb Wire Arm, Add	565.11	
	For Vinyl Coated, Add	1,541.21	
32 31 13 13-0583	EA 24' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	9,771.62	1,825.97
	For 1" Mesh Fabric, Add	2,662.03	
	For 1-1/4" Mesh Fabric, Add	1,713.49	
	For 1-3/4" Mesh Fabric, Add	1,064.81	
	For 2-1/8" Mesh Fabric, Deduct	-532.41	
	For Gate With Barb Wire Arm, Add	673.16	
	For Vinyl Coated, Add	1,835.88	
32 31 13 13-0584	EA 30' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	12,271.75	2,282.81
	For 1" Mesh Fabric, Add	3,352.13	
	For 1-1/4" Mesh Fabric, Add	2,157.69	
	For 1-3/4" Mesh Fabric, Add	1,340.85	
	For 2-1/8" Mesh Fabric, Deduct	-670.43	
	For Gate With Barb Wire Arm, Add	847.66	
	For Vinyl Coated, Add	2,311.81	
32 31 13 13-0585	EA 40' Long x 8' High Chain Link Galvanized Steel Sliding Gate .....	16,357.75	3,041.51
	For 1" Mesh Fabric, Add	4,469.49	
	For 1-1/4" Mesh Fabric, Add	2,876.92	
	For 1-3/4" Mesh Fabric, Add	1,787.80	
	For 2-1/8" Mesh Fabric, Deduct	-893.90	
	For Gate With Barb Wire Arm, Add	1,130.22	
	For Vinyl Coated, Add	3,082.41	
<b>32 31 13 13-0586</b>	<b>9' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0535)</b>		
32 31 13 13-0587	EA 10' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	4,320.03	831.99
	For 1" Mesh Fabric, Add	1,155.37	
	For 1-1/4" Mesh Fabric, Add	743.69	
	For 1-3/4" Mesh Fabric, Add	462.15	
	For 2-1/8" Mesh Fabric, Deduct	-231.07	
	For Gate With Barb Wire Arm, Add	292.16	
	For Vinyl Coated, Add	796.81	
32 31 13 13-0588	EA 12' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	5,177.83	995.34
	For 1" Mesh Fabric, Add	1,386.45	
	For 1-1/4" Mesh Fabric, Add	892.43	
	For 1-3/4" Mesh Fabric, Add	554.58	
	For 2-1/8" Mesh Fabric, Deduct	-277.29	
	For Gate With Barb Wire Arm, Add	350.60	
	For Vinyl Coated, Add	956.17	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0589	EA		14' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	6,040.45	1,160.98
			For 1" Mesh Fabric, Add	1,617.53	
			For 1-1/4" Mesh Fabric, Add	1,041.17	
			For 1-3/4" Mesh Fabric, Add	647.01	
			For 2-1/8" Mesh Fabric, Deduct	-323.51	
			For Gate With Barb Wire Arm, Add	409.03	
			For Vinyl Coated, Add	1,115.54	
32 31 13 13-0590	EA		16' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	6,904.36	1,327.38
			For 1" Mesh Fabric, Add	1,848.60	
			For 1-1/4" Mesh Fabric, Add	1,189.90	
			For 1-3/4" Mesh Fabric, Add	739.44	
			For 2-1/8" Mesh Fabric, Deduct	-369.72	
			For Gate With Barb Wire Arm, Add	467.46	
			For Vinyl Coated, Add	1,274.90	
32 31 13 13-0591	EA		18' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	7,767.25	1,493.17
			For 1" Mesh Fabric, Add	2,079.67	
			For 1-1/4" Mesh Fabric, Add	1,338.64	
			For 1-3/4" Mesh Fabric, Add	831.87	
			For 2-1/8" Mesh Fabric, Deduct	-415.93	
			For Gate With Barb Wire Arm, Add	525.89	
			For Vinyl Coated, Add	1,434.26	
32 31 13 13-0592	EA		20' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	8,630.11	1,658.97
			For 1" Mesh Fabric, Add	2,310.75	
			For 1-1/4" Mesh Fabric, Add	1,487.38	
			For 1-3/4" Mesh Fabric, Add	924.30	
			For 2-1/8" Mesh Fabric, Deduct	-462.15	
			For Gate With Barb Wire Arm, Add	584.33	
			For Vinyl Coated, Add	1,593.62	
32 31 13 13-0593	EA		24' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	10,308.92	1,990.55
			For 1" Mesh Fabric, Add	2,752.56	
			For 1-1/4" Mesh Fabric, Add	1,771.76	
			For 1-3/4" Mesh Fabric, Add	1,101.02	
			For 2-1/8" Mesh Fabric, Deduct	-550.51	
			For Gate With Barb Wire Arm, Add	696.05	
			For Vinyl Coated, Add	1,898.32	
32 31 13 13-0594	EA		30' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	12,943.78	2,487.92
			For 1" Mesh Fabric, Add	3,466.12	
			For 1-1/4" Mesh Fabric, Add	2,231.07	
			For 1-3/4" Mesh Fabric, Add	1,386.45	
			For 2-1/8" Mesh Fabric, Deduct	-693.22	
			For Gate With Barb Wire Arm, Add	876.49	
			For Vinyl Coated, Add	2,390.43	
32 31 13 13-0595	EA		40' Long x 9' High Chain Link Galvanized Steel Sliding Gate .....	17,263.82	3,319.91
			For 1" Mesh Fabric, Add	4,621.51	
			For 1-1/4" Mesh Fabric, Add	2,974.76	
			For 1-3/4" Mesh Fabric, Add	1,848.60	
			For 2-1/8" Mesh Fabric, Deduct	-924.30	
			For Gate With Barb Wire Arm, Add	1,168.66	
			For Vinyl Coated, Add	3,187.25	
<b>32 31 13 13-0596</b>			<b>10' High Chain Link Galvanized Steel Sliding Gate (32 31 13 13-0595)</b>		
32 31 13 13-0597	EA		10' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	4,600.67	915.19
			For 1" Mesh Fabric, Add	1,205.07	
			For 1-1/4" Mesh Fabric, Add	775.68	
			For 1-3/4" Mesh Fabric, Add	482.03	
			For 2-1/8" Mesh Fabric, Deduct	-241.01	
			For Gate With Barb Wire Arm, Add	304.73	
			For Vinyl Coated, Add	831.08	
32 31 13 13-0598	EA		12' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	5,520.80	1,098.21
			For 1" Mesh Fabric, Add	1,446.08	
			For 1-1/4" Mesh Fabric, Add	930.81	
			For 1-3/4" Mesh Fabric, Add	578.43	
			For 2-1/8" Mesh Fabric, Deduct	-289.22	
			For Gate With Barb Wire Arm, Add	365.68	
			For Vinyl Coated, Add	997.30	
32 31 13 13-0599	EA		14' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	6,441.56	1,281.51
			For 1" Mesh Fabric, Add	1,687.10	
			For 1-1/4" Mesh Fabric, Add	1,085.95	
			For 1-3/4" Mesh Fabric, Add	674.84	
			For 2-1/8" Mesh Fabric, Deduct	-337.42	
			For Gate With Barb Wire Arm, Add	426.62	
			For Vinyl Coated, Add	1,163.52	
32 31 13 13-0600	EA		16' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	7,361.43	1,464.53
			For 1" Mesh Fabric, Add	1,928.12	
			For 1-1/4" Mesh Fabric, Add	1,241.09	
			For 1-3/4" Mesh Fabric, Add	771.25	
			For 2-1/8" Mesh Fabric, Deduct	-385.62	
			For Gate With Barb Wire Arm, Add	487.57	
			For Vinyl Coated, Add	1,329.74	
32 31 13 13-0601	EA		18' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	8,281.19	1,647.39
			For 1" Mesh Fabric, Add	2,169.12	
			For 1-1/4" Mesh Fabric, Add	1,396.21	
			For 1-3/4" Mesh Fabric, Add	867.65	
			For 2-1/8" Mesh Fabric, Deduct	-433.82	
			For Gate With Barb Wire Arm, Add	548.51	
			For Vinyl Coated, Add	1,495.94	

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 31 Fences and Gates**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0602	EA		20' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	9,201.33	1,830.40
			<i>For 1" Mesh Fabric, Add</i>	2,410.13	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,551.35	
			<i>For 1-3/4" Mesh Fabric, Add</i>	964.05	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-482.03	
			<i>For Gate With Barb Wire Arm, Add</i>	609.46	
			<i>For Vinyl Coated, Add</i>	1,662.16	
32 31 13 13-0603	EA		24' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	10,994.41	2,197.32
			<i>For 1" Mesh Fabric, Add</i>	2,870.95	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,847.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,148.38	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-574.19	
			<i>For Gate With Barb Wire Arm, Add</i>	725.99	
			<i>For Vinyl Coated, Add</i>	1,979.96	
32 31 13 13-0604	EA		30' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	13,801.99	2,745.59
			<i>For 1" Mesh Fabric, Add</i>	3,615.20	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,327.03	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,446.08	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-723.04	
			<i>For Gate With Barb Wire Arm, Add</i>	914.19	
			<i>For Vinyl Coated, Add</i>	2,493.24	
32 31 13 13-0605	EA		40' Long x 10' High Chain Link Galvanized Steel Sliding Gate .....	18,398.30	3,658.65
			<i>For 1" Mesh Fabric, Add</i>	4,820.28	
			<i>For 1-1/4" Mesh Fabric, Add</i>	3,102.71	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,928.11	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-964.06	
			<i>For Gate With Barb Wire Arm, Add</i>	1,218.92	
			<i>For Vinyl Coated, Add</i>	3,324.33	
32 31 13 13-0606			<b>Sliding Cantilever Gate, Single Track, Manually Operated Exposed Roller</b> <sup>(32)</sup>		
			<small>31 13 13-0252</small>		
			Note: Includes posts (3" diameter posts for up to 15' wide gate and 4" diameter over 15' wide), caps, upper rail, track brackets, roller gate wheel carrier, metal track rollers for rail, 2" diameter Schedule 40 pipe frame top and bottom bar, and 1-1/2" bracing. Includes truss rod, latches, single track, track rollers with brackets, pipe track clamps and two wheel carriers. Fabric: galvanized chain link 2" mesh # 9 gauge, galvanized 1.2 ounce coating. Width listed on tasks is opening width of gate. See CSI section 32 31 11 00-0021 for gate operators.		
32 31 13 13-0607	EA		5' High x 10' Wide Galvanized Cantilever Sliding Gate.....	6,790.81	609.52
			<i>For 1" Mesh Fabric, Add</i>	2,423.72	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,560.10	
			<i>For 1-3/4" Mesh Fabric, Add</i>	969.49	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-484.74	
			<i>For Gate With Single Barb Wire Arm, Add</i>	612.89	
			<i>For Gate With Double Barb Wire Arm, Add</i>	891.48	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,674.45	
			<i>For Powder Coated Gate And Post, Add</i>	1,170.07	
			<i>For Vinyl Coated, Add</i>	1,671.53	
32 31 13 13-0608	EA		5' High x 12' Wide Galvanized Cantilever Sliding Gate.....	7,474.86	761.90
			<i>For 1" Mesh Fabric, Add</i>	2,588.71	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,666.30	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,035.48	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-517.74	
			<i>For Gate With Single Barb Wire Arm, Add</i>	654.62	
			<i>For Gate With Double Barb Wire Arm, Add</i>	952.17	
			<i>For Aluminized Steel Gate And Post, Add</i>	2,856.51	
			<i>For Powder Coated Gate And Post, Add</i>	1,249.72	
			<i>For Vinyl Coated, Add</i>	1,785.32	
32 31 13 13-0609	EA		5' High x 15' Wide Galvanized Cantilever Sliding Gate.....	8,164.12	914.29
			<i>For 1" Mesh Fabric, Add</i>	2,755.97	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,773.96	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,102.39	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-551.19	
			<i>For Gate With Single Barb Wire Arm, Add</i>	696.91	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,013.69	
			<i>For Aluminized Steel Gate And Post, Add</i>	3,041.07	
			<i>For Powder Coated Gate And Post, Add</i>	1,330.47	
			<i>For Vinyl Coated, Add</i>	1,900.67	
32 31 13 13-0610	EA		5' High x 20' Wide Galvanized Cantilever Sliding Gate.....	9,618.38	1,219.04
			<i>For 1" Mesh Fabric, Add</i>	3,123.43	
			<i>For 1-1/4" Mesh Fabric, Add</i>	2,010.48	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,249.37	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-624.69	
			<i>For Gate With Single Barb Wire Arm, Add</i>	789.83	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,148.85	
			<i>For Aluminized Steel Gate And Post, Add</i>	3,446.54	
			<i>For Powder Coated Gate And Post, Add</i>	1,507.86	
			<i>For Vinyl Coated, Add</i>	2,154.09	
32 31 13 13-0611	EA		6' High x 15' Wide Galvanized Cantilever Sliding Gate.....	8,962.97	1,219.04
			<i>For 1" Mesh Fabric, Add</i>	2,838.32	
			<i>For 1-1/4" Mesh Fabric, Add</i>	1,826.97	
			<i>For 1-3/4" Mesh Fabric, Add</i>	1,135.33	
			<i>For 2-1/8" Mesh Fabric, Deduct</i>	-567.66	
			<i>For Gate With Single Barb Wire Arm, Add</i>	717.74	
			<i>For Gate With Double Barb Wire Arm, Add</i>	1,043.98	
			<i>For Aluminized Steel Gate And Post, Add</i>	3,131.94	
			<i>For Powder Coated Gate And Post, Add</i>	1,370.22	
			<i>For Vinyl Coated, Add</i>	1,957.46	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0612	EA		6' High x 20' Wide Galvanized Cantilever Sliding Gate.....	10,548.30	1,599.99
			For 1" Mesh Fabric, Add	3,196.51	
			For 1-1/4" Mesh Fabric, Add	2,057.53	
			For 1-3/4" Mesh Fabric, Add	1,278.61	
			For 2-1/8" Mesh Fabric, Deduct	-639.30	
			For Gate With Single Barb Wire Arm, Add	808.31	
			For Gate With Double Barb Wire Arm, Add	1,175.73	
			For Aluminized Steel Gate And Post, Add	3,527.19	
			For Powder Coated Gate And Post, Add	1,543.15	
			For Vinyl Coated, Add	2,204.49	
32 31 13 13-0613	EA		6' High x 25' Wide Galvanized Cantilever Sliding Gate.....	13,949.29	1,980.95
			For 1" Mesh Fabric, Add	4,344.52	
			For 1-1/4" Mesh Fabric, Add	2,796.47	
			For 1-3/4" Mesh Fabric, Add	1,737.81	
			For 2-1/8" Mesh Fabric, Deduct	-868.90	
			For Gate With Single Barb Wire Arm, Add	1,098.61	
			For Gate With Double Barb Wire Arm, Add	1,597.98	
			For Aluminized Steel Gate And Post, Add	4,793.95	
			For Powder Coated Gate And Post, Add	2,097.35	
			For Vinyl Coated, Add	2,996.22	
32 31 13 13-0614	EA		6' High x 30' Wide Galvanized Cantilever Sliding Gate.....	15,746.13	2,361.90
			For 1" Mesh Fabric, Add	4,794.72	
			For 1-1/4" Mesh Fabric, Add	3,086.26	
			For 1-3/4" Mesh Fabric, Add	1,917.89	
			For 2-1/8" Mesh Fabric, Deduct	-958.94	
			For Gate With Single Barb Wire Arm, Add	1,212.46	
			For Gate With Double Barb Wire Arm, Add	1,763.57	
			For Aluminized Steel Gate And Post, Add	5,290.72	
			For Powder Coated Gate And Post, Add	2,314.69	
			For Vinyl Coated, Add	3,306.70	
32 31 13 13-0615	EA		6' High x 36' Wide Galvanized Cantilever Sliding Gate.....	18,407.75	2,590.46
			For 1" Mesh Fabric, Add	5,753.66	
			For 1-1/4" Mesh Fabric, Add	3,703.51	
			For 1-3/4" Mesh Fabric, Add	2,301.46	
			For 2-1/8" Mesh Fabric, Deduct	-1,150.73	
			For Gate With Single Barb Wire Arm, Add	1,454.95	
			For Gate With Double Barb Wire Arm, Add	2,116.29	
			For Aluminized Steel Gate And Post, Add	6,348.87	
			For Powder Coated Gate And Post, Add	2,777.63	
			For Vinyl Coated, Add	3,968.04	
32 31 13 13-0616	EA		8' High x 15' Wide Galvanized Cantilever Sliding Gate.....	10,512.77	1,523.80
			For 1" Mesh Fabric, Add	3,247.34	
			For 1-1/4" Mesh Fabric, Add	2,090.24	
			For 1-3/4" Mesh Fabric, Add	1,298.94	
			For 2-1/8" Mesh Fabric, Deduct	-649.47	
			For Gate With Single Barb Wire Arm, Add	821.17	
			For Gate With Double Barb Wire Arm, Add	1,194.43	
			For Aluminized Steel Gate And Post, Add	3,583.28	
			For Powder Coated Gate And Post, Add	1,567.68	
			For Vinyl Coated, Add	2,239.55	
32 31 13 13-0617	EA		8' High x 20' Wide Galvanized Cantilever Sliding Gate.....	12,520.14	2,057.14
			For 1" Mesh Fabric, Add	3,656.55	
			For 1-1/4" Mesh Fabric, Add	2,353.64	
			For 1-3/4" Mesh Fabric, Add	1,462.62	
			For 2-1/8" Mesh Fabric, Deduct	-731.31	
			For Gate With Single Barb Wire Arm, Add	924.64	
			For Gate With Double Barb Wire Arm, Add	1,344.94	
			For Aluminized Steel Gate And Post, Add	4,034.81	
			For Powder Coated Gate And Post, Add	1,765.23	
			For Vinyl Coated, Add	2,521.76	
32 31 13 13-0618	EA		8' High x 25' Wide Galvanized Cantilever Sliding Gate.....	16,605.64	2,590.46
			For 1" Mesh Fabric, Add	4,969.74	
			For 1-1/4" Mesh Fabric, Add	3,198.92	
			For 1-3/4" Mesh Fabric, Add	1,987.90	
			For 2-1/8" Mesh Fabric, Deduct	-993.95	
			For Gate With Single Barb Wire Arm, Add	1,256.72	
			For Gate With Double Barb Wire Arm, Add	1,827.95	
			For Aluminized Steel Gate And Post, Add	5,483.86	
			For Powder Coated Gate And Post, Add	2,399.19	
			For Vinyl Coated, Add	3,427.41	
32 31 13 13-0619	EA		8' High x 30' Wide Galvanized Cantilever Sliding Gate.....	18,702.35	3,047.61
			For 1" Mesh Fabric, Add	5,484.11	
			For 1-1/4" Mesh Fabric, Add	3,530.00	
			For 1-3/4" Mesh Fabric, Add	2,193.64	
			For 2-1/8" Mesh Fabric, Deduct	-1,096.82	
			For Gate With Single Barb Wire Arm, Add	1,386.79	
			For Gate With Double Barb Wire Arm, Add	2,017.14	
			For Aluminized Steel Gate And Post, Add	6,051.43	
			For Powder Coated Gate And Post, Add	2,647.50	
			For Vinyl Coated, Add	3,782.14	
32 31 13 13-0620	EA		8' High x 36' Wide Galvanized Cantilever Sliding Gate.....	21,833.31	3,352.36
			For 1" Mesh Fabric, Add	6,580.93	
			For 1-1/4" Mesh Fabric, Add	4,236.00	
			For 1-3/4" Mesh Fabric, Add	2,632.37	
			For 2-1/8" Mesh Fabric, Deduct	-1,316.19	
			For Gate With Single Barb Wire Arm, Add	1,664.14	
			For Gate With Double Barb Wire Arm, Add	2,420.57	
			For Aluminized Steel Gate And Post, Add	7,261.71	
			For Powder Coated Gate And Post, Add	3,177.00	
			For Vinyl Coated, Add	4,538.57	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0621		<b>Gate Accessories</b> (32 31 13 13-0252)		
32 31 13	13-0622	EA	Gate Center Stop, Cast Steel, Ground .....	49.19	
32 31 13	13-0623	EA	Gate Latch, Malleable Galvanized Steel .....	64.12	
32 31 13	13-0624	EA	Gate Keeper, Full Length, Galvanized Steel .....	289.69	
32 31 13	13-0625	EA	Gate Keeper Hold-Open For Cantilever Gate .....	120.00	25.56
32 31 13	13-0626	EA	Heavy Duty Gate Latch, Malleable Galvanized Steel .....	68.86	
32 31 13	13-0627	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For 3' To 5' High Gate .....	1,156.55	
32 31 13	13-0628	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >5' To 8' High Gate .....	1,241.16	
32 31 13	13-0629	EA	Gate Keeper, Full Length, Stainless Steel, Internal Locking Device With 3/4" Stainless Steel Rod For >8' To 12' High Gate .....	1,325.77	
32 31 13	13-0630	LF	Aluminum V-Groove Gate Track .....	68.81	14.88
32 31 13	13-0631	LF	Galvanized Steel V-Groove Gate Track .....	53.61	14.88
32 31 13	13-0632		<b>Accessories</b> (32 31 13 13)		
32 31 13	13-0633		<b>Barbed And Concertina Wire</b> (32 31 13 13-0632)		
32 31 13	13-0634		<b>Single Strand Barbed Wire</b> (32 31 13 13-0633)		
32 31 13	13-0635	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 1, Galvanized Barbed Wire, Per Strand.....	1.47	0.68
			Note: Includes clips. 4 points 12-1/2 Gauge, Class I.		
			For >500 To 2,000, Deduct	-0.07	
			For >2,000 To 5,000, Deduct	-0.10	
32 31 13	13-0636	LF	12-1/2 Gauge, 4 Points, 5" O. C., ASTM A121, Class 3, Galvanized Barbed Wire, Per Strand.....	1.51	0.68
			For >500 To 2,000, Deduct	-0.07	
			For >2,000 To 5,000, Deduct	-0.10	
32 31 13	13-0637	LF	Vinyl Coated Barbed Wire (Fused), Per Strand .....	1.60	0.68
			Note: Includes clips.		
			For >500 To 2,000, Deduct	-0.07	
			For >2,000 To 5,000, Deduct	-0.11	
32 31 13	13-0638	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 3 Strand, 45 Degree, Galvanized Steel, Barbed Wire Single Arm.....	18.40	10.76
32 31 13	13-0639	EA	Chain Link 2-1/2" (2-3/8" OD) x 1-5/8", 6 Strand, 45 Degree, Galvanized Steel, Barbed Wire V-Barb Arm .....	29.92	12.91
32 31 13	13-0640	EA	Barbed Wire Eye Tops (For Single Strand).....	16.53	10.76
32 31 13	13-0641		<b>Galvanized Steel Concertina (Razor) Wire, Single Coil</b> (32 31 13 13-0633)		
32 31 13	13-0642	LF	18" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	6.10	0.94
			For >500 To 1,500, Deduct	-0.52	
			For >1,500 To 5,000, Deduct	-1.05	
			For >5,000, Deduct	-1.49	
			For Ground Installation, Deduct	-0.67	
			For Double Coil (Helix), Add	4.76	
32 31 13	13-0643	LF	18" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	9.20	0.94
			For >500 To 1,500, Deduct	-0.79	
			For >1,500 To 5,000, Deduct	-1.58	
			For >5,000, Deduct	-2.24	
			For Ground Installation, Deduct	-1.01	
			For Double Coil (Helix), Add	7.19	
32 31 13	13-0644	LF	18" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence .....	12.20	0.94
			For >500 To 1,500, Deduct	-1.05	
			For >1,500 To 5,000, Deduct	-2.10	
			For >5,000, Deduct	-2.98	
			For Ground Installation, Deduct	-1.35	
			For Double Coil (Helix), Add	9.51	
32 31 13	13-0645	LF	24" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.26	0.94
			For >500 To 1,500, Deduct	-0.84	
			For >1,500 To 5,000, Deduct	-1.69	
			For >5,000, Deduct	-2.35	
			For Ground Installation, Deduct	-0.75	
			For Double Coil (Helix), Add	8.77	
32 31 13	13-0646	LF	24" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	15.49	0.94
			For >500 To 1,500, Deduct	-1.27	
			For >1,500 To 5,000, Deduct	-2.55	
			For >5,000, Deduct	-3.55	
			For Ground Installation, Deduct	-1.12	
			For Double Coil (Helix), Add	13.25	
32 31 13	13-0647	LF	24" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence .....	20.46	0.94
			For >500 To 1,500, Deduct	-1.68	
			For >1,500 To 5,000, Deduct	-3.37	
			For >5,000, Deduct	-4.69	
			For Ground Installation, Deduct	-1.48	
			For Double Coil (Helix), Add	17.50	
32 31 13	13-0648	LF	30" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	31.87	0.94
			For >500 To 1,500, Deduct	-2.47	
			For >1,500 To 5,000, Deduct	-4.95	
			For >5,000, Deduct	-6.71	
			For Ground Installation, Deduct	-0.84	
			For Double Coil (Helix), Add	30.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 13-0649	LF		30" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	48.24	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-3.74	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-7.49	
			<i>For &gt;5,000, Deduct</i>	-10.15	
			<i>For Ground Installation, Deduct</i>	-1.26	
			<i>For Double Coil (Helix), Add</i>	45.72	
32 31 13 13-0650	LF		30" Diameter, 9" On Center Galvanized Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	63.74	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-4.95	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-9.90	
			<i>For &gt;5,000, Deduct</i>	-13.42	
			<i>For Ground Installation, Deduct</i>	-1.68	
			<i>For Double Coil (Helix), Add</i>	60.38	
32 31 13 13-0651	LF		60" Diameter, 18" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	49.47	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-3.81	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-7.62	
			<i>For &gt;5,000, Deduct</i>	-10.30	
			<i>For Ground Installation, Deduct</i>	-1.01	
			<i>For Double Coil (Helix), Add</i>	47.46	
32 31 13 13-0652	LF		60" Diameter, 12" On Center Galvanized Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	75.05	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-5.78	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-11.57	
			<i>For &gt;5,000, Deduct</i>	-15.63	
			<i>For Ground Installation, Deduct</i>	-1.55	
			<i>For Double Coil (Helix), Add</i>	71.95	
<b>32 31 13 13-0653</b>			<b>Stainless Steel Concertina (Razor) Wire, Single Coil</b> <small>(32 31 13 13-0633)</small>		
32 31 13 13-0654	LF		18" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	10.99	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-0.89	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-1.78	
			<i>For &gt;5,000, Deduct</i>	-2.47	
			<i>For Ground Installation, Deduct</i>	-0.67	
			<i>For Double Coil (Helix), Add</i>	9.65	
32 31 13 13-0655	LF		18" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	16.61	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-1.35	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-2.69	
			<i>For &gt;5,000, Deduct</i>	-3.73	
			<i>For Ground Installation, Deduct</i>	-1.01	
			<i>For Double Coil (Helix), Add</i>	14.60	
32 31 13 13-0656	LF		18" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	21.99	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-1.78	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-3.57	
			<i>For &gt;5,000, Deduct</i>	-4.94	
			<i>For Ground Installation, Deduct</i>	-1.35	
			<i>For Double Coil (Helix), Add</i>	19.30	
32 31 13 13-0657	LF		24" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	14.41	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-1.16	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-2.31	
			<i>For &gt;5,000, Deduct</i>	-3.18	
			<i>For Ground Installation, Deduct</i>	-0.75	
			<i>For Double Coil (Helix), Add</i>	12.92	
32 31 13 13-0658	LF		24" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	21.78	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-1.75	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-3.49	
			<i>For &gt;5,000, Deduct</i>	-4.80	
			<i>For Ground Installation, Deduct</i>	-1.12	
			<i>For Double Coil (Helix), Add</i>	19.54	
32 31 13 13-0659	LF		24" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	28.76	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-2.31	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-4.61	
			<i>For &gt;5,000, Deduct</i>	-6.35	
			<i>For Ground Installation, Deduct</i>	-1.48	
			<i>For Double Coil (Helix), Add</i>	25.80	
32 31 13 13-0660	LF		30" Diameter, 18" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 6th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	47.58	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-3.65	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-7.31	
			<i>For &gt;5,000, Deduct</i>	-9.85	
			<i>For Ground Installation, Deduct</i>	-0.84	
			<i>For Double Coil (Helix), Add</i>	45.90	
32 31 13 13-0661	LF		30" Diameter, 12" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 4th Barb On Top Of Chain Link Fence, Per LF Of Fence.....	72.05	0.94
			<i>For &gt;500 To 1,500, Deduct</i>	-5.53	
			<i>For &gt;1,500 To 5,000, Deduct</i>	-11.06	
			<i>For &gt;5,000, Deduct</i>	-14.92	
			<i>For Ground Installation, Deduct</i>	-1.26	
			<i>For Double Coil (Helix), Add</i>	69.53	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13	13-0662	LF	30" Diameter, 9" On Center, Stainless Steel Concertina (Razor) Wire, Attach To Every 3rd Barb On Top Of Chain Link Fence, Per LF Of Fence.....	95.17	0.94
			<i>For &gt;500 To 1,500, Deduct</i> .....	-7.31	
			<i>For &gt;1,500 To 5,000, Deduct</i> .....	-14.61	
			<i>For &gt;5,000, Deduct</i> .....	-19.71	
			<i>For Ground Installation, Deduct</i> .....	-1.68	
			<i>For Double Coil (Helix), Add</i> .....	91.81	
32 31 13	13-0663		<b>Grounding For Gates</b> (32 31 13 13-0632) Note: Includes two of each of the following per opening: 5/8 ground rods, clamps, braided straps and #6 bare copper wire.		
32 31 13	13-0664	OPNG	Grounding For Gates (Per Opening).....	594.03	
32 31 13	13-0665		<b>Coiled Spring Reinforcing Wire</b> (32 31 13 13-0632)		
32 31 13	13-0666		<b>Galvanized Steel</b> (32 31 13 13-0665)		
32 31 13	13-0667	LF	7 Gauge, Galvanized Steel, Reinforcing Wire Coiled Spring.....	1.54	0.68
32 31 13	13-0668		<b>Vinyl Coated Steel</b> (32 31 13 13-0665)		
32 31 13	13-0669	LF	9 Gauge, Vinyl Coated Steel, Reinforcing Wire Coiled Spring.....	1.54	0.68
32 31 13	13-0670		<b>Bending Of Fabric Around Pipe Railings</b> (32 31 13 13-0632) Note: Only where specified.		
32 31 13	13-0671	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Top.....	2.20	
32 31 13	13-0672	LF	Bend Chain Link Fence Fabric Around Pipe Railing, Bottom.....	1.93	
32 31 13	13-0673		<b>Mounting Plate With Anchors Or Bolts</b> (32 31 13 13-0632) Note: For drilling for anchor or bolts, installing post on or against flat surface.		
32 31 13	13-0674	EA	Mounting Plate For 1-5/8" Diameter Post.....	53.84	
32 31 13	13-0675	EA	Mounting Plate For 2" Diameter Post.....	54.63	
32 31 13	13-0676	EA	Mounting Plate For 2-1/2" Diameter Post.....	56.30	
32 31 13	13-0677	EA	Mounting Plate For 3" Diameter Post.....	67.21	
32 31 13	13-0678	EA	Mounting Plate For 4" Diameter Post.....	76.89	
32 31 13	13-0679	EA	Mounting Plate For 6-5/8" Diameter Post.....	88.58	
32 31 13	13-0680	EA	Mounting Plate For 8-5/8" Diameter Post.....	103.95	
32 31 13	13-0681		<b>Fence And Gate Repair And Replacement</b> (32 31 13 13)		
32 31 13	13-0682		<b>Fence And Gate Parts Replacement</b> (32 31 13 13-0681)		
32 31 13	13-0683	EA	Cantilever Roller Assembly, Ball Bearing With Fittings, Replacement.....	147.54	
32 31 13	13-0684	EA	Sliding Gate Roller Assembly Replacement.....	148.52	
32 31 13	13-0685	EA	Rod And Lock Gate Keeper Replacement.....	144.55	
32 31 13	13-0686	EA	Galvanized Gate Holdback Replacement.....	35.38	
32 31 13	13-0687	LF	3/8" Cross Bracing Rod Replacement.....	1.93	
32 31 13	13-0688	LF	1-5/8" Diagonal Pipe Bracing Replacement.....	2.94	
32 31 13	13-0689	EA	2-3/8" To 2-1/2" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	31.60	
32 31 13	13-0690	EA	2-7/8" To 3" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	36.44	
32 31 13	13-0691	EA	3-1/2" To 4" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	41.28	
32 31 13	13-0692	EA	6-1/2" To 6-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	60.57	
32 31 13	13-0693	EA	8-5/8" Diameter Galvanized Steel Gate Hinge With Bolts, Replacement.....	118.55	
32 31 13	13-0694	EA	2-1/2" x 2" Off Set Gate Hinge Replacement.....	31.66	
32 31 13	13-0695	EA	3" x 2" Off Set Gate Hinge Replacement.....	33.10	
32 31 13	13-0696	EA	4" x 2" Off Set Gate Hinge Replacement.....	35.39	
32 31 13	13-0697	EA	6-5/8" x 2" Off Set Gate Hinge Replacement.....	54.82	
32 31 13	13-0698	EA	8-5/8" x 2" Off Set Gate Hinge Replacement.....	83.39	
32 31 13	13-0699	EA	1-5/8" Aluminum Die-Cast Post Cap Replacement.....	7.69	
32 31 13	13-0700	EA	2" Aluminum Die-Cast Post Cap Replacement.....	8.43	
32 31 13	13-0701	EA	2-1/2" Aluminum Die-Cast Post Cap Replacement.....	9.76	
32 31 13	13-0702	EA	3" Aluminum Die-Cast Post Cap Replacement.....	11.28	
32 31 13	13-0703	EA	2" Galvanized Post Cap Replacement.....	8.47	
32 31 13	13-0704	EA	2-1/2" Galvanized Post Cap Replacement.....	9.21	
32 31 13	13-0705	EA	3" Galvanized Post Cap Replacement.....	10.48	
32 31 13	13-0706	EA	4" Galvanized Post Cap Replacement.....	14.79	
32 31 13	13-0707	EA	6-5/8" Galvanized Post Cap Replacement.....	25.72	
32 31 13	13-0708	EA	8-5/8" Galvanized Post Cap Replacement.....	41.24	
32 31 13	13-0709	EA	1-5/8" Boulevard Clamp Replacement.....	14.41	
32 31 13	13-0710	EA	2" Boulevard Clamp Replacement.....	17.51	
32 31 13	13-0711	EA	2-1/2" Boulevard Clamp Replacement.....	20.55	
32 31 13	13-0712	EA	3" Boulevard Clamp Replacement.....	24.95	
32 31 13	13-0713	EA	1-5/8" Gate Brace Or End Rail Clamp Replacement.....	14.19	
32 31 13	13-0714	EA	2" Gate Brace Or End Rail Clamp Replacement.....	17.20	
32 31 13	13-0715	EA	2-1/2" Gate Brace Or End Rail Clamp Replacement.....	20.25	
32 31 13	13-0716	EA	3" Gate Brace Or End Rail Clamp Replacement.....	24.63	
32 31 13	13-0717	EA	1-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	14.50	
32 31 13	13-0718	EA	2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	14.76	
32 31 13	13-0719	EA	2-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	14.64	
32 31 13	13-0720	EA	3" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	14.84	
32 31 13	13-0721	EA	3-1/2" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	15.00	
32 31 13	13-0722	EA	4" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	15.47	
32 31 13	13-0723	EA	6-5/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	18.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 31 13 13-0724	EA		1-3/8" Heavy Duty Galvanized Tension Band With Bolt, Replacement.....	14.40	
<b>32 31 13 13-0725</b>			<b>Removal And Reinstallation Of Chain Link Fences</b> (32 31 13 13) Note: Includes removal, storage, cleaning and reinstallation of fence fabric, rails and other components. Excludes post work. See CSI section 32 31 13 13-0001 for new post holes where required, 32 31 13 13-0080 for new fence posts where required.		
32 31 13 13-0726	LF		Removal And Reinstallation Of Chain Link Fence Up To 5' Height .....	26.90	
32 31 13 13-0727	LF		Removal And Reinstallation Of Chain Link Fence 6' To 12' Height .....	40.34	
<b>32 31 13 13-0728</b>			<b>Ballfield Fencing</b> (32 31 13 13) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
<b>32 31 13 13-0729</b>			<b>Concrete Bases For Ballfield Poles, Cast In Place</b> (32 31 13 13-0728) Note: Includes excavation/drilling, concrete, reinforcement, forms for exposed base, anchors/supports and backfill.		
32 31 13 13-0730	VLF		2-1/2' Diameter Concrete Base For Ballfield Poles.....	142.31	
32 31 13 13-0731	VLF		3' Diameter Concrete Base For Ballfield Poles.....	166.46	
32 31 13 13-0732	VLF		3-1/2' Diameter Concrete Base For Ballfield Poles.....	207.84	
32 31 13 13-0733	VLF		4' Diameter Concrete Base For Ballfield Poles.....	244.07	
<b>32 31 13 13-0734</b>			<b>Ballfield Poles</b> (32 31 13 13-0728)		
32 31 13 13-0735	EA		20' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting ..... Note: 10' above grade	8,504.84	817.32
32 31 13 13-0736	EA		25' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting ..... Note: 15' above grade	10,552.17	1,021.64
32 31 13 13-0737	EA		30' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting ..... Note: 20' above grade	12,141.93	1,225.98
32 31 13 13-0738	EA		40' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting ..... Note: 30' above grade	16,262.94	1,430.30
32 31 13 13-0739	EA		50' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting ..... Note: 40' above grade	21,716.08	1,634.62
32 31 13 13-0740	EA		60' Galvanized Steel Pole, 24" Diameter At Base For Ballfield Netting ..... Note: 50' above grade	24,270.56	1,838.96
<b>32 31 13 13-0741</b>			<b>Ballfield Nylon Netting</b> (32 31 13 13-0728) Note: Excludes fastening clips and cabeling		
32 31 13 13-0742	LF		10' High, #18 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	1.97	
32 31 13 13-0743	LF		10' High, #21 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.02	
32 31 13 13-0744	LF		10' High, #36 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.24	
32 31 13 13-0745	LF		10' High, #42 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.52	
32 31 13 13-0746	LF		10' High, #48 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	2.80	
32 31 13 13-0747	LF		10' High, #60 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	3.70	
32 31 13 13-0748	LF		10' High, #72 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	4.18	
32 31 13 13-0749	LF		10' High, #96 Black Twisted Knotted Nylon Square 1-3/4" Mesh With Sewn Borders For Ballfield Netting.....	5.43	
<b>32 31 13 13-0750</b>			<b>Ballfield Chainlink Netting</b> (32 31 13 13-0728) Note: Excludes fastening clips and cabeling		
32 31 13 13-0751	SF		#9 Gauge Chain Link Fabric, 2" Mesh For Ballfield Netting .....	4.15	1.43
			For 13 Gauge Fabric, Deduct	-0.58	
			For 11 Gauge Fabric, Deduct	-0.32	
			For 6 Gauge Fabric, Add	1.02	
			For 1" Mesh Fabric, Add	0.96	
			For 1-3/4" Mesh Fabric, Add	0.38	
			For 2-1/8" Mesh Fabric, Deduct	-0.19	
			For 2-3/8" Mesh Fabric, Deduct	-0.26	
<b>32 31 13 13-0752</b>			<b>Ballfield Netting Accessories</b> (32 31 13 13-0728)		
32 31 13 13-0753	EA		Sliding Clip For Ballfield Netting.....	9.72	
32 31 13 13-0754	EA		1/4" Utility Spring Swing Clip For Ballfield Netting .....	4.40	
32 31 13 13-0755	EA		5/16" Utility Spring Swing Clip For Ballfield Netting .....	4.60	
32 31 13 13-0756	EA		3/8" Utility Spring Swing Clip For Ballfield Netting .....	4.91	
<b>32 31 13 33</b>			<b>Chain Link Backstops</b> (32 31 13)		
<b>32 31 13 33-0001</b>			<b>Regulation Baseball Backstop</b> (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		
32 31 13 33-0002	EA		20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Galvanized .....	14,551.82	2,787.20
32 31 13 33-0003	EA		34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Galvanized .....	20,859.68	3,716.26
32 31 13 33-0004	EA		48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Galvanized .....	26,411.76	4,335.64
32 31 13 33-0005	EA		20'-6" Wide x 13' High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	19,940.38	2,787.20
32 31 13 33-0006	EA		34' Wide x 17'-6" High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	28,922.67	3,716.26
32 31 13 33-0007	EA		48'-3-1/2" Wide x 24' High Baseball Backstop Prefabricated With Hood, Vinyl Coated .....	37,052.13	4,335.64
32 31 13 33-0008	SF		2" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop.....	15.96	
32 31 13 33-0009	SF		3" Thick Polyethylene Foam, 18 Oz Vinyl Cover, Padding Installed On Chain Link Backstop.....	18.96	
<b>32 31 13 33-0010</b>			<b>Regulation Softball Backstop</b> (32 31 13 33) See CSI section 32 31 13 13-0001 for auguring holes and concrete.		



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 13 33-0011			<b>14' High Softball Backstop</b> (32 31 13 33-0010) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0012	EA		14' Softball Backstop, Galvanized Regulation.....	12,330.37	2,650.05
32 31 13 33-0013	EA		14' Softball Backstop, Vinyl Coated Regulation .....	16,195.13	2,650.05
32 31 13 33-0014			<b>18' High Softball Backstop</b> (32 31 13 33-0010) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0015	EA		18' Softball Backstop, Galvanized Regulation.....	14,338.82	2,946.12
32 31 13 33-0016	EA		18' Softball Backstop Vinyl Coated Regulation .....	19,013.93	2,946.12
32 31 13 33-0017			<b>20' High Softball Backstop</b> (32 31 13 33-0010) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0018	EA		20' Softball Backstop, Galvanized Regulation.....	16,149.18	3,106.27
32 31 13 33-0019	EA		20' Softball Backstop, Vinyl Coated Regulation .....	21,697.04	3,106.27
32 31 13 33-0020			<b>22' High Softball Backstop</b> (32 31 13 33-0010) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0021	EA		22' Softball Backstop, Galvanized Regulation.....	18,504.52	3,199.99
32 31 13 33-0022	EA		22' Softball Backstop, Vinyl Coated Regulation .....	25,174.35	3,199.99
32 31 13 33-0023			<b>24' High Softball Backstop</b> (32 31 13 33-0010) Note: Includes 3" outside diameter posts every 8', top, middle, and bottom brace rails, overhang panel with 9 gauge mesh and 1-1/8" outside diameter frame, 16' of 6 gauge mesh and 32' of 9 gauge mesh.		
32 31 13 33-0024	EA		24' Softball Backstop, Galvanized Regulation.....	21,901.40	3,657.13
32 31 13 33-0025	EA		24' Softball Backstop, Vinyl Coated Regulation .....	30,191.93	3,657.13
<b>32 31 16</b>			<b>Welded Wire Fences and Gates</b> (32 31)		
32 31 16 00-0001			<b>Welded Wire Fence</b> (32 31 16)		
32 31 16 00-0002			<b>12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh</b> (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0003	LF		3' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	13.17	2.47
32 31 16 00-0004	LF		5' High, 12 Gauge Galvanized Steel Welded Wire Fence, 2" x 4" Mesh, Posts At 5'.....	13.97	2.47
32 31 16 00-0005			<b>14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh</b> (32 31 16 00-0001) Note: Posts 5' on center.		
32 31 16 00-0006	LF		3' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	13.01	2.47
32 31 16 00-0007	LF		5' High, 14 Gauge Galvanized Steel Welded Wire Fence, 1" x 2" Mesh, Posts At 5'.....	13.72	2.47
<b>32 31 19</b>			<b>Decorative Metal Fences and Gates</b> (32 31) See CSI section 32 31 13 13-0001 for drilling and grouting.		
32 31 19 00-0001			<b>Wrought Iron Fence</b> (32 31 19) Note: Factory primed.		
32 31 19 00-0002			<b>Wrought Iron Fence, 3/4" Verticals At &gt;3" To 4" On Center</b> (32 31 19 00-0001) Note: Factory primed 8 foot long panel sections.		
32 31 19 00-0003	LF		3' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	52.54	14.80
			<i>For 6' Length Fence Panels With Posts Set 6' O.C., Add</i>	9.95	
			<i>For Verticals Up To 2" On Center, Add</i>	7.34	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	4.59	
			<i>For Verticals &gt;2-1/2" To 3" On Center, Add</i>	1.84	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-2.07	
			<i>For Pickets Extending Above Top Rail, Add</i>	4.35	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	9.68	
32 31 19 00-0004	LF		4' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	66.75	18.83
			<i>For 6' Length Fence Panels With Posts Set 6' O.C., Add</i>	12.56	
			<i>For Verticals Up To 2" On Center, Add</i>	9.73	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	6.08	
			<i>For Verticals &gt;2-1/2" To 3" On Center, Add</i>	2.43	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-2.74	
			<i>For Pickets Extending Above Top Rail, Add</i>	5.62	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	12.61	
32 31 19 00-0005	LF		5' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center.....	77.91	19.64
			<i>For 6' Length Fence Panels With Posts Set 6' O.C., Add</i>	14.46	
			<i>For Verticals Up To 2" On Center, Add</i>	12.28	
			<i>For Verticals &gt;2" To 2-1/2" On Center, Add</i>	7.67	
			<i>For Verticals &gt;2-1/2" To 3" On Center, Add</i>	3.07	
			<i>For Verticals &gt;4" To 6" On Center, Deduct</i>	-3.45	
			<i>For Pickets Extending Above Top Rail, Add</i>	6.77	
			<i>For Curved Pickets Extending Above Top Rail, Add</i>	15.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0006	LF		6' High Wrought Iron Fence, Verticals At >3" To 2" On Center With 2" Square Posts, Set 8' On Center ..... For 6' Length Fence Panels With Posts Set 6' O.C., Add For Verticals Up To 2" On Center, Add For Verticals >2" To 2-1/2" On Center, Add For Verticals >2-1/2" To 3" On Center, Add For Verticals >4" To 6" On Center, Deduct For Pickets Extending Above Top Rail, Add For Curved Pickets Extending Above Top Rail, Add	94.15 17.44 14.94 9.34 3.74 -4.20 8.21 18.74	23.67
32 31 19 00-0007	LF		7' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 2" Square Posts, Set 8' On Center ..... For 6' Length Fence Panels With Posts Set 6' O.C., Add For Verticals Up To 2" On Center, Add For Verticals >2" To 2-1/2" On Center, Add For Verticals >2-1/2" To 3" On Center, Add For Verticals >4" To 6" On Center, Deduct For Pickets Extending Above Top Rail, Add For Curved Pickets Extending Above Top Rail, Add	108.14 19.73 18.57 11.61 4.64 -5.22 9.76 22.62	25.05
32 31 19 00-0008	LF		8' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center ..... For 6' Length Fence Panels With Posts Set 6' O.C., Add For Verticals Up To 2" On Center, Add For Verticals >2" To 2-1/2" On Center, Add For Verticals >2-1/2" To 3" On Center, Add For Verticals >4" To 6" On Center, Deduct For Pickets Extending Above Top Rail, Add For Curved Pickets Extending Above Top Rail, Add	122.11 22.01 22.20 13.88 5.55 -6.25 11.31 26.51	26.36
32 31 19 00-0009	LF		10' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center ..... For 6' Length Fence Panels With Posts Set 6' O.C., Add For Verticals Up To 2" On Center, Add For Verticals >2" To 2-1/2" On Center, Add For Verticals >2-1/2" To 3" On Center, Add For Verticals >4" To 6" On Center, Deduct For Pickets Extending Above Top Rail, Add For Curved Pickets Extending Above Top Rail, Add	146.58 26.13 27.97 17.48 6.99 -7.87 13.88 32.84	29.59
32 31 19 00-0010	LF		12' High Wrought Iron Fence, Verticals At >3" To 4" On Center With 3" Square Posts, Set 8' On Center ..... For 6' Length Fence Panels With Posts Set 6' O.C., Add For Verticals Up To 2" On Center, Add For Verticals >2" To 2-1/2" On Center, Add For Verticals >2-1/2" To 3" On Center, Add For Verticals >4" To 6" On Center, Deduct For Pickets Extending Above Top Rail, Add For Curved Pickets Extending Above Top Rail, Add	172.19 30.54 33.58 20.99 8.40 -9.45 16.48 39.15	33.63
32 31 19 00-0011			<b>Wrought Iron Gates</b> (32 31 19 00-0001) Note: Factory primed.		
32 31 19 00-0012			<b>Single Wrought Iron Gates</b> (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0013	LF		3' Single Wrought Iron Gate, Hardware And Associated Trim .....	64.13	18.02
32 31 19 00-0014	LF		4' Single Wrought Iron Gate, Hardware And Associated Trim .....	84.09	22.32
32 31 19 00-0015	LF		5' Single Wrought Iron Gate, Hardware And Associated Trim .....	101.92	26.90
32 31 19 00-0016	LF		6' Single Wrought Iron Gate, Hardware And Associated Trim .....	123.53	32.28
32 31 19 00-0017	LF		8' Single Wrought Iron Gate, Hardware And Associated Trim .....	160.14	35.78
32 31 19 00-0018	LF		10' Single Wrought Iron Gate, Hardware And Associated Trim .....	190.97	39.54
32 31 19 00-0019	LF		12' Single Wrought Iron Gate, Hardware And Associated Trim .....	221.28	44.92
32 31 19 00-0020			<b>Double Wrought Iron Gates</b> (32 31 19 00-0011) Note: Factory primed.		
32 31 19 00-0021	LF		3' Double Wrought Iron Gate, Hardware And Associated Trim .....	77.86	16.14
32 31 19 00-0022	LF		4' Double Wrought Iron Gate, Hardware And Associated Trim .....	101.78	20.17
32 31 19 00-0023	LF		5' Double Wrought Iron Gate, Hardware And Associated Trim .....	122.78	24.21
32 31 19 00-0024	LF		6' Double Wrought Iron Gate, Hardware And Associated Trim .....	148.28	29.05
32 31 19 00-0025	LF		8' Double Wrought Iron Gate, Hardware And Associated Trim .....	193.11	32.28
32 31 19 00-0026	LF		10' Double Wrought Iron Gate, Hardware And Associated Trim .....	230.68	35.50
32 31 19 00-0027	LF		12' Double Wrought Iron Gate, Hardware And Associated Trim .....	267.84	40.34
32 31 19 00-0028			<b>Repair Or Replace Wrought Iron Fence</b> (32 31 19 00-0001)		
32 31 19 00-0029	LF		Removal And Replacement Of Wrought Iron Picket .....	24.52	
32 31 19 00-0030	LF		Removal And Replacement Of Wrought Iron Post.....	35.59	
32 31 19 00-0031	EA		Straighten Wrought Iron Post.....	107.60	
32 31 19 00-0032			<b>Steel Tube Fence, Powder Coated</b> (32 31 19) Note: Pickets are 3/4" square x 16 gauge.		
32 31 19 00-0033			<b>Steel Tube Fence, 2 Rail</b> (32 31 19 00-0032) Note: 6 foot long panel sections.		
32 31 19 00-0034	LF		3' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts ..... For Verticals Up To 2" On Center, Add For Verticals >2" To 2-1/2" On Center, Add For Verticals >3" To 4" On Center, Deduct For Verticals >4" To 6" On Center, Deduct For Pickets Extending Above Top Rail, Add For Curved Pickets Extending Above Top Rail, Add For Solid Pickets, Add For Aluminum With Satin Finish, Add For Third Rail, Add For 1" Square x 14 Gauge Pickets, Add For 3" Square Posts, Add	82.66 10.73 5.37 -5.37 -10.73 6.01 10.49 16.42 11.75 4.02 13.42 6.71	14.80

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 31 19 00-0035	LF	3'-6" Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	88.56	15.81
		For Verticals Up To 2" On Center, Add	11.39	
		For Verticals >2" To 2-1/2" On Center, Add	5.69	
		For Verticals >3" To 4" On Center, Deduct	-5.69	
		For Verticals >4" To 6" On Center, Deduct	-11.39	
		For Pickets Extending Above Top Rail, Add	6.42	
		For Curved Pickets Extending Above Top Rail, Add	11.20	
		For Solid Pickets, Add	17.55	
		For Aluminum With Satin Finish, Add	12.33	
		For Third Rail, Add	4.27	
		For 1" Square x 14 Gauge Pickets, Add	14.23	
		For 3" Square Posts, Add	7.12	
32 31 19 00-0036	LF	4' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	93.87	17.48
		For Verticals Up To 2" On Center, Add	11.92	
		For Verticals >2" To 2-1/2" On Center, Add	5.96	
		For Verticals >3" To 4" On Center, Deduct	-5.96	
		For Verticals >4" To 6" On Center, Deduct	-11.92	
		For Pickets Extending Above Top Rail, Add	6.78	
		For Curved Pickets Extending Above Top Rail, Add	11.81	
		For Solid Pickets, Add	18.55	
		For Aluminum With Satin Finish, Add	12.74	
		For Third Rail, Add	4.47	
		For 1" Square x 14 Gauge Pickets, Add	14.90	
		For 3" Square Posts, Add	7.45	
32 31 19 00-0037	LF	5' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	100.64	19.64
		For Verticals Up To 2" On Center, Add	12.22	
		For Verticals >2" To 2-1/2" On Center, Add	6.11	
		For Verticals >3" To 4" On Center, Deduct	-6.11	
		For Verticals >4" To 6" On Center, Deduct	-12.22	
		For Pickets Extending Above Top Rail, Add	7.17	
		For Curved Pickets Extending Above Top Rail, Add	12.44	
		For Solid Pickets, Add	19.68	
		For Aluminum With Satin Finish, Add	12.39	
		For Third Rail, Add	4.58	
		For 1" Square x 14 Gauge Pickets, Add	15.27	
		For 3" Square Posts, Add	7.64	
32 31 19 00-0038	LF	6' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 2-1/2" Square Posts .....	116.39	22.19
		For Verticals Up To 2" On Center, Add	14.40	
		For Verticals >2" To 2-1/2" On Center, Add	7.20	
		For Verticals >3" To 4" On Center, Deduct	-7.20	
		For Verticals >4" To 6" On Center, Deduct	-14.40	
		For Pickets Extending Above Top Rail, Add	8.34	
		For Curved Pickets Extending Above Top Rail, Add	14.49	
		For Solid Pickets, Add	22.86	
		For Aluminum With Satin Finish, Add	14.95	
		For Third Rail, Add	5.40	
		For 1" Square x 14 Gauge Pickets, Add	18.00	
		For 3" Square Posts, Add	9.00	
32 31 19 00-0039	LF	7' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts .....	132.77	24.21
		For Verticals Up To 2" On Center, Add	16.87	
		For Verticals >2" To 2-1/2" On Center, Add	8.44	
		For Verticals >3" To 4" On Center, Deduct	-8.44	
		For Verticals >4" To 6" On Center, Deduct	-16.87	
		For Pickets Extending Above Top Rail, Add	9.59	
		For Curved Pickets Extending Above Top Rail, Add	16.71	
		For Solid Pickets, Add	26.24	
		For Aluminum With Satin Finish, Add	18.05	
		For Third Rail, Add	6.33	
		For 1" Square x 14 Gauge Pickets, Add	21.09	
		For 4" Square Posts, Add	29.53	
32 31 19 00-0040	LF	8' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts .....	149.44	26.36
		For Verticals Up To 2" On Center, Add	19.34	
		For Verticals >2" To 2-1/2" On Center, Add	9.67	
		For Verticals >3" To 4" On Center, Deduct	-9.67	
		For Verticals >4" To 6" On Center, Deduct	-19.34	
		For Pickets Extending Above Top Rail, Add	10.86	
		For Curved Pickets Extending Above Top Rail, Add	18.95	
		For Solid Pickets, Add	29.67	
		For Aluminum With Satin Finish, Add	21.11	
		For Third Rail, Add	7.25	
		For 1" Square x 14 Gauge Pickets, Add	24.18	
		For 4" Square Posts, Add	33.85	
32 31 19 00-0041	LF	9' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 3" Square Posts .....	172.78	28.24
		For Verticals Up To 2" On Center, Add	23.26	
		For Verticals >2" To 2-1/2" On Center, Add	11.63	
		For Verticals >3" To 4" On Center, Deduct	-11.63	
		For Verticals >4" To 6" On Center, Deduct	-23.26	
		For Pickets Extending Above Top Rail, Add	12.71	
		For Curved Pickets Extending Above Top Rail, Add	22.26	
		For Solid Pickets, Add	34.64	
		For Aluminum With Satin Finish, Add	26.42	
		For Third Rail, Add	8.72	
		For 1" Square x 14 Gauge Pickets, Add	29.08	
		For 4" Square Posts, Add	40.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0042	LF		10' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	196.39	30.26
			For Verticals Up To 2" On Center, Add	27.17	
			For Verticals >2" To 2-1/2" On Center, Add	13.59	
			For Verticals >3" To 4" On Center, Deduct	-13.59	
			For Verticals >4" To 6" On Center, Deduct	-27.17	
			For Pickets Extending Above Top Rail, Add	14.57	
			For Curved Pickets Extending Above Top Rail, Add	25.60	
			For Solid Pickets, Add	39.65	
			For Aluminum With Satin Finish, Add	31.68	
			For Third Rail, Add	10.19	
			For 1" Square x 14 Gauge Pickets, Add	33.97	
			For 6" Square Posts, Add	47.55	
32 31 19 00-0043	LF		12' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	230.52	33.63
			For Verticals Up To 2" On Center, Add	32.66	
			For Verticals >2" To 2-1/2" On Center, Add	16.33	
			For Verticals >3" To 4" On Center, Deduct	-16.33	
			For Verticals >4" To 6" On Center, Deduct	-32.66	
			For Pickets Extending Above Top Rail, Add	17.24	
			For Curved Pickets Extending Above Top Rail, Add	30.35	
			For Solid Pickets, Add	46.82	
			For Aluminum With Satin Finish, Add	38.90	
			For Third Rail, Add	12.25	
			For 1" Square x 14 Gauge Pickets, Add	40.82	
			For 6" Square Posts, Add	57.15	
32 31 19 00-0044	LF		14' Steel Tube Fence, Verticals At >2-1/2" To 3" On Center With 4" Square Posts.....	247.06	36.31
			For Verticals Up To 2" On Center, Add	34.89	
			For Verticals >2" To 2-1/2" On Center, Add	17.44	
			For Verticals >3" To 4" On Center, Deduct	-17.44	
			For Verticals >4" To 6" On Center, Deduct	-34.89	
			For Pickets Extending Above Top Rail, Add	18.46	
			For Curved Pickets Extending Above Top Rail, Add	32.48	
			For Solid Pickets, Add	50.14	
			For Aluminum With Satin Finish, Add	41.43	
			For Third Rail, Add	13.08	
			For 1" Square x 14 Gauge Pickets, Add	43.61	
			For 6" Square Posts, Add	61.05	
32 31 19 00-0045			<b>Steel Tube Swing Gates</b> (32 31 19 00-0032)		
32 31 19 00-0046			<b>3' Fence Height Steel Tube Swing Gates, 2 Rail</b> (32 31 19 00-0045)		
32 31 19 00-0047	EA		3' Wide x 3' High Steel Tube Single Swing Gate .....	744.07	28.65
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	160.96	
			For Aluminum With Satin Finish, Add	184.49	
			For Third Rail, Add	49.35	
			For 1" Square x 14 Gauge Pickets, Add	65.80	
32 31 19 00-0048	EA		3'-6" Wide x 3' High Steel Tube Single Swing Gate .....	826.57	29.99
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	179.22	
			For Aluminum With Satin Finish, Add	207.42	
			For Third Rail, Add	55.23	
			For 1" Square x 14 Gauge Pickets, Add	73.65	
32 31 19 00-0049	EA		4' Wide x 3' High Steel Tube Single Swing Gate .....	913.97	31.74
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	198.48	
			For Aluminum With Satin Finish, Add	231.23	
			For Third Rail, Add	61.39	
			For 1" Square x 14 Gauge Pickets, Add	81.85	
32 31 19 00-0050	EA		5' Wide x 3' High Steel Tube Single Swing Gate .....	961.71	34.03
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	208.72	
			For Aluminum With Satin Finish, Add	242.52	
			For Third Rail, Add	64.46	
			For 1" Square x 14 Gauge Pickets, Add	85.95	
32 31 19 00-0051	EA		6' Wide x 3' High Steel Tube Single Swing Gate .....	1,076.39	40.75
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	233.01	
			For Aluminum With Satin Finish, Add	267.85	
			For Third Rail, Add	71.55	
			For 1" Square x 14 Gauge Pickets, Add	95.40	
32 31 19 00-0052	EA		7' Wide x 3' High Steel Tube Single Swing Gate .....	1,148.28	47.47
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	247.67	
			For Aluminum With Satin Finish, Add	280.33	
			For Third Rail, Add	75.43	
			For 1" Square x 14 Gauge Pickets, Add	100.57	
32 31 19 00-0053	EA		8' Wide x 3' High Steel Tube Single Swing Gate .....	1,255.40	54.61
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	270.16	
			For Aluminum With Satin Finish, Add	302.78	
			For Third Rail, Add	81.85	
			For 1" Square x 14 Gauge Pickets, Add	109.13	
32 31 19 00-0054	EA		9' Wide x 3' High Steel Tube Single Swing Gate .....	1,348.68	61.32
			Note: Includes mounting hardware and associated trim.		
			For Solid Pickets, Add	289.63	
			For Aluminum With Satin Finish, Add	321.69	
			For Third Rail, Add	87.33	
			For 1" Square x 14 Gauge Pickets, Add	116.44	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 31 19 00-0055	EA 10' Wide x 3' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,431.26	68.05
	<i>For Solid Pickets, Add</i>	306.70	
	<i>For Aluminum With Satin Finish, Add</i>	337.39	
	<i>For Third Rail, Add</i>	92.01	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	122.68	
32 31 19 00-0056	EA 6' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,553.95	57.29
	<i>For Solid Pickets, Add</i>	336.73	
	<i>For Aluminum With Satin Finish, Add</i>	388.72	
	<i>For Third Rail, Add</i>	103.64	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	138.18	
32 31 19 00-0057	EA 7' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,654.93	59.98
	<i>For Solid Pickets, Add</i>	358.84	
	<i>For Aluminum With Satin Finish, Add</i>	415.38	
	<i>For Third Rail, Add</i>	110.60	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	147.47	
32 31 19 00-0058	EA 8' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,827.96	63.62
	<i>For Solid Pickets, Add</i>	396.97	
	<i>For Aluminum With Satin Finish, Add</i>	462.45	
	<i>For Third Rail, Add</i>	122.77	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.70	
32 31 19 00-0059	EA 9' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,914.93	65.90
	<i>For Solid Pickets, Add</i>	416.03	
	<i>For Aluminum With Satin Finish, Add</i>	485.51	
	<i>For Third Rail, Add</i>	128.79	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	171.72	
32 31 19 00-0060	EA 10' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,985.84	68.05
	<i>For Solid Pickets, Add</i>	431.48	
	<i>For Aluminum With Satin Finish, Add</i>	503.76	
	<i>For Third Rail, Add</i>	133.61	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	178.14	
32 31 19 00-0061	EA 12' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,238.40	81.50
	<i>For Solid Pickets, Add</i>	485.28	
	<i>For Aluminum With Satin Finish, Add</i>	561.37	
	<i>For Third Rail, Add</i>	149.52	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.36	
32 31 19 00-0062	EA 14' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,457.06	94.95
	<i>For Solid Pickets, Add</i>	531.45	
	<i>For Aluminum With Satin Finish, Add</i>	608.81	
	<i>For Third Rail, Add</i>	162.90	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	217.19	
32 31 19 00-0063	EA 16' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,642.75	109.34
	<i>For Solid Pickets, Add</i>	570.01	
	<i>For Aluminum With Satin Finish, Add</i>	645.15	
	<i>For Third Rail, Add</i>	173.59	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	231.46	
32 31 19 00-0064	EA 18' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,799.00	122.66
	<i>For Solid Pickets, Add</i>	602.14	
	<i>For Aluminum With Satin Finish, Add</i>	673.88	
	<i>For Third Rail, Add</i>	182.29	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	243.05	
32 31 19 00-0065	EA 20' Wide x 3' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,928.51	136.10
	<i>For Solid Pickets, Add</i>	628.25	
	<i>For Aluminum With Satin Finish, Add</i>	694.57	
	<i>For Third Rail, Add</i>	188.97	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	251.97	
32 31 19 00-0066	4' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)		
32 31 19 00-0067	EA 3' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	857.56	26.90
	<i>For Solid Pickets, Add</i>	186.14	
	<i>For Aluminum With Satin Finish, Add</i>	216.42	
	<i>For Third Rail, Add</i>	57.51	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	76.68	
32 31 19 00-0068	EA 3'-6" Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	926.89	31.33
	<i>For Solid Pickets, Add</i>	201.49	
	<i>For Aluminum With Satin Finish, Add</i>	235.70	
	<i>For Third Rail, Add</i>	62.46	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	83.28	
32 31 19 00-0069	EA 4' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	999.60	33.63
	<i>For Solid Pickets, Add</i>	217.34	
	<i>For Aluminum With Satin Finish, Add</i>	254.49	
	<i>For Third Rail, Add</i>	67.40	
	<i>For 1" Square x 14 Gauge Pickets, Add</i>	89.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0070	EA		5' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,059.83	35.78
			<i>For Solid Pickets, Add</i>	230.39	
			<i>For Aluminum With Satin Finish, Add</i>	269.53	
			<i>For Third Rail, Add</i>	71.42	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	95.22	
32 31 19 00-0071	EA		6' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,145.53	43.04
			<i>For Solid Pickets, Add</i>	248.06	
			<i>For Aluminum With Satin Finish, Add</i>	285.56	
			<i>For Third Rail, Add</i>	76.23	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	101.64	
32 31 19 00-0072	EA		7' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,259.78	50.16
			<i>For Solid Pickets, Add</i>	272.15	
			<i>For Aluminum With Satin Finish, Add</i>	310.15	
			<i>For Third Rail, Add</i>	83.19	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	110.92	
32 31 19 00-0073	EA		8' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,415.04	57.29
			<i>For Solid Pickets, Add</i>	305.47	
			<i>For Aluminum With Satin Finish, Add</i>	347.04	
			<i>For Third Rail, Add</i>	93.22	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	124.29	
32 31 19 00-0074	EA		9' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,566.73	64.56
			<i>For Solid Pickets, Add</i>	337.99	
			<i>For Aluminum With Satin Finish, Add</i>	382.87	
			<i>For Third Rail, Add</i>	102.98	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	137.31	
32 31 19 00-0075	EA		10' Wide x 4' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,711.28	71.69
			<i>For Solid Pickets, Add</i>	368.90	
			<i>For Aluminum With Satin Finish, Add</i>	416.55	
			<i>For Third Rail, Add</i>	112.21	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.61	
32 31 19 00-0076	EA		6' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,715.11	60.52
			<i>For Solid Pickets, Add</i>	372.28	
			<i>For Aluminum With Satin Finish, Add</i>	432.83	
			<i>For Third Rail, Add</i>	115.02	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	153.36	
32 31 19 00-0077	EA		7' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,853.79	62.68
			<i>For Solid Pickets, Add</i>	402.98	
			<i>For Aluminum With Satin Finish, Add</i>	471.41	
			<i>For Third Rail, Add</i>	124.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	166.55	
32 31 19 00-0078	EA		8' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,999.21	67.24
			<i>For Solid Pickets, Add</i>	434.69	
			<i>For Aluminum With Satin Finish, Add</i>	508.98	
			<i>For Third Rail, Add</i>	134.61	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	179.75	
32 31 19 00-0079	EA		9' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,112.92	69.39
			<i>For Solid Pickets, Add</i>	459.77	
			<i>For Aluminum With Satin Finish, Add</i>	540.07	
			<i>For Third Rail, Add</i>	142.83	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	190.45	
32 31 19 00-0080	EA		10' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,208.80	71.69
			<i>For Solid Pickets, Add</i>	480.84	
			<i>For Aluminum With Satin Finish, Add</i>	565.81	
			<i>For Third Rail, Add</i>	149.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.36	
32 31 19 00-0081	EA		12' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,510.40	85.94
			<i>For Solid Pickets, Add</i>	545.47	
			<i>For Aluminum With Satin Finish, Add</i>	636.92	
			<i>For Third Rail, Add</i>	168.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	225.22	
32 31 19 00-0082	EA		14' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,776.34	100.33
			<i>For Solid Pickets, Add</i>	602.08	
			<i>For Aluminum With Satin Finish, Add</i>	697.34	
			<i>For Third Rail, Add</i>	185.63	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	247.51	
32 31 19 00-0083	EA		16' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,008.39	114.59
			<i>For Solid Pickets, Add</i>	651.07	
			<i>For Aluminum With Satin Finish, Add</i>	747.59	
			<i>For Third Rail, Add</i>	199.81	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	266.41	
32 31 19 00-0084	EA		18' Wide x 4' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,210.14	128.98
			<i>For Solid Pickets, Add</i>	693.23	
			<i>For Aluminum With Satin Finish, Add</i>	788.74	
			<i>For Third Rail, Add</i>	211.71	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	282.28	

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 19 00-0085	EA	20' Wide x 4' High Steel Tube Double Swing Gate .....	3,383.35	143.36
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	728.98	
		For Aluminum With Satin Finish, Add	821.34	
		For Third Rail, Add	221.47	
		For 1" Square x 14 Gauge Pickets, Add	295.30	
<b>32 31 19 00-0086</b>		<b>5' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31 19 00-0087	EA	3' Wide x 5' High Steel Tube Single Swing Gate .....	932.24	31.33
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	202.69	
		For Aluminum With Satin Finish, Add	237.31	
		For Third Rail, Add	62.86	
		For 1" Square x 14 Gauge Pickets, Add	83.81	
32 31 19 00-0088	EA	3'-6" Wide x 5' High Steel Tube Single Swing Gate .....	983.55	33.63
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	213.73	
		For Aluminum With Satin Finish, Add	249.67	
		For Third Rail, Add	66.20	
		For 1" Square x 14 Gauge Pickets, Add	88.27	
32 31 19 00-0089	EA	4' Wide x 5' High Steel Tube Single Swing Gate .....	1,033.08	35.78
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	224.37	
		For Aluminum With Satin Finish, Add	261.50	
		For Third Rail, Add	69.41	
		For 1" Square x 14 Gauge Pickets, Add	92.55	
32 31 19 00-0090	EA	5' Wide x 5' High Steel Tube Single Swing Gate .....	1,103.99	38.06
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	239.82	
		For Aluminum With Satin Finish, Add	279.76	
		For Third Rail, Add	74.23	
		For 1" Square x 14 Gauge Pickets, Add	98.97	
32 31 19 00-0091	EA	6' Wide x 5' High Steel Tube Single Swing Gate .....	1,203.53	45.73
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	260.51	
		For Aluminum With Satin Finish, Add	299.33	
		For Third Rail, Add	79.98	
		For 1" Square x 14 Gauge Pickets, Add	106.64	
32 31 19 00-0092	EA	7' Wide x 5' High Steel Tube Single Swing Gate .....	1,333.39	53.26
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	288.01	
		For Aluminum With Satin Finish, Add	328.00	
		For Third Rail, Add	88.00	
		For 1" Square x 14 Gauge Pickets, Add	117.34	
32 31 19 00-0093	EA	8' Wide x 5' High Steel Tube Single Swing Gate .....	1,512.74	61.32
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	326.55	
		For Aluminum With Satin Finish, Add	370.91	
		For Third Rail, Add	99.64	
		For 1" Square x 14 Gauge Pickets, Add	132.85	
32 31 19 00-0094	EA	9' Wide x 5' High Steel Tube Single Swing Gate .....	1,687.17	68.99
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	364.08	
		For Aluminum With Satin Finish, Add	412.95	
		For Third Rail, Add	111.00	
		For 1" Square x 14 Gauge Pickets, Add	148.01	
32 31 19 00-0095	EA	10' Wide x 5' High Steel Tube Single Swing Gate .....	1,858.04	76.52
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	400.81	
		For Aluminum With Satin Finish, Add	453.92	
		For Third Rail, Add	122.10	
		For 1" Square x 14 Gauge Pickets, Add	162.81	
32 31 19 00-0096	EA	6' Wide x 5' High Steel Tube Double Swing Gate .....	1,827.11	52.86
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	399.78	
		For Aluminum With Satin Finish, Add	480.23	
		For Third Rail, Add	125.72	
		For 1" Square x 14 Gauge Pickets, Add	167.62	
32 31 19 00-0097	EA	7' Wide x 5' High Steel Tube Double Swing Gate .....	1,939.63	61.60
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	423.21	
		For Aluminum With Satin Finish, Add	502.67	
		For Third Rail, Add	132.27	
		For 1" Square x 14 Gauge Pickets, Add	176.36	
32 31 19 00-0098	EA	8' Wide x 5' High Steel Tube Double Swing Gate .....	2,053.64	70.88
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	446.87	
		For Aluminum With Satin Finish, Add	524.89	
		For Third Rail, Add	138.82	
		For 1" Square x 14 Gauge Pickets, Add	185.10	
32 31 19 00-0099	EA	9' Wide x 5' High Steel Tube Double Swing Gate .....	2,207.18	79.76
		Note: Includes mounting hardware and associated trim.		
		For Solid Pickets, Add	479.53	
		For Aluminum With Satin Finish, Add	559.63	
		For Third Rail, Add	148.45	
		For 1" Square x 14 Gauge Pickets, Add	197.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0100	EA		10' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,342.89 508.18 589.03 156.74 208.99	88.49
32 31 19 00-0101	EA		12' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,665.23 578.60 673.08 178.81 238.41	98.44
32 31 19 00-0102	EA		14' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,956.64 641.83 746.52 198.34 264.45	109.20
32 31 19 00-0103	EA		16' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,218.92 698.29 809.90 215.46 287.27	121.17
32 31 19 00-0104	EA		18' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,457.09 749.00 864.04 230.43 307.25	134.63
32 31 19 00-0105	EA		20' Wide x 5' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,671.18 793.95 908.96 243.27 324.36	149.69
<b>32 31 19 00-0106</b>			<b>6' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)</b>		
32 31 19 00-0107	EA		3' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	971.97 210.93 244.99 65.13 86.84	34.43
32 31 19 00-0108	EA		3'-6" Wide x 6' High Steel Tube Single Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,021.94 221.77 257.56 68.48 91.30	36.31
32 31 19 00-0109	EA		4' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,072.85 232.75 269.98 71.82 95.76	38.33
32 31 19 00-0110	EA		5' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,135.25 246.25 285.50 75.96 101.29	40.75
32 31 19 00-0111	EA		6' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,276.71 276.16 316.44 84.66 112.88	49.22
32 31 19 00-0112	EA		7' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,427.07 308.08 350.06 94.02 125.36	57.83
32 31 19 00-0113	EA		8' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,593.95 343.81 389.22 104.72 139.63	65.90
32 31 19 00-0114	EA		9' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	1,755.03 378.14 426.04 114.88 153.18	74.37

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

32 31 19 00-0115	EA	10' Wide x 6' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,949.97	82.85
		<i>For Solid Pickets, Add</i>	420.08	
		<i>For Aluminum With Satin Finish, Add</i>	473.03	
		<i>For Third Rail, Add</i>	127.59	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	170.12	
32 31 19 00-0116	EA	6' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,899.58	57.02
		<i>For Solid Pickets, Add</i>	415.20	
		<i>For Aluminum With Satin Finish, Add</i>	496.64	
		<i>For Third Rail, Add</i>	130.26	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	173.68	
32 31 19 00-0117	EA	7' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,016.84	66.84
		<i>For Solid Pickets, Add</i>	439.48	
		<i>For Aluminum With Satin Finish, Add</i>	519.17	
		<i>For Third Rail, Add</i>	136.95	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	182.60	
32 31 19 00-0118	EA	8' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,132.63	76.12
		<i>For Solid Pickets, Add</i>	463.53	
		<i>For Aluminum With Satin Finish, Add</i>	541.93	
		<i>For Third Rail, Add</i>	143.64	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	191.52	
32 31 19 00-0119	EA	9' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,271.30	85.94
		<i>For Solid Pickets, Add</i>	492.62	
		<i>For Aluminum With Satin Finish, Add</i>	570.88	
		<i>For Third Rail, Add</i>	151.93	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	202.57	
32 31 19 00-0120	EA	10' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,484.86	95.76
		<i>For Solid Pickets, Add</i>	538.57	
		<i>For Aluminum With Satin Finish, Add</i>	622.30	
		<i>For Third Rail, Add</i>	165.84	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	221.12	
32 31 19 00-0121	EA	12' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,910.02	106.66
		<i>For Solid Pickets, Add</i>	631.90	
		<i>For Aluminum With Satin Finish, Add</i>	735.86	
		<i>For Third Rail, Add</i>	195.39	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	260.53	
32 31 19 00-0122	EA	14' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,052.51	119.16
		<i>For Solid Pickets, Add</i>	661.30	
		<i>For Aluminum With Satin Finish, Add</i>	762.64	
		<i>For Third Rail, Add</i>	203.42	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	271.23	
32 31 19 00-0123	EA	16' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,353.10	132.61
		<i>For Solid Pickets, Add</i>	726.04	
		<i>For Aluminum With Satin Finish, Add</i>	835.51	
		<i>For Third Rail, Add</i>	223.08	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	297.44	
32 31 19 00-0124	EA	18' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,631.38	147.53
		<i>For Solid Pickets, Add</i>	785.44	
		<i>For Aluminum With Satin Finish, Add</i>	899.69	
		<i>For Third Rail, Add</i>	240.73	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	320.98	
32 31 19 00-0125	EA	20' Wide x 6' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,892.41	164.62
		<i>For Solid Pickets, Add</i>	840.51	
		<i>For Aluminum With Satin Finish, Add</i>	956.02	
		<i>For Third Rail, Add</i>	256.65	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	342.20	

**32 31 19 00-0126 7' Fence Height Steel Tube Swing Gates, 2 Rail (32 31 19 00-0045)**

32 31 19 00-0127	EA	3' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,030.38	37.25
		<i>For Solid Pickets, Add</i>	223.43	
		<i>For Aluminum With Satin Finish, Add</i>	258.70	
		<i>For Third Rail, Add</i>	68.88	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	91.84	
32 31 19 00-0128	EA	3'-6" Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,082.66	39.27
		<i>For Solid Pickets, Add</i>	234.75	
		<i>For Aluminum With Satin Finish, Add</i>	271.72	
		<i>For Third Rail, Add</i>	72.35	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	96.47	
32 31 19 00-0129	EA	4' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,135.21	41.29
		<i>For Solid Pickets, Add</i>	246.11	
		<i>For Aluminum With Satin Finish, Add</i>	284.70	
		<i>For Third Rail, Add</i>	75.83	
		<i>For 1" Square x 14 Gauge Pickets, Add</i>	101.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0130	EA		5' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,187.89	43.44
			<i>For Solid Pickets, Add</i>	257.49	
			<i>For Aluminum With Satin Finish, Add</i>	297.66	
			<i>For Third Rail, Add</i>	79.31	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	105.74	
32 31 19 00-0131	EA		6' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,376.63	52.86
			<i>For Solid Pickets, Add</i>	297.84	
			<i>For Aluminum With Satin Finish, Add</i>	341.57	
			<i>For Third Rail, Add</i>	91.34	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	121.79	
32 31 19 00-0132	EA		7' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,549.74	61.87
			<i>For Solid Pickets, Add</i>	334.77	
			<i>For Aluminum With Satin Finish, Add</i>	381.41	
			<i>For Third Rail, Add</i>	102.31	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	136.42	
32 31 19 00-0133	EA		8' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,677.85	71.14
			<i>For Solid Pickets, Add</i>	361.48	
			<i>For Aluminum With Satin Finish, Add</i>	407.13	
			<i>For Third Rail, Add</i>	109.80	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	146.40	
32 31 19 00-0134	EA		9' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,822.44	80.16
			<i>For Solid Pickets, Add</i>	391.99	
			<i>For Aluminum With Satin Finish, Add</i>	438.40	
			<i>For Third Rail, Add</i>	118.63	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	158.17	
32 31 19 00-0135	EA		10' Wide x 7' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,998.68	89.58
			<i>For Solid Pickets, Add</i>	429.53	
			<i>For Aluminum With Satin Finish, Add</i>	478.56	
			<i>For Third Rail, Add</i>	129.73	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.97	
32 31 19 00-0136	EA		6' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,011.26	61.06
			<i>For Solid Pickets, Add</i>	439.44	
			<i>For Aluminum With Satin Finish, Add</i>	524.83	
			<i>For Third Rail, Add</i>	137.75	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	183.67	
32 31 19 00-0137	EA		7' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,133.58	71.41
			<i>For Solid Pickets, Add</i>	464.74	
			<i>For Aluminum With Satin Finish, Add</i>	548.20	
			<i>For Third Rail, Add</i>	144.71	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	192.94	
32 31 19 00-0138	EA		8' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,257.37	82.31
			<i>For Solid Pickets, Add</i>	490.27	
			<i>For Aluminum With Satin Finish, Add</i>	571.36	
			<i>For Third Rail, Add</i>	151.66	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	202.22	
32 31 19 00-0139	EA		9' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,381.48	92.67
			<i>For Solid Pickets, Add</i>	515.97	
			<i>For Aluminum With Satin Finish, Add</i>	595.28	
			<i>For Third Rail, Add</i>	158.75	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	211.67	
32 31 19 00-0140	EA		10' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,681.80	103.55
			<i>For Solid Pickets, Add</i>	581.21	
			<i>For Aluminum With Satin Finish, Add</i>	671.39	
			<i>For Third Rail, Add</i>	178.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	238.59	
32 31 19 00-0141	EA		12' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,234.74	115.52
			<i>For Solid Pickets, Add</i>	703.07	
			<i>For Aluminum With Satin Finish, Add</i>	821.96	
			<i>For Third Rail, Add</i>	217.86	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	290.48	
32 31 19 00-0142	EA		14' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,210.49	129.51
			<i>For Solid Pickets, Add</i>	694.62	
			<i>For Aluminum With Satin Finish, Add</i>	796.71	
			<i>For Third Rail, Add</i>	213.05	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	284.06	
32 31 19 00-0143	EA		16' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,481.64	144.44
			<i>For Solid Pickets, Add</i>	752.41	
			<i>For Aluminum With Satin Finish, Add</i>	858.75	
			<i>For Third Rail, Add</i>	230.17	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	306.89	
32 31 19 00-0144	EA		18' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	3,805.07	161.52
			<i>For Solid Pickets, Add</i>	821.52	
			<i>For Aluminum With Satin Finish, Add</i>	933.81	
			<i>For Third Rail, Add</i>	250.76	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	334.35	



**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31	19 00-0145	EA	20' Wide x 7' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	4,024.17	180.22
			<i>For Solid Pickets, Add</i>	866.83	
			<i>For Aluminum With Satin Finish, Add</i>	975.58	
			<i>For Third Rail, Add</i>	263.20	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	350.93	
<b>32 31</b>	<b>19 00-0146</b>		<b>8' Fence Height Steel Tube Swing Gates, 2 Rail</b> <small>(32 31 19 00-0045)</small>		
32 31	19 00-0147	EA	3' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,119.63	40.34
			<i>For Solid Pickets, Add</i>	242.84	
			<i>For Aluminum With Satin Finish, Add</i>	281.42	
			<i>For Third Rail, Add</i>	74.89	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	99.86	
32 31	19 00-0148	EA	3'-6" Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,174.51	42.49
			<i>For Solid Pickets, Add</i>	254.68	
			<i>For Aluminum With Satin Finish, Add</i>	294.86	
			<i>For Third Rail, Add</i>	78.51	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	104.67	
32 31	19 00-0149	EA	4' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,232.94	44.79
			<i>For Solid Pickets, Add</i>	267.32	
			<i>For Aluminum With Satin Finish, Add</i>	309.36	
			<i>For Third Rail, Add</i>	82.38	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	109.85	
32 31	19 00-0150	EA	5' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,287.64	49.90
			<i>For Solid Pickets, Add</i>	278.47	
			<i>For Aluminum With Satin Finish, Add</i>	318.81	
			<i>For Third Rail, Add</i>	85.33	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	113.77	
32 31	19 00-0151	EA	6' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,521.12	56.48
			<i>For Solid Pickets, Add</i>	329.54	
			<i>For Aluminum With Satin Finish, Add</i>	380.08	
			<i>For Third Rail, Add</i>	101.38	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	135.17	
32 31	19 00-0152	EA	7' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,696.96	68.05
			<i>For Solid Pickets, Add</i>	366.48	
			<i>For Aluminum With Satin Finish, Add</i>	417.10	
			<i>For Third Rail, Add</i>	111.94	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	149.25	
32 31	19 00-0153	EA	8' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,778.73	79.21
			<i>For Solid Pickets, Add</i>	382.36	
			<i>For Aluminum With Satin Finish, Add</i>	426.50	
			<i>For Third Rail, Add</i>	115.55	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	154.07	
32 31	19 00-0154	EA	9' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	1,911.78	90.92
			<i>For Solid Pickets, Add</i>	409.67	
			<i>For Aluminum With Satin Finish, Add</i>	450.68	
			<i>For Third Rail, Add</i>	122.91	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	163.88	
32 31	19 00-0155	EA	10' Wide x 8' High Steel Tube Single Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,028.76	102.62
			<i>For Solid Pickets, Add</i>	433.37	
			<i>For Aluminum With Satin Finish, Add</i>	470.04	
			<i>For Third Rail, Add</i>	129.06	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	172.08	
32 31	19 00-0156	EA	6' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,185.37	65.23
			<i>For Solid Pickets, Add</i>	477.73	
			<i>For Aluminum With Satin Finish, Add</i>	571.73	
			<i>For Third Rail, Add</i>	149.92	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	199.90	
32 31	19 00-0157	EA	7' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,323.70	78.68
			<i>For Solid Pickets, Add</i>	505.97	
			<i>For Aluminum With Satin Finish, Add</i>	595.92	
			<i>For Third Rail, Add</i>	157.41	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	209.88	
32 31	19 00-0158	EA	8' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,458.76	91.59
			<i>For Solid Pickets, Add</i>	533.58	
			<i>For Aluminum With Satin Finish, Add</i>	619.79	
			<i>For Third Rail, Add</i>	164.77	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	219.69	
32 31	19 00-0159	EA	9' Wide x 8' High Steel Tube Double Swing Gate ..... Note: Includes mounting hardware and associated trim.	2,573.90	105.17
			<i>For Solid Pickets, Add</i>	556.60	
			<i>For Aluminum With Satin Finish, Add</i>	637.03	
			<i>For Third Rail, Add</i>	170.52	
			<i>For 1" Square x 14 Gauge Pickets, Add</i>	227.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 19 00-0160	EA		10' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	2,988.63 647.03 744.13 198.74 264.98	118.63
32 31 19 00-0161	EA		12' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,714.48 807.13 942.59 249.96 333.28	133.54
32 31 19 00-0162	EA		14' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,417.36 736.62 831.48 224.01 298.69	150.63
32 31 19 00-0163	EA		16' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	3,666.17 788.38 880.83 238.46 317.95	170.40
32 31 19 00-0164	EA		18' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	4,043.93 868.72 966.19 262.13 349.51	192.05
32 31 19 00-0165	EA		20' Wide x 8' High Steel Tube Double Swing Gate..... Note: Includes mounting hardware and associated trim. <i>For Solid Pickets, Add</i> <i>For Aluminum With Satin Finish, Add</i> <i>For Third Rail, Add</i> <i>For 1" Square x 14 Gauge Pickets, Add</i>	4,141.99 885.57 964.32 264.27 352.36	216.39
<b>32 31 19 00-0166</b>	<b>Replace Steel Tube Fence Pickets (32 31 19 00-0032)</b>				
32 31 19 00-0167	LF		Removal And Replacement Of 3/4" Square x 16 Gauge Steel Tube Fence Picket ..... <i>For 1" Square x 14 Gauge Pickets, Add</i>	36.06 0.92	
<b>32 31 19 00-0168</b>	<b>Removal And Reinstallation Of Ornamental Fences (32 31 19)</b>				
			Note: Including storage and cleaning. Excludes augering and concrete.		
32 31 19 00-0169	LF		Removal And Reinstallation Of Ornamental Fence Up To 5' Height.....	60.52	
32 31 19 00-0170	LF		Removal And Reinstallation Of Ornamental Fence, 6' Height .....	66.58	
32 31 19 00-0171	LF		Removal And Reinstallation Of Ornamental Fence, 7' Height .....	72.63	
32 31 19 00-0172	LF		Removal And Reinstallation Of Ornamental Fence, 8' Height .....	78.68	
32 31 19 00-0173	LF		Removal And Reinstallation Of Ornamental Fence, 9' Height .....	84.73	
32 31 19 00-0174	LF		Removal And Reinstallation Of Ornamental Fence, 10' Height .....	90.78	
32 31 19 00-0175	LF		Removal And Reinstallation Of Ornamental Fence 12' Height .....	100.87	
<b>32 31 26</b>	<b>Wire Fences and Gates (32 31)</b>				
<b>32 31 26 13</b>	<b>Wire Fences with Steel Posts (32 31 26)</b>				
<b>32 31 26 13-0001</b>	<b>Chicken Wire (32 31 26 13)</b>				
			Note: Posts at 4'.		
32 31 26 13-0002	LF		4' High, 1" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	10.92	2.47
32 31 26 13-0003	LF		6' High, 2" Mesh, Chicken Wire Fence, Metal Posts At 4'.....	12.07	2.47
<b>32 31 26 13-0004</b>	<b>Wire And Screen (32 31 26 13)</b>				
<b>32 31 26 13-0005</b>	<b>Screen For Partitions And Ceilings (32 31 26 13-0004)</b>				
			Note: Can be used to support insulation on walls and ceilings.		
32 31 26 13-0006	SF		1" Mesh Chicken Wire .....	2.68	0.77
<b>32 31 26 13-0007</b>	<b>Wicket Fence (32 31 26 13)</b>				
32 31 26 13-0008	LF		Steel Wicket Fence, Painted.....	99.45	8.88
<b>32 31 29</b>	<b>Wood Fences and Gates (32 31)</b>				
			See CSI section 32 31 13 13-0001 for drilling for augering holes and backfill.		
<b>32 31 29 00-0001</b>	<b>Open Rail Fence (32 31 29)</b>				
<b>32 31 29 00-0002</b>	<b>Post And Rail Fence, Ranch Style (32 31 29 00-0001)</b>				
32 31 29 00-0003	LF		Post And Rail Fence, 2 Rails, 3' High #1 Cedar .....	34.09	4.95
32 31 29 00-0004	LF		Post And Rail Fence, 2 Rails, 3' High #2 Cedar .....	27.78	4.95
32 31 29 00-0005	LF		Post And Rail Fence, 3 Rails, 4' High #1 Cedar .....	39.76	4.95
32 31 29 00-0006	LF		Post And Rail Fence, 3 Rails, 4' High #2 Cedar .....	29.92	4.95
<b>32 31 29 00-0007</b>	<b>Split Rail Fence (32 31 29 00-0001)</b>				
32 31 29 00-0008	LF		Split Rail Fence, 2 Rails, 3' High #1 Cedar .....	32.47	4.95

**32 Exterior Improvements****32 30 Site Improvements****32 31 Fences and Gates**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
32 31 29 00-0009	LF	Split Rail Fence, 2 Rails, 3' High #2 Cedar.....	27.71	4.95
32 31 29 00-0010	LF	Split Rail Fence, 3 Rail, 4' High #1 Cedar.....	36.66	4.95
32 31 29 00-0011	LF	Split Rail Fence, 3 Rail, 4' High #2 Cedar.....	30.84	4.95
<b>32 31 29 00-0012</b>		<b>Picket Fence</b> <small>(32 31 29)</small>		
32 31 29 00-0013	LF	Picket Fence, 2 Rail, 3' High, Pressure Treated.....	38.96	4.95
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.54	
32 31 29 00-0014	LF	Picket Fence, 2 Rail, 3' High #1 Cedar.....	36.79	4.95
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.43	
<b>32 31 29 00-0015</b>		<b>Basket Weave</b> <small>(32 31 29)</small>		
		Note: 3/8" x 4" boards, 4" x 4" post		
32 31 29 00-0016	LF	6' High #1 Cedar Basket Weave Fence 3/8" x 4" Boards, 4" x 4" Post.....	49.82	4.95
		<i>For Fastening With Screws Instead Of Nails, Add</i>	3.01	
32 31 29 00-0017	LF	6' High, Pressure Treated Pine Basket Weave 3/8" x 4" Boards, 4" x 4" Post.....	35.04	4.95
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.30	
<b>32 31 29 00-0018</b>		<b>Board Fence</b> <small>(32 31 29)</small>		
		Note: 1x4" board, 2x4" rail, 4x4" post.		
32 31 29 00-0019	LF	Two 2" x 4" Rails, 3' High 1" x 4" Boards, Preservative Treated Board Fence.....	34.62	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-3.90	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.92	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.30	
32 31 29 00-0020	LF	Two 2" x 4" Rails, 4' High 1" x 4" Boards, Preservative Treated Board Fence.....	38.30	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.23	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.32	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.53	
32 31 29 00-0021	LF	Three 2" x 4" Rails, 5' High 1" x 4" Boards, Preservative Treated Board Fence.....	42.28	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.49	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.60	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.75	
32 31 29 00-0022	LF	Three 2" x 4" Rails, 6' High 1" x 4" Boards, Preservative Treated Board Fence.....	44.97	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.71	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.85	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.91	
32 31 29 00-0023	LF	Three 2" x 4" Rails, 8' High 1" x 4" Boards, Preservative Treated Board Fence.....	47.86	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.94	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	6.11	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	3.08	
32 31 29 00-0024	LF	Two 2" x 4" Rails, 3' High 1" x 4" #2 Grade Western Cedar Board Fence.....	36.61	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-3.98	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.98	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.40	
32 31 29 00-0025	LF	Two 2" x 4" Rails, 4' High 1" x 4" #2 Grade Western Cedar Board Fence.....	39.83	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.29	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.36	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.60	
32 31 29 00-0026	LF	Three 2" x 4" Rails, 5' High 1" x 4" #2 Grade Western Cedar Board Fence.....	42.28	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.49	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.60	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.75	
32 31 29 00-0027	LF	Three 2" x 4" Rails, 6' High 1" x 4" #2 Grade Western Cedar Board Fence.....	44.97	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.71	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.85	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.91	
32 31 29 00-0028	LF	Three 2" x 4" Rails, 8' High 1" x 4" #2 Grade Western Cedar Board Fence.....	47.86	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.94	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	6.11	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	3.08	
32 31 29 00-0029	LF	Two 2" x 4" Rails, 3' High 1" x 4" #1 Grade Cedar Board Fence.....	36.61	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-3.98	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	4.98	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.40	
32 31 29 00-0030	LF	Two 2" x 4" Rails, 4' High 1" x 4" #1 Grade Cedar Board Fence.....	46.62	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.56	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.57	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	2.94	
32 31 29 00-0031	LF	Three 2" x 4" Rails, 5' High 1" x 4" #1 Grade Cedar Board Fence.....	48.79	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-4.75	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	5.79	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	3.08	
32 31 29 00-0032	LF	Three 2" x 4" Rails, 6' High 1" x 4" #1 Grade Cedar Board Fence.....	52.25	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-5.00	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	6.07	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	3.27	
32 31 29 00-0033	LF	Three 2" x 4" Rails, 8' High 1" x 4" #1 Grade Cedar Board Fence.....	55.98	4.95
		<i>For 1" x 6" Boards, Deduct</i>	-5.26	
		<i>For 1" x 3" Boards (Stockade Top), Add</i>	6.35	
		<i>For Fastening With Screws Instead Of Nails, Add</i>	3.49	
32 31 29 00-0034	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 6' High, 5/8" Thick, Unpainted.....	33.08	4.95
32 31 29 00-0035	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 8' High, 5/8" Thick, Unpainted.....	35.20	4.95
32 31 29 00-0036	LF	CDX Plywood Fence, 3 - 2" x 4" Rails, 10' High, 5/8" Thick, Unpainted.....	40.24	4.95
<b>32 31 29 00-0037</b>		<b>Shadow Box</b> <small>(32 31 29)</small>		
		Note: 1x6" board, 2x4" Rail, 4x4" post.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 31 29 00-0038	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 6" Pressure Treated Pine ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	67.11 3.87	4.95
32 31 29 00-0039	LF		Shadow Box, 3 - 2" x 4" Rails, 4' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	83.95 4.81	4.95
32 31 29 00-0040	LF		Shadow Box, 3 - 2" x 4" Rails, 6' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	91.15 5.19	4.95
32 31 29 00-0041	LF		Shadow Box, 3 - 2" x 4" Rails, 8' High 1" x 4" #1 Cedar ..... <i>For Fastening With Screws Instead Of Nails, Add</i>	97.92 5.58	4.95
<b>32 31 29 00-0042</b>			<b>Wood Fence Post Accessories (32 31 29)</b>		
32 31 29 00-0043	EA		3-1/2" x 3-1/2" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	54.52	
32 31 29 00-0044	EA		4" x 4" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	60.28	
32 31 29 00-0045	EA		6" x 6" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	65.89	
32 31 29 00-0046	EA		8" x 8" Copper, Pyramid Slip Over, Wood Fence Post Cap.....	94.54	
<b>32 31 29 00-0047</b>			<b>Wood Gate (32 31 29)</b>		
<b>32 31 29 00-0048</b>			<b>Board Fence Gates, Pressure Treated Wood (32 31 29 00-0047)</b>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (treated lumber).					
32 31 29 00-0049	EA		3' To 5' High x 3' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	513.93	170.83
32 31 29 00-0050	EA		3' To 5' High x 3'-6" Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	565.44	181.08
32 31 29 00-0051	EA		3' To 5' High x 4' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	630.61	198.16
32 31 29 00-0052	EA		3' To 5' High x 5' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	709.68	208.41
32 31 29 00-0053	EA		3' To 5' High x 6' Wide, Pressure Treated Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	788.75	218.66
32 31 29 00-0054	EA		>5' To 8' High x 3' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	657.71	225.49
32 31 29 00-0055	EA		>5' To 8' High x 3'-6" Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	712.66	235.75
32 31 29 00-0056	EA		>5' To 8' High x 4' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	767.61	245.99
32 31 29 00-0057	EA		>5' To 8' High x 5' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	857.03	256.24
32 31 29 00-0058	EA		>5' To 8' High x 6' Wide, Pressure Treated Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	929.20	266.50
<b>32 31 29 00-0059</b>			<b>Board Fence Gates, Grade 2 Cedar (32 31 29 00-0047)</b>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)					
32 31 29 00-0060	EA		3' To 5' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	774.82	154.84
32 31 29 00-0061	EA		3' To 5' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	803.74	164.13
32 31 29 00-0062	EA		3' To 5' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	848.49	179.62
32 31 29 00-0063	EA		3' To 5' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	894.63	188.91
32 31 29 00-0064	EA		3' To 5' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	951.12	198.20
32 31 29 00-0065	EA		>5' To 8' High x 3' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	925.60	204.40
32 31 29 00-0066	EA		>5' To 8' High x 3'-6" Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	961.41	213.69
32 31 29 00-0067	EA		>5' To 8' High x 4' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,014.44	222.97
32 31 29 00-0068	EA		>5' To 8' High x 5' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,067.47	232.26
32 31 29 00-0069	EA		>5' To 8' High x 6' Wide, #2 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,120.51	241.56
<b>32 31 29 00-0070</b>			<b>Board Fence Gates, Grade 1 Cedar (32 31 29 00-0047)</b>		
Note: Includes galvanized extra duty hinges (1-1/2 butts per leaf), a galvanized latch and extra heavy-duty wheels per leaf, based on 2x4 frame, 1x4 cover, galvanized nails and hinges (cedar lumber)					
32 31 29 00-0071	EA		3' To 5' High x 3' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	826.50	154.84
32 31 29 00-0072	EA		3' To 5' High x 3'-6" Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	862.31	164.13
32 31 29 00-0073	EA		3' To 5' High x 4' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	910.50	179.62
32 31 29 00-0074	EA		3' To 5' High x 5' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	963.54	188.91
32 31 29 00-0075	EA		3' To 5' High x 6' Wide, #1 Cedar Board Gate, 2 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,016.58	198.20
32 31 29 00-0076	EA		>5' To 8' High x 3' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	994.51	204.40
32 31 29 00-0077	EA		>5' To 8' High x 3'-6" Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,030.31	213.69
32 31 29 00-0078	EA		>5' To 8' High x 4' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,083.35	222.97
32 31 29 00-0079	EA		>5' To 8' High x 5' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,136.38	232.26
32 31 29 00-0080	EA		>5' To 8' High x 6' Wide, #1 Cedar Board Gate, 3 - 2" x 4" Rails With 1" x 4" Board, Post And Hardware .....	1,206.64	241.56
<b>32 32 Retaining Walls (32 30)</b>					
<b>32 32 23 Segmental Retaining Walls (32 32)</b>					
<b>32 32 23 13 Segmental Concrete Unit Masonry Retaining Walls (32 32 23)</b>					
<b>32 32 23 13-0001 Modular Retaining Wall Systems (32 32 23 13)</b>					
Note: Includes installation, material and manufacturer's wall design. Includes stone wall, cap stones, #57 stone backing, Geo-Grid (2/3 height of wall), miradrain and fill with earth, and compaction. Includes cap at top, pins, and installation. Excludes initial site grading, subbase preparation or finish grading.					
<b>32 32 23 13-0002 "Amastone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>					
32 32 23 13-0003	SF		Up To 4' Height "Amastone" Type Modular Retaining Wall System .....	72.99	11.79
32 32 23 13-0004	SF		4 To 8' Height "Amastone" Type Modular Retaining Wall System .....	77.00	12.42
32 32 23 13-0005	SF		8 To 12' Height "Amastone" Type Modular Retaining Wall System .....	80.66	13.65
32 32 23 13-0006	SF		12 To 16' Height "Amastone" Type Modular Retaining Wall System .....	84.49	14.90
<b>32 32 23 13-0007 "Diamond" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>					
32 32 23 13-0008	SF		Up To 4' Height "Diamond" Type Modular Retaining Wall System .....	75.57	11.79
32 32 23 13-0009	SF		4 To 8' Height "Diamond" Type Modular Retaining Wall System .....	79.58	12.42
32 32 23 13-0010	SF		8 To 12' Height "Diamond" Type Modular Retaining Wall System .....	83.24	13.65

**32 Exterior Improvements****32 30 Site Improvements****32 32 Retaining Walls**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 32 23 13-0011	SF	12 To 16' Height "Diamond" Type Modular Retaining Wall System .....	87.08		14.90
<b>32 32 23 13-0012</b>		<b>"Keystone" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>			
32 32 23 13-0013	SF	Up To 4' Height "Keystone" Type Modular Retaining Wall System .....	81.74		11.79
32 32 23 13-0014	SF	4 To 8' Height "Keystone" Type Modular Retaining Wall System .....	85.75		12.42
32 32 23 13-0015	SF	8 To 12' Height "Keystone" Type Modular Retaining Wall System .....	89.41		13.65
32 32 23 13-0016	SF	12 To 16' Height "Keystone" Type Modular Retaining Wall System .....	93.25		14.90
<b>32 32 23 13-0017</b>		<b>"Criblock" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>			
32 32 23 13-0018	SF	Up To 4' Height "Criblock" Type Modular Retaining Wall System .....	72.99		11.79
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25		
32 32 23 13-0019	SF	4 To 8' Height "Criblock" Type Modular Retaining Wall System .....	77.00		12.42
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25		
32 32 23 13-0020	SF	8 To 12' Height "Criblock" Type Modular Retaining Wall System .....	80.66		13.65
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25		
32 32 23 13-0021	SF	12 To 16' Height "Criblock" Type Modular Retaining Wall System .....	84.49		14.90
		<i>For Gravel Backfill Instead Of Earth, Add</i>	0.25		
<b>32 32 23 13-0022</b>		<b>"Versa-Lok" Type Modular Retaining Wall Systems (32 32 23 13-0001)</b>			
32 32 23 13-0023	SF	Up To 4' Height "Versa-Lok" Type Modular Retaining Wall System .....	65.16		11.79
32 32 23 13-0024	SF	4 To 8' Height "Versa-Lok" Type Modular Retaining Wall System .....	71.74		12.42
32 32 23 13-0025	SF	8 To 12' Height "Versa-Lok" Type Modular Retaining Wall System .....	75.45		13.65
32 32 23 13-0026	SF	12 To 16' Height "Versa-Lok" Type Modular Retaining Wall System .....	78.80		14.90
<b>32 32 23 13-0027</b>		<b>Retaining Wall Cap Block Restoration (32 32 23 13-0001)</b>			
		Note: Includes removal of existing cap block and installation of new cap block to match.			
32 32 23 13-0028	LF	Removal And Reinstall Retaining Wall Cap Block And Pins .....	43.44		
<b>32 33 Site Furnishings (32 30)</b>					
<b>32 33 13 Site Bicycle Racks (32 33)</b>					
32 33 13 00-0001		Bicycle Organizer And Rack (32 33 13)			
32 33 13 00-0002		Vertical Style Bike Racks Single/Double Sided, Galvanized (32 33 13 00-0001)			
32 33 13 00-0003		Double Sided (32 33 13 00-0002)			
32 33 13 00-0004	EA	5' Galvanized Steel Double Sided Bike Rack, 9 Bikes .....	854.99		173.49
32 33 13 00-0005	EA	10' Galvanized Steel Double Sided Bike Rack, 18 Bikes .....	1,297.95		285.01
32 33 13 00-0006	EA	20' Galvanized Steel Double Sided Bike Rack, 36 Bikes .....	2,216.37		433.72
32 33 13 00-0007		Single Sided (32 33 13 00-0002)			
32 33 13 00-0008	EA	5' Galvanized Steel Single Sided Bike Rack, 5 Bikes .....	749.43		154.90
32 33 13 00-0009	EA	10' Galvanized Steel Single Sided Bike Rack, 9 Bikes .....	1,071.16		257.75
32 33 13 00-0010	EA	20' Galvanized Steel Single Sided Bike Rack, 18 Bikes .....	1,820.50		387.24
32 33 13 00-0011		Anchor Set For Vertical Style Bike Rack (32 33 13 00-0002)			
32 33 13 00-0012	PR	Anchor Set For Vertical Style Bike Rack .....	156.70		
		Note: Anchoring frame to ground.			
32 33 13 00-0013		Bike Racks Ground Loop (32 33 13 00-0001)			
		Note: In-ground mount.			
32 33 13 00-0014	EA	83" Ground Loop Bike Rack, Surface Or Wall Mounted, 12 Bikes .....	1,180.04		303.97
32 33 13 00-0015		Serpentine Bike Racks (32 33 13 00-0001)			
		Note: In-ground mount.			
32 33 13 00-0016		Galvanized, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)			
32 33 13 00-0017	EA	1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Galvanized .....	662.82		185.88
32 33 13 00-0018	EA	3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Galvanized .....	880.73		201.37
32 33 13 00-0019	EA	5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Galvanized .....	1,098.64		216.85
32 33 13 00-0020	EA	7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Galvanized .....	1,343.24		232.35
32 33 13 00-0021	EA	9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Galvanized .....	1,587.85		247.84
32 33 13 00-0022	EA	11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Galvanized .....	1,725.64		263.32
32 33 13 00-0023		Galvanized, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)			
32 33 13 00-0024	EA	1' x 42" High Serpentine Bike Rack, 3 Bikes, Galvanized .....	741.11		185.88
32 33 13 00-0025	EA	3' x 42" High Serpentine Bike Rack, 5 Bikes, Galvanized .....	937.18		201.37
32 33 13 00-0026	EA	5' x 42" High Serpentine Bike Rack, 7 Bikes, Galvanized .....	1,133.23		216.85
32 33 13 00-0027	EA	7' x 42" High Serpentine Bike Rack, 9 Bikes, Galvanized .....	1,308.65		232.35
32 33 13 00-0028	EA	9' x 42" High Serpentine Bike Rack, 11 Bikes, Galvanized .....	1,504.70		247.84
32 33 13 00-0029	EA	11' x 42" High Serpentine Bike Rack, 13 Bikes, Galvanized .....	1,742.03		263.32
32 33 13 00-0030		Powder Coated, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 13 00-0031	EA		1' x 3' High Serpentine (M Style) Bike Rack, 3 Bikes, Powder Coated .....	662.82	185.88
32 33 13 00-0032	EA		3' x 3' High Serpentine (M Style) Bike Rack, 5 Bikes, Powder Coated .....	880.73	201.37
32 33 13 00-0033	EA		5' x 3' High Serpentine (M Style) Bike Rack, 7 Bikes, Powder Coated .....	1,098.64	216.85
32 33 13 00-0034	EA		7' x 3' High Serpentine (M Style) Bike Rack, 9 Bikes, Powder Coated .....	1,343.24	232.35
32 33 13 00-0035	EA		9' x 3' High Serpentine (M Style) Bike Rack, 11 Bikes, Powder Coated .....	1,587.85	247.84
32 33 13 00-0036	EA		11' x 3' High Serpentine (M Style) Bike Rack, 13 Bikes, Powder Coated .....	1,725.64	263.32
<b>32 33 13 00-0037</b>			<b>Powder Coated, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0038	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Powder Coated .....	761.74	185.88
32 33 13 00-0039	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Powder Coated .....	978.45	201.37
32 33 13 00-0040	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Powder Coated .....	1,174.50	216.85
32 33 13 00-0041	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Powder Coated .....	1,411.82	232.35
32 33 13 00-0042	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Powder Coated .....	1,607.87	247.84
32 33 13 00-0043	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Powder Coated .....	1,865.84	263.32
<b>32 33 13 00-0044</b>			<b>Stainless Steel, 36" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0045	EA		1' x 36" High Serpentine Bike Rack, 3 Bikes, Stainless Steel .....	1,188.86	185.88
32 33 13 00-0046	EA		3' x 36" High Serpentine Bike Rack, 5 Bikes, Stainless Steel .....	1,744.57	201.37
32 33 13 00-0047	EA		5' x 36" High Serpentine Bike Rack, 7 Bikes, Stainless Steel .....	2,300.30	216.85
32 33 13 00-0048	EA		7' x 36" High Serpentine Bike Rack, 9 Bikes, Stainless Steel .....	2,930.99	232.35
32 33 13 00-0049	EA		9' x 36" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	3,561.66	247.84
32 33 13 00-0050	EA		11' x 36" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	3,892.49	263.32
<b>32 33 13 00-0051</b>			<b>Stainless Steel, 42" High, 2-3/8" OD Tubing (32 33 13 00-0015)</b>		
32 33 13 00-0052	EA		1' x 42" High Serpentine Bike Rack, 3 Bikes, Stainless Steel .....	947.46	185.88
32 33 13 00-0053	EA		3' x 42" High Serpentine Bike Rack, 5 Bikes, Stainless Steel .....	2,010.18	201.37
32 33 13 00-0054	EA		5' x 42" High Serpentine Bike Rack, 7 Bikes, Stainless Steel .....	2,618.92	216.85
32 33 13 00-0055	EA		7' x 42" High Serpentine Bike Rack, 9 Bikes, Stainless Steel .....	3,186.39	232.35
32 33 13 00-0056	EA		9' x 42" High Serpentine Bike Rack, 11 Bikes, Stainless Steel .....	3,774.51	247.84
32 33 13 00-0057	EA		11' x 42" High Serpentine Bike Rack, 13 Bikes, Stainless Steel .....	4,383.26	263.32
<b>32 33 13 00-0058</b>			<b>Bike Racks Bollards/Bicycle Posts (32 33 13 00-0001)</b>		
			Note: In-ground mount.		
32 33 13 00-0059	EA		43" Overall Height, 4-1/2" Outside Diameter Bollard/Bicycle Post, 2 Loop Galvanized Steel Bollard (Belson BOL450-2R-IG-G) .....	718.53	139.40
<b>32 33 33</b>			<b>Site Manufactured Planters (32 33)</b>		
<b>32 33 33 00-0001</b>			<b>Precast Concrete Planters (32 33 33)</b>		
<b>32 33 33 00-0002</b>			<b>Circular Precast Concrete Planters (32 33 33 00-0001)</b>		
32 33 33 00-0003	EA		24" Diameter, 17" Height, Circular Precast Concrete Planter .....	779.16	35.67
32 33 33 00-0004	EA		24" Diameter, 24" Height, Circular Precast Concrete Planter .....	873.92	42.81
32 33 33 00-0005	EA		24" Diameter, 33" Height, Circular Precast Concrete Planter .....	954.41	42.81
32 33 33 00-0006	EA		30" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,037.33	49.94
32 33 33 00-0007	EA		30" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,257.62	64.21
32 33 33 00-0008	EA		36" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,366.52	64.21
32 33 33 00-0009	EA		36" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,539.40	71.34
32 33 33 00-0010	EA		48" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,624.62	71.34
32 33 33 00-0011	EA		48" Diameter, 24" Height, Circular Precast Concrete Planter .....	1,814.17	89.17
32 33 33 00-0012	EA		48" Diameter, 30" Height, Circular Precast Concrete Planter .....	1,929.74	94.89
32 33 33 00-0013	EA		48" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,010.75	99.88
32 33 33 00-0014	EA		60" Diameter, 17" Height, Circular Precast Concrete Planter .....	1,825.18	89.17
32 33 33 00-0015	EA		60" Diameter, 24" Height, Circular Precast Concrete Planter .....	2,008.38	99.88
32 33 33 00-0016	EA		60" Diameter, 36" Height, Circular Precast Concrete Planter .....	2,564.76	107.02
32 33 33 00-0017	EA		72" Diameter, 36" Height, Circular Precast Concrete Planter .....	3,327.30	135.55
32 33 33 00-0018	EA		84" Diameter, 36" Height, Circular Precast Concrete Planter .....	3,860.00	142.69
<b>32 33 33 00-0019</b>			<b>Square Precast Concrete Planters (32 33 33 00-0001)</b>		
32 33 33 00-0020	EA		36" Square, 30" Height, Square Precast Concrete Planter .....	1,579.11	92.75
32 33 33 00-0021	EA		42" Square, 30" Height, Square Precast Concrete Planter .....	1,805.41	99.88
32 33 33 00-0022	EA		60" Square, 36" Height, Square Precast Concrete Planter .....	2,834.70	114.15
32 33 33 00-0023	EA		72" Square, 36" Height, Square Precast Concrete Planter .....	3,024.14	121.28
<b>32 33 33 00-0024</b>			<b>Rectangular Precast Concrete Planters (32 33 33 00-0001)</b>		
32 33 33 00-0025	EA		33" x 18", 20" Height, Rectangular Precast Concrete Planter .....	909.43	42.81
32 33 33 00-0026	EA		48" x 18", 20" Height, Rectangular Precast Concrete Planter .....	1,072.97	64.21
32 33 33 00-0027	EA		60" x 18", 20" Height, Rectangular Precast Concrete Planter .....	1,243.49	71.34
32 33 33 00-0028	EA		72" x 18", 20" Height, Rectangular Precast Concrete Planter .....	1,418.83	89.17
<b>32 33 33 00-0029</b>			<b>Fiberglass Planters (32 33 33)</b>		
<b>32 33 33 00-0030</b>			<b>Circular Fiberglass Planters (32 33 33 00-0029)</b>		
32 33 33 00-0031	EA		36" Diameter, 27" High, Circular Fiberglass Planter .....	2,078.64	35.67
32 33 33 00-0032	EA		60" Diameter, 39" High, Circular Fiberglass Planter .....	3,462.03	35.67
32 33 33 00-0033	EA		36" Diameter, 24" High, Circular Fiberglass Planter .....	1,384.46	35.67
32 33 33 00-0034	EA		60" Diameter, 24" High, Circular Fiberglass Planter .....	2,732.75	35.67

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 33 00-0035			<b>Tapered Circular Fiberglass Planters</b> (32 33 33 00-0029)		
32 33 33 00-0036	EA		24" Diameter, 20" High, Tapered Circular Fiberglass Planter .....	806.25	35.67
32 33 33 00-0037	EA		30" Diameter, 25" High, Tapered Circular Fiberglass Planter .....	1,183.96	35.67
32 33 33 00-0038	EA		36" Diameter, 30" High, Tapered Circular Fiberglass Planter .....	2,113.74	35.67
32 33 33 00-0039	EA		40" Diameter, 36" High, Tapered Circular Fiberglass Planter .....	2,953.30	35.67
32 33 33 00-0040			<b>Square Fiberglass Planters</b> (32 33 33 00-0029)		
32 33 33 00-0041	EA		24" Square, 21" High, Square Fiberglass Planter .....	1,060.05	35.67
32 33 33 00-0042	EA		24" Square, 24" High, Square Fiberglass Planter .....	1,083.72	35.67
32 33 33 00-0043	EA		30" Square, 12" High, Square Fiberglass Planter .....	1,096.24	35.67
32 33 33 00-0044	EA		30" Square, 21" High, Square Fiberglass Planter .....	1,244.12	35.67
32 33 33 00-0045	EA		30" Square, 24" High, Square Fiberglass Planter .....	1,351.86	35.67
32 33 33 00-0046			<b>Rectangular Fiberglass Planters</b> (32 33 33 00-0029)		
32 33 33 00-0047	EA		48" x 12", 12" High, Rectangular Fiberglass Planter .....	1,220.70	35.67
32 33 33 00-0048	EA		48" x 12", 21" High, Rectangular Fiberglass Planter .....	1,309.06	35.67
32 33 33 00-0049	EA		48" x 24", 12" High, Rectangular Fiberglass Planter .....	1,706.95	35.67
32 33 33 00-0050	EA		48" x 24", 21" High, Rectangular Fiberglass Planter .....	1,883.67	35.67
32 33 33 00-0051			<b>Timber Planters</b> (32 33 33)		
32 33 33 00-0052			<b>Square Timber Planters</b> (32 33 33 00-0051)		
32 33 33 00-0053	EA		14" Square, 30" High, Square Timber Planter .....	543.50	73.97
32 33 33 00-0054	EA		21" Square, 30" High, Square Timber Planter .....	543.50	73.97
32 33 33 00-0055	EA		27" Square, 30" High, Square Timber Planter .....	977.65	73.97
32 33 33 00-0056	EA		34" Square, 30" High, Square Timber Planter .....	855.35	73.97
32 33 33 00-0057	EA		41" Square, 36" High, Square Timber Planter .....	1,008.22	73.97
32 33 33 00-0058	EA		54" Square, 36" High, Square Timber Planter .....	2,500.23	73.97
32 33 33 00-0059	EA		81" Square, 36" High, Square Timber Planter .....	3,729.30	73.97
32 33 33 00-0060			<b>Rectangular Timber Planters</b> (32 33 33 00-0051)		
32 33 33 00-0061	EA		21" x 14", 30" High, Rectangular Timber Planter .....	537.38	73.97
32 33 33 00-0062	EA		27" x 14", 30" High, Rectangular Timber Planter .....	592.41	73.97
32 33 33 00-0063	EA		27" x 21", 30" High, Rectangular Timber Planter .....	757.51	73.97
32 33 33 00-0064	EA		34" x 21", 30" High, Rectangular Timber Planter .....	830.89	73.97
32 33 33 00-0065	EA		41" x 21", 30" High, Rectangular Timber Planter .....	1,051.02	73.97
32 33 33 00-0066	EA		34" x 27", 30" High, Rectangular Timber Planter .....	1,210.01	73.97
32 33 33 00-0067	EA		41" x 27", 30" High, Rectangular Timber Planter .....	1,344.53	73.97
32 33 33 00-0068	EA		54" x 27", 30" High, Rectangular Timber Planter .....	1,729.76	73.97
32 33 33 00-0069	EA		54" x 34", 30" High, Rectangular Timber Planter .....	1,943.78	73.97
32 33 33 00-0070	EA		68" x 34", 36" High, Rectangular Timber Planter .....	2,206.72	73.97
32 33 33 00-0071	EA		54" x 41", 36" High, Rectangular Timber Planter .....	2,102.77	73.97
32 33 33 00-0072	EA		68" x 41", 36" High, Rectangular Timber Planter .....	2,371.82	73.97
32 33 33 00-0073	EA		81" x 41", 36" High, Rectangular Timber Planter .....	2,646.98	73.97
32 33 43			<b>Site Seating and Tables</b> (32 33)		
32 33 43 13			<b>Site Seating</b> (32 33 43)		
32 33 43 13-0001			<b>Benches (Landscapeforms)</b> (32 33 43 13)		
Note: Excludes embedding in concrete See CSI section 32 31 13 13-0001 for drilling and concrete.					
32 33 43 13-0002	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade) .....	1,704.61	123.28
32 33 43 13-0003	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Balustrade) .....	2,112.86	123.28
32 33 43 13-0004	EA		96" Backless Wood Bench (Landscapeforms Balustrade) .....	2,375.31	123.28
32 33 43 13-0005	EA		End Loop Arms For Backed Bench (Landscapeforms Balustrade) .....	207.45	30.82
32 33 43 13-0006	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's) .....	1,856.75	123.28
32 33 43 13-0007	EA		96" Backless Wood Bench (Landscapeforms Gretchen's) .....	2,091.31	123.28
32 33 43 13-0008	EA		72" Backless Wood Or PolySite Bench (Landscapeforms Gretchen's) .....	2,275.15	123.28
32 33 43 13-0009	EA		96" Backless Wood Bench (Landscapeforms Gretchen's) .....	2,560.41	123.28
32 33 43 13-0010	EA		72" Backless Wood Or PolySite Bench With Armrest (Landscapeforms Gretchen's) .....	2,592.11	123.28
32 33 43 13-0011	EA		96" Backless Wood Bench With Armrest (Landscapeforms Gretchen's) .....	2,877.38	123.28
32 33 43 13-0012	EA		59" Backless Wood Or Metal Rod Bench (Landscapeforms Hyde Park) .....	3,343.44	123.28
32 33 43 13-0013	EA		75" Backless Wood Or Metal Rod Bench (Landscapeforms Hyde Park) .....	3,627.70	123.28
32 33 43 13-0014	EA		42" Backless Metal Grid Bench (Landscapeforms Manistee) .....	977.85	92.46
32 33 43 13-0015	EA		62" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,052.65	92.46
32 33 43 13-0016	EA		72" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,143.32	107.87
32 33 43 13-0017	EA		82" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,322.85	107.87
32 33 43 13-0018	EA		42" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,218.12	107.87
32 33 43 13-0019	EA		62" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,292.92	107.87
32 33 43 13-0020	EA		72" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,398.55	123.28
32 33 43 13-0021	EA		82" Backless Metal Grid Bench (Landscapeforms Manistee) .....	1,593.04	123.28
32 33 43 13-0022	EA		42" Backless Metal Grid Bench With Armrest Each End (Landscapeforms Manistee) .....	1,352.77	107.87
32 33 43 13-0023	EA		62" Backless Metal Grid Bench With Armrest Each End (Landscapeforms Manistee) .....	1,458.39	123.28
32 33 43 13-0024	EA		72" Backless Metal Grid Bench With Armrest Each End (Landscapeforms Manistee) .....	1,533.19	123.28
32 33 43 13-0025	EA		82" Backless Metal Grid Bench With Armrest Each End (Landscapeforms Manistee) .....	1,727.68	123.28
32 33 43 13-0026	EA		72" Backless Solid Wood Bench (Landscapeforms Palisade) .....	2,706.22	123.28
32 33 43 13-0027	EA		96" Backless Solid Wood Bench (Landscapeforms Palisade) .....	3,099.25	123.28
32 33 43 13-0028	EA		70" Backless Perforated Metal Bench (Landscapeforms Petoskey) .....	1,762.93	123.28

MINOR		DESCRIPTION		TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
32 33 43	13-0029	EA 70" Dual Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	2,112.86		123.28
32 33 43	13-0030	EA 70" Quad Support Backed Perforated Metal Bench (Landscapeforms Petoskey).....	2,287.82		123.28
32 33 43	13-0031	EA 72" Backed Wood Bench (Landscapeforms Plainwell).....	2,230.77		123.28
32 33 43	13-0032	EA 72" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,465.33		123.28
32 33 43	13-0033	EA 96" Backed Wood Bench (Landscapeforms Plainwell).....	2,718.90		123.28
32 33 43	13-0034	EA 96" Backed Wood Bench With Center Arm (Landscapeforms Plainwell).....	2,953.45		123.28
32 33 43	13-0035	EA 96" Backed Wood Bench With Two Center Arms (Landscapeforms Plainwell).....	3,194.34		123.28
32 33 43	13-0036	EA 72" Backed Aluminum Bench (Landscapeforms Plainwell).....	2,820.33		123.28
32 33 43	13-0037	EA 72" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	3,054.88		123.28
32 33 43	13-0038	EA 96" Backed Aluminum Bench (Landscapeforms Plainwell).....	3,441.58		123.28
32 33 43	13-0039	EA 96" Backed Aluminum Bench With Center Arm (Landscapeforms Plainwell).....	3,688.81		123.28
32 33 43	13-0040	EA 96" Backed Aluminum Bench With Two Center Arms (Landscapeforms Plainwell).....	3,917.02		123.28
32 33 43	13-0041	EA Backless Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	644.87		30.82
32 33 43	13-0042	EA Backless Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	860.40		30.82
32 33 43	13-0043	EA Backless Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	860.40		30.82
32 33 43	13-0044	EA Backed Metal Grid Seats For Straight Runs (Landscapeforms Plexus).....	784.33		30.82
32 33 43	13-0045	EA Narrow-Backed Metal Grid Seats For 60 Degree Radius (Landscapeforms Plexus).....	968.17		30.82
32 33 43	13-0046	EA Narrow-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	968.17		30.82
32 33 43	13-0047	EA Wide-Backed Metal Grid Seats For 120 Degree Radius (Landscapeforms Plexus).....	968.17		30.82
32 33 43	13-0048	EA Armrest For Metal Grid Seats (Landscapeforms Plexus).....	207.45		30.82
32 33 43	13-0049	EA Backless Straight Metal Grid Seats (Landscapeforms Presidio).....	898.44		30.82
32 33 43	13-0050	EA Backless Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	993.53		30.82
32 33 43	13-0051	EA Backless Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,088.62		30.82
32 33 43	13-0052	EA Backless Angled Metal Grid Seats (Landscapeforms Presidio).....	1,082.28		30.82
32 33 43	13-0053	EA Backless Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,177.37		30.82
32 33 43	13-0054	EA Backless Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,272.46		30.82
32 33 43	13-0055	EA Backed Straight Metal Grid Seats (Landscapeforms Presidio).....	1,069.60		30.82
32 33 43	13-0056	EA Backed Straight Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,164.69		30.82
32 33 43	13-0057	EA Backed Straight Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,259.78		30.82
32 33 43	13-0058	EA Narrow-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,304.15		30.82
32 33 43	13-0059	EA Narrow-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,399.24		30.82
32 33 43	13-0060	EA Narrow-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,494.33		30.82
32 33 43	13-0061	EA Wide-Backed Angled Metal Grid Seats (Landscapeforms Presidio).....	1,304.15		30.82
32 33 43	13-0062	EA Wide-Backed Angled Metal Grid Seats With One Arm (Landscapeforms Presidio).....	1,399.24		30.82
32 33 43	13-0063	EA Wide-Backed Angled Metal Grid Seats With Two Arms (Landscapeforms Presidio).....	1,494.33		30.82
32 33 43	13-0064	EA 48" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,831.39		123.28
32 33 43	13-0065	EA 72" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	1,856.75		123.28
32 33 43	13-0066	EA 96" Backless Horizontal Strap Bench (Landscapeforms Scarborough).....	2,243.45		123.28
32 33 43	13-0067	EA 48" Backless Woven Bench (Landscapeforms Scarborough).....	2,706.22		123.28
32 33 43	13-0068	EA 72" Backless Woven Bench (Landscapeforms Scarborough).....	3,181.67		123.28
32 33 43	13-0069	EA 96" Backless Woven Bench (Landscapeforms Scarborough).....	3,631.76		123.28
32 33 43	13-0070	EA 24" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,489.07		123.28
32 33 43	13-0071	EA 48" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	1,958.18		123.28
32 33 43	13-0072	EA 72" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	2,002.56		123.28
32 33 43	13-0073	EA 72" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	2,294.16		123.28
32 33 43	13-0074	EA 96" Backed Horizontal Strap Bench (Landscapeforms Scarborough).....	2,579.43		123.28
32 33 43	13-0075	EA 96" Backed Horizontal Strap Bench With Center Arm (Landscapeforms Scarborough).....	2,877.38		123.28
32 33 43	13-0076	EA 96" Backed Horizontal Strap Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	3,168.99		123.28
32 33 43	13-0077	EA 24" Backed Woven Bench (Landscapeforms Scarborough).....	2,579.43		123.28
32 33 43	13-0078	EA 48" Backed Woven Bench (Landscapeforms Scarborough).....	3,105.59		123.28
32 33 43	13-0079	EA 72" Backed Woven Bench (Landscapeforms Scarborough).....	3,619.08		123.28
32 33 43	13-0080	EA 72" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	3,917.02		123.28
32 33 43	13-0081	EA 96" Backed Woven Bench (Landscapeforms Scarborough).....	4,550.95		123.28
32 33 43	13-0082	EA 96" Backed Woven Bench With Center Arm (Landscapeforms Scarborough).....	4,842.56		123.28
32 33 43	13-0083	EA 96" Backed Woven Bench With Two Intermediate Arms (Landscapeforms Scarborough).....	5,127.83		123.28
32 33 43	13-0084	EA 32" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,261.73		107.87
32 33 43	13-0085	EA 49" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,508.97		107.87
32 33 43	13-0086	EA 49" Backed Strap Or Perforated Bench With Divider (Landscapeforms Town Square).....	1,642.09		107.87
32 33 43	13-0087	EA 70" Backed Strap Or Perforated Bench (Landscapeforms Town Square).....	1,920.15		123.28
32 33 43	13-0088	EA 70" Backed Strap Or Perforated Bench With Two Dividers (Landscapeforms Town Square).....	2,167.38		123.28
32 33 43	13-0089	<b>Benches (Columbia Cascade, TimberForm) (32 33 43 13)</b>			
32 33 43	13-0090	<b>Wood Benches (Columbia Cascade, TimberForm) (32 33 43 13-0089)</b>			
Note: Includes powder coated steel frames.					
32 33 43	13-0091	EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-E).....	917.43		61.65
32 33 43	13-0092	EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-E).....	1,048.39		61.65
32 33 43	13-0093	EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-E).....	1,336.42		61.65
32 33 43	13-0094	EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-6-P).....	956.74		61.65
32 33 43	13-0095	EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-8-P).....	1,087.66		61.65
32 33 43	13-0096	EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2006-10-P).....	1,388.79		61.65
32 33 43	13-0097	EA 70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-E).....	1,388.79		61.65
32 33 43	13-0098	EA 94" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-E).....	1,611.36		61.65
32 33 43	13-0099	EA 118" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-E).....	2,069.60		61.65
32 33 43	13-0100	EA 70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-6-P).....	1,454.25		61.65
32 33 43	13-0101	EA 94" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-8-P).....	1,676.83		61.65
32 33 43	13-0102	EA 118" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Bench With Straight Back (TimberForm 2016-10-P).....	2,161.25		61.65
32 33 43	13-0103	EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-E).....	2,658.77		61.65
32 33 43	13-0104	EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-E).....	3,117.00		61.65
32 33 43	13-0105	EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-E).....	4,072.76		61.65
32 33 43	13-0106	EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-6-P).....	2,724.23		61.65

**32 Exterior Improvements**

**32 30 Site Improvements**

**32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43	13-0107	EA	94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-8-P).....	3,182.47	61.65
32 33 43	13-0108	EA	118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 And 3 x 8 Wood Slats Benches With Straight Backs (TimberForm 2026-10-P).....	4,164.41	61.65
32 33 43	13-0109	EA	70" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-E).....	1,061.48	61.65
32 33 43	13-0110	EA	94" Length, Embedment Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-E).....	1,192.40	61.65
32 33 43	13-0111	EA	70" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-6-P).....	1,100.76	61.65
32 33 43	13-0112	EA	94" Length, Pedestal Mount, 3 x 4 Wood Slats Concave Bench (TimberForm 2028-8-P).....	1,231.68	61.65
32 33 43	13-0113	EA	46" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-E).....	1,755.38	61.65
32 33 43	13-0114	EA	70" Length, Embedment Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-E).....	2,069.60	61.65
32 33 43	13-0115	EA	46" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-4-P).....	1,860.12	61.65
32 33 43	13-0116	EA	70" Length, Pedestal Mount, 3 x 4 And 3 x 8 Wood Slats Platform Seat (TimberForm 2044-6-P).....	2,174.34	61.65
32 33 43	13-0117	EA	70" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-6).....	1,127.45	92.46
32 33 43	13-0118	EA	94" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-8).....	1,179.82	92.46
32 33 43	13-0119	EA	118" Length, Wall Mount, 3 x 4 And 3 x 8 Wood Slats Bench (TimberForm 2045-10).....	1,585.69	92.46
32 33 43	13-0120	EA	46" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-E).....	865.09	61.65
32 33 43	13-0121	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-E).....	996.02	61.65
32 33 43	13-0122	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-E).....	1,126.94	61.65
32 33 43	13-0123	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-E).....	1,441.16	61.65
32 33 43	13-0124	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-E).....	1,572.09	61.65
32 33 43	13-0125	EA	46" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-4-P).....	878.18	61.65
32 33 43	13-0126	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-6-P).....	1,009.11	61.65
32 33 43	13-0127	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-8-P).....	1,140.03	61.65
32 33 43	13-0128	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-10-P).....	1,480.44	61.65
32 33 43	13-0129	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench (TimberForm 2139-12-P).....	1,611.36	61.65
32 33 43	13-0130	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-E).....	1,467.35	61.65
32 33 43	13-0131	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-E).....	1,689.92	61.65
32 33 43	13-0132	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-E).....	2,174.34	61.65
32 33 43	13-0133	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-E).....	2,396.92	61.65
32 33 43	13-0134	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-6-P).....	1,493.53	61.65
32 33 43	13-0135	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-8-P).....	1,716.10	61.65
32 33 43	13-0136	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-10-P).....	2,213.62	61.65
32 33 43	13-0137	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2140-12-P).....	2,436.19	61.65
32 33 43	13-0138	EA	70" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-E).....	1,467.35	61.65
32 33 43	13-0139	EA	82" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-E).....	2,056.51	61.65
32 33 43	13-0140	EA	94" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-E).....	1,833.94	61.65
32 33 43	13-0141	EA	118" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-E).....	2,410.01	61.65
32 33 43	13-0142	EA	142" Length, Embedment Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-E).....	2,632.58	61.65
32 33 43	13-0143	EA	70" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-6-P).....	1,676.83	61.65
32 33 43	13-0144	EA	82" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-7-P).....	2,095.79	61.65
32 33 43	13-0145	EA	94" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-8-P).....	1,860.12	61.65
32 33 43	13-0146	EA	118" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-10-P).....	2,449.29	61.65
32 33 43	13-0147	EA	142" Length, Pedestal Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2141-12-P).....	2,671.86	61.65
32 33 43	13-0148	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-6).....	1,559.50	92.46
32 33 43	13-0149	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-8).....	1,795.17	92.46
32 33 43	13-0150	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back (TimberForm 2142-10).....	2,292.68	92.46
32 33 43	13-0151	EA	70" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-6).....	1,703.52	92.46
32 33 43	13-0152	EA	94" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-8).....	1,939.19	92.46
32 33 43	13-0153	EA	118" Length, Wall Mount, 3 x 4 Patterned Wood Slats Bench With Contoured Back And Armrests (TimberForm 2143-10).....	2,515.26	92.46
32 33 43	13-0154		<b>Recycled Plastic Benches (Columbia Cascade, TimberForm)</b> (32 33 43 13-0089)		
Note: Includes powder coated steel frames.					
32 33 43	13-0155	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-E).....	1,244.77	61.65
32 33 43	13-0156	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-E).....	1,689.92	61.65
32 33 43	13-0157	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-6-P).....	1,284.05	61.65
32 33 43	13-0158	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Concave Bench (TimberForm 2029-8-P).....	1,729.20	61.65
32 33 43	13-0159	EA	46" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-E).....	1,938.68	61.65
32 33 43	13-0160	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-E).....	2,265.99	61.65
32 33 43	13-0161	EA	46" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-4-P).....	2,043.42	61.65
32 33 43	13-0162	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Platform Seat (TimberForm 2041-6-P).....	2,370.73	61.65
32 33 43	13-0163	EA	70" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-6).....	1,258.37	92.46
32 33 43	13-0164	EA	94" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-8).....	1,507.13	92.46
32 33 43	13-0165	EA	118" Length, Wall Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2042-10).....	1,768.98	92.46
32 33 43	13-0166	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-E).....	1,022.17	61.65
32 33 43	13-0167	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-E).....	1,362.61	61.65
32 33 43	13-0168	EA	118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-E).....	1,624.46	61.65
32 33 43	13-0169	EA	70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-6-P).....	1,061.48	61.65
32 33 43	13-0170	EA	94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-8-P).....	1,401.88	61.65
32 33 43	13-0171	EA	118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench (TimberForm 2007-10-P).....	1,676.83	61.65
32 33 43	13-0172	EA	70" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-E).....	1,611.36	61.65
32 33 43	13-0173	EA	94" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-E).....	2,161.25	61.65



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 13-0174 EA 118" Length, Embedment Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-E).....	2,619.49	61.65
32 33 43 13-0175 EA 70" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-6-P).....	1,676.83	61.65
32 33 43 13-0176 EA 94" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-8-P).....	2,252.90	61.65
32 33 43 13-0177 EA 118" Length, Pedestal Mount, 3 x 4 Recycled Plastic Slats Bench With Straight Back (TimberForm 2017-10-P).....	2,711.14	61.65
32 33 43 13-0178 EA 70" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-E).....	3,117.00	61.65
32 33 43 13-0179 EA 94" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-E).....	4,282.24	61.65
32 33 43 13-0180 EA 118" Length, Embedment Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-E).....	4,740.48	61.65
32 33 43 13-0181 EA 70" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-6-P).....	3,182.47	61.65
32 33 43 13-0182 EA 94" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-8-P).....	4,373.89	61.65
32 33 43 13-0183 EA 118" Length, Pedestal Mount, Back-To-Back Double Bench, 3 x 4 Recycled Plastic Slats Benches With Straight Backs (TimberForm 2027-10-P).....	4,832.12	61.65
32 33 43 13-0184 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-E).....	1,964.86	61.65
32 33 43 13-0185 EA 82" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-E).....	2,724.23	61.65
32 33 43 13-0186 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-E).....	2,606.40	61.65
32 33 43 13-0187 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-E).....	2,986.08	61.65
32 33 43 13-0188 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-E).....	4,007.30	61.65
32 33 43 13-0189 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-6-P).....	1,991.05	61.65
32 33 43 13-0190 EA 82" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-7-P).....	2,763.51	61.65
32 33 43 13-0191 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-8-P).....	2,645.67	61.65
32 33 43 13-0192 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-10-P).....	3,025.36	61.65
32 33 43 13-0193 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2155-12-P).....	4,072.76	61.65
32 33 43 13-0194 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-6).....	1,886.82	92.46
32 33 43 13-0195 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-8).....	2,528.35	92.46
32 33 43 13-0196 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2154-10).....	3,117.51	92.46
32 33 43 13-0197 EA 70" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-6).....	2,109.39	92.46
32 33 43 13-0198 EA 94" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-8).....	2,803.29	92.46
32 33 43 13-0199 EA 118" Length, Wall Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back And Armrests (TimberForm 2156-10).....	3,078.23	92.46
32 33 43 13-0200 EA 46" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-E).....	917.46	61.65
32 33 43 13-0201 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-E).....	1,192.40	61.65
32 33 43 13-0202 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-E).....	1,598.27	61.65
32 33 43 13-0203 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-E).....	1,873.22	61.65
32 33 43 13-0204 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-E).....	2,174.34	61.65
32 33 43 13-0205 EA 46" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-4-P).....	943.65	61.65
32 33 43 13-0206 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-6-P).....	1,218.59	61.65
32 33 43 13-0207 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-8-P).....	1,637.55	61.65
32 33 43 13-0208 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-10-P).....	1,912.49	61.65
32 33 43 13-0209 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench (TimberForm 2151-12-P).....	2,226.71	61.65
32 33 43 13-0210 EA 70" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-E).....	1,755.38	61.65
32 33 43 13-0211 EA 94" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-E).....	2,396.92	61.65
32 33 43 13-0212 EA 118" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-E).....	2,946.80	61.65
32 33 43 13-0213 EA 142" Length, Embedment Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-E).....	3,313.39	61.65
32 33 43 13-0214 EA 70" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-6-P).....	1,781.57	61.65
32 33 43 13-0215 EA 94" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-8-P).....	2,436.19	61.65
32 33 43 13-0216 EA 118" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-10-P).....	2,986.08	61.65
32 33 43 13-0217 EA 142" Length, Pedestal Mount, 3 x 4 Patterned Recycled Plastic Slats Bench With Contoured Back (TimberForm 2153-12-P).....	3,365.76	61.65
<b>32 33 43 53 Site Tables (32 33 43)</b>		
<b>32 33 43 53-0001 Tables (32 33 43 53)</b>		
<b>32 33 43 53-0002 Tables (Wabash) (32 33 43 53-0001)</b>		
32 33 43 53-0003 EA Spyder ADA Round Table (Wabash SY203P).....	2,677.77	110.95
32 33 43 53-0004 EA Shelter With 6' Table (Wabash SH105P).....	8,000.14	110.95
32 33 43 53-0005 EA 46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Portable/Surface Mount (Wabash CA2Q50C).....	2,467.29	110.95
32 33 43 53-0006 EA 46" Round Table With Attached Chairs, Bench Seats, Solid Top With Square Perforation Seats, Inground (Wabash CA2Q50I).....	2,648.13	123.28



**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COSTMINOR  
CSI UOM DESCRIPTION

32 33 43 53-0007	Tables (Landscapeforms) (32 33 43 53-0001)		
32 33 43 53-0008	EA Plexus Companion Table For Backed Seat, Straight Runs.....	867.82	115.27
32 33 43 53-0009	EA Companion Table For Narrow-Backed Seat, For 60 Degree Radius (Landscapeforms Plexus).....	1,070.68	115.27
32 33 43 53-0010	EA Companion Table For Narrow-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus).....	1,070.68	115.27
32 33 43 53-0011	EA Companion Table For Wide-Backed Seat, For 120 Degree Radius (Landscapeforms Plexus).....	1,070.68	115.27
32 33 43 53-0012	EA 6-Person Picnic Table (Landscapeforms Manistee).....	3,114.98	115.27
32 33 43 53-0013	EA 4-Person Picnic Table (Landscapeforms Manistee).....	2,774.18	115.27
32 33 43 53-0014	EA 2-Person Picnic Table (Landscapeforms Manistee).....	2,461.77	115.27
32 33 43 53-0015	EA Umbrella Stand For Picnic Table (Landscapeforms).....	253.57	
32 33 43 53-0016	EA 32" x 72" Picnic Table (Landscapeforms Petoskey).....	2,476.62	110.95
32 33 43 53-0017	EA 62" Backless Metal Rod Bench (Landscapeforms Petoskey).....	1,322.85	86.30
32 33 43 53-0018	EA 29" Backless Metal Rod Bench (Landscapeforms Petoskey).....	1,113.39	86.30
32 33 43 53-0019	EA 58" x 54" x 30" Wood Or PolySite Picnic Table With Benches (Landscapeforms Gretchen).....	2,889.18	110.95
32 33 43 53-0020	EA 3 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	2,774.18	115.27
32 33 43 53-0021	EA 4 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	2,774.18	115.27
32 33 43 53-0022	EA 5 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,583.58	115.27
32 33 43 53-0023	EA 6 Seat Table, Backless, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,583.58	115.27
32 33 43 53-0024	EA 3 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	2,958.78	115.27
32 33 43 53-0025	EA 4 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	2,958.78	115.27
32 33 43 53-0026	EA 5 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,768.18	115.27
32 33 43 53-0027	EA 6 Seat Table, Backless, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,768.18	115.27
32 33 43 53-0028	EA 3 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	2,887.78	115.27
32 33 43 53-0029	EA 4 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	2,887.78	115.27
32 33 43 53-0030	EA 5 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,753.98	115.27
32 33 43 53-0031	EA 6 Seat Table, Backless, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,753.98	115.27
32 33 43 53-0032	EA 3 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,072.38	115.27
32 33 43 53-0033	EA 4 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,072.38	115.27
32 33 43 53-0034	EA 5 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,938.58	115.27
32 33 43 53-0035	EA 6 Seat Table, Backless, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,938.58	115.27
32 33 43 53-0036	EA 3 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	2,944.58	115.27
32 33 43 53-0037	EA 4 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	2,944.58	115.27
32 33 43 53-0038	EA 5 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,768.18	115.27
32 33 43 53-0039	EA 6 Seat Table, Backed, Grid Seats And Fiberglass Top (Landscapeforms Carousel).....	3,768.18	115.27
32 33 43 53-0040	EA 3 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,129.18	115.27
32 33 43 53-0041	EA 4 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,129.18	115.27
32 33 43 53-0042	EA 5 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,952.78	115.27
32 33 43 53-0043	EA 6 Seat Table, Backed, Grid Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,952.78	115.27
32 33 43 53-0044	EA 3 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,086.58	115.27
32 33 43 53-0045	EA 4 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,086.58	115.27
32 33 43 53-0046	EA 5 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,981.18	115.27
32 33 43 53-0047	EA 6 Seat Table, Backed, Perforated Seats And Fiberglass Top (Landscapeforms Carousel).....	3,981.18	115.27
32 33 43 53-0048	EA 3 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,271.18	115.27
32 33 43 53-0049	EA 4 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	3,271.18	115.27
32 33 43 53-0050	EA 5 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,165.78	115.27
32 33 43 53-0051	EA 6 Seat Table, Backed, Perforated Seats And Fiberglass Polished Granite Top (Landscapeforms Carousel).....	4,165.78	115.27
32 33 43 53-0052	EA 3 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,579.43	115.27
32 33 43 53-0053	EA 4 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,579.43	115.27
32 33 43 53-0054	EA 5 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,378.18	115.27
32 33 43 53-0055	EA 6 Seat Table, Backless, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,378.18	115.27
32 33 43 53-0056	EA 3 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,680.86	115.27
32 33 43 53-0057	EA 4 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,680.86	115.27
32 33 43 53-0058	EA 5 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,466.93	115.27
32 33 43 53-0059	EA 6 Seat Table, Backless, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,466.93	115.27
32 33 43 53-0060	EA 3 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,693.54	115.27
32 33 43 53-0061	EA 4 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,693.54	115.27
32 33 43 53-0062	EA 5 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,530.33	115.27
32 33 43 53-0063	EA 6 Seat Table, Backless, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,530.33	115.27
32 33 43 53-0064	EA 3 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,782.29	115.27
32 33 43 53-0065	EA 4 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,782.29	115.27
32 33 43 53-0066	EA 5 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,619.08	115.27
32 33 43 53-0067	EA 6 Seat Table, Backless, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,619.08	115.27
32 33 43 53-0068	EA 3 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,744.25	115.27
32 33 43 53-0069	EA 4 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	2,744.25	115.27
32 33 43 53-0070	EA 5 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,555.68	115.27
32 33 43 53-0071	EA 6 Seat Table, Backed, Grid Seats And Catena Top (Landscapeforms Carousel).....	3,555.68	115.27
32 33 43 53-0072	EA 3 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,839.34	115.27
32 33 43 53-0073	EA 4 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	2,839.34	115.27
32 33 43 53-0074	EA 5 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,644.43	115.27
32 33 43 53-0075	EA 6 Seat Table, Backed, Grid Seats And Steelhead Top (Landscapeforms Carousel).....	3,644.43	115.27
32 33 43 53-0076	EA 3 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,902.74	115.27
32 33 43 53-0077	EA 4 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	2,902.74	115.27
32 33 43 53-0078	EA 5 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,802.92	115.27
32 33 43 53-0079	EA 6 Seat Table, Backed, Perforated Seats And Catena Top (Landscapeforms Carousel).....	3,802.92	115.27
32 33 43 53-0080	EA 3 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,991.49	115.27
32 33 43 53-0081	EA 4 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	2,991.49	115.27
32 33 43 53-0082	EA 5 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,891.67	115.27
32 33 43 53-0083	EA 6 Seat Table, Backed, Perforated Seats And Steelhead Top (Landscapeforms Carousel).....	3,891.67	115.27

**32 33 43 53-0084 Tables (Columbia Cascade Co. - TimberForm) (32 33 43 53-0001)**

32 33 43 53-0085	EA Table With Four Chairs (Columbia Cascade Co. 2052-E).....	4,914.19	144.00
32 33 43 53-0086	EA Table With Four Chairs (Columbia Cascade Co. 2052-P).....	5,983.97	144.00
32 33 43 53-0087	EA Accessible Table With Three Chairs (Columbia Cascade Co. 2053-E).....	4,156.43	144.00
32 33 43 53-0088	EA Accessible Table With Three Chairs (Columbia Cascade Co. 2053-P).....	5,166.78	144.00
32 33 43 53-0089	EA Table With Four Seats (Columbia Cascade Co. 2054-E).....	2,789.50	144.00

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 33 43 53-0090	EA	Table With Four Seats (Columbia Cascade Co. 2054-P)		3,027.22	144.00
32 33 43 53-0091	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-E)		2,388.33	144.00
32 33 43 53-0092	EA	Accessible Table With Three Seats (Columbia Cascade Co. 2055-P)		2,596.34	144.00
32 33 43 53-0093	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-E)		3,101.51	144.00
32 33 43 53-0094	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-P)		3,309.53	144.00
32 33 43 53-0095	EA	Integral Table With Four Seats (Columbia Cascade Co. 2056-R)		4,973.62	144.00
32 33 43 53-0096	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-E)		2,759.78	144.00
32 33 43 53-0097	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-P)		2,967.79	144.00
32 33 43 53-0098	EA	Accessible Integral Table With Four Seats (Columbia Cascade Co. 2057-R)		4,631.89	144.00
32 33 43 53-0099	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062)		3,413.53	144.00
32 33 43 53-0100	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2062-P)		3,651.26	144.00
32 33 43 53-0101	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-E)		3,978.14	144.00
32 33 43 53-0102	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2063-P)		4,215.86	144.00
32 33 43 53-0103	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-E)		4,973.62	144.00
32 33 43 53-0104	EA	Accessible Picnic Table And Benches (Columbia Cascade Co. 2072-P)		5,211.35	144.00
32 33 43 53-0105	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-E)		4,973.62	144.00
32 33 43 53-0106	EA	Standard Picnic Table And Benches (Columbia Cascade Co. 2073-P)		5,211.35	144.00
32 33 43 53-0107	EA	Standard Picnic Table And Seats (Columbia Cascade Co. 2074-6)		1,178.20	57.57
32 33 43 53-0108	EA	Accessible Picnic Table And Seats (Columbia Cascade Co. 2075-6)		1,564.51	57.57
32 33 43 53-0109	EA	Gameboard (Columbia Cascade Co. 2095)		343.95	28.85
32 33 43 53-0110	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-E)		3,413.53	144.00
32 33 43 53-0111	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-E)		3,888.99	144.00
32 33 43 53-0112	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-6-P)		3,651.26	144.00
32 33 43 53-0113	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2162-8-P)		4,126.72	144.00
32 33 43 53-0114	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-E)		3,784.98	144.00
32 33 43 53-0115	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-E)		4,260.44	144.00
32 33 43 53-0116	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-6-P)		4,022.71	144.00
32 33 43 53-0117	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2163-8-P)		4,498.17	144.00
32 33 43 53-0118	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-6)		3,169.17	57.57
32 33 43 53-0119	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2164-8)		3,555.48	57.57
32 33 43 53-0120	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-6)		3,540.62	57.57
32 33 43 53-0121	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2165-8)		3,926.93	57.57
32 33 43 53-0122	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-E)		7,974.94	144.00
32 33 43 53-0123	EA	Standard Picnic Table With Seats (Columbia Cascade Co. 2638-6-P)		8,806.99	144.00
32 33 43 53-0124	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-E)		7,974.94	144.00
32 33 43 53-0125	EA	Accessible Picnic Table With Seats (Columbia Cascade Co. 2639-6-P)		8,806.99	144.00
32 33 43 53-0126	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-E)		2,016.88	144.00
32 33 43 53-0127	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-E)		2,210.03	144.00
32 33 43 53-0128	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-E)		2,403.19	144.00
32 33 43 53-0129	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0030-P)		2,150.60	144.00
32 33 43 53-0130	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0036-P)		2,343.76	144.00
32 33 43 53-0131	EA	Round Table With Center Support (Columbia Cascade Co. 2902-0042-P)		2,536.91	144.00
32 33 43 53-0132	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-E)		1,972.31	144.00
32 33 43 53-0133	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-E)		2,106.03	144.00
32 33 43 53-0134	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-E)		2,239.75	144.00
32 33 43 53-0135	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3030-P)		2,106.03	144.00
32 33 43 53-0136	EA	Square Table With Center Support (Columbia Cascade Co. 2902-3636-P)		2,239.75	144.00
32 33 43 53-0137	EA	Square Table With Center Support (Columbia Cascade Co. 2902-4242-P)		2,373.47	144.00
32 33 43 53-0138	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-E)		1,912.87	144.00
32 33 43 53-0139	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-E)		2,106.03	144.00
32 33 43 53-0140	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-E)		2,299.18	144.00
32 33 43 53-0141	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-P)		1,912.87	144.00
32 33 43 53-0142	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-P)		2,106.03	144.00
32 33 43 53-0143	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-P)		2,299.18	144.00
32 33 43 53-0144	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0030-L)		1,912.87	144.00
32 33 43 53-0145	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0036-L)		2,106.03	144.00
32 33 43 53-0146	EA	Round Table With Four Legs (Columbia Cascade Co. 2905-0042-L)		2,299.18	144.00
32 33 43 53-0147	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-E)		1,823.73	144.00
32 33 43 53-0148	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-E)		1,957.45	144.00
32 33 43 53-0149	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-E)		2,091.17	144.00
32 33 43 53-0150	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-P)		1,823.73	144.00
32 33 43 53-0151	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-P)		1,957.45	144.00
32 33 43 53-0152	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-P)		2,091.17	144.00
32 33 43 53-0153	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3030-L)		1,823.73	144.00
32 33 43 53-0154	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-3636-L)		1,957.45	144.00
32 33 43 53-0155	EA	Square Table With Four Legs (Columbia Cascade Co. 2905-4242-L)		2,091.17	144.00
32 33 43 53-0156	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-E)		1,749.44	144.00
32 33 43 53-0157	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-E)		1,942.59	144.00
32 33 43 53-0158	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-E)		2,135.74	144.00
32 33 43 53-0159	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0030-P)		1,883.16	144.00
32 33 43 53-0160	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0036-P)		2,076.31	144.00
32 33 43 53-0161	EA	Round Table With Center Support (Columbia Cascade Co. 2912-0042-P)		2,269.47	144.00
32 33 43 53-0162	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-E)		1,630.57	144.00
32 33 43 53-0163	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-E)		1,749.44	144.00
32 33 43 53-0164	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-E)		1,883.16	144.00
32 33 43 53-0165	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3030-P)		1,749.44	144.00
32 33 43 53-0166	EA	Square Table With Center Support (Columbia Cascade Co. 2912-3636-P)		1,883.16	144.00
32 33 43 53-0167	EA	Square Table With Center Support (Columbia Cascade Co. 2912-4242-P)		2,016.88	144.00
32 33 43 53-0168	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-E)		1,838.58	144.00
32 33 43 53-0169	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-E)		2,031.74	144.00
32 33 43 53-0170	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-E)		2,224.89	144.00
32 33 43 53-0171	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-P)		1,838.58	144.00
32 33 43 53-0172	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0036-P)		2,031.74	144.00
32 33 43 53-0173	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0042-P)		2,224.89	144.00
32 33 43 53-0174	EA	Round Table With Four Legs (Columbia Cascade Co. 2915-0030-L)		1,838.58	144.00

**32 Exterior Improvements****32 30 Site Improvements****32 33 Site Furnishings**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 33 43 53-0175	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0036-L).....	2,031.74	144.00
32 33 43 53-0176	EA		Round Table With Four Legs (Columbia Cascade Co. 2915-0042-L).....	2,224.89	144.00
32 33 43 53-0177	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3030-E).....	1,734.58	144.00
32 33 43 53-0178	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3636-E).....	1,868.30	144.00
32 33 43 53-0179	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-4242-E).....	2,002.02	144.00
32 33 43 53-0180	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3030-P).....	1,734.58	144.00
32 33 43 53-0181	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3636-P).....	1,868.30	144.00
32 33 43 53-0182	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-4242-P).....	2,002.02	144.00
32 33 43 53-0183	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3030-L).....	1,734.58	144.00
32 33 43 53-0184	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-3636-L).....	1,868.30	144.00
32 33 43 53-0185	EA		Square Table With Four Legs (Columbia Cascade Co. 2915-4242-L).....	2,002.02	144.00
32 33 43 53-0186	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0030-E).....	1,630.57	144.00
32 33 43 53-0187	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0036-E).....	1,690.00	144.00
32 33 43 53-0188	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0042-E).....	1,749.44	144.00
32 33 43 53-0189	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0030-P).....	1,764.29	144.00
32 33 43 53-0190	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0036-P).....	1,823.73	144.00
32 33 43 53-0191	EA		Round Table With Center Support (Columbia Cascade Co. 2922-0042-P).....	1,883.16	144.00
32 33 43 53-0192	EA		Square Table With Center Support (Columbia Cascade Co. 2922-3030-E).....	1,615.71	144.00
32 33 43 53-0193	EA		Square Table With Center Support (Columbia Cascade Co. 2922-3636-E).....	1,660.29	144.00
32 33 43 53-0194	EA		Square Table With Center Support (Columbia Cascade Co. 2922-4242-E).....	1,704.86	144.00
32 33 43 53-0195	EA		Square Table With Center Support (Columbia Cascade Co. 2922-3030-P).....	1,749.44	144.00
32 33 43 53-0196	EA		Square Table With Center Support (Columbia Cascade Co. 2922-3636-P).....	1,794.01	144.00
32 33 43 53-0197	EA		Square Table With Center Support (Columbia Cascade Co. 2922-4242-P).....	1,838.58	144.00
32 33 43 53-0198	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0030-E).....	1,660.29	144.00
32 33 43 53-0199	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0036-E).....	1,719.72	144.00
32 33 43 53-0200	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0042-E).....	1,779.15	144.00
32 33 43 53-0201	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0030-P).....	1,660.29	144.00
32 33 43 53-0202	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0036-P).....	1,719.72	144.00
32 33 43 53-0203	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0042-P).....	1,779.15	144.00
32 33 43 53-0204	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0030-L).....	1,660.29	144.00
32 33 43 53-0205	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0036-L).....	1,719.72	144.00
32 33 43 53-0206	EA		Round Table With Four Legs (Columbia Cascade Co. 2925-0042-L).....	1,779.15	144.00
32 33 43 53-0207	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-3030-E).....	1,660.29	144.00
32 33 43 53-0208	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-3636-E).....	1,704.86	144.00
32 33 43 53-0209	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-4242-E).....	1,749.44	144.00
32 33 43 53-0210	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-3030-P).....	1,660.29	144.00
32 33 43 53-0211	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-3636-P).....	1,704.86	144.00
32 33 43 53-0212	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-4242-P).....	1,749.44	144.00
32 33 43 53-0213	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-3030-L).....	1,660.29	144.00
32 33 43 53-0214	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-3636-L).....	1,704.86	144.00
32 33 43 53-0215	EA		Square Table With Four Legs (Columbia Cascade Co. 2925-4242-L).....	1,749.44	144.00
32 33 43 53-0216	EA		Round Table With Center Support (Columbia Cascade Co. 2932-0030-E).....	1,690.00	144.00
32 33 43 53-0217	EA		Round Table With Center Support (Columbia Cascade Co. 2932-0036-E).....	1,749.44	144.00
32 33 43 53-0218	EA		Round Table With Center Support (Columbia Cascade Co. 2932-0042-E).....	1,808.87	144.00
32 33 43 53-0219	EA		Round Table With Center Support (Columbia Cascade Co. 2932-0030-P).....	1,823.73	144.00
32 33 43 53-0220	EA		Round Table With Center Support (Columbia Cascade Co. 2932-0036-P).....	1,883.16	144.00
32 33 43 53-0221	EA		Round Table With Center Support (Columbia Cascade Co. 2932-0042-P).....	1,942.59	144.00
32 33 43 53-0222	EA		Square Table With Center Support (Columbia Cascade Co. 2932-3030-E).....	1,794.01	144.00
32 33 43 53-0223	EA		Square Table With Center Support (Columbia Cascade Co. 2932-3636-E).....	1,838.58	144.00
32 33 43 53-0224	EA		Square Table With Center Support (Columbia Cascade Co. 2932-4242-E).....	1,883.16	144.00
32 33 43 53-0225	EA		Square Table With Center Support (Columbia Cascade Co. 2932-3030-P).....	1,927.73	144.00
32 33 43 53-0226	EA		Square Table With Center Support (Columbia Cascade Co. 2932-3636-P).....	1,972.31	144.00
32 33 43 53-0227	EA		Square Table With Center Support (Columbia Cascade Co. 2932-4242-P).....	2,016.88	144.00
32 33 43 53-0228	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0030-E).....	1,764.29	144.00
32 33 43 53-0229	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0036-E).....	1,823.73	144.00
32 33 43 53-0230	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0042-E).....	1,883.16	144.00
32 33 43 53-0231	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0030-P).....	1,764.29	144.00
32 33 43 53-0232	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0036-P).....	1,823.73	144.00
32 33 43 53-0233	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0042-P).....	1,883.16	144.00
32 33 43 53-0234	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0030-L).....	1,764.29	144.00
32 33 43 53-0235	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0036-L).....	1,823.73	144.00
32 33 43 53-0236	EA		Round Table With Four Legs (Columbia Cascade Co. 2935-0042-L).....	1,883.16	144.00
32 33 43 53-0237	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-3030-E).....	1,868.30	144.00
32 33 43 53-0238	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-3636-E).....	1,912.87	144.00
32 33 43 53-0239	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-4242-E).....	1,957.45	144.00
32 33 43 53-0240	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-3030-P).....	1,868.30	144.00
32 33 43 53-0241	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-3636-P).....	1,912.87	144.00
32 33 43 53-0242	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-4242-P).....	1,957.45	144.00
32 33 43 53-0243	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-3030-L).....	1,868.30	144.00
32 33 43 53-0244	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-3636-L).....	1,912.87	144.00
32 33 43 53-0245	EA		Square Table With Four Legs (Columbia Cascade Co. 2935-4242-L).....	1,957.45	144.00
32 33 43 53-0246	EA		Square Table With Center Support (Columbia Cascade Co. 2942-3030-E).....	1,437.42	144.00
32 33 43 53-0247	EA		Square Table With Center Support (Columbia Cascade Co. 2942-3636-E).....	1,481.99	144.00
32 33 43 53-0248	EA		Square Table With Center Support (Columbia Cascade Co. 2942-4242-E).....	1,526.57	144.00
32 33 43 53-0249	EA		Square Table With Center Support (Columbia Cascade Co. 2942-3030-P).....	1,571.14	144.00
32 33 43 53-0250	EA		Square Table With Center Support (Columbia Cascade Co. 2942-3636-P).....	1,615.71	144.00
32 33 43 53-0251	EA		Square Table With Center Support (Columbia Cascade Co. 2942-4242-P).....	1,660.29	144.00
32 33 43 53-0252	EA		Round Table With Center Support (Columbia Cascade Co. 2962-0030-E).....	1,690.00	144.00
32 33 43 53-0253	EA		Round Table With Center Support (Columbia Cascade Co. 2962-0036-E).....	1,749.44	144.00
32 33 43 53-0254	EA		Round Table With Center Support (Columbia Cascade Co. 2962-0042-E).....	1,808.87	144.00
32 33 43 53-0255	EA		Round Table With Center Support (Columbia Cascade Co. 2962-0030-P).....	1,526.57	144.00
32 33 43 53-0256	EA		Round Table With Center Support (Columbia Cascade Co. 2962-0036-P).....	1,586.00	144.00
32 33 43 53-0257	EA		Round Table With Center Support (Columbia Cascade Co. 2962-0042-P).....	1,645.43	144.00
32 33 43 53-0258	EA		Square Table With Center Support (Columbia Cascade Co. 2962-3030-E).....	1,407.70	144.00
32 33 43 53-0259	EA		Square Table With Center Support (Columbia Cascade Co. 2962-3636-E).....	1,452.28	144.00

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 33 43 53-0260	EA		Square Table With Center Support (Columbia Cascade Co. 2962-4242-E) .....	1,496.85	144.00
32 33 43 53-0261	EA		Square Table With Center Support (Columbia Cascade Co. 2962-3030-P) .....	1,541.42	144.00
32 33 43 53-0262	EA		Square Table With Center Support (Columbia Cascade Co. 2962-3636-P) .....	1,586.00	144.00
32 33 43 53-0263	EA		Square Table With Center Support (Columbia Cascade Co. 2962-4242-P) .....	1,630.57	144.00

**32 33 43 53-0264 Picnic Tables (32 33 43 53)**

**32 33 43 53-0265 Wooden Picnic Tables (32 33 43 53-0264)**

32 33 43 53-0266	EA		6' Permanent Rectangular Redwood Table .....	926.02	92.46
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**32 33 43 53-0267 Portable Picnic Tables (32 33 43 53-0264)**

32 33 43 53-0268	EA		6' Wood Table With Aluminum Frame .....	1,491.28	61.65
32 33 43 53-0269	EA		6' Aluminum Table And Frame .....	2,152.39	61.65
32 33 43 53-0270	EA		8' Aluminum Table And Frame .....	2,569.72	77.05
32 33 43 53-0271	EA		6' Steel Table And Frame .....	1,336.80	61.65
32 33 43 53-0272	EA		8' Steel Table And Frame .....	1,533.53	77.05

**32 33 43 53-0273 Concrete Picnic Tables (32 33 43 53-0264)**

32 33 43 53-0274	EA		72" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quikrete QLBT72PT) .....	2,698.42	246.57
32 33 43 53-0275	EA		96" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches (Quick Crete QLBT96PT Or QLMR96PT) .....	3,104.56	
			Note: Standard sealer		
32 33 43 53-0276	EA		102" Long x 72" Wide, Precast Concrete, One Piece, Rectangular Picnic Table With Two Integral Benches And Handicap Access On Two Ends (Quick Crete QLMR102PTADA) .....	3,114.15	
			Note: Standard sealer		
32 33 43 53-0277	EA		42" Diameter, Precast Concrete, Round Food Court Table Set With Four Benches (Quick Crete QR42FC) .....	3,313.55	
			Note: Includes table top, four benches and mounting hardware.		

**32 33 43 53-0278 Plastic Picnic Tables (32 33 43 53-0264)**

Note: Manufactured from recycled plastic.

**32 33 43 53-0279 Pedestal Tables - 4' Square, 2 Seats (32 33 43 53-0278)**

32 33 43 53-0280	EA		3" x 4" Slats, Pedestal Table, 4' Square, 2 Seats .....	1,788.73	92.46
32 33 43 53-0281	EA		4" x 4" Slats, Pedestal Table, 4' Square, 2 Seats .....	1,959.09	92.46

**32 33 43 53-0282 Pedestal Tables - 4' Square, 4 Seats (32 33 43 53-0278)**

32 33 43 53-0283	EA		3" x 4" Slats, Pedestal Table, 4' Square, 4 Seats .....	2,341.18	92.46
32 33 43 53-0284	EA		4" x 4" Slats, Pedestal Table, 4' Square, 4 Seats .....	2,569.95	92.46

**32 33 43 53-0285 Recycled Plastic Tables (32 33 43 53-0278)**

32 33 43 53-0286	EA		6' Standard "Step-Over" Table, Recycled Plastic Lumber .....	3,063.16	92.46
32 33 43 53-0287	EA		6' " Walk-Through" Table, Recycled Plastic Lumber .....	2,552.98	92.46
32 33 43 53-0288	EA		7' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends .....	2,787.44	92.46
32 33 43 53-0289	EA		8' " Walk-Through" Table, Recycled Plastic Lumber, ADA Ends .....	2,607.37	92.46
32 33 43 53-0290	EA		8' Reinforced "Step-Over" Table, Recycled Plastic Lumber, ADA Ends .....	3,278.40	92.46
32 33 43 53-0291	EA		4' Youth Table, Recycled Plastic Lumber .....	1,308.53	73.97

**32 39 Manufactured Site Specialties (32 30)**

Note: Excludes coredrilling, augering, concrete footing and compaction See CSI section 02 41 19 13-0025 for concrete core drilling, 02 41 19 13-0163 for asphalt core drilling, 32 31 13 13-0002 for augering, 32 31 13 13-0019 for concrete footing, 32 31 13 13-0045 for compaction of earth.

**32 39 13 Manufactured Metal Bollards (32 39)**

**32 39 13 00-0001 Metal Pipe Bollards (32 39 13)**

Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill for post and post holes.

**32 39 13 00-0002 Steel Pipe Bollard, Schedule 40 Pipe, Painted Or Powder Coated (32 39 13 00-0001)**

32 39 13 00-0003	LF		4" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	121.54	16.51
			For Galvanized Steel, Add	15.05	
			For 304 Stainless Steel, Add	119.48	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	156.16	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	101.81	
			For Schedule 80, Add	16.58	
			For Concrete Fill, Add Per LF Of Pipe Bollard	11.18	
32 39 13 00-0004	LF		6" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated .....	172.64	16.51
			For Galvanized Steel, Add	23.73	
			For 304 Stainless Steel, Add	188.46	
			For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add	156.16	
			For Each Sleeve For Removable, Lockable Bollard (Includes Tamper Proof Screw), Add	101.81	
			For Schedule 80, Add	24.24	
			For Concrete Fill, Add Per LF Of Pipe Bollard	15.59	



**32 Exterior Improvements****32 30 Site Improvements****32 39 Manufactured Site Specialties**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 13 00-0005	LF		8" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	248.34	20.65
			<i>For Galvanized Steel, Add</i>	35.20	
			<i>For 304 Stainless Steel, Add</i>	279.52	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	203.16	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	148.01	
			<i>For Schedule 80, Add</i>	35.19	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	20.81	
32 39 13 00-0006	LF		10" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	332.84	24.78
			<i>For Galvanized Steel, Add</i>	48.16	
			<i>For 304 Stainless Steel, Add</i>	382.44	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	236.20	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	163.99	
			<i>For Schedule 80, Add</i>	47.45	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	25.35	
32 39 13 00-0007	LF		12" Steel Pipe Bollard, Schedule 40, Painted Or Powder Coated.....	417.63	33.04
			<i>For Galvanized Steel, Add</i>	59.77	
			<i>For 304 Stainless Steel, Add</i>	474.61	
			<i>For Each Surface Mounted Bollard (Includes Base Plate And Anchor Bolts), Add</i>	313.91	
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	224.64	
			<i>For Schedule 80, Add</i>	59.34	
			<i>For Concrete Fill, Add Per LF Of Pipe Bollard</i>	29.39	
<b>32 39 23 Manufactured Concrete Bollards (32 39)</b>					
32 39 23 00-0001			Concrete Bollards (32 39 23)		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any.		
32 39 23 00-0002			Concrete Bollard, Exposed Aggregate (32 39 23 00-0001)		
32 39 23 00-0003	EA		12" x 12" x 30" High Concrete Bollard, Light Media Blast.....	637.14	132.14
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
32 39 23 00-0004	EA		12" Diameter x 30" High Concrete Bollard, Light Media Blast.....	637.14	132.14
			Note: Surface mounted with anchor bolts embedded into grout pockets.		
<b>32 39 25 Manufactured Wood Bollards (32 39)</b>					
32 39 25 00-0001			Wood Bollards (32 39 25)		
			Note: For bollards by the LF, the quantity is the total length, including the buried portion, if any. See CSI section 32 31 13 13-0001 for augering and filling holes for bollards, 32 31 13 13-0018 for concrete fill.		
32 39 25 00-0002			Wood Bollard, Pressure Treated Timber (32 39 25 00-0001)		
32 39 25 00-0003	LF		4" x 4", Pressure Treated Wood Bollard.....	29.10	13.21
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	98.13	
32 39 25 00-0004	LF		6" x 6", Pressure Treated Wood Bollard.....	31.92	13.21
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	98.13	
32 39 25 00-0005	LF		8" x 8", Pressure Treated Wood Bollard.....	39.50	14.86
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	142.70	
32 39 25 00-0006	LF		10" x 10", Pressure Treated Wood Bollard.....	54.87	19.82
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	161.86	
32 39 25 00-0007	LF		12" x 12", Pressure Treated Wood Bollard.....	74.78	26.43
			<i>For Each Sleeve For Removable, Lockable Bollard, Add</i>	226.81	
<b>32 39 27 Manufactured Plastic Bollards (32 39)</b>					
32 39 27 00-0001			Plastic Bollards (32 39 27)		
			See CSI section 32 31 13 13-0001 for augering and filling holes for bollards.		
32 39 27 00-0002			Recycled Plastic Bollards (32 39 27 00-0001)		
32 39 27 00-0003	EA		6" x 6" x 33" Surface Mounted Recycled Plastic Bollard.....	384.06	66.07
			Note: Includes anchor bolts.		
32 39 27 00-0004	EA		6" Diameter x 6" Steel Reinforced Recycled Plastic Bollard.....	608.33	66.07
32 39 27 00-0005			Plastic Bollard Covers (32 39 27 00-0001)		
32 39 27 00-0006	EA		4" x 60", 1/8" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	98.48	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0007	EA		6" x 60", 1/8" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	106.74	17.53
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0008	EA		3" x 60", 1/4" Thick LDPE Bollard Cover, Fits 3" To 3 1/2" Pipe.....	131.79	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0009	EA		3-1/2" x 52", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	131.79	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0010	EA		3-1/2" x 68", 1/4" Thick LDPE Bollard Cover, Fits 3-1/2" To 4" Pipe.....	147.34	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0011	EA		4" x 52", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	131.79	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0012	EA		4" x 60", 1/4" Thick LDPE Bollard Cover, Fits 4" To 4-1/2" Pipe.....	134.01	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0013	EA		5" x 52", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	131.79	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0014	EA		5" x 60", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	134.01	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0015	EA		5" x 72", 1/4" Thick LDPE Bollard Cover, Fits 5" To 5-9/16" Pipe.....	185.09	15.94
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0016	EA		6" x 52", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	134.98	17.53
			<i>For Reflective Tape, Add</i>	10.58	
32 39 27 00-0017	EA		6" x 65", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe.....	170.51	17.53
			<i>For Reflective Tape, Add</i>	10.58	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 39 27 00-0018	EA		6" x 84", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	193.35 10.58	17.53
32 39 27 00-0019	EA		7" x 56", 1/4" Thick LDPE Bollard Cover, Fits 6" To 6-5/8" Pipe <i>For Reflective Tape, Add</i>	164.81 10.58	19.13
32 39 27 00-0020	EA		8" x 52", 1/4" Thick LDPE Bollard Cover, Fits 7" To 7-5/16" Pipe <i>For Reflective Tape, Add</i>	178.13 10.58	19.13
32 39 27 00-0021	EA		8" x 69", 1/4" Thick LDPE Bollard Cover, Fits 8" To 8-5/8" Pipe <i>For Reflective Tape, Add</i>	178.13 10.58	19.13
32 39 27 00-0022	EA		10" x 69", 1/4" Thick LDPE Bollard Cover, Fits 10" To 11" Pipe <i>For Reflective Tape, Add</i>	238.12 10.58	19.13
<b>32 39 29 Manufactured Stone Bollards (32 39)</b>					
32 39 29 00-0001			Stone Bollards (32 39 29)		
32 39 29 00-0002			Granite Bollards (32 39 29 00-0001)		
32 39 29 00-0003	EA		16" x 16" x 30" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	1,720.42	165.17
32 39 29 00-0004	EA		16" x 16" x 54" Granite Bollard, Smooth Matt Finish Note: Surface mounted with anchors embedded into grout pockets.	2,181.14	231.23
32 39 29 00-0005	EA		12" x 12" x 24" Granite Bollard, Rough Finish, Pyramid Top Note: Surface mounted with anchors embedded into grout pockets.	1,073.40	165.17
32 39 29 00-0006	EA		12" Diameter x 18" Granite Bollard, Smooth Matt Finish Note: Flat Top, surface mounted with anchors embedded into grout pockets.	1,578.53	132.14
32 39 29 00-0007	EA		24" x 24" x 20" Granite Bollard, Octagonal Cross Section Note: Smooth matt finish, flat top, surface mounted with anchors embedded into grout pockets.	2,349.40	132.14
<b>32 80 Irrigation (32)</b>					
<b>32 84 Planting Irrigation (32 80)</b>					
<b>32 84 13 Drip Irrigation (32 84)</b>					
<b>32 84 13 00-0001 Drip Emitter Irrigation Devices (32 84 13)</b>					
<b>32 84 13 00-0002 Drip Emitter Irrigation Valves (32 84 13 00-0001)</b>					
32 84 13 00-0003	EA		1/2" Air/Vacuum Relief Valve For Drip Emitter Irrigation Systems (Rain Bird® ARV050)	63.40	15.16
32 84 13 00-0004	EA		1", Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV100)	99.91	15.16
32 84 13 00-0005	EA		3/4", Anti-Siphon, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075)	97.37	15.16
32 84 13 00-0006	EA		3/4", Latching Solenoid, Low Flow Remote Control Valve For Drip Emitter Irrigation Systems (Rain Bird® LRV075TBOS)	131.67	15.16
<b>32 84 13 00-0007 Drip Emitter Irrigation Filters (32 84 13 00-0001)</b>					
32 84 13 00-0008	EA		3/4" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-075)	204.16	15.16
32 84 13 00-0009	EA		1" Inlet/Outlet, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® QKCHK-100)	206.05	15.16
32 84 13 00-0010	EA		3/4" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY075MPTX)	79.35	15.16
32 84 13 00-0011	EA		1" Inlet/Outlet, Inline Wye Filter For Drip Emitter Irrigation Systems (Rain Bird® RBY100MPTX)	80.86	15.16
32 84 13 00-0012	EA		1" Inlet/Outlet, Pressure Regulating, Inline Basket Filter For Drip Emitter Irrigation Systems (Rain Bird® PRB-QCHK-100)	221.73	15.16
32 84 13 00-0013	EA		3/4" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF075RBY)	102.06	15.16
32 84 13 00-0014	EA		1" Inlet/Outlet, Pressure Regulating, Inline RBY Filter For Drip Emitter Irrigation Systems (Rain Bird® PRF100RBY)	113.88	15.16
<b>32 84 13 00-0015 Drip Emitter Irrigation Pressure Regulators (32 84 13 00-0001)</b>					
32 84 13 00-0016	EA		3/4", 6 To 300 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-L30X-075)	77.82	15.16
32 84 13 00-0017	EA		3/4", 120 To 600 GPH, 30 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M30X-075)	77.82	15.16
32 84 13 00-0018	EA		3/4", 120 To 600 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-075)	77.82	15.16
32 84 13 00-0019	EA		1", 120 To 900 GPH, 40 PSI, Inline Pressure Regulator For Drip Emitter Irrigation Systems (Rain Bird® PSI-M40X-100)	90.25	15.16
<b>32 84 13 00-0020 Drip Emitter Irrigation Tubing (32 84 13 00-0001)</b>					
Note: Includes surface installation and covering of tubing with existing pine straw, pine bark etc.					
32 84 13 00-0021	LF		1/4", Landscape Dripline With Extruded Non-Pressure Compensating Drip Emitters (Rain Bird® LDQ0806100)	5.68	2.13
32 84 13 00-0022	LF		1/2", Landscape Dripline With Extruded Pressure Compensating Drip Emitters (Rain Bird® XFD0612100)	5.20	2.43
32 84 13 00-0023	LF		1/4", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XQ100)	4.48	2.13
<i>For Shallow Trenching And Backfill By Hand, Add</i>					
32 84 13 00-0024	LF		1/2", UV-Resistant, Polyethylene, Distribution Tubing For Drip Emitter Irrigation Systems (Rain Bird® XT700100)	5.31 9.42	2.43
<i>For Shallow Trenching And Backfill By Hand, Add</i>					
<b>32 84 13 00-0025 Drip Emitter Irrigation Fittings (32 84 13 00-0001)</b>					
32 84 13 00-0026	EA		1/4", Barbed Coupling For Irrigation Tubing (Rain Bird® XBF1CONN)	4.02	
32 84 13 00-0027	EA		1/4", Barbed Elbow For Irrigation Tubing (Rain Bird® XBF2EL)	4.06	
32 84 13 00-0028	EA		1/4", Barbed Tee For Irrigation Tubing (Rain Bird® XBF3TEE)	4.13	
32 84 13 00-0029	EA		1/4", Self Piercing Barbed Coupling For Irrigation Tubing (Rain Bird® SPB025)	4.35	
32 84 13 00-0030	EA		1/4", Plug For Irrigation Tubing (Rain Bird® EMAGPX)	3.98	
32 84 13 00-0031	EA		17mm, Barbed Coupling For Irrigation Tubing (Rain Bird® XFFCOUP)	4.24	
<i>For Compression Fitting, Add</i>					
				0.45	

**32 Exterior Improvements**

**32 80 Irrigation**

**32 84 Planting Irrigation**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 84 13 00-0032	EA	17mm, Barbed Elbow For Irrigation Tubing (Rain Bird® XFF-ELBOW).....		4.37	
		<i>For Compression Fitting, Add</i>		0.58	
32 84 13 00-0033	EA	17mm, Barbed Tee For Irrigation Tubing (Rain Bird® XFF-TEE) .....		4.43	
		<i>For Compression Fitting, Add</i>		0.64	
32 84 13 00-0034	EA	17mm, Barbed Male Adapter For Irrigation Tubing (Rain Bird® XFFMA050).....		4.47	
		<i>For Compression Fitting, Add</i>		0.68	
32 84 13 00-0035	EA	17mm, Barbed Cross For Irrigation Tubing (Rain Bird® XFDCROSS).....		4.74	
		<i>For Compression Fitting, Add</i>		0.95	
32 84 13 00-0036	EA	1/2", Plug For Irrigation Tubing (Rain Bird® MDCFCAP).....		5.05	
32 84 13 00-0037	EA	12 Gauge, Galvanized Stake For Irrigation Tubing (Rain Bird® TDS050BEND).....		2.49	
<b>32 84 13 00-0038</b>		<b>Drip Emitters</b> (32 84 13 00-0001)			
32 84 13 00-0039	EA	0.5 To 2 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB20PC).....		8.27	
32 84 13 00-0040	EA	5 To 24 GPH, Single Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® PC24) .....		9.48	
32 84 13 00-0041	EA	0.5 To 2 GPH, Six Outlet, Pressure Compensating Emitter For Drip Emitter Irrigation Systems (Rain Bird® XB056).....		19.91	
<b>32 84 13 00-0042</b>		<b>Drip Emitter Irrigation Micro-Bubblers, Sprays And Misters</b> (32 84 13 00-0001)			
32 84 13 00-0043	EA	Adjustable Stream Bubbler With Spike For Drip Emitter Irrigation Systems (Rain Bird® SXB360SPYK).....		32.20	13.65
32 84 13 00-0044	EA	Adjustable Micro Spray With Spike For Drip Emitter Irrigation Systems (Rain Bird® XS360TSPYK).....		32.26	13.65
32 84 13 00-0045	EA	12" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP12 With SQFUL).....		35.60	13.65
32 84 13 00-0046	EA	24" Height, Riser Assembly With Pressure Compensating Nozzle For Drip Emitter Irrigation Systems (Rain Bird® SQADP24 With SQFUL).....		35.95	13.65
32 84 13 00-0047	EA	4" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-400X With SQFUL) .....		52.16	17.89
		Note: Includes nozzle.			
32 84 13 00-0048	EA	6" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP-600X With SQFUL) .....		56.46	17.89
		Note: Includes nozzle.			
32 84 13 00-0049	EA	12" Pop-Up Height, Micro Spray Pop-Ups For Drip Emitter Irrigation Systems (Rain Bird® XP1200X With SQFUL) .....		57.55	17.89
		Note: Includes nozzle.			
<b>32 84 13 00-0050</b>		<b>Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS)</b> (32 84 13 00-0001)			
		Note: Brown or purple tubing. Includes layout, trenching 4" to 6", installing tubing and backfilling trench.			
32 84 13 00-0051	LF	0.536" ID, 0.634" OD, Subsurface Drip Emitter Irrigation Tubing (Rain Bird® XFS Copper Shield) .....		5.94	2.65
<b>32 84 23</b>		<b>Underground Sprinklers</b> (32 84)			
<b>32 84 23 00-0001</b>		<b>Sprinkler Heads</b> (32 84 23)			
<b>32 84 23 00-0002</b>		<b>Spray Sprinkler Heads</b> (32 84 23 00-0001)			
		Note: Includes plastic riser and case. Includes spray, variable arc or bubbler nozzle with partial or full circle coverage.			
32 84 23 00-0003	EA	2" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1802P).....		45.97	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0004	EA	4" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1804P).....		43.54	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0005	EA	6" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1806P).....		52.57	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0006	EA	12" Pop-Up Height, Spray Sprinkler Head (Rain Bird® 1812P).....		60.14	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0007	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1804-SAM).....		46.94	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0008	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1806-SAM).....		59.66	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0009	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve (Rain Bird® 1812-SAM) .....		65.78	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0010	EA	4" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1804-PRS).....		50.56	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0011	EA	6" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1806-PRS).....		62.15	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0012	EA	12" Pop-Up Height, Spray Sprinkler Head With Pressure Regulator (Rain Bird® 1812-PRS).....		67.87	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0013	EA	4" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1804-SAM-PRS).....		52.01	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0014	EA	6" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1806-SAM-PRS).....		69.80	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
32 84 23 00-0015	EA	12" Pop-Up Height, Spray Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 1812-SAM-PRS).....		75.44	16.76
		<i>For Rotary Nozzle, Add</i>		3.25	
<b>32 84 23 00-0016</b>		<b>Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0001)			
		Note: Maximum spacing is equivalent to maximum radius.			
<b>32 84 23 00-0017</b>		<b>1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0016)			
		Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.			
32 84 23 00-0018	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 3504PC).....		63.85	16.76
		<i>For Non-Potable Cover, Add</i>		2.00	
32 84 23 00-0019	EA	4" Pop-Up Height, 1/2" Inlet, Up To 35' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 3504-PC-SAM) .....		65.86	16.76
		<i>For Non-Potable Cover, Add</i>		2.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0020			<b>3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover and nozzle with partial or full circle coverage.		
32 84 23 00-0021	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5004-PLPC).....	59.01	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0022	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 5006-PLPC).....	80.76	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0023	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5004-PLPCS).....	63.04	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0024	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5006-PLPCS).....	83.98	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0025	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Pressure Regulator (Rain Bird® 5004+PCR).....	64.65	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0026	EA		4" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5004+FCSR).....	67.87	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0027	EA		6" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5006+PCSR).....	88.81	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0028	EA		12" Pop-Up Height, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5012+PCSR).....	101.69	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0029	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve (Rain Bird® 5000S-PLPCS).....	67.47	16.76
			For Non-Potable Cover, Add	2.00	
32 84 23 00-0030	EA		Shrub Type, 3/4" Inlet, Up To 55' Spacing, Gear-Drive, Rotary Sprinkler Head With Check Valve And Pressure Regulator (Rain Bird® 5000S+PCSR).....	80.35	16.76
			For Non-Potable Cover, Add	2.00	
32 84 23 00-0031			<b>1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0032	EA		4" Pop-Up Height, 1" Inlet, Up To 65' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® F4PC).....	110.95	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
			For Stainless Steel Riser And High Speed Rotor, Add	59.26	
32 84 23 00-0033			<b>1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Heads</b> (32 84 23 00-0016) Note: Includes plastic riser and case, standard rubber cover, check valve and nozzle with partial or full circle coverage.		
32 84 23 00-0034	EA		5" Pop-Up Height, 1" Inlet, Up To 80' Spacing, Gear-Drive, Rotary Sprinkler Head (Rain Bird® 8005).....	157.66	16.76
			For Non-Potable Cover, Add	2.00	
			For Stainless Steel Riser, Add	9.00	
32 84 23 00-0035			<b>Impact-Drive Sprinkler Heads</b> (32 84 23 00-0001) Note: Includes partial or full circle coverage. Maximum spacing is equivalent to maximum radius.		
32 84 23 00-0036	EA		1/2" Inlet, Up To 45' Spacing, Pop-Up, Impact-Drive Rotary Sprinkler Head (Rain Bird® 2045A-08).....	88.41	16.76
			For Non-Potable Cover, Add	2.00	
32 84 23 00-0037	EA		1/2" Inlet, Up To 45' Spacing, Riser Mounted, Plastic Body, Impact-Drive Sprinkler Head (Rain Bird® 2045-PJ08).....	69.08	16.76
32 84 23 00-0038	EA		3/4" Inlet, Up To 51' Spacing, Riser Mounted, Brass/Bronze Body, Impact-Drive Sprinkler Head (Rain Bird® 35A-ADJ-TNTB).....	133.47	16.76
32 84 23 00-0039			<b>Electric Remote Control Irrigation Valves</b> (32 84 23)		
32 84 23 00-0040			<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® DV Series)</b> (32 84 23 00-0039) Note: 15 to 150 PSI.		
32 84 23 00-0041	EA		3/4", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 75DV).....	193.81	69.83
32 84 23 00-0042	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100DV).....	193.81	69.83
32 84 23 00-0043	EA		1", 0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Angle Valve (Rain Bird® 100DVA).....	195.42	69.83
32 84 23 00-0044			<b>0.2 To 22 GPM, Plastic, Electric Remote Control Irrigation Valves With Flow Control (Rain Bird® DVF Series)</b> (32 84 23 00-0039) Note: 15 to 150 PSI.		
32 84 23 00-0045	EA		1", 0.2 To 40 GPM, Plastic, Electric Remote Control Irrigation Valve With Flow Control (Rain Bird® 100DVF).....	195.42	69.83
32 84 23 00-0046			<b>0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves (Rain Bird® PEB Series)</b> (32 84 23 00-0039) Note: 20 to 200 PSI.		
32 84 23 00-0047	EA		1", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 100PEB).....	324.26	69.83
32 84 23 00-0048	EA		1-1/2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 150PEB).....	380.63	69.83

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 84 23 00-0049	EA	2", 0.25 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve (Rain Bird® 200PEB) .....	453.10		69.83
<b>32 84 23 00-0050</b>		<b>5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® PEB PRS-D Series) (32 84 23 00-0039)</b> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0051	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100PEB PRS-D) .....	464.44		78.48
32 84 23 00-0052	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150PEB PRS-D) .....	520.81		78.48
32 84 23 00-0053	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200PEB PRS-D) .....	593.28		78.48
<b>32 84 23 00-0054</b>		<b>20 To 200 GPM, Plastic, Electric Remote Control Irrigation Valves With Pressure Regulator And Scrubber Valve (Rain Bird® PESB PRS-D Series) (32 84 23 00-0039)</b> Note: 20 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0055	EA	1", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 100PESB PRS-D) .....	544.97		78.48
32 84 23 00-0056	EA	1-1/2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 150PESB PRS-D) .....	601.34		78.48
32 84 23 00-0057	EA	2", 5 To 200 GPM, Plastic, Electric Remote Control Irrigation Valve With Pressure Regulator And Scrubber Valve (Rain Bird® 200PESB PRS-D) .....	673.81		78.48
<b>32 84 23 00-0058</b>		<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves (Hunter IBV Series) (32 84 23 00-0039)</b> Note: 20 to 200 PSI operating range pressure.			
32 84 23 00-0059	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B) .....	484.58		69.83
32 84 23 00-0060	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B) .....	743.73		69.83
32 84 23 00-0061	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B) .....	767.15		69.83
32 84 23 00-0062	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B) .....	1,805.35		94.26
<b>32 84 23 00-0063</b>		<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Rain Bird® EFB-CP Series) (32 84 23 00-0039)</b> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0064	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 100EFB-CP) .....	446.97		78.48
32 84 23 00-0065	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 125EFB-CP) .....	524.03		78.48
32 84 23 00-0066	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 150EFB-CP) .....	607.70		78.48
32 84 23 00-0067	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Rain Bird® 200EFB-CP) .....	717.86		78.48
<b>32 84 23 00-0068</b>		<b>0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves (Hunter IBV FS Series) (32 84 23 00-0039)</b> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.			
32 84 23 00-0069	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-101G-B-FS) .....	591.82		78.48
32 84 23 00-0070	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-151G-B-FS) .....	899.28		78.48
32 84 23 00-0071	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-201G-B-FS) .....	925.63		78.48
32 84 23 00-0072	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve (Hunter IBV-301G-B-FS) .....	1,930.01		78.48
<b>32 84 23 00-0073</b>		<b>0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV ACCU-SYNC Series) (32 84 23 00-0039)</b> Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.			
32 84 23 00-0074	EA	1", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-101G-B ACCU-SYNC-ADJ) .....	601.71		69.83
32 84 23 00-0075	EA	1-1/2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-151G-B ACCU-SYNC-ADJ) .....	860.86		69.83
32 84 23 00-0076	EA	2", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-201G-B ACCU-SYNC-ADJ) .....	884.28		69.83
32 84 23 00-0077	EA	3", 0.1 To 300 GPM, Brass, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV-301G-B ACCU-SYNC-ADJ) .....	1,922.48		94.26
<b>32 84 23 00-0078</b>		<b>5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Rain Bird® EFB-CP PRS-D Series) (32 84 23 00-0039)</b> Note: 15 to 200 PSI operating range pressure and 15 to 100 PSI pressure regulation.			
32 84 23 00-0079	EA	1", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 100EFB-CP PRS-D) .....	567.76		78.48
32 84 23 00-0080	EA	1-1/4", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 125EFB-CP PRS-D) .....	644.82		78.48
32 84 23 00-0081	EA	1-1/2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 150EFB-CP PRS-D) .....	728.49		78.48
32 84 23 00-0082	EA	2", 5 To 200 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Rain Bird® 200EFB-CP PRS-D) .....	838.64		78.48

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 84 23 00-0083		0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valves With Pressure Regulator (Hunter IBV FS ACCU-SYNC Series) <small>(32 84 23 00-0039)</small>		
		Note: 20 to 200 PSI operating range pressure and 20 to 100 PSI pressure regulation.		
32 84 23 00-0084	EA	1", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-101G-B-FS ACCU-SYNC-ADJ).....	708.95	78.48
32 84 23 00-0085	EA	1-1/2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-151G-B-FS ACCU-SYNC-ADJ).....	1,016.41	78.48
32 84 23 00-0086	EA	2", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-201G-B-FS ACCU-SYNC-ADJ).....	1,042.76	78.48
32 84 23 00-0087	EA	3", 0.1 To 300 GPM, Brass, Contamination Proof, Electric Remote Control Irrigation Valve With Pressure Regulator (Hunter IBV-301G-B-FS ACCU-SYNC-ADJ).....	2,047.13	78.48
32 84 23 00-0088		<b>Irrigation Valve Boxes</b> <small>(32 84 23)</small>		
		Note: Includes lid.		
32 84 23 00-0089	EA	6" Round Irrigation Valve Box With Lid (Rain Bird® PVB-6RND).....	118.02	50.27
32 84 23 00-0090	EA	7" Round Irrigation Valve Box With Lid (Rain Bird® VB-7RND).....	137.04	50.27
32 84 23 00-0091	EA	10" Round Irrigation Valve Box With Lid (Rain Bird® VB-10RND).....	179.76	66.19
32 84 23 00-0092	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-STD).....	290.96	96.63
32 84 23 00-0093	EA	21.8" x 16.6" x 12" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-STDH).....	296.23	96.63
32 84 23 00-0094	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lid (Rain Bird® VB-JMB).....	334.05	96.63
32 84 23 00-0095	EA	26.3" x 19.8" x 12.1" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-JMBH).....	338.56	96.63
32 84 23 00-0096	EA	33.1" x 23.8" x 15" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-SPRH).....	554.72	96.63
32 84 23 00-0097	EA	40.3" x 27.1" x 18" Depth, Rectangular Irrigation Valve Box With Lock (Rain Bird® VB-MAXH).....	834.69	96.63
32 84 23 00-0098		<b>Irrigation Controllers</b> <small>(32 84 23)</small>		
		See CSI section 27 15 13 00-0531 for low voltage wiring.		
32 84 23 00-0099		<b>Irrigation Controllers</b> <small>(32 84 23 00-0098)</small>		
32 84 23 00-0100		<b>Irrigation Controllers (Rain Bird®)</b> <small>(32 84 23 00-0099)</small>		
32 84 23 00-0101		<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP Series)</b> <small>(32 84 23 00-0100)</small>		
32 84 23 00-0102		<b>Four Program, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)</b> <small>(32 84 23 00-0101)</small>		
32 84 23 00-0103		<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-MEI Series)</b> <small>(32 84 23 00-0102)</small>		
32 84 23 00-0104	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	501.56	49.32
32 84 23 00-0105	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	700.99	49.32
32 84 23 00-0106	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	900.43	49.32
32 84 23 00-0107	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,099.85	49.32
32 84 23 00-0108	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,249.98	49.32
32 84 23 00-0109	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,455.57	49.32
32 84 23 00-0110	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-MEI Series).....	1,661.17	49.32
32 84 23 00-0111		<b>Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-ME Series)</b> <small>(32 84 23 00-0102)</small>		
32 84 23 00-0112	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	583.94	49.32
32 84 23 00-0113	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	783.36	49.32
32 84 23 00-0114	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	982.80	49.32
32 84 23 00-0115	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,182.23	49.32
32 84 23 00-0116	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,332.36	49.32
32 84 23 00-0117	EA	19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,537.94	49.32
32 84 23 00-0118	EA	22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-ME Series).....	1,743.54	49.32
32 84 23 00-0119		<b>Four Program, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)</b> <small>(32 84 23 00-0101)</small>		
32 84 23 00-0120		<b>Four Program, Indoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTEI Series)</b> <small>(32 84 23 00-0119)</small>		
32 84 23 00-0121	EA	4-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	787.71	49.32
32 84 23 00-0122	EA	7-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	987.13	49.32
32 84 23 00-0123	EA	10-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,186.57	49.32
32 84 23 00-0124	EA	13-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,386.00	49.32
32 84 23 00-0125	EA	16-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,536.13	49.32
32 84 23 00-0126	EA	19-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,741.71	49.32
32 84 23 00-0127	EA	22-Station, Four Program, Indoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTEI Series).....	1,947.31	49.32
32 84 23 00-0128		<b>Four Program, Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-SMTE Series)</b> <small>(32 84 23 00-0119)</small>		
32 84 23 00-0129	EA	4-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	849.43	49.32
32 84 23 00-0130	EA	7-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,048.86	49.32
32 84 23 00-0131	EA	10-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,248.30	49.32
32 84 23 00-0132	EA	13-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,447.72	49.32
32 84 23 00-0133	EA	16-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series).....	1,597.85	49.32



**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0134	EA		19-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	1,803.44	49.32
32 84 23 00-0135	EA		22-Station, Four Program, Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-SMTE Series) .....	2,009.03	49.32
<b>32 84 23 00-0136</b>			<b>Accessories For ESP-ME/MEI Irrigation Controllers</b> (32 84 23 00-0101)		
32 84 23 00-0137	EA		3-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM3).....	205.60	
			Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0138	EA		6-Station Expansion Module For ESP Series Irrigation Controllers (Rain Bird® ESP-SM6).....	394.01	
			Note: Use task for increasing capacity of existing ESP series irrigation controllers up to a maximum of 22-stations.		
32 84 23 00-0139	EA		Smart Controller Upgrade Kit For ESP Series Irrigation Controllers (Rain Bird® ESPSMTEUPG).....	540.98	
<b>32 84 23 00-0140</b>			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Series)</b> (32 84 23 00-0100)		
<b>32 84 23 00-0141</b>			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LX Basic Series)</b> (32 84 23 00-0140)		
32 84 23 00-0142	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,180.57	49.32
32 84 23 00-0143	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,431.36	49.32
32 84 23 00-0144	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,686.13	49.32
32 84 23 00-0145	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	1,936.91	49.32
32 84 23 00-0146	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,191.69	49.32
32 84 23 00-0147	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,442.46	49.32
32 84 23 00-0148	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,697.25	49.32
32 84 23 00-0149	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	2,948.03	49.32
32 84 23 00-0150	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	3,202.81	49.32
32 84 23 00-0151	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LX Basic Series).....	3,453.59	49.32
<b>32 84 23 00-0152</b>			<b>Four Program, Indoor/Outdoor Mount, Modular Irrigation Controllers (Rain Bird® ESP-LXME Series)</b> (32 84 23 00-0140)		
32 84 23 00-0153	EA		8-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,169.49	49.32
32 84 23 00-0154	EA		12-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,420.27	49.32
32 84 23 00-0155	EA		16-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,675.05	49.32
32 84 23 00-0156	EA		20-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	1,925.83	49.32
32 84 23 00-0157	EA		24-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	2,180.61	49.32
32 84 23 00-0158	EA		28-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	2,431.39	49.32
32 84 23 00-0159	EA		32-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	2,686.16	49.32
32 84 23 00-0160	EA		36-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	2,936.96	49.32
32 84 23 00-0161	EA		40-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	3,191.73	49.32
32 84 23 00-0162	EA		44-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	3,442.51	49.32
32 84 23 00-0163	EA		48-Station, Four Program, Indoor/Outdoor Mount, Modular Irrigation Controller (Rain Bird® ESP-LXME Series) .....	3,697.29	49.32
<b>32 84 23 00-0164</b>			<b>Accessories For ESP-LX/LXME Irrigation Controllers</b> (32 84 23 00-0140)		
32 84 23 00-0165	EA		Powder Coated Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMM).....	852.37	
32 84 23 00-0166	EA		Powder Coated Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMPED + LXMM).....	1,974.42	
			Note: Excludes concrete foundation.		
32 84 23 00-0167	EA		Stainless Steel Wall Cabinet For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSS) .....	1,861.12	
32 84 23 00-0168	EA		Stainless Steel Cabinet And Pedestal For ESP-LX/LXME Irrigation Controllers (Rain Bird® LXMMSSPED + LXMMSS) .....	4,131.75	
			Note: Excludes concrete foundation.		
32 84 23 00-0169	EA		4-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM4) .....	250.78	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0170	EA		8-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM8) .....	505.56	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0171	EA		12-Station Expansion Module For ESP-LX/LXME Irrigation Controllers (Rain Bird® ESPLXMSM12) .....	783.81	
			Note: Use task for increasing capacity of existing ESP-LX/LXME irrigation controllers up to a maximum of 48-stations.		
32 84 23 00-0172	EA		Flow Smart Water Management Module For ESP-LXME Irrigation Controllers (Rain Bird® FSM-LXME).....	288.39	
<b>32 84 23 00-0173</b>			<b>Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)</b> (32 84 23 00-0100)		
<b>32 84 23 00-0174</b>			<b>Three Program, Battery-Operated, Buriable Irrigation Control Modules (Rain Bird® TBOS-II Series)</b> (32 84 23 00-0173)		
32 84 23 00-0175	EA		1-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	567.43	49.32
32 84 23 00-0176	EA		2-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	686.64	49.32
32 84 23 00-0177	EA		4-Station, Three Program, Battery-Operated, Buriable Irrigation Control Module (Rain Bird® TBOS-II Series).....	857.18	49.32
<b>32 84 23 00-0178</b>			<b>Accessories For TBOS-II Series Irrigation Controllers</b> (32 84 23 00-0173)		
32 84 23 00-0179	EA		Field Transmitter For TBOS-II Series Irrigation Controllers (Rain Bird® TBOS2FTUS).....	699.13	
32 84 23 00-0180	EA		Potted Latching Solenoid For TBOS-II Series Irrigation Controllers (Rain Bird® TBOSPSOL) .....	145.55	36.98
<b>32 84 23 00-0181</b>			<b>Accessories For Irrigation Controllers (Rain Bird®)</b> (32 84 23 00-0100)		
32 84 23 00-0182	EA		Wired Rain Sensor For Irrigation Controllers (Rain Bird® RSDBEX).....	213.87	36.98

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0183	EA		Wireless Rain Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RC).....	432.34	36.98
32 84 23 00-0184	EA		Wireless Rain/Freeze Sensor And Controller Interface For Irrigation Controllers (Rain Bird® WR2RFC).....	456.31	36.98
32 84 23 00-0185	EA		Soil Moisture Sensor And Controller Interface For Irrigation Controllers (Rain Bird® SMRT-Y).....	664.05	36.98
<b>32 84 23 00-0186</b>			<b>Two-Wire Decoder Systems (32 84 23 00-0098)</b>		
<b>32 84 23 00-0187</b>			<b>Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0186)</b>		
<b>32 84 23 00-0188</b>			<b>Controllers For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series) (32 84 23 00-0187)</b>		
			Note: Includes water resistant cabinet.		
32 84 23 00-0189	EA		50-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	3,354.74	49.32
32 84 23 00-0190	EA		125-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	4,836.97	49.32
32 84 23 00-0191	EA		200-Station, Modular Controller For Two-Wire Decoder Systems (Rain Bird® ESP-LXD Series).....	6,319.19	49.32
<b>32 84 23 00-0192</b>			<b>Field Decoders For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0187)</b>		
32 84 23 00-0193	EA		One Individual Valve Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD101TURF).....	415.25	49.32
32 84 23 00-0194	EA		One Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD102TURF).....	527.81	49.32
32 84 23 00-0195	EA		Two Pair Of Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD202TURF).....	787.63	49.32
32 84 23 00-0196	EA		Up To Four Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD401TURF).....	956.97	49.32
32 84 23 00-0197	EA		Up To Six Individual Valves Interface, Field Decoder For Two-Wire Decoder System (Rain Bird® FD601TURF).....	1,577.14	49.32
<b>32 84 23 00-0198</b>			<b>Accessories For Two-Wire Decoder Systems (Rain Bird®) (32 84 23 00-0187)</b>		
32 84 23 00-0199	EA		50-Station Replacement Base Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® MOD50-LXD).....	2,501.73	
32 84 23 00-0200	EA		75-Station Expansion Module For ESP-LXD Series Two Wire Decoder Based Controllers (Rain Bird® SPLXDSM75).....	1,482.22	
32 84 23 00-0201	EA		Line Surge Protection For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® LSP1TURF).....	314.36	43.15
32 84 23 00-0202	EA		Sensor Decoder Interface For ESP-LXD Series Two-Wire Decoder Systems (Rain Bird® SD210TURF).....	1,391.71	49.32
<b>32 84 23 00-0203</b>			<b>Satellite Irrigation Controllers (Rain Bird® ESP-SAT) (32 84 23 00-0098)</b>		
			Note: Satellite controllers compatible with Maxi-Con Central Control. Includes link communication with SEMET at the controller and stainless steel cabinet. Excludes concrete pad.		
32 84 23 00-0204	EA		12 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP12SATLS).....	5,011.89	277.39
32 84 23 00-0205	EA		24 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP24SATLS).....	5,285.60	292.80
32 84 23 00-0206	EA		40 Station, Satellite Irrigation Controller With Stainless Steel Cabinet (Rain Bird® RBESP40SATLS).....	7,302.78	308.21
<b>32 84 23 00-0207</b>			<b>Irrigation Valves (32 84 23)</b>		
<b>32 84 23 00-0208</b>			<b>Reduced Pressure Zone Valves With QT Shut-Offs (32 84 23 00-0207)</b>		
			Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
32 84 23 00-0209	EA		3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series).....	906.40	57.62
32 84 23 00-0210	EA		1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,076.22	70.36
32 84 23 00-0211	EA		1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,617.03	81.88
32 84 23 00-0212	EA		1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	1,712.28	94.02
32 84 23 00-0213	EA		2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series).....	2,058.05	121.31
<b>32 84 23 00-0214</b>			<b>Brass Quick-Coupling Irrigation Valves (32 84 23 00-0207)</b>		
32 84 23 00-0215	EA		3/4", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 3RC).....	214.79	50.27
			For Valve Key, Add	59.19	
32 84 23 00-0216	EA		3/4", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 33DRC).....	221.64	50.27
			For Locking Cover, Add	25.00	
			For Valve Key, Add	59.19	
32 84 23 00-0217	EA		1", 1-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44RC).....	296.93	50.27
			For Valve Key, Add	151.39	
32 84 23 00-0218	EA		1", 2-Piece Brass Body, Quick-Coupling Irrigation Valve (Rain Bird® 44LRC).....	324.31	50.27
			For Valve Key, Add	151.39	
<b>32 84 23 00-0219</b>			<b>Anti-Siphon Pressure Type Vacuum Breaker (32 84 23 00-0207)</b>		
			Note: Pressure: 15 to 150 PSI, temperature: 33 to 140 degrees Fahrenheit.		
32 84 23 00-0220	EA		3/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	319.62	42.45
32 84 23 00-0221	EA		1" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	453.39	48.52
32 84 23 00-0222	EA		1-1/4" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	811.35	56.11
32 84 23 00-0223	EA		1-1/2" Anti-Siphon Pressure Type Vacuum Breaker (Watts 800M4QT).....	987.26	62.17
32 84 23 00-0224	EA		2" Anti-Siphon Pressure Type Vacuum Breaker.....	1,000.03	75.81
<b>32 84 23 00-0225</b>			<b>Manual Sprinkler Control Valves (32 84 23 00-0207)</b>		
32 84 23 00-0226	EA		3/4" Manual Sprinkler Control Valves, With Union.....	117.48	40.94
32 84 23 00-0227	EA		1" Manual Sprinkler Control Valves, With Union.....	143.07	43.97
32 84 23 00-0228	EA		1-1/4" Manual Sprinkler Control Valves, With Union.....	215.74	55.65
32 84 23 00-0229	EA		1-1/2" Manual Sprinkler Control Valves, With Union.....	255.20	64.14
32 84 23 00-0230	EA		2" Manual Sprinkler Control Valves, With Union.....	339.13	75.81
<b>32 84 23 00-0231</b>			<b>Irrigation Piping (32 84 23)</b>		
32 84 23 00-0232	LF		3/4" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings.....	4.43	1.74
			For >1,000, Deduct	-0.22	

**32 Exterior Improvements****32 80 Irrigation****32 84 Planting Irrigation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 84 23 00-0233	LF		1" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings .....	5.38	2.10
			<i>For &gt;1,000, Deduct</i>	-0.27	
32 84 23 00-0234	LF		1-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings .....	7.81	2.65
			<i>For &gt;1,000, Deduct</i>	-0.39	
32 84 23 00-0235	LF		2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings .....	10.21	3.33
			<i>For &gt;1,000, Deduct</i>	-0.51	
32 84 23 00-0236	LF		2-1/2" Class 200 Polyvinyl Chloride (PVC) Socketweld Pipe With Fittings .....	13.42	3.88
			<i>For &gt;1,000, Deduct</i>	-0.67	
<b>32 84 23 00-0237</b>			<b>Irrigation Swing Joints</b> <small>(32 84 23)</small>		
32 84 23 00-0238	EA		3/4" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12075) .....	81.94	27.79
32 84 23 00-0239	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint (Rain Bird® TSJ12) .....	93.24	31.03
32 84 23 00-0240	EA		1" Male NPT, 12" Length, Polyvinyl Chloride (PVC) Irrigation Swing Joint With 70 PSI Pressure Regulator (Rain Bird® TSJ100PRS) .....	125.46	31.03
<b>32 84 23 00-0241</b>			<b>Irrigation Control Wire</b> <small>(32 84 23)</small>		
			Note: Excludes excavation and backfill.		
<b>32 84 23 00-0242</b>			<b>18 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0241)</small>		
32 84 23 00-0243	CLF		1-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	62.83	20.95
32 84 23 00-0244	CLF		2-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	81.45	24.43
32 84 23 00-0245	CLF		3-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	93.66	27.92
32 84 23 00-0246	CLF		4-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	107.04	31.42
32 84 23 00-0247	CLF		5-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	121.58	34.91
32 84 23 00-0248	CLF		6-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	144.27	38.40
32 84 23 00-0249	CLF		7-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	166.07	41.89
32 84 23 00-0250	CLF		8-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	180.41	45.38
32 84 23 00-0251	CLF		9-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	197.79	48.88
32 84 23 00-0252	CLF		10-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	217.60	52.37
32 84 23 00-0253	CLF		11-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	225.72	55.86
32 84 23 00-0254	CLF		12-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	235.02	59.35
32 84 23 00-0255	CLF		13-Conductor, 18 AWG, Irrigation Control Wire, Buried In Trench .....	248.03	62.84
<b>32 84 23 00-0256</b>			<b>16 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0241)</small>		
32 84 23 00-0257	CLF		1-Conductor, 16 AWG, Irrigation Control Wire, Buried In Trench .....	65.92	20.95
<b>32 84 23 00-0258</b>			<b>14 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0241)</small>		
32 84 23 00-0259	CLF		1-Conductor, 14 AWG, Irrigation Control Wire, Buried In Trench .....	65.93	20.95
<b>32 84 23 00-0260</b>			<b>12 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0241)</small>		
32 84 23 00-0261	CLF		1-Conductor, 12 AWG, Irrigation Control Wire, Buried In Trench .....	86.38	20.95
<b>32 84 23 00-0262</b>			<b>10 AWG, Irrigation Control Wire, Buried In Trench</b> <small>(32 84 23 00-0241)</small>		
32 84 23 00-0263	CLF		1-Conductor, 10 AWG, Irrigation Control Wire, Buried In Trench .....	112.30	20.95
<b>32 84 23 00-0264</b>			<b>Root Watering Systems</b> <small>(32 84 23)</small>		
			Note: Includes swing assembly.		
32 84 23 00-0265	EA		0.25 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1401) .....	132.70	27.92
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0266	EA		0.25 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1401) .....	143.36	27.92
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0267	EA		0.5 GPM Bubbler On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-1402) .....	132.70	27.92
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0268	EA		0.5 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1402) .....	143.36	27.92
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0269	EA		1 GPM Bubbler And Check Valve On Riser, 36" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-B-C-1404) .....	143.36	27.92
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0270	EA		0.25 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1401) .....	115.15	24.43
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0271	EA		0.25 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1401) .....	125.38	24.43
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0272	EA		0.5 GPM Bubbler On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-1402) .....	115.15	24.43
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0273	EA		0.5 GPM Bubbler And Check Valve On Riser, 18" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-M-B-C-1402) .....	125.38	24.43
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0274	EA		0.25 GPM Bubbler On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-1401) .....	77.14	20.95
			<i>For Root Watering Sand Sock, Add</i>	1.79	
32 84 23 00-0275	EA		0.25 GPM Bubbler And Check Valve On Riser, 10" Tube, 4" Diameter Grate, Root Watering System (Rain Bird® RWS-S-B-C-1401) .....	86.89	20.95
			<i>For Root Watering Sand Sock, Add</i>	1.79	

**32 90 Planting** (32)

Note: Plant installation includes the initial watering only. The extended watering period for the establishment of lawns, plants and trees is

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

addressed on a per plant per amount per occurrence basis as directed in the specification. cvs = cultivar or cultivated varieties. See CSI section 32 01 90 26-0000 for additional "extended watering period" tasks.

**32 91 Planting Preparation (32 91)**

**32 91 13 Soil Preparation (32 91)**

**32 91 13 16 Mulching (32 91 13)**

**32 91 13 16-0001 Mulch (32 91 13 16)**

Note: Includes loading, delivery up to 15 miles and spreading. 1 CY = 108 SF of mulch spread 3" thick. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles.

32 91 13 16-0002	CY	Pea Gravel Mulch .....	151.91
		<i>For &gt;5 To 20, Deduct</i>	-12.36
		<i>For &gt;20 To 50, Deduct</i>	-18.54
		<i>For &gt;50, Deduct</i>	-26.14
32 91 13 16-0003	CY	Stone/Gravel Mulch, Marble Chips .....	330.11
		<i>For &gt;5 To 20, Deduct</i>	-21.27
		<i>For &gt;20 To 50, Deduct</i>	-31.91
		<i>For &gt;50, Deduct</i>	-48.41
32 91 13 16-0004	CY	Stone Mulch, Decomposed Granite Chips .....	175.03
		<i>For &gt;5 To 20, Deduct</i>	-13.52
		<i>For &gt;20 To 50, Deduct</i>	-20.28
		<i>For &gt;50, Deduct</i>	-29.03
32 91 13 16-0005	CY	Pine Bark Nugget Mulch .....	127.07
		<i>For &gt;5 To 20, Deduct</i>	-11.12
		<i>For &gt;20 To 50, Deduct</i>	-16.68
		<i>For &gt;50, Deduct</i>	-23.03
32 91 13 16-0006	CY	Hardwood Bark Nugget Mulch .....	125.80
		<i>For &gt;5 To 20, Deduct</i>	-11.06
		<i>For &gt;20 To 50, Deduct</i>	-16.59
		<i>For &gt;50, Deduct</i>	-22.88
32 91 13 16-0007	CY	Pine Wood Chip Mulch .....	123.26
		<i>For &gt;5 To 20, Deduct</i>	-10.93
		<i>For &gt;20 To 50, Deduct</i>	-16.40
		<i>For &gt;50, Deduct</i>	-22.56
32 91 13 16-0008	CY	Hardwood Chip Mulch .....	128.34
		<i>For &gt;5 To 20, Deduct</i>	-11.18
		<i>For &gt;20 To 50, Deduct</i>	-16.78
		<i>For &gt;50, Deduct</i>	-23.19
32 91 13 16-0009	CY	Shredded Hardwood Mulch .....	128.34
		<i>For &gt;5 To 20, Deduct</i>	-11.18
		<i>For &gt;20 To 50, Deduct</i>	-16.78
		<i>For &gt;50, Deduct</i>	-23.19
32 91 13 16-0010	CY	Shredded Pine Mulch .....	116.92
		<i>For &gt;5 To 20, Deduct</i>	-10.61
		<i>For &gt;20 To 50, Deduct</i>	-15.92
		<i>For &gt;50, Deduct</i>	-21.77
32 91 13 16-0011	CY	Shredded Cedar Mulch .....	141.67
		<i>For &gt;5 To 20, Deduct</i>	-11.85
		<i>For &gt;20 To 50, Deduct</i>	-17.78
		<i>For &gt;50, Deduct</i>	-24.86
32 91 13 16-0012	CY	Shredded Cypress Mulch .....	139.76
		<i>For &gt;5 To 20, Deduct</i>	-11.76
		<i>For &gt;20 To 50, Deduct</i>	-17.63
		<i>For &gt;50, Deduct</i>	-24.62
32 91 13 16-0013	CY	Shredded Redwood Mulch .....	144.84
		<i>For &gt;5 To 20, Deduct</i>	-12.01
		<i>For &gt;20 To 50, Deduct</i>	-18.01
		<i>For &gt;50, Deduct</i>	-25.26
32 91 13 16-0014	CY	Chunk Recycled Tire Mulch .....	210.94
		<i>For &gt;5 To 20, Deduct</i>	-16.65
		<i>For &gt;20 To 50, Deduct</i>	-24.98
		<i>For &gt;50, Deduct</i>	-35.53
32 91 13 16-0015	CY	Chunk Colored Recycled Tire Mulch .....	298.52
		<i>For &gt;5 To 20, Deduct</i>	-21.03
		<i>For &gt;20 To 50, Deduct</i>	-31.55
		<i>For &gt;50, Deduct</i>	-46.47
32 91 13 16-0016	CY	Shredded Recycled Tire Mulch .....	299.79
		<i>For &gt;5 To 20, Deduct</i>	-21.09
		<i>For &gt;20 To 50, Deduct</i>	-31.64
		<i>For &gt;50, Deduct</i>	-46.63
32 91 13 16-0017	CY	Shredded Colored Recycled Tire Mulch .....	474.94
		<i>For &gt;5 To 20, Deduct</i>	-29.85
		<i>For &gt;20 To 50, Deduct</i>	-44.78
		<i>For &gt;50, Deduct</i>	-68.53
32 91 13 16-0018	EA	Pine Straw Mulch Bale.....	9.81
		Note: Covers 50 SF at a thickness of 2" to 4" forming a uniform mat through which none of the original ground surface can be seen.	
		<i>For &gt;100 To 250, Deduct</i>	-0.76
		<i>For &gt;250 To 500, Deduct</i>	-1.03
		<i>For &gt;500, Deduct</i>	-1.25
32 91 13 16-0019	EA	Wheat Straw Mulch Bale .....	9.25
		Note: Covers 350 SF forming a uniform mat through which 20 to 40% of the original ground surface can be seen.	
		<i>For &gt;100 To 250, Deduct</i>	-0.66
		<i>For &gt;250 To 500, Deduct</i>	-0.87
		<i>For &gt;500, Deduct</i>	-1.13

**32 91 13 26 Planting Beds (32 91 13)**

Note: Not for use when installing trees and shrubs.

**32 Exterior Improvements****32 90 Planting****32 91 Planting Preparation**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 91 13 26-0001			<b>Plant Bed Preparation</b> (32 91 13 26) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0002	SF		Up To 8" Deep, Prepare And Mix Plant Bed, By Machine ..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.50	
32 91 13 26-0003	SF		>8" To 13" Deep, Prepare And Mix Plant Bed, By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	1.73	
32 91 13 26-0004	SF		>13" To 18" Deep, Prepare And Mix Plant Bed, By Machine..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	2.03	
32 91 13 26-0005	SF		Up To 8" Deep, Prepare And Mix Plant Bed By Hand ..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	7.13	
32 91 13 26-0006	SF		>8" To 13" Deep, Prepare And Mix Plant Bed By Hand..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	8.19	
32 91 13 26-0007	SF		>13" To 18" Deep, Prepare And Mix Plant Bed By Hand..... Note: Includes loosening subgrade, removing stones, sticks, roots, rubbish, and raking surface. Excludes soil amendments.	9.63	
32 91 13 26-0008			<b>Planting Pit Preparation</b> (32 91 13 26) Note: Not for use when installing trees and shrubs.		
32 91 13 26-0009	CY		Excavate Planting Pit By Hand, Sandy Soil ..... Note: For use with existing planting pits.	123.28	
32 91 13 26-0010	CY		Excavate Planting Pit By Hand, Heavy Soil ..... Note: For use with existing planting pits.	246.57	
32 91 13 26-0011	CY		Excavate Planting Pit By Machine, Sandy Soil ..... Note: For use with existing planting pits.	17.98	
32 91 13 26-0012	CY		Excavate Planting Pit By Machine, Heavy Soil ..... Note: For use with existing planting pits.	23.41	
32 91 13 26-0013	CY		Backfill Planting Pit By Hand With Topsoil From Stockpile .....	109.56	
32 91 13 26-0014	CY		Backfill Planting Pit By Hand With Contractor Furnished Planting Mix .....	143.76	
32 91 13 26-0015	CY		Backfill Planting Pit By Machine, With Topsoil From Stockpile .....	10.16	
32 91 13 26-0016	CY		Backfill Planting Pit By Machine, With Contractor Furnished Planting Mix.....	69.97	
32 91 13 26-0017			<b>Weed Barrier</b> (32 91 13 26)		
32 91 13 26-0018	SY		Up To 3 Oz/SY Non-Woven, Polypropylene Weed Barrier .....	2.68	
32 91 13 26-0019	SY		4 Oz/SY Woven, Polypropylene Weed Barrier.....	3.56	
32 91 13 26-0020	SY		5 Oz/SY Woven, Needle Punched Polypropylene Weed Barrier .....	3.94	
32 91 13 33			<b>Soil Conditioners</b> (32 91 13)		
32 91 13 33-0001			<b>Spread Soil Conditioners</b> (32 91 13 33)		
32 91 13 33-0002	SY		Aluminum Sulfate 1 LB/SY, Push Spreader.....	0.45	
32 91 13 33-0003	MSF		Aluminum Sulfate 110 LB/MSF Tractor Spreader.....	41.20	
32 91 13 33-0004	MSF		Fertilizer, 20 LB/MSF, Push Spreader .....	9.52	
32 91 13 33-0005	MSF		Fertilizer, 20 LB/MSF, Tractor Spread .....	3.46	
32 91 13 33-0006	MSF		Fertilizer, 20 LB/MSF, Truck Spread.....	6.14	
32 91 13 33-0007	SY		Pelletized Lime, 1 LB/SY, Push Spreader.....	0.12	
32 91 13 33-0008	MSF		Pelletized Lime, 110 LB/MSF, Tractor Spreader.....	8.16	
32 91 13 33-0009	SY		Perlite, 1" Deep, Push Spreader .....	3.73	
32 91 13 33-0010	MSF		Perlite, 1" Deep, Tractor Spreader.....	385.92	
32 91 13 33-0011	SY		Vermiculite, Push Spreader .....	3.46	
32 91 13 33-0012	MSF		Vermiculite, Tractor Spreader.....	376.99	
32 91 13 36			<b>Lawn Bed Preparation</b> (32 91 13)		
32 91 13 36-0001			<b>Lawn Bed Preparation</b> (32 91 13 36)		
32 91 13 36-0002	MSF		Rake Topsoil With Machine .....	114.03	
32 91 13 36-0003	MSF		Rake Topsoil By Hand .....	98.61	
32 91 13 36-0004	MSF		Screen Loam By Hand.....	65.74	
32 91 13 36-0005	SY		Roll Topsoil With Machine .....	1.44	
32 91 13 36-0006	SY		Roll Topsoil By Hand .....	4.41	
32 91 13 36-0007	MSF		Removal Of Rocks And Debris With Machine.....	13.49	
32 91 13 36-0008	MSF		Root Raking And Loading, No Boulders .....	70.57	
32 91 13 36-0009	MSF		Root Raking And Loading, With Boulders.....	117.62	
32 91 13 36-0010	MSF		Up To 6" Deep Tilling Topsoil With Tractor .....	6.23	
32 91 13 36-0011	MSF		>6" To 12" Deep Tilling Topsoil With Tractor .....	12.62	
32 91 13 36-0012	SY		Up To 2" Deep Tilling Topsoil With Rototiller .....	1.04	
32 91 13 36-0013	SY		>2" To 4" Deep Tilling Topsoil With Rototiller .....	1.25	
32 91 13 36-0014	SY		>4" To 6" Deep Tilling Topsoil With Rototiller .....	1.57	
32 91 13 36-0015	LF		"V" Cut Soil For Edge Of Planting Beds.....	1.74	
32 91 13 36-0016	MSF		Removal Of Rocks And Debris By Hand.....	42.81	
32 91 13 36-0017			<b>Sod Removal</b> (32 91 13 36)		
32 91 13 36-0018	SY		Removal Of Sod By Hand.....	8.31	
32 91 13 36-0019	SY		Removal Of Sod With Machine.....	0.84	
32 91 13 36-0020	SY		Pile Sod By Hand.....	4.93	
32 91 13 36-0021	SY		Pile Sod With Machine.....	1.57	



MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**32 91 19 Landscape Grading (32 91)**

**32 91 19 13 Topsoil Placement and Grading (32 91 19)**

<b>32 91 19 13-0001</b>	<b>Remove And Stockpile Topsoil On Site (32 91 19 13)</b>		
32 91 19 13-0002	CY Removal Of Topsoil, 4" Deep Stockpile On Site.....		5.99
32 91 19 13-0003	CY Removal Of Topsoil, 6" Deep Stockpile On Site.....		5.93
<b>32 91 19 13-0004</b>	<b>Screening Topsoil (32 91 19 13)</b>		
32 91 19 13-0005	CY Screen Topsoil With Vibrating Screen, Wet Material (Organic).....		13.26
32 91 19 13-0006	CY Screen Topsoil With Vibrating Screen, Dry Material.....		8.84
<b>32 91 19 13-0007</b>	<b>Spreading Topsoil From Stockpile (32 91 19 13)</b>		
32 91 19 13-0008	CY Spread Topsoil By Machine From Stockpile.....		10.60
32 91 19 13-0009	CY Spread Topsoil By Hand From Stockpile.....		94.10
<b>32 91 19 13-0010</b>	<b>Furnish And Place Imported Screened Topsoil (32 91 19 13)</b>		
	Note: Includes delivery up to 15 miles from the closest approved source and spread by machine. Excludes hand spreading. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles, 31 23 16 36-0030 for hand spreading.		
32 91 19 13-0011	SY Furnish And Place Imported Screened Topsoil, 2" Deep.....		4.29
	For Unscreened, Deduct		-0.49
32 91 19 13-0012	SY Furnish And Place Imported Screened Topsoil, 4" Deep.....		8.19
	For Unscreened, Deduct		-0.97
32 91 19 13-0013	SY Furnish And Place Imported Screened Topsoil, 6" Deep.....		11.76
	For Unscreened, Deduct		-1.46
32 91 19 13-0014	SY Furnish And Place Imported Screened Topsoil, 9" Deep.....		16.88
	For Unscreened, Deduct		-2.19
32 91 19 13-0015	SY Furnish And Place Imported Screened Topsoil, 12" Deep.....		21.98
	For Unscreened, Deduct		-2.92
32 91 19 13-0016	CY Furnish And Place Imported Screened Topsoil, Over 12" Deep.....		59.72
	For Unscreened, Deduct		-8.75
<b>32 91 19 13-0017</b>	<b>Scarify Soil For Planting Preparation (32 91 19 13)</b>		
	Note: Ripped in multiple directions with 3" maximum clods.		
32 91 19 13-0018	MSF Up To 5,000 SF Scarify Up To 8" Soil With Machine.....		84.17
32 91 19 13-0019	MSF >5,000 To 20,000 SF Scarify Up To 8" Soil With Machine.....		58.90
32 91 19 13-0020	MSF >20,000 SF Scarify Up To 8" Soil With Machine.....		34.34

**32 92 Turf and Grasses (32 90)**

**32 92 19 Seeding (32 92)**

**32 92 19 13 Mechanical Seeding (32 92 19)**

Note: Includes fertilizing, liming, mixing, seeding and initial watering.

<b>32 92 19 13-0001</b>	<b>Tractor Spreader Mechanical Seeding (32 92 19 13)</b>		
	Note: Excludes straw.		
32 92 19 13-0002	MSF Common Bluegrass, Tractor Spreader.....		50.36
	Note: 4 LB/MSF spread rate.		
32 92 19 13-0003	MSF Tall Fescue, Tractor Spreader.....		41.26
	Note: 5.5 LB/MSF spread rate.		
32 92 19 13-0004	MSF Rye, Tractor Spreader.....		41.91
	Note: 10 LB/MSF spread rate.		
32 92 19 13-0005	MSF Shade Mix, Tractor Spreader.....		45.18
	Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.		
32 92 19 13-0006	MSF Turf Mix, Tractor Spreader.....		47.53
	Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.		
32 92 19 13-0007	MSF Slope Mix, Tractor Spreader.....		44.40
	Note: 6 LB/MSF spread rate.		
32 92 19 13-0008	MSF Utility Mix, Tractor Spreader.....		40.49
	Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.		
32 92 19 13-0009	MSF Wild Flower Mix, Tractor Spreader.....		33.11
	Note: 0.10 LB/MSF spread rate.		
32 92 19 13-0010	MSF Crown Vetch Mix, Tractor Spreader.....		91.44
	Note: 4 LB/MSF spread rate.		
32 92 19 13-0011	MSF Athletic Mix, Tractor Spreader.....		56.94
	Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.		
32 92 19 13-0012	MSF White Clover Mix, Tractor Spreader.....		33.03
	Note: 7 LB/MSF spread rate.		
32 92 19 13-0013	MSF Ladino Clover Mix, Tractor Spreader.....		36.17
	Note: 7 LB/MSF spread rate.		
<b>32 92 19 13-0014</b>	<b>Hydro Or Air Mechanical Seeding (32 92 19 13)</b>		
32 92 19 13-0015	MSF Common Bluegrass, Hydro Or Air Seeding.....		106.38
	Note: 4 LB/MSF spread rate.		
	For >45, Deduct		-8.84
	For Tackifier, Add		1.47

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 92 19 13-0016	MSF		Tall Fescue, Hydro Or Air Seeding ..... Note: 5.5 LB/MSF spread rate.	111.87	
			<i>For &gt;45, Deduct</i>	-9.11	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0017	MSF		Rye, Hydro Or Air Spread ..... Note: 10 LB/MSF spread rate.	106.61	
			<i>For &gt;45, Deduct</i>	-8.85	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0018	MSF		Shade Mix, Hydro Or Air Seeding ..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass.	106.38	
			<i>For &gt;45, Deduct</i>	-8.84	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0019	MSF		Turf Mix, Hydro Or Air Seeding ..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass.	111.87	
			<i>For &gt;45, Deduct</i>	-9.11	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0020	MSF		Slope Mix, Hydro Or Air Seeding ..... Note: 6 LB/MSF spread rate.	109.52	
			<i>For &gt;45, Deduct</i>	-8.99	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0021	MSF		Utility Mix, Hydro Or Air Seeding ..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass.	107.62	
			<i>For &gt;45, Deduct</i>	-8.90	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0022	MSF		Wild Flower Mix, Hydro Or Air Seeding ..... Note: 0.10 LB/MSF spread rate.	101.51	
			<i>For &gt;45, Deduct</i>	-8.59	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0023	MSF		Crown Vetch Mix, Hydro Or Air Seeding ..... Note: 4 LB/MSF spread rate.	156.55	
			<i>For &gt;45, Deduct</i>	-11.34	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0024	MSF		Athletic Mix, Hydro Or Air Seeding ..... Note: 8 LB/MSF spread rate. Mixture of three varieties of drought resistant bluegrass, tall fescue and Kentucky bluegrass.	139.32	
			<i>For &gt;45, Deduct</i>	-10.48	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0025	MSF		White Clover Mix, Hydro Or Air Seeding ..... Note: 7 LB/MSF spread rate.	94.07	
			<i>For &gt;45, Deduct</i>	-8.22	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0026	MSF		Ladino Clover Mix, Hydro Or Air Seeding ..... Note: 7 LB/MSF spread rate.	103.25	
			<i>For &gt;45, Deduct</i>	-8.68	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0027	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Hydro Or Air Spread ..... Note: 4 LB/MSF spread rate.	107.95	
			<i>For &gt;45, Deduct</i>	-8.91	
			<i>For Tackifier, Add</i>	1.47	
32 92 19 13-0028	MSF		2,500 LB/Acre, High Performance - Flexible Growth Medium ..... Note: Applied with seed. Excludes seed.	122.69	
			<i>For &gt;45, Deduct</i>	-7.89	
32 92 19 13-0029	MSF		3,000 LB/Acre, High Performance - Flexible Growth Medium ..... Note: Applied with seed. Excludes seed.	141.96	
			<i>For &gt;45, Deduct</i>	-8.94	
32 92 19 13-0030	MSF		3,500 LB/Acre, High Performance - Flexible Growth Medium ..... Note: Applied with seed. Excludes seed.	161.32	
			<i>For &gt;45, Deduct</i>	-10.01	
32 92 19 13-0031	MSF		4,000 LB/Acre, High Performance - Flexible Growth Medium ..... Note: Applied with seed. Excludes seed.	180.73	
			<i>For &gt;45, Deduct</i>	-11.07	
32 92 19 13-0032	MSF		4,500 LB/Acre, High Performance - Flexible Growth Medium ..... Note: Applied with seed. Excludes seed.	200.29	
			<i>For &gt;45, Deduct</i>	-12.15	
<b>32 92 19 19</b>			<b>Seeding by Hand</b> <small>(32 92 19)</small>		
			Note: Includes fertilizing, liming, mixing, seeding and initial watering.		
<b>32 92 19 19-0001</b>			<b>Push Spreader Or Hand Seeding</b> <small>(32 92 19 19)</small>		
			Note: Excludes straw.		
32 92 19 19-0002	MSF		Common Bluegrass, Push Spreader Or Hand ..... Note: 4 LB/MSF spread rate.	144.90	
			<i>For &gt;5 To 20, Deduct</i>	-10.33	
			<i>For &gt;20 To 45, Deduct</i>	-20.11	
			<i>For &gt;45, Deduct</i>	-32.98	
32 92 19 19-0003	MSF		Tall Fescue, Push Spreader Or Hand ..... Note: 5.5 LB/MSF spread rate.	135.80	
			<i>For &gt;5 To 20, Deduct</i>	-9.87	
			<i>For &gt;20 To 45, Deduct</i>	-19.43	
			<i>For &gt;45, Deduct</i>	-32.07	
32 92 19 19-0004	MSF		Rye, Push Spreader Or Hand ..... Note: 10 LB/MSF spread rate.	136.45	
			<i>For &gt;5 To 20, Deduct</i>	-9.90	
			<i>For &gt;20 To 45, Deduct</i>	-19.48	
			<i>For &gt;45, Deduct</i>	-32.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 92 19 19-0005	MSF		Shade Mix, Push Spreader Or Hand ..... Note: 6 LB/MSF spread rate. Mixture of red fescue, creeping red fescue, perennial rye and bluegrass. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	139.72 -10.07 -19.72 -32.46	
32 92 19 19-0006	MSF		Turf Mix, Push Spreader Or Hand ..... Note: 4 LB/MSF spread rate. Mixture of three varieties of bluegrass and one improved perennial ryegrass. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	142.07 -10.19 -19.90 -32.70	
32 92 19 19-0007	MSF		Slope Mix, Push Spreader Or Hand ..... Note: 6 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	138.94 -10.03 -19.67 -32.38	
32 92 19 19-0008	MSF		Utility Mix, Push Spreader Or Hand ..... Note: 7 LB/MSF spread rate. Mixture of perennial/annual rye, creeping red fescue and bluegrass. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	135.03 -9.83 -19.37 -31.99	
32 92 19 19-0009	MSF		Wild Flower Mix, Push Spreader Or Hand ..... Note: 0.10 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	127.65 -9.46 -18.82 -31.25	
32 92 19 19-0010	MSF		Crown Vetch Mix, Push Spreader Or Hand ..... Note: 4 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	185.98 -12.38 -23.19 -37.09	
32 92 19 19-0011	MSF		Athletic Mix, Push Spreader Or Hand ..... Note: 8 LB/MSF spread rate. Mixture of drought resistant bluegrass, tall fescue and Kentucky bluegrass. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	151.48 -10.66 -20.61 -33.64	
32 92 19 19-0012	MSF		White Clover Mix, Push Spreader Or Hand ..... Note: 7 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	127.57 -9.46 -18.81 -31.25	
32 92 19 19-0013	MSF		Ladino Clover Mix, Push Spreader Or Hand ..... Note: 7 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	130.71 -9.62 -19.05 -31.56	
32 92 19 19-0014	MSF		100% Kentucky Bluegrass, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	146.39 -10.40 -20.22 -33.13	
32 92 19 19-0015	MSF		70% Kentucky Bluegrass And 30% Fescue, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	142.07 -10.19 -19.90 -32.70	
32 92 19 19-0016	MSF		50% Kentucky Bluegrass And 50% Fescue, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	138.94 -10.03 -19.67 -32.38	
32 92 19 19-0017	MSF		50% Kentucky Bluegrass And 50% Perennial Rye, Push Spreader Or Hand ..... Note: 4.4 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	145.21 -10.34 -20.14 -33.01	
32 92 19 19-0018	MSF		60% Kentucky Bluegrass, 20% Creeping Red Fescue, 10% Red Top And 10% Domestic Rye, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	140.51 -10.11 -19.78 -32.54	
32 92 19 19-0019	MSF		40% Creeping Red Fescue, 30% Kentucky Bluegrass, 10% Red Top, And 20% Blue Tag Perennial Rye, Push Spreader Or Hand ..... Note: 3.3 LB/MSF spread rate. <i>For &gt;5 To 20, Deduct</i> <i>For &gt;20 To 45, Deduct</i> <i>For &gt;45, Deduct</i>	142.07 -10.19 -19.90 -32.70	

**32 92 23 Sodding** (32 92)

Note: Includes raking preparation, water thoroughly and allow surface to dry before planting, rolling of sod, sanding seams for (up to 16" wide by 24" long) squares or (up to 24" wide by 54" long) rolls and initial watering within 2 hours after planting.

32 92 23 00-0001	Tall Fescue Sod	<small>(32 92 23)</small>			
32 92 23 00-0002	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Level Ground		2,418.24	
		<i>For Hybrid Fescue "Marathon", Add</i>		140.79	
32 92 23 00-0003	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Level Ground		2,008.70	
		<i>For Hybrid Fescue "Marathon", Add</i>		106.14	
32 92 23 00-0004	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Level Ground		1,704.51	
		<i>For Hybrid Fescue "Marathon", Add</i>		88.81	

**32 Exterior Improvements****32 90 Planting****32 92 Turf and Grasses**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 92 23 00-0005	MSF	>8,000 SF, Tall Fescue Sod, Installed On Level Ground.....	1,477.77	
		<i>For Hybrid Fescue "Marathon", Add</i>	71.49	
32 92 23 00-0006	MSF	Up To 1,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,900.14	
		<i>For Hybrid Fescue "Marathon", Add</i>	140.79	
32 92 23 00-0007	MSF	>1,000 To 4,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,419.42	
		<i>For Hybrid Fescue "Marathon", Add</i>	106.14	
32 92 23 00-0008	MSF	>4,000 To 8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,987.86	
		<i>For Hybrid Fescue "Marathon", Add</i>	88.81	
32 92 23 00-0009	MSF	>8,000 SF, Tall Fescue Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,718.71	
		<i>For Hybrid Fescue "Marathon", Add</i>	71.49	

**32 92 23 00-0010 Kentucky Blue Grass Sod (32 92 23)**

32 92 23 00-0011	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground .....	2,103.19	
32 92 23 00-0012	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,772.42	
32 92 23 00-0013	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,507.61	
32 92 23 00-0014	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Level Ground.....	1,320.25	
32 92 23 00-0015	MSF	Up To 1,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes .....	2,585.09	
32 92 23 00-0016	MSF	>1,000 To 4,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	2,183.14	
32 92 23 00-0017	MSF	>4,000 To 8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,790.96	
32 92 23 00-0018	MSF	>8,000 SF, Kentucky Blue Grass Sod, Installed On Sloped (>1:6) Ground With Stakes.....	1,561.19	

**32 93 Plants (32 90)****32 93 13 Ground Covers (32 93)**

See CSI section 32 93 83 00-0057 for installation and planting of ground cover.

**32 93 13 00-0001 Ornamental Grasses (32 93 13)**

32 93 13 00-0002	EA	1 Gallon, Cortaderia selloana - Pampas Grass.....	34.95	
32 93 13 00-0003	EA	2 Gallon, Cortaderia selloana - Pampas Grass.....	64.60	
32 93 13 00-0004	EA	3 Gallon, Cortaderia selloana - Pampas Grass.....	117.41	
32 93 13 00-0005	EA	5 Gallon, Cortaderia selloana - Pampas Grass.....	213.69	
32 93 13 00-0006	EA	1 Quart, Imperata cylindrica - Japanese Blood Grass.....	26.75	
32 93 13 00-0007	EA	1 Gallon, Imperata cylindrica - Japanese Blood Grass.....	35.57	
32 93 13 00-0008	EA	2 Gallon, Imperata cylindrica - Japanese Blood Grass.....	38.07	
32 93 13 00-0009	EA	1 Quart, Koeleria glauca - Blue Hair Grass.....	26.68	
32 93 13 00-0010	EA	1 Gallon, Koeleria glauca - Blue Hair Grass.....	35.57	
32 93 13 00-0011	EA	3 Gallon, Koeleria glauca - Blue Hair Grass.....	86.06	
32 93 13 00-0012	EA	1 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	33.77	
32 93 13 00-0013	EA	3 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	43.77	
32 93 13 00-0014	EA	5 Gallon, Miscanthus sinensis 'Gracillimus' - Maiden Grass.....	83.68	
32 93 13 00-0015	EA	1 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	31.35	
32 93 13 00-0016	EA	3 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	49.28	
32 93 13 00-0017	EA	5 Gallon, Miscanthus sinensis 'Zebrinus' - Zebra Grass.....	84.34	
32 93 13 00-0018	EA	1 Quart, Pennisetum setaceum - Fountain Grass.....	29.18	
32 93 13 00-0019	EA	1 Gallon, Pennisetum setaceum - Fountain Grass.....	74.23	
32 93 13 00-0020	EA	3 Gallon, Pennisetum setaceum - Fountain Grass.....	97.86	
32 93 13 00-0021	EA	1 Gallon, Saccharum ravennae - Ravenna Grass.....	92.38	
32 93 13 00-0022	EA	3 Gallon, Saccharum ravennae - Ravenna Grass.....	103.78	
32 93 13 00-0023	EA	7 Gallon, Saccharum ravennae - Ravenna Grass.....	171.21	
32 93 13 00-0024	EA	1 Gallon, Spartina pectinata - Variegated Cord Grass.....	50.16	
32 93 13 00-0025	EA	2 Gallon, Spartina pectinata - Variegated Cord Grass.....	75.08	
32 93 13 00-0026	EA	1 Quart, Stipa gigantea - Giant Feather Grass.....	38.29	
32 93 13 00-0027	EA	1 Gallon, Stipa gigantea - Giant Feather Grass.....	53.36	

**32 93 13 00-0028 Ground Covers (32 93 13)**

32 93 13 00-0029	EA	1 Quart Baccharis Pilularis - Dwarf Coyote Bush.....	12.12	
32 93 13 00-0030	EA	1 Gallon Baccharis Pilularis - Dwarf Coyote Bush.....	21.00	
32 93 13 00-0031	EA	1 Quart Carex 'Bowles Golden' - Variegated Japanese Sedge.....	42.82	
32 93 13 00-0032	EA	1 Gallon Carex 'Bowles Golden' - Variegated Japanese Sedge.....	55.74	
32 93 13 00-0033	EA	1 Gallon Acrostichum danaeifolium - Leather Fern.....	42.37	
32 93 13 00-0034	EA	5 Gallon Acrostichum danaeifolium - Leather Fern.....	72.64	
32 93 13 00-0035	EA	10 Gallon Acrostichum danaeifolium - Leather Fern.....	363.20	
32 93 13 00-0036	EA	6" Aechmea - Bromeliad.....	90.80	
32 93 13 00-0037	EA	8" Aechmea - Bromeliad.....	151.33	
32 93 13 00-0038	EA	10" Aechmea - Bromeliad.....	302.66	
32 93 13 00-0039	EA	10" Full Aglaonema.....	96.85	
32 93 13 00-0040	EA	Cell Pack Size Apapanthus africanus - Lily Of The Nile.....	4.24	
32 93 13 00-0041	EA	1 Gallon Apapanthus africanus - Lily Of The Nile.....	24.21	
32 93 13 00-0042	EA	3 Gallon Agapanthus africanus - Lily Of The Nile.....	72.64	
32 93 13 00-0043	EA	1 Gallon Aptenia cordifolia - Baby Sun Rose.....	18.16	
32 93 13 00-0044	EA	4" Arachis glabrata - Ecoturf.....	18.16	
32 93 13 00-0045	EA	1 Gallon Arachis glabrata - Ecoturf.....	30.27	
32 93 13 00-0046	EA	1 Gallon Aristida stricta - Wiregrass.....	18.16	
32 93 13 00-0047	EA	2" Aristida stricta - Wiregrass.....	13.92	
32 93 13 00-0048	EA	Cell Pack Size Asparagus densiflorus 'Myers' - Foxtail.....	6.05	
32 93 13 00-0049	EA	10" Asparagus densiflorus 'Myers' - Foxtail.....	90.80	
32 93 13 00-0050	EA	1 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	30.27	
32 93 13 00-0051	EA	2 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	36.32	
32 93 13 00-0052	EA	3 Gallon Asparagus densiflorus 'Myers' - Foxtail.....	48.43	
32 93 13 00-0053	EA	1 Gallon Aspidistra elatior - Cast Iron Plant.....	30.27	
32 93 13 00-0054	EA	3 Gallon Aspidistra elatior - Cast Iron Plant.....	102.91	
32 93 13 00-0055	EA	7 Gallon Aspidistra elatior - Cast Iron Plant.....	145.28	
32 93 13 00-0056	EA	3 Gallon Baccharis halimicolia - Salt Bush.....	72.64	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
32 93 13 00-0057	EA	4" Begonia		4.24	
32 93 13 00-0058	EA	1 Gallon Begonia		36.32	
32 93 13 00-0059	EA	3 Gallon Begonia		90.80	
32 93 13 00-0060	EA	1 Gallon Borrichia arborescens - Sea Oxeye Daisy		24.21	
32 93 13 00-0061	EA	1 Gallon Borrichia frutescens - Silver Sea Oxeye		24.21	
32 93 13 00-0062	EA	3 Gallon Borrichia frutescens - Silver Sea Oxeye		63.56	
32 93 13 00-0063	EA	6" Bromeliad		78.69	
32 93 13 00-0064	EA	3 Gallon Bromeliad		121.06	
32 93 13 00-0065	EA	4-1/2" Centaurea cineraria - Dusty Miller		8.47	
32 93 13 00-0066	EA	1 Gallon Centaurea cineraria - Dusty Miller		15.13	
32 93 13 00-0067	EA	4" Coleus hybridus - Coleus		4.24	
32 93 13 00-0068	EA	3 Gallon Coleus hybridus - Coleus		54.48	
32 93 13 00-0069	EA	8" Top Cuphea hyssopifolia - False/Mexican Heather		78.69	
32 93 13 00-0070	EA	1 Gallon Cuphea hyssopifolia - False/Mexican Heather		12.11	
32 93 13 00-0071	EA	3 Gallon Cyathea cooperi - Australian Tree Fern		84.75	
32 93 13 00-0072	EA	7 Gallon Cyathea cooperi - Australian Tree Fern		302.66	
32 93 13 00-0073	EA	15 Gallon Cyathea cooperi - Australian Tree Fern		726.39	
32 93 13 00-0074	EA	25 Gallon Cyathea cooperi - Australian Tree Fern		1,513.31	
32 93 13 00-0075	EA	3 Gallon Cyperus alternifolius - Umbrella Sedge		90.80	
32 93 13 00-0076	EA	1 Gallon Cyrtomium falcatum - Holly Fern		27.24	
32 93 13 00-0077	EA	3 Gallon Cyrtomium falcatum - Holly Fern		66.59	
32 93 13 00-0078	EA	1 Gallon Dietes bicolor - Yellow/White African Iris		19.37	
32 93 13 00-0079	EA	3 Gallon Dietes bicolor - Yellow/White African Iris		72.64	
32 93 13 00-0080	EA	4" Dietes iridioides - White African Iris		11.50	
32 93 13 00-0081	EA	6" Dietes iridioides - White African Iris		23.61	
32 93 13 00-0082	EA	1 Gallon Dietes iridioides - White African Iris		19.37	
32 93 13 00-0083	EA	3 Gallon Dietes iridioides - White African Iris		72.64	
32 93 13 00-0084	EA	1 Gallon Dietes vegeta - White African Iris		24.21	
32 93 13 00-0085	EA	Bare Root Eleocharis baldwinii - Slender Spikerush		4.24	
32 93 13 00-0086	EA	Bare Root Eleocharis cellulosa - Coastal Spikerush		3.03	
32 93 13 00-0087	EA	Bare Root Eleocharis intersti - Jointed Spikerush		3.03	
32 93 13 00-0088	EA	Bare Root Eleocharis spp - Spikerush		3.03	
32 93 13 00-0089	EA	4" Epipremnum - Golden Pothos		18.16	
32 93 13 00-0090	EA	8" Epipremnum - Golden Pothos		30.27	
32 93 13 00-0091	EA	1 Gallon Epipremnum - Golden Pothos		30.27	
32 93 13 00-0092	EA	1 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn		30.27	
32 93 13 00-0093	EA	3 Gallon Euphorbia milii 'Dwarf' - Dwarf Crown Of Thorn		54.48	
32 93 13 00-0094	EA	4-1/2" Evolvulus glomeratus - Blue Daze		12.11	
32 93 13 00-0095	EA	6" Evolvulus glomeratus - Blue Daze		54.48	
32 93 13 00-0096	EA	10" Ficus pumila - Creeping Fig		60.53	
32 93 13 00-0097	EA	1 Gallon Ficus pumila - Creeping Fig		21.19	
32 93 13 00-0098	EA	3 Gallon Ficus pumila - Creeping Fig		90.80	
32 93 13 00-0099	EA	4" Gaillardia pulchella - Blanket Flower		13.92	
32 93 13 00-0100	EA	1 Gallon Gaillardia pulchella - Blanket Flower		21.19	
32 93 13 00-0101	EA	4-1/2" Geranium - Black Olive East		15.13	
32 93 13 00-0102	EA	6" Geranium - Black Olive East		22.40	
32 93 13 00-0103	EA	4" Helianthus debilis - Dune Sunflower		11.50	
32 93 13 00-0104	EA	6" Helianthus debilis - Dune Sunflower		21.19	
32 93 13 00-0105	EA	1 Gallon Helianthus debilis - Dune Sunflower		24.21	
32 93 13 00-0106	EA	1 Gallon Helianthus debilis - Beach Sunflower		24.21	
32 93 13 00-0107	EA	4" Helianthus debilis - Beach Sunflower		14.53	
32 93 13 00-0108	EA	6" Helianthus debilis - Beach Sunflower		21.19	
32 93 13 00-0109	EA	1 Gallon Hemerocallis spp - Day Lily		27.24	
32 93 13 00-0110	EA	1 Gallon Hymenocallis latifolia - Spider Lily		24.21	
32 93 13 00-0111	EA	3 Gallon Hymenocallis latifolia - Spider Lily		48.43	
32 93 13 00-0112	EA	1 Gallon Hypericum reductum - Scrub Wort		34.50	
32 93 13 00-0113	EA	4" Ipomoea pes-caprae - Railroad Vine		13.92	
32 93 13 00-0114	EA	6" Ipomoea pes-caprae - Railroad Vine		18.16	
32 93 13 00-0115	EA	1 Gallon Iris hexagona savannarum - Blue Flag Iris		23.61	
32 93 13 00-0116	EA	Bare Root Iris virginica - Blue Flag Iris		3.03	
32 93 13 00-0117	EA	1 Gallon Iris virginica - Blue Flag Iris		30.27	
32 93 13 00-0118	EA	4" Juniperus chinensis 'Parsonii'		12.11	
32 93 13 00-0119	EA	1 Gallon Juniperus chinensis 'Parsonii'		23.00	
32 93 13 00-0120	EA	3 Gallon Juniperus chinensis 'Parsonii'		48.43	
32 93 13 00-0121	EA	1 Gallon Juniperus conferta - Shore Juniper		24.21	
32 93 13 00-0122	EA	3 Gallon Juniperus conferta - Shore Juniper		45.40	
32 93 13 00-0123	EA	1 Gallon Juniperus conferta - Blue Pacific		21.79	
32 93 13 00-0124	EA	2 Gallon Juniperus conferta - Blue Pacific		42.37	
32 93 13 00-0125	EA	3 Gallon Juniperus conferta - Blue Pacific		48.43	
32 93 13 00-0126	EA	1 Gallon Juniperus conferta 'Compacta' - Dwarf Shore Juniper		21.79	
32 93 13 00-0127	EA	4" Juniperus procumbens 'Nana'		16.34	
32 93 13 00-0128	EA	1 Gallon Juniperus procumbens 'Nana'		23.61	
32 93 13 00-0129	EA	2 Gallon Juniperus procumbens 'Nana'		42.37	
32 93 13 00-0130	EA	3 Gallon Juniperus procumbens 'Nana'		48.43	
32 93 13 00-0131	EA	4" Liriope		13.92	
32 93 13 00-0132	EA	1 Gallon Liriope		18.16	
32 93 13 00-0133	EA	3 Gallon Liriope		42.37	
32 93 13 00-0134	EA	4" Liriope muscari - Big Blue Lilyturf		13.32	
32 93 13 00-0135	EA	1 Gallon Liriope muscari - Big Blue Lilyturf		17.55	
32 93 13 00-0136	EA	1 Gallon Liriope muscari - Lilyturf		18.77	
32 93 13 00-0137	EA	1 Gallon Liriope 'Evergreen Giant'		21.19	
32 93 13 00-0138	EA	2 Gallon Liriope 'Evergreen Giant'		33.29	
32 93 13 00-0139	EA	3 Gallon Liriope 'Evergreen Giant'		60.53	
32 93 13 00-0140	EA	1 Gallon Liriope 'Variegata'		15.13	
32 93 13 00-0141	EA	3 Gallon Liriope 'Variegata'		48.43	



**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 13 00-0142	EA	1 Gallon Microsorium scolopendrum - Wart Fern	15.31	
32 93 13 00-0143	EA	1 Gallon Mimosa strigillosa	24.21	
32 93 13 00-0144	EA	1 Gallon Muehlenbeckia axillaris - Wire Vine	33.90	
32 93 13 00-0145	EA	1 Gallon Nephrolepis - Swordfern/Boston Fern	18.16	
32 93 13 00-0146	EA	3 Gallon Nephrolepis - Swordfern/Boston Fern	48.43	
32 93 13 00-0147	EA	1 Gallon Nephrolepis cordifolia - Erect Swordfern	18.16	
32 93 13 00-0148	EA	3 Gallon Nephrolepis cordifolia - Erect Swordfern	60.53	
32 93 13 00-0149	EA	7 Gallon Nephrolepis cordifolia - Erect Swordfern	145.28	
32 93 13 00-0150	EA	1 Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	22.22	
32 93 13 00-0151	EA	3 Gallon Nephrolepis cordifolia 'Kimberly' - Kimberly Fern	44.19	
32 93 13 00-0152	EA	1 Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	21.19	
32 93 13 00-0153	EA	3 Gallon Nephrolepis falcata 'Furcans' - Fishtail Fern	42.37	
32 93 13 00-0154	EA	4" Ophiopogon intermedius - Aztec Grass	11.50	
32 93 13 00-0155	EA	1 Gallon Ophiopogon intermedius - Aztec Grass	18.16	
32 93 13 00-0156	EA	1 Gallon Ophiopogon japonicus 'Nana' - Dwarf Mondo Grass	18.16	
32 93 13 00-0157	EA	4-1/2" Pentas lanceolata - Egyptian Star Cluster	7.87	
32 93 13 00-0158	EA	1 Gallon Pentas lanceolata - Egyptian Star Cluster	18.16	
32 93 13 00-0159	EA	3 Gallon Pentas lanceolata - Egyptian Star Cluster	60.53	
32 93 13 00-0160	EA	1 Gallon Persicaria capitatum - Jump Seed	31.48	
32 93 13 00-0161	EA	4-1/2" Polyodium scolopendrium - Wart Fern	24.21	
32 93 13 00-0162	EA	6" Polyodium scolopendrium - Wart Fern	30.27	
32 93 13 00-0163	EA	1 Gallon Polyodium scolopendrium - Wart Fern	30.27	
32 93 13 00-0164	EA	3 Gallon Polyodium scolopendrium - Wart Fern	72.64	
32 93 13 00-0165	EA	Bare Root Pontederia cordata - Pickerel Weed	2.78	
32 93 13 00-0166	EA	6" Rhoeo spathacea discolor - Dwarf Oyster Plant	21.19	
32 93 13 00-0167	EA	1 Gallon Rhoeo spathacea discolor - Dwarf Oyster Plant	18.16	
32 93 13 00-0168	EA	1 Gallon Rubus calycinoides - Emerald Carpet	35.71	
32 93 13 00-0169	EA	1 Gallon Rumohra adiantiform - Leatherhead Fern	24.21	
32 93 13 00-0170	EA	Bare Root Sagittaria latifolia - Duck Potato	4.24	
32 93 13 00-0171	EA	1 Gallon Sesuvium portulacastrum - Sea Purslane	19.37	
32 93 13 00-0172	EA	4" Setcreasea pallida - Purple Queen	5.45	
32 93 13 00-0173	EA	6" Setcreasea pallida - Purple Queen	12.11	
32 93 13 00-0174	EA	1 Gallon Setcreasea pallida - Purple Queen	15.13	
32 93 13 00-0175	EA	1 Gallon Stachytarpheta - Porter Weed	18.16	
32 93 13 00-0176	EA	3 Gallon Stachytarpheta - Porter Weed	39.35	
32 93 13 00-0177	EA	Bare Root Thalia geniculata - Alligator Flag	4.24	
32 93 13 00-0178	EA	1 Gallon Trachelospermum asiaticum - Small Leaf Asian Jasmine	21.19	
32 93 13 00-0179	EA	5" Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	13.92	
32 93 13 00-0180	EA	1 Gallon Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	23.61	
32 93 13 00-0181	EA	3 Gallon Trellis Trachelospermum asiatic 'Texas Longleaf' - Asiatic Jasmine	90.80	
32 93 13 00-0182	EA	1 Gallon Trachelospermum asiaticum 'Mini Mound' - Small Leaf Confederate Jasmine	30.27	
32 93 13 00-0183	EA	4" Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	13.92	
32 93 13 00-0184	EA	1 Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	18.16	
32 93 13 00-0185	EA	3 Gallon Trachelospermum asiaticum 'Minima' - Dwarf Asian Jasmine	90.80	
32 93 13 00-0186	EA	1 Gallon Trachelospermum asiaticum 'Tricolor' - Tricolor Jasmine	21.19	
32 93 13 00-0187	EA	1 Gallon Wedelia trilobata - Wedelia	11.99	
32 93 13 00-0188	EA	4" Wedelia trilobata - Wedelia	9.08	
32 93 13 00-0189	EA	Viola floridana - Wild Violet	30.87	
32 93 13 00-0190	EA	4" Viola hederacea - Australian Violet	17.92	
32 93 13 00-0191	EA	1 Gallon Viola hederacea - Australian Violet	31.48	
32 93 13 00-0192	EA	6" Full Ajuga reptans - Carpet Bugleweed	27.24	
32 93 13 00-0193	EA	1 Gallon Ajuga reptans - Carpet Bugleweed	24.21	
32 93 13 00-0194	EA	2 Gallon Juniperus horizontalis 'Plumosa Compacta' - Andorra Creeping Juniper	70.55	
32 93 13 00-0195	EA	1 Quart Waldsteinia ternata - Barren Strawberry	12.12	
32 93 13 00-0196	EA	1 Gallon Waldsteinia ternata - Barren Strawberry	29.08	
32 93 13 00-0197	EA	1 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	39.58	
32 93 13 00-0198	EA	2 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	75.13	
32 93 13 00-0199	EA	5 Gallon Cotoneaster dammeri - Bearberry Cotoneaster	132.48	
32 93 13 00-0200	EA	1 Gallon Liriope muscari 'Big Blue' - Big Blue Liriope	13.55	
32 93 13 00-0201	EA	1 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	25.04	
32 93 13 00-0202	EA	5 Gallon Distictis buccinatoria - Blood Red Trumpet Vine	88.05	
32 93 13 00-0203	EA	1 Gallon Juniperus horizontalis 'Wiltoni' - Blue Rug Juniper	32.87	
32 93 13 00-0204	EA	4" Pot Parthenocissus tricuspidata - Boston Ivy	16.16	
32 93 13 00-0205	EA	1 Gallon Parthenocissus tricuspidata - Boston Ivy	36.84	
32 93 13 00-0206	EA	5 Gallon Parthenocissus tricuspidata - Boston Ivy	100.81	
32 93 13 00-0207	EA	3 Gallon Bougainvillea spectabilis - Bougainvillea	42.37	
32 93 13 00-0208	EA	1 Quart Iberis sempervirens - Candytuft	12.12	
32 93 13 00-0209	EA	1 Gallon Iberis sempervirens - Candytuft	29.08	
32 93 13 00-0210	EA	1 Gallon Gelsemium sempervirens - Carolina Jessamine	34.90	
32 93 13 00-0211	EA	5 Gallon Gelsemium sempervirens - Carolina Jessamine	126.02	
32 93 13 00-0212	EA	3" Pot Ajuga reptans - Carpet Bugle	7.27	
32 93 13 00-0213	EA	1 Quart Ajuga reptans - Carpet Bugle	12.12	
32 93 13 00-0214	EA	1 Gallon Ajuga reptans - Carpet Bugle	29.08	
32 93 13 00-0215	EA	24 Plant Flat Ajuga reptans - Carpet Bugle	125.21	
32 93 13 00-0216	EA	1 Gallon Macfadyena unguis-cati - Cat Claw Vine	29.08	
32 93 13 00-0217	EA	5 Gallon Macfadyena unguis-cati - Cat Claw Vine	126.02	
32 93 13 00-0218	EA	1 Gallon Wisteria sinensis - Chinese Wisteria Vine	37.97	
32 93 13 00-0219	EA	3 Gallon Wisteria sinensis - Chinese Wisteria Vine	84.02	
32 93 13 00-0220	EA	5 Gallon Wisteria sinensis - Chinese Wisteria Vine	126.02	
32 93 13 00-0221	EA	1 Gallon Ranunculaceae - Clematis Varieties	41.74	
32 93 13 00-0222	EA	2 Gallon Ranunculaceae - Clematis Varieties	77.20	
32 93 13 00-0223	EA	1 Gallon Hydrangea petiolaris - Climbing Hydrangea	52.51	
32 93 13 00-0224	EA	2 Gallon Hydrangea petiolaris - Climbing Hydrangea	98.55	
32 93 13 00-0225	EA	5 Gallon Hydrangea petiolaris - Climbing Hydrangea	161.56	
32 93 13 00-0226	EA	4" Pot Lantana camera - Common Lantana	7.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 13 00-0227	EA	1	Gallon Lantana camera - Common Lantana.....	21.00	
32 93 13 00-0228	EA	1	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	25.04	
32 93 13 00-0229	EA	5	Gallon Gardenia jasminoides 'Radicans' - Creeping Gardenia.....	82.40	
32 93 13 00-0230	EA	2	Quart Lysimachia nummularia - Creeping Jenny.....	12.12	
32 93 13 00-0231	EA	1	Gallon Lysimachia nummularia - Creeping Jenny.....	23.43	
32 93 13 00-0232	EA	2	Quart Liriope spicata - Creeping Lilytuft.....	21.00	
32 93 13 00-0233	EA	1	Gallon Liriope spicata - Creeping Lilytuft.....	37.97	
32 93 13 00-0234	EA	5	Gallon Liriope spicata - Creeping Lilytuft.....	79.97	
32 93 13 00-0235	EA	Bare Root	Liriope spicata - Creeping Liriope.....	5.30	
32 93 13 00-0236	EA	3"	Pot Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	7.27	
32 93 13 00-0237	EA	1	Gallon Rosmarinus officinalis 'Prostratus' - Creeping Rosemary.....	29.08	
32 93 13 00-0238	EA	2-1/4"	Pot Securigera varia - Crown Vetch.....	4.85	
32 93 13 00-0239	EA	50	Plant Flat Securigera varia - Crown Vetch.....	163.99	
32 93 13 00-0240	EA	1	Quart Senecio cineraria - Dusty Miller.....	12.12	
32 93 13 00-0241	EA	1	Gallon Senecio cineraria - Dusty Miller.....	29.08	
32 93 13 00-0242	EA	2	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	100.98	
32 93 13 00-0243	EA	5	Gallon Aristolochia macrophylla - Dutchman's Pipe.....	184.99	
32 93 13 00-0244	EA	1	Gallon Ilex cornuta - Dwarf Holly.....	21.94	
32 93 13 00-0245	EA	3	Gallon Ilex cornuta - Dwarf Holly.....	47.02	
32 93 13 00-0246	EA	3	Gallon Rhipiolepis umbellata 'Minor' - Dwarf Indian Hawthorn.....	47.02	
32 93 13 00-0247	EA	1	Gallon Tradescantia spathacea - Dwarf Oyster Plant.....	15.67	
32 93 13 00-0248	EA	2"	To 3" Pot Hedera helix - English Ivy.....	7.27	
32 93 13 00-0249	EA	12"	To 15" Runners Hedera helix - English Ivy.....	12.12	
32 93 13 00-0250	EA	1	Gallon Hedera helix - English Ivy.....	29.08	
32 93 13 00-0251	EA	50	Plant Flat Hedera helix - English Ivy.....	168.02	
32 93 13 00-0252	EA	4"	Pot Lavandula angustifolia - English Lavender.....	10.50	
32 93 13 00-0253	EA	1	Quart Lavandula angustifolia - English Lavender.....	20.20	
32 93 13 00-0254	EA	1	Gallon Lavandula angustifolia - English Lavender.....	33.12	
32 93 13 00-0255	EA	1	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	31.50	
32 93 13 00-0256	EA	2	Gallon Euonymus fortunei 'Kewensis' - Wintercreeper.....	63.01	
32 93 13 00-0257	EA	1	Quart Arundo donax - Giant Reed.....	38.78	
32 93 13 00-0258	EA	1	Gallon Arundo donax - Giant Reed.....	55.74	
32 93 13 00-0259	EA	1	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	33.12	
32 93 13 00-0260	EA	2	Gallon Lonicera x heckrottii - Gold Flame Honeysuckle.....	63.01	
32 93 13 00-0261	EA	1	Quart Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	42.82	
32 93 13 00-0262	EA	1	Gallon Hakonechloa macra 'Aureola' - Golden Variegated Hakone Grass.....	64.63	
32 93 13 00-0263	EA	3"	Pot Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	7.27	
32 93 13 00-0264	EA	1	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	33.12	
32 93 13 00-0265	EA	2	Gallon Lonicera japonica 'Halliana' - Hall's Japanese Honeysuckle.....	63.01	
32 93 13 00-0266	EA	1	Gallon Hardenbergia violacea - Happy Wanderer.....	29.08	
32 93 13 00-0267	EA	5	Gallon Hardenbergia violacea - Happy Wanderer.....	96.94	
32 93 13 00-0268	EA	3	Gallon Hibiscus, Assorted Colors.....	37.88	
32 93 13 00-0269	EA	1	Gallon Acorus gramineus - Japanese Sweet Flag.....	30.29	
32 93 13 00-0270	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	15.26	
32 93 13 00-0271	EA	1	Gallon Jasminum volubile - Wax Jasmine.....	37.88	
32 93 13 00-0272	EA	1	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	19.03	
32 93 13 00-0273	EA	3	Gallon Juniperus davurica 'Parsonii' - Parson's Juniper.....	42.37	
32 93 13 00-0274	EA	1	Gallon Cissus antarctica - Kangaroo Vine.....	23.43	
32 93 13 00-0275	EA	5	Gallon Cissus antarctica - Kangaroo Vine.....	73.51	
32 93 13 00-0276	EA	1	Quart Stachys byzantina - Lamb's Ear.....	12.12	
32 93 13 00-0277	EA	1	Quart Stachys byzantina - Lamb's Ear.....	29.08	
32 93 13 00-0278	EA	1	Gallon Lantana spp. Various Colors.....	17.14	
32 93 13 00-0279	EA	1	Gallon Lantana sellowiana - Trailing Lantana.....	11.28	
32 93 13 00-0280	EA	1	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	23.43	
32 93 13 00-0281	EA	5	Gallon Cocculus laurifolius - Laurel-leaf Snailseed.....	84.01	
32 93 13 00-0282	EA	1	Gallon Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	17.14	
32 93 13 00-0283	EA	1	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	21.63	
32 93 13 00-0284	EA	3	Gallon Variegated Liriope Evergreen Giant, 6 To 8 Bibs Minimum.....	34.59	
32 93 13 00-0285	EA	1	Quart Moss Phlox, Creeping Phlox.....	12.12	
32 93 13 00-0286	EA	1	Gallon Moss Phlox, Creeping Phlox.....	29.08	
32 93 13 00-0287	EA	1	Gallon Nephrolepis exaltata - Common Boston Fern.....	15.26	
32 93 13 00-0288	EA	4"	Pot Ophiopogon Japonicus - Mondo grass.....	7.27	
32 93 13 00-0289	EA	1	Gallon Ophiopogon Japonicus - Mondo grass.....	29.08	
32 93 13 00-0290	EA	5	Gallon Ophiopogon Japonicus - Mondo grass.....	67.05	
32 93 13 00-0291	EA	2"	To 3" High Oregon Holly-Grape.....	33.57	
32 93 13 00-0292	EA	1	Gallon Pachysandra terminalis - Pachysandra.....	43.73	
32 93 13 00-0293	EA	2-1/4"	Pot Vinca minor - Periwinkle.....	4.04	
32 93 13 00-0294	EA	4"	Pot Vinca minor - Periwinkle.....	12.12	
32 93 13 00-0295	EA	Bare Root	Vinca minor - Periwinkle.....	4.04	
32 93 13 00-0296	EA	1	Quart Nepeta mussinii - Persian Catmint.....	12.12	
32 93 13 00-0297	EA	1	Gallon Nepeta mussinii - Persian Catmint.....	25.04	
32 93 13 00-0298	EA	1	Gallon Coprosma kirkii - Prostrate Coprosma.....	20.20	
32 93 13 00-0299	EA	5	Gallon Coprosma kirkii - Prostrate Coprosma.....	73.51	
32 93 13 00-0300	EA	1	Gallon Juniperus Horizontalis - Prostrate Juniper.....	33.12	
32 93 13 00-0301	EA	3	Gallon Juniperus Horizontalis - Prostrate Juniper.....	71.09	
32 93 13 00-0302	EA	5	Gallon Juniperus Horizontalis - Prostrate Juniper.....	105.02	
32 93 13 00-0303	EA	1	Quart Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	28.84	
32 93 13 00-0304	EA	1	Gallon Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	74.74	
32 93 13 00-0305	EA	24	Plant Flat Euonymus fortunei 'Coloratus' - Purple-leaf Wintercreeper.....	125.21	
32 93 13 00-0306	EA	1	Gallon Tradescantia spathacea - Rhoex Discolor "Dwarf".....	15.26	
32 93 13 00-0307	EA	1	Quart Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	16.96	
32 93 13 00-0308	EA	1	Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	30.29	
32 93 13 00-0309	EA	2	Gallon Festuca glauca 'Sea Urchin' - Sea Urchin Blue Fescue.....	47.26	
32 93 13 00-0310	EA	1	Gallon Hymenocallis latifolia - Spider Lily.....	18.80	
32 93 13 00-0311	EA	3	Gallon Hymenocallis latifolia - Spider Lily.....	50.15	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 13 00-0312	EA	1 Quart Hypericum perforatum - St. John's Wort	12.12	
32 93 13 00-0313	EA	1 Gallon Hypericum perforatum - St. John's Wort	29.08	
32 93 13 00-0314	EA	5 Gallon Hypericum perforatum - St. John's Wort	75.13	
32 93 13 00-0315	EA	24" To 30" High Viburnum awabuki - Sweet Viburnum	102.24	
32 93 13 00-0316	EA	1 Gallon Campsis radicans - Trumpet Creeper	44.43	
32 93 13 00-0317	EA	2 Gallon Campsis radicans - Trumpet Creeper	67.05	
32 93 13 00-0318	EA	5 Gallon Campsis radicans - Trumpet Creeper	161.56	
32 93 13 00-0319	EA	2-1/4" Pot Vinca major - Variegated Greater Periwinkle	4.04	
32 93 13 00-0320	EA	4" Pot Vinca major - Variegated Greater Periwinkle	12.12	
32 93 13 00-0321	EA	Bare Root Vinca major - Variegated Greater Periwinkle	4.04	
32 93 13 00-0322	EA	1 Quart Carex hachijoensis - Variegated Japanese Sedge	21.81	
32 93 13 00-0323	EA	1 Gallon Carex hachijoensis - Variegated Japanese Sedge	30.29	
32 93 13 00-0324	EA	2 Gallon Carex hachijoensis - Variegated Japanese Sedge	47.26	
32 93 13 00-0325	EA	1 Gallon Liriope muscari 'Variegata' - Variegated Lilyturf	33.12	
32 93 13 00-0326	EA	2 Quart Verbena peruviana "St. Paul" - St. Paul Verbena	15.35	
32 93 13 00-0327	EA	1 Gallon Verbena peruviana "St. Paul" - St. Paul Verbena	23.43	
32 93 13 00-0328	EA	48 Plant Flat Vinca minor - Lesser Periwinkle	143.98	
32 93 13 00-0329	EA	3" Pot Parthenocissus quinquefolia - Virginia Creeper	7.27	
32 93 13 00-0330	EA	1 Gallon Parthenocissus quinquefolia - Virginia Creeper	37.97	
32 93 13 00-0331	EA	1 Gallon Jasminum polyanthum - Winter Jasmine	29.08	
32 93 13 00-0332	EA	2 Gallon Jasminum polyanthum - Winter Jasmine	58.16	
32 93 13 00-0333	EA	5 Gallon Jasminum polyanthum - Winter Jasmine	100.98	
32 93 13 00-0334	EA	1 Gallon Cistaceae - Wrinkleleaf Rock Rose	23.43	
32 93 13 00-0335	EA	5 Gallon Cistaceae - Wrinkleleaf Rock Rose	79.97	

**32 93 23 Plants and Bulbs (32 93)**

See CSI section 32 93 83 00-0057 for installation and planting of bulbs and annuals.

**32 93 23 00-0001 Perennials (32 93 23)**

32 93 23 00-0002	EA	2 Quart Assorted Daylilies	23.43	
32 93 23 00-0003	EA	1 Gallon Assorted Daylilies	33.12	
32 93 23 00-0004	EA	2 Gallon Assorted Daylilies	54.93	
32 93 23 00-0005	EA	1 Quart Azure Penstemon	12.12	
32 93 23 00-0006	EA	1 Gallon Azure Penstemon	30.29	
32 93 23 00-0007	EA	1 Quart Balloon Flower	12.12	
32 93 23 00-0008	EA	1 Gallon Balloon Flower	30.29	
32 93 23 00-0009	EA	1 Quart Black-eyed Susan	12.12	
32 93 23 00-0010	EA	1 Gallon Black-eyed Susan	30.29	
32 93 23 00-0011	EA	2 Gallon Black-eyed Susan	39.18	
32 93 23 00-0012	EA	1 Quart Blackberry Lily	12.12	
32 93 23 00-0013	EA	1 Gallon Blackberry Lily	30.29	
32 93 23 00-0014	EA	1 Quart Blank Flower	12.12	
32 93 23 00-0015	EA	1 Gallon Blank Flower	27.87	
32 93 23 00-0016	EA	2 Gallon Blank Flower	39.18	
32 93 23 00-0017	EA	1 Quart Blazing Star, Gayfeather	12.12	
32 93 23 00-0018	EA	1 Gallon Blazing Star, Gayfeather	30.29	
32 93 23 00-0019	EA	1 Quart Bloodred Geranium	20.60	
32 93 23 00-0020	EA	1 Gallon Bloodred Geranium	34.74	
32 93 23 00-0021	EA	1 Quart Blue Plumbago	12.12	
32 93 23 00-0022	EA	1 Gallon Blue Plumbago	30.29	
32 93 23 00-0023	EA	1 Quart Blue Star	21.81	
32 93 23 00-0024	EA	1 Gallon Blue Star	34.74	
32 93 23 00-0025	EA	1 Quart Cardinal Flower	12.12	
32 93 23 00-0026	EA	1 Gallon Cardinal Flower	30.29	
32 93 23 00-0027	EA	4" Pot Columbine	7.27	
32 93 23 00-0028	EA	1 Quart Columbine	12.12	
32 93 23 00-0029	EA	1 Gallon Columbine	30.29	
32 93 23 00-0030	EA	1 Quart Common Globeflower	12.12	
32 93 23 00-0031	EA	1 Gallon Common Globeflower	30.29	
32 93 23 00-0032	EA	1 Quart Cottage Pink, Scotch Pink	12.12	
32 93 23 00-0033	EA	1 Quart Cottage Pink, Scotch Pink	30.29	
32 93 23 00-0034	EA	1 Gallon Astilbe 'Deutschland'	43.63	
32 93 23 00-0035	EA	1 Quart Diploid	15.35	
32 93 23 00-0036	EA	1 Gallon Diploid	34.74	
32 93 23 00-0037	EA	3 Gallon Diploid	59.78	
32 93 23 00-0038	EA	4" Pot Dune Sunflower	17.30	
32 93 23 00-0039	EA	1 Quart Evans Begonia	21.81	
32 93 23 00-0040	EA	1 Gallon Evans Begonia	39.18	
32 93 23 00-0041	EA	1 Quart False Dragonhead	12.12	
32 93 23 00-0042	EA	1 Gallon False Dragonhead	30.29	
32 93 23 00-0043	EA	1 Quart False Spirea	12.12	
32 93 23 00-0044	EA	1 Gallon False Spirea	39.18	
32 93 23 00-0045	EA	3 Gallon False Spirea	54.12	
32 93 23 00-0046	EA	2 Quart False Sunflower	19.39	
32 93 23 00-0047	EA	1 Gallon False Sunflower	30.29	
32 93 23 00-0048	EA	2 Gallon False Sunflower	39.18	
32 93 23 00-0049	EA	1 Gallon Foxglove	27.87	
32 93 23 00-0050	EA	2 Gallon Foxglove	39.18	
32 93 23 00-0051	EA	3 Gallon Foxglove	56.55	
32 93 23 00-0052	EA	1 Gallon Francee Hostas	49.06	
32 93 23 00-0053	EA	1 Quart Garden Phlox	12.12	
32 93 23 00-0054	EA	1 Gallon Garden Phlox	30.29	
32 93 23 00-0055	EA	2 Quart Golden Groundsel	25.85	
32 93 23 00-0056	EA	2 Gallon Golden Groundsel	52.11	
32 93 23 00-0057	EA	1 Quart Golden Star	12.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 23 00-0058	EA	1	Gallon Golden Star	30.29	
32 93 23 00-0059	EA	1	Quart Goldenrod	12.12	
32 93 23 00-0060	EA	1	Gallon Goldenrod	30.29	
32 93 23 00-0061	EA	1	Gallon Happy Returns Daylillies	56.42	
32 93 23 00-0062	EA	4"	Pot Hardy Aster, Michaelmas Daisy	7.27	
32 93 23 00-0063	EA	1	Quart Hardy Aster, Michaelmas Daisy	12.12	
32 93 23 00-0064	EA	1	Gallon Hardy Aster, Michaelmas Daisy	30.29	
32 93 23 00-0065	EA	1	Quart Hardy Chrysanthemum	10.51	
32 93 23 00-0066	EA	6"	To 8" Pot Hardy Chrysanthemum	17.37	
32 93 23 00-0067	EA	1	Gallon Hardy Chrysanthemum	27.87	
32 93 23 00-0068	EA	1	Gallon Herbaceous Peony	43.22	
32 93 23 00-0069	EA	2	Gallon Herbaceous Peony	69.07	
32 93 23 00-0070	EA	3	Gallon Herbaceous Peony	90.89	
32 93 23 00-0071	EA	4"	Pot Japanese Anemone	7.27	
32 93 23 00-0072	EA	1	Quart Japanese Anemone	21.81	
32 93 23 00-0073	EA	2	Gallon Japanese Anemone	39.18	
32 93 23 00-0074	EA	2"	Pot Japanese Spurge	4.31	
32 93 23 00-0075	EA	6"	Pot Japanese Spurge	6.46	
32 93 23 00-0076	EA	1	Gallon Japanese Spurge	27.83	
32 93 23 00-0077	EA	1	Quart Oriental Poppy	17.37	
32 93 23 00-0078	EA	1	Gallon Oriental Poppy	34.74	
32 93 23 00-0079	EA	48	Plant Flat Pachysandra terminalis	143.98	
32 93 23 00-0080	EA	1	Gallon Pacific Coast Iris	23.83	
32 93 23 00-0081	EA	3	Gallon Pacific Coast Iris	45.24	
32 93 23 00-0082	EA	1	Gallon Palace Purple Coral Bells	45.87	
32 93 23 00-0083	EA	4"	Pot Perennial Salvia	7.27	
32 93 23 00-0084	EA	1	Quart Perennial Salvia	12.12	
32 93 23 00-0085	EA	1	Gallon Perennial Salvia	30.29	
32 93 23 00-0086	EA	1	Quart Pincushion Flower	12.12	
32 93 23 00-0087	EA	1	Gallon Pincushion Flower	30.29	
32 93 23 00-0088	EA	2	Quart Plantain Lily	23.43	
32 93 23 00-0089	EA	1	Gallon Plantain Lily	33.12	
32 93 23 00-0090	EA	2	Gallon Plantain Lily	54.93	
32 93 23 00-0091	EA	3	Gallon Plantain Lily	103.81	
32 93 23 00-0092	EA	2	Quart Purple Coneflower	21.81	
32 93 23 00-0093	EA	1	Gallon Purple Coneflower	30.29	
32 93 23 00-0094	EA	2	Gallon Purple Coneflower	39.18	
32 93 23 00-0095	EA	1	Quart Purple Loosestrife	12.12	
32 93 23 00-0096	EA	1	Gallon Purple Loosestrife	30.29	
32 93 23 00-0097	EA	1	Quart Rose Mallow	23.83	
32 93 23 00-0098	EA	2	Gallon Rose Mallow	43.22	
32 93 23 00-0099	EA	3	Gallon Rose Mallow	73.92	
32 93 23 00-0100	EA	1	Gallon Autumn Joy Sedum	46.19	
32 93 23 00-0101	EA	1	Quart Siberian Iris	20.60	
32 93 23 00-0102	EA	2	Gallon Siberian Iris	39.18	
32 93 23 00-0103	EA	3	Gallon Siberian Iris	54.12	
32 93 23 00-0104	EA	1	Quart Speedwell	12.12	
32 93 23 00-0105	EA	1	Gallon Speedwell	30.29	
32 93 23 00-0106	EA	1	Quart Tetraploid	30.29	
32 93 23 00-0107	EA	1	Gallon Tetraploid	56.55	
32 93 23 00-0108	EA	3	Gallon Tetraploid	77.15	
32 93 23 00-0109	EA	1	Quart Threadleaf Coreopsis	12.12	
32 93 23 00-0110	EA	1	Gallon Threadleaf Coreopsis	30.29	
32 93 23 00-0111	EA	1	Quart Torch Lily	12.12	
32 93 23 00-0112	EA	1	Quart Bluebeard	21.81	
32 93 23 00-0113	EA	1	Gallon Bluebeard	32.32	
32 93 23 00-0114	EA	2	Gallon Bluebeard	47.26	

**32 93 23 00-0115 Annuals (32 93 23)**

32 93 23 00-0116	EA	2-1/2"	Pot Annual Flowers	5.62	
32 93 23 00-0117	EA	3"	Pot Annual Flowers	7.61	
32 93 23 00-0118	EA	4"	Pot Annual Flowers	16.26	
32 93 23 00-0119	EA	5-1/2"	Pot Annual Flowers	21.62	
32 93 23 00-0120	EA	6"	Pot Annual Flowers	42.81	
32 93 23 00-0121	EA	8"	Pot Annual Flowers	71.34	
32 93 23 00-0122	EA	36	Plant Flat Annual Flowers	93.39	
32 93 23 00-0123	EA	48	Plant Flat Annual Flowers	105.93	

**32 93 23 00-0124 Bulbs (32 93 23)**

32 93 23 00-0125	EA	Top Size	Allium giganteum - Giant Ornamental Onion	19.55	
32 93 23 00-0126	EA	Top Size	Allium sphaerocephalum - Drumstick Ornamental Onion	1.13	
32 93 23 00-0127	EA	Top Size	Crocus Hybrid	1.28	
32 93 23 00-0128	EA	Top Size	Eranthis hyemalis - Winter Aconite	1.65	
32 93 23 00-0129	EA	Top Size	Galanthus nivalis - Snowdrops	2.11	
32 93 23 00-0130	EA	Top Size	Iris reticulata cvs - Dutch Iris	0.83	
32 93 23 00-0131	EA	Top Size	Muscari armeniacum - Grape Hyacinth	0.98	
32 93 23 00-0132	EA	Top Size	Muscari latifolium - Grape Hyacinth	1.13	
32 93 23 00-0133	EA	Narcissus 'Carlton'	- Carlton Daffodil DNI	6.77	
32 93 23 00-0134	EA	Narcissus 'Dutch Master'	- Dutch Master Daffodil DNI	3.23	
32 93 23 00-0135	EA	Narcissus 'February Gold'	- February Gold Daffodil DNI	3.38	
32 93 23 00-0136	EA	Narcissus 'Ice Follies'	- Ice Follies Daffodil DNI	3.38	
32 93 23 00-0137	EA	Narcissus 'Mount Hood'	- Mount Hood Daffodil DNI	3.53	
32 93 23 00-0138	EA	Narcissus 'Papillon Blanc'	- Papillon Blanc Daffodil DNI	3.76	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 23 00-0139	EA	Narcissus 'Pipit' - Pipit Daffodil DNI	3.53
32 93 23 00-0140	EA	Narcissus 'Salome' - Salome Daffodil DNI	3.31
32 93 23 00-0141	EA	Narcissus 'Tete A Tete' - Tete A Tete Daffodil DNI	3.53
32 93 23 00-0142	EA	Narcissus 'Thalia' - Thalia Daffodil DNI	3.53
32 93 23 00-0143	EA	Top Size Scilla siberica - Siberian Squill	1.05
32 93 23 00-0144	EA	Top Size Tulip 'Angelique' - Angelique Tulip	3.01
32 93 23 00-0145	EA	Top Size Tulip 'Apeldoorn' - Apeldoorn Tulip	2.26
32 93 23 00-0146	EA	Top Size Tulip 'Apricot Beauty' - Apricot Beauty Tulip	3.01
32 93 23 00-0147	EA	Top Size Tulip 'Big Smile' - Big Smile Tulip	2.63
32 93 23 00-0148	EA	Top Size Tulip 'Black Parrot' - Black Parrot Tulip	3.76
32 93 23 00-0149	EA	Top Size Tulip 'Blue Heron' - Blue Heron Tulip	2.86
32 93 23 00-0150	EA	Top Size Tulip 'Cardinal' - Cardinal Tulip	2.48
32 93 23 00-0151	EA	Top Size Tulip 'Christmas Marvel' - Christmas Marvel Tulip	2.78
32 93 23 00-0152	EA	Top Size Tulip clusiana - Species Tulip	2.78
32 93 23 00-0153	EA	Top Size Tulip 'Elizabeth Arden' - Elizabeth Arden Tulip	2.78
32 93 23 00-0154	EA	Top Size Tulip 'Golden Apeldoorn' - Golden Apeldoorn Tulip	2.26
32 93 23 00-0155	EA	Top Size Tulip 'Golden Emperor' - Golden Emperor Tulip	2.18
32 93 23 00-0156	EA	Top Size Tulip 'Halcro' - Halcro Tulip	2.26
32 93 23 00-0157	EA	Top Size Tulip 'Ivory Floridale' - Ivory Floridale Tulip	3.76
32 93 23 00-0158	EA	Top Size Tulip 'Orange Emperor' - Orange Emperor Tulip	2.26
32 93 23 00-0159	EA	Top Size Tulip 'Passionale' - Passionale Tulip	3.01
32 93 23 00-0160	EA	Top Size Tulip 'Peach Blossom' - Peach Blossom Tulip	3.23
32 93 23 00-0161	EA	Top Size Tulip 'Peer Gynt' - Peer Gynt Tulip	3.38
32 93 23 00-0162	EA	Top Size Tulip 'Pink Diamond' - Pink Diamond Tulip	2.71
32 93 23 00-0163	EA	Top Size Tulip 'Pink Emperor' - Pink Emperor Tulip	2.56
32 93 23 00-0164	EA	Top Size Tulip praetens 'Fusilier' - Praetens Fusilier Tulip	2.78
32 93 23 00-0165	EA	Top Size Tulip 'Princeps' - Princeps Tulip	2.78
32 93 23 00-0166	EA	Top Size Tulip 'Red Riding Hood' - Red Riding Hood Tulip	2.18
32 93 23 00-0167	EA	Top Size Tulip saxatilis - Species Tulip	1.50
32 93 23 00-0168	EA	Top Size Tulip 'Shirley' - Shirley Tulip	2.26
32 93 23 00-0169	EA	Top Size Tulip 'Spring Green' - Spring Green Tulip	2.93
32 93 23 00-0170	EA	Top Size Tulip 'White Emperor' - White Emperor Tulip	2.26

**32 93 33 Shrubs (32 93)**

See CSI section 32 93 83 00-0033 for installation and planting of shrubs.

**32 93 33 00-0001 Shrubs (32 93 33)**

32 93 33 00-0002	EA	1 Gallon Abelia x grandiflora - Abelia	21.60
32 93 33 00-0003	EA	3 Gallon Abelia x grandiflora - Abelia	43.99
32 93 33 00-0004	EA	5 Gallon Abelia x grandiflora - Abelia	84.44
32 93 33 00-0005	EA	3 Gallon Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	101.16
32 93 33 00-0006	EA	18" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	147.84
32 93 33 00-0007	EA	24" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	164.96
32 93 33 00-0008	EA	30" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	208.54
32 93 33 00-0009	EA	36" Balled and Burlapped, Aesculus parviflora 'Rogers' - Rogers Bottlebrush Buckeye	231.88
32 93 33 00-0010	EA	18" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	46.69
32 93 33 00-0011	EA	24" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	62.25
32 93 33 00-0012	EA	30" Balled and Burlapped, Aesculus parviflora - Bottlebrush Buckeye	77.81
32 93 33 00-0013	EA	36" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	42.46
32 93 33 00-0014	EA	42" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	49.95
32 93 33 00-0015	EA	48" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	59.94
32 93 33 00-0016	EA	60" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	69.93
32 93 33 00-0017	EA	72" Balled and Burlapped, Aronia arbutifolia & cvs - Red Chokeberry	84.92
32 93 33 00-0018	EA	36" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	41.21
32 93 33 00-0019	EA	42" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	43.71
32 93 33 00-0020	EA	48" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	46.21
32 93 33 00-0021	EA	60" Balled and Burlapped, Aronia melanocarpa & cvs - Black Chokeberry	52.45
32 93 33 00-0022	EA	36" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	41.84
32 93 33 00-0023	EA	42" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	44.33
32 93 33 00-0024	EA	48" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	46.83
32 93 33 00-0025	EA	60" Balled and Burlapped, Aronia prunifolia - Purple-Fruited Chokeberry	49.33
32 93 33 00-0026	EA	1 Gallon Aspidistra elatior - Cast Iron Plant	8.59
32 93 33 00-0027	EA	2 Gallon Aspidistra elatior - Cast Iron Plant	19.86
32 93 33 00-0028	EA	1 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	10.06
32 93 33 00-0029	EA	3 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	22.14
32 93 33 00-0030	EA	5 Gallon Aucuba japonica "Variegata" - Gold Dust Plant	29.92
32 93 33 00-0031	EA	1 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	10.73
32 93 33 00-0032	EA	2 Gallon Bauhinia purpurea - Orange-eye Butterfly Bush	15.70
32 93 33 00-0033	EA	15" To 18" Berberis - Northern Bayberry	44.81
32 93 33 00-0034	EA	2' To 2-1/2' Berberis - Northern Bayberry	56.88
32 93 33 00-0035	EA	2-1/2' To 3' Berberis - Northern Bayberry	79.69
32 93 33 00-0036	EA	18" To 24" Berberis julianae - Dwarf Wintergreen Barberry	47.89
32 93 33 00-0037	EA	2' To 2-1/2' Berberis julianae - Dwarf Wintergreen Barberry	61.31
32 93 33 00-0038	EA	2-1/2' To 3' Berberis julianae - Dwarf Wintergreen Barberry	78.35
32 93 33 00-0039	EA	1 Gallon Berberis thunbergii - Crimson Pygmy Barberry	12.88
32 93 33 00-0040	EA	2 Gallon Berberis thunbergii - Crimson Pygmy Barberry	25.36
32 93 33 00-0041	EA	3 Gallon Berberis thunbergii - Crimson Pygmy Barberry	30.99
32 93 33 00-0042	EA	1 Gallon Berberis x mentorensis - Mentor Barberry	12.21
32 93 33 00-0043	EA	5 Gallon Berberis x mentorensis - Mentor Barberry	34.48
32 93 33 00-0044	EA	2' To 3' Berberis x mentorensis - Mentor Barberry	47.89
32 93 33 00-0045	EA	3' To 4' Berberis x mentorensis - Mentor Barberry	73.92
32 93 33 00-0046	EA	1 Gallon Buxus microphylla japonica - Japanese Boxwood	13.95
32 93 33 00-0047	EA	5 Gallon Buxus microphylla japonica - Japanese Boxwood	37.43
32 93 33 00-0048	EA	12" To 15" Buxus microphylla japonica - Japanese Boxwood	39.85
32 93 33 00-0049	EA	15" To 18" Buxus microphylla japonica - Japanese Boxwood	51.25



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0050	EA	18" To 24"	Buxus microphylla japonica - Japanese Boxwood .....	68.29	
32 93 33 00-0051	EA	24" To 30"	Buxus microphylla japonica - Japanese Boxwood .....	102.50	
32 93 33 00-0052	EA	30" To 36"	Buxus microphylla japonica - Japanese Boxwood .....	142.34	
32 93 33 00-0053	EA	12" To 15"	Buxus sempervirens - Common Boxwood .....	39.85	
32 93 33 00-0054	EA	15" To 18"	Buxus sempervirens - Common Boxwood .....	51.25	
32 93 33 00-0055	EA	18" To 24"	Buxus sempervirens - Common Boxwood .....	68.29	
32 93 33 00-0056	EA	24" To 30"	Buxus sempervirens - Common Boxwood .....	102.50	
32 93 33 00-0057	EA	2	Gallon Buxus Hybrid - Boxwood Cultivars .....	26.23	
32 93 33 00-0058	EA	5	Gallon Buxus Hybrid - Boxwood Cultivars .....	43.71	
32 93 33 00-0059	EA	5	Gallon Buxus microphylla & cvs - Little leaf Boxwood .....	114.89	
32 93 33 00-0060	EA	18" Balled and Burlapped,	Buxus microphylla & cvs - Little leaf Boxwood .....	62.44	
32 93 33 00-0061	EA	24" Balled and Burlapped,	Buxus microphylla & cvs - Little leaf Boxwood .....	84.92	
32 93 33 00-0062	EA	30" Balled and Burlapped,	Buxus microphylla & cvs - Little leaf Boxwood .....	114.89	
32 93 33 00-0063	EA	5	Gallon Calycanthus floridus - Common Sweetshrub .....	41.21	
32 93 33 00-0064	EA	30" Balled and Burlapped,	Calycanthus floridus - Common Sweetshrub .....	37.46	
32 93 33 00-0065	EA	36" Balled and Burlapped,	Calycanthus floridus - Common Sweetshrub .....	49.95	
32 93 33 00-0066	EA	1	Gallon Camellia "Sasanqua" - Camellia .....	16.68	
32 93 33 00-0067	EA	3	Gallon Camellia "Sasanqua" - Camellia .....	35.59	
32 93 33 00-0068	EA	5	Gallon Camellia "Sasanqua" - Camellia .....	59.17	
32 93 33 00-0069	EA	7	Gallon Camellia "Sasanqua" - Camellia .....	88.11	
32 93 33 00-0070	EA	15	Gallon Camellia "Sasanqua" - Camellia .....	228.61	
32 93 33 00-0071	EA	1	Gallon Camellia japonica - Camellia .....	16.68	
32 93 33 00-0072	EA	3	Gallon Camellia japonica - Camellia .....	35.59	
32 93 33 00-0073	EA	5	Gallon Camellia japonica - Camellia .....	59.17	
32 93 33 00-0074	EA	5	Gallon Ceanothus americanus - New Jersey Tea .....	41.21	
32 93 33 00-0075	EA	5	Gallon Celastrus scandens - Bittersweet .....	41.21	
32 93 33 00-0076	EA	36" Balled and Burlapped,	Celastrus scandens - Bittersweet .....	34.97	
32 93 33 00-0077	EA	5	Gallon Cephalanthus occidentalis - Buttonbush .....	41.21	
32 93 33 00-0078	EA	24" Balled and Burlapped,	Cephalanthus occidentalis - Buttonbush .....	31.22	
32 93 33 00-0079	EA	30" Balled and Burlapped,	Cephalanthus occidentalis - Buttonbush .....	34.97	
32 93 33 00-0080	EA	36" Balled and Burlapped,	Cephalanthus occidentalis - Buttonbush .....	37.46	
32 93 33 00-0081	EA	18" To 24"	Chaenomeles speciosa - Flowering Quince .....	35.95	
32 93 33 00-0082	EA	2' To 3'	Chaenomeles speciosa - Flowering Quince .....	47.89	
32 93 33 00-0083	EA	3' To 4'	Chaenomeles speciosa - Flowering Quince .....	73.92	
32 93 33 00-0084	EA	3	Gallon Clethra alnifolia & cvs - Summersweet Clethra .....	39.96	
32 93 33 00-0085	EA	18" Balled and Burlapped,	Clethra alnifolia & cvs - Summersweet Clethra .....	43.08	
32 93 33 00-0086	EA	24" Balled and Burlapped,	Clethra alnifolia & cvs - Summersweet Clethra .....	48.08	
32 93 33 00-0087	EA	30" Balled and Burlapped,	Clethra alnifolia & cvs - Summersweet Clethra .....	50.58	
32 93 33 00-0088	EA	36" Balled and Burlapped,	Clethra alnifolia & cvs - Summersweet Clethra .....	59.32	
32 93 33 00-0089	EA	2' To 3'	Cornus mas - Cornelian Cherry .....	56.88	
32 93 33 00-0090	EA	3' To 4'	Cornus mas - Cornelian Cherry .....	71.10	
32 93 33 00-0091	EA	4' To 5'	Cornus mas - Cornelian Cherry .....	91.10	
32 93 33 00-0092	EA	5' To 6'	Cornus mas - Cornelian Cherry .....	125.17	
32 93 33 00-0093	EA	5	Gallon Cornus alba & cvs - Tartarian Dogwood .....	37.46	
32 93 33 00-0094	EA	36" Balled and Burlapped,	Cornus alba & cvs - Tartarian Dogwood .....	26.23	
32 93 33 00-0095	EA	48" Balled and Burlapped,	Cornus alba & cvs - Tartarian Dogwood .....	29.97	
32 93 33 00-0096	EA	60" Balled and Burlapped,	Cornus alba & cvs - Tartarian Dogwood .....	37.46	
32 93 33 00-0097	EA	72" Balled and Burlapped,	Cornus alba & cvs - Tartarian Dogwood .....	44.96	
32 93 33 00-0098	EA	36" Balled and Burlapped,	Cornus amomum - Silky Dogwood .....	37.46	
32 93 33 00-0099	EA	5	Gallon Cornus obliqua - Blue Fruited Dogwood .....	41.21	
32 93 33 00-0100	EA	5	Gallon Cornus racemosa - Gray Dogwood .....	41.21	
32 93 33 00-0101	EA	36" Balled and Burlapped,	Cornus racemosa - Gray Dogwood .....	37.46	
32 93 33 00-0102	EA	48" Balled and Burlapped,	Cornus racemosa - Gray Dogwood .....	43.71	
32 93 33 00-0103	EA	60" Balled and Burlapped,	Cornus racemosa - Gray Dogwood .....	47.46	
32 93 33 00-0104	EA	72" Balled and Burlapped,	Cornus racemosa - Gray Dogwood .....	57.45	
32 93 33 00-0105	EA	36" Balled and Burlapped,	Cornus sanguinea & cvs - Bloodtwig Dogwood .....	40.59	
32 93 33 00-0106	EA	48" Balled and Burlapped,	Cornus sanguinea & cvs - Bloodtwig Dogwood .....	45.58	
32 93 33 00-0107	EA	60" Balled and Burlapped,	Cornus sanguinea & cvs - Bloodtwig Dogwood .....	51.83	
32 93 33 00-0108	EA	24" Balled and Burlapped,	Cornus sericea & cvs - Redosier Dogwood .....	32.47	
32 93 33 00-0109	EA	30" Balled and Burlapped,	Cornus sericea & cvs - Redosier Dogwood .....	37.46	
32 93 33 00-0110	EA	36" Balled and Burlapped,	Cornus sericea & cvs - Redosier Dogwood .....	39.96	
32 93 33 00-0111	EA	48" Balled and Burlapped,	Cornus sericea & cvs - Redosier Dogwood .....	43.71	
32 93 33 00-0112	EA	60" Balled and Burlapped,	Cornus sericea & cvs - Redosier Dogwood .....	48.70	
32 93 33 00-0113	EA	5	Gallon Corylus americana - American Filbert .....	38.71	
32 93 33 00-0114	EA	30" Balled and Burlapped,	Corylus americana - American Filbert .....	43.71	
32 93 33 00-0115	EA	36" Balled and Burlapped,	Corylus americana - American Filbert .....	46.83	
32 93 33 00-0116	EA	48" Balled and Burlapped,	Corylus americana - American Filbert .....	50.58	
32 93 33 00-0117	EA	24" Balled and Burlapped,	Corylus avellana - Contorted Hazelnut .....	124.88	
32 93 33 00-0118	EA	30" Balled and Burlapped,	Corylus avellana - Contorted Hazelnut .....	162.35	
32 93 33 00-0119	EA	36" Balled and Burlapped,	Corylus avellana - Contorted Hazelnut .....	174.84	
32 93 33 00-0120	EA	42" Balled and Burlapped,	Corylus avellana - Contorted Hazelnut .....	224.79	
32 93 33 00-0121	EA	48" Balled and Burlapped,	Corylus avellana - Contorted Hazelnut .....	274.74	
32 93 33 00-0122	EA	60" Balled and Burlapped,	Corylus avellana - Contorted Hazelnut .....	312.21	
32 93 33 00-0123	EA	5' To 6'	Cotinus coggygria - Smoke Tree .....	119.54	
32 93 33 00-0124	EA	6' To 8'	Cotinus coggygria - Smoke Tree .....	179.24	
32 93 33 00-0125	EA	8' To 10'	Cotinus coggygria - Smoke Tree .....	270.33	
32 93 33 00-0126	EA	5	Gallon Cotoneaster acutifolia & cvs - Peking Cotoneaster .....	31.22	
32 93 33 00-0127	EA	18" Balled and Burlapped,	Cotoneaster acutifolia & cvs - Peking Cotoneaster .....	31.22	
32 93 33 00-0128	EA	24" Balled and Burlapped,	Cotoneaster acutifolia & cvs - Peking Cotoneaster .....	32.47	
32 93 33 00-0129	EA	12" To 15"	Spread Cotoneaster adpressus - Creeping Cotoneaster .....	29.92	
32 93 33 00-0130	EA	3	Gallon Cotoneaster apiculata & cvs - Cranberry Cotoneaster .....	32.47	
32 93 33 00-0131	EA	18" Balled and Burlapped,	Cotoneaster apiculata & cvs - Cranberry Cotoneaster .....	31.22	
32 93 33 00-0132	EA	24" Balled and Burlapped,	Cotoneaster apiculata & cvs - Cranberry Cotoneaster .....	32.47	
32 93 33 00-0133	EA	1	Gallon Cotoneaster divaricatus - Spreading Cotoneaster .....	12.88	
32 93 33 00-0134	EA	2' To 3'	Cotoneaster divaricatus - Spreading Cotoneaster .....	39.85	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 33 00-0135	EA	3' To 4' Cotoneaster divaricatus - Spreading Cotoneaster.....	53.80
32 93 33 00-0136	EA	4' To 5' Cotoneaster divaricatus - Spreading Cotoneaster.....	91.09
32 93 33 00-0137	EA	1 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	12.88
32 93 33 00-0138	EA	2 Gallon Cotoneaster horizontalis - Rockspray Cotoneaster.....	25.36
32 93 33 00-0139	EA	18" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	31.85
32 93 33 00-0140	EA	24" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	34.97
32 93 33 00-0141	EA	30" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	44.96
32 93 33 00-0142	EA	36" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	52.45
32 93 33 00-0143	EA	42" Balled and Burlapped, Deutzia gracilis - Slender Deutzia.....	59.94
32 93 33 00-0144	EA	24" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	49.95
32 93 33 00-0145	EA	30" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	59.94
32 93 33 00-0146	EA	36" Balled and Burlapped, Diervilla sessilifolia - Southern Bush Honeysuckle.....	69.93
32 93 33 00-0147	EA	2 Gallon Diervilla splendens - Splendens Bush Honeysuckle.....	18.73
32 93 33 00-0148	EA	36" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	44.96
32 93 33 00-0149	EA	48" Balled and Burlapped, Diervilla splendens - Splendens Bush Honeysuckle.....	59.94
32 93 33 00-0150	EA	3' To 4' Elaeagnus umbellata - Autumn Olive.....	37.30
32 93 33 00-0151	EA	4' To 5' Elaeagnus umbellata - Autumn Olive.....	51.25
32 93 33 00-0152	EA	5' To 6' Elaeagnus umbellata - Autumn Olive.....	61.31
32 93 33 00-0153	EA	3' To 4' Elaeagnus angustifolia - Russian Olive.....	59.70
32 93 33 00-0154	EA	1 Gallon Euonymus - Gold Spot.....	10.73
32 93 33 00-0155	EA	2 Gallon Euonymus - Gold Spot.....	22.54
32 93 33 00-0156	EA	5 Gallon Euonymus - Gold Spot.....	30.99
32 93 33 00-0157	EA	1 Gallon Euonymus alatus - Winged Euonymus.....	9.16
32 93 33 00-0158	EA	3 Gallon Euonymus alatus - Winged Euonymus.....	26.43
32 93 33 00-0159	EA	24" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	35.62
32 93 33 00-0160	EA	30" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	44.52
32 93 33 00-0161	EA	36" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	61.18
32 93 33 00-0162	EA	42" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	75.54
32 93 33 00-0163	EA	48" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	89.04
32 93 33 00-0164	EA	54" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	114.89
32 93 33 00-0165	EA	5 Gallon Euonymus alatus - Winged Euonymus.....	33.03
32 93 33 00-0166	EA	60" Balled and Burlapped, Euonymus alatus - Winged Euonymus.....	143.62
32 93 33 00-0167	EA	30" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	56.20
32 93 33 00-0168	EA	36" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	66.81
32 93 33 00-0169	EA	42" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	87.42
32 93 33 00-0170	EA	48" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	104.90
32 93 33 00-0171	EA	60" Balled and Burlapped, Euonymus alatus compactus - Compact Winged Euonymus.....	129.88
32 93 33 00-0172	EA	18" To 24" Euonymus alatus - Winged Burning Bush.....	39.85
32 93 33 00-0173	EA	2' To 2-1/2' Euonymus alatus - Winged Burning Bush.....	46.96
32 93 33 00-0174	EA	2-1/2' To 3' Euonymus alatus - Winged Burning Bush.....	64.13
32 93 33 00-0175	EA	3' To 3-1/2' Euonymus alatus - Winged Burning Bush.....	76.87
32 93 33 00-0176	EA	3-1/2' To 4' Euonymus alatus - Winged Burning Bush.....	96.73
32 93 33 00-0177	EA	4' To 5' Euonymus alatus - Winged Burning Bush.....	136.57
32 93 33 00-0178	EA	5' To 6' Euonymus alatus - Winged Burning Bush.....	170.78
32 93 33 00-0179	EA	6' To 8' Euonymus alatus - Winged Burning Bush.....	199.23
32 93 33 00-0180	EA	15" To 18" Euonymus alatus - Dwarf Winged Burning Bush.....	39.85
32 93 33 00-0181	EA	18" To 24" Euonymus alatus - Dwarf Winged Burning Bush.....	45.48
32 93 33 00-0182	EA	2' To 2-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	55.54
32 93 33 00-0183	EA	2-1/2' To 3' Euonymus alatus - Dwarf Winged Burning Bush.....	78.35
32 93 33 00-0184	EA	3' To 3-1/2' Euonymus alatus - Dwarf Winged Burning Bush.....	92.57
32 93 33 00-0185	EA	3-1/2' To 4' Euonymus alatus - Dwarf Winged Burning Bush.....	110.95
32 93 33 00-0186	EA	4' To 5' Euonymus alatus - Dwarf Winged Burning Bush.....	156.56
32 93 33 00-0187	EA	5' To 6' Euonymus alatus - Dwarf Winged Burning Bush.....	185.00
32 93 33 00-0188	EA	36" Balled and Burlapped, Euonymus atropurpurea - Eastern Wahoo.....	33.72
32 93 33 00-0189	EA	1 Gallon Euonymus fortunei - Wintercreeper.....	12.88
32 93 33 00-0190	EA	2 Gallon Euonymus fortunei - Wintercreeper.....	25.36
32 93 33 00-0191	EA	3 Gallon Euonymus fortunei - Wintercreeper.....	30.99
32 93 33 00-0192	EA	5 Gallon Euonymus fortunei - Wintercreeper.....	36.76
32 93 33 00-0193	EA	2' To 3' Forsythia - Korean Forsythia.....	28.44
32 93 33 00-0194	EA	3' To 4' Forsythia - Korean Forsythia.....	35.96
32 93 33 00-0195	EA	4' To 5' Forsythia - Korean Forsythia.....	44.81
32 93 33 00-0196	EA	30" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	28.72
32 93 33 00-0197	EA	36" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	31.85
32 93 33 00-0198	EA	48" Balled and Burlapped, Forsythia cvs - Forsythia cultivars.....	34.34
32 93 33 00-0199	EA	18" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	29.97
32 93 33 00-0200	EA	24" Balled and Burlapped, Forsythia viridissima & cvs - Green Forsythia.....	39.96
32 93 33 00-0201	EA	24" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	29.97
32 93 33 00-0202	EA	30" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	34.97
32 93 33 00-0203	EA	36" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	41.21
32 93 33 00-0204	EA	42" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	47.46
32 93 33 00-0205	EA	48" Balled and Burlapped, Forsythia x intermedia & cvs - Border Forsythia.....	54.95
32 93 33 00-0206	EA	2 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	42.46
32 93 33 00-0207	EA	3 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	59.32
32 93 33 00-0208	EA	5 Gallon Fothergilla gardenii & cvs - Dwarf Fothergilla.....	62.44
32 93 33 00-0209	EA	15" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	64.94
32 93 33 00-0210	EA	18" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	69.93
32 93 33 00-0211	EA	24" Balled and Burlapped, Fothergilla gardenii & cvs - Dwarf Fothergilla.....	84.92
32 93 33 00-0212	EA	24" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	109.90
32 93 33 00-0213	EA	30" Balled and Burlapped, Fothergilla major - Large Fothergilla.....	124.88
32 93 33 00-0214	EA	1 Gallon Gardenia jasminoides - Cape Jasmine.....	9.26
32 93 33 00-0215	EA	3 Gallon Gardenia jasminoides - Cape Jasmine.....	24.28
32 93 33 00-0216	EA	5 Gallon Gardenia jasminoides - Cape Jasmine.....	30.99
32 93 33 00-0217	EA	36" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	87.42
32 93 33 00-0218	EA	48" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	142.37
32 93 33 00-0219	EA	60" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel.....	179.83

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0220	EA		72" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	274.74	
32 93 33 00-0221	EA		84" Balled and Burlapped, Hamamelis vernalis & cvs - Vernal Witchhazel	312.21	
32 93 33 00-0222	EA		1 Gallon Hedychium gartdnerum - Variegated Ginger	5.31	
32 93 33 00-0223	EA		3 Gallon Hedychium gartdnerum - Variegated Ginger	18.67	
32 93 33 00-0224	EA		5 Gallon Hedychium gartdnerum - Variegated Ginger	35.90	
32 93 33 00-0225	EA		1 Gallon Hibiscus rosa-sinensis - Hibiscus	13.61	
32 93 33 00-0226	EA		3 Gallon Hibiscus rosa-sinensis - Hibiscus	22.98	
32 93 33 00-0227	EA		5 Gallon Hibiscus rosa-sinensis - Hibiscus	34.75	
32 93 33 00-0228	EA		5 Gallon Hibiscus syriacus - Rose Of Sharon	35.96	
32 93 33 00-0229	EA		2' To 3' Hibiscus syriacus - Rose Of Sharon	30.59	
32 93 33 00-0230	EA		3' To 4' Hibiscus syriacus - Rose Of Sharon	41.32	
32 93 33 00-0231	EA		4' To 5' Hibiscus syriacus - Rose Of Sharon	59.70	
32 93 33 00-0232	EA		5' To 6' Hibiscus syriacus - Rose Of Sharon	82.51	
32 93 33 00-0233	EA		2 Gallon Hydrangea - Blue Hydrangea	25.36	
32 93 33 00-0234	EA		5 Gallon Hydrangea - Blue Hydrangea	35.69	
32 93 33 00-0235	EA		2' To 3' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	39.84	
32 93 33 00-0236	EA		3' To 4' Hydrangea paniculata "Grandiflora" - Peegee Hydrangea	45.48	
32 93 33 00-0237	EA		2 Gallon Hydrangea quercifolia - Oakleaf Hydrangea	25.36	
32 93 33 00-0238	EA		5 Gallon Hydrangea arborescens & cvs - Smooth Hydrangea	43.71	
32 93 33 00-0239	EA		30" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	47.46	
32 93 33 00-0240	EA		36" Balled and Burlapped, Hydrangea arborescens & cvs - Smooth Hydrangea	54.95	
32 93 33 00-0241	EA		4 Gallon Hydrangea macrophylla & cvs - Bigleaf Hydrangea	57.45	
32 93 33 00-0242	EA		18" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	44.96	
32 93 33 00-0243	EA		24" Balled and Burlapped, Hydrangea macrophylla & cvs - Bigleaf Hydrangea	59.94	
32 93 33 00-0244	EA		3 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	26.23	
32 93 33 00-0245	EA		5 Gallon Hydrangea paniculata & cvs - Panicle Hydrangea	31.22	
32 93 33 00-0246	EA		18" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	26.85	
32 93 33 00-0247	EA		24" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	28.72	
32 93 33 00-0248	EA		30" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	32.47	
32 93 33 00-0249	EA		36" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	37.46	
32 93 33 00-0250	EA		48" Balled and Burlapped, Hydrangea paniculata & cvs - Panicle Hydrangea	49.95	
32 93 33 00-0251	EA		18" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	36.22	
32 93 33 00-0252	EA		24" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	41.21	
32 93 33 00-0253	EA		30" Balled and Burlapped, Hydrangea quercifolia & cvs - Oakleaf Hydrangea	48.70	
32 93 33 00-0254	EA		2 Gallon Hypericum kalmianum - St. John's Wort	25.36	
32 93 33 00-0255	EA		3 Gallon Hypericum kalmianum - Kalm St. John's Wort	29.97	
32 93 33 00-0256	EA		24" Balled and Burlapped, Hypericum kalmianum - Kalm St. John's Wort	32.47	
32 93 33 00-0257	EA		1 Gallon Ilex "Carissa" - Holly	12.88	
32 93 33 00-0258	EA		2 Gallon Ilex "Carissa" - Holly	25.36	
32 93 33 00-0259	EA		5 Gallon Ilex "Carissa" - Holly	35.69	
32 93 33 00-0260	EA		18" To 24" Ilex - Gulfside Sweet Holly	34.21	
32 93 33 00-0261	EA		2' To 2-1/2' Ilex - Gulfside Sweet Holly	43.33	
32 93 33 00-0262	EA		2-1/2' To 3' Ilex - Gulfside Sweet Holly	56.21	
32 93 33 00-0263	EA		3' To 3-1/2' Ilex - Gulfside Sweet Holly	68.29	
32 93 33 00-0264	EA		3 Gallon Ilex cornuta - Dwarf Horned Holly	25.55	
32 93 33 00-0265	EA		1 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	12.88	
32 93 33 00-0266	EA		2 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	25.36	
32 93 33 00-0267	EA		5 Gallon Ilex cornuta, Osmanthus heterophyllus - Dwarf Chinese Holly	36.76	
32 93 33 00-0268	EA		1 Gallon Ilex crenata - Hellers Japanese Holly	12.88	
32 93 33 00-0269	EA		2 Gallon Ilex crenata - Hellers Japanese Holly	28.17	
32 93 33 00-0270	EA		3 Gallon Ilex crenata - Hellers Japanese Holly	36.76	
32 93 33 00-0271	EA		2 Gallon Ilex crenata - Hetzi Japanese Holly	28.17	
32 93 33 00-0272	EA		3 Gallon Ilex crenata - Hetzi Japanese Holly	33.94	
32 93 33 00-0273	EA		2' To 3' Ilex crenata - Hetzi Japanese Holly	68.29	
32 93 33 00-0274	EA		3' To 4' Ilex crenata - Hetzi Japanese Holly	91.09	
32 93 33 00-0275	EA		2' To 3' Ilex opaca - American Holly	91.09	
32 93 33 00-0276	EA		3' To 4' Ilex opaca - American Holly	150.79	
32 93 33 00-0277	EA		4' To 5' Ilex opaca - American Holly	193.46	
32 93 33 00-0278	EA		5' To 6' Ilex opaca - American Holly	233.30	
32 93 33 00-0279	EA		6' To 7' Ilex opaca - American Holly	327.21	
32 93 33 00-0280	EA		7' To 8' Ilex opaca - American Holly	455.33	
32 93 33 00-0281	EA		8' To 10' Ilex opaca - American Holly	654.42	
32 93 33 00-0282	EA		10' To 12' Ilex opaca - American Holly	995.99	
32 93 33 00-0283	EA		12' To 14' Ilex opaca - American Holly	1,209.30	
32 93 33 00-0284	EA		14' To 16' Ilex opaca - American Holly	1,493.85	
32 93 33 00-0285	EA		2' To 3' Ilex verticillata - Winterberry (Female)	91.09	
32 93 33 00-0286	EA		3' To 4' Ilex verticillata - Winterberry (Female)	119.54	
32 93 33 00-0287	EA		2' To 3' Ilex verticillata - Winterberry (Male)	73.92	
32 93 33 00-0288	EA		3' To 4' Ilex verticillata - Winterberry (Male)	102.50	
32 93 33 00-0289	EA		4' To 5' Ilex verticillata - Winterberry (Male)	119.54	
32 93 33 00-0290	EA		1 Gallon Ilex vomitoria - Yaupon Holly	12.08	
32 93 33 00-0291	EA		3 Gallon Ilex vomitoria - Yaupon Holly	24.28	
32 93 33 00-0292	EA		10 Gallon Ilex vomitoria - Yaupon Holly	85.32	
32 93 33 00-0293	EA		18" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	38.71	
32 93 33 00-0294	EA		24" Balled and Burlapped, Ilex glabra compacta & cvs - Compact Inkberry Holly	43.71	
32 93 33 00-0295	EA		3 Gallon Ilex meserveae & cvs - Blue Holly	49.95	
32 93 33 00-0296	EA		18" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	46.21	
32 93 33 00-0297	EA		24" Balled and Burlapped, Ilex meserveae & cvs - Blue Holly	56.20	
32 93 33 00-0298	EA		5 Gallon Ilex verticillata & cvs - Common Winterberry	41.21	
32 93 33 00-0299	EA		24" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	41.21	
32 93 33 00-0300	EA		30" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	43.71	
32 93 33 00-0301	EA		36" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	52.45	
32 93 33 00-0302	EA		42" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	58.69	
32 93 33 00-0303	EA		48" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	62.44	
32 93 33 00-0304	EA		60" Balled and Burlapped, Ilex verticillata & cvs - Common Winterberry	79.92	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 33 00-0305	EA	4' To 5' Ilex x attenuata "Foster" - Holly	147.98
32 93 33 00-0306	EA	5' To 6' Ilex x attenuata "Foster" - Holly	196.27
32 93 33 00-0307	EA	6' To 7' Ilex x attenuata "Foster" - Holly	175.61
32 93 33 00-0308	EA	7' To 8' Ilex x attenuata "Foster" - Holly	341.43
32 93 33 00-0309	EA	1 Gallon Jasimum - Jasmine	3.30
32 93 33 00-0310	EA	3 Gallon Jasimum - Jasmine	12.93
32 93 33 00-0311	EA	3 Gallon Jasimum - Orange Jasmine	10.05
32 93 33 00-0312	EA	4' - 5' Jasimum - Orange Jasmine	114.89
32 93 33 00-0313	EA	6' - 7' Jasimum - Orange Jasmine	229.78
32 93 33 00-0314	EA	8' - 10' Jasimum - Orange Jasmine	310.21
32 93 33 00-0315	EA	3 Gallon Juniperus chinensis cvs - Chinese Juniper	43.71
32 93 33 00-0316	EA	5 Gallon Juniperus chinensis cvs - Chinese Juniper	48.70
32 93 33 00-0317	EA	18" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	64.94
32 93 33 00-0318	EA	24" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	84.92
32 93 33 00-0319	EA	30" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	99.91
32 93 33 00-0320	EA	36" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	134.87
32 93 33 00-0321	EA	48" Balled and Burlapped, Juniperus chinensis cvs - Chinese Juniper	184.83
32 93 33 00-0322	EA	1 Gallon Juniperus horizontalis cvs - Creeping Juniper	20.82
32 93 33 00-0323	EA	3 Gallon Juniperus horizontalis cvs - Creeping Juniper	43.71
32 93 33 00-0324	EA	5 Gallon Juniperus horizontalis cvs - Creeping Juniper	48.70
32 93 33 00-0325	EA	15" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	52.45
32 93 33 00-0326	EA	18" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	57.45
32 93 33 00-0327	EA	24" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	69.93
32 93 33 00-0328	EA	30" Balled and Burlapped, Juniperus horizontalis cvs - Creeping Juniper	84.92
32 93 33 00-0329	EA	3 Gallon Juniperus procumbens cvs - Japanese Garden Juniper	33.72
32 93 33 00-0330	EA	18" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	39.96
32 93 33 00-0331	EA	24" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	54.95
32 93 33 00-0332	EA	30" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	69.93
32 93 33 00-0333	EA	36" Balled and Burlapped, Juniperus procumbens cvs - Japanese Garden Juniper	84.92
32 93 33 00-0334	EA	3 Gallon Juniperus sabina cvs - Savin Juniper	31.22
32 93 33 00-0335	EA	5 Gallon Juniperus sabina cvs - Savin Juniper	37.46
32 93 33 00-0336	EA	4 Gallon Juniperus virginiana cvs - Red Cedar Juniper	32.47
32 93 33 00-0337	EA	36" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	62.44
32 93 33 00-0338	EA	48" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	97.41
32 93 33 00-0339	EA	60" Balled and Burlapped, Juniperus virginiana cvs - Red Cedar Juniper	122.38
32 93 33 00-0340	EA	15" To 18" Kalmia latifolia - Mountain Laurel	51.25
32 93 33 00-0341	EA	18" To 24" Kalmia latifolia - Mountain Laurel	68.29
32 93 33 00-0342	EA	2' To 3' Kalmia latifolia - Mountain Laurel	99.55
32 93 33 00-0343	EA	4' To 5' Kalmia latifolia - Mountain Laurel	182.05
32 93 33 00-0344	EA	5' To 6' Kalmia latifolia - Mountain Laurel	278.91
32 93 33 00-0345	EA	6' To 8' Kalmia latifolia - Mountain Laurel	426.89
32 93 33 00-0346	EA	1 Gallon Kerria japonica - Kerria	11.40
32 93 33 00-0347	EA	5 Gallon Kerria japonica - Kerria	35.69
32 93 33 00-0348	EA	24" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	36.22
32 93 33 00-0349	EA	30" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	41.21
32 93 33 00-0350	EA	36" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	44.96
32 93 33 00-0351	EA	42" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	52.45
32 93 33 00-0352	EA	48" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	59.94
32 93 33 00-0353	EA	60" Balled and Burlapped, Kolkwitzia amabilis & cvs - Beautybush	74.93
32 93 33 00-0354	EA	1 Gallon Lagerstroemia indica - Crape Myrtle	8.59
32 93 33 00-0355	EA	5 Gallon Lagerstroemia indica - Crape Myrtle	30.59
32 93 33 00-0356	EA	3' To 4' Lagerstroemia indica - Crape Myrtle	42.66
32 93 33 00-0357	EA	4' To 5' Lagerstroemia indica - Crape Myrtle	62.65
32 93 33 00-0358	EA	5' To 6' Lagerstroemia indica - Crape Myrtle	99.55
32 93 33 00-0359	EA	7' To 8' Lagerstroemia indica - Crape Myrtle	129.25
32 93 33 00-0360	EA	9' To 10' Lagerstroemia indica - Crape Myrtle	172.34
32 93 33 00-0361	EA	11' To 12' Lagerstroemia indica - Crape Myrtle	359.04
32 93 33 00-0362	EA	1 Gallon Leucothoe axillaris - Coast Leucothoe	12.88
32 93 33 00-0363	EA	2 Gallon Leucothoe axillaris - Coast Leucothoe	28.17
32 93 33 00-0364	EA	3 Gallon Leucothoe axillaris - Coast Leucothoe	33.94
32 93 33 00-0365	EA	1 Gallon Ligustrum lucidum - Glossy Privet	7.92
32 93 33 00-0366	EA	5 Gallon Ligustrum lucidum - Glossy Privet	24.28
32 93 33 00-0367	EA	15 Gallon Ligustrum lucidum - Glossy Privet	113.77
32 93 33 00-0368	EA	1 Gallon Ligustrum sinense - Variegated Chinese Privet	7.92
32 93 33 00-0369	EA	2 Gallon Ligustrum sinense - Variegated Chinese Privet	17.04
32 93 33 00-0370	EA	3 Gallon Ligustrum sinense - Variegated Chinese Privet	22.14
32 93 33 00-0371	EA	36" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	37.46
32 93 33 00-0372	EA	48" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	54.95
32 93 33 00-0373	EA	60" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	69.93
32 93 33 00-0374	EA	72" Balled and Burlapped, Ligustrum vulgare & cvs - Common Privet	79.92
32 93 33 00-0375	EA	5 Gallon Linderia benzoin - Spicebush	41.21
32 93 33 00-0376	EA	36" Balled and Burlapped, Linderia benzoin - Spicebush	34.97
32 93 33 00-0377	EA	48" Balled and Burlapped, Linderia benzoin - Spicebush	42.46
32 93 33 00-0378	EA	2' To 3' Lonicera fragrantissima - Winter Honeysuckle	68.29
32 93 33 00-0379	EA	3' To 4' Lonicera fragrantissima - Winter Honeysuckle	82.51
32 93 33 00-0380	EA	30" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	37.46
32 93 33 00-0381	EA	36" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	44.96
32 93 33 00-0382	EA	42" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	49.95
32 93 33 00-0383	EA	48" Balled and Burlapped, Lonicera tatarica & cvs - Tatarian Honeysuckle	54.95
32 93 33 00-0384	EA	1 Gallon Myrica cerifera - Wax Myrtle	7.18
32 93 33 00-0385	EA	4 Gallon Myrica cerifera - Wax Myrtle	22.98
32 93 33 00-0386	EA	7 Gallon Myrica cerifera - Wax Myrtle	50.27
32 93 33 00-0387	EA	10 Gallon Myrica cerifera - Wax Myrtle	74.68
32 93 33 00-0388	EA	15 Gallon Myrica cerifera - Wax Myrtle	114.89
32 93 33 00-0389	EA	45 Gallon Myrica cerifera - Wax Myrtle	344.68



MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT	COST	UNIT COST
32 93 33 00-0390	EA	1' - 2' Myrica cerifera - Wax Myrtle.....			10.05
32 93 33 00-0391	EA	3' - 4' Myrica cerifera - Wax Myrtle.....			34.47
32 93 33 00-0392	EA	5' - 6' Myrica cerifera - Wax Myrtle.....			63.19
32 93 33 00-0393	EA	7' - 8' Myrica cerifera - Wax Myrtle.....			86.17
32 93 33 00-0394	EA	9' - 10' Myrica cerifera - Wax Myrtle.....			114.89
32 93 33 00-0395	EA	11' - 12' Myrica cerifera - Wax Myrtle.....			175.21
32 93 33 00-0396	EA	3 Gallon Myrica pensylvanica - Northern Bayberry.....			37.46
32 93 33 00-0397	EA	24" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....			61.19
32 93 33 00-0398	EA	30" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....			89.92
32 93 33 00-0399	EA	36" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....			107.40
32 93 33 00-0400	EA	48" Balled and Burlapped, Myrica pensylvanica - Northern Bayberry.....			112.39
32 93 33 00-0401	EA	1 Gallon Nandina domestica - Heavenly Bamboo.....			12.88
32 93 33 00-0402	EA	2 Gallon Nandina domestica - Heavenly Bamboo.....			28.17
32 93 33 00-0403	EA	5 Gallon Nandina domestica - Heavenly Bamboo.....			42.66
32 93 33 00-0404	EA	1 Gallon Osmanthus fragrans - Fragrant Tea Olive.....			7.92
32 93 33 00-0405	EA	3 Gallon Osmanthus fragrans - Fragrant Tea Olive.....			21.46
32 93 33 00-0406	EA	1 Gallon Philadelphus - Evergreen Mockorange.....			11.00
32 93 33 00-0407	EA	5 Gallon Philadelphus - Evergreen Mockorange.....			35.69
32 93 33 00-0408	EA	36" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....			37.46
32 93 33 00-0409	EA	42" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....			43.71
32 93 33 00-0410	EA	48" Balled and Burlapped, Philadelphus x virginialis & cvs - Mockorange.....			49.95
32 93 33 00-0411	EA	24" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....			37.46
32 93 33 00-0412	EA	30" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....			43.71
32 93 33 00-0413	EA	36" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....			49.95
32 93 33 00-0414	EA	42" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....			62.44
32 93 33 00-0415	EA	48" Balled and Burlapped, Physocarpus opulifolius 'Nana' - Dwarf Common Ninebark.....			74.93
32 93 33 00-0416	EA	12" To 15" Spread Pieris - Mountain Andromeda.....			34.48
32 93 33 00-0417	EA	15" To 18" Spread Pieris - Mountain Andromeda.....			73.92
32 93 33 00-0418	EA	12" To 15" Pieris japonica - Japanese Andromeda.....			44.81
32 93 33 00-0419	EA	15" To 18" Pieris japonica - Japanese Andromeda.....			51.25
32 93 33 00-0420	EA	18" To 24" Pieris japonica - Japanese Andromeda.....			64.13
32 93 33 00-0421	EA	2' To 2-1/2' Pieris japonica - Japanese Andromeda.....			91.09
32 93 33 00-0422	EA	2-1/2' To 3' Pieris japonica - Japanese Andromeda.....			108.13
32 93 33 00-0423	EA	24" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....			38.91
32 93 33 00-0424	EA	30" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....			49.80
32 93 33 00-0425	EA	36" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....			59.92
32 93 33 00-0426	EA	48" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....			77.04
32 93 33 00-0427	EA	60" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....			92.60
32 93 33 00-0428	EA	72" Balled and Burlapped, Pinus mugo & cvs - Mugo Pine.....			135.39
32 93 33 00-0429	EA	30" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....			84.04
32 93 33 00-0430	EA	36" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....			101.16
32 93 33 00-0431	EA	48" Balled and Burlapped, Pinus mugo compacta - Dwarf Mugo Pine.....			134.62
32 93 33 00-0432	EA	1 Gallon Pittosporum - Pittosporum.....			4.74
32 93 33 00-0433	EA	3 Gallon Pittosporum - Pittosporum.....			12.21
32 93 33 00-0434	EA	1 Gallon Pittosporum - Varigated Pittosporum.....			4.74
32 93 33 00-0435	EA	3 Gallon Pittosporum - Varigated Pittosporum.....			12.21
32 93 33 00-0436	EA	5 Gallon Pittosporum - Varigated Pittosporum.....			21.40
32 93 33 00-0437	EA	2 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....			21.23
32 93 33 00-0438	EA	5 Gallon Potentilla fruticosa & cvs - Bush Cinquefoil.....			29.97
32 93 33 00-0439	EA	18" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....			22.48
32 93 33 00-0440	EA	24" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....			24.98
32 93 33 00-0441	EA	30" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....			36.22
32 93 33 00-0442	EA	36" Balled and Burlapped, Potentilla fruticosa & cvs - Bush Cinquefoil.....			41.84
32 93 33 00-0443	EA	1 Gallon Prunus caroliniana - Carolina Cherry Laurel.....			5.35
32 93 33 00-0444	EA	5 Gallon Prunus caroliniana - Carolina Cherry Laurel.....			13.37
32 93 33 00-0445	EA	15 Gallon Prunus caroliniana - Carolina Cherry Laurel.....			79.75
32 93 33 00-0446	EA	15" To 18" Prunus laurocerasus - Cherry Laurel.....			20.40
32 93 33 00-0447	EA	18" To 24" Prunus laurocerasus - Cherry Laurel.....			25.24
32 93 33 00-0448	EA	24" To 30" Prunus laurocerasus - Cherry Laurel.....			32.85
32 93 33 00-0449	EA	15" To 18" Prunus triloba - Double White Flowering Almond.....			18.22
32 93 33 00-0450	EA	18" To 24" Prunus triloba - Double White Flowering Almond.....			23.32
32 93 33 00-0451	EA	3' To 4' Prunus triloba - Double White Flowering Almond.....			37.20
32 93 33 00-0452	EA	4' To 6' Prunus triloba - Double White Flowering Almond.....			74.48
32 93 33 00-0453	EA	5 Gallon Prunus triloba - Pink Flowering Almond.....			22.40
32 93 33 00-0454	EA	18" To 24" Prunus triloba - Pink Flowering Almond.....			25.16
32 93 33 00-0455	EA	2' To 3' Prunus triloba - Pink Flowering Almond.....			29.26
32 93 33 00-0456	EA	2' To 3' Prunus virginiana - Brilliant Chokeberry.....			19.90
32 93 33 00-0457	EA	3' To 4' Prunus virginiana - Brilliant Chokeberry.....			24.41
32 93 33 00-0458	EA	4' To 5' Prunus virginiana - Brilliant Chokeberry.....			29.26
32 93 33 00-0459	EA	5' To 6' Prunus virginiana - Brilliant Chokeberry.....			33.52
32 93 33 00-0460	EA	1 Gallon Punica granatum - Dwarf Pomegranate.....			8.45
32 93 33 00-0461	EA	3 Gallon Punica granatum - Dwarf Pomegranate.....			24.95
32 93 33 00-0462	EA	7 Gallon Punica granatum - Dwarf Pomegranate.....			51.25
32 93 33 00-0463	EA	1 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....			10.73
32 93 33 00-0464	EA	5 Gallon Pyracantha koidzumi "Santa Cruz" - Pyracantha.....			35.69
32 93 33 00-0465	EA	5 Gallon Espalier Pyracantha koidzumi "Santa Cruz" - Pyracantha.....			73.92
32 93 33 00-0466	EA	1 Gallon Ralphirolepis indica - Indian Hawthorne.....			8.59
32 93 33 00-0467	EA	2 Gallon Ralphirolepis indica - Indian Hawthorne.....			16.37
32 93 33 00-0468	EA	5 Gallon Ralphirolepis indica - Indian Hawthorne.....			29.11
32 93 33 00-0469	EA	4' To 5' Rhamnus frangula "Columnaris" - Tallhedge.....			65.47
32 93 33 00-0470	EA	5' To 6' Rhamnus frangula "Columnaris" - Tallhedge.....			89.75
32 93 33 00-0471	EA	6' To 8' Rhamnus frangula "Columnaris" - Tallhedge.....			116.72
32 93 33 00-0472	EA	10' To 12' Rhamnus frangula "Columnaris" - Tallhedge.....			213.45
32 93 33 00-0473	EA	1 Gallon Rhododendron - Azalea Evergreen Hybrids.....			13.95
32 93 33 00-0474	EA	2 Gallon Rhododendron - Azalea Evergreen Hybrids.....			28.17



## 32 Exterior Improvements

## 32 90 Planting

## 32 93 Plants

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 33 00-0475	EA	3 Gallon Rhododendron - Azalea Evergreen Hybrids	36.76	
32 93 33 00-0476	EA	5 Gallon Rhododendron - Azalea Evergreen Hybrids	42.66	
32 93 33 00-0477	EA	15" To 18" Rhododendron - Azalea Evergreen Hybrids	49.91	
32 93 33 00-0478	EA	18" To 24" Rhododendron - Azalea Evergreen Hybrids	62.65	
32 93 33 00-0479	EA	2' To 2-1/2' Rhododendron - Azalea Evergreen Hybrids	91.09	
32 93 33 00-0480	EA	2-1/2' To 3' Rhododendron - Azalea Evergreen Hybrids	127.99	
32 93 33 00-0481	EA	1 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	15.70	
32 93 33 00-0482	EA	2 Gallon Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	28.17	
32 93 33 00-0483	EA	15" To 18" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	48.43	
32 93 33 00-0484	EA	18" To 24" Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	62.65	
32 93 33 00-0485	EA	2' To 3' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	91.09	
32 93 33 00-0486	EA	3' To 4' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	133.76	
32 93 33 00-0487	EA	4' To 5' Rhododendron - Azalea Exbury, Knapp Hill And Llam Hybrids	179.24	
32 93 33 00-0488	EA	5 Gallon Rhododendron - Boxleaf Azara	35.69	
32 93 33 00-0489	EA	15 Gallon Rhododendron - Boxleaf Azara	127.99	
32 93 33 00-0490	EA	15" To 18" Rhododendron - Carolina Rhododendron	40.38	
32 93 33 00-0491	EA	18" To 24" Rhododendron - Carolina Rhododendron	71.10	
32 93 33 00-0492	EA	24" To 30" Rhododendron - Carolina Rhododendron	105.31	
32 93 33 00-0493	EA	2' To 3' Rhododendron - Five-leafed Azalea	47.89	
32 93 33 00-0494	EA	3' To 4' Rhododendron - Five-leafed Azalea	62.65	
32 93 33 00-0495	EA	4' To 5' Rhododendron - Five-leafed Azalea	82.51	
32 93 33 00-0496	EA	15" To 18" Rhododendron - Ghent Azalea	47.89	
32 93 33 00-0497	EA	18" To 24" Rhododendron - Ghent Azalea	59.70	
32 93 33 00-0498	EA	2' To 3' Rhododendron - Ghent Azalea	96.73	
32 93 33 00-0499	EA	3' To 4' Rhododendron - Ghent Azalea	133.76	
32 93 33 00-0500	EA	4' To 5' Rhododendron - Ghent Azalea	179.24	
32 93 33 00-0501	EA	5' To 6' Rhododendron - Ghent Azalea	239.07	
32 93 33 00-0502	EA	1 Gallon Rhododendron - Hybrid Rhododendron	15.70	
32 93 33 00-0503	EA	2 Gallon Rhododendron - Hybrid Rhododendron	33.94	
32 93 33 00-0504	EA	3 Gallon Rhododendron - Hybrid Rhododendron	48.16	
32 93 33 00-0505	EA	5 Gallon Rhododendron - Hybrid Rhododendron	53.80	
32 93 33 00-0506	EA	15" To 18" Rhododendron - Hybrid Rhododendron	45.48	
32 93 33 00-0507	EA	18" To 24" Rhododendron - Hybrid Rhododendron	62.65	
32 93 33 00-0508	EA	24" To 30" Rhododendron - Hybrid Rhododendron	85.32	
32 93 33 00-0509	EA	30" To 36" Rhododendron - Hybrid Rhododendron	99.55	
32 93 33 00-0510	EA	36" To 42" Rhododendron - Hybrid Rhododendron	142.34	
32 93 33 00-0511	EA	42" To 48" Rhododendron - Hybrid Rhododendron	176.42	
32 93 33 00-0512	EA	15" To 18" Rhododendron - Pjm Rhododendron	51.25	
32 93 33 00-0513	EA	18" To 24" Rhododendron - Pjm Rhododendron	62.65	
32 93 33 00-0514	EA	2' To 2-1/2' Rhododendron - Pjm Rhododendron	91.09	
32 93 33 00-0515	EA	2-1/2' To 3' Rhododendron - Pjm Rhododendron	116.72	
32 93 33 00-0516	EA	3' To 3-1/2' Rhododendron - Pjm Rhododendron	142.34	
32 93 33 00-0517	EA	12" To 15" Rhododendron - Torch Azalea	39.85	
32 93 33 00-0518	EA	15" To 18" Rhododendron - Torch Azalea	47.89	
32 93 33 00-0519	EA	18" To 24" Rhododendron - Torch Azalea	59.70	
32 93 33 00-0520	EA	2' To 3' Rhododendron - Torch Azalea	99.55	
32 93 33 00-0521	EA	3 Gallon Rhododendron cvs - Lepidote Rhododendron	44.96	
32 93 33 00-0522	EA	5 Gallon Rhododendron cvs - Lepidote Rhododendron	54.95	
32 93 33 00-0523	EA	18" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	67.44	
32 93 33 00-0524	EA	24" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	84.92	
32 93 33 00-0525	EA	30" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	99.91	
32 93 33 00-0526	EA	36" Balled and Burlapped, Rhododendron cvs - Lepidote Rhododendron	119.89	
32 93 33 00-0527	EA	1 Gallon Rhus glabra - Dwarf Smooth Sumac	12.88	
32 93 33 00-0528	EA	5 Gallon Rhus glabra - Dwarf Smooth Sumac	35.69	
32 93 33 00-0529	EA	2 Gallon Rhus aromatica & cvs - Fragrant Sumac	29.97	
32 93 33 00-0530	EA	5 Gallon Rhus aromatica & cvs - Fragrant Sumac	41.21	
32 93 33 00-0531	EA	18" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	47.46	
32 93 33 00-0532	EA	24" Balled and Burlapped, Rhus aromatica & cvs - Fragrant Sumac	62.44	
32 93 33 00-0533	EA	36" Balled and Burlapped, Rhus glabra - Smooth Sumac	37.46	
32 93 33 00-0534	EA	48" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	62.44	
32 93 33 00-0535	EA	72" Balled and Burlapped, Rhus typhina & cvs - Staghorn Sumac	99.91	
32 93 33 00-0536	EA	15" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	33.72	
32 93 33 00-0537	EA	18" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	38.71	
32 93 33 00-0538	EA	24" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	56.20	
32 93 33 00-0539	EA	30" Balled and Burlapped, Ribes alpinum & cvs - Alpine Currant	74.93	
32 93 33 00-0540	EA	1 Gallon Rosa hybrids & cvs - Shrub Rose	20.61	
32 93 33 00-0541	EA	2 Gallon Rosa hybrids & cvs - Shrub Rose	24.98	
32 93 33 00-0542	EA	3 Gallon Rosa hybrids & cvs - Shrub Rose	31.22	
32 93 33 00-0543	EA	2 Gallon Rosa rugosa & cvs - Rugosa Rose	22.48	
32 93 33 00-0544	EA	3 Gallon Rosa rugosa & cvs - Rugosa Rose	28.72	
32 93 33 00-0545	EA	5 Gallon Sambucus canadensis - American Elder	41.21	
32 93 33 00-0546	EA	2 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	18.51	
32 93 33 00-0547	EA	3 Gallon Sarcococca hookeriana humilis - Himalayan Sarcococca	27.10	
32 93 33 00-0548	EA	1 Gallon Sarcococca humilis - Fragrant Sarcococca	10.06	
32 93 33 00-0549	EA	5 Gallon Sarcococca humilis - Fragrant Sarcococca	26.30	
32 93 33 00-0550	EA	1 Gallon Skimmia japonica - Japanese Skimmia	12.88	
32 93 33 00-0551	EA	2 Gallon Skimmia japonica - Japanese Skimmia	25.62	
32 93 33 00-0552	EA	5 Gallon Skimmia japonica - Japanese Skimmia	41.32	
32 93 33 00-0553	EA	3' To 4' Spiraea - Garland Spirea	59.70	
32 93 33 00-0554	EA	4' To 5' Spiraea - Garland Spirea	91.09	
32 93 33 00-0555	EA	5 Gallon Spiraea - Snowmound Spirea	35.69	
32 93 33 00-0556	EA	18" To 24" Spiraea - Snowmound Spirea	29.25	
32 93 33 00-0557	EA	2' To 3' Spiraea - Snowmound Spirea	41.32	
32 93 33 00-0558	EA	3' To 4' Spiraea - Snowmound Spirea	47.90	
32 93 33 00-0559	EA	4' To 5' Spiraea - Snowmound Spirea	82.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 33 00-0560	EA	1	Gallon Spiraea japonica & cvs - Japanese Spirea	12.88	
32 93 33 00-0561	EA	2	Gallon Spiraea japonica & cvs - Japanese Spirea	25.36	
32 93 33 00-0562	EA	3	Gallon Spiraea japonica & cvs - Japanese Spirea	29.35	
32 93 33 00-0563	EA	5	Gallon Spiraea japonica & cvs - Japanese Spirea	31.85	
32 93 33 00-0564	EA	18"	Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	32.47	
32 93 33 00-0565	EA	24"	Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	37.46	
32 93 33 00-0566	EA	30"	Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	42.46	
32 93 33 00-0567	EA	36"	Balled and Burlapped, Spiraea japonica & cvs - Japanese Spirea	49.33	
32 93 33 00-0568	EA	2	Gallon Spiraea nipponica & cvs - Nippon Spirea	19.98	
32 93 33 00-0569	EA	5	Gallon Spiraea nipponica & cvs - Nippon Spirea	29.97	
32 93 33 00-0570	EA	18"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	27.47	
32 93 33 00-0571	EA	24"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	32.47	
32 93 33 00-0572	EA	30"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	37.46	
32 93 33 00-0573	EA	36"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	42.46	
32 93 33 00-0574	EA	48"	Balled and Burlapped, Spiraea nipponica & cvs - Nippon Spirea	54.95	
32 93 33 00-0575	EA	1	Gallon Spiraea x bumalda & cvs - Bumalda Spirea	12.88	
32 93 33 00-0576	EA	2	Gallon Spiraea x bumalda & cvs - Bumalda Spirea	23.10	
32 93 33 00-0577	EA	4	Gallon Spiraea x bumalda & cvs - Bumalda Spirea	29.97	
32 93 33 00-0578	EA	18"	Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	26.23	
32 93 33 00-0579	EA	24"	Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	31.85	
32 93 33 00-0580	EA	30"	Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	37.46	
32 93 33 00-0581	EA	36"	Balled and Burlapped, Spiraea x bumalda & cvs - Bumalda Spirea	42.46	
32 93 33 00-0582	EA	5	Gallon Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97	
32 93 33 00-0583	EA	18"	Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	29.97	
32 93 33 00-0584	EA	24"	Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	34.97	
32 93 33 00-0585	EA	30"	Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	47.46	
32 93 33 00-0586	EA	36"	Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	54.95	
32 93 33 00-0587	EA	42"	Balled and Burlapped, Spiraea x vanhouttei & cvs - Vanhoutte Spirea	64.94	
32 93 33 00-0588	EA	5	Gallon Staphylea trifolia - Bladdernut	42.16	
32 93 33 00-0589	EA	2	Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra	29.97	
32 93 33 00-0590	EA	5	Gallon Stephanandra incisa & cvs - Cutleaf Stephanandra	32.47	
32 93 33 00-0591	EA	24"	Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra	37.46	
32 93 33 00-0592	EA	30"	Balled and Burlapped, Stephanandra incisa & cvs - Cutleaf Stephanandra	44.96	
32 93 33 00-0593	EA	2	Gallon Symphoricarpos albus - Common Snowberry	31.22	
32 93 33 00-0594	EA	5	Gallon Symphoricarpos albus - Common Snowberry	33.09	
32 93 33 00-0595	EA	24"	Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	54.95	
32 93 33 00-0596	EA	30"	Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	68.69	
32 93 33 00-0597	EA	36"	Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	79.92	
32 93 33 00-0598	EA	42"	Balled and Burlapped, Syringa meyeri & cvs - Meyer Lilac	92.41	
32 93 33 00-0599	EA	18"	Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	54.95	
32 93 33 00-0600	EA	24"	Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	59.94	
32 93 33 00-0601	EA	30"	Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	68.69	
32 93 33 00-0602	EA	36"	Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	79.92	
32 93 33 00-0603	EA	42"	Balled and Burlapped, Syringa patula 'Miss Kim' - Miss Kim Lilac	92.41	
32 93 33 00-0604	EA	60"	Balled and Burlapped, Syringa villosa & cvs - Late Lilac	43.71	
32 93 33 00-0605	EA	72"	Balled and Burlapped, Syringa villosa & cvs - Late Lilac	47.46	
32 93 33 00-0606	EA	36"	Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	37.46	
32 93 33 00-0607	EA	42"	Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	42.46	
32 93 33 00-0608	EA	48"	Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	47.46	
32 93 33 00-0609	EA	60"	Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	54.95	
32 93 33 00-0610	EA	72"	Balled and Burlapped, Syringa vulgaris & cvs - Common Lilac	67.44	
32 93 33 00-0611	EA	5	Gallon Syringa x chinensis & cvs - Chinese Lilac	31.22	
32 93 33 00-0612	EA	36"	Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	36.22	
32 93 33 00-0613	EA	48"	Balled and Burlapped, Syringa x hyacinthiflora & cvs - Hybrid Lilac	47.46	
32 93 33 00-0614	EA	48"	Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	198.56	
32 93 33 00-0615	EA	54"	Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	222.29	
32 93 33 00-0616	EA	60"	Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	244.77	
32 93 33 00-0617	EA	72"	Balled and Burlapped, Taxus cuspidata capitata - Capitata Japanese Yew	294.72	
32 93 33 00-0618	EA	18"	Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	52.45	
32 93 33 00-0619	EA	24"	Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	68.69	
32 93 33 00-0620	EA	30"	Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	79.92	
32 93 33 00-0621	EA	36"	Balled and Burlapped, Taxus cuspidata cvs - Dwarf & Spreading Japanese Yew	87.42	
32 93 33 00-0622	EA	15"	Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	52.45	
32 93 33 00-0623	EA	18"	Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	68.69	
32 93 33 00-0624	EA	24"	Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	81.17	
32 93 33 00-0625	EA	30"	Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	96.16	
32 93 33 00-0626	EA	36"	Balled and Burlapped, Taxus x media & cvs - Anglojap Yew	144.86	
32 93 33 00-0627	EA	36"	Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	79.92	
32 93 33 00-0628	EA	48"	Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	107.40	
32 93 33 00-0629	EA	60"	Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	162.35	
32 93 33 00-0630	EA	72"	Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	237.28	
32 93 33 00-0631	EA	84"	Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	272.24	
32 93 33 00-0632	EA	96"	Balled and Burlapped, Thuja occidentalis & cvs - Upright Arborvitae	315.95	
32 93 33 00-0633	EA	15"	Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	34.97	
32 93 33 00-0634	EA	18"	Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	48.70	
32 93 33 00-0635	EA	24"	Balled and Burlapped, Thuja occidentalis cvs - Dwarf Arborvitae	68.69	
32 93 33 00-0636	EA	3' To 4'	Viburnum dilatatum - Linden Viburnum	59.70	
32 93 33 00-0637	EA	4' To 5'	Viburnum dilatatum - Linden Viburnum	91.10	
32 93 33 00-0638	EA	5' To 6'	Viburnum dilatatum - Linden Viburnum	119.54	
32 93 33 00-0639	EA	1	Gallon Viburnum japonicum - Japanese Viburnum	7.24	
32 93 33 00-0640	EA	3	Gallon Viburnum japonicum - Japanese Viburnum	19.86	
32 93 33 00-0641	EA	5	Gallon Viburnum plicatum - Japanese Snowball	35.69	
32 93 33 00-0642	EA	5' To 6'	Viburnum plicatum - Japanese Snowball	133.76	
32 93 33 00-0643	EA	2' To 3'	Viburnum rhytidophyllum - Leatherleaf Viburnum	62.65	
32 93 33 00-0644	EA	3' To 4'	Viburnum rhytidophyllum - Leatherleaf Viburnum	73.92	

## 32 Exterior Improvements

## 32 90 Planting

## 32 93 Plants

 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 33 00-0645	EA	4' To 5' Viburnum rhytidophyllum - Leatherleaf Viburnum.....	103.97	
32 93 33 00-0646	EA	30" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum.....	68.69	
32 93 33 00-0647	EA	36" Balled and Burlapped, Viburnum burkwoodii & cvs - Burkwood Viburnum.....	82.42	
32 93 33 00-0648	EA	24" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum.....	62.44	
32 93 33 00-0649	EA	30" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum.....	74.93	
32 93 33 00-0650	EA	36" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum.....	87.42	
32 93 33 00-0651	EA	42" Balled and Burlapped, Viburnum carlesii & cvs - Korean Spice Viburnum.....	99.91	
32 93 33 00-0652	EA	36" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	34.97	
32 93 33 00-0653	EA	42" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	37.46	
32 93 33 00-0654	EA	48" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	43.71	
32 93 33 00-0655	EA	60" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	49.95	
32 93 33 00-0656	EA	72" Balled and Burlapped, Viburnum dentatum & cvs - Arrowwood Viburnum.....	54.95	
32 93 33 00-0657	EA	30" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	33.72	
32 93 33 00-0658	EA	36" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	37.46	
32 93 33 00-0659	EA	42" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	47.46	
32 93 33 00-0660	EA	48" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	54.95	
32 93 33 00-0661	EA	60" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	74.93	
32 93 33 00-0662	EA	72" Balled and Burlapped, Viburnum lantana & cvs - Wayfaringtree Viburnum.....	89.92	
32 93 33 00-0663	EA	36" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	37.46	
32 93 33 00-0664	EA	48" Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	49.95	
32 93 33 00-0665	EA	5' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	62.44	
32 93 33 00-0666	EA	6' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	87.42	
32 93 33 00-0667	EA	7' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	124.88	
32 93 33 00-0668	EA	8' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	174.84	
32 93 33 00-0669	EA	9' Balled and Burlapped, Viburnum lentago & cvs - Nannyberry Viburnum.....	224.79	
32 93 33 00-0670	EA	30" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	44.96	
32 93 33 00-0671	EA	36" Balled and Burlapped, Viburnum plicatum tomentosum & cvs - Doublefile Viburnum.....	49.95	
32 93 33 00-0672	EA	36" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	89.92	
32 93 33 00-0673	EA	48" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	137.37	
32 93 33 00-0674	EA	60" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	174.84	
32 93 33 00-0675	EA	72" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	212.30	
32 93 33 00-0676	EA	84" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	262.25	
32 93 33 00-0677	EA	96" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	312.21	
32 93 33 00-0678	EA	108" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	374.65	
32 93 33 00-0679	EA	120" Balled and Burlapped, Viburnum prunifolium & cvs - Blackhaw Viburnum.....	437.09	
32 93 33 00-0680	EA	30" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	38.09	
32 93 33 00-0681	EA	36" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	41.84	
32 93 33 00-0682	EA	48" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	47.46	
32 93 33 00-0683	EA	60" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	54.95	
32 93 33 00-0684	EA	72" Balled and Burlapped, Viburnum sargentii & cvs - Sargent Viburnum.....	63.07	
32 93 33 00-0685	EA	18" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	36.22	
32 93 33 00-0686	EA	24" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	43.71	
32 93 33 00-0687	EA	30" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	52.45	
32 93 33 00-0688	EA	36" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	59.94	
32 93 33 00-0689	EA	42" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	72.43	
32 93 33 00-0690	EA	48" Balled and Burlapped, Viburnum trilobum & cvs - American Cranberry Viburnum.....	79.92	
32 93 33 00-0691	EA	30" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	62.44	
32 93 33 00-0692	EA	36" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	74.93	
32 93 33 00-0693	EA	42" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	87.42	
32 93 33 00-0694	EA	48" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	99.91	
32 93 33 00-0695	EA	60" Balled and Burlapped, Viburnum x carlcephalum & cvs - Fragrant Viburnum.....	112.39	
32 93 33 00-0696	EA	30" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	79.92	
32 93 33 00-0697	EA	36" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	89.92	
32 93 33 00-0698	EA	42" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	102.40	
32 93 33 00-0699	EA	48" Balled and Burlapped, Viburnum x juddii & cvs - Judd Viburnum.....	117.39	
32 93 33 00-0700	EA	2' To 3' Viburnum opulus "Roseum" - Fragrant Snowball.....	73.92	
32 93 33 00-0701	EA	3' To 4' Viburnum opulus "Roseum" - Fragrant Snowball.....	91.09	
32 93 33 00-0702	EA	4' To 5' Viburnum opulus "Roseum" - Fragrant Snowball.....	133.76	
32 93 33 00-0703	EA	5 Gallon Weigela florida & cvs - Old Fashioned Weigela.....	41.21	
32 93 33 00-0704	EA	24" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	37.46	
32 93 33 00-0705	EA	30" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	42.46	
32 93 33 00-0706	EA	36" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	47.46	
32 93 33 00-0707	EA	42" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	54.95	
32 93 33 00-0708	EA	48" Balled and Burlapped, Weigela florida & cvs - Old Fashioned Weigela.....	62.44	
32 93 33 00-0709	EA	1 Gallon Xylosma congestum - Shiny Xylosma.....	8.59	
32 93 33 00-0710	EA	5 Gallon Xylosma congestum - Shiny Xylosma.....	24.28	
32 93 33 00-0711	EA	15 Gallon Xylosma congestum - Shiny Xylosma.....	106.79	
32 93 33 00-0712	EA	1 Gallon Yucca aloifolia - Spanish Bayonet.....	7.24	
32 93 33 00-0713	EA	3 Gallon Yucca aloifolia - Spanish Bayonet.....	19.18	
32 93 33 00-0714	EA	1 Gallon Yucca filamentosa - Adams Needle.....	10.06	
32 93 33 00-0715	EA	3 Gallon Yucca filamentosa - Adams Needle.....	19.59	
32 93 33 00-0716	EA	5 Gallon Yucca filamentosa - Adams Needle.....	30.99	
32 93 33 00-0717	EA	5 Gallon Border Forsythia - Goldenbells.....	34.48	
32 93 33 00-0718	EA	2' To 3' Border Forsythia - Goldenbells.....	28.44	
32 93 33 00-0719	EA	3' To 4' Border Forsythia - Goldenbells.....	35.95	
32 93 33 00-0720	EA	4' To 5' Border Forsythia - Goldenbells.....	44.81	
32 93 33 00-0721	EA	5' To 6' Border Forsythia - Goldenbells.....	53.80	
32 93 33 00-0722	EA	6' To 8' Border Forsythia - Goldenbells.....	73.92	
32 93 33 00-0723	EA	3' Juniperus chinensis - Columnar Chinese Juniper.....	73.24	
32 93 33 00-0724	EA	4' Juniperus chinensis - Columnar Chinese Juniper.....	100.53	
32 93 33 00-0725	EA	5' Juniperus chinensis - Columnar Chinese Juniper.....	157.98	
32 93 33 00-0726	EA	6' Juniperus chinensis - Columnar Chinese Juniper.....	183.83	
32 93 33 00-0727	EA	7' Juniperus chinensis - Columnar Chinese Juniper.....	241.27	
32 93 33 00-0728	EA	2 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	14.36	
32 93 33 00-0729	EA	3 Gallon Chrysobalanus icaco - Cocoplum Red Tip.....	20.11	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 33 00-0730	EA		5 Gallon Chrysobalanus icaco - Cocoplum Red Tip .....	48.69	
32 93 33 00-0731	EA		2 Gallon Chrysobalanus icaco - Cocoplum Green Tip .....	14.36	
32 93 33 00-0732	EA		3 Gallon Chrysobalanus icaco - Cocoplum Green Tip .....	20.11	

**32 93 43 Trees (32 93)**

See CSI section 32 93 83 00-0001 for installation and planting of trees.

**32 93 43 00-0001 Deciduous Ornamental Trees (32 93 43)**

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0002	EA		6' Clump Form Acer ginnala & cvs - Amur Maple .....	343.78	
32 93 43 00-0003	EA		7' Clump Form Acer ginnala & cvs - Amur Maple .....	420.17	
32 93 43 00-0004	EA		8' Clump Form Acer ginnala & cvs - Amur Maple .....	477.47	
32 93 43 00-0005	EA		10' Clump Form Acer ginnala & cvs - Amur Maple .....	553.86	
32 93 43 00-0006	EA		12' Clump Form Acer ginnala & cvs - Amur Maple .....	630.26	
32 93 43 00-0007	EA		14' Clump Form Acer ginnala & cvs - Amur Maple .....	744.85	
32 93 43 00-0008	EA		1-1/2" To 2" Caliper Acer griseum - Paperbark Maple .....	272.76	
32 93 43 00-0009	EA		2" To 2-1/2" Caliper Acer griseum - Paperbark Maple .....	1,222.32	
32 93 43 00-0010	EA		2-1/2" To 3" Caliper Acer griseum - Paperbark Maple .....	1,527.90	
32 93 43 00-0011	EA		5' Clump Form Acer griseum - Paperbark Maple .....	305.58	
32 93 43 00-0012	EA		1-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	763.95	
32 93 43 00-0013	EA		2" Caliper Aesculus glabra - Ohio Buckeye .....	993.13	
32 93 43 00-0014	EA		2-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	1,145.92	
32 93 43 00-0015	EA		3" Caliper Aesculus glabra - Ohio Buckeye .....	1,298.71	
32 93 43 00-0016	EA		3-1/2" Caliper Aesculus glabra - Ohio Buckeye .....	1,527.90	
32 93 43 00-0017	EA		36" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	99.91	
32 93 43 00-0018	EA		48" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	124.88	
32 93 43 00-0019	EA		60" Balled and Burlapped, Amelanchier alnifolia & cvs - Saskatoon Serviceberry .....	154.85	
32 93 43 00-0020	EA		60" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	124.88	
32 93 43 00-0021	EA		72" Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	149.86	
32 93 43 00-0022	EA		7' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	174.84	
32 93 43 00-0023	EA		8' Balled and Burlapped, Amelanchier arborea & cvs - Downy Serviceberry .....	199.81	
32 93 43 00-0024	EA		5' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	224.79	
32 93 43 00-0025	EA		6' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	249.77	
32 93 43 00-0026	EA		7' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	287.23	
32 93 43 00-0027	EA		8' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	324.69	
32 93 43 00-0028	EA		9' Balled and Burlapped, Amelanchier canadensis & cvs - Shadblow Serviceberry .....	374.65	
32 93 43 00-0029	EA		1-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	381.97	
32 93 43 00-0030	EA		2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	534.76	
32 93 43 00-0031	EA		2-1/2" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	572.96	
32 93 43 00-0032	EA		3" Caliper Amelanchier x grandiflora & cvs - Apple Serviceberry .....	668.45	
32 93 43 00-0033	EA		6' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	477.47	
32 93 43 00-0034	EA		7' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	572.96	
32 93 43 00-0035	EA		8' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	668.45	
32 93 43 00-0036	EA		10' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	763.95	
32 93 43 00-0037	EA		12' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	859.44	
32 93 43 00-0038	EA		14' Clump Form Amelanchier x grandiflora & cvs - Apple Serviceberry .....	954.93	
32 93 43 00-0039	EA		7' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	287.23	
32 93 43 00-0040	EA		8' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	337.18	
32 93 43 00-0041	EA		9' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	387.14	
32 93 43 00-0042	EA		10' Balled and Burlapped, Amelanchier laevis & cvs - Allegheny Serviceberry .....	424.60	
32 93 43 00-0043	EA		30" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry .....	99.91	
32 93 43 00-0044	EA		48" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry .....	212.30	
32 93 43 00-0045	EA		60" Balled and Burlapped, Amelanchier stolonifera & cvs - Running Serviceberry .....	274.74	
32 93 43 00-0046	EA		2' To 4' Amelemchier - Juneberry .....	30.41	
32 93 43 00-0047	EA		4' To 5' Amelemchier - Juneberry .....	31.90	
32 93 43 00-0048	EA		5' To 6' Amelemchier - Juneberry .....	37.98	
32 93 43 00-0049	EA		6' To 8' Amelemchier - Juneberry .....	45.32	
32 93 43 00-0050	EA		3' Clump Form Asimina triloba - Paw-Paw .....	267.38	
32 93 43 00-0051	EA		4' Clump Form Asimina triloba - Paw-Paw .....	305.58	
32 93 43 00-0052	EA		5' Clump Form Asimina triloba - Paw-Paw .....	420.17	
32 93 43 00-0053	EA		1-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood .....	572.96	
32 93 43 00-0054	EA		2" Caliper Carpinus caroliniana - American Hornbeam Ironwood .....	668.45	
32 93 43 00-0055	EA		2-1/2" Caliper Carpinus caroliniana - American Hornbeam Ironwood .....	859.44	
32 93 43 00-0056	EA		5' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	343.78	
32 93 43 00-0057	EA		6' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	420.17	
32 93 43 00-0058	EA		7' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	572.96	
32 93 43 00-0059	EA		8' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	668.45	
32 93 43 00-0060	EA		10' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	802.15	
32 93 43 00-0061	EA		12' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	974.03	
32 93 43 00-0062	EA		14' Clump Form Carpinus caroliniana - American Hornbeam Ironwood .....	1,107.72	
32 93 43 00-0063	EA		6' Cercis - American Redbud .....	213.92	
32 93 43 00-0064	EA		8' Cercis - American Redbud .....	294.31	
32 93 43 00-0065	EA		2-1/2" Caliper Cercis - American Redbud .....	606.19	
32 93 43 00-0066	EA		3" Caliper Cercis - American Redbud .....	737.97	
32 93 43 00-0067	EA		15 Gallon Cercis canadensis & cvs - Eastern Redbud .....	186.72	
32 93 43 00-0068	EA		20 Gallon Cercis canadensis & cvs - Eastern Redbud .....	233.40	
32 93 43 00-0069	EA		6' Clump Form Cercis canadensis & cvs - Eastern Redbud .....	458.37	
32 93 43 00-0070	EA		7' Clump Form Cercis canadensis & cvs - Eastern Redbud .....	630.26	
32 93 43 00-0071	EA		8' Clump Form Cercis canadensis & cvs - Eastern Redbud .....	802.15	
32 93 43 00-0072	EA		1-1/2" Caliper Cercis canadensis & cvs - Eastern Redbud .....	439.27	
32 93 43 00-0073	EA		2" Caliper Cercis canadensis & cvs - Eastern Redbud .....	515.66	
32 93 43 00-0074	EA		5' To 6' Chaenomeles - Orange Quince .....	120.65	
32 93 43 00-0075	EA		6' To 8' Chaenomeles - Orange Quince .....	150.81	
32 93 43 00-0076	EA		5' Clump Form Chionanthus virginicus - White Fringtree .....	381.97	



**32 Exterior Improvements****32 90 Planting****32 93 Plants**
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 UNIT COST UNIT COST

32 93 43 00-0077	EA	6' Clump Form Chionanthus virginicus - White Fringetree	477.47	
32 93 43 00-0078	EA	7' Clump Form Chionanthus virginicus - White Fringetree	611.16	
32 93 43 00-0079	EA	4' To 5' Cornus - Pink Or Red Flowering Dogwood	137.88	
32 93 43 00-0080	EA	5' To 6' Cornus - Pink Or Red Flowering Dogwood	172.35	
32 93 43 00-0081	EA	6' To 7' Cornus - Pink Or Red Flowering Dogwood	241.30	
32 93 43 00-0082	EA	7' To 8' Cornus - Pink Or Red Flowering Dogwood	310.24	
32 93 43 00-0083	EA	4' To 5' Cornus - White Flowering Dogwood	91.92	
32 93 43 00-0084	EA	5' To 6' Cornus - White Flowering Dogwood	137.88	
32 93 43 00-0085	EA	6' To 7' Cornus - White Flowering Dogwood	193.04	
32 93 43 00-0086	EA	3' To 4' Cornus kousa - Japanese Dogwood	91.92	
32 93 43 00-0087	EA	4' To 5' Cornus kousa - Japanese Dogwood	105.71	
32 93 43 00-0088	EA	5' To 6' Cornus kousa - Japanese Dogwood	137.88	
32 93 43 00-0089	EA	6' To 8' Cornus kousa - Japanese Dogwood	202.23	
32 93 43 00-0090	EA	8' To 10' Cornus kousa - Japanese Dogwood	275.77	
32 93 43 00-0091	EA	1-1/2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	439.27	
32 93 43 00-0092	EA	2" Caliper Cornus alternifolia & cvs - Pagoda Dogwood	534.76	
32 93 43 00-0093	EA	4' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	210.09	
32 93 43 00-0094	EA	5' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	267.38	
32 93 43 00-0095	EA	6' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	305.58	
32 93 43 00-0096	EA	7' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	343.78	
32 93 43 00-0097	EA	8' Clump Form Cornus alternifolia & cvs - Pagoda Dogwood	420.17	
32 93 43 00-0098	EA	4' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	210.09	
32 93 43 00-0099	EA	5' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	267.38	
32 93 43 00-0100	EA	6' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	324.68	
32 93 43 00-0101	EA	7' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	381.97	
32 93 43 00-0102	EA	8' Clump Form Cornus mas & cvs - Corneliancherry Dogwood	534.76	
32 93 43 00-0103	EA	1-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	477.47	
32 93 43 00-0104	EA	2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	572.96	
32 93 43 00-0105	EA	2-1/2" Caliper Cornus mas & cvs - Corneliancherry Dogwood	668.45	
32 93 43 00-0106	EA	1-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	381.97	
32 93 43 00-0107	EA	2" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	477.47	
32 93 43 00-0108	EA	2-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	592.06	
32 93 43 00-0109	EA	3" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	668.45	
32 93 43 00-0110	EA	3-1/2" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	763.95	
32 93 43 00-0111	EA	4" Caliper Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	859.44	
32 93 43 00-0112	EA	6' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	381.97	
32 93 43 00-0113	EA	7' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	458.37	
32 93 43 00-0114	EA	8' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	534.76	
32 93 43 00-0115	EA	10' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	668.45	
32 93 43 00-0116	EA	12' Clump Form Crataegus crugalli inermis & cvs - Thornless Cockspur Hawthorn	859.44	
32 93 43 00-0117	EA	1-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	305.58	
32 93 43 00-0118	EA	2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	343.78	
32 93 43 00-0119	EA	2-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	381.97	
32 93 43 00-0120	EA	3" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	439.27	
32 93 43 00-0121	EA	3-1/2" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	572.96	
32 93 43 00-0122	EA	4" Caliper Crataegus phaenopyrum & cvs - Washington Hawthorn	649.36	
32 93 43 00-0123	EA	6' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	267.38	
32 93 43 00-0124	EA	7' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	324.68	
32 93 43 00-0125	EA	8' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	381.97	
32 93 43 00-0126	EA	10' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	477.47	
32 93 43 00-0127	EA	12' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	592.06	
32 93 43 00-0128	EA	14' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	706.65	
32 93 43 00-0129	EA	16' Clump Form Crataegus phaenopyrum & cvs - Washington Hawthorn	821.24	
32 93 43 00-0130	EA	1-1/2" Caliper Crataegus viridis - Winter King Hawthorn	305.58	
32 93 43 00-0131	EA	2" Caliper Crataegus viridis - Winter King Hawthorn	343.78	
32 93 43 00-0132	EA	2-1/2" Caliper Crataegus viridis - Winter King Hawthorn	477.47	
32 93 43 00-0133	EA	3" Caliper Crataegus viridis - Winter King Hawthorn	630.26	
32 93 43 00-0134	EA	6' Clump Form Crataegus viridis - Winter King Hawthorn	286.48	
32 93 43 00-0135	EA	7' Clump Form Crataegus viridis - Winter King Hawthorn	381.97	
32 93 43 00-0136	EA	8' Clump Form Crataegus viridis - Winter King Hawthorn	477.47	
32 93 43 00-0137	EA	10' Clump Form Crataegus viridis - Winter King Hawthorn	572.96	
32 93 43 00-0138	EA	4' Clump Form Hamamelis virginiana - Common Witchhazel	190.99	
32 93 43 00-0139	EA	5' Clump Form Hamamelis virginiana - Common Witchhazel	248.28	
32 93 43 00-0140	EA	6' Clump Form Hamamelis virginiana - Common Witchhazel	305.58	
32 93 43 00-0141	EA	7' Clump Form Hamamelis virginiana - Common Witchhazel	420.17	
32 93 43 00-0142	EA	8' Clump Form Hamamelis virginiana - Common Witchhazel	572.96	
32 93 43 00-0143	EA	1 Gallon Ilex Cassine - Casine Holly (Dahoon)	10.98	
32 93 43 00-0144	EA	5 Gallon Ilex Cassine - Casine Holly (Dahoon)	35.14	
32 93 43 00-0145	EA	4' To 5' Ilex Cassine - Casine Holly (Dahoon)	60.40	
32 93 43 00-0146	EA	6' To 7' Ilex Cassine - Casine Holly (Dahoon)	115.31	
32 93 43 00-0147	EA	8' To 9' Ilex Cassine - Casine Holly (Dahoon)	153.74	
32 93 43 00-0148	EA	10' To 12' Ilex Cassine - Casine Holly (Dahoon)	197.67	
32 93 43 00-0149	EA	2' To 3' Magnolia Virginiana - Sweetbay Magnolia	72.39	
32 93 43 00-0150	EA	3' To 4' Magnolia Virginiana - Sweetbay Magnolia	108.58	
32 93 43 00-0151	EA	4' To 5' Magnolia Virginiana - Sweetbay Magnolia	135.73	
32 93 43 00-0152	EA	5' To 6' Magnolia Virginiana - Sweetbay Magnolia	169.05	
32 93 43 00-0153	EA	4' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	286.48	
32 93 43 00-0154	EA	5' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	381.97	
32 93 43 00-0155	EA	6' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	496.57	
32 93 43 00-0156	EA	7' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	553.86	
32 93 43 00-0157	EA	9' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	744.85	
32 93 43 00-0158	EA	8' Clump Form Magnolia acuminata, cvs & hybrids - Cucumbertree Magnolia	668.45	
32 93 43 00-0159	EA	4' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	286.48	
32 93 43 00-0160	EA	5' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	381.97	
32 93 43 00-0161	EA	6' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	496.57	



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32 93 43 00-0162	EA	7' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	553.86	
32 93 43 00-0163	EA	8' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	668.45	
32 93 43 00-0164	EA	9' Clump Form Magnolia kobus, cvs & hybrids - Kobus Magnolia	744.85	
32 93 43 00-0165	EA	4' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	286.48	
32 93 43 00-0166	EA	5' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	381.97	
32 93 43 00-0167	EA	6' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	496.57	
32 93 43 00-0168	EA	7' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	553.86	
32 93 43 00-0169	EA	8' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	668.45	
32 93 43 00-0170	EA	9' Clump Form Magnolia loebneri, cvs & hybrids - Loebner Magnolia	744.85	
32 93 43 00-0171	EA	4' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	286.48	
32 93 43 00-0172	EA	5' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	381.97	
32 93 43 00-0173	EA	6' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	496.57	
32 93 43 00-0174	EA	7' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	553.86	
32 93 43 00-0175	EA	8' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	668.45	
32 93 43 00-0176	EA	9' Clump Form Magnolia soulangiana & cvs - Saucer Magnolia	744.85	
32 93 43 00-0177	EA	4' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	286.48	
32 93 43 00-0178	EA	5' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	381.97	
32 93 43 00-0179	EA	6' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	496.57	
32 93 43 00-0180	EA	7' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	553.86	
32 93 43 00-0181	EA	8' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	668.45	
32 93 43 00-0182	EA	9' Clump Form Magnolia stellata, cvs & hybrids - Star Magnolia	744.85	
32 93 43 00-0183	EA	5 Gallon Malus - Crabapple	77.56	
32 93 43 00-0184	EA	15 Gallon Malus - Crabapple	197.78	
32 93 43 00-0185	EA	20 Gallon Malus - Crabapple	232.68	
32 93 43 00-0186	EA	1-1/2" Caliper Malus cvs - Crabapple Varieties	229.18	
32 93 43 00-0187	EA	2" Caliper Malus cvs - Crabapple Varieties	305.58	
32 93 43 00-0188	EA	2-1/2" Caliper Malus cvs - Crabapple Varieties	381.97	
32 93 43 00-0189	EA	3" Caliper Malus cvs - Crabapple Varieties	458.37	
32 93 43 00-0190	EA	3-1/2" Caliper Malus cvs - Crabapple Varieties	534.76	
32 93 43 00-0191	EA	4" Caliper Malus cvs - Crabapple Varieties	611.16	
32 93 43 00-0192	EA	6' Clump Form Malus cvs - Crabapple Varieties	343.78	
32 93 43 00-0193	EA	7' Clump Form Malus cvs - Crabapple Varieties	381.97	
32 93 43 00-0194	EA	8' Clump Form Malus cvs - Crabapple Varieties	477.47	
32 93 43 00-0195	EA	10' Clump Form Malus cvs - Crabapple Varieties	534.76	
32 93 43 00-0196	EA	12' Clump Form Malus cvs - Crabapple Varieties	687.55	
32 93 43 00-0197	EA	1-1/2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	381.97	
32 93 43 00-0198	EA	2" Caliper Malus dwarf cvs - Dwarf Crabapple Cultivars	477.47	
32 93 43 00-0199	EA	4' Clump Form Malus dwarf cvs - Dwarf Crabapple	286.48	
32 93 43 00-0200	EA	5' Clump Form Malus dwarf cvs - Dwarf Crabapple	362.88	
32 93 43 00-0201	EA	6' Clump Form Malus dwarf cvs - Dwarf Crabapple	439.27	
32 93 43 00-0202	EA	7' Clump Form Malus dwarf cvs - Dwarf Crabapple	496.57	
32 93 43 00-0203	EA	8' Clump Form Malus dwarf cvs - Dwarf Crabapple	553.86	
32 93 43 00-0204	EA	9' Clump Form Malus dwarf cvs - Dwarf Crabapple	611.16	
32 93 43 00-0205	EA	4' To 5' Oxydendrum arboreum - Sourwood	175.23	
32 93 43 00-0206	EA	5' To 6' Oxydendrum arboreum - Sourwood	219.04	
32 93 43 00-0207	EA	6' To 7' Oxydendrum arboreum - Sourwood	262.84	
32 93 43 00-0208	EA	7' To 8' Oxydendrum arboreum - Sourwood	306.65	
32 93 43 00-0209	EA	20 Gallon Prunus subhirtella - Flowering Cherry	376.75	
32 93 43 00-0210	EA	1-1/2" To 2" Caliper Prunus subhirtella - Flowering Cherry	389.45	
32 93 43 00-0211	EA	2" To 2-1/2" Caliper Prunus subhirtella - Flowering Cherry	466.76	
32 93 43 00-0212	EA	3-1/2" To 4" Caliper Prunus subhirtella - Flowering Cherry	1,015.82	
32 93 43 00-0213	EA	3" To 3-1/2" Caliper Prunus subhirtella - Flowering Cherry	782.92	
32 93 43 00-0214	EA	4" To 5" Caliper Prunus subhirtella - Flowering Cherry	1,523.74	
32 93 43 00-0215	EA	4' To 6' Prunus - Pigeon Plum	154.04	
32 93 43 00-0216	EA	8' To 10' Prunus - Pigeon Plum	523.75	
32 93 43 00-0217	EA	10' To 12' Prunus - Pigeon Plum	665.47	
32 93 43 00-0218	EA	14' To 16' Prunus - Pigeon Plum	1,047.51	
32 93 43 00-0219	EA	5 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	97.31	
32 93 43 00-0220	EA	15 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	266.55	
32 93 43 00-0221	EA	20 Gallon Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	347.14	
32 93 43 00-0222	EA	5' To 6' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	110.00	
32 93 43 00-0223	EA	6' To 8' Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	211.55	
32 93 43 00-0224	EA	1-1/2" To 2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	389.45	
32 93 43 00-0225	EA	2" To 2-1/2" Caliper Prunus cerasifera x 'Thundercloud' - Thundercloud Purple Leaf Plum	465.60	
32 93 43 00-0226	EA	1-1/2" To 1-3/4" Caliper Prunus subhirtella - Weeping Cherry	304.83	
32 93 43 00-0227	EA	1-1/4" To 1-1/2" Caliper Prunus subhirtella - Weeping Cherry	253.86	
32 93 43 00-0228	EA	1-3/4" To 2" Caliper Prunus subhirtella - Weeping Cherry	372.32	
32 93 43 00-0229	EA	2" To 2-1/2" Caliper Prunus subhirtella - Weeping Cherry	444.45	
32 93 43 00-0230	EA	2-1/2" To 3" Caliper Prunus subhirtella - Weeping Cherry	571.38	
32 93 43 00-0231	EA	6' To 8' Prunus yedoensis - Yoshino Cherry	220.21	
32 93 43 00-0232	EA	1-1/2" To 2" Caliper Prunus yedoensis - Yoshino Cherry	338.68	
32 93 43 00-0233	EA	2" To 2-1/2" Caliper Prunus yedoensis - Yoshino Cherry	414.63	
32 93 43 00-0234	EA	2-1/2" To 3" Caliper Prunus yedoensis - Yoshino Cherry	529.07	
32 93 43 00-0235	EA	15 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	294.15	
32 93 43 00-0236	EA	20 Gallon Pyrus Calleryana x 'Aristocrat' - Flowering Pear	367.69	
32 93 43 00-0237	EA	1-1/2" To 2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	382.39	
32 93 43 00-0238	EA	2" To 2-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	455.93	
32 93 43 00-0239	EA	2-1/2" To 3" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	617.71	
32 93 43 00-0240	EA	3" To 3-1/2" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	808.91	
32 93 43 00-0241	EA	3-1/2" To 4" Caliper Pyrus Calleryana x 'Aristocrat' - Flowering Pear	1,029.52	
32 93 43 00-0242	EA	15 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	294.15	
32 93 43 00-0243	EA	20 Gallon Pyrus Calleryana x "Bradford" - Flowering Pear	367.69	
32 93 43 00-0244	EA	1-1/2" To 2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	250.03	
32 93 43 00-0245	EA	2" To 2-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	382.39	
32 93 43 00-0246	EA	2-1/2" To 3" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	455.53	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**
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 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 43 00-0247	EA	3" To 3-1/2" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	617.71
32 93 43 00-0248	EA	3-1/2" To 4" Caliper Pyrus Calleryana x "Bradford" - Flowering Pear	808.91
32 93 43 00-0249	EA	1-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	535.81
32 93 43 00-0250	EA	2" Caliper Pyrus calleryana & cvs - Callery Pear	669.76
32 93 43 00-0251	EA	2-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	830.50
32 93 43 00-0252	EA	3" Caliper Pyrus calleryana & cvs - Callery Pear	937.67
32 93 43 00-0253	EA	3-1/2" Caliper Pyrus calleryana & cvs - Callery Pear	1,044.83
32 93 43 00-0254	EA	4" Caliper Pyrus calleryana & cvs - Callery Pear	1,339.52
32 93 43 00-0255	EA	1-3/4" Caliper Sophora japonica - Japanese Pagoda	510.68
32 93 43 00-0256	EA	2" Caliper Sophora japonica - Japanese Pagoda	574.51
32 93 43 00-0257	EA	2-1/2" Caliper Sophora japonica - Japanese Pagoda	670.26
32 93 43 00-0258	EA	3" Caliper Sophora japonica - Japanese Pagoda	980.32
32 93 43 00-0259	EA	3-1/2" Caliper Sophora japonica - Japanese Pagoda	1,481.88
32 93 43 00-0260	EA	1-1/2" Caliper Sorbus alnifolia - Korean Mountainash	381.97
32 93 43 00-0261	EA	2" Caliper Sorbus alnifolia - Korean Mountainash	477.47
32 93 43 00-0262	EA	2-1/2" Caliper Sorbus alnifolia - Korean Mountainash	592.06
32 93 43 00-0263	EA	3" Caliper Sorbus alnifolia - Korean Mountainash	725.75
32 93 43 00-0264	EA	3-1/2" Caliper Sorbus alnifolia - Korean Mountainash	878.54
32 93 43 00-0265	EA	4" Caliper Sorbus alnifolia - Korean Mountainash	1,050.43
32 93 43 00-0266	EA	1-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	496.57
32 93 43 00-0267	EA	2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	534.76
32 93 43 00-0268	EA	2-1/2" Caliper Syringa reticulata & cvs - Japanese Tree Lilac	649.36
32 93 43 00-0269	EA	4' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	305.58
32 93 43 00-0270	EA	5' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	362.88
32 93 43 00-0271	EA	6' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	420.17
32 93 43 00-0272	EA	7' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	477.47
32 93 43 00-0273	EA	8' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	553.86
32 93 43 00-0274	EA	10' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	706.65
32 93 43 00-0275	EA	12' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	802.15
32 93 43 00-0276	EA	14' Clump Form Syringa reticulata & cvs - Japanese Tree Lilac	916.74

**32 93 43 00-0277****Deciduous Shade Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0278	EA	3-1/2" To 4" Caliper Acer palmatum - Bloodgood Japanese Maple	233.37
32 93 43 00-0279	EA	4" To 4-1/2" Caliper Acer palmatum - Bloodgood Japanese Maple	286.07
32 93 43 00-0280	EA	4-1/2" To 5" Caliper Acer palmatum - Bloodgood Japanese Maple	372.65
32 93 43 00-0281	EA	5" To 6" Caliper Acer palmatum - Bloodgood Japanese Maple	483.06
32 93 43 00-0282	EA	2' To 2-1/2' Acer palmatum - Japanese Maple	24.62
32 93 43 00-0283	EA	4' To 5' Acer palmatum - Japanese Maple	51.69
32 93 43 00-0284	EA	5' To 6' Acer palmatum - Japanese Maple	67.69
32 93 43 00-0285	EA	6' To 7' Acer palmatum - Japanese Maple	123.07
32 93 43 00-0286	EA	7' To 8' Acer palmatum - Japanese Maple	172.30
32 93 43 00-0287	EA	8' To 10' Acer palmatum - Japanese Maple	221.53
32 93 43 00-0288	EA	10' To 12' Acer palmatum - Japanese Maple	295.38
32 93 43 00-0289	EA	2" Caliper Acer platanoides & cvs - Norway Maple	125.47
32 93 43 00-0290	EA	2" Caliper Acer platanoides & cvs - Norway Maple	152.75
32 93 43 00-0291	EA	3" Caliper Acer platanoides & cvs - Norway Maple	196.39
32 93 43 00-0292	EA	3-1/2" Caliper Acer platanoides & cvs - Norway Maple	229.12
32 93 43 00-0293	EA	4" Caliper Acer platanoides & cvs - Norway Maple	245.48
32 93 43 00-0294	EA	4-1/2" Caliper Acer platanoides & cvs - Norway Maple	267.31
32 93 43 00-0295	EA	5" Caliper Acer platanoides & cvs - Norway Maple	300.04
32 93 43 00-0296	EA	2" Caliper Acer rubrum & cvs - Red Maple	120.01
32 93 43 00-0297	EA	2-1/2" Caliper Acer rubrum & cvs - Red Maple	152.75
32 93 43 00-0298	EA	3" Caliper Acer rubrum & cvs - Red Maple	196.39
32 93 43 00-0299	EA	3-1/2" Caliper Acer rubrum & cvs - Red Maple	240.03
32 93 43 00-0300	EA	4" Caliper Acer rubrum & cvs - Red Maple	272.76
32 93 43 00-0301	EA	4-1/2" Caliper Acer rubrum & cvs - Red Maple	316.40
32 93 43 00-0302	EA	5" Caliper Acer rubrum & cvs - Red Maple	354.59
32 93 43 00-0303	EA	8' Clump Form Acer rubrum & cvs - Red Maple	147.29
32 93 43 00-0304	EA	10' Clump Form Acer rubrum & cvs - Red Maple	196.39
32 93 43 00-0305	EA	12' Clump Form Acer rubrum & cvs - Red Maple	229.12
32 93 43 00-0306	EA	14' Clump Form Acer rubrum & cvs - Red Maple	261.85
32 93 43 00-0307	EA	16' Clump Form Acer rubrum & cvs - Red Maple	294.58
32 93 43 00-0308	EA	18' Clump Form Acer rubrum & cvs - Red Maple	327.31
32 93 43 00-0309	EA	2" Caliper Acer saccharinum & cvs - Silver Maple	98.19
32 93 43 00-0310	EA	2-1/2" Caliper Acer saccharinum & cvs - Silver Maple	130.93
32 93 43 00-0311	EA	3" Caliper Acer saccharinum & cvs - Silver Maple	163.66
32 93 43 00-0312	EA	3-1/2" Caliper Acer saccharinum & cvs - Silver Maple	196.39
32 93 43 00-0313	EA	4" Caliper Acer saccharinum & cvs - Silver Maple	229.12
32 93 43 00-0314	EA	4-1/2" Caliper Acer saccharinum & cvs - Silver Maple	261.85
32 93 43 00-0315	EA	5" Caliper Acer saccharinum & cvs - Silver Maple	294.58
32 93 43 00-0316	EA	2" Caliper Acer saccharum & cvs - Sugar Maple	120.01
32 93 43 00-0317	EA	2-1/2" Caliper Acer saccharum & cvs - Sugar Maple	158.20
32 93 43 00-0318	EA	3" Caliper Acer saccharum & cvs - Sugar Maple	190.93
32 93 43 00-0319	EA	3-1/2" Caliper Acer saccharum & cvs - Sugar Maple	218.21
32 93 43 00-0320	EA	4" Caliper Acer saccharum & cvs - Sugar Maple	256.40
32 93 43 00-0321	EA	4-1/2" Caliper Acer saccharum & cvs - Sugar Maple	294.58
32 93 43 00-0322	EA	5" Caliper Acer saccharum & cvs - Sugar Maple	327.31
32 93 43 00-0323	EA	10' Clump Form Acer saccharum & cvs - Sugar Maple	218.21
32 93 43 00-0324	EA	12' Clump Form Acer saccharum & cvs - Sugar Maple	256.40
32 93 43 00-0325	EA	14' Clump Form Acer saccharum & cvs - Sugar Maple	300.04
32 93 43 00-0326	EA	16' Clump Form Acer saccharum & cvs - Sugar Maple	332.77
32 93 43 00-0327	EA	18' Clump Form Acer saccharum & cvs - Sugar Maple	403.69
32 93 43 00-0328	EA	20' Clump Form Acer saccharum & cvs - Sugar Maple	436.42

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST	UNIT COST
32 93 43 00-0329	EA 2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple		136.38		
32 93 43 00-0330	EA 2-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple		169.11		
32 93 43 00-0331	EA 3" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple		207.30		
32 93 43 00-0332	EA 3-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple		240.03		
32 93 43 00-0333	EA 4" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple		261.85		
32 93 43 00-0334	EA 4-1/2" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple		289.13		
32 93 43 00-0335	EA 5" Caliper Acer x freemanii & cvs - Freemanii Hybrid Maple		321.86		
32 93 43 00-0336	EA 10' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple		196.39		
32 93 43 00-0337	EA 12' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple		259.67		
32 93 43 00-0338	EA 14' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple		302.22		
32 93 43 00-0339	EA 16' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple		332.77		
32 93 43 00-0340	EA 18' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple		403.69		
32 93 43 00-0341	EA 20' Clump Form Acer x freemanii & cvs - Freemanii Hybrid Maple		436.42		
32 93 43 00-0342	EA 2" Caliper Aesculus glabra - Ohio Buckeye		147.29		
32 93 43 00-0343	EA 2-1/2" Caliper Aesculus glabra - Ohio Buckeye		174.57		
32 93 43 00-0344	EA 3" Caliper Aesculus glabra - Ohio Buckeye		207.30		
32 93 43 00-0345	EA 3-1/2" Caliper Aesculus glabra - Ohio Buckeye		229.12		
32 93 43 00-0346	EA 4" Caliper Aesculus glabra - Ohio Buckeye		250.94		
32 93 43 00-0347	EA 4-1/2" Caliper Aesculus glabra - Ohio Buckeye		283.67		
32 93 43 00-0348	EA 5" Caliper Aesculus glabra - Ohio Buckeye		327.31		
32 93 43 00-0349	EA 2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		190.93		
32 93 43 00-0350	EA 2-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		212.75		
32 93 43 00-0351	EA 3" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		240.03		
32 93 43 00-0352	EA 3-1/2" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		272.76		
32 93 43 00-0353	EA 4" Caliper Aesculus hippocastanum & cvs - Common Horsechestnut		327.31		
32 93 43 00-0354	EA 2" Caliper Aesculus x carnea - Red Horsechestnut		190.93		
32 93 43 00-0355	EA 2-1/2" Caliper Aesculus x carnea - Red Horsechestnut		212.75		
32 93 43 00-0356	EA 3" Caliper Aesculus x carnea - Red Horsechestnut		240.03		
32 93 43 00-0357	EA 3-1/2" Caliper Aesculus x carnea - Red Horsechestnut		272.76		
32 93 43 00-0358	EA 4" Caliper Aesculus x carnea - Red Horsechestnut		327.31		
32 93 43 00-0359	EA 2" Caliper Alnus glutinosa - Common Alder, Black Alder		136.38		
32 93 43 00-0360	EA 2-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder		158.20		
32 93 43 00-0361	EA 3" Caliper Alnus glutinosa - Common Alder, Black Alder		180.02		
32 93 43 00-0362	EA 3-1/2" Caliper Alnus glutinosa - Common Alder, Black Alder		207.30		
32 93 43 00-0363	EA 8' Clump Form Alnus glutinosa - Common Alder, Black Alder		141.84		
32 93 43 00-0364	EA 10' Clump Form Alnus glutinosa - Common Alder, Black Alder		174.57		
32 93 43 00-0365	EA 12' Clump Form Alnus glutinosa - Common Alder, Black Alder		196.39		
32 93 43 00-0366	EA 14' Clump Form Alnus glutinosa - Common Alder, Black Alder		218.21		
32 93 43 00-0367	EA 16' Clump Form Alnus glutinosa - Common Alder, Black Alder		245.48		
32 93 43 00-0368	EA 18' Clump Form Alnus glutinosa - Common Alder, Black Alder		272.76		
32 93 43 00-0369	EA 2" Caliper Betula nigra - River Birch		136.38		
32 93 43 00-0370	EA 2-1/2" Caliper Betula nigra - River Birch		154.44		
32 93 43 00-0371	EA 3" Caliper Betula nigra - River Birch		174.57		
32 93 43 00-0372	EA 3-1/2" Caliper Betula nigra - River Birch		218.21		
32 93 43 00-0373	EA 4" Caliper Betula nigra - River Birch		245.48		
32 93 43 00-0374	EA 4-1/2" Caliper Betula nigra - River Birch		272.76		
32 93 43 00-0375	EA 5" Caliper Betula nigra - River Birch		300.04		
32 93 43 00-0376	EA 8' Clump Form Betula nigra - River Birch		125.47		
32 93 43 00-0377	EA 10' Clump Form Betula nigra - River Birch		141.84		
32 93 43 00-0378	EA 12' Clump Form Betula nigra - River Birch		163.66		
32 93 43 00-0379	EA 14' Clump Form Betula nigra - River Birch		190.93		
32 93 43 00-0380	EA 16' Clump Form Betula nigra - River Birch		218.21		
32 93 43 00-0381	EA 12' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		163.66		
32 93 43 00-0382	EA 14' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		196.39		
32 93 43 00-0383	EA 16' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		229.12		
32 93 43 00-0384	EA 18' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		272.76		
32 93 43 00-0385	EA 20' Clump Form Betula platyphylla japonica & cvs - Asian White Birch		283.67		
32 93 43 00-0386	EA 2" Caliper Carpinus betulus & cvs - European Hornbeam		218.21		
32 93 43 00-0387	EA 2-1/2" Caliper Carpinus betulus & cvs - European Hornbeam		245.48		
32 93 43 00-0388	EA 3" Caliper Carpinus betulus & cvs - European Hornbeam		283.67		
32 93 43 00-0389	EA 3-1/2" Caliper Carpinus betulus & cvs - European Hornbeam		343.68		
32 93 43 00-0390	EA 6' Clump Form Carpinus betulus & cvs - European Hornbeam		98.19		
32 93 43 00-0391	EA 7' Clump Form Carpinus betulus & cvs - European Hornbeam		136.38		
32 93 43 00-0392	EA 8' Clump Form Carpinus betulus & cvs - European Hornbeam		169.11		
32 93 43 00-0393	EA 2" Caliper Catalpa speciosa - Northern Catalpa		120.01		
32 93 43 00-0394	EA 2-1/2" Caliper Catalpa speciosa - Northern Catalpa		163.66		
32 93 43 00-0395	EA 3" Caliper Catalpa speciosa - Northern Catalpa		212.75		
32 93 43 00-0396	EA 3-1/2" Caliper Catalpa speciosa - Northern Catalpa		256.40		
32 93 43 00-0397	EA 4" Caliper Catalpa speciosa - Northern Catalpa		294.58		
32 93 43 00-0398	EA 2" Caliper Celtis occidentalis & cvs - Common Hackberry		152.75		
32 93 43 00-0399	EA 2-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry		174.57		
32 93 43 00-0400	EA 3" Caliper Celtis occidentalis & cvs - Common Hackberry		212.75		
32 93 43 00-0401	EA 3-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry		250.94		
32 93 43 00-0402	EA 4" Caliper Celtis occidentalis & cvs - Common Hackberry		289.13		
32 93 43 00-0403	EA 4-1/2" Caliper Celtis occidentalis & cvs - Common Hackberry		327.31		
32 93 43 00-0404	EA 3" Caliper Cercidiphyllum japonicum - Katsuratree		190.93		
32 93 43 00-0405	EA 3-1/2" Caliper Cercidiphyllum japonicum - Katsuratree		218.21		
32 93 43 00-0406	EA 4" Caliper Cercidiphyllum japonicum - Katsuratree		256.40		
32 93 43 00-0407	EA 5" Caliper Cercidiphyllum japonicum - Katsuratree		305.49		
32 93 43 00-0408	EA 6' Clump Form Cercidiphyllum japonicum - Katsuratree		152.75		
32 93 43 00-0409	EA 7' Clump Form Cercidiphyllum japonicum - Katsuratree		180.02		
32 93 43 00-0410	EA 8' Clump Form Cercidiphyllum japonicum - Katsuratree		218.21		
32 93 43 00-0411	EA 10' Clump Form Cercidiphyllum japonicum - Katsuratree		272.76		
32 93 43 00-0412	EA 12' Clump Form Cercidiphyllum japonicum - Katsuratree		327.31		
32 93 43 00-0413	EA 2" Caliper Cladrastus lutea - American Yellowwood		272.76		

## 32 Exterior Improvements

## 32 90 Planting

## 32 93 Plants

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0414	EA		2-1/2" Caliper Cladrastus lutea - American Yellowwood.....	327.31	
32 93 43 00-0415	EA		3" Caliper Cladrastus lutea - American Yellowwood.....	381.87	
32 93 43 00-0416	EA		3-1/2" Caliper Cladrastus lutea - American Yellowwood.....	436.42	
32 93 43 00-0417	EA		2" Caliper Corylus colurna - Turkish Filbert.....	169.11	
32 93 43 00-0418	EA		2-1/2" Caliper Corylus colurna - Turkish Filbert.....	190.93	
32 93 43 00-0419	EA		3" Caliper Corylus colurna - Turkish Filbert.....	218.21	
32 93 43 00-0420	EA		3-1/2" Caliper Corylus colurna - Turkish Filbert.....	250.94	
32 93 43 00-0421	EA		4" Caliper Corylus colurna - Turkish Filbert.....	300.04	
32 93 43 00-0422	EA		4-1/2" Caliper Corylus colurna - Turkish Filbert.....	349.13	
32 93 43 00-0423	EA		5" Caliper Corylus colurna - Turkish Filbert.....	398.23	
32 93 43 00-0424	EA		8' Clump Form Corylus colurna - Turkish Filbert.....	152.75	
32 93 43 00-0425	EA		10' Clump Form Corylus colurna - Turkish Filbert.....	185.48	
32 93 43 00-0426	EA		12' Clump Form Corylus colurna - Turkish Filbert.....	218.21	
32 93 43 00-0427	EA		14' Clump Form Corylus colurna - Turkish Filbert.....	245.48	
32 93 43 00-0428	EA		16' Clump Form Corylus colurna - Turkish Filbert.....	272.76	
32 93 43 00-0429	EA		1-1/2" Caliper Diospyros virginiana - Common Persimmon.....	98.19	
32 93 43 00-0430	EA		2" Caliper Diospyros virginiana - Common Persimmon.....	120.01	
32 93 43 00-0431	EA		2-1/2" Caliper Diospyros virginiana - Common Persimmon.....	152.75	
32 93 43 00-0432	EA		3" Caliper Diospyros virginiana - Common Persimmon.....	190.93	
32 93 43 00-0433	EA		3-1/2" Caliper Diospyros virginiana - Common Persimmon.....	229.12	
32 93 43 00-0434	EA		1-1/2" Caliper Fagus grandifolia - American Beech.....	218.21	
32 93 43 00-0435	EA		2" Caliper Fagus grandifolia - American Beech.....	283.67	
32 93 43 00-0436	EA		2-1/2" Caliper Fagus grandifolia - American Beech.....	360.04	
32 93 43 00-0437	EA		3" Caliper Fagus grandifolia - American Beech.....	436.42	
32 93 43 00-0438	EA		3-1/2" Caliper Fagus grandifolia - American Beech.....	518.25	
32 93 43 00-0439	EA		2" Caliper Fagus sylvatica & cvs - European Beech.....	245.48	
32 93 43 00-0440	EA		2-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	294.58	
32 93 43 00-0441	EA		3" Caliper Fagus sylvatica & cvs - European Beech.....	354.59	
32 93 43 00-0442	EA		3-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	392.78	
32 93 43 00-0443	EA		4" Caliper Fagus sylvatica & cvs - European Beech.....	463.69	
32 93 43 00-0444	EA		4-1/2" Caliper Fagus sylvatica & cvs - European Beech.....	600.07	
32 93 43 00-0445	EA		5" Caliper Fagus sylvatica & cvs - European Beech.....	709.18	
32 93 43 00-0446	EA		2" Caliper Fraxinus americana & cvs - White Ash.....	136.38	
32 93 43 00-0447	EA		2-1/2" Caliper Fraxinus americana & cvs - White Ash.....	163.66	
32 93 43 00-0448	EA		3" Caliper Fraxinus americana & cvs - White Ash.....	207.30	
32 93 43 00-0449	EA		3-1/2" Caliper Fraxinus americana & cvs - White Ash.....	250.94	
32 93 43 00-0450	EA		4" Caliper Fraxinus americana & cvs - White Ash.....	294.58	
32 93 43 00-0451	EA		4-1/2" Caliper Fraxinus americana & cvs - White Ash.....	327.31	
32 93 43 00-0452	EA		5" Caliper Fraxinus americana & cvs - White Ash.....	381.87	
32 93 43 00-0453	EA		2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	120.01	
32 93 43 00-0454	EA		2-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	141.84	
32 93 43 00-0455	EA		3" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	190.93	
32 93 43 00-0456	EA		3-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	229.12	
32 93 43 00-0457	EA		4" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	272.76	
32 93 43 00-0458	EA		4-1/2" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	294.58	
32 93 43 00-0459	EA		5" Caliper Fraxinus pennsylvanica & cvs - Green Ash.....	327.31	
32 93 43 00-0460	EA		1-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	163.66	
32 93 43 00-0461	EA		2" Caliper Fraxinus quadrangulata - Blue Ash.....	201.84	
32 93 43 00-0462	EA		2-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	245.48	
32 93 43 00-0463	EA		3" Caliper Fraxinus quadrangulata - Blue Ash.....	300.04	
32 93 43 00-0464	EA		3-1/2" Caliper Fraxinus quadrangulata - Blue Ash.....	354.59	
32 93 43 00-0465	EA		1-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	190.93	
32 93 43 00-0466	EA		2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	212.75	
32 93 43 00-0467	EA		2-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	240.03	
32 93 43 00-0468	EA		3" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	267.31	
32 93 43 00-0469	EA		3-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	300.04	
32 93 43 00-0470	EA		4" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	327.31	
32 93 43 00-0471	EA		4-1/2" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	490.97	
32 93 43 00-0472	EA		5" Caliper Ginkgo biloba & cvs - Ginkgo (Maidenhair Tree).....	545.52	
32 93 43 00-0473	EA		2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	130.93	
32 93 43 00-0474	EA		2-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	163.66	
32 93 43 00-0475	EA		3" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	196.39	
32 93 43 00-0476	EA		3-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	229.12	
32 93 43 00-0477	EA		4" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	261.85	
32 93 43 00-0478	EA		4-1/2" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	294.58	
32 93 43 00-0479	EA		5" Caliper Gleditsia triacanthos inermis & cvs - Thornless Common Honeylocust.....	349.13	
32 93 43 00-0480	EA		10' - 12' Bursera Simaruba - Gumbo Limbo.....	69.01	
32 93 43 00-0481	EA		12' - 14' Bursera Simaruba - Gumbo Limbo.....	81.56	
32 93 43 00-0482	EA		14' - 16' Bursera Simaruba - Gumbo Limbo.....	112.92	
32 93 43 00-0483	EA		17' - 18' Bursera Simaruba - Gumbo Limbo.....	146.80	
32 93 43 00-0484	EA		19' - 20' Bursera Simaruba - Gumbo Limbo.....	163.11	
32 93 43 00-0485	EA		21' - 22' Bursera Simaruba - Gumbo Limbo.....	193.22	
32 93 43 00-0486	EA		2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	169.11	
32 93 43 00-0487	EA		2-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	207.30	
32 93 43 00-0488	EA		3" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	245.48	
32 93 43 00-0489	EA		3-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	289.13	
32 93 43 00-0490	EA		4" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	327.31	
32 93 43 00-0491	EA		4-1/2" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	365.50	
32 93 43 00-0492	EA		5" Caliper Gymnocladus dioicus - Kentucky Coffeetree.....	409.14	
32 93 43 00-0493	EA		1-1/2" To 2" Caliper Zelkova serrata - Japanese Keaki Tree.....	84.43	
32 93 43 00-0494	EA		2" To 2-1/2" Caliper Zelkova serrata - Japanese Keaki Tree.....	103.42	
32 93 43 00-0495	EA		2-1/2" To 3" Caliper Zelkova serrata - Japanese Keaki Tree.....	131.03	
32 93 43 00-0496	EA		1-1/2" Caliper Juglans cinerea - Butternut.....	130.93	
32 93 43 00-0497	EA		2" Caliper Juglans cinerea - Butternut.....	152.75	
32 93 43 00-0498	EA		2-1/2" Caliper Juglans cinerea - Butternut.....	190.93	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0499	EA		3" Caliper Juglans cinerea - Butternut .....	240.03	
32 93 43 00-0500	EA		3-1/2" Caliper Juglans cinerea - Butternut .....	294.58	
32 93 43 00-0501	EA		1-1/2" Caliper Juglans nigra - Black Walnut .....	130.93	
32 93 43 00-0502	EA		2" Caliper Juglans nigra - Black Walnut .....	152.75	
32 93 43 00-0503	EA		2-1/2" Caliper Juglans nigra - Black Walnut .....	190.93	
32 93 43 00-0504	EA		3" Caliper Juglans nigra - Black Walnut .....	240.03	
32 93 43 00-0505	EA		3-1/2" Caliper Juglans nigra - Black Walnut .....	294.58	
32 93 43 00-0506	EA		4" Caliper Juglans nigra - Black Walnut .....	354.59	
32 93 43 00-0507	EA		4-1/2" Caliper Juglans nigra - Black Walnut .....	409.14	
32 93 43 00-0508	EA		5" Caliper Juglans nigra - Black Walnut .....	463.69	
32 93 43 00-0509	EA		5 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	14.77	
32 93 43 00-0510	EA		15 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	36.92	
32 93 43 00-0511	EA		20 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	73.84	
32 93 43 00-0512	EA		55 Gallon Koelreuteria Paniculata - Goldenrain Tree .....	96.00	
32 93 43 00-0513	EA		1-1/2" To 2" Caliper Koelreuteria Paniculata - Goldenrain Tree .....	70.15	
32 93 43 00-0514	EA		2" To 2-1/2" Caliper Koelreuteria Paniculata - Goldenrain Tree .....	84.92	
32 93 43 00-0515	EA		2-1/2" To 3" Caliper Koelreuteria Paniculata - Goldenrain Tree .....	118.15	
32 93 43 00-0516	EA		1-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	174.57	
32 93 43 00-0517	EA		2" Caliper Liquidambar styraciflua - American Sweetgum .....	218.21	
32 93 43 00-0518	EA		2-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	272.76	
32 93 43 00-0519	EA		3" Caliper Liquidambar styraciflua - American Sweetgum .....	327.31	
32 93 43 00-0520	EA		3-1/2" Caliper Liquidambar styraciflua - American Sweetgum .....	381.87	
32 93 43 00-0521	EA		1-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	174.57	
32 93 43 00-0522	EA		2" Caliper Liriodendron tulipifera - Tulip Tree .....	240.03	
32 93 43 00-0523	EA		2-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	283.67	
32 93 43 00-0524	EA		3" Caliper Liriodendron tulipifera - Tulip Tree .....	327.31	
32 93 43 00-0525	EA		3-1/2" Caliper Liriodendron tulipifera - Tulip Tree .....	370.95	
32 93 43 00-0526	EA		8' Clump Form Liriodendron tulipifera - Tulip Tree .....	130.93	
32 93 43 00-0527	EA		10' Clump Form Liriodendron tulipifera - Tulip Tree .....	234.57	
32 93 43 00-0528	EA		12' Clump Form Liriodendron tulipifera - Tulip Tree .....	283.67	
32 93 43 00-0529	EA		10' To 12' Swietenia Mahagoni - Mahogany .....	96.61	
32 93 43 00-0530	EA		12' To 14' Swietenia Mahagoni - Mahogany .....	112.92	
32 93 43 00-0531	EA		14' To 16' Swietenia Mahagoni - Mahogany .....	150.56	
32 93 43 00-0532	EA		16' To 18' Swietenia Mahagoni - Mahogany .....	169.38	
32 93 43 00-0533	EA		1-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	174.57	
32 93 43 00-0534	EA		2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	218.21	
32 93 43 00-0535	EA		2-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	272.76	
32 93 43 00-0536	EA		3" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	327.31	
32 93 43 00-0537	EA		3-1/2" Caliper Nyssa sylvatica - Black Tupelo Sour Gum .....	381.87	
32 93 43 00-0538	EA		4' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum .....	76.37	
32 93 43 00-0539	EA		5' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum .....	87.28	
32 93 43 00-0540	EA		6' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum .....	103.65	
32 93 43 00-0541	EA		7' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum .....	130.93	
32 93 43 00-0542	EA		8' Clump Form Nyssa sylvatica - Black Tupelo Sour Gum .....	163.66	
32 93 43 00-0543	EA		2" Caliper Ostrya virginiana - American Hophornbeam .....	141.84	
32 93 43 00-0544	EA		2-1/2" Caliper Ostrya virginiana - American Hophornbeam .....	180.02	
32 93 43 00-0545	EA		3" Caliper Ostrya virginiana - American Hophornbeam .....	218.21	
32 93 43 00-0546	EA		3-1/2" Caliper Ostrya virginiana - American Hophornbeam .....	256.40	
32 93 43 00-0547	EA		4" Caliper Ostrya virginiana - American Hophornbeam .....	310.95	
32 93 43 00-0548	EA		2" Caliper Phellodendron amurense - Amur Corktree .....	109.10	
32 93 43 00-0549	EA		2-1/2" Caliper Phellodendron amurense - Amur Corktree .....	136.38	
32 93 43 00-0550	EA		3" Caliper Phellodendron amurense - Amur Corktree .....	163.66	
32 93 43 00-0551	EA		3-1/2" Caliper Phellodendron amurense - Amur Corktree .....	190.93	
32 93 43 00-0552	EA		4" Caliper Phellodendron amurense - Amur Corktree .....	218.21	
32 93 43 00-0553	EA		4-1/2" Caliper Phellodendron amurense - Amur Corktree .....	245.48	
32 93 43 00-0554	EA		5" Caliper Phellodendron amurense - Amur Corktree .....	272.76	
32 93 43 00-0555	EA		30" Box Platanus Occidentalis - Buttonwood Sycamore .....	237.00	
32 93 43 00-0556	EA		36" Box Platanus Occidentalis - Buttonwood Sycamore .....	344.73	
32 93 43 00-0557	EA		42" Box Platanus occidentalis - Buttonwood Sycamore .....	512.81	
32 93 43 00-0558	EA		1-1/2" To 2" Caliper Platanus occidentalis - Buttonwood Sycamore .....	79.30	
32 93 43 00-0559	EA		2" To 2-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore .....	94.81	
32 93 43 00-0560	EA		2-1/2" To 3" Caliper Platanus occidentalis - Buttonwood Sycamore .....	129.27	
32 93 43 00-0561	EA		3" To 3-1/2" Caliper Platanus occidentalis - Buttonwood Sycamore .....	156.88	
32 93 43 00-0562	EA		8' To 10' Platanus occidentalis - Green Or Silver Buttonwood .....	65.24	
32 93 43 00-0563	EA		10' To 12' Platanus occidentalis - Green Or Silver Buttonwood .....	81.56	
32 93 43 00-0564	EA		12' To 14' Platanus occidentalis - Green Or Silver Buttonwood .....	144.29	
32 93 43 00-0565	EA		16' To 18' Platanus occidentalis - Green Or Silver Buttonwood .....	207.03	
32 93 43 00-0566	EA		2" Caliper Platanus x acerifolia & cvs - London Planetree .....	130.93	
32 93 43 00-0567	EA		2-1/2" Caliper Platanus x acerifolia & cvs - London Planetree .....	158.20	
32 93 43 00-0568	EA		3" Caliper Platanus x acerifolia & cvs - London Planetree .....	190.93	
32 93 43 00-0569	EA		3-1/2" Caliper Platanus x acerifolia & cvs - London Planetree .....	229.12	
32 93 43 00-0570	EA		4" Caliper Platanus x acerifolia & cvs - London Planetree .....	272.76	
32 93 43 00-0571	EA		2" Caliper Populus alba & cvs - White Poplar .....	130.93	
32 93 43 00-0572	EA		2-1/2" Caliper Populus alba & cvs - White Poplar .....	152.75	
32 93 43 00-0573	EA		3" Caliper Populus alba & cvs - White Poplar .....	174.57	
32 93 43 00-0574	EA		3-1/2" Caliper Populus alba & cvs - White Poplar .....	207.30	
32 93 43 00-0575	EA		4" Caliper Populus alba & cvs - White Poplar .....	229.12	
32 93 43 00-0576	EA		4-1/2" Caliper Populus alba & cvs - White Poplar .....	261.85	
32 93 43 00-0577	EA		2" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	120.01	
32 93 43 00-0578	EA		2-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	158.20	
32 93 43 00-0579	EA		3" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	190.93	
32 93 43 00-0580	EA		3-1/2" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	229.12	
32 93 43 00-0581	EA		4" Caliper Populus deltoides & cvs - Eastern Cottonwood .....	272.76	
32 93 43 00-0582	EA		6' To 8' Quercus acutissima - Sawtooth Oak .....	41.02	
32 93 43 00-0583	EA		8' To 10' Quercus acutissima - Sawtooth Oak .....	61.54	



**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 43 00-0584	EA	10' To 12' Quercus acutissima - Sawtooth Oak	71.79	
32 93 43 00-0585	EA	1-1/2" To 2" Caliper Quercus acutissima - Sawtooth Oak	82.05	
32 93 43 00-0586	EA	2" To 2-1/2" Caliper Quercus acutissima - Sawtooth Oak	92.31	
32 93 43 00-0587	EA	3" To 3-1/2" Caliper Quercus virginiana - Live Oak	324.92	
32 93 43 00-0588	EA	3-1/2" To 4" Caliper Quercus virginiana - Live Oak	437.89	
32 93 43 00-0589	EA	4" To 4-1/2" Caliper Quercus virginiana - Live Oak	592.22	
32 93 43 00-0590	EA	4-1/2" To 5" Caliper Quercus virginiana - Live Oak	790.46	
32 93 43 00-0591	EA	5" To 5-1/2" Caliper Quercus virginiana - Live Oak	953.57	
32 93 43 00-0592	EA	5-1/2" To 6" Caliper Quercus virginiana - Live Oak	1,053.95	
32 93 43 00-0593	EA	6" To 6-1/2" Caliper Quercus virginiana - Live Oak	1,417.81	
32 93 43 00-0594	EA	6-1/2" To 7" Caliper Quercus virginiana - Live Oak	1,781.67	
32 93 43 00-0595	EA	7" To 7-1/2" Caliper Quercus virginiana - Live Oak	2,145.54	
32 93 43 00-0596	EA	7-1/2" To 8" Caliper Quercus virginiana - Live Oak	2,603.50	
32 93 43 00-0597	EA	8" To 8-1/2" Caliper Quercus virginiana - Live Oak	3,061.47	
32 93 43 00-0598	EA	2" Caliper Quercus alba - White Oak	163.66	
32 93 43 00-0599	EA	2-1/2" Caliper Quercus alba - White Oak	190.93	
32 93 43 00-0600	EA	3" Caliper Quercus alba - White Oak	240.03	
32 93 43 00-0601	EA	3-1/2" Caliper Quercus alba - White Oak	300.04	
32 93 43 00-0602	EA	4" Caliper Quercus alba - White Oak	354.59	
32 93 43 00-0603	EA	4-1/2" Caliper Quercus alba - White Oak	436.42	
32 93 43 00-0604	EA	5" Caliper Quercus alba - White Oak	518.25	
32 93 43 00-0605	EA	2" Caliper Quercus bicolor - Swamp White Oak	190.93	
32 93 43 00-0606	EA	2-1/2" Caliper Quercus bicolor - Swamp White Oak	218.21	
32 93 43 00-0607	EA	3" Caliper Quercus bicolor - Swamp White Oak	250.94	
32 93 43 00-0608	EA	3-1/2" Caliper Quercus bicolor - Swamp White Oak	278.22	
32 93 43 00-0609	EA	4" Caliper Quercus bicolor - Swamp White Oak	316.40	
32 93 43 00-0610	EA	4-1/2" Caliper Quercus bicolor - Swamp White Oak	349.13	
32 93 43 00-0611	EA	5" Caliper Quercus bicolor - Swamp White Oak	392.78	
32 93 43 00-0612	EA	10' Clump Form Quercus bicolor - Swamp White Oak	272.76	
32 93 43 00-0613	EA	12' Clump Form Quercus bicolor - Swamp White Oak	327.31	
32 93 43 00-0614	EA	14' Clump Form Quercus bicolor - Swamp White Oak	381.87	
32 93 43 00-0615	EA	16' Clump Form Quercus bicolor - Swamp White Oak	436.42	
32 93 43 00-0616	EA	2" Caliper Quercus coccinea - Scarlet Oak	141.84	
32 93 43 00-0617	EA	2-1/2" Caliper Quercus coccinea - Scarlet Oak	180.02	
32 93 43 00-0618	EA	3" Caliper Quercus coccinea - Scarlet Oak	223.66	
32 93 43 00-0619	EA	3-1/2" Caliper Quercus coccinea - Scarlet Oak	272.76	
32 93 43 00-0620	EA	4" Caliper Quercus coccinea - Scarlet Oak	327.31	
32 93 43 00-0621	EA	4-1/2" Caliper Quercus coccinea - Scarlet Oak	387.32	
32 93 43 00-0622	EA	5" Caliper Quercus coccinea - Scarlet Oak	452.78	
32 93 43 00-0623	EA	1-1/2" Caliper Quercus imbricaria - Shingle Oak	141.84	
32 93 43 00-0624	EA	2" Caliper Quercus imbricaria - Shingle Oak	190.93	
32 93 43 00-0625	EA	2-1/2" Caliper Quercus imbricaria - Shingle Oak	256.40	
32 93 43 00-0626	EA	3" Caliper Quercus imbricaria - Shingle Oak	381.87	
32 93 43 00-0627	EA	3-1/2" Caliper Quercus imbricaria - Shingle Oak	518.25	
32 93 43 00-0628	EA	1-1/2" Caliper Quercus macrocarpa - Bur Oak	141.84	
32 93 43 00-0629	EA	2" Caliper Quercus macrocarpa - Bur Oak	169.11	
32 93 43 00-0630	EA	2-1/2" Caliper Quercus macrocarpa - Bur Oak	201.84	
32 93 43 00-0631	EA	3" Caliper Quercus macrocarpa - Bur Oak	245.48	
32 93 43 00-0632	EA	3-1/2" Caliper Quercus macrocarpa - Bur Oak	300.04	
32 93 43 00-0633	EA	4" Caliper Quercus macrocarpa - Bur Oak	354.59	
32 93 43 00-0634	EA	9' Clump Form Quercus macrocarpa - Bur Oak	327.31	
32 93 43 00-0635	EA	10' Clump Form Quercus macrocarpa - Bur Oak	381.87	
32 93 43 00-0636	EA	12' Clump Form Quercus macrocarpa - Bur Oak	436.42	
32 93 43 00-0637	EA	2" Caliper Quercus palustris - Pin Oak	120.01	
32 93 43 00-0638	EA	2-1/2" Caliper Quercus palustris - Pin Oak	163.66	
32 93 43 00-0639	EA	3" Caliper Quercus palustris - Pin Oak	212.75	
32 93 43 00-0640	EA	3-1/2" Caliper Quercus palustris - Pin Oak	245.48	
32 93 43 00-0641	EA	4" Caliper Quercus palustris - Pin Oak	283.67	
32 93 43 00-0642	EA	4-1/2" Caliper Quercus palustris - Pin Oak	321.86	
32 93 43 00-0643	EA	5" Caliper Quercus palustris - Pin Oak	354.59	
32 93 43 00-0644	EA	2" Caliper Quercus robur & cvs - English Oak	141.84	
32 93 43 00-0645	EA	2-1/2" Caliper Quercus robur & cvs - English Oak	174.57	
32 93 43 00-0646	EA	3" Caliper Quercus robur & cvs - English Oak	207.30	
32 93 43 00-0647	EA	3-1/2" Caliper Quercus robur & cvs - English Oak	245.48	
32 93 43 00-0648	EA	4" Caliper Quercus robur & cvs - English Oak	283.67	
32 93 43 00-0649	EA	4-1/2" Caliper Quercus robur & cvs - English Oak	327.31	
32 93 43 00-0650	EA	5" Caliper Quercus robur & cvs - English Oak	370.95	
32 93 43 00-0651	EA	2" Caliper Quercus rubra - Red Oak	163.66	
32 93 43 00-0652	EA	2-1/2" Caliper Quercus rubra - Red Oak	190.93	
32 93 43 00-0653	EA	3" Caliper Quercus rubra - Red Oak	229.12	
32 93 43 00-0654	EA	3-1/2" Caliper Quercus rubra - Red Oak	272.76	
32 93 43 00-0655	EA	4" Caliper Quercus rubra - Red Oak	327.31	
32 93 43 00-0656	EA	4-1/2" Caliper Quercus rubra - Red Oak	381.87	
32 93 43 00-0657	EA	5" Caliper Quercus rubra - Red Oak	436.42	
32 93 43 00-0658	EA	16' Clump Form Quercus rubra - Red Oak	354.59	
32 93 43 00-0659	EA	18' Clump Form Quercus rubra - Red Oak	425.51	
32 93 43 00-0660	EA	20' Clump Form Quercus rubra - Red Oak	474.60	
32 93 43 00-0661	EA	2" Caliper Quercus shumardii - Shumard Oak	185.48	
32 93 43 00-0662	EA	2-1/2" Caliper Quercus shumardii - Shumard Oak	234.57	
32 93 43 00-0663	EA	3" Caliper Quercus shumardii - Shumard Oak	272.76	
32 93 43 00-0664	EA	3-1/2" Caliper Quercus shumardii - Shumard Oak	327.31	
32 93 43 00-0665	EA	4" Caliper Quercus shumardii - Shumard Oak	381.87	
32 93 43 00-0666	EA	4-1/2" Caliper Quercus shumardii - Shumard Oak	436.42	
32 93 43 00-0667	EA	5" Caliper Quercus shumardii - Shumard Oak	490.97	
32 93 43 00-0668	EA	2" Caliper Quercus schuettii - Swamp Bur Oak	163.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0669	EA	2-1/2"	Caliper Quercus schuettii - Swamp Bur Oak	196.39	
32 93 43 00-0670	EA	3"	Caliper Quercus schuettii - Swamp Bur Oak	245.48	
32 93 43 00-0671	EA	3-1/2"	Caliper Quercus schuettii - Swamp Bur Oak	300.04	
32 93 43 00-0672	EA	4"	Caliper Quercus schuettii - Swamp Bur Oak	349.13	
32 93 43 00-0673	EA	4-1/2"	Caliper Quercus schuettii - Swamp Bur Oak	392.78	
32 93 43 00-0674	EA	24"	Box Salix babylonica - Weeping Willow	137.89	
32 93 43 00-0675	EA	36"	Box Salix babylonica - Weeping Willow	344.73	
32 93 43 00-0676	EA	1-1/2" To 2"	Caliper Salix babylonica - Weeping Willow	79.30	
32 93 43 00-0677	EA	2"	To 2-1/2" Caliper Salix babylonica - Weeping Willow	94.81	
32 93 43 00-0678	EA	2-1/2" To 3"	Caliper Salix babylonica - Weeping Willow	103.42	
32 93 43 00-0679	EA	2"	Caliper Salix alba & cvs - White Willow	87.28	
32 93 43 00-0680	EA	2-1/2"	Caliper Salix alba & cvs - White Willow	103.65	
32 93 43 00-0681	EA	3"	Caliper Salix alba & cvs - White Willow	136.38	
32 93 43 00-0682	EA	3-1/2"	Caliper Salix alba & cvs - White Willow	163.66	
32 93 43 00-0683	EA	4"	Caliper Salix alba & cvs - White Willow	196.39	
32 93 43 00-0684	EA	4-1/2"	Caliper Salix alba & cvs - White Willow	229.12	
32 93 43 00-0685	EA	5"	Caliper Salix alba & cvs - White Willow	261.85	
32 93 43 00-0686	EA	5'	Clump Form Sassafras albidum - Common Sassafras	103.65	
32 93 43 00-0687	EA	6'	Clump Form Sassafras albidum - Common Sassafras	125.47	
32 93 43 00-0688	EA	7'	Clump Form Sassafras albidum - Common Sassafras	158.20	
32 93 43 00-0689	EA	8'	Clump Form Sassafras albidum - Common Sassafras	180.02	
32 93 43 00-0690	EA	10'	Clump Form Sassafras albidum - Common Sassafras	201.84	
32 93 43 00-0691	EA	12'	Clump Form Sassafras albidum - Common Sassafras	245.48	
32 93 43 00-0692	EA	14'	Clump Form Sassafras albidum - Common Sassafras	300.04	
32 93 43 00-0693	EA	16'	Clump Form Sassafras albidum - Common Sassafras	354.59	
32 93 43 00-0694	EA	1-3/4"	Caliper Sophora japonica - Chinese Scholar	180.68	
32 93 43 00-0695	EA	2"	Caliper Sophora japonica - Chinese Scholar	200.75	
32 93 43 00-0696	EA	2-1/2"	Caliper Sophora japonica - Chinese Scholar	269.76	
32 93 43 00-0697	EA	3"	Caliper Sophora japonica - Chinese Scholar	351.32	
32 93 43 00-0698	EA	3-1/2"	Caliper Sophora japonica - Chinese Scholar	407.78	
32 93 43 00-0699	EA	2"	Caliper Taxodium distichum - Common Bald Cypress	136.38	
32 93 43 00-0700	EA	2-1/2"	Caliper Taxodium distichum - Common Bald Cypress	158.20	
32 93 43 00-0701	EA	3"	Caliper Taxodium distichum - Common Bald Cypress	190.93	
32 93 43 00-0702	EA	3-1/2"	Caliper Taxodium distichum - Common Bald Cypress	218.21	
32 93 43 00-0703	EA	4"	Caliper Taxodium distichum - Common Bald Cypress	240.03	
32 93 43 00-0704	EA	6'	Clump Form Taxodium distichum - Common Bald Cypress	120.01	
32 93 43 00-0705	EA	7'	Clump Form Taxodium distichum - Common Bald Cypress	136.38	
32 93 43 00-0706	EA	8'	Clump Form Taxodium distichum - Common Bald Cypress	196.39	
32 93 43 00-0707	EA	10'	Clump Form Taxodium distichum - Common Bald Cypress	218.21	
32 93 43 00-0708	EA	12'	Clump Form Taxodium distichum - Common Bald Cypress	245.48	
32 93 43 00-0709	EA	14'	Clump Form Taxodium distichum - Common Bald Cypress	283.67	
32 93 43 00-0710	EA	16'	Clump Form Taxodium distichum - Common Bald Cypress	327.31	
32 93 43 00-0711	EA	2'	Thuja occidentalis - American Arborvitae	18.70	
32 93 43 00-0712	EA	2-1/2"	Thuja occidentalis - American Arborvitae	20.20	
32 93 43 00-0713	EA	3"	Thuja occidentalis - American Arborvitae	28.86	
32 93 43 00-0714	EA	4"	Thuja occidentalis - American Arborvitae	39.65	
32 93 43 00-0715	EA	5"	Thuja occidentalis - American Arborvitae	55.21	
32 93 43 00-0716	EA	6"	Thuja occidentalis - American Arborvitae	76.54	
32 93 43 00-0717	EA	7"	Thuja occidentalis - American Arborvitae	92.85	
32 93 43 00-0718	EA	8"	Thuja occidentalis - American Arborvitae	130.49	
32 93 43 00-0719	EA	2"	Caliper Tilia americana & cvs - American Linden Basswood	136.38	
32 93 43 00-0720	EA	2-1/2"	Caliper Tilia americana & cvs - American Linden Basswood	158.20	
32 93 43 00-0721	EA	3"	Caliper Tilia americana & cvs - American Linden Basswood	201.84	
32 93 43 00-0722	EA	3-1/2"	Caliper Tilia americana & cvs - American Linden Basswood	234.57	
32 93 43 00-0723	EA	4"	Caliper Tilia americana & cvs - American Linden Basswood	267.31	
32 93 43 00-0724	EA	4-1/2"	Caliper Tilia americana & cvs - American Linden Basswood	300.04	
32 93 43 00-0725	EA	5"	Caliper Tilia americana & cvs - American Linden Basswood	327.31	
32 93 43 00-0726	EA	10'	Clump Form Tilia americana & cvs - American Linden Basswood	174.57	
32 93 43 00-0727	EA	12'	Clump Form Tilia americana & cvs - American Linden Basswood	190.93	
32 93 43 00-0728	EA	14'	Clump Form Tilia americana & cvs - American Linden Basswood	218.21	
32 93 43 00-0729	EA	16'	Clump Form Tilia americana & cvs - American Linden Basswood	250.94	
32 93 43 00-0730	EA	2"	Caliper Tilia cordata & cvs - Littleleaf Linden	137.20	
32 93 43 00-0731	EA	2-1/2"	Caliper Tilia cordata & cvs - Littleleaf Linden	165.73	
32 93 43 00-0732	EA	3"	Caliper Tilia cordata & cvs - Littleleaf Linden	190.93	
32 93 43 00-0733	EA	3-1/2"	Caliper Tilia cordata & cvs - Littleleaf Linden	234.57	
32 93 43 00-0734	EA	4"	Caliper Tilia cordata & cvs - Littleleaf Linden	267.31	
32 93 43 00-0735	EA	4-1/2"	Caliper Tilia cordata & cvs - Littleleaf Linden	300.04	
32 93 43 00-0736	EA	5"	Caliper Tilia cordata & cvs - Littleleaf Linden	332.77	
32 93 43 00-0737	EA	2"	Caliper Tilia tomentosa & cvs - Silver Linden	152.75	
32 93 43 00-0738	EA	2-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden	169.11	
32 93 43 00-0739	EA	3"	Caliper Tilia tomentosa & cvs - Silver Linden	185.48	
32 93 43 00-0740	EA	3-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden	207.30	
32 93 43 00-0741	EA	4"	Caliper Tilia tomentosa & cvs - Silver Linden	240.03	
32 93 43 00-0742	EA	4-1/2"	Caliper Tilia tomentosa & cvs - Silver Linden	283.67	
32 93 43 00-0743	EA	5"	Caliper Tilia tomentosa & cvs - Silver Linden	370.95	
32 93 43 00-0744	EA	2"	Caliper Tilia x euchlora - Crimean Linden	152.75	
32 93 43 00-0745	EA	2-1/2"	Caliper Tilia x euchlora - Crimean Linden	196.39	
32 93 43 00-0746	EA	3"	Caliper Tilia x euchlora - Crimean Linden	240.03	
32 93 43 00-0747	EA	3-1/2"	Caliper Tilia x euchlora - Crimean Linden	272.76	
32 93 43 00-0748	EA	4"	Caliper Tilia x euchlora - Crimean Linden	305.49	
32 93 43 00-0749	EA	4-1/2"	Caliper Tilia x euchlora - Crimean Linden	343.68	
32 93 43 00-0750	EA	5"	Caliper Tilia x euchlora - Crimean Linden	370.95	
32 93 43 00-0751	EA	2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	152.75	
32 93 43 00-0752	EA	2-1/2"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	174.57	
32 93 43 00-0753	EA	3"	Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	190.93	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

32 93 43 00-0754	EA	3-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	207.30
32 93 43 00-0755	EA	4" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	229.12
32 93 43 00-0756	EA	4-1/2" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	272.76
32 93 43 00-0757	EA	5" Caliper Ulmus x 'Homestead' - Homestead Hybrid Elm	321.86
32 93 43 00-0758	EA	2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	174.57
32 93 43 00-0759	EA	2-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	190.93
32 93 43 00-0760	EA	3" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	207.30
32 93 43 00-0761	EA	3-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	229.12
32 93 43 00-0762	EA	4" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	272.76
32 93 43 00-0763	EA	4-1/2" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	321.86
32 93 43 00-0764	EA	5" Caliper Ulmus x 'Pioneer' - Pioneer Hybrid Elm	370.95
32 93 43 00-0765	EA	2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	174.57
32 93 43 00-0766	EA	2-1/2" Mary-Louise Parker Ulmus x 'Regal' - Regal Hybrid Elm	190.93
32 93 43 00-0767	EA	3" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	207.30
32 93 43 00-0768	EA	3-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	229.12
32 93 43 00-0769	EA	4" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	272.76
32 93 43 00-0770	EA	4-1/2" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	321.86
32 93 43 00-0771	EA	5" Caliper Ulmus x 'Regal' - Regal Hybrid Elm	370.95

**32 93 43 00-0772****Evergreen Trees** (32 93 43)

Note: All trees listed by caliper of trunk or height of tree if field grown, dug with spade, balled and burlapped and delivered to site.

32 93 43 00-0773	EA	6' Abies balsamea - Balsam Fir	133.40
32 93 43 00-0774	EA	7' Abies balsamea - Balsam Fir	166.75
32 93 43 00-0775	EA	8' Abies balsamea - Balsam Fir	200.10
32 93 43 00-0776	EA	9' Abies balsamea - Balsam Fir	266.80
32 93 43 00-0777	EA	10' Abies balsamea - Balsam Fir	333.50
32 93 43 00-0778	EA	12' Abies balsamea - Balsam Fir	400.20
32 93 43 00-0779	EA	6' Abies concolor - White Fir	193.43
32 93 43 00-0780	EA	7' Abies concolor - White Fir	220.11
32 93 43 00-0781	EA	8' Abies concolor - White Fir	260.13
32 93 43 00-0782	EA	9' Abies concolor - White Fir	300.15
32 93 43 00-0783	EA	10' Abies concolor - White Fir	353.51
32 93 43 00-0784	EA	12' Abies concolor - White Fir	433.55
32 93 43 00-0785	EA	14' Abies concolor - White Fir	533.60
32 93 43 00-0786	EA	16' Abies concolor - White Fir	600.30
32 93 43 00-0787	EA	6' Abies fraseri - Frasier Fir	133.40
32 93 43 00-0788	EA	7' Abies fraseri - Frasier Fir	166.75
32 93 43 00-0789	EA	8' Abies fraseri - Frasier Fir	200.10
32 93 43 00-0790	EA	9' Abies fraseri - Frasier Fir	266.80
32 93 43 00-0791	EA	10' Abies fraseri - Frasier Fir	333.50
32 93 43 00-0792	EA	12' Abies fraseri - Frasier Fir	400.20
32 93 43 00-0793	EA	2' To 3' Cedrus atlantica - Blue Atlas Cedar	24.03
32 93 43 00-0794	EA	3' To 4' Cedrus atlantica - Blue Atlas Cedar	38.62
32 93 43 00-0795	EA	4' To 5' Cedrus atlantica - Blue Atlas Cedar	57.38
32 93 43 00-0796	EA	5' To 6' Cedrus atlantica - Blue Atlas Cedar	77.20
32 93 43 00-0797	EA	7' To 8' Cedrus atlantica - Blue Atlas Cedar	109.60
32 93 43 00-0798	EA	6' To 8' Cedrus deodara - Indian Cedar	99.17
32 93 43 00-0799	EA	8' To 10' Cedrus deodara - Indian Cedar	114.82
32 93 43 00-0800	EA	10' To 12' Cedrus deodara - Indian Cedar	156.55
32 93 43 00-0801	EA	12' To 14' Cedrus deodara - Indian Cedar	203.50
32 93 43 00-0802	EA	14' To 16' Cedrus deodara - Indian Cedar	260.93
32 93 43 00-0803	EA	15" To 18" Chamaecyparis obtusa - Compact Hinoki Cypress	31.00
32 93 43 00-0804	EA	18" To 24" Chamaecyparis obtusa - Compact Hinoki Cypress	46.50
32 93 43 00-0805	EA	2' To 3' Chamaecyparis obtusa - Compact Hinoki Cypress	72.33
32 93 43 00-0806	EA	3' To 4' Chamaecyparis obtusa - Compact Hinoki Cypress	124.00
32 93 43 00-0807	EA	4' To 5' Chamaecyparis pisifera - Sawara Cypress	37.57
32 93 43 00-0808	EA	5' To 6' Chamaecyparis pisifera - Sawara Cypress	58.49
32 93 43 00-0809	EA	6' To 7' Chamaecyparis pisifera - Sawara Cypress	73.03
32 93 43 00-0810	EA	7' To 8' Chamaecyparis pisifera - Sawara Cypress	104.38
32 93 43 00-0811	EA	1 Gallon Cleystera japonica - Japanese Cleystera	4.23
32 93 43 00-0812	EA	3 Gallon Cleystera japonica - Japanese Cleystera	10.61
32 93 43 00-0813	EA	7 Gallon Cleystera japonica - Japanese Cleystera	30.38
32 93 43 00-0814	EA	5 Gallon Cupressocyparis leylandii - Leyland Cypress	17.05
32 93 43 00-0815	EA	15 Gallon Cupressocyparis leylandii - Leyland Cypress	68.22
32 93 43 00-0816	EA	4' To 5' Cupressocyparis leylandii - Leyland Cypress	29.85
32 93 43 00-0817	EA	5' To 6' Cupressocyparis leylandii - Leyland Cypress	38.37
32 93 43 00-0818	EA	6' To 7' Cupressocyparis leylandii - Leyland Cypress	59.69
32 93 43 00-0819	EA	24" Box Cupressocyparis leylandii - Leyland Cypress	144.96
32 93 43 00-0820	EA	1 Gallon Cupressus macrocarpa - Monterey Cypress	3.11
32 93 43 00-0821	EA	5 Gallon Cupressus macrocarpa - Monterey Cypress	14.00
32 93 43 00-0822	EA	15 Gallon Cupressus macrocarpa - Monterey Cypress	46.65
32 93 43 00-0823	EA	5 Gallon Cupressus sempervirens - Italian Cypress	16.05
32 93 43 00-0824	EA	15 Gallon Cupressus sempervirens - Italian Cypress	44.14
32 93 43 00-0825	EA	1 Gallon Illicium anisatum - Anise Tree	4.59
32 93 43 00-0826	EA	3 Gallon Illicium anisatum - Anise Tree	10.61
32 93 43 00-0827	EA	1 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	4.72
32 93 43 00-0828	EA	2 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	9.23
32 93 43 00-0829	EA	3 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	11.44
32 93 43 00-0830	EA	5 Gallon Juniperus horizontalis "Bar Harbor" - Bar Harbor Juniper	13.44
32 93 43 00-0831	EA	1 Gallon Juniperus - Blue Sargent Juniper	4.72
32 93 43 00-0832	EA	2 Gallon Juniperus - Blue Sargent Juniper	9.23
32 93 43 00-0833	EA	3 Gallon Juniperus - Blue Sargent Juniper	11.44
32 93 43 00-0834	EA	5 Gallon Juniperus - Blue Sargent Juniper	13.44
32 93 43 00-0835	EA	5 Gallon Juniperus - Compact Pfitzer Juniper	13.44

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 93 43 00-0836	EA		15" To 18" Juniperus - Compact Pfitzer Juniper .....	14.55	
32 93 43 00-0837	EA		18" To 24" Juniperus - Compact Pfitzer Juniper .....	17.56	
32 93 43 00-0838	EA		2' To 2 1/2' Juniperus - Compact Pfitzer Juniper .....	26.08	
32 93 43 00-0839	EA		2-1/2' To 3' Juniperus - Compact Pfitzer Juniper .....	30.20	
32 93 43 00-0840	EA		5' To 6' Juniperus - Fairview Juniper .....	44.98	
32 93 43 00-0841	EA		1 Gallon Juniperus - Hollywood Juniper .....	6.02	
32 93 43 00-0842	EA		5 Gallon Juniperus - Hollywood Juniper .....	16.75	
32 93 43 00-0843	EA		15 Gallon Juniperus - Hollywood Juniper .....	71.03	
32 93 43 00-0844	EA		4' To 5' Juniperus - Hollywood Juniper .....	46.95	
32 93 43 00-0845	EA		5' To 6' Juniperus - Hollywood Juniper .....	60.49	
32 93 43 00-0846	EA		1 Gallon Juniperus - Parson's Juniper .....	4.72	
32 93 43 00-0847	EA		2 Gallon Juniperus - Parson's Juniper .....	9.33	
32 93 43 00-0848	EA		3 Gallon Juniperus - Parson's Juniper .....	11.54	
32 93 43 00-0849	EA		5 Gallon Juniperus - Parson's Juniper .....	13.64	
32 93 43 00-0850	EA		5 Gallon Juniperus - Skyrocket Juniper .....	16.85	
32 93 43 00-0851	EA		15 Gallon Juniperus - Skyrocket Juniper .....	71.73	
32 93 43 00-0852	EA		2' To 3' Juniperus - Skyrocket Juniper .....	25.28	
32 93 43 00-0853	EA		3' To 4' Juniperus - Skyrocket Juniper .....	35.81	
32 93 43 00-0854	EA		4' To 5' Juniperus - Skyrocket Juniper .....	47.45	
32 93 43 00-0855	EA		5' To 6' Juniperus - Skyrocket Juniper .....	61.20	
32 93 43 00-0856	EA		6' To 8' Juniperus - Skyrocket Juniper .....	79.05	
32 93 43 00-0857	EA		1 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	4.72	
32 93 43 00-0858	EA		2 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	9.28	
32 93 43 00-0859	EA		3 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	11.39	
32 93 43 00-0860	EA		5 Gallon Juniperus horizontalis "Wiltonii" - Blue Rug Juniper .....	13.49	
32 93 43 00-0861	EA		1 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	4.72	
32 93 43 00-0862	EA		2 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	9.28	
32 93 43 00-0863	EA		3 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	11.39	
32 93 43 00-0864	EA		5 Gallon Juniperus horizontalis "Plumosa" - Compact Andorra Juniper .....	13.49	
32 93 43 00-0865	EA		2' To 3' Juniperus virginiana - Eastern Red Cedar .....	25.28	
32 93 43 00-0866	EA		3' To 4' Juniperus virginiana - Eastern Red Cedar .....	35.81	
32 93 43 00-0867	EA		4' To 5' Juniperus virginiana - Eastern Red Cedar .....	47.45	
32 93 43 00-0868	EA		5' To 6' Juniperus virginiana - Eastern Red Cedar .....	61.20	
32 93 43 00-0869	EA		5' Picea abies & cvs - Norway Spruce .....	146.74	
32 93 43 00-0870	EA		6' Picea abies & cvs - Norway Spruce .....	166.75	
32 93 43 00-0871	EA		7' Picea abies & cvs - Norway Spruce .....	200.10	
32 93 43 00-0872	EA		8' Picea abies & cvs - Norway Spruce .....	233.45	
32 93 43 00-0873	EA		9' Picea abies & cvs - Norway Spruce .....	313.49	
32 93 43 00-0874	EA		10' Picea abies & cvs - Norway Spruce .....	380.19	
32 93 43 00-0875	EA		12' Picea abies & cvs - Norway Spruce .....	466.90	
32 93 43 00-0876	EA		14' Picea abies & cvs - Norway Spruce .....	566.95	
32 93 43 00-0877	EA		6' Picea glauca - White Spruce .....	140.07	
32 93 43 00-0878	EA		7' Picea glauca - White Spruce .....	200.10	
32 93 43 00-0879	EA		8' Picea glauca - White Spruce .....	233.45	
32 93 43 00-0880	EA		9' Picea glauca - White Spruce .....	280.14	
32 93 43 00-0881	EA		10' Picea glauca - White Spruce .....	333.50	
32 93 43 00-0882	EA		12' Picea glauca - White Spruce .....	400.20	
32 93 43 00-0883	EA		4' Picea glauca densata - Black Hills Spruce .....	80.04	
32 93 43 00-0884	EA		5' Picea glauca densata - Black Hills Spruce .....	120.06	
32 93 43 00-0885	EA		6' Picea glauca densata - Black Hills Spruce .....	180.09	
32 93 43 00-0886	EA		7' Picea glauca densata - Black Hills Spruce .....	213.44	
32 93 43 00-0887	EA		8' Picea glauca densata - Black Hills Spruce .....	246.79	
32 93 43 00-0888	EA		9' Picea glauca densata - Black Hills Spruce .....	273.47	
32 93 43 00-0889	EA		10' Picea glauca densata - Black Hills Spruce .....	300.15	
32 93 43 00-0890	EA		6' Picea omorika & cvs - Serbian Spruce .....	180.09	
32 93 43 00-0891	EA		7' Picea omorika & cvs - Serbian Spruce .....	200.10	
32 93 43 00-0892	EA		8' Picea omorika & cvs - Serbian Spruce .....	240.12	
32 93 43 00-0893	EA		9' Picea omorika & cvs - Serbian Spruce .....	280.14	
32 93 43 00-0894	EA		10' Picea omorika & cvs - Serbian Spruce .....	320.16	
32 93 43 00-0895	EA		5' Picea pungens - Colorado Green Spruce .....	146.74	
32 93 43 00-0896	EA		6' Picea pungens - Colorado Green Spruce .....	186.76	
32 93 43 00-0897	EA		7' Picea pungens - Colorado Green Spruce .....	220.11	
32 93 43 00-0898	EA		8' Picea pungens - Colorado Green Spruce .....	253.46	
32 93 43 00-0899	EA		9' Picea pungens - Colorado Green Spruce .....	293.48	
32 93 43 00-0900	EA		10' Picea pungens - Colorado Green Spruce .....	553.61	
32 93 43 00-0901	EA		12' Picea pungens - Colorado Green Spruce .....	400.20	
32 93 43 00-0902	EA		14' Picea pungens - Colorado Green Spruce .....	466.90	
32 93 43 00-0903	EA		16' Picea pungens - Colorado Green Spruce .....	600.30	
32 93 43 00-0904	EA		5' Picea pungens glauca & cvs - Colorado Blue Spruce .....	146.74	
32 93 43 00-0905	EA		6' Picea pungens glauca & cvs - Colorado Blue Spruce .....	200.10	
32 93 43 00-0906	EA		7' Picea pungens glauca & cvs - Colorado Blue Spruce .....	233.45	
32 93 43 00-0907	EA		8' Picea pungens glauca & cvs - Colorado Blue Spruce .....	266.80	
32 93 43 00-0908	EA		9' Picea pungens glauca & cvs - Colorado Blue Spruce .....	300.15	
32 93 43 00-0909	EA		10' Picea pungens glauca & cvs - Colorado Blue Spruce .....	366.85	
32 93 43 00-0910	EA		12' Picea pungens glauca & cvs - Colorado Blue Spruce .....	466.90	
32 93 43 00-0911	EA		16' Picea pungens glauca & cvs - Colorado Blue Spruce .....	700.35	
32 93 43 00-0912	EA		2' Pinus strobus - Pyramidal White Pine .....	18.47	
32 93 43 00-0913	EA		3' Pinus strobus - Pyramidal White Pine .....	24.68	
32 93 43 00-0914	EA		4' Pinus strobus - Pyramidal White Pine .....	27.23	
32 93 43 00-0915	EA		5' Pinus strobus - Pyramidal White Pine .....	29.78	
32 93 43 00-0916	EA		6' Pinus strobus - Pyramidal White Pine .....	37.10	
32 93 43 00-0917	EA		7' Pinus strobus - Pyramidal White Pine .....	49.36	
32 93 43 00-0918	EA		8' Pinus strobus - Pyramidal White Pine .....	67.84	
32 93 43 00-0919	EA		10' Pinus strobus - Pyramidal White Pine .....	135.35	
32 93 43 00-0920	EA		12' Pinus strobus - Pyramidal White Pine .....	321.66	



**32 Exterior Improvements****32 90 Planting****32 93 Plants**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

32 93 43 00-0921	EA	14' Pinus strobus - Pyramidal White Pine	431.54	
32 93 43 00-0922	EA	16' Pinus strobus - Pyramidal White Pine	519.12	
32 93 43 00-0923	EA	2' Pinus strobus - White Pine	28.38	
32 93 43 00-0924	EA	3' Pinus strobus - White Pine	40.50	
32 93 43 00-0925	EA	4' Pinus strobus - White Pine	64.59	
32 93 43 00-0926	EA	5' Pinus strobus - White Pine	92.05	
32 93 43 00-0927	EA	6' Pinus strobus - White Pine	135.00	
32 93 43 00-0928	EA	7' Pinus strobus - White Pine	161.08	
32 93 43 00-0929	EA	8' Pinus strobus - White Pine	217.84	
32 93 43 00-0930	EA	10' Pinus strobus - White Pine	293.01	
32 93 43 00-0931	EA	12' Pinus strobus - White Pine	388.13	
32 93 43 00-0932	EA	14' Pinus strobus - White Pine	475.57	
32 93 43 00-0933	EA	16' Pinus strobus - White Pine	578.36	
32 93 43 00-0934	EA	3' Pinus sylvestris - Scotch Pine	43.82	
32 93 43 00-0935	EA	4' Pinus sylvestris - Scotch Pine	60.83	
32 93 43 00-0936	EA	5' Pinus sylvestris - Scotch Pine	85.38	
32 93 43 00-0937	EA	6' Pinus sylvestris - Scotch Pine	118.46	
32 93 43 00-0938	EA	7' Pinus sylvestris - Scotch Pine	145.14	
32 93 43 00-0939	EA	8' Pinus sylvestris - Scotch Pine	204.90	
32 93 43 00-0940	EA	9' Pinus sylvestris - Scotch Pine	260.13	
32 93 43 00-0941	EA	10' Pinus sylvestris - Scotch Pine	300.15	
32 93 43 00-0942	EA	12' Pinus sylvestris - Scotch Pine	353.51	
32 93 43 00-0943	EA	14' Pinus sylvestris - Scotch Pine	400.20	
32 93 43 00-0944	EA	16' Pinus sylvestris - Scotch Pine	466.90	
32 93 43 00-0945	EA	5' To 6' Pinus taeda - Loblolly Pine	19.07	
32 93 43 00-0946	EA	1 Gallon Pinus thunbergiana - Japanese Black Pine	4.72	
32 93 43 00-0947	EA	5 Gallon Pinus thunbergiana - Japanese Black Pine	16.75	
32 93 43 00-0948	EA	15 Gallon Pinus thunbergiana - Japanese Black Pine	54.27	
32 93 43 00-0949	EA	2' To 3' Pinus thunbergiana - Japanese Black Pine	22.97	
32 93 43 00-0950	EA	3' To 4' Pinus thunbergiana - Japanese Black Pine	29.19	
32 93 43 00-0951	EA	4' To 5' Pinus thunbergiana - Japanese Black Pine	43.84	
32 93 43 00-0952	EA	5' To 6' Pinus thunbergiana - Japanese Black Pine	85.57	
32 93 43 00-0953	EA	6' To 7' Pinus Thunbergiana - Japanese Black Pine	96.01	
32 93 43 00-0954	EA	7' To 8' Pinus thunbergiana - Japanese Black Pine	119.98	
32 93 43 00-0955	EA	4' Pinus cembra - Swiss Stone Pine	113.39	
32 93 43 00-0956	EA	5' Pinus cembra - Swiss Stone Pine	140.07	
32 93 43 00-0957	EA	6' Pinus cembra - Swiss Stone Pine	173.42	
32 93 43 00-0958	EA	6' Pinus flexilis & cvs - Limber Pine	166.75	
32 93 43 00-0959	EA	7' Pinus flexilis & cvs - Limber Pine	193.43	
32 93 43 00-0960	EA	8' Pinus flexilis & cvs - Limber Pine	240.12	
32 93 43 00-0961	EA	9' Pinus flexilis & cvs - Limber Pine	293.48	
32 93 43 00-0962	EA	10' Pinus flexilis & cvs - Limber Pine	333.50	
32 93 43 00-0963	EA	1 Gallon Pinus mugo - Mugho Pine	6.22	
32 93 43 00-0964	EA	2 Gallon Pinus mugo - Mugho Pine	13.14	
32 93 43 00-0965	EA	3 Gallon Pinus mugo - Mugho Pine	16.45	
32 93 43 00-0966	EA	5 Gallon Pinus mugo - Mugho Pine	20.87	
32 93 43 00-0967	EA	12" To 15" Spread Pinus mugo - Mugho Pine	16.15	
32 93 43 00-0968	EA	15" To 18" Spread Pinus mugo - Mugho Pine	19.26	
32 93 43 00-0969	EA	18" To 24" Spread Pinus mugo - Mugho Pine	26.08	
32 93 43 00-0970	EA	2' To 2-1/2' Spread Pinus mugo - Mugho Pine	36.52	
32 93 43 00-0971	EA	2-1/2' To 3' Spread Pinus mugo - Mugho Pine	46.95	
32 93 43 00-0972	EA	3' To 3-1/2' Spread Pinus mugo - Mugho Pine	58.49	
32 93 43 00-0973	EA	3-1/2' To 4' Spread Pinus mugo - Mugho Pine	71.03	
32 93 43 00-0974	EA	6' Pinus nigra - Austrian Pine	166.75	
32 93 43 00-0975	EA	7' Pinus nigra - Austrian Pine	200.10	
32 93 43 00-0976	EA	8' Pinus nigra - Austrian Pine	260.13	
32 93 43 00-0977	EA	9' Pinus nigra - Austrian Pine	300.15	
32 93 43 00-0978	EA	10' Pinus nigra - Austrian Pine	353.51	
32 93 43 00-0979	EA	12' Pinus nigra - Austrian Pine	400.20	
32 93 43 00-0980	EA	14' Pinus nigra - Austrian Pine	446.89	
32 93 43 00-0981	EA	16' Pinus nigra - Austrian Pine	506.92	
32 93 43 00-0982	EA	5' Pinus peuce - Macedonian Pine	206.77	
32 93 43 00-0983	EA	6' Pinus peuce - Macedonian Pine	260.13	
32 93 43 00-0984	EA	7' Pinus peuce - Macedonian Pine	300.15	
32 93 43 00-0985	EA	8' Pinus peuce - Macedonian Pine	340.17	
32 93 43 00-0986	EA	9' Pinus peuce - Macedonian Pine	393.53	
32 93 43 00-0987	EA	1 Gallon Podocarpus - Chinese Podocarpus	3.11	
32 93 43 00-0988	EA	3 Gallon Podocarpus - Chinese Podocarpus	7.22	
32 93 43 00-0989	EA	7 Gallon Podocarpus - Chinese Podocarpus	20.87	
32 93 43 00-0990	EA	15 Gallon Podocarpus - Chinese Podocarpus	33.91	
32 93 43 00-0991	EA	4' To 5' Podocarpus - Chinese Podocarpus	52.17	
32 93 43 00-0992	EA	5' Pseudotsuga menziesii - Douglas Fir	133.40	
32 93 43 00-0993	EA	6' Pseudotsuga menziesii - Douglas Fir	160.08	
32 93 43 00-0994	EA	7' Pseudotsuga menziesii - Douglas Fir	200.10	
32 93 43 00-0995	EA	8' Pseudotsuga menziesii - Douglas Fir	240.12	
32 93 43 00-0996	EA	9' Pseudotsuga menziesii - Douglas Fir	300.15	
32 93 43 00-0997	EA	10' Pseudotsuga menziesii - Douglas Fir	353.51	
32 93 43 00-0998	EA	12' Pseudotsuga menziesii - Douglas Fir	400.20	
32 93 43 00-0999	EA	5' To 6' Sequoia sempervirens - Dawn Redwood	65.21	
32 93 43 00-1000	EA	6' To 8' Sequoia sempervirens - Dawn Redwood	88.03	
32 93 43 00-1001	EA	8' To 10' Sequoia sempervirens - Dawn Redwood	107.60	
32 93 43 00-1002	EA	3' To 4' Thuja occidentalis 'Wareana' - Siberian Arborvitae	12.57	
32 93 43 00-1003	EA	5' To 6' Taxodium distichum & cvs - Bald Cypress	46.35	
32 93 43 00-1004	EA	6' To 7' Taxodium distichum & cvs - Bald Cypress	57.94	
32 93 43 00-1005	EA	7' To 8' Taxodium distichum & cvs - Bald Cypress	71.63	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 43 00-1006	EA		8' To 10' Taxodium distichum & cvs - Bald Cypress .....	90.64	
32 93 43 00-1007	EA		6' Tsuga canadensis - Northern Hemlock .....	133.40	
32 93 43 00-1008	EA		7' Tsuga canadensis - Northern Hemlock .....	166.75	
32 93 43 00-1009	EA		8' Tsuga canadensis - Northern Hemlock .....	226.78	
32 93 43 00-1010	EA		9' Tsuga canadensis - Northern Hemlock .....	266.80	
32 93 43 00-1011	EA		10' Tsuga canadensis - Northern Hemlock .....	300.15	
32 93 43 00-1012	EA		12' Tsuga canadensis - Northern Hemlock .....	333.50	
32 93 43 00-1013	EA		3' To 4' Thuja occidentalis 'Woodwardii' - Woodward Arborvitae .....	23.54	

**32 93 83 Planting of Trees, Shrubs and Ground Cover (32 93)**

Note: Includes moving plant(s) from truck or staging site to planting site, excavation of hole, placing plant in hole, backfill and compaction. Use appropriate gallon, height or caliper size to match with description from plant section.

**32 93 83 00-0001 Planting Trees (32 93 83)**

Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.

32 93 83 00-0002	EA		3" To 5" Bare Root Seedlings Tree Planting .....	1.93	
32 93 83 00-0003	EA		6" To 10" Bare Root Seedlings Tree Planting .....	3.08	
32 93 83 00-0004	EA		11" To 16" Bare Root Seedlings Tree Planting .....	3.85	
32 93 83 00-0005	EA		17" To 24" Bare Root Seedlings Tree Planting .....	6.16	
32 93 83 00-0006	EA		1 Gallon Container Tree Planting .....	30.82	
			For >10 To 25, Deduct	-1.54	
			For >25 To 50, Deduct	-3.85	
			For >50 To 100, Deduct	-6.16	
			For >100, Deduct	-9.25	
32 93 83 00-0007	EA		2 Gallon Container Tree Planting .....	43.15	
			For >10 To 25, Deduct	-2.16	
			For >25 To 50, Deduct	-5.39	
			For >50 To 100, Deduct	-8.63	
			For >100, Deduct	-12.95	
32 93 83 00-0008	EA		3 Gallon Container Tree Planting .....	55.48	
			For >10 To 25, Deduct	-2.77	
			For >25 To 50, Deduct	-6.94	
			For >50 To 100, Deduct	-11.10	
			For >100, Deduct	-16.64	
32 93 83 00-0009	EA		5 Gallon Container Tree Planting .....	92.46	
			For >10 To 25, Deduct	-4.62	
			For >25 To 50, Deduct	-11.56	
			For >50 To 100, Deduct	-18.49	
			For >100, Deduct	-27.74	
32 93 83 00-0010	EA		7 Gallon Container Tree Planting .....	123.28	
			For >10 To 25, Deduct	-6.16	
			For >25 To 50, Deduct	-15.41	
			For >50 To 100, Deduct	-24.66	
			For >100, Deduct	-36.98	
32 93 83 00-0011	EA		10 Gallon Container Tree Planting .....	160.27	
			For >10 To 25, Deduct	-8.01	
			For >25 To 50, Deduct	-20.03	
			For >50 To 100, Deduct	-32.05	
			For >100, Deduct	-48.08	
32 93 83 00-0012	EA		15 Gallon Container Tree Planting .....	228.07	
			For >10 To 25, Deduct	-11.40	
			For >25 To 50, Deduct	-28.51	
			For >50 To 100, Deduct	-45.61	
			For >100, Deduct	-68.42	
32 93 83 00-0013	EA		20 Gallon Container Tree Planting .....	376.02	
			For >10 To 25, Deduct	-18.80	
			For >25 To 50, Deduct	-47.00	
			For >50 To 100, Deduct	-75.20	
			For >100, Deduct	-112.81	
32 93 83 00-0014	EA		25 Gallon Container Tree Planting .....	486.97	
			For >10 To 25, Deduct	-24.35	
			For >25 To 50, Deduct	-60.87	
			For >50 To 100, Deduct	-97.39	
			For >100, Deduct	-146.09	
32 93 83 00-0015	EA		30 Gallon Container Tree Planting .....	585.60	
			For >10 To 25, Deduct	-29.28	
			For >25 To 50, Deduct	-73.20	
			For >50 To 100, Deduct	-117.12	
			For >100, Deduct	-175.68	
32 93 83 00-0016	EA		45 Gallon Container Tree Planting .....	727.38	
			For >10 To 25, Deduct	-36.37	
			For >25 To 50, Deduct	-90.92	
			For >50 To 100, Deduct	-145.48	
			For >100, Deduct	-218.21	
32 93 83 00-0017	EA		65 Gallon Container Tree Planting .....	862.99	
			For >10 To 25, Deduct	-43.15	
			For >25 To 50, Deduct	-107.87	
			For >50 To 100, Deduct	-172.60	
			For >100, Deduct	-258.90	
32 93 83 00-0018	EA		6' Balled And Burlapped Tree Planting .....	308.21	
			For >10 To 25, Deduct	-15.41	
			For >25 To 50, Deduct	-38.53	
			For >50 To 100, Deduct	-61.64	
			For >100, Deduct	-92.46	
32 93 83 00-0019	EA		7' Balled And Burlapped Tree Planting .....	410.54	
			For >10 To 25, Deduct	-20.53	
			For >25 To 50, Deduct	-51.32	
			For >50 To 100, Deduct	-82.11	
			For >100, Deduct	-123.16	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 93 83 00-0020	EA 8' Balled And Burlapped Tree Planting .....	462.32	
	For>10 To 25, Deduct	-23.12	
	For>25 To 50, Deduct	-57.79	
	For>50 To 100, Deduct	-92.46	
	For>100, Deduct	-138.70	
32 93 83 00-0021	EA 10' Balled And Burlapped Tree Planting .....	539.37	
	For>10 To 25, Deduct	-26.97	
	For>25 To 50, Deduct	-67.42	
	For>50 To 100, Deduct	-107.87	
	For>100, Deduct	-161.81	
32 93 83 00-0022	EA 12' Balled And Burlapped Tree Planting .....	721.22	
	For>10 To 25, Deduct	-36.06	
	For>25 To 50, Deduct	-90.15	
	For>50 To 100, Deduct	-144.24	
	For>100, Deduct	-216.37	
32 93 83 00-0023	EA 14' Balled And Burlapped Tree Planting .....	826.01	
	For>10 To 25, Deduct	-41.30	
	For>25 To 50, Deduct	-103.25	
	For>50 To 100, Deduct	-165.20	
	For>100, Deduct	-247.80	
32 93 83 00-0024	EA 16' Balled And Burlapped Tree Planting .....	1,001.69	
	For>10 To 25, Deduct	-50.08	
	For>25 To 50, Deduct	-125.21	
	For>50 To 100, Deduct	-200.34	
	For>100, Deduct	-300.51	
32 93 83 00-0025	EA 18' Balled And Burlapped Tree Planting .....	1,202.03	
	For>10 To 25, Deduct	-60.10	
	For>25 To 50, Deduct	-150.25	
	For>50 To 100, Deduct	-240.41	
	For>100, Deduct	-360.61	
32 93 83 00-0026	EA 20' Balled And Burlapped Tree Planting .....	1,386.96	
	For>10 To 25, Deduct	-69.35	
	For>25 To 50, Deduct	-173.37	
	For>50 To 100, Deduct	-277.39	
	For>100, Deduct	-416.09	
32 93 83 00-0027	EA 1-1/2" Caliper Balled And Burlapped Tree Planting .....	462.32	
	For>10 To 25, Deduct	-23.12	
	For>25 To 50, Deduct	-57.79	
	For>50 To 100, Deduct	-92.46	
	For>100, Deduct	-138.70	
32 93 83 00-0028	EA 2" Caliper Balled And Burlapped Tree Planting .....	539.37	
	For>10 To 25, Deduct	-26.97	
	For>25 To 50, Deduct	-67.42	
	For>50 To 100, Deduct	-107.87	
	For>100, Deduct	-161.81	
32 93 83 00-0029	EA 2-1/2" Caliper Balled And Burlapped Tree Planting .....	724.30	
	For>10 To 25, Deduct	-36.22	
	For>25 To 50, Deduct	-90.54	
	For>50 To 100, Deduct	-144.86	
	For>100, Deduct	-217.29	
32 93 83 00-0030	EA 3" Caliper Balled And Burlapped Tree Planting .....	832.17	
	For>10 To 25, Deduct	-41.61	
	For>25 To 50, Deduct	-104.02	
	For>50 To 100, Deduct	-166.43	
	For>100, Deduct	-249.65	
32 93 83 00-0031	EA 3-1/2" Caliper Balled And Burlapped Tree Planting .....	924.64	
	For>10 To 25, Deduct	-46.23	
	For>25 To 50, Deduct	-115.58	
	For>50 To 100, Deduct	-184.93	
	For>100, Deduct	-277.39	
32 93 83 00-0032	EA 4" Caliper Balled And Burlapped Tree Planting .....	1,060.25	
	For>10 To 25, Deduct	-53.01	
	For>25 To 50, Deduct	-132.53	
	For>50 To 100, Deduct	-212.05	
	For>100, Deduct	-318.08	
<b>32 93 83 00-0033</b>	<b>Planting Shrubs <small>(32 93 83)</small></b>		
	Note: Excludes mulch. See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0034	EA 1 Gallon Container Shrub Planting .....	26.21	
	For>10 To 25, Deduct	-1.31	
	For>25 To 50, Deduct	-3.28	
	For>50 To 100, Deduct	-5.24	
	For>100, Deduct	-7.86	
32 93 83 00-0035	EA 2 Gallon Container Shrub Planting .....	36.98	
	For>10 To 25, Deduct	-1.85	
	For>25 To 50, Deduct	-4.62	
	For>50 To 100, Deduct	-7.40	
	For>100, Deduct	-11.09	
32 93 83 00-0036	EA 3 Gallon Container Shrub Planting .....	46.23	
	For>10 To 25, Deduct	-2.31	
	For>25 To 50, Deduct	-5.78	
	For>50 To 100, Deduct	-9.25	
	For>100, Deduct	-13.87	
32 93 83 00-0037	EA 4 Gallon Container Shrub Planting .....	61.65	
	For>10 To 25, Deduct	-3.08	
	For>25 To 50, Deduct	-7.71	
	For>50 To 100, Deduct	-12.33	
	For>100, Deduct	-18.50	

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
32 93 83 00-0038	EA 5 Gallon Container Shrub Planting .....	77.05	
	For >10 To 25, Deduct	-3.85	
	For >25 To 50, Deduct	-9.63	
	For >50 To 100, Deduct	-15.41	
	For >100, Deduct	-23.12	
32 93 83 00-0039	EA 7 Gallon Container Shrub Planting .....	104.79	
	For >10 To 25, Deduct	-5.24	
	For >25 To 50, Deduct	-13.10	
	For >50 To 100, Deduct	-20.96	
	For >100, Deduct	-31.44	
32 93 83 00-0040	EA 10 Gallon Container Shrub Planting .....	138.69	
	For >10 To 25, Deduct	-6.93	
	For >25 To 50, Deduct	-17.34	
	For >50 To 100, Deduct	-27.74	
	For >100, Deduct	-41.61	
32 93 83 00-0041	EA 15 Gallon Container Shrub Planting .....	191.09	
	For >10 To 25, Deduct	-9.55	
	For >25 To 50, Deduct	-23.89	
	For >50 To 100, Deduct	-38.22	
	For >100, Deduct	-57.33	
32 93 83 00-0042	EA 20 Gallon Container Shrub Planting .....	320.54	
	For >10 To 25, Deduct	-16.03	
	For >25 To 50, Deduct	-40.07	
	For >50 To 100, Deduct	-64.11	
	For >100, Deduct	-96.16	
32 93 83 00-0043	EA 25 Gallon Container Shrub Planting .....	410.54	
	For >10 To 25, Deduct	-20.53	
	For >25 To 50, Deduct	-51.32	
	For >50 To 100, Deduct	-82.11	
	For >100, Deduct	-123.16	
32 93 83 00-0044	EA 15" Balled And Burlapped Shrub Planting .....	86.30	
	For >10 To 25, Deduct	-4.32	
	For >25 To 50, Deduct	-10.79	
	For >50 To 100, Deduct	-17.26	
	For >100, Deduct	-25.89	
32 93 83 00-0045	EA 18" Balled And Burlapped Shrub Planting .....	89.38	
	For >10 To 25, Deduct	-4.47	
	For >25 To 50, Deduct	-11.17	
	For >50 To 100, Deduct	-17.88	
	For >100, Deduct	-26.81	
32 93 83 00-0046	EA 24" Balled And Burlapped Shrub Planting .....	98.63	
	For >10 To 25, Deduct	-4.93	
	For >25 To 50, Deduct	-12.33	
	For >50 To 100, Deduct	-19.73	
	For >100, Deduct	-29.59	
32 93 83 00-0047	EA 30" Balled And Burlapped Shrub Planting .....	98.63	
	For >10 To 25, Deduct	-4.93	
	For >25 To 50, Deduct	-12.33	
	For >50 To 100, Deduct	-19.73	
	For >100, Deduct	-29.59	
32 93 83 00-0048	EA 36" Balled And Burlapped Shrub Planting .....	107.87	
	For >10 To 25, Deduct	-5.39	
	For >25 To 50, Deduct	-13.48	
	For >50 To 100, Deduct	-21.57	
	For >100, Deduct	-32.36	
32 93 83 00-0049	EA 42" Balled And Burlapped Shrub Planting .....	114.04	
	For >10 To 25, Deduct	-5.70	
	For >25 To 50, Deduct	-14.26	
	For >50 To 100, Deduct	-22.81	
	For >100, Deduct	-34.21	
32 93 83 00-0050	EA 48" Balled And Burlapped Shrub Planting .....	123.28	
	For >10 To 25, Deduct	-6.16	
	For >25 To 50, Deduct	-15.41	
	For >50 To 100, Deduct	-24.66	
	For >100, Deduct	-36.98	
32 93 83 00-0051	EA 5' Balled And Burlapped Shrub Planting .....	184.93	
	For >10 To 25, Deduct	-9.25	
	For >25 To 50, Deduct	-23.12	
	For >50 To 100, Deduct	-36.99	
	For >100, Deduct	-55.48	
32 93 83 00-0052	EA 6' Balled And Burlapped Shrub Planting .....	261.98	
	For >10 To 25, Deduct	-13.10	
	For >25 To 50, Deduct	-32.75	
	For >50 To 100, Deduct	-52.40	
	For >100, Deduct	-78.59	
32 93 83 00-0053	EA 7' Balled And Burlapped Shrub Planting .....	348.28	
	For >10 To 25, Deduct	-17.41	
	For >25 To 50, Deduct	-43.54	
	For >50 To 100, Deduct	-69.66	
	For >100, Deduct	-104.48	
32 93 83 00-0054	EA 8' Balled And Burlapped Shrub Planting .....	394.51	
	For >10 To 25, Deduct	-19.73	
	For >25 To 50, Deduct	-49.31	
	For >50 To 100, Deduct	-78.90	
	For >100, Deduct	-118.35	
32 93 83 00-0055	EA 9' Balled And Burlapped Shrub Planting .....	425.33	
	For >10 To 25, Deduct	-21.27	
	For >25 To 50, Deduct	-53.17	
	For >50 To 100, Deduct	-85.07	
	For >100, Deduct	-127.60	

**32 Exterior Improvements****32 90 Planting****32 93 Plants**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
32 93 83 00-0056	EA		10' Balled And Burlapped Shrub Planting .....	462.32	
			<i>For &gt;10 To 25, Deduct</i>	-23.12	
			<i>For &gt;25 To 50, Deduct</i>	-57.79	
			<i>For &gt;50 To 100, Deduct</i>	-92.46	
			<i>For &gt;100, Deduct</i>	-138.70	
<b>32 93 83 00-0057</b>			<b>Planting Groundcover, Vines, Perennials, Annuals And Bulbs (32 93 83)</b>		
			See CSI section 32 91 13 16-0001 for mulch.		
32 93 83 00-0058	EA		2-1/4" Diameter Potted Groundcover And Flower Planting .....	2.57	
			<i>For &gt;10 To 25, Deduct</i>	-0.13	
			<i>For &gt;25 To 50, Deduct</i>	-0.32	
			<i>For &gt;50 To 100, Deduct</i>	-0.51	
			<i>For &gt;100, Deduct</i>	-0.77	
32 93 83 00-0059	EA		3" Diameter Potted Groundcover And Flower Planting .....	2.93	
			<i>For &gt;10 To 25, Deduct</i>	-0.15	
			<i>For &gt;25 To 50, Deduct</i>	-0.37	
			<i>For &gt;50 To 100, Deduct</i>	-0.59	
			<i>For &gt;100, Deduct</i>	-0.88	
32 93 83 00-0060	EA		4" Diameter Potted Groundcover And Flower Planting .....	3.42	
			<i>For &gt;10 To 25, Deduct</i>	-0.17	
			<i>For &gt;25 To 50, Deduct</i>	-0.43	
			<i>For &gt;50 To 100, Deduct</i>	-0.68	
			<i>For &gt;100, Deduct</i>	-1.03	
32 93 83 00-0061	EA		5-1/2" Diameter Potted Groundcover And Flower Planting .....	4.11	
			<i>For &gt;10 To 25, Deduct</i>	-0.21	
			<i>For &gt;25 To 50, Deduct</i>	-0.51	
			<i>For &gt;50 To 100, Deduct</i>	-0.82	
			<i>For &gt;100, Deduct</i>	-1.23	
32 93 83 00-0062	EA		6" Diameter Potted Groundcover And Flower Planting .....	5.14	
			<i>For &gt;10 To 25, Deduct</i>	-0.26	
			<i>For &gt;25 To 50, Deduct</i>	-0.64	
			<i>For &gt;50 To 100, Deduct</i>	-1.03	
			<i>For &gt;100, Deduct</i>	-1.54	
32 93 83 00-0063	EA		8" Diameter Potted Groundcover And Flower Planting .....	7.71	
			<i>For &gt;10 To 25, Deduct</i>	-0.39	
			<i>For &gt;25 To 50, Deduct</i>	-0.96	
			<i>For &gt;50 To 100, Deduct</i>	-1.54	
			<i>For &gt;100, Deduct</i>	-2.31	
32 93 83 00-0064	EA		1 Gallon Container Groundcover And Flower Planting .....	24.65	
			<i>For &gt;10 To 25, Deduct</i>	-1.23	
			<i>For &gt;25 To 50, Deduct</i>	-3.08	
			<i>For &gt;50 To 100, Deduct</i>	-4.93	
			<i>For &gt;100, Deduct</i>	-7.40	
32 93 83 00-0065	EA		2 Gallon Container Groundcover And Flower Planting .....	33.90	
			<i>For &gt;10 To 25, Deduct</i>	-1.70	
			<i>For &gt;25 To 50, Deduct</i>	-4.24	
			<i>For &gt;50 To 100, Deduct</i>	-6.78	
			<i>For &gt;100, Deduct</i>	-10.17	
32 93 83 00-0066	EA		3 Gallon Container Groundcover And Flower Planting .....	43.15	
			<i>For &gt;10 To 25, Deduct</i>	-2.16	
			<i>For &gt;25 To 50, Deduct</i>	-5.39	
			<i>For &gt;50 To 100, Deduct</i>	-8.63	
			<i>For &gt;100, Deduct</i>	-12.95	
32 93 83 00-0067	EA		4 Gallon Container Groundcover And Flower Planting .....	55.48	
			<i>For &gt;10 To 25, Deduct</i>	-2.77	
			<i>For &gt;25 To 50, Deduct</i>	-6.94	
			<i>For &gt;50 To 100, Deduct</i>	-11.10	
			<i>For &gt;100, Deduct</i>	-16.64	
32 93 83 00-0068	EA		5 Gallon Container Groundcover And Flower Planting .....	67.81	
			<i>For &gt;10 To 25, Deduct</i>	-3.39	
			<i>For &gt;25 To 50, Deduct</i>	-8.48	
			<i>For &gt;50 To 100, Deduct</i>	-13.56	
			<i>For &gt;100, Deduct</i>	-20.34	
32 93 83 00-0069	EA		7 Gallon Container Groundcover And Flower Planting .....	92.46	
			<i>For &gt;10 To 25, Deduct</i>	-4.62	
			<i>For &gt;25 To 50, Deduct</i>	-11.56	
			<i>For &gt;50 To 100, Deduct</i>	-18.49	
			<i>For &gt;100, Deduct</i>	-27.74	
32 93 83 00-0070	EA		Bulb Planting .....	1.55	
			<i>For &gt;10 To 25, Deduct</i>	-0.08	
			<i>For &gt;25 To 50, Deduct</i>	-0.19	
			<i>For &gt;50 To 100, Deduct</i>	-0.31	
			<i>For &gt;100, Deduct</i>	-0.47	
32 93 83 00-0071	EA		Flats Of 24 Groundcover And Flower Planting .....	43.15	
			<i>For &gt;10 To 25, Deduct</i>	-2.16	
			<i>For &gt;25, Deduct</i>	-5.39	
32 93 83 00-0072	EA		Flats Of 36 Groundcover And Flower Planting .....	61.21	
			<i>For &gt;10 To 25, Deduct</i>	-3.06	
			<i>For &gt;25, Deduct</i>	-7.65	
32 93 83 00-0073	EA		Flats Of 48 Groundcover And Flower Planting .....	81.48	
			<i>For &gt;10 To 25, Deduct</i>	-4.07	
			<i>For &gt;25, Deduct</i>	-10.19	

**32 93 83 00-0074 Tree Pits (32 93 83)**

Note: Costs given show the tree pit size accommodates the soil ball and the type of soil excavated includes excavation, bank run sand and gravel fill for drainage, imported mix planting soil, hand backfill, perforated drainage pipe for watering, and drainage fabric. Includes one layer of woven fabric to be applied before mulch is spread. Excludes additional soil conditioners or mulch.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 93 83 00-0075	EA	2'	2' x 1-1/4' Deep Tree Pit .....	151.47	
32 93 83 00-0076	EA	2'	2' x 2-1/2' Deep Tree Pit .....	227.16	
32 93 83 00-0077	EA	2-1/2'	2-1/2' x 1-1/2' Deep Tree Pit .....	294.18	
32 93 83 00-0078	EA	2-1/2'	2-1/2' x 3' Deep Tree Pit .....	441.19	
32 93 83 00-0079	EA	3'	3' x 1-3/4' Deep Tree Pit .....	452.65	
32 93 83 00-0080	EA	3'	3' x 3-1/2' Deep Tree Pit .....	675.27	
32 93 83 00-0081	EA	3-1/2'	3-1/2' x 1-3/4' Deep Tree Pit .....	553.83	
32 93 83 00-0082	EA	3-1/2'	3-1/2' x 3-1/2' Deep Tree Pit .....	829.52	
32 93 83 00-0083	EA	4'	4' x 2' Deep Tree Pit .....	661.66	
32 93 83 00-0084	EA	4'	4' x 4' Deep Tree Pit .....	991.92	
32 93 83 00-0085	EA	4-1/2'	4-1/2' x 2' Deep Tree Pit .....	951.03	
32 93 83 00-0086	EA	4-1/2'	4-1/2' x 4' Deep Tree Pit .....	1,429.52	
32 93 83 00-0087	EA	5'	5' x 2-1/4' Deep Tree Pit .....	1,265.02	
32 93 83 00-0088	EA	5'	5' x 4-1/2' Deep Tree Pit .....	1,883.46	
32 93 83 00-0089	EA	6'	6' x 2-1/2' Deep Tree Pit .....	1,794.09	
32 93 83 00-0090	EA	6'	6' x 5' Deep Tree Pit .....	2,686.92	
32 93 83 00-0091	EA	7'	7' x 3' Deep Tree Pit .....	3,021.49	
32 93 83 00-0092	EA	7'	7' x 6' Deep Tree Pit .....	4,557.87	
32 93 83 00-0093	EA	8'	8' x 3-1/4' Deep Tree Pit .....	4,150.84	
32 93 83 00-0094	EA	8'	8' x 6-1/2' Deep Tree Pit .....	6,223.45	

**32 94 Planting Accessories (32 90)**

**32 94 13 Landscape Edging (32 94)**

Note: Including stakes.

**32 94 13 00-0001 Landscape Edging (32 94 13)**

Note: Includes stakes.

32 94 13 00-0002	LF	1/8"	1/8" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	12.18	3.74
32 94 13 00-0003	LF	1/8"	1/8" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	13.15	3.74
32 94 13 00-0004	LF	1/8"	1/8" x 4", Black Anodized, Aluminum Alloy Landscape Edging .....	13.22	3.74
32 94 13 00-0005	LF	3/16"	3/16" x 4", Mill Finish, Aluminum Alloy Landscape Edging .....	14.96	3.86
32 94 13 00-0006	LF	3/16"	3/16" x 4", Black Paint, Aluminum Alloy Landscape Edging .....	16.16	3.86
32 94 13 00-0007	LF	3/16"	3/16" x 4", Black Anodized, Aluminum Alloy Landscape Edging .....	16.13	3.86
32 94 13 00-0008	LF	1/8"	1/8" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	13.56	3.99
32 94 13 00-0009	LF	1/8"	1/8" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	14.89	3.99
32 94 13 00-0010	LF	1/8"	1/8" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	15.03	3.99
32 94 13 00-0011	LF	3/16"	3/16" x 5-1/2", Mill Finish, Aluminum Alloy Landscape Edging .....	16.73	4.11
32 94 13 00-0012	LF	3/16"	3/16" x 5-1/2", Black Paint, Aluminum Alloy Landscape Edging .....	18.07	4.11
32 94 13 00-0013	LF	3/16"	3/16" x 5-1/2", Black Anodized, Aluminum Alloy Landscape Edging .....	18.18	4.11
32 94 13 00-0014	LF	3/16"	3/16" x 4" Powder Coated Steel Landscape Edging .....	14.87	3.86
32 94 13 00-0015	LF	1/4"	1/4" x 5" Powder Coated Steel Landscape Edging .....	20.15	3.86

**32 94 16 Landscape Timbers (32 94)**

32 94 16 00-0001	LF	6"	6" x 8" Railroad Ties .....	17.44	5.99
32 94 16 00-0002	LF	7"	7" x 9" Railroad Ties .....	21.10	7.52
32 94 16 00-0003	LF	4"	4" x 6" Pressure Treated Hardwood .....	11.57	4.37
32 94 16 00-0004	LF	6"	6" x 6" Pressure Treated Hardwood .....	14.93	5.46
32 94 16 00-0005	LF	6"	6" x 8" Pressure Treated Hardwood .....	17.45	6.42
32 94 16 00-0006	LF	1"	1" x 4" Pressure Treated Pine .....	4.86	2.19
32 94 16 00-0007	LF	2"	2" x 4" Pressure Treated Pine .....	7.32	3.28
32 94 16 00-0008	LF	4"	4" x 6" Pressure Treated Pine .....	11.02	4.24
32 94 16 00-0009	LF	6"	6" x 6" Pressure Treated Pine .....	14.84	5.46
32 94 16 00-0010	LF	6"	6" x 8" Pressure Treated Pine .....	18.01	6.42

**32 94 43 Tree Grates (32 94)**

**32 94 43 00-0001 Tree Grates With Frames (32 94 43)**

**32 94 43 00-0002 Round Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

32 94 43 00-0003	EA	32"	32" Diameter, 100 To 150 LB Cast Iron Tree Grate With Frame .....	1,106.65	79.13
			For >3 To 9, Deduct .....	-71.13	
			For >9, Deduct .....	-147.00	
32 94 43 00-0004	EA	36"	36" Diameter, 125 To 175 LB Cast Iron Tree Grate With Frame .....	1,279.07	79.13
			For >3 To 9, Deduct .....	-84.06	
			For >9, Deduct .....	-173.73	
32 94 43 00-0005	EA	42"	42" Diameter, 150 To 200 LB Cast Iron Tree Grate With Frame .....	1,547.36	105.50
			For >3 To 9, Deduct .....	-100.23	
			For >9, Deduct .....	-207.14	
32 94 43 00-0006	EA	48"	48" Diameter, 200 To 250 LB Cast Iron Tree Grate With Frame .....	1,922.65	105.50
			For >3 To 9, Deduct .....	-128.37	
			For >9, Deduct .....	-265.31	
32 94 43 00-0007	EA	54"	54" Diameter, 300 To 350 LB Cast Iron Tree Grate With Frame .....	2,464.82	131.87
			For >3 To 9, Deduct .....	-165.08	
			For >9, Deduct .....	-341.17	
32 94 43 00-0008	EA	60"	60" Diameter, Up To 350 LB Cast Iron Tree Grate With Frame .....	2,588.57	158.24
			For >3 To 9, Deduct .....	-170.41	
			For >9, Deduct .....	-352.17	
32 94 43 00-0009	EA	60"	60" Diameter, >350 LB Cast Iron Tree Grate With Frame .....	2,849.75	158.24
			For >3 To 9, Deduct .....	-189.99	
			For >9, Deduct .....	-392.66	
32 94 43 00-0010	EA	72"	72" Diameter, Up To 550 LB Cast Iron Tree Grate With Frame .....	3,795.62	224.18
			For >3 To 9, Deduct .....	-251.04	
			For >9, Deduct .....	-518.83	



**32 Exterior Improvements**

**32 90 Planting**

**32 94 Planting Accessories**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
32 94 43 00-0011	EA		72" Diameter, >500 To 550 LB Cast Iron Tree Grate With Frame .....	3,947.76	224.18
			<i>For &gt;3 To 9, Deduct</i>	-262.46	
			<i>For &gt;9, Deduct</i>	-542.41	
32 94 43 00-0012	EA		72" Diameter, >600 To 650 LB Cast Iron Tree Grate With Frame .....	4,074.55	224.18
			<i>For &gt;3 To 9, Deduct</i>	-271.96	
			<i>For &gt;9, Deduct</i>	-562.06	
32 94 43 00-0013	EA		72" Diameter, >650 To 700 LB Cast Iron Tree Grate With Frame .....	4,175.99	224.18
			<i>For &gt;3 To 9, Deduct</i>	-279.57	
			<i>For &gt;9, Deduct</i>	-577.78	
32 94 43 00-0014	EA		72" Diameter, >700 LB Cast Iron Tree Grate With Frame .....	4,252.06	224.18
			<i>For &gt;3 To 9, Deduct</i>	-285.28	
			<i>For &gt;9, Deduct</i>	-589.57	
32 94 43 00-0015	EA		93" Diameter, 950 To 1,000 LB Cast Iron Tree Grate With Frame .....	4,665.92	263.75
			<i>For &gt;3 To 9, Deduct</i>	-310.38	
			<i>For &gt;9, Deduct</i>	-641.46	
32 94 43 00-0016	<b>Square Cast Iron Tree Grates With Frames (32 94 43 00-0001)</b>				
32 94 43 00-0017	EA		30" x 30", 75 To 125 LB Cast Iron Tree Grate With Frame .....	1,020.42	79.13
			<i>For &gt;3 To 9, Deduct</i>	-64.66	
			<i>For &gt;9, Deduct</i>	-133.64	
32 94 43 00-0018	EA		36" x 36", 100 To 150 LB Cast Iron Tree Grate With Frame .....	1,235.97	79.13
			<i>For &gt;3 To 9, Deduct</i>	-80.83	
			<i>For &gt;9, Deduct</i>	-167.05	
32 94 43 00-0019	EA		48" x 48", Up To 200 LB Cast Iron Tree Grate With Frame .....	1,835.95	131.87
			<i>For &gt;3 To 9, Deduct</i>	-117.92	
			<i>For &gt;9, Deduct</i>	-243.69	
32 94 43 00-0020	EA		48" x 48", >200 To 250 LB Cast Iron Tree Grate With Frame .....	2,165.60	131.87
			<i>For &gt;3 To 9, Deduct</i>	-142.64	
			<i>For &gt;9, Deduct</i>	-294.79	
32 94 43 00-0021	EA		48" x 48", >250 To 300 LB Cast Iron Tree Grate With Frame .....	2,469.90	131.87
			<i>For &gt;3 To 9, Deduct</i>	-165.46	
			<i>For &gt;9, Deduct</i>	-341.95	
32 94 43 00-0022	EA		48" x 48", >300 To 350 LB Cast Iron Tree Grate With Frame .....	2,748.83	131.87
			<i>For &gt;3 To 9, Deduct</i>	-186.38	
			<i>For &gt;9, Deduct</i>	-385.19	
32 94 43 00-0023	EA		48" x 48", >350 To 400 LB Cast Iron Tree Grate With Frame .....	3,002.41	131.87
			<i>For &gt;3 To 9, Deduct</i>	-205.40	
			<i>For &gt;9, Deduct</i>	-424.49	
32 94 43 00-0024	EA		48" x 48", >400 LB Cast Iron Tree Grate With Frame .....	3,230.64	131.87
			<i>For &gt;3 To 9, Deduct</i>	-222.52	
			<i>For &gt;9, Deduct</i>	-459.87	
32 94 43 00-0025	EA		60" x 60", Up To 400 LB Cast Iron Tree Grate With Frame .....	3,107.91	184.62
			<i>For &gt;3 To 9, Deduct</i>	-205.40	
			<i>For &gt;9, Deduct</i>	-424.49	
32 94 43 00-0026	EA		60" x 60", >400 To 450 LB Cast Iron Tree Grate With Frame .....	3,336.14	184.62
			<i>For &gt;3 To 9, Deduct</i>	-222.52	
			<i>For &gt;9, Deduct</i>	-459.87	
32 94 43 00-0027	EA		60" x 60", >450 To 500 LB Cast Iron Tree Grate With Frame .....	3,539.00	184.62
			<i>For &gt;3 To 9, Deduct</i>	-237.73	
			<i>For &gt;9, Deduct</i>	-491.31	
32 94 43 00-0028	EA		60" x 60", >500 To 550 LB Cast Iron Tree Grate With Frame .....	3,716.51	184.62
			<i>For &gt;3 To 9, Deduct</i>	-251.04	
			<i>For &gt;9, Deduct</i>	-518.83	
32 94 43 00-0029	EA		60" x 60", >550 To 600 LB Cast Iron Tree Grate With Frame .....	3,868.65	184.62
			<i>For &gt;3 To 9, Deduct</i>	-262.46	
			<i>For &gt;9, Deduct</i>	-542.41	
32 94 43 00-0030	EA		60" x 60", >600 LB Cast Iron Tree Grate With Frame .....	3,995.44	184.62
			<i>For &gt;3 To 9, Deduct</i>	-271.96	
			<i>For &gt;9, Deduct</i>	-562.06	
32 94 43 00-0031	EA		72" x 72", Up To 550 LB Cast Iron Tree Grate With Frame .....	3,795.62	224.18
			<i>For &gt;3 To 9, Deduct</i>	-251.04	
			<i>For &gt;9, Deduct</i>	-518.83	
32 94 43 00-0032	EA		72" x 72", >550 To 600 LB Cast Iron Tree Grate With Frame .....	3,947.76	224.18
			<i>For &gt;3 To 9, Deduct</i>	-262.46	
			<i>For &gt;9, Deduct</i>	-542.41	
32 94 43 00-0033	EA		72" x 72", >600 To 650 LB Cast Iron Tree Grate With Frame .....	4,074.55	224.18
			<i>For &gt;3 To 9, Deduct</i>	-271.96	
			<i>For &gt;9, Deduct</i>	-562.06	
32 94 43 00-0034	EA		72" x 72", >650 To 700 LB Cast Iron Tree Grate With Frame .....	4,175.99	224.18
			<i>For &gt;3 To 9, Deduct</i>	-279.57	
			<i>For &gt;9, Deduct</i>	-577.78	
32 94 43 00-0035	EA		72" x 72", >700 To 750 LB Cast Iron Tree Grate With Frame .....	4,252.06	224.18
			<i>For &gt;3 To 9, Deduct</i>	-285.28	
			<i>For &gt;9, Deduct</i>	-589.57	
32 94 43 00-0036	EA		72" x 72", >750 To 800 LB Cast Iron Tree Grate With Frame .....	4,302.78	224.18
			<i>For &gt;3 To 9, Deduct</i>	-289.08	
			<i>For &gt;9, Deduct</i>	-597.44	
32 94 43 00-0037	EA		72" x 72", >800 To 850 LB Cast Iron Tree Grate With Frame .....	4,328.13	224.18
			<i>For &gt;3 To 9, Deduct</i>	-290.98	
			<i>For &gt;9, Deduct</i>	-601.36	
32 94 43 00-0038	EA		72" x 72", >850 LB Cast Iron Tree Grate With Frame .....	4,353.49	224.18
			<i>For &gt;3 To 9, Deduct</i>	-292.88	
			<i>For &gt;9, Deduct</i>	-605.30	

32 94 43 00-0039 **Rectangular Cast Iron Tree Grates With Frames (32 94 43 00-0001)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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32 94 43 00-0040	EA		36" x 48", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,922.65	105.50
			For >3 To 9, Deduct	-128.37	
			For >9, Deduct	-265.31	
32 94 43 00-0041	EA		36" x 60", 200 To 250 LB Cast Iron Tree Grate With Frame.....	1,960.69	105.50
			For >3 To 9, Deduct	-131.23	
			For >9, Deduct	-271.20	
32 94 43 00-0042	EA		36" x 72", 275 To 325 LB Cast Iron Tree Grate With Frame.....	2,396.36	131.87
			For >3 To 9, Deduct	-159.95	
			For >9, Deduct	-330.55	
32 94 43 00-0043	EA		48" x 72", Up To 350 LB Cast Iron Tree Grate With Frame .....	2,819.84	131.87
			For >3 To 9, Deduct	-191.71	
			For >9, Deduct	-396.19	
32 94 43 00-0044	EA		48" x 72", >350 LB Cast Iron Tree Grate With Frame.....	3,002.41	131.87
			For >3 To 9, Deduct	-205.40	
			For >9, Deduct	-424.49	
32 94 43 00-0045	EA		60" x 84", 700 To 750 LB Cast Iron Tree Grate With Frame.....	4,023.84	224.18
			For >3 To 9, Deduct	-268.16	
			For >9, Deduct	-554.20	

**32 94 49 Plant and Tree Accessories (32 94)**

32 94 49 00-0001			Tree Guying (32 94 49)		
32 94 49 00-0002			Tree Guying, Stakes (32 94 49 00-0001)		
			Note: Includes stakes, cross brace, double #12 gauge twisted wire and reinforced rubber hose tree wrap.		
32 94 49 00-0003	EA		Tree Guying Up To 2" Caliper, 2 Stakes, Guy Wire And Wrap .....	30.99	
32 94 49 00-0004	EA		Tree Guying 2" To 3" Caliper, 2 Stakes, Guy Wire And Wrap .....	57.08	
32 94 49 00-0005	EA		Tree Guying 3" To 4" Caliper, 3 Stakes, Guy Wire And Wrap .....	98.05	

32 94 49 00-0006			Tree Guying, Anchors (32 94 49 00-0001)		
			Note: Includes arrowhead anchor, cable, turnbuckles and wrap or reinforced rubber hose.		
32 94 49 00-0007	EA		Tree Guying Up To 3" Caliper, 3" Anchors And Polypropylene Flat Rope .....	127.07	
32 94 49 00-0008	EA		Tree Guying 3" To 6" Caliper, 4" Anchors And Polypropylene Flat Rope .....	171.01	
32 94 49 00-0009	EA		Tree Guying 6" To 8" Caliper, 6" Anchors And Polypropylene Flat Rope .....	217.29	
32 94 49 00-0010	EA		Tree Guying 8" And Up Caliper, 8" Anchors And Polypropylene Flat Rope.....	283.35	

32 94 49 00-0011			Tree Wrap (32 94 49)		
32 94 49 00-0012	EA		Tree Wrap, Up To 1" Caliper Applied Ground Level To First Branches Of Tree .....	9.18	
32 94 49 00-0013	EA		Tree Wrap, 1" To 2" Caliper Applied Ground Level To First Branches Of Tree .....	15.15	
32 94 49 00-0014	EA		Tree Wrap, >2" To 4" Caliper Applied Ground Level To First Branches Of Tree .....	29.78	
32 94 49 00-0015	EA		Tree Wrap, >4" To 6" Caliper Applied Ground Level To First Branches Of Tree .....	45.53	

32 94 49 00-0016			Tree Guards (32 94 49)		
32 94 49 00-0017	EA		3' Preformed Plastic Tree Guard .....	17.00	
32 94 49 00-0018	EA		2' Preformed Plastic Tree Guard .....	15.23	

32 94 49 00-0019			Stake Out Tree And Shrub Locations (32 94 49)		
			Note: When no design available.		
32 94 49 00-0020	EA		Stake Out Trees Or Shrubs .....	9.56	

32 94 49 00-0021			Root Barriers (32 94 49)		
32 94 49 00-0022	EA		12" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	14.33	
32 94 49 00-0023	EA		18" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	19.89	
32 94 49 00-0024	EA		24" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	23.39	
32 94 49 00-0025	EA		36" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	42.94	
32 94 49 00-0026	EA		48" High x 24" Long, 0.080" Polypropylene, Root Barrier Panel With Self Locking Joiner.....	58.97	

**32 96 Transplanting (32 90)**

See CSI section 32 94 49 00-0001 for guying.

**32 96 33 Shrub Transplanting (32 96)**

Note: Includes digging up, moving on site, digging new hole and replanting.

32 96 33 00-0001			Moving Shrubs On Site, Relocate (32 96 33)		
			Note: Includes digging up, moving on site, digging new hole and replanting. See CSI section 32 94 49 00-0001 for guying.		
32 96 33 00-0002	EA		Up To 18" Root Ball, Move Shrubs On Site .....	105.33	
			For >25 To 50, Deduct	-10.53	
			For >50, Deduct	-15.80	
32 96 33 00-0003	EA		>18" To 24" Root Ball, Move Shrubs On Site .....	142.51	
			For >25 To 50, Deduct	-14.25	
			For >50, Deduct	-21.38	
32 96 33 00-0004	EA		>24" To 30" Root Ball, Move Shrubs On Site .....	241.64	
			For >25 To 50, Deduct	-24.16	
			For >50, Deduct	-36.25	
32 96 33 00-0005	EA		>30" To 36" Root Ball, Move Shrubs On Site .....	371.75	
			For >25 To 50, Deduct	-37.18	
			For >50, Deduct	-55.76	

**32 Exterior Improvements****32 90 Planting****32 96 Transplanting**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**32 96 43 Tree Transplanting** (32 96)**32 96 43 00-0001 Moving Trees On Site, Relocate** (32 96 43)

Note: Includes digging up, moving on site, digging new hole and replanting. Excludes crane where necessary for trees over 20' tall. See CSI section 01 22 23 00-0736 for crane lifting equipment, 32 94 49 00-0001 for guying.

32 96 43 00-0002	EA	Up To 24" Root Ball, Move Trees On Site .....	386.44
		<i>For &gt;5 To 10, Deduct</i>	-19.32
		<i>For &gt;10 To 20, Deduct</i>	-38.64
		<i>For &gt;20, Deduct</i>	-57.97
32 96 43 00-0003	EA	>24" To 30" Root Ball, Move Trees On Site.....	529.98
		<i>For &gt;5 To 10, Deduct</i>	-26.50
		<i>For &gt;10 To 20, Deduct</i>	-53.00
		<i>For &gt;20, Deduct</i>	-79.50
32 96 43 00-0004	EA	>30" To 36" Root Ball, Move Trees On Site.....	858.76
		<i>For &gt;5 To 10, Deduct</i>	-42.94
		<i>For &gt;10 To 20, Deduct</i>	-85.88
		<i>For &gt;20, Deduct</i>	-128.81
32 96 43 00-0005	EA	>36" To 48" Root Ball, Move Trees On Site.....	1,426.86
		<i>For &gt;5 To 10, Deduct</i>	-71.34
		<i>For &gt;10 To 20, Deduct</i>	-142.69
		<i>For &gt;20, Deduct</i>	-214.03
32 96 43 00-0006	EA	>48" To 60" Root Ball, Move Trees On Site.....	2,318.64
		<i>For &gt;5 To 10, Deduct</i>	-115.93
		<i>For &gt;10 To 20, Deduct</i>	-231.86
		<i>For &gt;20, Deduct</i>	-347.80
32 96 43 00-0007	EA	>60" To 72" Root Ball, Move Trees On Site.....	2,991.79
		<i>For &gt;5 To 10, Deduct</i>	-149.59
		<i>For &gt;10 To 20, Deduct</i>	-299.18
		<i>For &gt;20, Deduct</i>	-448.77
32 96 43 00-0008	EA	>72" To 84" Root Ball, Move Trees On Site.....	3,864.40
		<i>For &gt;5 To 10, Deduct</i>	-193.22
		<i>For &gt;10 To 20, Deduct</i>	-386.44
		<i>For &gt;20, Deduct</i>	-579.66
32 96 43 00-0009	EA	>84" To 96" Root Ball, Move Trees On Site.....	4,637.29
		<i>For &gt;5 To 10, Deduct</i>	-231.86
		<i>For &gt;10 To 20, Deduct</i>	-463.73
		<i>For &gt;20, Deduct</i>	-695.59
32 96 43 00-0010	EA	>96" To 120" Root Ball, Move Trees On Site.....	5,269.65
		<i>For &gt;5 To 10, Deduct</i>	-263.48
		<i>For &gt;10 To 20, Deduct</i>	-526.97
		<i>For &gt;20, Deduct</i>	-790.45

**END OF SECTION 32**

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 33 Utilities

Note: Buried plastic pipe and conduit includes detectable tracer wire

#### 33 01 Operation and Maintenance of Utilities <sup>(33)</sup>

##### 33 01 10 Operation and Maintenance of Water Utilities <sup>(33 01)</sup>

##### 33 01 10 58 Disinfection of Water Utility Piping Systems <sup>(33 01 10)</sup>

##### 33 01 10 58-0001 Water Main Disinfection/Sterilization <sup>(33 01 10 58)</sup>

Note: Gas chlorination. Continuous or plug method.

33 01 10 58-0002	EA	Setting Up And Removing Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	1,368.85
33 01 10 58-0003	EA	Re-Set Up/Move Equipment For Water Main Disinfection/Sterilization, Gas Chlorination Method .....	684.43
33 01 10 58-0004	LF	Up To 4" Diameter Pipe Water Main Disinfection/Sterilization .....	0.51
		<i>For &gt;250 To 500, Deduct</i>	-0.03
		<i>For &gt;500 To 1,000, Deduct</i>	-0.05
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.08
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.10
		<i>For &gt;5,000, Deduct</i>	-0.13
33 01 10 58-0005	LF	6" Diameter Pipe Water Main Disinfection/Sterilization .....	0.79
		<i>For &gt;250 To 500, Deduct</i>	-0.04
		<i>For &gt;500 To 1,000, Deduct</i>	-0.08
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.12
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.16
		<i>For &gt;5,000, Deduct</i>	-0.20
33 01 10 58-0006	LF	8" Diameter Pipe Water Main Disinfection/Sterilization .....	1.03
		<i>For &gt;250 To 500, Deduct</i>	-0.05
		<i>For &gt;500 To 1,000, Deduct</i>	-0.10
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.15
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.21
		<i>For &gt;5,000, Deduct</i>	-0.26
33 01 10 58-0007	LF	10" Diameter Pipe Water Main Disinfection/Sterilization .....	1.21
		<i>For &gt;250 To 500, Deduct</i>	-0.06
		<i>For &gt;500 To 1,000, Deduct</i>	-0.12
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.18
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.24
		<i>For &gt;5,000, Deduct</i>	-0.30
33 01 10 58-0008	LF	12" Diameter Pipe Water Main Disinfection/Sterilization .....	1.58
		<i>For &gt;250 To 500, Deduct</i>	-0.08
		<i>For &gt;500 To 1,000, Deduct</i>	-0.16
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.24
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.32
		<i>For &gt;5,000, Deduct</i>	-0.40
33 01 10 58-0009	LF	>12" To 16" Diameter Pipe Water Main Disinfection/Sterilization .....	1.79
		<i>For &gt;250 To 500, Deduct</i>	-0.09
		<i>For &gt;500 To 1,000, Deduct</i>	-0.18
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.27
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.36
		<i>For &gt;5,000, Deduct</i>	-0.45
33 01 10 58-0010	LF	>16" To 24" Diameter Pipe Water Main Disinfection/Sterilization .....	2.05
		<i>For &gt;250 To 500, Deduct</i>	-0.10
		<i>For &gt;500 To 1,000, Deduct</i>	-0.21
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.31
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.41
		<i>For &gt;5,000, Deduct</i>	-0.51
33 01 10 58-0011	LF	>24" To 30" Diameter Pipe Water Main Disinfection/Sterilization .....	2.42
		<i>For &gt;250 To 500, Deduct</i>	-0.12
		<i>For &gt;500 To 1,000, Deduct</i>	-0.24
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.36
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.48
		<i>For &gt;5,000, Deduct</i>	-0.61
33 01 10 58-0012	LF	>30" To 42" Diameter Pipe Water Main Disinfection/Sterilization .....	3.11
		<i>For &gt;250 To 500, Deduct</i>	-0.16
		<i>For &gt;500 To 1,000, Deduct</i>	-0.31
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.47
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.62
		<i>For &gt;5,000, Deduct</i>	-0.78
33 01 10 58-0013	LF	>42" To 60" Diameter Pipe Water Main Disinfection/Sterilization .....	4.57
		<i>For &gt;250 To 500, Deduct</i>	-0.23
		<i>For &gt;500 To 1,000, Deduct</i>	-0.46
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.69
		<i>For &gt;2,000 To 5,000, Deduct</i>	-0.91
		<i>For &gt;5,000, Deduct</i>	-1.14
33 01 10 58-0014	LF	>60" Diameter Pipe Water Main Disinfection/Sterilization .....	6.32
		<i>For &gt;250 To 500, Deduct</i>	-0.32
		<i>For &gt;500 To 1,000, Deduct</i>	-0.63
		<i>For &gt;1,000 To 2,000, Deduct</i>	-0.95
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.26
		<i>For &gt;5,000, Deduct</i>	-1.58

##### 33 01 10 71 Relining Water Utilities Pipelines <sup>(33 01 10)</sup>

See CSI section 33 01 30 71-0000 for relining water pipelines.

##### 33 01 10 71-0001 Relining Underground Water Pipelines <sup>(33 01 10 71)</sup>

Note: Includes power washing. Excludes cleaning and video camera inspection of pipe.

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 10 Operation and Maintenance of Water Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 10 71-0002		<b>Sprayed On Cement Lining System</b> (33 01 10 71-0001) Note: 8,000 psi cement lining system. Applied by a robotic spin caster operating at 5,000 rpm. The spin caster is placed in the center of the sewer pipe and retrieved as the cementitious liner is centrifugally cast evenly around the pipe interior.	
33 01 10 71-0003		<b>Mobilization And Setup For Sprayed On Cement Lining System</b> (33 01 10 71-0002)	
33 01 10 71-0004	EA	Mobilization And Setup For Sprayed On Cement Lining System.....	8,460.00
33 01 10 71-0005		<b>Sprayed On Cement Lining System</b> (33 01 10 71-0002)	
33 01 10 71-0006	LF	Up To 50', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	888.30
33 01 10 71-0007	LF	>50' To 100', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	782.55
33 01 10 71-0008	LF	>100' To 200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	687.38
33 01 10 71-0009	LF	>200', 30" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	592.20
33 01 10 71-0010	LF	Up To 50', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	943.29
33 01 10 71-0011	LF	>50' To 100', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	837.54
33 01 10 71-0012	LF	>100' To 200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	774.09
33 01 10 71-0013	LF	>200', 36" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	634.50
33 01 10 71-0014	LF	Up To 50', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	958.10
33 01 10 71-0015	LF	>50' To 100', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	862.92
33 01 10 71-0016	LF	>100' To 200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	805.82
33 01 10 71-0017	LF	>200', 42" Diameter Pipe, 1/2" Thick, Sprayed On Cement Lining System.....	729.68
33 01 10 71-0018	LF	Up To 50', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,575.68
33 01 10 71-0019	LF	>50' To 100', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,533.38
33 01 10 71-0020	LF	>100' To 200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,216.12
33 01 10 71-0021	LF	>200', 48" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,152.68
33 01 10 71-0022	LF	Up To 50', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,438.20
33 01 10 71-0023	LF	>50' To 100', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,374.75
33 01 10 71-0024	LF	>100' To 200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,226.70
33 01 10 71-0025	LF	>200', 54" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,120.95
33 01 10 71-0026	LF	Up To 50', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,721.61
33 01 10 71-0027	LF	>50' To 100', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,670.85
33 01 10 71-0028	LF	>100' To 200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,226.70
33 01 10 71-0029	LF	>200', 60" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,142.10
33 01 10 71-0030	LF	Up To 50', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	2,072.70
33 01 10 71-0031	LF	>50' To 100', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,945.80
33 01 10 71-0032	LF	>100' To 200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,438.20
33 01 10 71-0033	LF	>200', 72" Diameter Pipe, 1" Thick, Sprayed On Cement Lining System.....	1,311.30
33 01 10 71-0034		<b>Sprayed On Geopolymer Lining System</b> (33 01 10 71-0001) Note: Geopolymer lining system. Applied by a robotic spin caster. The spin caster is placed in the center of the sewer pipe and retrieved as the geopolymer liner is centrifugally cast evenly around the pipe interior.	
33 01 10 71-0035		<b>Mobilization And Setup For Sprayed On Geopolymer Lining System</b> (33 01 10 71-0034)	
33 01 10 71-0036	EA	Mobilization And Setup For Sprayed On Geopolymer Lining System.....	31,725.00
33 01 10 71-0037		<b>Sprayed On Geopolymer Lining System</b> (33 01 10 71-0034)	
33 01 10 71-0038	LF	36" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	660.94
33 01 10 71-0039	LF	42" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	753.47
33 01 10 71-0040	LF	48" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	859.22
33 01 10 71-0041	LF	54" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	1,017.84
33 01 10 71-0042	LF	60" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	1,387.97
33 01 10 71-0043	LF	66" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	1,771.31
33 01 10 71-0044	LF	72" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	2,115.00
33 01 10 71-0045	LF	78" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	2,313.28
33 01 10 71-0046	LF	84" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	2,577.66
33 01 10 71-0047	LF	90" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	2,947.78
33 01 10 71-0048	LF	96" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	3,701.25
33 01 10 71-0049	LF	102" Diameter Pipe, 1-1/2" Thick, Sprayed On Geopolymer Lining System.....	4,441.50
<b>33 01 30</b>		<b>Operation and Maintenance of Sewer Utilities</b> (33 01)	
<b>33 01 30 11</b>		<b>Television Inspection Of Pipelines</b> (33 01 30) Note: Rotating head color camera. Includes all log records and color video tape, DVD or CD.	
33 01 30 11-0001		<b>Remote Visual Inspection (RVI) Of Pipe Interior And Culverts</b> (33 01 30 11)	
33 01 30 11-0002		<b>Video Camera Inspection For Pipe Interior And Culverts</b> (33 01 30 11-0001)	
33 01 30 11-0003	LF	Video Camera Inspection Of Pipe Interior Or Culvert.....	5.97
<b>33 01 30 23</b>		<b>Pipe Bursting</b> (33 01 30)	
33 01 30 23-0001		<b>Pipe Bursting</b> (33 01 30 23) Note: The following section excludes costs for CCTV Inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups, bypass pumping, tree removal, service saddles, soil testing, and erosion control. See CSI section 31 13 13 00-0001 for tree removal.	
33 01 30 23-0002		<b>Pipe Lining</b> (33 01 30 23-0001)	
33 01 30 23-0003		<b>Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining</b> (33 01 30 23-0002) Note: Per each joint.	
33 01 30 23-0004	EA	4" To 15", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining.....	152.07
33 01 30 23-0005	EA	>15" To 24", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining.....	174.47



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 23-0006	EA		>24" To 36", Pipe Fusion For High Density Polyethylene (HDPE) Pipe Lining .....	208.09	
<b>33 01 30 23-0007</b>			<b>High Density Polyethylene (HDPE) Pipe Lining, DR 17</b> <small>(33 01 30 23-0002)</small>		
			Note: Material to be installed behind bursting head. Excludes pipe joint fusion. See CSI section 33 01 30 23-0003 for pipe joint fusion.		
33 01 30 23-0008	LF		4" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	5.65	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-0.67	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	1.83	
			<i>For White Interior Pipe, Add</i>	1.23	
			<i>For Gray Interior Pipe, Add</i>	0.94	
33 01 30 23-0009	LF		5" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	7.63	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.02	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	2.77	
			<i>For White Interior Pipe, Add</i>	1.87	
			<i>For Gray Interior Pipe, Add</i>	1.42	
33 01 30 23-0010	LF		6" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	10.08	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.45	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	3.95	
			<i>For White Interior Pipe, Add</i>	2.67	
			<i>For Gray Interior Pipe, Add</i>	2.02	
33 01 30 23-0011	LF		7.125" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	11.39	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-1.68	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	4.57	
			<i>For White Interior Pipe, Add</i>	3.08	
			<i>For Gray Interior Pipe, Add</i>	2.34	
33 01 30 23-0012	LF		8" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	15.76	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-2.46	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	6.68	
			<i>For White Interior Pipe, Add</i>	4.51	
			<i>For Gray Interior Pipe, Add</i>	3.42	
33 01 30 23-0013	LF		10" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	23.39	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-3.82	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	10.38	
			<i>For White Interior Pipe, Add</i>	7.01	
			<i>For Gray Interior Pipe, Add</i>	5.31	
33 01 30 23-0014	LF		12" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	32.08	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.37	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	14.60	
			<i>For White Interior Pipe, Add</i>	9.85	
			<i>For Gray Interior Pipe, Add</i>	7.47	
33 01 30 23-0015	LF		13.375" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	35.14	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-5.91	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	16.07	
			<i>For White Interior Pipe, Add</i>	10.84	
			<i>For Gray Interior Pipe, Add</i>	8.22	
33 01 30 23-0016	LF		14" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	38.37	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-6.48	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	17.61	
			<i>For White Interior Pipe, Add</i>	11.88	
			<i>For Gray Interior Pipe, Add</i>	9.00	
33 01 30 23-0017	LF		16" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	49.53	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-8.47	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	23.00	
			<i>For White Interior Pipe, Add</i>	15.52	
			<i>For Gray Interior Pipe, Add</i>	11.76	
33 01 30 23-0018	LF		18" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	62.23	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-10.72	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	29.12	
			<i>For White Interior Pipe, Add</i>	19.65	
			<i>For Gray Interior Pipe, Add</i>	14.89	
33 01 30 23-0019	LF		20" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	76.37	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-13.23	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	35.95	
			<i>For White Interior Pipe, Add</i>	24.26	
			<i>For Gray Interior Pipe, Add</i>	18.38	
33 01 30 23-0020	LF		22" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	92.01	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-16.01	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	43.49	
			<i>For White Interior Pipe, Add</i>	29.35	
			<i>For Gray Interior Pipe, Add</i>	22.23	
33 01 30 23-0021	LF		24" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	109.21	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-19.06	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	51.78	
			<i>For White Interior Pipe, Add</i>	34.94	
			<i>For Gray Interior Pipe, Add</i>	26.47	
33 01 30 23-0022	LF		26" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	127.81	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-22.35	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	60.72	
			<i>For White Interior Pipe, Add</i>	40.98	
			<i>For Gray Interior Pipe, Add</i>	31.04	
33 01 30 23-0023	LF		28" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	148.05	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-25.93	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	70.44	
			<i>For White Interior Pipe, Add</i>	47.54	
			<i>For Gray Interior Pipe, Add</i>	36.01	
33 01 30 23-0024	LF		30" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining.....	169.82	
			<i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i>	-29.77	
			<i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i>	80.87	
			<i>For White Interior Pipe, Add</i>	54.57	
			<i>For Gray Interior Pipe, Add</i>	41.34	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 23-0025	LF 32" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining..... <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	193.11 -33.86 91.99 62.08 47.03	
33 01 30 23-0026	LF 34" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining..... <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	237.83 -41.78 113.50 76.60 58.03	
33 01 30 23-0027	LF 36" DR 17 Polyethylene Pipe, 100 PSI, For Use In Pipe Lining..... <i>For DR 21 Polyethylene Pipe, 80 PSI, Deduct</i> <i>For DR 11 Polyethylene Pipe, 160 PSI, Add</i> <i>For White Interior Pipe, Add</i> <i>For Gray Interior Pipe, Add</i>	244.77 -42.86 116.43 78.57 59.53	
<b>33 01 30 23-0028</b>	<b>Re-Connection Of Non-Renewed Laterals</b> (33 01 30 23-0001) Note: Excludes earthwork excavation and backfill		
<b>33 01 30 23-0029</b>	<b>Re-Connection Of Laterals; Insert-A-Tee</b> (33 01 30 23-0028) Note: Includes cutting hole in pipe and excavation vacuum truck for exterior pipe lateral reconnection. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling, and back-fill material. See CSI section 01 74 19 00-0034 for hauling greater than 15 miles (24 kilometers).		
33 01 30 23-0030	EA Re-Connection Of Non-Renewed Lateral, 6 To 8" Main With 4" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,469.07 -953.94	
33 01 30 23-0031	EA Re-Connection Of Non-Renewed Lateral, 8" Main With 6" Inserta-Tee..... <i>For No Excavation, Deduct</i>	1,649.08 -1,073.18	
33 01 30 23-0032	EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 4" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	1,740.69 -1,132.80	
33 01 30 23-0033	EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 6" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	1,832.31 -1,192.43	
33 01 30 23-0034	EA Re-Connection Of Non-Renewed Lateral, 10" To 18" Main With 8" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	1,985.13 -1,252.05	
33 01 30 23-0035	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 4" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	1,854.86 -1,192.43	
33 01 30 23-0036	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 6" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	1,949.70 -1,252.05	
33 01 30 23-0037	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 8" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	2,089.63 -1,311.67	
33 01 30 23-0038	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 10" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	2,448.60 -1,371.29	
33 01 30 23-0039	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 12" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	2,578.87 -1,430.92	
33 01 30 23-0040	EA Re-Connection Of Non-Renewed Lateral, 20" To 36" Main With 15" Inserta-Tee ..... <i>For No Excavation, Deduct</i>	3,134.32 -1,490.54	
<b>33 01 30 23-0041</b>	<b>Re-Connection Of Laterals; Saddle Style</b> (33 01 30 23-0028) Note: Includes excavation vacuum truck for exterior pipe lateral reconnection, fusion to high density polyethylene (HDPE) pipe for lateral. Excludes asphalt removal, asphalt replacement pavement both temporary and permanent, hauling and back-fill material. See CSI section 01 74 19 00-0034 for hauling.		
33 01 30 23-0042	EA Re-Connection Of Non-Renewed Lateral, 6" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	3,052.82 -1,064.67 -287.35	
33 01 30 23-0043	EA Re-Connection Of Non-Renewed Lateral, 8" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	3,348.77 -1,107.26 -272.76	
33 01 30 23-0044	EA Re-Connection Of Non-Renewed Lateral, 10" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	4,543.06 -1,149.85 -123.43	
33 01 30 23-0045	EA Re-Connection Of Non-Renewed Lateral, 12" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	4,798.57 -1,277.60 -174.53	
33 01 30 23-0046	EA Re-Connection Of Non-Renewed Lateral, 14" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	8,207.16 -1,362.78 277.13	
33 01 30 23-0047	EA Re-Connection Of Non-Renewed Lateral, 16" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	8,904.78 -1,511.83 277.44	
33 01 30 23-0048	EA Re-Connection Of Non-Renewed Lateral, 18" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	11,862.14 -1,660.89 616.70	
33 01 30 23-0049	EA Re-Connection Of Non-Renewed Lateral, 20" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	11,387.98 -1,873.82 396.53	
33 01 30 23-0050	EA Re-Connection Of Non-Renewed Lateral, 24" Main With 4" Or 6" Saddle Tap (Mueller H-615)..... <i>For No Excavation, Deduct</i> <i>For Strap-On Saddle Type Instead Of Fusion Weld</i>	13,814.51 -2,214.52 522.02	
<b>33 01 30 41</b>	<b>Cleaning of Sewers</b> (33 01 30)		
33 01 30 41-0001	Pipe Line Cleaning And Flushing (33 01 30 41) Note: Includes flushing. Owner provided water.		
33 01 30 41-0002	Pipe Line Cleaning (33 01 30 41-0001) Note: Excludes debris disposal.		
33 01 30 41-0003	Hydro Jet Cleaning Of Pipes (33 01 30 41-0002) Note: Excludes removal of material.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 41-0004	LF	10" To 12" Diameter Pipe Line Cleaning, Hydro Jetting Method.....		2.11	
		For >250 To 500, Deduct		-0.11	
		For >500 To 1,000, Deduct		-0.21	
		For >1,000 To 2,000, Deduct		-0.32	
		For >2,000 To 5,000, Deduct		-0.42	
		For >5,000, Deduct		-0.53	
33 01 30 41-0005	LF	>12" To 24" Diameter Pipe Line Cleaning, Hydro Jetting Method .....		4.30	
		For >250 To 500, Deduct		-0.22	
		For >500 To 1,000, Deduct		-0.43	
		For >1,000 To 2,000, Deduct		-0.65	
		For >2,000 To 5,000, Deduct		-0.86	
		For >5,000, Deduct		-1.08	
33 01 30 41-0006	LF	>24" To 48" Diameter Pipe Line Cleaning, Hydro Jetting Method .....		8.52	
		For >250 To 500, Deduct		-0.43	
		For >500 To 1,000, Deduct		-0.85	
		For >1,000 To 2,000, Deduct		-1.28	
		For >2,000 To 5,000, Deduct		-1.70	
		For >5,000, Deduct		-2.13	
33 01 30 41-0007	LF	>48" To 72" Diameter Pipe Line Cleaning, Hydro Jetting Method .....		11.91	
		For >250 To 500, Deduct		-0.60	
		For >500 To 1,000, Deduct		-1.19	
		For >1,000 To 2,000, Deduct		-1.79	
		For >2,000 To 5,000, Deduct		-2.38	
		For >5,000, Deduct		-2.98	
33 01 30 41-0008	LF	>72" To 96" Diameter Pipe Line Cleaning, Hydro Jetting Method .....		15.38	
		For >250 To 500, Deduct		-0.77	
		For >500 To 1,000, Deduct		-1.54	
		For >1,000 To 2,000, Deduct		-2.31	
		For >2,000 To 5,000, Deduct		-3.08	
		For >5,000, Deduct		-3.85	

**33 01 30 42 Cleaning of Manholes (33 01 30)**

33 01 30 42-0001	Structure Cleaning And Flushing (33 01 30 42)			
		Note: Includes flushing. Owner provided water.		
33 01 30 42-0002	Cleaning Manholes And Drainage Structures With Jet/Vacuum (33 01 30 42-0001)			
		Note: Includes the removal of debris with high pressure water jetting and vacuum equipment and cleaning of grate. Excludes hardened concrete debris and disposal of material.		
33 01 30 42-0003	EA	Jet/Vacuum Clean 1 To 2 Catch Basins Or Manholes.....		347.63
33 01 30 42-0004	EA	Jet/Vacuum Clean 3 To 10 Catch Basins Or Manholes.....		323.44
33 01 30 42-0005	EA	Jet/Vacuum Clean 11 To 25 Catch Basins Or Manholes.....		299.24
33 01 30 42-0006	EA	Jet/Vacuum Clean 26 To 100 Catch Basins Or Manholes.....		275.04
33 01 30 42-0007	EA	Jet/Vacuum Clean 101 To 250 Catch Basins Or Manholes.....		250.85
33 01 30 42-0008	EA	Jet/Vacuum Clean >250 Catch Basins Or Manholes.....		226.65

**33 01 30 43 Removal of Protruding Service Connection (33 01 30)**

33 01 30 43-0001	Trim Protruding Service Taps (33 01 30 43)			
33 01 30 43-0002	EA	Trim Protruding Service Tap, 4", Robotic.....		868.15
33 01 30 43-0003	EA	Trim Protruding Service Tap, 6", Robotic.....		954.96
33 01 30 43-0004	EA	Trim Protruding Service Tap, 8", Robotic.....		1,041.78

**33 01 30 51 Maintenance of Utilities (33 01 30)**

33 01 30 51-0001	Pipe Repair (33 01 30 51)			
		Note: Excludes excavation and backfill where required See CSI section 31 23 00 00-0000 for excavation and backfill.		
33 01 30 51-0002	Pipe Repair Clamp, Full Circle, Single Band (33 01 30 51-0001)			
		Note: Repair clamps for asbestos cement pipe, cast iron soil pipe, non-reinforced concrete pipe, PVC pipe, vitrified clay pipe, gray iron pipe and ductile iron pipe.		
33 01 30 51-0003	EA	2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		139.77
		For Stainless Steel Nuts And Bolts, Add		20.64
33 01 30 51-0004	EA	2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....		195.88
		For Stainless Steel Nuts And Bolts, Add		31.10
33 01 30 51-0005	EA	2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		225.23
		For Stainless Steel Nuts And Bolts, Add		36.63
33 01 30 51-0006	EA	2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....		255.98
		For Stainless Steel Nuts And Bolts, Add		42.14
33 01 30 51-0007	EA	2-1/2" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		150.53
		For Stainless Steel Nuts And Bolts, Add		22.41
33 01 30 51-0008	EA	2-1/2" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....		208.00
		For Stainless Steel Nuts And Bolts, Add		33.19
33 01 30 51-0009	EA	2-1/2" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		237.54
		For Stainless Steel Nuts And Bolts, Add		38.59
33 01 30 51-0010	EA	2-1/2" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		273.65
		For Stainless Steel Nuts And Bolts, Add		45.15
33 01 30 51-0011	EA	3" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		161.20
		For Stainless Steel Nuts And Bolts, Add		24.52
33 01 30 51-0012	EA	3" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....		216.07
		For Stainless Steel Nuts And Bolts, Add		34.70
33 01 30 51-0013	EA	3" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226).....		248.91
		For Stainless Steel Nuts And Bolts, Add		40.68
33 01 30 51-0014	EA	3" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226) .....		288.85
		For Stainless Steel Nuts And Bolts, Add		48.30

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 51-0015	EA	4" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	181.24	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	27.88	
33 01 30 51-0016	EA	4" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	238.29	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	37.53	
33 01 30 51-0017	EA	4" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	288.71	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	45.68	
33 01 30 51-0018	EA	4" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	347.70	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	55.11	
33 01 30 51-0019	EA	4" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	451.54	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	74.02	
33 01 30 51-0020	EA	4" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	560.44	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	92.93	
33 01 30 51-0021	EA	4" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	682.75	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	113.99	
33 01 30 51-0022	EA	6" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	212.87	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	32.90	
33 01 30 51-0023	EA	6" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	281.31	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	44.63	
33 01 30 51-0024	EA	6" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	333.54	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	52.62	
33 01 30 51-0025	EA	6" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	391.56	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	61.15	
33 01 30 51-0026	EA	6" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	536.08	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	88.61	
33 01 30 51-0027	EA	6" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	651.34	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06	
33 01 30 51-0028	EA	6" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	777.86	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	129.12	
33 01 30 51-0029	EA	8" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	282.85	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	39.36	
33 01 30 51-0030	EA	8" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	366.08	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	52.08	
33 01 30 51-0031	EA	8" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	441.59	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	63.02	
33 01 30 51-0032	EA	8" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	527.62	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	75.10	
33 01 30 51-0033	EA	8" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	693.95	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	104.04	
33 01 30 51-0034	EA	8" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	830.00	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	124.41	
33 01 30 51-0035	EA	8" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	984.40	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	146.43	
33 01 30 51-0036	EA	10" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	328.38	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	47.90	
33 01 30 51-0037	EA	10" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	438.21	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	66.26	
33 01 30 51-0038	EA	10" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	516.98	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	77.47	
33 01 30 51-0039	EA	10" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	633.08	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	95.82	
33 01 30 51-0040	EA	10" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	824.84	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	129.97	
33 01 30 51-0041	EA	10" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	943.00	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	145.27	
33 01 30 51-0042	EA	10" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,206.14	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	191.65	
33 01 30 51-0043	EA	12" Diameter, 7-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	374.56	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	54.03	
33 01 30 51-0044	EA	12" Diameter, 10" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	486.99	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	71.86	
33 01 30 51-0045	EA	12" Diameter, 12-1/2" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	587.55	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	86.96	
33 01 30 51-0046	EA	12" Diameter, 15" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	721.17	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	108.06	
33 01 30 51-0047	EA	12" Diameter, 20" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	922.18	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	142.72	
33 01 30 51-0048	EA	12" Diameter, 25" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,086.33	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	166.67	
33 01 30 51-0049	EA	12" Diameter, 30" Long, Pipe Repair Clamp, Single Band With Alloy Bolts And Nuts (Smith-Blair 226)	1,373.88	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	216.11	

**33 01 30 51-0050 Pipe Repair Clamp, Full Circle, Double Bands** (33 01 30 51-0001)

Note: Repair clamps for reinforced concrete pipe, gray iron pipe and ductile iron pipe.

33 01 30 51-0051	EA	14.38" To 15.13" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	801.37	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	207.89	
33 01 30 51-0052	EA	14.38" To 15.13" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,130.30	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	300.12	
33 01 30 51-0053	EA	14.38" To 15.13" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	1,518.93	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	407.00	
33 01 30 51-0054	EA	14.38" To 15.13" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	2,222.45	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	613.43	
33 01 30 51-0055	EA	15.07" To 15.82" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228)	841.22	
		<i>For Stainless Steel Nuts And Bolts, Add</i>	218.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 51-0056	EA		15.07" To 15.82" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,183.36	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	314.03	
33 01 30 51-0057	EA		15.07" To 15.82" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,586.65	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	424.56	
33 01 30 51-0058	EA		15.07" To 15.82" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,330.16	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	642.70	
33 01 30 51-0059	EA		15.92" To 16.67" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	863.96	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	222.53	
33 01 30 51-0060	EA		15.92" To 16.67" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,213.17	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	319.90	
33 01 30 51-0061	EA		15.92" To 16.67" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,630.03	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	434.08	
33 01 30 51-0062	EA		15.92" To 16.67" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,391.98	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	656.60	
33 01 30 51-0063	EA		16.56" To 17.31" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	888.05	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	226.92	
33 01 30 51-0064	EA		16.56" To 17.31" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,247.23	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	326.48	
33 01 30 51-0065	EA		16.56" To 17.31" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,673.25	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	442.13	
33 01 30 51-0066	EA		16.56" To 17.31" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,454.50	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	669.79	
33 01 30 51-0067	EA		17.15" To 17.90" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	910.00	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	230.58	
33 01 30 51-0068	EA		17.15" To 17.90" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,276.92	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	331.60	
33 01 30 51-0069	EA		17.15" To 17.90" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,716.45	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	450.18	
33 01 30 51-0070	EA		17.15" To 17.90" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,511.97	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	680.76	
33 01 30 51-0071	EA		17.82" To 18.57" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	930.56	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	234.25	
33 01 30 51-0072	EA		17.82" To 18.57" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,306.71	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	337.45	
33 01 30 51-0073	EA		17.82" To 18.57" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,754.77	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	457.50	
33 01 30 51-0074	EA		17.82" To 18.57" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,550.40	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	686.25	
33 01 30 51-0075	EA		18.46" To 19.21" OD Diameter Pipe, 10" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	953.74	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	238.81	
33 01 30 51-0076	EA		18.46" To 19.21" OD Diameter Pipe, 15" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,341.51	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	344.77	
33 01 30 51-0077	EA		18.46" To 19.21" OD Diameter Pipe, 20" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	1,795.17	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	465.55	
33 01 30 51-0078	EA		18.46" To 19.21" OD Diameter Pipe, 30" Long, Pipe Repair Clamp, Double Bands With Alloy Bolts And Nuts (Smith-Blair 228).....	2,628.45	
			<i>For Stainless Steel Nuts And Bolts, Add</i> .....	705.65	
33 01 30 51-0079			<b>Repair Couplings and Fittings</b> (33 01 30 51-0001)		
33 01 30 51-0080			<b>Couplings And Fittings For Copper Pipe, Compression</b> (33 01 30 51-0079) Note: Includes gaskets. Dresser style 88.		
33 01 30 51-0081			<b>Copper Compression Repair Couplings</b> (33 01 30 51-0080)		
33 01 30 51-0082	EA		1/2" Copper Compression Repair Coupling.....	107.45	
33 01 30 51-0083	EA		3/4" Copper Compression Repair Coupling.....	124.97	
33 01 30 51-0084	EA		1" Copper Compression Repair Coupling.....	146.94	
33 01 30 51-0085	EA		1-1/4" Copper Compression Repair Coupling.....	165.25	
33 01 30 51-0086	EA		1-1/2" Copper Compression Repair Coupling.....	255.84	
33 01 30 51-0087			<b>Copper Compression Repair Fitting, 90 Degree Elbows</b> (33 01 30 51-0080)		
33 01 30 51-0088	EA		1/2" Copper Compression Repair 90 Degree Elbow.....	129.33	
33 01 30 51-0089	EA		1" Copper Compression Repair 90 Degree Elbow.....	150.07	
33 01 30 51-0090	EA		1-1/2" Copper Compression Repair 90 Degree Elbow.....	305.56	
33 01 30 51-0091	EA		1" IPS x 1" CTS 90 Degree Plain End Street Elbow.....	120.78	



**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 01 30 51-0092	EA	3/4" IPS x 3/4" CTS 90 Degree Threaded End Street Elbow .....	108.59
33 01 30 51-0093	EA	1" IPS x 1" CTS 90 Degree Threaded End Street Elbow .....	127.12
33 01 30 51-0094	EA	1-1/4" IPS x 1" CTS 90 Degree Threaded End Street Elbow .....	157.35

**33 01 30 51-0095 Copper Compression Repair Fitting, Tees** (33 01 30 51-0080)

33 01 30 51-0096	EA	1/2" Copper Compression Repair Tee .....	237.59
33 01 30 51-0097	EA	3/4" Copper Compression Repair Tee .....	183.56
33 01 30 51-0098	EA	1" Copper Compression Repair Tee .....	218.11
33 01 30 51-0099	EA	1" F x 1" M x 1" CTS Street Tee .....	179.34

**33 01 30 51-0100 Copper Compression Repair Fitting, Male Adapters** (33 01 30 51-0080)

33 01 30 51-0101	EA	3/4" M x 1/2" CTS Male Adapter .....	111.95
33 01 30 51-0102	EA	3/4" M x 3/4" CTS Male Adapter .....	89.77
33 01 30 51-0103	EA	1" M x 1" CTS Male Adapter .....	102.20
33 01 30 51-0104	EA	1-1/4" M x 1" CTS Male Adapter .....	124.21
33 01 30 51-0105	EA	1-1/4" M x 1-1/4" CTS Male Adapter .....	148.80
33 01 30 51-0106	EA	1-1/2" M x 1" CTS Male Adapter .....	162.30

**33 01 30 51-0107 Copper Compression Repair Fitting, Female Adapters** (33 01 30 51-0080)

33 01 30 51-0108	EA	3/4" M x 3/4" CTS Female Adapter .....	131.31
33 01 30 51-0109	EA	1" M x 1" CTS Female Adapter .....	139.02

**33 01 30 51-0110 Couplings And Fittings For Steel Pipe, Cast Body, Compression** (33 01 30 51-0079)

Note: Includes gaskets. Dresser style 90.

**33 01 30 51-0111 Couplings For Steel Pipe, Cast Body (Compression)** (33 01 30 51-0110)

Note: Includes gaskets.

33 01 30 51-0112	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring .....	82.90
33 01 30 51-0113	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring .....	84.03
33 01 30 51-0114	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring .....	94.65
33 01 30 51-0115	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring .....	105.36
33 01 30 51-0116	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring .....	130.24
33 01 30 51-0117	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring .....	158.43
33 01 30 51-0118	EA	1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....	85.19
33 01 30 51-0119	EA	3/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....	86.56
33 01 30 51-0120	EA	1" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....	95.03
33 01 30 51-0121	EA	1-1/4" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....	106.54
33 01 30 51-0122	EA	1-1/2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....	134.09
33 01 30 51-0123	EA	2" Coupling, Cast Body (Compression), 5" Middle Ring With Armored Gasket .....	160.12
33 01 30 51-0124	EA	3/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....	162.86
33 01 30 51-0125	EA	1" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....	190.54
33 01 30 51-0126	EA	1-1/4" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....	198.26
33 01 30 51-0127	EA	1-1/2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....	222.93
33 01 30 51-0128	EA	2" Coupling, Steel Body (Compression), 5" Middle Ring With Armored Gasket .....	271.27

**33 01 30 51-0129 Reducing Couplings For Steel Pipe (Compression)** (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0130	EA	3/4" x 1/2" Reducing Coupling (Compression) .....	91.69
33 01 30 51-0131	EA	1" x 3/4" Reducing Coupling (Compression) .....	97.15
33 01 30 51-0132	EA	1-1/4" x 3/4" Reducing Coupling (Compression) .....	109.56
33 01 30 51-0133	EA	1-1/4" x 1" Reducing Coupling (Compression) .....	113.79
33 01 30 51-0134	EA	1-1/2" x 3/4" Reducing Coupling (Compression) .....	218.70
33 01 30 51-0135	EA	1-1/2" x 1" Reducing Coupling (Compression) .....	136.81
33 01 30 51-0136	EA	1-1/2" x 1-1/4" Reducing Coupling (Compression) .....	137.41
33 01 30 51-0137	EA	2" x 3/4" Reducing Coupling (Compression) .....	261.19
33 01 30 51-0138	EA	2" x 1" Reducing Coupling (Compression) .....	237.66
33 01 30 51-0139	EA	2" x 1-1/4" Reducing Coupling (Compression) .....	181.69
33 01 30 51-0140	EA	2" x 1-1/2" Reducing Coupling (Compression) .....	181.07

**33 01 30 51-0141 Steel Compression Repair Fittings, Elbows** (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0142	EA	1" 45 Degree Elbow (Compression) .....	151.14
33 01 30 51-0143	EA	1-1/4" 45 Degree Elbow (Compression) .....	157.54
33 01 30 51-0144	EA	1-1/2" 45 Degree Elbow (Compression) .....	203.48
33 01 30 51-0145	EA	2" 45 Degree Elbow (Compression) .....	256.79
33 01 30 51-0146	EA	3/4" 90 Degree Elbow (Compression) .....	101.46
33 01 30 51-0147	EA	1" 90 Degree Elbow (Compression) .....	105.31
33 01 30 51-0148	EA	1-1/4" 90 Degree Elbow (Compression) .....	123.32
33 01 30 51-0149	EA	1-1/2" 90 Degree Elbow (Compression) .....	175.73
33 01 30 51-0150	EA	2" 90 Degree Elbow (Compression) .....	192.61
33 01 30 51-0151	EA	3/4" Plain End 90 Degree Street Elbow (Compression) .....	101.78
33 01 30 51-0152	EA	1" Plain End 90 Degree Street Elbow (Compression) .....	90.06
33 01 30 51-0153	EA	1-1/4" Plain End 90 Degree Street Elbow (Compression) .....	101.73
33 01 30 51-0154	EA	1-1/2" Plain End 90 Degree Street Elbow (Compression) .....	128.66
33 01 30 51-0155	EA	2" Plain End 90 Degree Street Elbow (Compression) .....	165.99
33 01 30 51-0156	EA	3/4" Threaded End 90 Degree Street Elbow (Compression) .....	105.09
33 01 30 51-0157	EA	1" Threaded End 90 Degree Street Elbow (Compression) .....	96.27
33 01 30 51-0158	EA	1-1/4" Threaded End 90 Degree Street Elbow (Compression) .....	124.79
33 01 30 51-0159	EA	1-1/2" Threaded End 90 Degree Street Elbow (Compression) .....	150.67

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0160	EA	2" Threaded End 90 Degree Street Elbow (Compression) .....	213.06	
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**33 01 30 51-0161 Steel Compression Repair Fittings, Tees** (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0162	EA	3/4" Street Tee (Compression) .....	112.16	
33 01 30 51-0163	EA	1" Street Tee (Compression) .....	132.00	
33 01 30 51-0164	EA	1-1/4" Street Tee (Compression) .....	133.72	
33 01 30 51-0165	EA	1-1/2" Street Tee (Compression) .....	154.68	
33 01 30 51-0166	EA	2" Street Tee (Compression) .....	232.92	
33 01 30 51-0167	EA	1-1/4" x 1-1/4" x 1" Reducing Street Tee (Compression) .....	132.53	
33 01 30 51-0168	EA	1-1/4" x 1" x 1-1/4" Reducing Street Tee (Compression) .....	138.54	
33 01 30 51-0169	EA	1-1/2" x 1-1/2" x 1" Reducing Street Tee (Compression) .....	173.51	
33 01 30 51-0170	EA	1-1/2" x 1-1/2" x 1-1/4" Reducing Street Tee (Compression) .....	200.67	
33 01 30 51-0171	EA	1-1/2" x 1" x 1-1/2" Reducing Street Tee (Compression) .....	201.87	
33 01 30 51-0172	EA	1-1/2" x 1-1/4" x 1-1/2" Reducing Street Tee (Compression) .....	170.96	
33 01 30 51-0173	EA	2" x 1-1/4" x 2" Reducing Street Tee (Compression) .....	227.04	
33 01 30 51-0174	EA	2" x 1-1/2" x 2" Reducing Street Tee (Compression) .....	257.22	
33 01 30 51-0175	EA	3/4" Welding Street Tee (Compression) .....	202.68	
33 01 30 51-0176	EA	1" Welding Street Tee (Compression) .....	203.65	
33 01 30 51-0177	EA	1-1/4" Welding Street Tee (Compression) .....	218.63	
33 01 30 51-0178	EA	1-1/2" Welding Street Tee (Compression) .....	263.30	
33 01 30 51-0179	EA	2" Welding Street Tee (Compression) .....	354.07	
33 01 30 51-0180	EA	3/4" Regular Tee (Compression) .....	150.03	
33 01 30 51-0181	EA	1" Regular Tee (Compression) .....	261.10	
33 01 30 51-0182	EA	1-1/4" Regular Tee (Compression) .....	275.96	
33 01 30 51-0183	EA	1-1/2" Regular Tee (Compression) .....	296.92	
33 01 30 51-0184	EA	2" Regular Tee (Compression) .....	329.63	
33 01 30 51-0185	EA	2" x 2" x 1-1/4" Regular Reducing Tee (Compression) .....	324.79	

**33 01 30 51-0186 Steel Compression Repair Fittings, Male Adapters** (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0187	EA	3/4" Male Adapter (Compression) .....	101.18	
33 01 30 51-0188	EA	1" Male Adapter (Compression) .....	112.84	
33 01 30 51-0189	EA	1-1/4" Male Adapter (Compression) .....	146.84	
33 01 30 51-0190	EA	1-1/2" Male Adapter (Compression) .....	166.08	
33 01 30 51-0191	EA	2" Male Adapter (Compression) .....	187.56	
33 01 30 51-0192	EA	1" x 1-1/4" Male Adapter (Compression) .....	146.06	

**33 01 30 51-0193 Steel Compression Repair Fittings, Line Caps** (33 01 30 51-0110)

Note: Includes armored gaskets.

33 01 30 51-0194	EA	3/4" Line Caps (Compression) .....	54.30	
33 01 30 51-0195	EA	1" Line Caps (Compression) .....	63.21	
33 01 30 51-0196	EA	1-1/4" Line Caps (Compression) .....	72.27	
33 01 30 51-0197	EA	1-1/2" Line Caps (Compression) .....	85.13	
33 01 30 51-0198	EA	2" Line Caps (Compression) .....	105.09	

**33 01 30 51-0199 Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes Buna S gasket. Dresser style 38

33 01 30 51-0200	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket .....	81.93	
33 01 30 51-0201	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket .....	101.67	
33 01 30 51-0202	EA	1" Coupling, 5" Middle Ring With Buna S Gasket .....	117.26	
33 01 30 51-0203	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket .....	140.45	
33 01 30 51-0204	EA	2" Coupling, 4" Middle Ring With Buna S Gasket .....	173.62	
33 01 30 51-0205	EA	2" Coupling, 5" Middle Ring With Buna S Gasket .....	226.66	
33 01 30 51-0206	EA	2" Coupling, 7" Middle Ring With Buna S Gasket .....	213.46	
33 01 30 51-0207	EA	3" Coupling, 4" Middle Ring With Buna S Gasket .....	280.42	
33 01 30 51-0208	EA	3" Coupling, 5" Middle Ring With Buna S Gasket .....	288.40	
33 01 30 51-0209	EA	3" Coupling, 7" Middle Ring With Buna S Gasket .....	296.39	
33 01 30 51-0210	EA	4" Coupling, 4" Middle Ring With Buna S Gasket .....	326.30	
33 01 30 51-0211	EA	4" Coupling, 5" Middle Ring With Buna S Gasket .....	339.86	
33 01 30 51-0212	EA	4" Coupling, 7" Middle Ring With Buna S Gasket .....	356.85	
33 01 30 51-0213	EA	5" Coupling, 4" Middle Ring With Buna S Gasket .....	420.81	
33 01 30 51-0214	EA	5" Coupling, 5" Middle Ring With Buna S Gasket .....	426.16	
33 01 30 51-0215	EA	5" Coupling, 7" Middle Ring With Buna S Gasket .....	445.65	
33 01 30 51-0216	EA	6" Coupling, 4" Middle Ring With Buna S Gasket .....	450.57	
33 01 30 51-0217	EA	6" Coupling, 5" Middle Ring With Buna S Gasket .....	465.04	
33 01 30 51-0218	EA	6" Coupling, 7" Middle Ring With Buna S Gasket .....	483.54	
33 01 30 51-0219	EA	8" Coupling, 4" Middle Ring With Buna S Gasket .....	525.79	
33 01 30 51-0220	EA	8" Coupling, 5" Middle Ring With Buna S Gasket .....	547.19	
33 01 30 51-0221	EA	8" Coupling, 7" Middle Ring With Buna S Gasket .....	564.77	
33 01 30 51-0222	EA	10" Coupling, 5" Middle Ring With Buna S Gasket .....	644.44	
33 01 30 51-0223	EA	10" Coupling, 7" Middle Ring With Buna S Gasket .....	745.48	
33 01 30 51-0224	EA	12" Coupling, 5" Middle Ring With Buna S Gasket .....	732.37	
33 01 30 51-0225	EA	12" Coupling, 7" Middle Ring With Buna S Gasket .....	946.56	
33 01 30 51-0226	EA	14" Coupling, 7" Middle Ring With Buna S Gasket .....	1,092.42	
33 01 30 51-0227	EA	16" Coupling, 7" Middle Ring With Buna S Gasket .....	1,301.49	
33 01 30 51-0228	EA	18" Coupling, 7" Middle Ring With Buna S Gasket .....	1,431.26	
33 01 30 51-0229	EA	20" Coupling, 7" Middle Ring With Buna S Gasket .....	1,545.04	
33 01 30 51-0230	EA	22" Coupling, 7" Middle Ring With Buna S Gasket .....	1,926.41	
33 01 30 51-0231	EA	24" Coupling, 7" Middle Ring With Buna S Gasket .....	2,028.21	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST
**33 01 30 51-0232****Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes Buna S gasket, protected. Dresser style 38.

33 01 30 51-0233	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna S Gasket, Protected.....	84.22
33 01 30 51-0234	EA	3/4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	101.35
33 01 30 51-0235	EA	1" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	117.12
33 01 30 51-0236	EA	1-1/2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	139.40
33 01 30 51-0237	EA	2" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	204.10
33 01 30 51-0238	EA	2" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	199.90
33 01 30 51-0239	EA	2" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	202.00
33 01 30 51-0240	EA	3" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	296.39
33 01 30 51-0241	EA	3" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	304.38
33 01 30 51-0242	EA	3" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	312.37
33 01 30 51-0243	EA	4" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	348.07
33 01 30 51-0244	EA	4" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	333.99
33 01 30 51-0245	EA	4" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	341.40
33 01 30 51-0246	EA	5" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	448.85
33 01 30 51-0247	EA	5" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	452.76
33 01 30 51-0248	EA	5" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	633.95
33 01 30 51-0249	EA	6" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	459.13
33 01 30 51-0250	EA	6" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	479.92
33 01 30 51-0251	EA	6" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	487.95
33 01 30 51-0252	EA	8" Coupling, 4" Middle Ring With Buna S Gasket, Protected.....	572.25
33 01 30 51-0253	EA	8" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	580.14
33 01 30 51-0254	EA	8" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	592.86
33 01 30 51-0255	EA	10" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	663.61
33 01 30 51-0256	EA	10" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	765.45
33 01 30 51-0257	EA	12" Coupling, 5" Middle Ring With Buna S Gasket, Protected.....	752.34
33 01 30 51-0258	EA	12" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	966.09
33 01 30 51-0259	EA	14" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,112.39
33 01 30 51-0260	EA	16" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,331.45
33 01 30 51-0261	EA	18" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,471.20
33 01 30 51-0262	EA	20" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,584.97
33 01 30 51-0263	EA	22" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	1,966.35
33 01 30 51-0264	EA	24" Coupling, 7" Middle Ring With Buna S Gasket, Protected.....	2,068.15

**33 01 30 51-0265****Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes Buna N gasket, protected. Dresser style 38.

33 01 30 51-0266	EA	1/2" Coupling, 3-1/2" Middle Ring With Buna N Gasket, Protected.....	98.42
33 01 30 51-0267	EA	3/4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	115.81
33 01 30 51-0268	EA	1" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	134.07
33 01 30 51-0269	EA	1-1/2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	161.42
33 01 30 51-0270	EA	2" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	204.10
33 01 30 51-0271	EA	2" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	239.76
33 01 30 51-0272	EA	2" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	251.62
33 01 30 51-0273	EA	3" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	296.39
33 01 30 51-0274	EA	3" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	304.38
33 01 30 51-0275	EA	3" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	312.37
33 01 30 51-0276	EA	4" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	348.07
33 01 30 51-0277	EA	4" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	376.54
33 01 30 51-0278	EA	4" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	387.37
33 01 30 51-0279	EA	5" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	448.85
33 01 30 51-0280	EA	5" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	452.76
33 01 30 51-0281	EA	5" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	498.49
33 01 30 51-0282	EA	6" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	459.13
33 01 30 51-0283	EA	6" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	479.92
33 01 30 51-0284	EA	6" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	487.95
33 01 30 51-0285	EA	8" Coupling, 4" Middle Ring With Buna N Gasket, Protected.....	572.25
33 01 30 51-0286	EA	8" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	580.14
33 01 30 51-0287	EA	8" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	592.86
33 01 30 51-0288	EA	10" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	663.61
33 01 30 51-0289	EA	10" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	765.45
33 01 30 51-0290	EA	12" Coupling, 5" Middle Ring With Buna N Gasket, Protected.....	752.34
33 01 30 51-0291	EA	12" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	966.09
33 01 30 51-0292	EA	14" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,112.39
33 01 30 51-0293	EA	16" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,301.49
33 01 30 51-0294	EA	18" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,471.20
33 01 30 51-0295	EA	20" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,584.97
33 01 30 51-0296	EA	22" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	1,966.35
33 01 30 51-0297	EA	24" Coupling, 7" Middle Ring With Buna N Gasket, Protected.....	2,068.15

**33 01 30 51-0298****Couplings For Steel Pipe** (33 01 30 51-0079)

Note: Includes high temperature carded glass gasket, protected. Dresser style 38.

33 01 30 51-0299	EA	3/4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	165.91
33 01 30 51-0300	EA	1" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	179.88
33 01 30 51-0301	EA	1-1/2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	189.36
33 01 30 51-0302	EA	2" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket.....	288.57
33 01 30 51-0303	EA	2" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	310.41
33 01 30 51-0304	EA	2" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	321.54
33 01 30 51-0305	EA	3" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	373.37
33 01 30 51-0306	EA	3" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	370.86
33 01 30 51-0307	EA	4" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	416.48
33 01 30 51-0308	EA	4" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket.....	427.30
33 01 30 51-0309	EA	5" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket.....	576.77

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 51-0310	EA	5" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	591.13	
33 01 30 51-0311	EA	6" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	615.43	
33 01 30 51-0312	EA	6" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	624.96	
33 01 30 51-0313	EA	8" Coupling, 4" Middle Ring With High Temp Carded Glass Gasket .....	640.77	
33 01 30 51-0314	EA	8" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	783.69	
33 01 30 51-0315	EA	8" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	841.98	
33 01 30 51-0316	EA	10" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	862.48	
33 01 30 51-0317	EA	10" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	862.28	
33 01 30 51-0318	EA	12" Coupling, 5" Middle Ring With High Temp Carded Glass Gasket .....	1,092.49	
33 01 30 51-0319	EA	12" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	1,136.39	
33 01 30 51-0320	EA	14" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	1,312.96	
33 01 30 51-0321	EA	16" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	1,640.61	
33 01 30 51-0322	EA	18" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	1,606.99	
33 01 30 51-0323	EA	20" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	1,790.66	
33 01 30 51-0324	EA	22" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	1,940.39	
33 01 30 51-0325	EA	24" Coupling, 7" Middle Ring With High Temp Carded Glass Gasket .....	2,108.09	

**33 01 30 51-0326 Grind Offset Joint (33 01 30 51-0001)**

33 01 30 51-0327	EA	6" To 10", Grind Drop Offset Joint .....	520.89	
33 01 30 51-0328	EA	>10" To 15", Grind Drop Offset Joint .....	694.52	
33 01 30 51-0329	EA	>15" To 24", Grind Drop Offset Joint .....	868.15	
33 01 30 51-0330	EA	>24" To 30", Grind Drop Offset Joint .....	1,041.78	

**33 01 30 51-0331 Pipe Plugging (33 01 30 51-0001)**

**33 01 30 51-0332 Gravity Bladder Type, Temporary Pipe Plugging (33 01 30 51-0331)**

Note: Includes insertion of expandable bladder device into pipe, expanding to block flow and removal.

33 01 30 51-0333	EA	3/4" Bladder Type, Temporary Pipe Plug.....	100.78	
33 01 30 51-0334	EA	1" Bladder Type, Temporary Pipe Plug.....	107.74	
33 01 30 51-0335	EA	1-1/4" Bladder Type, Temporary Pipe Plug .....	115.71	
33 01 30 51-0336	EA	1-1/2" Bladder Type, Temporary Pipe Plug .....	123.29	
33 01 30 51-0337	EA	2" Bladder Type, Temporary Pipe Plug.....	130.64	
33 01 30 51-0338	EA	2-1/2" Bladder Type, Temporary Pipe Plug .....	138.62	
33 01 30 51-0339	EA	3" Bladder Type, Temporary Pipe Plug.....	148.15	
33 01 30 51-0340	EA	4" Bladder Type, Temporary Pipe Plug.....	162.77	
33 01 30 51-0341	EA	5" Bladder Type, Temporary Pipe Plug.....	176.55	
33 01 30 51-0342	EA	6" Bladder Type, Temporary Pipe Plug.....	197.17	
33 01 30 51-0343	EA	8" Bladder Type, Temporary Pipe Plug.....	218.72	
33 01 30 51-0344	EA	10" Bladder Type, Temporary Pipe Plug.....	253.66	
33 01 30 51-0345	EA	12" Bladder Type, Temporary Pipe Plug.....	292.25	
33 01 30 51-0346	EA	14" Bladder Type, Temporary Pipe Plug.....	348.68	
33 01 30 51-0347	EA	16" Bladder Type, Temporary Pipe Plug.....	420.42	
33 01 30 51-0348	EA	18" Bladder Type, Temporary Pipe Plug.....	506.59	
33 01 30 51-0349	EA	20" Bladder Type, Temporary Pipe Plug.....	600.56	
33 01 30 51-0350	EA	24" Bladder Type, Temporary Pipe Plug.....	691.95	

**33 01 30 51-0351 Polyseal Pipe Coupler (33 01 30 51-0001)**

33 01 30 51-0352	EA	18" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	411.52	
33 01 30 51-0353	EA	24" Diameter Pipe, PolySeal Repair Couplers (MarMac).....	465.03	

**33 01 30 63 Sewer and Pipe Joint Sealing (33 01 30)**

**33 01 30 63-0001 Joint Air Test (33 01 30 63)**

33 01 30 63-0002	EA	4" To 8", Joint Air Test.....	121.56	
33 01 30 63-0003	EA	10" To 15", Joint Air Test.....	141.82	
33 01 30 63-0004	EA	>15" To 21", Joint Air Test.....	162.08	
33 01 30 63-0005	EA	>21" To 24", Joint Air Test.....	202.61	
33 01 30 63-0006	EA	>24" To 27", Joint Air Test.....	243.13	
33 01 30 63-0007	EA	>27" To 36", Joint Air Test.....	283.65	

**33 01 30 63-0008 Joint Seal And Joint Air Retest (33 01 30 63)**

Note: Includes grout.

33 01 30 63-0009	EA	4" Joint Seal And Joint Air Retest .....	361.04	
		Note: Includes up to 1 gallon of grout.		
33 01 30 63-0010	EA	6" Joint Seal And Joint Air Retest.....	401.56	
		Note: Includes 1 gallon of grout.		
33 01 30 63-0011	EA	8" Joint Seal And Joint Air Retest .....	478.94	
		Note: Includes 2 gallons of grout.		
33 01 30 63-0012	EA	10" Joint Seal And Joint Air Retest.....	537.91	
		Note: Includes 2.5 gallons of grout.		
33 01 30 63-0013	EA	12" Joint Seal And Joint Air Retest.....	596.86	
		Note: Includes 3 gallons of grout.		
33 01 30 63-0014	EA	15" Joint Seal And Joint Air Retest.....	705.55	
		Note: Includes 3.75 gallons of grout.		
33 01 30 63-0015	EA	18" Joint Seal And Joint Air Retest.....	814.24	
		Note: Includes 4.5 gallons of grout.		
33 01 30 63-0016	EA	21" Joint Seal And Joint Air Retest.....	922.94	
		Note: Includes 5.25 gallons of grout.		
33 01 30 63-0017	EA	24" Joint Seal And Joint Air Retest .....	1,072.15	
		Note: Includes 6 gallons of grout.		

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 63-0018	EA		27" Joint Seal And Joint Air Retest ..... Note: Includes 6.75 gallons of grout.	1,221.36	
33 01 30 63-0019	EA		30" Joint Seal And Joint Air Retest ..... Note: Includes 7.5 gallons of grout.	1,411.10	
33 01 30 63-0020	EA		36" Joint Seal And Joint Air Retest ..... Note: Includes 9 gallons of grout.	1,628.49	
33 01 30 63-0021	GAL		Extra Grout Per Joint ..... Note: For extra grout per joint required over listed amount.	198.95	
<b>33 01 30 71 Relining Sewers (33 01 30)</b>					
<b>33 01 30 71-0001 Relining Underground Pipelines (33 01 30 71)</b>					
Note: Excludes CCTV inspection, sewer cleaning, pavement both temporary and permanent, emergency after hours response for homeowners backups. See CSI section 01 22 20 00-0000 for hourly rates for after hours response for homeowners backups, 32 01 17 63-0000 for temporary pavement, 32 12 16 00-0000 for permanent pavement, 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.					
<b>33 01 30 71-0002 Polyvinyl Chloride (PVC) Liner Pipe (33 01 30 71-0001)</b>					
Note: Sanitary and storm sewer trenchless slip-lining.					
33 01 30 71-0003	LF		12" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	34.56	
33 01 30 71-0004	LF		15" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	51.40	
33 01 30 71-0005	LF		18" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	69.16	
33 01 30 71-0006	LF		21" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	85.69	
33 01 30 71-0007	LF		24" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	111.65	
33 01 30 71-0008	LF		27" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	133.74	
33 01 30 71-0009	LF		30" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	152.99	
33 01 30 71-0010	LF		36" A-2 Polyvinyl Chloride (PVC) Slip-Liner Pipe.....	217.04	
<b>33 01 30 71-0011 Lining Pipe, Spray Applied With Structural Polyurethane (33 01 30 71)</b>					
Note: Two part structural polyurethane.					
<b>33 01 30 71-0012 Mobilization And Setup For Spray Applied Structural Polyurethane Lining (33 01 30 71-0011)</b>					
33 01 30 71-0013	EA		Initial Set Up And Final Equipment Removal For Spray Applied Structural Polyurethane Lining.....	2,546.08	
<b>33 01 30 71-0014 Lining Pipe, Spray Applied With 100 mil Structural Polyurethane (33 01 30 71-0011)</b>					
Note: Two part structural polyurethane.					
33 01 30 71-0015	LF		36" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	67.59	
			For Up To 75, Add	14.89	
			For >75 To 150, Add	6.76	
			For >500 To 1,000, Deduct	-1.90	
			For >1,000 To 2,000, Deduct	-3.66	
			For >2,000 To 5,000, Deduct	-5.70	
			For >5,000, Deduct	-8.13	
33 01 30 71-0016	LF		42" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	78.85	
			For Up To 75, Add	17.37	
			For >75 To 150, Add	7.89	
			For >500 To 1,000, Deduct	-2.22	
			For >1,000 To 2,000, Deduct	-4.28	
			For >2,000 To 5,000, Deduct	-6.65	
			For >5,000, Deduct	-9.49	
33 01 30 71-0017	LF		48" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	90.12	
			For Up To 75, Add	19.86	
			For >75 To 150, Add	9.01	
			For >500 To 1,000, Deduct	-2.53	
			For >1,000 To 2,000, Deduct	-4.89	
			For >2,000 To 5,000, Deduct	-7.60	
			For >5,000, Deduct	-10.84	
33 01 30 71-0018	LF		54" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	101.38	
			For Up To 75, Add	22.34	
			For >75 To 150, Add	10.14	
			For >500 To 1,000, Deduct	-2.85	
			For >1,000 To 2,000, Deduct	-5.50	
			For >2,000 To 5,000, Deduct	-8.55	
			For >5,000, Deduct	-12.20	
33 01 30 71-0019	LF		60" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	112.66	
			For Up To 75, Add	24.82	
			For >75 To 150, Add	11.27	
			For >500 To 1,000, Deduct	-3.17	
			For >1,000 To 2,000, Deduct	-6.11	
			For >2,000 To 5,000, Deduct	-9.51	
			For >5,000, Deduct	-13.56	
33 01 30 71-0020	LF		66" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	123.92	
			For Up To 75, Add	27.30	
			For >75 To 150, Add	12.39	
			For >500 To 1,000, Deduct	-3.49	
			For >1,000 To 2,000, Deduct	-6.72	
			For >2,000 To 5,000, Deduct	-10.46	
			For >5,000, Deduct	-14.91	
33 01 30 71-0021	LF		72" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane.....	135.18	
			For Up To 75, Add	29.78	
			For >75 To 150, Add	13.52	
			For >500 To 1,000, Deduct	-3.80	
			For >1,000 To 2,000, Deduct	-7.33	
			For >2,000 To 5,000, Deduct	-11.41	
			For >5,000, Deduct	-16.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0022	LF		78" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	146.44	
			For Up To 75, Add	32.26	
			For >75 To 150, Add	14.64	
			For >500 To 1,000, Deduct	-4.12	
			For >1,000 To 2,000, Deduct	-7.94	
			For >2,000 To 5,000, Deduct	-12.36	
			For >5,000, Deduct	-17.62	
33 01 30 71-0023	LF		84" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	157.71	
			For Up To 75, Add	34.75	
			For >75 To 150, Add	15.77	
			For >500 To 1,000, Deduct	-4.44	
			For >1,000 To 2,000, Deduct	-8.55	
			For >2,000 To 5,000, Deduct	-13.31	
			For >5,000, Deduct	-18.98	
33 01 30 71-0024	LF		90" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	168.97	
			For Up To 75, Add	37.23	
			For >75 To 150, Add	16.90	
			For >500 To 1,000, Deduct	-4.75	
			For >1,000 To 2,000, Deduct	-9.16	
			For >2,000 To 5,000, Deduct	-14.26	
			For >5,000, Deduct	-20.33	
33 01 30 71-0025	LF		96" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	180.24	
			For Up To 75, Add	39.71	
			For >75 To 150, Add	18.02	
			For >500 To 1,000, Deduct	-5.07	
			For >1,000 To 2,000, Deduct	-9.77	
			For >2,000 To 5,000, Deduct	-15.21	
			For >5,000, Deduct	-21.69	
33 01 30 71-0026	LF		102" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	191.52	
			For Up To 75, Add	42.20	
			For >75 To 150, Add	19.15	
			For >500 To 1,000, Deduct	-5.39	
			For >1,000 To 2,000, Deduct	-10.38	
			For >2,000 To 5,000, Deduct	-16.16	
			For >5,000, Deduct	-23.04	
33 01 30 71-0027	LF		108" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	202.78	
			For Up To 75, Add	44.68	
			For >75 To 150, Add	20.28	
			For >500 To 1,000, Deduct	-5.70	
			For >1,000 To 2,000, Deduct	-11.00	
			For >2,000 To 5,000, Deduct	-17.11	
			For >5,000, Deduct	-24.40	
33 01 30 71-0028	LF		114" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	214.05	
			For Up To 75, Add	47.16	
			For >75 To 150, Add	21.41	
			For >500 To 1,000, Deduct	-6.02	
			For >1,000 To 2,000, Deduct	-11.61	
			For >2,000 To 5,000, Deduct	-18.06	
			For >5,000, Deduct	-25.75	
33 01 30 71-0029	LF		120" Diameter Pipe Lining, Spray Applied With 100 mil Structural Polyurethane .....	225.31	
			For Up To 75, Add	49.64	
			For >75 To 150, Add	22.53	
			For >500 To 1,000, Deduct	-6.34	
			For >1,000 To 2,000, Deduct	-12.22	
			For >2,000 To 5,000, Deduct	-19.01	
			For >5,000, Deduct	-27.11	
33 01 30 71-0030	SF		Structure Lining, Spray Applied With 100 mil Structural Polyurethane .....	7.18	
<b>33 01 30 71-0031</b>			<b>Lining Pipe, Spray Applied With 150 mil Structural Polyurethane</b> <small>(33 01 30 71-0011)</small>		
			Note: Two part structural polyurethane.		
33 01 30 71-0032	LF		36" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	89.15	
			For Up To 75, Add	19.28	
			For >75 To 150, Add	8.92	
			For >500 To 1,000, Deduct	-2.36	
			For >1,000 To 2,000, Deduct	-4.58	
			For >2,000 To 5,000, Deduct	-7.08	
			For >5,000, Deduct	-10.36	
33 01 30 71-0033	LF		42" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	103.99	
			For Up To 75, Add	22.48	
			For >75 To 150, Add	10.40	
			For >500 To 1,000, Deduct	-2.75	
			For >1,000 To 2,000, Deduct	-5.34	
			For >2,000 To 5,000, Deduct	-8.26	
			For >5,000, Deduct	-12.09	
33 01 30 71-0034	LF		48" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	118.84	
			For Up To 75, Add	25.70	
			For >75 To 150, Add	11.88	
			For >500 To 1,000, Deduct	-3.15	
			For >1,000 To 2,000, Deduct	-6.10	
			For >2,000 To 5,000, Deduct	-9.44	
			For >5,000, Deduct	-13.81	
33 01 30 71-0035	LF		54" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	133.70	
			For Up To 75, Add	28.91	
			For >75 To 150, Add	13.37	
			For >500 To 1,000, Deduct	-3.54	
			For >1,000 To 2,000, Deduct	-6.87	
			For >2,000 To 5,000, Deduct	-10.62	
			For >5,000, Deduct	-15.54	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 71-0036	LF	60" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	148.56
		<i>For Up To 75, Add</i>	32.12
		<i>For &gt;75 To 150, Add</i>	14.86
		<i>For &gt;500 To 1,000, Deduct</i>	-3.93
		<i>For &gt;1,000 To 2,000, Deduct</i>	-7.63
		<i>For &gt;2,000 To 5,000, Deduct</i>	-11.80
		<i>For &gt;5,000, Deduct</i>	-17.27
33 01 30 71-0037	LF	66" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	163.41
		<i>For Up To 75, Add</i>	35.33
		<i>For &gt;75 To 150, Add</i>	16.34
		<i>For &gt;500 To 1,000, Deduct</i>	-4.33
		<i>For &gt;1,000 To 2,000, Deduct</i>	-8.39
		<i>For &gt;2,000 To 5,000, Deduct</i>	-12.98
		<i>For &gt;5,000, Deduct</i>	-18.99
33 01 30 71-0038	LF	72" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	178.28
		<i>For Up To 75, Add</i>	38.55
		<i>For &gt;75 To 150, Add</i>	17.83
		<i>For &gt;500 To 1,000, Deduct</i>	-4.72
		<i>For &gt;1,000 To 2,000, Deduct</i>	-9.15
		<i>For &gt;2,000 To 5,000, Deduct</i>	-14.17
		<i>For &gt;5,000, Deduct</i>	-20.72
33 01 30 71-0039	LF	78" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	193.12
		<i>For Up To 75, Add</i>	41.76
		<i>For &gt;75 To 150, Add</i>	19.31
		<i>For &gt;500 To 1,000, Deduct</i>	-5.12
		<i>For &gt;1,000 To 2,000, Deduct</i>	-9.92
		<i>For &gt;2,000 To 5,000, Deduct</i>	-15.35
		<i>For &gt;5,000, Deduct</i>	-22.44
33 01 30 71-0040	LF	84" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	207.99
		<i>For Up To 75, Add</i>	44.97
		<i>For &gt;75 To 150, Add</i>	20.80
		<i>For &gt;500 To 1,000, Deduct</i>	-5.51
		<i>For &gt;1,000 To 2,000, Deduct</i>	-10.68
		<i>For &gt;2,000 To 5,000, Deduct</i>	-16.53
		<i>For &gt;5,000, Deduct</i>	-24.17
33 01 30 71-0041	LF	90" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	222.84
		<i>For Up To 75, Add</i>	48.18
		<i>For &gt;75 To 150, Add</i>	22.28
		<i>For &gt;500 To 1,000, Deduct</i>	-5.90
		<i>For &gt;1,000 To 2,000, Deduct</i>	-11.44
		<i>For &gt;2,000 To 5,000, Deduct</i>	-17.71
		<i>For &gt;5,000, Deduct</i>	-25.90
33 01 30 71-0042	LF	96" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	237.71
		<i>For Up To 75, Add</i>	51.40
		<i>For &gt;75 To 150, Add</i>	23.77
		<i>For &gt;500 To 1,000, Deduct</i>	-6.30
		<i>For &gt;1,000 To 2,000, Deduct</i>	-12.21
		<i>For &gt;2,000 To 5,000, Deduct</i>	-18.89
		<i>For &gt;5,000, Deduct</i>	-27.63
33 01 30 71-0043	LF	102" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	252.56
		<i>For Up To 75, Add</i>	54.61
		<i>For &gt;75 To 150, Add</i>	25.26
		<i>For &gt;500 To 1,000, Deduct</i>	-6.69
		<i>For &gt;1,000 To 2,000, Deduct</i>	-12.97
		<i>For &gt;2,000 To 5,000, Deduct</i>	-20.07
		<i>For &gt;5,000, Deduct</i>	-29.35
33 01 30 71-0044	LF	108" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	267.42
		<i>For Up To 75, Add</i>	57.82
		<i>For &gt;75 To 150, Add</i>	26.74
		<i>For &gt;500 To 1,000, Deduct</i>	-7.08
		<i>For &gt;1,000 To 2,000, Deduct</i>	-13.73
		<i>For &gt;2,000 To 5,000, Deduct</i>	-21.25
		<i>For &gt;5,000, Deduct</i>	-31.08
33 01 30 71-0045	LF	114" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	282.27
		<i>For Up To 75, Add</i>	61.03
		<i>For &gt;75 To 150, Add</i>	28.23
		<i>For &gt;500 To 1,000, Deduct</i>	-7.48
		<i>For &gt;1,000 To 2,000, Deduct</i>	-14.50
		<i>For &gt;2,000 To 5,000, Deduct</i>	-22.43
		<i>For &gt;5,000, Deduct</i>	-32.80
33 01 30 71-0046	LF	120" Diameter Pipe Lining, Spray Applied With 150 mil Structural Polyurethane .....	297.13
		<i>For Up To 75, Add</i>	64.24
		<i>For &gt;75 To 150, Add</i>	29.71
		<i>For &gt;500 To 1,000, Deduct</i>	-7.87
		<i>For &gt;1,000 To 2,000, Deduct</i>	-15.26
		<i>For &gt;2,000 To 5,000, Deduct</i>	-23.61
		<i>For &gt;5,000, Deduct</i>	-34.53
33 01 30 71-0047	SF	Structure Lining, Spray Applied With 150 mil Structural Polyurethane .....	9.45
33 01 30 71-0048		<b>Lining Pipe, Spray Applied With 200 mil Structural Polyurethane</b> <small>(33 01 30 71-0011)</small>	
		Note: Two part structural polyurethane.	
33 01 30 71-0049	LF	36" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	110.67
		<i>For Up To 75, Add</i>	23.66
		<i>For &gt;75 To 150, Add</i>	11.07
		<i>For &gt;500 To 1,000, Deduct</i>	-2.82
		<i>For &gt;1,000 To 2,000, Deduct</i>	-5.49
		<i>For &gt;2,000 To 5,000, Deduct</i>	-8.47
		<i>For &gt;5,000, Deduct</i>	-12.59

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30 71-0050	LF		42" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	129.13	
				For Up To 75, Add	27.60	
				For >75 To 150, Add	12.91	
				For >500 To 1,000, Deduct	-3.29	
				For >1,000 To 2,000, Deduct	-6.41	
				For >2,000 To 5,000, Deduct	-9.88	
				For >5,000, Deduct	-14.69	
	33 01 30 71-0051	LF		48" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	147.58	
				For Up To 75, Add	31.54	
				For >75 To 150, Add	14.76	
				For >500 To 1,000, Deduct	-3.76	
				For >1,000 To 2,000, Deduct	-7.32	
				For >2,000 To 5,000, Deduct	-11.29	
				For >5,000, Deduct	-16.79	
	33 01 30 71-0052	LF		54" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	166.03	
				For Up To 75, Add	35.49	
				For >75 To 150, Add	16.60	
				For >500 To 1,000, Deduct	-4.23	
				For >1,000 To 2,000, Deduct	-8.24	
				For >2,000 To 5,000, Deduct	-12.70	
				For >5,000, Deduct	-18.89	
	33 01 30 71-0053	LF		60" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	184.48	
				For Up To 75, Add	39.43	
				For >75 To 150, Add	18.45	
				For >500 To 1,000, Deduct	-4.70	
				For >1,000 To 2,000, Deduct	-9.15	
				For >2,000 To 5,000, Deduct	-14.11	
				For >5,000, Deduct	-20.98	
	33 01 30 71-0054	LF		66" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	202.92	
				For Up To 75, Add	43.37	
				For >75 To 150, Add	20.29	
				For >500 To 1,000, Deduct	-5.17	
				For >1,000 To 2,000, Deduct	-10.07	
				For >2,000 To 5,000, Deduct	-15.52	
				For >5,000, Deduct	-23.08	
	33 01 30 71-0055	LF		72" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	221.37	
				For Up To 75, Add	47.32	
				For >75 To 150, Add	22.14	
				For >500 To 1,000, Deduct	-5.64	
				For >1,000 To 2,000, Deduct	-10.98	
				For >2,000 To 5,000, Deduct	-16.93	
				For >5,000, Deduct	-25.18	
	33 01 30 71-0056	LF		78" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	239.81	
				For Up To 75, Add	51.26	
				For >75 To 150, Add	23.98	
				For >500 To 1,000, Deduct	-6.11	
				For >1,000 To 2,000, Deduct	-11.90	
				For >2,000 To 5,000, Deduct	-18.34	
				For >5,000, Deduct	-27.28	
	33 01 30 71-0057	LF		84" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	258.27	
				For Up To 75, Add	55.20	
				For >75 To 150, Add	25.83	
				For >500 To 1,000, Deduct	-6.59	
				For >1,000 To 2,000, Deduct	-12.82	
				For >2,000 To 5,000, Deduct	-19.76	
				For >5,000, Deduct	-29.38	
	33 01 30 71-0058	LF		90" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	276.72	
				For Up To 75, Add	59.15	
				For >75 To 150, Add	27.67	
				For >500 To 1,000, Deduct	-7.06	
				For >1,000 To 2,000, Deduct	-13.73	
				For >2,000 To 5,000, Deduct	-21.17	
				For >5,000, Deduct	-31.48	
	33 01 30 71-0059	LF		96" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	295.17	
				For Up To 75, Add	63.09	
				For >75 To 150, Add	29.52	
				For >500 To 1,000, Deduct	-7.53	
				For >1,000 To 2,000, Deduct	-14.65	
				For >2,000 To 5,000, Deduct	-22.58	
				For >5,000, Deduct	-33.58	
	33 01 30 71-0060	LF		102" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	313.62	
				For Up To 75, Add	67.04	
				For >75 To 150, Add	31.36	
				For >500 To 1,000, Deduct	-8.00	
				For >1,000 To 2,000, Deduct	-15.56	
				For >2,000 To 5,000, Deduct	-23.99	
				For >5,000, Deduct	-35.67	
	33 01 30 71-0061	LF		108" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	332.05	
				For Up To 75, Add	70.97	
				For >75 To 150, Add	33.21	
				For >500 To 1,000, Deduct	-8.47	
				For >1,000 To 2,000, Deduct	-16.48	
				For >2,000 To 5,000, Deduct	-25.40	
				For >5,000, Deduct	-37.77	
	33 01 30 71-0062	LF		114" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	350.51	
				For Up To 75, Add	74.92	
				For >75 To 150, Add	35.05	
				For >500 To 1,000, Deduct	-8.94	
				For >1,000 To 2,000, Deduct	-17.39	
				For >2,000 To 5,000, Deduct	-26.81	
				For >5,000, Deduct	-39.87	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 71-0063	LF	120" Diameter Pipe Lining, Spray Applied With 200 mil Structural Polyurethane .....	368.94
		<i>For Up To 75, Add</i>	78.86
		<i>For &gt;75 To 150, Add</i>	36.89
		<i>For &gt;500 To 1,000, Deduct</i>	-9.41
		<i>For &gt;1,000 To 2,000, Deduct</i>	-18.31
		<i>For &gt;2,000 To 5,000, Deduct</i>	-28.22
		<i>For &gt;5,000, Deduct</i>	-41.97
33 01 30 71-0064	SF	Structure Lining, Spray Applied With 200 mil Structural Polyurethane .....	11.75

**33 01 30 71-0065 Lining Pipe, Spray Applied With 250 mil Structural Polyurethane** (33 01 30 71-0011)

Note: Two part structural polyurethane.

33 01 30 71-0066	LF	36" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	132.35
		<i>For Up To 75, Add</i>	28.07
		<i>For &gt;75 To 150, Add</i>	13.24
		<i>For &gt;500 To 1,000, Deduct</i>	-3.29
		<i>For &gt;1,000 To 2,000, Deduct</i>	-6.42
		<i>For &gt;2,000 To 5,000, Deduct</i>	-9.86
		<i>For &gt;5,000, Deduct</i>	-14.84
33 01 30 71-0067	LF	42" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	154.42
		<i>For Up To 75, Add</i>	32.75
		<i>For &gt;75 To 150, Add</i>	15.44
		<i>For &gt;500 To 1,000, Deduct</i>	-3.84
		<i>For &gt;1,000 To 2,000, Deduct</i>	-7.49
		<i>For &gt;2,000 To 5,000, Deduct</i>	-11.51
		<i>For &gt;5,000, Deduct</i>	-17.31
33 01 30 71-0068	LF	48" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	176.47
		<i>For Up To 75, Add</i>	37.43
		<i>For &gt;75 To 150, Add</i>	17.65
		<i>For &gt;500 To 1,000, Deduct</i>	-4.38
		<i>For &gt;1,000 To 2,000, Deduct</i>	-8.55
		<i>For &gt;2,000 To 5,000, Deduct</i>	-13.15
		<i>For &gt;5,000, Deduct</i>	-19.78
33 01 30 71-0069	LF	54" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	198.53
		<i>For Up To 75, Add</i>	42.11
		<i>For &gt;75 To 150, Add</i>	19.85
		<i>For &gt;500 To 1,000, Deduct</i>	-4.93
		<i>For &gt;1,000 To 2,000, Deduct</i>	-9.62
		<i>For &gt;2,000 To 5,000, Deduct</i>	-14.79
		<i>For &gt;5,000, Deduct</i>	-22.26
33 01 30 71-0070	LF	60" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	220.59
		<i>For Up To 75, Add</i>	46.79
		<i>For &gt;75 To 150, Add</i>	22.06
		<i>For &gt;500 To 1,000, Deduct</i>	-5.48
		<i>For &gt;1,000 To 2,000, Deduct</i>	-10.69
		<i>For &gt;2,000 To 5,000, Deduct</i>	-16.44
		<i>For &gt;5,000, Deduct</i>	-24.73
33 01 30 71-0071	LF	66" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	242.64
		<i>For Up To 75, Add</i>	51.46
		<i>For &gt;75 To 150, Add</i>	24.26
		<i>For &gt;500 To 1,000, Deduct</i>	-6.03
		<i>For &gt;1,000 To 2,000, Deduct</i>	-11.76
		<i>For &gt;2,000 To 5,000, Deduct</i>	-18.08
		<i>For &gt;5,000, Deduct</i>	-27.20
33 01 30 71-0072	LF	72" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	264.71
		<i>For Up To 75, Add</i>	56.15
		<i>For &gt;75 To 150, Add</i>	26.47
		<i>For &gt;500 To 1,000, Deduct</i>	-6.58
		<i>For &gt;1,000 To 2,000, Deduct</i>	-12.83
		<i>For &gt;2,000 To 5,000, Deduct</i>	-19.73
		<i>For &gt;5,000, Deduct</i>	-29.67
33 01 30 71-0073	LF	78" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	286.76
		<i>For Up To 75, Add</i>	60.82
		<i>For &gt;75 To 150, Add</i>	28.68
		<i>For &gt;500 To 1,000, Deduct</i>	-7.12
		<i>For &gt;1,000 To 2,000, Deduct</i>	-13.90
		<i>For &gt;2,000 To 5,000, Deduct</i>	-21.37
		<i>For &gt;5,000, Deduct</i>	-32.15
33 01 30 71-0074	LF	84" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	308.81
		<i>For Up To 75, Add</i>	65.50
		<i>For &gt;75 To 150, Add</i>	30.88
		<i>For &gt;500 To 1,000, Deduct</i>	-7.67
		<i>For &gt;1,000 To 2,000, Deduct</i>	-14.97
		<i>For &gt;2,000 To 5,000, Deduct</i>	-23.01
		<i>For &gt;5,000, Deduct</i>	-34.62
33 01 30 71-0075	LF	90" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	330.88
		<i>For Up To 75, Add</i>	70.18
		<i>For &gt;75 To 150, Add</i>	33.09
		<i>For &gt;500 To 1,000, Deduct</i>	-8.22
		<i>For &gt;1,000 To 2,000, Deduct</i>	-16.04
		<i>For &gt;2,000 To 5,000, Deduct</i>	-24.66
		<i>For &gt;5,000, Deduct</i>	-37.09
33 01 30 71-0076	LF	96" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	352.93
		<i>For Up To 75, Add</i>	74.86
		<i>For &gt;75 To 150, Add</i>	35.29
		<i>For &gt;500 To 1,000, Deduct</i>	-8.77
		<i>For &gt;1,000 To 2,000, Deduct</i>	-17.11
		<i>For &gt;2,000 To 5,000, Deduct</i>	-26.30
		<i>For &gt;5,000, Deduct</i>	-39.56

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0077	LF		102" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	374.99	
			For Up To 75, Add	79.54	
			For >75 To 150, Add	37.50	
			For >500 To 1,000, Deduct	-9.32	
			For >1,000 To 2,000, Deduct	-18.18	
			For >2,000 To 5,000, Deduct	-27.95	
			For >5,000, Deduct	-42.04	
33 01 30 71-0078	LF		108" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	397.06	
			For Up To 75, Add	84.22	
			For >75 To 150, Add	39.71	
			For >500 To 1,000, Deduct	-9.86	
			For >1,000 To 2,000, Deduct	-19.25	
			For >2,000 To 5,000, Deduct	-29.59	
			For >5,000, Deduct	-44.51	
33 01 30 71-0079	LF		114" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	419.10	
			For Up To 75, Add	88.89	
			For >75 To 150, Add	41.91	
			For >500 To 1,000, Deduct	-10.41	
			For >1,000 To 2,000, Deduct	-20.31	
			For >2,000 To 5,000, Deduct	-31.23	
			For >5,000, Deduct	-46.98	
33 01 30 71-0080	LF		120" Diameter Pipe Lining, Spray Applied With 250 mil Structural Polyurethane .....	441.17	
			For Up To 75, Add	93.57	
			For >75 To 150, Add	44.12	
			For >500 To 1,000, Deduct	-10.96	
			For >1,000 To 2,000, Deduct	-21.38	
			For >2,000 To 5,000, Deduct	-32.88	
			For >5,000, Deduct	-49.46	
33 01 30 71-0081	SF		Structure Lining, Spray Applied With 250 mil Structural Polyurethane .....	14.04	
33 01 30 71-0082	<b>Lining Pipe, Spray Applied With 300 mil Structural Polyurethane</b> (33 01 30 71-0011)				
	Note: Two part structural polyurethane.				
33 01 30 71-0083	LF		36" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	154.18	
			For Up To 75, Add	32.52	
			For >75 To 150, Add	15.42	
			For >500 To 1,000, Deduct	-3.76	
			For >1,000 To 2,000, Deduct	-7.35	
			For >2,000 To 5,000, Deduct	-11.27	
			For >5,000, Deduct	-17.10	
33 01 30 71-0084	LF		42" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	179.86	
			For Up To 75, Add	37.94	
			For >75 To 150, Add	17.99	
			For >500 To 1,000, Deduct	-4.38	
			For >1,000 To 2,000, Deduct	-8.57	
			For >2,000 To 5,000, Deduct	-13.15	
			For >5,000, Deduct	-19.95	
33 01 30 71-0085	LF		48" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	205.57	
			For Up To 75, Add	43.36	
			For >75 To 150, Add	20.56	
			For >500 To 1,000, Deduct	-5.01	
			For >1,000 To 2,000, Deduct	-9.80	
			For >2,000 To 5,000, Deduct	-15.03	
			For >5,000, Deduct	-22.81	
33 01 30 71-0086	LF		54" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	231.26	
			For Up To 75, Add	48.78	
			For >75 To 150, Add	23.13	
			For >500 To 1,000, Deduct	-5.64	
			For >1,000 To 2,000, Deduct	-11.02	
			For >2,000 To 5,000, Deduct	-16.91	
			For >5,000, Deduct	-25.66	
33 01 30 71-0087	LF		60" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	256.96	
			For Up To 75, Add	54.20	
			For >75 To 150, Add	25.70	
			For >500 To 1,000, Deduct	-6.26	
			For >1,000 To 2,000, Deduct	-12.25	
			For >2,000 To 5,000, Deduct	-18.79	
			For >5,000, Deduct	-28.51	
33 01 30 71-0088	LF		66" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	282.66	
			For Up To 75, Add	59.62	
			For >75 To 150, Add	28.27	
			For >500 To 1,000, Deduct	-6.89	
			For >1,000 To 2,000, Deduct	-13.47	
			For >2,000 To 5,000, Deduct	-20.67	
			For >5,000, Deduct	-31.36	
33 01 30 71-0089	LF		72" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	308.34	
			For Up To 75, Add	65.04	
			For >75 To 150, Add	30.83	
			For >500 To 1,000, Deduct	-7.52	
			For >1,000 To 2,000, Deduct	-14.69	
			For >2,000 To 5,000, Deduct	-22.55	
			For >5,000, Deduct	-34.21	
33 01 30 71-0090	LF		78" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	334.05	
			For Up To 75, Add	70.46	
			For >75 To 150, Add	33.41	
			For >500 To 1,000, Deduct	-8.14	
			For >1,000 To 2,000, Deduct	-15.92	
			For >2,000 To 5,000, Deduct	-24.43	
			For >5,000, Deduct	-37.06	



**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0091	LF		84" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	359.75	
			<i>For Up To 75, Add</i>	75.88	
			<i>For &gt;75 To 150, Add</i>	35.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.77	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-17.14	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-26.31	
			<i>For &gt;5,000, Deduct</i>	-39.91	
33 01 30 71-0092	LF		90" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	385.44	
			<i>For Up To 75, Add</i>	81.30	
			<i>For &gt;75 To 150, Add</i>	38.54	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.39	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-18.37	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-28.18	
			<i>For &gt;5,000, Deduct</i>	-42.76	
33 01 30 71-0093	LF		96" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	411.14	
			<i>For Up To 75, Add</i>	86.72	
			<i>For &gt;75 To 150, Add</i>	41.11	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.02	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-19.59	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-30.06	
			<i>For &gt;5,000, Deduct</i>	-45.61	
33 01 30 71-0094	LF		102" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	436.83	
			<i>For Up To 75, Add</i>	92.14	
			<i>For &gt;75 To 150, Add</i>	43.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.65	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-20.82	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-31.94	
			<i>For &gt;5,000, Deduct</i>	-48.46	
33 01 30 71-0095	LF		108" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	462.52	
			<i>For Up To 75, Add</i>	97.56	
			<i>For &gt;75 To 150, Add</i>	46.25	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.27	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-22.04	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-33.82	
			<i>For &gt;5,000, Deduct</i>	-51.31	
33 01 30 71-0096	LF		114" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	488.23	
			<i>For Up To 75, Add</i>	102.99	
			<i>For &gt;75 To 150, Add</i>	48.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.90	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-23.27	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-35.70	
			<i>For &gt;5,000, Deduct</i>	-54.16	
33 01 30 71-0097	LF		120" Diameter Pipe Lining, Spray Applied With 300 mil Structural Polyurethane .....	513.91	
			<i>For Up To 75, Add</i>	108.40	
			<i>For &gt;75 To 150, Add</i>	51.39	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.53	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-24.49	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-37.58	
			<i>For &gt;5,000, Deduct</i>	-57.01	
33 01 30 71-0098	SF		Structure Lining, Spray Applied With 300 mil Structural Polyurethane .....	16.35	
33 01 30 71-0099			<b>Lining Pipe, Spray Applied With 400 mil Structural Polyurethane</b> <small>(33 01 30 71-0011)</small>		
			Note: Two part structural polyurethane.		
33 01 30 71-0100	LF		36" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	197.97	
			<i>For Up To 75, Add</i>	41.47	
			<i>For &gt;75 To 150, Add</i>	19.80	
			<i>For &gt;500 To 1,000, Deduct</i>	-4.71	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-9.23	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-14.13	
			<i>For &gt;5,000, Deduct</i>	-21.67	
33 01 30 71-0101	LF		42" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	230.98	
			<i>For Up To 75, Add</i>	48.38	
			<i>For &gt;75 To 150, Add</i>	23.10	
			<i>For &gt;500 To 1,000, Deduct</i>	-5.49	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-10.77	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-16.48	
			<i>For &gt;5,000, Deduct</i>	-25.28	
33 01 30 71-0102	LF		48" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	263.97	
			<i>For Up To 75, Add</i>	55.29	
			<i>For &gt;75 To 150, Add</i>	26.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-6.28	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-12.31	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-18.84	
			<i>For &gt;5,000, Deduct</i>	-28.90	
33 01 30 71-0103	LF		54" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	296.96	
			<i>For Up To 75, Add</i>	62.20	
			<i>For &gt;75 To 150, Add</i>	29.70	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.06	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-13.85	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-21.19	
			<i>For &gt;5,000, Deduct</i>	-32.51	
33 01 30 71-0104	LF		60" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	329.95	
			<i>For Up To 75, Add</i>	69.11	
			<i>For &gt;75 To 150, Add</i>	33.00	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.85	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-15.38	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-23.54	
			<i>For &gt;5,000, Deduct</i>	-36.12	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0105	LF		66" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	362.97	
			For Up To 75, Add	76.03	
			For >75 To 150, Add	36.30	
			For >500 To 1,000, Deduct	-8.63	
			For >1,000 To 2,000, Deduct	-16.92	
			For >2,000 To 5,000, Deduct	-25.90	
			For >5,000, Deduct	-39.73	
33 01 30 71-0106	LF		72" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	395.95	
			For Up To 75, Add	82.94	
			For >75 To 150, Add	39.60	
			For >500 To 1,000, Deduct	-9.42	
			For >1,000 To 2,000, Deduct	-18.46	
			For >2,000 To 5,000, Deduct	-28.25	
			For >5,000, Deduct	-43.34	
33 01 30 71-0107	LF		78" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	428.95	
			For Up To 75, Add	89.85	
			For >75 To 150, Add	42.90	
			For >500 To 1,000, Deduct	-10.20	
			For >1,000 To 2,000, Deduct	-20.00	
			For >2,000 To 5,000, Deduct	-30.61	
			For >5,000, Deduct	-46.95	
33 01 30 71-0108	LF		84" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	461.94	
			For Up To 75, Add	96.76	
			For >75 To 150, Add	46.19	
			For >500 To 1,000, Deduct	-10.99	
			For >1,000 To 2,000, Deduct	-21.54	
			For >2,000 To 5,000, Deduct	-32.96	
			For >5,000, Deduct	-50.57	
33 01 30 71-0109	LF		90" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	494.94	
			For Up To 75, Add	103.67	
			For >75 To 150, Add	49.49	
			For >500 To 1,000, Deduct	-11.77	
			For >1,000 To 2,000, Deduct	-23.08	
			For >2,000 To 5,000, Deduct	-35.32	
			For >5,000, Deduct	-54.18	
33 01 30 71-0110	LF		96" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	527.93	
			For Up To 75, Add	110.58	
			For >75 To 150, Add	52.79	
			For >500 To 1,000, Deduct	-12.56	
			For >1,000 To 2,000, Deduct	-24.61	
			For >2,000 To 5,000, Deduct	-37.67	
			For >5,000, Deduct	-57.79	
33 01 30 71-0111	LF		102" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	560.93	
			For Up To 75, Add	117.49	
			For >75 To 150, Add	56.09	
			For >500 To 1,000, Deduct	-13.34	
			For >1,000 To 2,000, Deduct	-26.15	
			For >2,000 To 5,000, Deduct	-40.03	
			For >5,000, Deduct	-61.40	
33 01 30 71-0112	LF		108" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	593.91	
			For Up To 75, Add	124.40	
			For >75 To 150, Add	59.39	
			For >500 To 1,000, Deduct	-14.13	
			For >1,000 To 2,000, Deduct	-27.69	
			For >2,000 To 5,000, Deduct	-42.38	
			For >5,000, Deduct	-65.01	
33 01 30 71-0113	LF		114" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	626.92	
			For Up To 75, Add	131.32	
			For >75 To 150, Add	62.69	
			For >500 To 1,000, Deduct	-14.91	
			For >1,000 To 2,000, Deduct	-29.23	
			For >2,000 To 5,000, Deduct	-44.73	
			For >5,000, Deduct	-68.62	
33 01 30 71-0114	LF		120" Diameter Pipe Lining, Spray Applied With 400 mil Structural Polyurethane .....	659.92	
			For Up To 75, Add	138.23	
			For >75 To 150, Add	65.99	
			For >500 To 1,000, Deduct	-15.70	
			For >1,000 To 2,000, Deduct	-30.77	
			For >2,000 To 5,000, Deduct	-47.09	
			For >5,000, Deduct	-72.24	
33 01 30 71-0115	SF		Structure Lining, Spray Applied With 400 mil Structural Polyurethane .....	21.00	
<b>33 01 30 71-0116</b>			<b>Lining Pipe, Spray Applied With 500 mil Structural Polyurethane</b> (33 01 30 71-0011)		
			Note: Two part structural polyurethane.		
33 01 30 71-0117	LF		36" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	242.27	
			For Up To 75, Add	50.54	
			For >75 To 150, Add	24.23	
			For >500 To 1,000, Deduct	-5.68	
			For >1,000 To 2,000, Deduct	-11.15	
			For >2,000 To 5,000, Deduct	-17.03	
			For >5,000, Deduct	-26.31	
33 01 30 71-0118	LF		42" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	282.64	
			For Up To 75, Add	58.96	
			For >75 To 150, Add	28.26	
			For >500 To 1,000, Deduct	-6.62	
			For >1,000 To 2,000, Deduct	-13.01	
			For >2,000 To 5,000, Deduct	-19.87	
			For >5,000, Deduct	-30.69	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 71-0119	LF		48" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	323.02	
			<i>For Up To 75, Add</i>	67.38	
			<i>For &gt;75 To 150, Add</i>	32.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-7.57	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-14.86	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-22.71	
			<i>For &gt;5,000, Deduct</i>	-35.08	
33 01 30 71-0120	LF		54" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	363.39	
			<i>For Up To 75, Add</i>	75.80	
			<i>For &gt;75 To 150, Add</i>	36.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-8.52	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-16.72	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-25.55	
			<i>For &gt;5,000, Deduct</i>	-39.46	
33 01 30 71-0121	LF		60" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	403.77	
			<i>For Up To 75, Add</i>	84.22	
			<i>For &gt;75 To 150, Add</i>	40.38	
			<i>For &gt;500 To 1,000, Deduct</i>	-9.46	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-18.58	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-28.39	
			<i>For &gt;5,000, Deduct</i>	-43.85	
33 01 30 71-0122	LF		66" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	444.15	
			<i>For Up To 75, Add</i>	92.65	
			<i>For &gt;75 To 150, Add</i>	44.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-10.41	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-20.44	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-31.23	
			<i>For &gt;5,000, Deduct</i>	-48.23	
33 01 30 71-0123	LF		72" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	484.53	
			<i>For Up To 75, Add</i>	101.07	
			<i>For &gt;75 To 150, Add</i>	48.45	
			<i>For &gt;500 To 1,000, Deduct</i>	-11.36	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-22.30	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-34.07	
			<i>For &gt;5,000, Deduct</i>	-52.62	
33 01 30 71-0124	LF		78" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	524.91	
			<i>For Up To 75, Add</i>	109.49	
			<i>For &gt;75 To 150, Add</i>	52.49	
			<i>For &gt;500 To 1,000, Deduct</i>	-12.30	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-24.15	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-36.91	
			<i>For &gt;5,000, Deduct</i>	-57.00	
33 01 30 71-0125	LF		84" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	565.28	
			<i>For Up To 75, Add</i>	117.91	
			<i>For &gt;75 To 150, Add</i>	56.53	
			<i>For &gt;500 To 1,000, Deduct</i>	-13.25	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-26.01	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-39.74	
			<i>For &gt;5,000, Deduct</i>	-61.38	
33 01 30 71-0126	LF		90" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	605.66	
			<i>For Up To 75, Add</i>	126.34	
			<i>For &gt;75 To 150, Add</i>	60.57	
			<i>For &gt;500 To 1,000, Deduct</i>	-14.19	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-27.87	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-42.58	
			<i>For &gt;5,000, Deduct</i>	-65.77	
33 01 30 71-0127	LF		96" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	646.04	
			<i>For Up To 75, Add</i>	134.76	
			<i>For &gt;75 To 150, Add</i>	64.60	
			<i>For &gt;500 To 1,000, Deduct</i>	-15.14	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-29.73	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-45.42	
			<i>For &gt;5,000, Deduct</i>	-70.15	
33 01 30 71-0128	LF		102" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	686.42	
			<i>For Up To 75, Add</i>	143.18	
			<i>For &gt;75 To 150, Add</i>	68.64	
			<i>For &gt;500 To 1,000, Deduct</i>	-16.09	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-31.59	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-48.26	
			<i>For &gt;5,000, Deduct</i>	-74.54	
33 01 30 71-0129	LF		108" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	726.80	
			<i>For Up To 75, Add</i>	151.60	
			<i>For &gt;75 To 150, Add</i>	72.68	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.03	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-33.44	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-51.10	
			<i>For &gt;5,000, Deduct</i>	-78.92	
33 01 30 71-0130	LF		114" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	767.17	
			<i>For Up To 75, Add</i>	160.03	
			<i>For &gt;75 To 150, Add</i>	76.72	
			<i>For &gt;500 To 1,000, Deduct</i>	-17.98	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-35.30	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-53.94	
			<i>For &gt;5,000, Deduct</i>	-83.31	
33 01 30 71-0131	LF		120" Diameter Pipe Lining, Spray Applied With 500 mil Structural Polyurethane .....	807.54	
			<i>For Up To 75, Add</i>	168.45	
			<i>For &gt;75 To 150, Add</i>	80.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-18.93	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-37.16	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-56.78	
			<i>For &gt;5,000, Deduct</i>	-87.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 71-0132 SF Structure Lining, Spray Applied With 500 mil Structural Polyurethane .....25.70

**33 01 30 72 Cured-in-Place Pipe Lining** (33 01 30)

**33 01 30 72-0001 Cured-In-Place Pipe (CIPP) Relining Underground Pipelines** (33 01 30 72)

Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.

**33 01 30 72-0002 Cured In-Place Pipe (CIPP) Lining Set-Up And Reinsertion** (33 01 30 72-0001)

33 01 30 72-0003	EA	Initial Set Up And Final Equipment Removal For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....		1,940.95
33 01 30 72-0004	EA	Initial Set Up And Final Equipment Removal For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....		3,234.91
33 01 30 72-0005	EA	Initial Set Up And Final Equipment Removal For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....		4,852.36
33 01 30 72-0006	EA	Initial Set Up And Final Equipment Removal For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....		6,469.82
33 01 30 72-0007	EA	Move And Reset Up At Different Access/Location For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....		970.47
33 01 30 72-0008	EA	Move And Reset Up At Different Access/Location For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....		1,617.45
33 01 30 72-0009	EA	Move And Reset Up At Different Access/Location For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....		2,021.82
33 01 30 72-0010	EA	Move And Reset Up At Different Access/Location For Relining > 48" Underground Pipelines Cured In-Place Pipe (CIPP).....		2,587.93
33 01 30 72-0011	EA	Mixing Truck And Refrigeration For Relining Up To 12" Underground Pipelines Cured In-Place Pipe (CIPP).....		1,617.45
Note: Need to mix wet material in bag prior to installation.				
33 01 30 72-0012	EA	Mixing Truck And Refrigeration For Relining >12" To 24" Underground Pipelines Cured In-Place Pipe (CIPP).....		3,881.89
Note: Need to mix wet material in bag prior to installation.				
33 01 30 72-0013	EA	Mixing Truck And Refrigeration For Relining >24" To 48" Underground Pipelines Cured In-Place Pipe (CIPP).....		6,469.82
Note: Need to mix wet material in bag prior to installation.				
33 01 30 72-0014	EA	Mixing Truck And Refrigeration For Relining >48" Underground Pipelines Cured In-Place Pipe (CIPP).....		9,704.73
Note: Need to mix wet material in bag prior to installation.				

**33 01 30 72-0015 Lining Pipe With Polyester Resin Impregnated Cured In-Place Pipe (CIPP)**

(33 01 30 72-0001)

Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection, culvert cleaning and grouting. Use round equivalent pipe sizes for elliptical, oval or arched pipe.

**33 01 30 72-0016 4.5mm Thick Lining Cured In-Place Pipe** (33 01 30 72-0015)

33 01 30 72-0017	LF	4.5mm Lining 2" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		26.49
For Up To >10, Add				55.70
For >10 To 25, Add				44.83
For >25 To 50, Add				27.37
For >50 To 100, Add				13.69
For >500 To 1,000, Deduct				-1.75
For >1,000 To 2,000, Deduct				-2.84
For >2,000 To 5,000, Deduct				-5.39
For >5,000, Deduct				-8.69
For Vinlyester Resin, Add				6.66
For Epoxy Resin, Add				0.78
33 01 30 72-0018	LF	4.5mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		31.70
For Up To >10, Add				58.30
For >10 To 25, Add				46.13
For >25 To 50, Add				28.41
For >50 To 100, Add				14.21
For >500 To 1,000, Deduct				-2.01
For >1,000 To 2,000, Deduct				-3.23
For >2,000 To 5,000, Deduct				-6.01
For >5,000, Deduct				-9.74
For Vinlyester Resin, Add				10.30
For Epoxy Resin, Add				1.21
33 01 30 72-0019	LF	4.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		36.92
For Up To >10, Add				60.91
For >10 To 25, Add				47.44
For >25 To 50, Add				29.46
For >50 To 100, Add				14.73
For >500 To 1,000, Deduct				-2.27
For >1,000 To 2,000, Deduct				-3.62
For >2,000 To 5,000, Deduct				-6.64
For >5,000, Deduct				-10.78
For Vinlyester Resin, Add				13.96
For Epoxy Resin, Add				1.65
33 01 30 72-0020	LF	4.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....		48.97
For Up To >10, Add				70.99
For >10 To 25, Add				54.09
For >25 To 50, Add				33.97
For >50 To 100, Add				16.99
For >500 To 1,000, Deduct				-2.91
For >1,000 To 2,000, Deduct				-4.60
For >2,000 To 5,000, Deduct				-8.29
For >5,000, Deduct				-13.51
For Vinlyester Resin, Add				21.26
For Epoxy Resin, Add				2.51

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0021	LF	4.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	61.03
		For Up To >10, Add	81.07
		For >10 To 25, Add	60.75
		For >25 To 50, Add	38.49
		For >50 To 100, Add	19.25
		For >500 To 1,000, Deduct	-3.56
		For >1,000 To 2,000, Deduct	-5.59
		For >2,000 To 5,000, Deduct	-9.95
		For >5,000, Deduct	-16.25
		For Vinlyester Resin, Add	28.57
		For Epoxy Resin, Add	3.37

**33 01 30 72-0022 6mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0023	LF	6mm Lining 3" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	36.20
		For Up To >10, Add	60.55
		For >10 To 25, Add	47.26
		For >25 To 50, Add	29.31
		For >50 To 100, Add	14.66
		For >500 To 1,000, Deduct	-2.23
		For >1,000 To 2,000, Deduct	-3.56
		For >2,000 To 5,000, Deduct	-6.55
		For >5,000, Deduct	-10.64
		For Vinlyester Resin, Add	13.45
		For Epoxy Resin, Add	1.59
33 01 30 72-0024	LF	6mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	43.16
		For Up To >10, Add	64.03
		For >10 To 25, Add	49.00
		For >25 To 50, Add	30.71
		For >50 To 100, Add	15.35
		For >500 To 1,000, Deduct	-2.58
		For >1,000 To 2,000, Deduct	-4.09
		For >2,000 To 5,000, Deduct	-7.39
		For >5,000, Deduct	-12.03
		For Vinlyester Resin, Add	18.33
		For Epoxy Resin, Add	2.16
33 01 30 72-0025	LF	6mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	58.69
		For Up To >10, Add	75.85
		For >10 To 25, Add	56.52
		For >25 To 50, Add	35.92
		For >50 To 100, Add	17.96
		For >500 To 1,000, Deduct	-3.40
		For >1,000 To 2,000, Deduct	-5.33
		For >2,000 To 5,000, Deduct	-9.46
		For >5,000, Deduct	-15.46
		For Vinlyester Resin, Add	28.06
		For Epoxy Resin, Add	3.31
33 01 30 72-0026	LF	6mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	74.22
		For Up To >10, Add	87.66
		For >10 To 25, Add	64.05
		For >25 To 50, Add	41.13
		For >50 To 100, Add	20.57
		For >500 To 1,000, Deduct	-4.22
		For >1,000 To 2,000, Deduct	-6.58
		For >2,000 To 5,000, Deduct	-11.54
		For >5,000, Deduct	-18.89
		For Vinlyester Resin, Add	37.80
		For Epoxy Resin, Add	4.46
33 01 30 72-0027	LF	6mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	89.91
		For Up To >10, Add	99.96
		For >10 To 25, Add	71.98
		For >25 To 50, Add	46.58
		For >50 To 100, Add	23.29
		For >500 To 1,000, Deduct	-5.05
		For >1,000 To 2,000, Deduct	-7.84
		For >2,000 To 5,000, Deduct	-13.65
		For >5,000, Deduct	-22.38
		For Vinlyester Resin, Add	47.54
		For Epoxy Resin, Add	5.60
33 01 30 72-0028	LF	6mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	106.09
		For Up To >10, Add	113.72
		For >10 To 25, Add	81.13
		For >25 To 50, Add	52.77
		For >50 To 100, Add	26.38
		For >500 To 1,000, Deduct	-5.91
		For >1,000 To 2,000, Deduct	-9.17
		For >2,000 To 5,000, Deduct	-15.89
		For >5,000, Deduct	-26.07

**33 01 30 72-0029 7.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0030	LF		7.5mm Lining 4" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	49.19	
			For Up To >10, Add	67.05	
			For >10 To 25, Add	50.50	
			For >25 To 50, Add	31.91	
			For >50 To 100, Add	15.96	
			For >500 To 1,000, Deduct	-2.88	
			For >1,000 To 2,000, Deduct	-4.54	
			For >2,000 To 5,000, Deduct	-8.11	
			For >5,000, Deduct	-13.23	
			For Vinlyester Resin, Add	22.55	
			For Epoxy Resin, Add	2.66	
33 01 30 72-0031	LF		7.5mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	68.19	
			For Up To >10, Add	80.60	
			For >10 To 25, Add	58.90	
			For >25 To 50, Add	37.82	
			For >50 To 100, Add	18.91	
			For >500 To 1,000, Deduct	-3.87	
			For >1,000 To 2,000, Deduct	-6.04	
			For >2,000 To 5,000, Deduct	-10.60	
			For >5,000, Deduct	-17.36	
			For Vinlyester Resin, Add	34.71	
			For Epoxy Resin, Add	4.09	
33 01 30 72-0032	LF		7.5mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	87.20	
			For Up To >10, Add	94.15	
			For >10 To 25, Add	67.30	
			For >25 To 50, Add	43.73	
			For >50 To 100, Add	21.86	
			For >500 To 1,000, Deduct	-4.87	
			For >1,000 To 2,000, Deduct	-7.55	
			For >2,000 To 5,000, Deduct	-13.09	
			For >5,000, Deduct	-21.48	
			For Vinlyester Resin, Add	46.89	
			For Epoxy Resin, Add	5.53	
33 01 30 72-0033	LF		7.5mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	106.37	
			For Up To >10, Add	108.19	
			For >10 To 25, Add	76.09	
			For >25 To 50, Add	49.87	
			For >50 To 100, Add	24.94	
			For >500 To 1,000, Deduct	-5.87	
			For >1,000 To 2,000, Deduct	-9.08	
			For >2,000 To 5,000, Deduct	-15.62	
			For >5,000, Deduct	-25.67	
			For Vinlyester Resin, Add	59.06	
			For Epoxy Resin, Add	6.96	
33 01 30 72-0034	LF		7.5mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	126.02	
			For Up To >10, Add	123.69	
			For >10 To 25, Add	86.11	
			For >25 To 50, Add	56.76	
			For >50 To 100, Add	28.38	
			For >500 To 1,000, Deduct	-6.91	
			For >1,000 To 2,000, Deduct	-10.67	
			For >2,000 To 5,000, Deduct	-18.28	
			For >5,000, Deduct	-30.06	
33 01 30 72-0035	LF		7.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	155.33	
			For Up To >10, Add	146.39	
			For >10 To 25, Add	100.69	
			For >25 To 50, Add	66.80	
			For >50 To 100, Add	33.40	
			For >500 To 1,000, Deduct	-8.45	
			For >1,000 To 2,000, Deduct	-13.02	
			For >2,000 To 5,000, Deduct	-22.21	
			For >5,000, Deduct	-36.56	
33 01 30 72-0036	LF		7.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	184.96	
			For Up To >10, Add	170.11	
			For >10 To 25, Add	116.10	
			For >25 To 50, Add	77.36	
			For >50 To 100, Add	38.68	
			For >500 To 1,000, Deduct	-10.02	
			For >1,000 To 2,000, Deduct	-15.42	
			For >2,000 To 5,000, Deduct	-26.23	
			For >5,000, Deduct	-43.20	
<b>33 01 30 72-0037</b>			<b>9mm Thick Lining Cured In-Place Pipe</b> (33 01 30 72-0015)		
33 01 30 72-0038	LF		9mm Lining 6" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	77.49	
			For Up To >10, Add	85.25	
			For >10 To 25, Add	61.22	
			For >25 To 50, Add	39.68	
			For >50 To 100, Add	19.84	
			For >500 To 1,000, Deduct	-4.34	
			For >1,000 To 2,000, Deduct	-6.74	
			For >2,000 To 5,000, Deduct	-11.72	
			For >5,000, Deduct	-19.22	
			For Vinlyester Resin, Add	41.22	
			For Epoxy Resin, Add	4.86	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0039	LF 9mm Lining 8" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	99.98	
	For Up To >10, Add	100.54	
	For >10 To 25, Add	70.49	
	For >25 To 50, Add	46.28	
	For >50 To 100, Add	23.14	
	For >500 To 1,000, Deduct	-5.50	
	For >1,000 To 2,000, Deduct	-8.51	
	For >2,000 To 5,000, Deduct	-14.63	
	For >5,000, Deduct	-24.04	
	For Vinlyester Resin, Add	55.83	
	For Epoxy Resin, Add	6.58	
33 01 30 72-0040	LF 9mm Lining 10" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	122.63	
	For Up To >10, Add	116.32	
	For >10 To 25, Add	80.16	
	For >25 To 50, Add	53.13	
	For >50 To 100, Add	26.56	
	For >500 To 1,000, Deduct	-6.68	
	For >1,000 To 2,000, Deduct	-10.30	
	For >2,000 To 5,000, Deduct	-17.58	
	For >5,000, Deduct	-28.93	
	For Vinlyester Resin, Add	70.44	
	For Epoxy Resin, Add	8.30	
33 01 30 72-0041	LF 9mm Lining 12" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	145.76	
	For Up To >10, Add	133.56	
	For >10 To 25, Add	91.05	
	For >25 To 50, Add	60.70	
	For >50 To 100, Add	30.35	
	For >500 To 1,000, Deduct	-7.89	
	For >1,000 To 2,000, Deduct	-12.15	
	For >2,000 To 5,000, Deduct	-20.65	
	For >5,000, Deduct	-34.01	
33 01 30 72-0042	LF 9mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	180.28	
	For Up To >10, Add	158.87	
	For >10 To 25, Add	106.92	
	For >25 To 50, Add	71.79	
	For >50 To 100, Add	35.90	
	For >500 To 1,000, Deduct	-9.70	
	For >1,000 To 2,000, Deduct	-14.90	
	For >2,000 To 5,000, Deduct	-25.21	
	For >5,000, Deduct	-41.55	
33 01 30 72-0043	LF 9mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	215.13	
	For Up To >10, Add	185.19	
	For >10 To 25, Add	123.65	
	For >25 To 50, Add	83.39	
	For >50 To 100, Add	41.70	
	For >500 To 1,000, Deduct	-11.53	
	For >1,000 To 2,000, Deduct	-17.69	
	For >2,000 To 5,000, Deduct	-29.85	
	For >5,000, Deduct	-49.24	
33 01 30 72-0044	LF 9mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	249.02	
	For Up To >10, Add	208.61	
	For >10 To 25, Add	137.95	
	For >25 To 50, Add	93.54	
	For >50 To 100, Add	46.77	
	For >500 To 1,000, Deduct	-13.29	
	For >1,000 To 2,000, Deduct	-20.36	
	For >2,000 To 5,000, Deduct	-34.26	
	For >5,000, Deduct	-56.53	
33 01 30 72-0045	LF 9mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	283.40	
	For Up To >10, Add	233.50	
	For >10 To 25, Add	153.47	
	For >25 To 50, Add	104.42	
	For >50 To 100, Add	52.21	
	For >500 To 1,000, Deduct	-15.09	
	For >1,000 To 2,000, Deduct	-23.09	
	For >2,000 To 5,000, Deduct	-38.78	
	For >5,000, Deduct	-64.02	
33 01 30 72-0046	10.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small> .....	205.02	
33 01 30 72-0047	LF 10.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	205.02	
	For Up To >10, Add	171.24	
	For >10 To 25, Add	113.11	
	For >25 To 50, Add	76.74	
	For >50 To 100, Add	38.37	
	For >500 To 1,000, Deduct	-10.94	
	For >1,000 To 2,000, Deduct	-16.75	
	For >2,000 To 5,000, Deduct	-28.18	
	For >5,000, Deduct	-46.50	
33 01 30 72-0048	LF 10.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	245.09	
	For Up To >10, Add	200.17	
	For >10 To 25, Add	131.14	
	For >25 To 50, Add	89.38	
	For >50 To 100, Add	44.69	
	For >500 To 1,000, Deduct	-13.03	
	For >1,000 To 2,000, Deduct	-19.93	
	For >2,000 To 5,000, Deduct	-33.45	
	For >5,000, Deduct	-55.23	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0049 LF 10.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	284.20	
For Up To >10, Add	226.20	
For >10 To 25, Add	146.74	
For >25 To 50, Add	100.57	
For >50 To 100, Add	50.29	
For >500 To 1,000, Deduct	-15.05	
For >1,000 To 2,000, Deduct	-23.00	
For >2,000 To 5,000, Deduct	-38.48	
For >5,000, Deduct	-63.57	
33 01 30 72-0050 LF 10.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	323.79	
For Up To >10, Add	253.70	
For >10 To 25, Add	163.57	
For >25 To 50, Add	112.49	
For >50 To 100, Add	56.25	
For >500 To 1,000, Deduct	-17.11	
For >1,000 To 2,000, Deduct	-26.12	
For >2,000 To 5,000, Deduct	-43.63	
For >5,000, Deduct	-72.10	
33 01 30 72-0051 LF 10.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	364.02	
For Up To >10, Add	283.11	
For >10 To 25, Add	182.00	
For >25 To 50, Add	125.38	
For >50 To 100, Add	62.69	
For >500 To 1,000, Deduct	-19.21	
For >1,000 To 2,000, Deduct	-29.32	
For >2,000 To 5,000, Deduct	-48.94	
For >5,000, Deduct	-80.89	
33 01 30 72-0052 LF 10.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	405.07	
For Up To >10, Add	314.96	
For >10 To 25, Add	202.45	
For >25 To 50, Add	139.48	
For >50 To 100, Add	69.74	
For >500 To 1,000, Deduct	-21.38	
For >1,000 To 2,000, Deduct	-32.63	
For >2,000 To 5,000, Deduct	-54.45	
For >5,000, Deduct	-90.01	
33 01 30 72-0053 LF 10.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	483.74	
For Up To >10, Add	368.42	
For >10 To 25, Add	234.83	
For >25 To 50, Add	162.55	
For >50 To 100, Add	81.28	
For >500 To 1,000, Deduct	-25.45	
For >1,000 To 2,000, Deduct	-38.81	
For >2,000 To 5,000, Deduct	-64.63	
For >5,000, Deduct	-106.87	
<b>33 01 30 72-0054 12mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0055 LF 12mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	229.56	
For Up To >10, Add	183.51	
For >10 To 25, Add	119.24	
For >25 To 50, Add	81.65	
For >50 To 100, Add	40.82	
For >500 To 1,000, Deduct	-12.17	
For >1,000 To 2,000, Deduct	-18.59	
For >2,000 To 5,000, Deduct	-31.12	
For >5,000, Deduct	-51.41	
33 01 30 72-0056 LF 12mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	274.85	
For Up To >10, Add	215.05	
For >10 To 25, Add	138.58	
For >25 To 50, Add	95.34	
For >50 To 100, Add	47.67	
For >500 To 1,000, Deduct	-14.52	
For >1,000 To 2,000, Deduct	-22.17	
For >2,000 To 5,000, Deduct	-37.02	
For >5,000, Deduct	-61.18	
33 01 30 72-0057 LF 12mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	319.17	
For Up To >10, Add	243.69	
For >10 To 25, Add	155.48	
For >25 To 50, Add	107.57	
For >50 To 100, Add	53.78	
For >500 To 1,000, Deduct	-16.80	
For >1,000 To 2,000, Deduct	-25.62	
For >2,000 To 5,000, Deduct	-42.67	
For >5,000, Deduct	-70.56	
33 01 30 72-0058 LF 12mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	363.98	
For Up To >10, Add	273.79	
For >10 To 25, Add	173.62	
For >25 To 50, Add	120.53	
For >50 To 100, Add	60.27	
For >500 To 1,000, Deduct	-19.12	
For >1,000 To 2,000, Deduct	-29.13	
For >2,000 To 5,000, Deduct	-48.45	
For >5,000, Deduct	-80.14	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0059	LF	12mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	409.43	
		<i>For Up To &gt;10, Add</i>	305.82	
		<i>For &gt;10 To 25, Add</i>	193.35	
		<i>For &gt;25 To 50, Add</i>	134.46	
		<i>For &gt;50 To 100, Add</i>	67.23	
		<i>For &gt;500 To 1,000, Deduct</i>	-21.48	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-32.73	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-54.39	
		<i>For &gt;5,000, Deduct</i>	-89.97	
33 01 30 72-0060	LF	12mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	455.69	
		<i>For Up To &gt;10, Add</i>	340.27	
		<i>For &gt;10 To 25, Add</i>	215.11	
		<i>For &gt;25 To 50, Add</i>	149.60	
		<i>For &gt;50 To 100, Add</i>	74.80	
		<i>For &gt;500 To 1,000, Deduct</i>	-23.91	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-36.43	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-60.53	
		<i>For &gt;5,000, Deduct</i>	-100.13	
33 01 30 72-0061	LF	12mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	544.80	
		<i>For Up To &gt;10, Add</i>	398.95	
		<i>For &gt;10 To 25, Add</i>	250.10	
		<i>For &gt;25 To 50, Add</i>	174.77	
		<i>For &gt;50 To 100, Add</i>	87.38	
		<i>For &gt;500 To 1,000, Deduct</i>	-28.51	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-43.39	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-71.96	
		<i>For &gt;5,000, Deduct</i>	-119.08	
33 01 30 72-0062	LF	12mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	635.38	
		<i>For Up To &gt;10, Add</i>	462.07	
		<i>For &gt;10 To 25, Add</i>	288.78	
		<i>For &gt;25 To 50, Add</i>	202.15	
		<i>For &gt;50 To 100, Add</i>	101.08	
		<i>For &gt;500 To 1,000, Deduct</i>	-33.21	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-50.54	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-83.75	
		<i>For &gt;5,000, Deduct</i>	-138.63	
33 01 30 72-0063	LF	12mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	728.54	
		<i>For Up To &gt;10, Add</i>	532.90	
		<i>For &gt;10 To 25, Add</i>	333.90	
		<i>For &gt;25 To 50, Add</i>	233.39	
		<i>For &gt;50 To 100, Add</i>	116.70	
		<i>For &gt;500 To 1,000, Deduct</i>	-38.11	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-58.01	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-96.19	
		<i>For &gt;5,000, Deduct</i>	-159.20	
<b>33 01 30 72-0064</b>		<b>13.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0065	LF	13.5mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	253.89	
		<i>For Up To &gt;10, Add</i>	195.67	
		<i>For &gt;10 To 25, Add</i>	125.33	
		<i>For &gt;25 To 50, Add</i>	86.52	
		<i>For &gt;50 To 100, Add</i>	43.26	
		<i>For &gt;500 To 1,000, Deduct</i>	-13.38	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-20.42	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-34.04	
		<i>For &gt;5,000, Deduct</i>	-56.28	
33 01 30 72-0066	LF	13.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	304.41	
		<i>For Up To &gt;10, Add</i>	229.83	
		<i>For &gt;10 To 25, Add</i>	145.97	
		<i>For &gt;25 To 50, Add</i>	101.25	
		<i>For &gt;50 To 100, Add</i>	50.62	
		<i>For &gt;500 To 1,000, Deduct</i>	-16.00	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-24.38	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-40.57	
		<i>For &gt;5,000, Deduct</i>	-67.09	
33 01 30 72-0067	LF	13.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	353.94	
		<i>For Up To &gt;10, Add</i>	261.07	
		<i>For &gt;10 To 25, Add</i>	164.18	
		<i>For &gt;25 To 50, Add</i>	114.52	
		<i>For &gt;50 To 100, Add</i>	57.26	
		<i>For &gt;500 To 1,000, Deduct</i>	-18.54	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-28.23	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-46.85	
		<i>For &gt;5,000, Deduct</i>	-77.52	
33 01 30 72-0068	LF	13.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	403.97	
		<i>For Up To &gt;10, Add</i>	293.79	
		<i>For &gt;10 To 25, Add</i>	183.61	
		<i>For &gt;25 To 50, Add</i>	128.53	
		<i>For &gt;50 To 100, Add</i>	64.27	
		<i>For &gt;500 To 1,000, Deduct</i>	-21.12	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-32.13	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-53.25	
		<i>For &gt;5,000, Deduct</i>	-88.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0069	LF		13.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	454.63	
			For Up To >10, Add	328.42	
			For >10 To 25, Add	204.65	
			For >25 To 50, Add	143.50	
			For >50 To 100, Add	71.75	
			For >500 To 1,000, Deduct	-23.74	
			For >1,000 To 2,000, Deduct	-36.12	
			For >2,000 To 5,000, Deduct	-59.81	
			For >5,000, Deduct	-99.01	
33 01 30 72-0070	LF		13.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	506.10	
			For Up To >10, Add	365.48	
			For >10 To 25, Add	227.71	
			For >25 To 50, Add	159.68	
			For >50 To 100, Add	79.84	
			For >500 To 1,000, Deduct	-26.43	
			For >1,000 To 2,000, Deduct	-40.21	
			For >2,000 To 5,000, Deduct	-66.58	
			For >5,000, Deduct	-110.21	
33 01 30 72-0071	LF		13.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	605.64	
			For Up To >10, Add	429.37	
			For >10 To 25, Add	265.31	
			For >25 To 50, Add	186.93	
			For >50 To 100, Add	93.47	
			For >500 To 1,000, Deduct	-31.55	
			For >1,000 To 2,000, Deduct	-47.95	
			For >2,000 To 5,000, Deduct	-79.26	
			For >5,000, Deduct	-131.25	
33 01 30 72-0072	LF		13.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	706.66	
			For Up To >10, Add	497.71	
			For >10 To 25, Add	306.60	
			For >25 To 50, Add	216.41	
			For >50 To 100, Add	108.20	
			For >500 To 1,000, Deduct	-36.78	
			For >1,000 To 2,000, Deduct	-55.89	
			For >2,000 To 5,000, Deduct	-92.31	
			For >5,000, Deduct	-152.88	
33 01 30 72-0073	LF		13.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	810.25	
			For Up To >10, Add	573.75	
			For >10 To 25, Add	354.33	
			For >25 To 50, Add	249.74	
			For >50 To 100, Add	124.87	
			For >500 To 1,000, Deduct	-42.20	
			For >1,000 To 2,000, Deduct	-64.14	
			For >2,000 To 5,000, Deduct	-106.00	
			For >5,000, Deduct	-175.54	
<b>33 01 30 72-0074</b>			<b>15mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0075	LF		15mm Lining 15" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	278.03	
			For Up To >10, Add	207.74	
			For >10 To 25, Add	131.36	
			For >25 To 50, Add	91.34	
			For >50 To 100, Add	45.67	
			For >500 To 1,000, Deduct	-14.59	
			For >1,000 To 2,000, Deduct	-22.23	
			For >2,000 To 5,000, Deduct	-36.94	
			For >5,000, Deduct	-61.10	
33 01 30 72-0076	LF		15mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	333.75	
			For Up To >10, Add	244.50	
			For >10 To 25, Add	153.30	
			For >25 To 50, Add	107.12	
			For >50 To 100, Add	53.56	
			For >500 To 1,000, Deduct	-17.46	
			For >1,000 To 2,000, Deduct	-26.58	
			For >2,000 To 5,000, Deduct	-44.09	
			For >5,000, Deduct	-72.96	
33 01 30 72-0077	LF		15mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	388.50	
			For Up To >10, Add	278.35	
			For >10 To 25, Add	172.82	
			For >25 To 50, Add	121.43	
			For >50 To 100, Add	60.72	
			For >500 To 1,000, Deduct	-20.27	
			For >1,000 To 2,000, Deduct	-30.82	
			For >2,000 To 5,000, Deduct	-50.99	
			For >5,000, Deduct	-84.43	
33 01 30 72-0078	LF		15mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	443.74	
			For Up To >10, Add	313.67	
			For >10 To 25, Add	193.56	
			For >25 To 50, Add	136.48	
			For >50 To 100, Add	68.24	
			For >500 To 1,000, Deduct	-23.11	
			For >1,000 To 2,000, Deduct	-35.12	
			For >2,000 To 5,000, Deduct	-58.02	
			For >5,000, Deduct	-96.09	



**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0079	LF	15mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	499.62	
		<i>For Up To &gt;10, Add</i>	350.91	
		<i>For &gt;10 To 25, Add</i>	215.90	
		<i>For &gt;25 To 50, Add</i>	152.50	
		<i>For &gt;50 To 100, Add</i>	76.25	
		<i>For &gt;500 To 1,000, Deduct</i>	-25.99	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-39.49	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-65.21	
		<i>For &gt;5,000, Deduct</i>	-108.01	
33 01 30 72-0080	LF	15mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	556.31	
		<i>For Up To &gt;10, Add</i>	390.58	
		<i>For &gt;10 To 25, Add</i>	240.26	
		<i>For &gt;25 To 50, Add</i>	169.72	
		<i>For &gt;50 To 100, Add</i>	84.86	
		<i>For &gt;500 To 1,000, Deduct</i>	-28.94	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-43.97	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-72.60	
		<i>For &gt;5,000, Deduct</i>	-120.26	
33 01 30 72-0081	LF	15mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	666.29	
		<i>For Up To &gt;10, Add</i>	459.70	
		<i>For &gt;10 To 25, Add</i>	280.47	
		<i>For &gt;25 To 50, Add</i>	199.06	
		<i>For &gt;50 To 100, Add</i>	99.53	
		<i>For &gt;500 To 1,000, Deduct</i>	-34.58	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-52.50	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-86.54	
		<i>For &gt;5,000, Deduct</i>	-143.38	
33 01 30 72-0082	LF	15mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	777.74	
		<i>For Up To &gt;10, Add</i>	533.25	
		<i>For &gt;10 To 25, Add</i>	324.37	
		<i>For &gt;25 To 50, Add</i>	230.62	
		<i>For &gt;50 To 100, Add</i>	115.31	
		<i>For &gt;500 To 1,000, Deduct</i>	-40.33	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-61.22	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-100.84	
		<i>For &gt;5,000, Deduct</i>	-167.10	
33 01 30 72-0083	LF	15mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	891.76	
		<i>For Up To &gt;10, Add</i>	614.51	
		<i>For &gt;10 To 25, Add</i>	374.70	
		<i>For &gt;25 To 50, Add</i>	266.04	
		<i>For &gt;50 To 100, Add</i>	133.02	
		<i>For &gt;500 To 1,000, Deduct</i>	-46.27	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-70.25	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-115.78	
		<i>For &gt;5,000, Deduct</i>	-191.84	
<b>33 01 30 72-0084</b>		<b>16.5mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b>		
33 01 30 72-0085	LF	16.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	362.89	
		<i>For Up To &gt;10, Add</i>	259.07	
		<i>For &gt;10 To 25, Add</i>	160.59	
		<i>For &gt;25 To 50, Add</i>	112.94	
		<i>For &gt;50 To 100, Add</i>	56.47	
		<i>For &gt;500 To 1,000, Deduct</i>	-18.92	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-28.77	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-47.58	
		<i>For &gt;5,000, Deduct</i>	-78.79	
33 01 30 72-0086	LF	16.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	422.85	
		<i>For Up To &gt;10, Add</i>	295.53	
		<i>For &gt;10 To 25, Add</i>	181.40	
		<i>For &gt;25 To 50, Add</i>	128.30	
		<i>For &gt;50 To 100, Add</i>	64.15	
		<i>For &gt;500 To 1,000, Deduct</i>	-21.98	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-33.40	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-55.12	
		<i>For &gt;5,000, Deduct</i>	-91.30	
33 01 30 72-0087	LF	16.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	483.31	
		<i>For Up To &gt;10, Add</i>	333.46	
		<i>For &gt;10 To 25, Add</i>	203.45	
		<i>For &gt;25 To 50, Add</i>	144.40	
		<i>For &gt;50 To 100, Add</i>	72.20	
		<i>For &gt;500 To 1,000, Deduct</i>	-25.08	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-38.08	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-62.77	
		<i>For &gt;5,000, Deduct</i>	-104.01	
33 01 30 72-0088	LF	16.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	544.41	
		<i>For Up To &gt;10, Add</i>	373.31	
		<i>For &gt;10 To 25, Add</i>	227.09	
		<i>For &gt;25 To 50, Add</i>	161.45	
		<i>For &gt;50 To 100, Add</i>	80.73	
		<i>For &gt;500 To 1,000, Deduct</i>	-28.23	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-42.85	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-70.59	
		<i>For &gt;5,000, Deduct</i>	-116.97	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0089	LF		16.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	606.32	
			For Up To >10, Add	415.59	
			For >10 To 25, Add	252.76	
			For >25 To 50, Add	179.73	
			For >50 To 100, Add	89.86	
			For >500 To 1,000, Deduct	-31.44	
			For >1,000 To 2,000, Deduct	-47.72	
			For >2,000 To 5,000, Deduct	-78.60	
			For >5,000, Deduct	-130.26	
33 01 30 72-0090	LF		16.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	726.73	
			For Up To >10, Add	489.92	
			For >10 To 25, Add	295.58	
			For >25 To 50, Add	211.15	
			For >50 To 100, Add	105.58	
			For >500 To 1,000, Deduct	-37.60	
			For >1,000 To 2,000, Deduct	-57.04	
			For >2,000 To 5,000, Deduct	-93.79	
			For >5,000, Deduct	-155.47	
33 01 30 72-0091	LF		16.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	848.61	
			For Up To >10, Add	568.68	
			For >10 To 25, Add	342.09	
			For >25 To 50, Add	244.80	
			For >50 To 100, Add	122.40	
			For >500 To 1,000, Deduct	-43.87	
			For >1,000 To 2,000, Deduct	-66.53	
			For >2,000 To 5,000, Deduct	-109.34	
			For >5,000, Deduct	-181.27	
33 01 30 72-0092	LF		16.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	973.06	
			For Up To >10, Add	655.16	
			For >10 To 25, Add	395.03	
			For >25 To 50, Add	282.30	
			For >50 To 100, Add	141.15	
			For >500 To 1,000, Deduct	-50.34	
			For >1,000 To 2,000, Deduct	-76.35	
			For >2,000 To 5,000, Deduct	-125.54	
			For >5,000, Deduct	-208.10	
33 01 30 72-0093	LF		16.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,096.39	
			For Up To >10, Add	738.25	
			For >10 To 25, Add	445.14	
			For >25 To 50, Add	318.10	
			For >50 To 100, Add	159.05	
			For >500 To 1,000, Deduct	-56.72	
			For >1,000 To 2,000, Deduct	-86.03	
			For >2,000 To 5,000, Deduct	-141.45	
			For >5,000, Deduct	-234.48	
<b>33 01 30 72-0094</b>			<b>18mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0095	LF		18mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	392.63	
			For Up To >10, Add	275.97	
			For >10 To 25, Add	169.84	
			For >25 To 50, Add	119.94	
			For >50 To 100, Add	59.97	
			For >500 To 1,000, Deduct	-20.43	
			For >1,000 To 2,000, Deduct	-31.04	
			For >2,000 To 5,000, Deduct	-51.26	
			For >5,000, Deduct	-84.90	
33 01 30 72-0096	LF		18mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	457.99	
			For Up To >10, Add	315.55	
			For >10 To 25, Add	192.39	
			For >25 To 50, Add	136.60	
			For >50 To 100, Add	68.30	
			For >500 To 1,000, Deduct	-23.77	
			For >1,000 To 2,000, Deduct	-36.08	
			For >2,000 To 5,000, Deduct	-59.46	
			For >5,000, Deduct	-98.52	
33 01 30 72-0097	LF		18mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	523.65	
			For Up To >10, Add	356.05	
			For >10 To 25, Add	215.72	
			For >25 To 50, Add	153.73	
			For >50 To 100, Add	76.86	
			For >500 To 1,000, Deduct	-27.12	
			For >1,000 To 2,000, Deduct	-41.16	
			For >2,000 To 5,000, Deduct	-67.74	
			For >5,000, Deduct	-112.27	
33 01 30 72-0098	LF		18mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	590.13	
			For Up To >10, Add	398.99	
			For >10 To 25, Add	241.07	
			For >25 To 50, Add	172.07	
			For >50 To 100, Add	86.03	
			For >500 To 1,000, Deduct	-30.55	
			For >1,000 To 2,000, Deduct	-46.34	
			For >2,000 To 5,000, Deduct	-76.22	
			For >5,000, Deduct	-126.34	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0099	LF	18mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	657.23	
		<i>For Up To &gt;10, Add</i>	443.84	
		<i>For &gt;10 To 25, Add</i>	268.01	
		<i>For &gt;25 To 50, Add</i>	191.36	
		<i>For &gt;50 To 100, Add</i>	95.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-34.01	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-51.60	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-84.86	
		<i>For &gt;5,000, Deduct</i>	-140.66	
33 01 30 72-0100	LF	18mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	789.39	
		<i>For Up To &gt;10, Add</i>	527.32	
		<i>For &gt;10 To 25, Add</i>	316.71	
		<i>For &gt;25 To 50, Add</i>	226.84	
		<i>For &gt;50 To 100, Add</i>	113.42	
		<i>For &gt;500 To 1,000, Deduct</i>	-40.80	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-61.86	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-101.62	
		<i>For &gt;5,000, Deduct</i>	-168.49	
33 01 30 72-0101	LF	18mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	922.19	
		<i>For Up To &gt;10, Add</i>	612.75	
		<i>For &gt;10 To 25, Add</i>	367.03	
		<i>For &gt;25 To 50, Add</i>	263.30	
		<i>For &gt;50 To 100, Add</i>	131.65	
		<i>For &gt;500 To 1,000, Deduct</i>	-47.63	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-72.20	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-118.55	
		<i>For &gt;5,000, Deduct</i>	-196.57	
33 01 30 72-0102	LF	18mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,057.55	
		<i>For Up To &gt;10, Add</i>	705.88	
		<i>For &gt;10 To 25, Add</i>	423.78	
		<i>For &gt;25 To 50, Add</i>	303.60	
		<i>For &gt;50 To 100, Add</i>	151.80	
		<i>For &gt;500 To 1,000, Deduct</i>	-54.65	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-82.86	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-136.12	
		<i>For &gt;5,000, Deduct</i>	-225.68	
33 01 30 72-0103	LF	18mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,191.80	
		<i>For Up To &gt;10, Add</i>	795.65	
		<i>For &gt;10 To 25, Add</i>	477.73	
		<i>For &gt;25 To 50, Add</i>	342.23	
		<i>For &gt;50 To 100, Add</i>	171.12	
		<i>For &gt;500 To 1,000, Deduct</i>	-61.59	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-93.38	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-153.40	
		<i>For &gt;5,000, Deduct</i>	-254.34	
33 01 30 72-0104	LF	18mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,325.88	
		<i>For Up To &gt;10, Add</i>	884.94	
		<i>For &gt;10 To 25, Add</i>	531.27	
		<i>For &gt;25 To 50, Add</i>	380.62	
		<i>For &gt;50 To 100, Add</i>	190.31	
		<i>For &gt;500 To 1,000, Deduct</i>	-68.51	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-103.88	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-170.65	
		<i>For &gt;5,000, Deduct</i>	-282.94	
33 01 30 72-0105	LF	18mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,460.61	
		<i>For Up To &gt;10, Add</i>	976.16	
		<i>For &gt;10 To 25, Add</i>	586.42	
		<i>For &gt;25 To 50, Add</i>	419.96	
		<i>For &gt;50 To 100, Add</i>	209.98	
		<i>For &gt;500 To 1,000, Deduct</i>	-75.49	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-114.46	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-188.06	
		<i>For &gt;5,000, Deduct</i>	-311.79	
33 01 30 72-0106	LF	18mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,594.85	
		<i>For Up To &gt;10, Add</i>	1,065.93	
		<i>For &gt;10 To 25, Add</i>	640.36	
		<i>For &gt;25 To 50, Add</i>	458.59	
		<i>For &gt;50 To 100, Add</i>	229.30	
		<i>For &gt;500 To 1,000, Deduct</i>	-82.43	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-124.98	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-205.34	
		<i>For &gt;5,000, Deduct</i>	-340.45	
33 01 30 72-0107		<b>19.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0108	LF	19.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	422.66	
		<i>For Up To &gt;10, Add</i>	294.23	
		<i>For &gt;10 To 25, Add</i>	180.28	
		<i>For &gt;25 To 50, Add</i>	127.64	
		<i>For &gt;50 To 100, Add</i>	63.82	
		<i>For &gt;500 To 1,000, Deduct</i>	-21.96	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-33.36	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-55.03	
		<i>For &gt;5,000, Deduct</i>	-91.16	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0109	LF		19.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	493.23	
			For Up To >10, Add	336.39	
			For >10 To 25, Add	204.11	
			For >25 To 50, Add	145.33	
			For >50 To 100, Add	72.66	
			For >500 To 1,000, Deduct	-25.56	
			For >1,000 To 2,000, Deduct	-38.79	
			For >2,000 To 5,000, Deduct	-63.86	
			For >5,000, Deduct	-105.83	
33 01 30 72-0110	LF		19.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	564.27	
			For Up To >10, Add	380.01	
			For >10 To 25, Add	229.16	
			For >25 To 50, Add	163.75	
			For >50 To 100, Add	81.87	
			For >500 To 1,000, Deduct	-29.19	
			For >1,000 To 2,000, Deduct	-44.28	
			For >2,000 To 5,000, Deduct	-72.80	
			For >5,000, Deduct	-120.68	
33 01 30 72-0111	LF		19.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	635.63	
			For Up To >10, Add	424.57	
			For >10 To 25, Add	254.98	
			For >25 To 50, Add	182.64	
			For >50 To 100, Add	91.32	
			For >500 To 1,000, Deduct	-32.85	
			For >1,000 To 2,000, Deduct	-49.81	
			For >2,000 To 5,000, Deduct	-81.83	
			For >5,000, Deduct	-135.67	
33 01 30 72-0112	LF		19.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	708.29	
			For Up To >10, Add	473.02	
			For >10 To 25, Add	284.06	
			For >25 To 50, Add	203.47	
			For >50 To 100, Add	101.74	
			For >500 To 1,000, Deduct	-36.60	
			For >1,000 To 2,000, Deduct	-55.50	
			For >2,000 To 5,000, Deduct	-91.18	
			For >5,000, Deduct	-151.17	
33 01 30 72-0113	LF		19.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	852.32	
			For Up To >10, Add	566.06	
			For >10 To 25, Add	338.99	
			For >25 To 50, Add	243.21	
			For >50 To 100, Add	121.61	
			For >500 To 1,000, Deduct	-44.02	
			For >1,000 To 2,000, Deduct	-66.72	
			For >2,000 To 5,000, Deduct	-109.55	
			For >5,000, Deduct	-181.66	
33 01 30 72-0114	LF		19.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	936.84	
			For Up To >10, Add	660.57	
			For >10 To 25, Add	395.15	
			For >25 To 50, Add	283.69	
			For >50 To 100, Add	141.84	
			For >500 To 1,000, Deduct	-51.46	
			For >1,000 To 2,000, Deduct	-78.01	
			For >2,000 To 5,000, Deduct	-128.05	
			For >5,000, Deduct	-212.34	
33 01 30 72-0115	LF		19.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,142.49	
			For Up To >10, Add	758.47	
			For >10 To 25, Add	454.13	
			For >25 To 50, Add	325.86	
			For >50 To 100, Add	162.93	
			For >500 To 1,000, Deduct	-59.00	
			For >1,000 To 2,000, Deduct	-89.43	
			For >2,000 To 5,000, Deduct	-146.83	
			For >5,000, Deduct	-243.48	
33 01 30 72-0116	LF		19.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,287.65	
			For Up To >10, Add	854.90	
			For >10 To 25, Add	511.88	
			For >25 To 50, Add	367.29	
			For >50 To 100, Add	183.64	
			For >500 To 1,000, Deduct	-66.49	
			For >1,000 To 2,000, Deduct	-100.80	
			For >2,000 To 5,000, Deduct	-165.49	
			For >5,000, Deduct	-274.42	
33 01 30 72-0117	LF		19.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,432.80	
			For Up To >10, Add	951.33	
			For >10 To 25, Add	569.63	
			For >25 To 50, Add	408.72	
			For >50 To 100, Add	204.36	
			For >500 To 1,000, Deduct	-73.99	
			For >1,000 To 2,000, Deduct	-112.16	
			For >2,000 To 5,000, Deduct	-184.15	
			For >5,000, Deduct	-305.35	
33 01 30 72-0118	LF		19.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,579.92	
			For Up To >10, Add	1,053.61	
			For >10 To 25, Add	632.27	
			For >25 To 50, Add	453.08	
			For >50 To 100, Add	226.54	
			For >500 To 1,000, Deduct	-81.63	
			For >1,000 To 2,000, Deduct	-123.77	
			For >2,000 To 5,000, Deduct	-203.30	
			For >5,000, Deduct	-337.08	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0119	LF	19.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,725.23	
		<i>For Up To &gt;10, Add</i>	1,150.52	
		<i>For &gt;10 To 25, Add</i>	690.42	
		<i>For &gt;25 To 50, Add</i>	494.75	
		<i>For &gt;50 To 100, Add</i>	247.38	
		<i>For &gt;500 To 1,000, Deduct</i>	-89.14	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-135.15	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-222.00	
		<i>For &gt;5,000, Deduct</i>	-368.08	
<b>33 01 30 72-0120</b>		<b>21mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0121	LF	21mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	452.32	
		<i>For Up To &gt;10, Add</i>	311.89	
		<i>For &gt;10 To 25, Add</i>	190.23	
		<i>For &gt;25 To 50, Add</i>	135.04	
		<i>For &gt;50 To 100, Add</i>	67.52	
		<i>For &gt;500 To 1,000, Deduct</i>	-23.47	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-35.64	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-58.74	
		<i>For &gt;5,000, Deduct</i>	-97.32	
33 01 30 72-0122	LF	21mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	528.25	
		<i>For Up To &gt;10, Add</i>	357.13	
		<i>For &gt;10 To 25, Add</i>	215.76	
		<i>For &gt;25 To 50, Add</i>	154.01	
		<i>For &gt;50 To 100, Add</i>	77.01	
		<i>For &gt;500 To 1,000, Deduct</i>	-27.34	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-41.48	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-68.23	
		<i>For &gt;5,000, Deduct</i>	-113.09	
33 01 30 72-0123	LF	21mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	604.68	
		<i>For Up To &gt;10, Add</i>	403.84	
		<i>For &gt;10 To 25, Add</i>	242.52	
		<i>For &gt;25 To 50, Add</i>	173.72	
		<i>For &gt;50 To 100, Add</i>	86.86	
		<i>For &gt;500 To 1,000, Deduct</i>	-31.25	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-47.38	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-77.84	
		<i>For &gt;5,000, Deduct</i>	-129.06	
33 01 30 72-0124	LF	21mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	680.93	
		<i>For Up To &gt;10, Add</i>	450.04	
		<i>For &gt;10 To 25, Add</i>	268.85	
		<i>For &gt;25 To 50, Add</i>	193.17	
		<i>For &gt;50 To 100, Add</i>	96.58	
		<i>For &gt;500 To 1,000, Deduct</i>	-35.14	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-53.26	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-87.41	
		<i>For &gt;5,000, Deduct</i>	-144.95	
33 01 30 72-0125	LF	21mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	758.98	
		<i>For Up To &gt;10, Add</i>	501.62	
		<i>For &gt;10 To 25, Add</i>	299.66	
		<i>For &gt;25 To 50, Add</i>	215.30	
		<i>For &gt;50 To 100, Add</i>	107.65	
		<i>For &gt;500 To 1,000, Deduct</i>	-39.17	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-59.37	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-97.43	
		<i>For &gt;5,000, Deduct</i>	-161.57	
33 01 30 72-0126	LF	21mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	915.05	
		<i>For Up To &gt;10, Add</i>	604.70	
		<i>For &gt;10 To 25, Add</i>	361.22	
		<i>For &gt;25 To 50, Add</i>	259.54	
		<i>For &gt;50 To 100, Add</i>	129.77	
		<i>For &gt;500 To 1,000, Deduct</i>	-47.22	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-71.57	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-117.46	
		<i>For &gt;5,000, Deduct</i>	-194.78	
33 01 30 72-0127	LF	21mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,071.14	
		<i>For Up To &gt;10, Add</i>	707.85	
		<i>For &gt;10 To 25, Add</i>	422.83	
		<i>For &gt;25 To 50, Add</i>	303.81	
		<i>For &gt;50 To 100, Add</i>	151.91	
		<i>For &gt;500 To 1,000, Deduct</i>	-55.28	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-83.78	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-137.50	
		<i>For &gt;5,000, Deduct</i>	-228.01	
33 01 30 72-0128	LF	21mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,227.21	
		<i>For Up To &gt;10, Add</i>	810.93	
		<i>For &gt;10 To 25, Add</i>	484.40	
		<i>For &gt;25 To 50, Add</i>	348.05	
		<i>For &gt;50 To 100, Add</i>	174.03	
		<i>For &gt;500 To 1,000, Deduct</i>	-63.33	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-95.99	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-157.53	
		<i>For &gt;5,000, Deduct</i>	-261.23	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0129	LF		21mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,383.29	
			<i>For Up To &gt;10, Add</i>	914.05	
			<i>For &gt;10 To 25, Add</i>	545.98	
			<i>For &gt;25 To 50, Add</i>	392.31	
			<i>For &gt;50 To 100, Add</i>	196.15	
			<i>For &gt;500 To 1,000, Deduct</i>	-71.39	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-108.19	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-177.56	
			<i>For &gt;5,000, Deduct</i>	-294.45	
33 01 30 72-0130	LF		21mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,539.36	
			<i>For Up To &gt;10, Add</i>	1,017.13	
			<i>For &gt;10 To 25, Add</i>	607.55	
			<i>For &gt;25 To 50, Add</i>	436.55	
			<i>For &gt;50 To 100, Add</i>	218.27	
			<i>For &gt;500 To 1,000, Deduct</i>	-79.44	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-120.40	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-197.59	
			<i>For &gt;5,000, Deduct</i>	-327.67	
33 01 30 72-0131	LF		21mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,699.01	
			<i>For Up To &gt;10, Add</i>	1,130.93	
			<i>For &gt;10 To 25, Add</i>	678.04	
			<i>For &gt;25 To 50, Add</i>	486.14	
			<i>For &gt;50 To 100, Add</i>	243.07	
			<i>For &gt;500 To 1,000, Deduct</i>	-87.76	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-133.05	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-218.52	
			<i>For &gt;5,000, Deduct</i>	-362.32	
33 01 30 72-0132	LF		21mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,855.41	
			<i>For Up To &gt;10, Add</i>	1,235.01	
			<i>For &gt;10 To 25, Add</i>	740.42	
			<i>For &gt;25 To 50, Add</i>	530.88	
			<i>For &gt;50 To 100, Add</i>	265.44	
			<i>For &gt;500 To 1,000, Deduct</i>	-95.84	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-145.30	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-238.63	
			<i>For &gt;5,000, Deduct</i>	-395.67	
<b>33 01 30 72-0133</b>			<b>22.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0134	LF		22.5mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	481.61	
			<i>For Up To &gt;10, Add</i>	328.96	
			<i>For &gt;10 To 25, Add</i>	199.74	
			<i>For &gt;25 To 50, Add</i>	142.16	
			<i>For &gt;50 To 100, Add</i>	71.08	
			<i>For &gt;500 To 1,000, Deduct</i>	-24.96	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-37.88	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-62.38	
			<i>For &gt;5,000, Deduct</i>	-103.37	
33 01 30 72-0135	LF		22.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	562.76	
			<i>For Up To &gt;10, Add</i>	376.81	
			<i>For &gt;10 To 25, Add</i>	226.57	
			<i>For &gt;25 To 50, Add</i>	162.17	
			<i>For &gt;50 To 100, Add</i>	81.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-29.09	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-44.12	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-72.49	
			<i>For &gt;5,000, Deduct</i>	-120.19	
33 01 30 72-0136	LF		22.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	644.90	
			<i>For Up To &gt;10, Add</i>	427.60	
			<i>For &gt;10 To 25, Add</i>	255.86	
			<i>For &gt;25 To 50, Add</i>	183.66	
			<i>For &gt;50 To 100, Add</i>	91.83	
			<i>For &gt;500 To 1,000, Deduct</i>	-33.30	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-50.47	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-82.86	
			<i>For &gt;5,000, Deduct</i>	-137.39	
33 01 30 72-0137	LF		22.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	727.49	
			<i>For Up To &gt;10, Add</i>	479.80	
			<i>For &gt;10 To 25, Add</i>	286.32	
			<i>For &gt;25 To 50, Add</i>	205.84	
			<i>For &gt;50 To 100, Add</i>	102.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-37.54	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-56.88	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-93.33	
			<i>For &gt;5,000, Deduct</i>	-154.78	
33 01 30 72-0138	LF		22.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	811.07	
			<i>For Up To &gt;10, Add</i>	534.94	
			<i>For &gt;10 To 25, Add</i>	319.23	
			<i>For &gt;25 To 50, Add</i>	229.50	
			<i>For &gt;50 To 100, Add</i>	114.75	
			<i>For &gt;500 To 1,000, Deduct</i>	-41.85	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-63.42	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-104.06	
			<i>For &gt;5,000, Deduct</i>	-172.57	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0139	LF	22.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	978.23	
		<i>For Up To &gt;10, Add</i>	645.19	
		<i>For &gt;10 To 25, Add</i>	385.03	
		<i>For &gt;25 To 50, Add</i>	276.81	
		<i>For &gt;50 To 100, Add</i>	138.40	
		<i>For &gt;500 To 1,000, Deduct</i>	-50.47	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-76.49	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-125.50	
		<i>For &gt;5,000, Deduct</i>	-208.13	
33 01 30 72-0140	LF	22.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,145.39	
		<i>For Up To &gt;10, Add</i>	755.47	
		<i>For &gt;10 To 25, Add</i>	450.85	
		<i>For &gt;25 To 50, Add</i>	324.12	
		<i>For &gt;50 To 100, Add</i>	162.06	
		<i>For &gt;500 To 1,000, Deduct</i>	-59.10	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-89.56	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-146.95	
		<i>For &gt;5,000, Deduct</i>	-243.70	
33 01 30 72-0141	LF	22.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,312.55	
		<i>For Up To &gt;10, Add</i>	865.75	
		<i>For &gt;10 To 25, Add</i>	516.67	
		<i>For &gt;25 To 50, Add</i>	371.44	
		<i>For &gt;50 To 100, Add</i>	185.72	
		<i>For &gt;500 To 1,000, Deduct</i>	-67.72	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-102.63	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-168.40	
		<i>For &gt;5,000, Deduct</i>	-279.27	
33 01 30 72-0142	LF	22.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,479.71	
		<i>For Up To &gt;10, Add</i>	976.01	
		<i>For &gt;10 To 25, Add</i>	582.46	
		<i>For &gt;25 To 50, Add</i>	418.74	
		<i>For &gt;50 To 100, Add</i>	209.37	
		<i>For &gt;500 To 1,000, Deduct</i>	-76.35	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-115.70	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-189.85	
		<i>For &gt;5,000, Deduct</i>	-314.83	
33 01 30 72-0143	LF	22.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,646.86	
		<i>For Up To &gt;10, Add</i>	1,086.26	
		<i>For &gt;10 To 25, Add</i>	648.26	
		<i>For &gt;25 To 50, Add</i>	466.04	
		<i>For &gt;50 To 100, Add</i>	233.02	
		<i>For &gt;500 To 1,000, Deduct</i>	-84.97	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-128.77	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-211.29	
		<i>For &gt;5,000, Deduct</i>	-350.40	
33 01 30 72-0144	LF	22.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,817.75	
		<i>For Up To &gt;10, Add</i>	1,207.70	
		<i>For &gt;10 To 25, Add</i>	723.38	
		<i>For &gt;25 To 50, Add</i>	518.94	
		<i>For &gt;50 To 100, Add</i>	259.47	
		<i>For &gt;500 To 1,000, Deduct</i>	-93.88	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-142.31	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-233.67	
		<i>For &gt;5,000, Deduct</i>	-387.46	
33 01 30 72-0145	LF	22.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,985.23	
		<i>For Up To &gt;10, Add</i>	1,318.94	
		<i>For &gt;10 To 25, Add</i>	790.00	
		<i>For &gt;25 To 50, Add</i>	566.74	
		<i>For &gt;50 To 100, Add</i>	283.37	
		<i>For &gt;500 To 1,000, Deduct</i>	-102.52	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-155.42	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-255.20	
		<i>For &gt;5,000, Deduct</i>	-423.15	

**33 01 30 72-0146 24mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)**

33 01 30 72-0147	LF	24mm Lining 18" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	510.53	
		<i>For Up To &gt;10, Add</i>	345.44	
		<i>For &gt;10 To 25, Add</i>	208.79	
		<i>For &gt;25 To 50, Add</i>	149.00	
		<i>For &gt;50 To 100, Add</i>	74.50	
		<i>For &gt;500 To 1,000, Deduct</i>	-26.43	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-40.09	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-65.95	
		<i>For &gt;5,000, Deduct</i>	-109.32	
33 01 30 72-0148	LF	24mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	596.90	
		<i>For Up To &gt;10, Add</i>	395.90	
		<i>For &gt;10 To 25, Add</i>	236.93	
		<i>For &gt;25 To 50, Add</i>	170.05	
		<i>For &gt;50 To 100, Add</i>	85.03	
		<i>For &gt;500 To 1,000, Deduct</i>	-30.82	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-46.72	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-76.70	
		<i>For &gt;5,000, Deduct</i>	-127.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0149	LF		24mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	684.73	
			For Up To >10, Add	450.74	
			For >10 To 25, Add	268.72	
			For >25 To 50, Add	193.30	
			For >50 To 100, Add	96.65	
			For >500 To 1,000, Deduct	-35.32	
			For >1,000 To 2,000, Deduct	-53.52	
			For >2,000 To 5,000, Deduct	-87.80	
			For >5,000, Deduct	-145.62	
33 01 30 72-0150	LF		24mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	773.84	
			For Up To >10, Add	509.45	
			For >10 To 25, Add	303.73	
			For >25 To 50, Add	218.48	
			For >50 To 100, Add	109.24	
			For >500 To 1,000, Deduct	-39.92	
			For >1,000 To 2,000, Deduct	-60.49	
			For >2,000 To 5,000, Deduct	-99.23	
			For >5,000, Deduct	-164.57	
33 01 30 72-0151	LF		24mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	862.96	
			For Up To >10, Add	568.16	
			For >10 To 25, Add	338.75	
			For >25 To 50, Add	243.66	
			For >50 To 100, Add	121.83	
			For >500 To 1,000, Deduct	-44.51	
			For >1,000 To 2,000, Deduct	-67.46	
			For >2,000 To 5,000, Deduct	-110.66	
			For >5,000, Deduct	-183.53	
33 01 30 72-0152	LF		24mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,041.21	
			For Up To >10, Add	685.61	
			For >10 To 25, Add	408.80	
			For >25 To 50, Add	294.04	
			For >50 To 100, Add	147.02	
			For >500 To 1,000, Deduct	-53.71	
			For >1,000 To 2,000, Deduct	-81.39	
			For >2,000 To 5,000, Deduct	-133.53	
			For >5,000, Deduct	-221.44	
33 01 30 72-0153	LF		24mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,266.29	
			For Up To >10, Add	826.05	
			For >10 To 25, Add	490.18	
			For >25 To 50, Add	353.57	
			For >50 To 100, Add	176.78	
			For >500 To 1,000, Deduct	-65.24	
			For >1,000 To 2,000, Deduct	-98.83	
			For >2,000 To 5,000, Deduct	-161.99	
			For >5,000, Deduct	-268.69	
33 01 30 72-0154	LF		24mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,397.52	
			For Up To >10, Add	919.96	
			For >10 To 25, Add	548.46	
			For >25 To 50, Add	394.53	
			For >50 To 100, Add	197.26	
			For >500 To 1,000, Deduct	-72.09	
			For >1,000 To 2,000, Deduct	-109.24	
			For >2,000 To 5,000, Deduct	-179.20	
			For >5,000, Deduct	-297.20	
33 01 30 72-0155	LF		24mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,575.75	
			For Up To >10, Add	1,037.35	
			For >10 To 25, Add	618.47	
			For >25 To 50, Add	444.88	
			For >50 To 100, Add	222.44	
			For >500 To 1,000, Deduct	-81.28	
			For >1,000 To 2,000, Deduct	-123.17	
			For >2,000 To 5,000, Deduct	-202.06	
			For >5,000, Deduct	-335.11	
33 01 30 72-0156	LF		24mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,753.99	
			For Up To >10, Add	1,154.80	
			For >10 To 25, Add	688.52	
			For >25 To 50, Add	495.25	
			For >50 To 100, Add	247.63	
			For >500 To 1,000, Deduct	-90.48	
			For >1,000 To 2,000, Deduct	-137.11	
			For >2,000 To 5,000, Deduct	-224.92	
			For >5,000, Deduct	-373.02	
33 01 30 72-0157	LF		24mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,936.11	
			For Up To >10, Add	1,283.86	
			For >10 To 25, Add	768.25	
			For >25 To 50, Add	551.44	
			For >50 To 100, Add	275.72	
			For >500 To 1,000, Deduct	-99.96	
			For >1,000 To 2,000, Deduct	-151.52	
			For >2,000 To 5,000, Deduct	-248.75	
			For >5,000, Deduct	-412.49	
33 01 30 72-0158	LF		24mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,114.67	
			For Up To >10, Add	1,402.26	
			For >10 To 25, Add	839.10	
			For >25 To 50, Add	602.30	
			For >50 To 100, Add	301.15	
			For >500 To 1,000, Deduct	-109.18	
			For >1,000 To 2,000, Deduct	-165.50	
			For >2,000 To 5,000, Deduct	-271.70	
			For >5,000, Deduct	-450.53	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0159	LF	24mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,293.24	
		<i>For Up To &gt;10, Add</i>	1,520.67	
		<i>For &gt;10 To 25, Add</i>	909.96	
		<i>For &gt;25 To 50, Add</i>	653.15	
		<i>For &gt;50 To 100, Add</i>	326.58	
		<i>For &gt;500 To 1,000, Deduct</i>	-118.40	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-179.47	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-294.64	
		<i>For &gt;5,000, Deduct</i>	-488.57	
		<i>For Vinlyester Resin, Add</i>	1,500.53	
		<i>For Epoxy Resin, Add</i>	176.85	
33 01 30 72-0160	LF	24mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,471.80	
		<i>For Up To &gt;10, Add</i>	1,639.05	
		<i>For &gt;10 To 25, Add</i>	980.79	
		<i>For &gt;25 To 50, Add</i>	704.00	
		<i>For &gt;50 To 100, Add</i>	352.00	
		<i>For &gt;500 To 1,000, Deduct</i>	-127.62	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-193.45	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-317.58	
		<i>For &gt;5,000, Deduct</i>	-526.61	
		<i>For Vinlyester Resin, Add</i>	1,617.38	
		<i>For Epoxy Resin, Add</i>	190.62	
<b>33 01 30 72-0161</b>		<b>25.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0162	LF	25.5mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	631.31	
		<i>For Up To &gt;10, Add</i>	416.33	
		<i>For &gt;10 To 25, Add</i>	248.44	
		<i>For &gt;25 To 50, Add</i>	178.61	
		<i>For &gt;50 To 100, Add</i>	89.31	
		<i>For &gt;500 To 1,000, Deduct</i>	-32.57	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-49.36	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-80.99	
		<i>For &gt;5,000, Deduct</i>	-134.32	
33 01 30 72-0163	LF	25.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	725.32	
		<i>For Up To &gt;10, Add</i>	476.69	
		<i>For &gt;10 To 25, Add</i>	283.95	
		<i>For &gt;25 To 50, Add</i>	204.36	
		<i>For &gt;50 To 100, Add</i>	102.18	
		<i>For &gt;500 To 1,000, Deduct</i>	-37.41	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-56.68	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-92.97	
		<i>For &gt;5,000, Deduct</i>	-154.19	
33 01 30 72-0164	LF	25.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	819.99	
		<i>For Up To &gt;10, Add</i>	539.00	
		<i>For &gt;10 To 25, Add</i>	321.10	
		<i>For &gt;25 To 50, Add</i>	231.08	
		<i>For &gt;50 To 100, Add</i>	115.54	
		<i>For &gt;500 To 1,000, Deduct</i>	-42.29	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-64.08	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-105.11	
		<i>For &gt;5,000, Deduct</i>	-174.32	
33 01 30 72-0165	LF	25.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	914.49	
		<i>For Up To &gt;10, Add</i>	600.80	
		<i>For &gt;10 To 25, Add</i>	357.82	
		<i>For &gt;25 To 50, Add</i>	257.54	
		<i>For &gt;50 To 100, Add</i>	128.77	
		<i>For &gt;500 To 1,000, Deduct</i>	-47.16	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-71.46	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-117.20	
		<i>For &gt;5,000, Deduct</i>	-194.38	
33 01 30 72-0166	LF	25.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,103.80	
		<i>For Up To &gt;10, Add</i>	725.38	
		<i>For &gt;10 To 25, Add</i>	432.08	
		<i>For &gt;25 To 50, Add</i>	310.97	
		<i>For &gt;50 To 100, Add</i>	155.48	
		<i>For &gt;500 To 1,000, Deduct</i>	-56.92	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-86.25	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-141.48	
		<i>For &gt;5,000, Deduct</i>	-234.64	
33 01 30 72-0167	LF	25.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,292.95	
		<i>For Up To &gt;10, Add</i>	849.45	
		<i>For &gt;10 To 25, Add</i>	505.92	
		<i>For &gt;25 To 50, Add</i>	364.14	
		<i>For &gt;50 To 100, Add</i>	182.07	
		<i>For &gt;500 To 1,000, Deduct</i>	-66.68	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-101.03	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-165.71	
		<i>For &gt;5,000, Deduct</i>	-274.83	
33 01 30 72-0168	LF	25.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,482.27	
		<i>For Up To &gt;10, Add</i>	974.04	
		<i>For &gt;10 To 25, Add</i>	580.18	
		<i>For &gt;25 To 50, Add</i>	417.56	
		<i>For &gt;50 To 100, Add</i>	208.78	
		<i>For &gt;500 To 1,000, Deduct</i>	-76.44	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-115.83	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-189.98	
		<i>For &gt;5,000, Deduct</i>	-315.09	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0169	LF		25.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,671.43	
			For Up To >10, Add	1,098.14	
			For >10 To 25, Add	654.04	
			For >25 To 50, Add	470.75	
			For >50 To 100, Add	235.37	
			For >500 To 1,000, Deduct	-86.20	
			For >1,000 To 2,000, Deduct	-130.61	
			For >2,000 To 5,000, Deduct	-214.22	
			For >5,000, Deduct	-355.28	
33 01 30 72-0170	LF		25.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,860.75	
			For Up To >10, Add	1,222.73	
			For >10 To 25, Add	728.30	
			For >25 To 50, Add	524.17	
			For >50 To 100, Add	262.09	
			For >500 To 1,000, Deduct	-95.96	
			For >1,000 To 2,000, Deduct	-145.40	
			For >2,000 To 5,000, Deduct	-238.49	
			For >5,000, Deduct	-395.54	
33 01 30 72-0171	LF		25.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,055.23	
			For Up To >10, Add	1,362.82	
			For >10 To 25, Add	815.49	
			For >25 To 50, Add	585.35	
			For >50 To 100, Add	292.68	
			For >500 To 1,000, Deduct	-106.11	
			For >1,000 To 2,000, Deduct	-160.85	
			For >2,000 To 5,000, Deduct	-264.06	
			For >5,000, Deduct	-437.86	
33 01 30 72-0172	LF		25.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,245.05	
			For Up To >10, Add	1,488.88	
			For >10 To 25, Add	890.98	
			For >25 To 50, Add	639.51	
			For >50 To 100, Add	319.76	
			For >500 To 1,000, Deduct	-115.92	
			For >1,000 To 2,000, Deduct	-175.71	
			For >2,000 To 5,000, Deduct	-288.46	
			For >5,000, Deduct	-478.32	
33 01 30 72-0173	LF		25.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,434.68	
			For Up To >10, Add	1,614.42	
			For >10 To 25, Add	966.04	
			For >25 To 50, Add	693.42	
			For >50 To 100, Add	346.71	
			For >500 To 1,000, Deduct	-125.70	
			For >1,000 To 2,000, Deduct	-190.54	
			For >2,000 To 5,000, Deduct	-312.81	
			For >5,000, Deduct	-518.70	
			For Vinlyester Resin, Add	1,593.10	
			For Epoxy Resin, Add	187.76	
33 01 30 72-0174	LF		25.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,624.49	
			For Up To >10, Add	1,740.47	
			For >10 To 25, Add	1,041.53	
			For >25 To 50, Add	747.58	
			For >50 To 100, Add	373.79	
			For >500 To 1,000, Deduct	-135.51	
			For >1,000 To 2,000, Deduct	-205.40	
			For >2,000 To 5,000, Deduct	-337.21	
			For >5,000, Deduct	-559.16	
			For Vinlyester Resin, Add	1,717.24	
			For Epoxy Resin, Add	202.39	
<b>33 01 30 72-0175</b>			<b>27mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0176	LF		27mm Lining 21" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	665.37	
			For Up To >10, Add	436.21	
			For >10 To 25, Add	259.52	
			For >25 To 50, Add	186.91	
			For >50 To 100, Add	93.45	
			For >500 To 1,000, Deduct	-34.30	
			For >1,000 To 2,000, Deduct	-51.97	
			For >2,000 To 5,000, Deduct	-85.23	
			For >5,000, Deduct	-141.36	
33 01 30 72-0177	LF		27mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	765.56	
			For Up To >10, Add	502.06	
			For >10 To 25, Add	298.74	
			For >25 To 50, Add	215.14	
			For >50 To 100, Add	107.57	
			For >500 To 1,000, Deduct	-39.47	
			For >1,000 To 2,000, Deduct	-59.80	
			For >2,000 To 5,000, Deduct	-98.07	
			For >5,000, Deduct	-162.65	
33 01 30 72-0178	LF		27mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	865.78	
			For Up To >10, Add	567.97	
			For >10 To 25, Add	338.01	
			For >25 To 50, Add	243.40	
			For >50 To 100, Add	121.70	
			For >500 To 1,000, Deduct	-44.64	
			For >1,000 To 2,000, Deduct	-67.64	
			For >2,000 To 5,000, Deduct	-110.92	
			For >5,000, Deduct	-183.96	



**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0179	LF	27mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	965.81	
		<i>For Up To &gt;10, Add</i>	633.33	
		<i>For &gt;10 To 25, Add</i>	376.84	
		<i>For &gt;25 To 50, Add</i>	271.38	
		<i>For &gt;50 To 100, Add</i>	135.69	
		<i>For &gt;500 To 1,000, Deduct</i>	-49.79	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-75.44	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-123.72	
		<i>For &gt;5,000, Deduct</i>	-205.20	
33 01 30 72-0180	LF	27mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,166.04	
		<i>For Up To &gt;10, Add</i>	764.60	
		<i>For &gt;10 To 25, Add</i>	454.93	
		<i>For &gt;25 To 50, Add</i>	327.63	
		<i>For &gt;50 To 100, Add</i>	163.81	
		<i>For &gt;500 To 1,000, Deduct</i>	-60.12	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-91.08	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-149.37	
		<i>For &gt;5,000, Deduct</i>	-247.73	
33 01 30 72-0181	LF	27mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,366.43	
		<i>For Up To &gt;10, Add</i>	896.32	
		<i>For &gt;10 To 25, Add</i>	533.40	
		<i>For &gt;25 To 50, Add</i>	384.10	
		<i>For &gt;50 To 100, Add</i>	192.05	
		<i>For &gt;500 To 1,000, Deduct</i>	-70.45	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-106.74	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-175.05	
		<i>For &gt;5,000, Deduct</i>	-290.33	
33 01 30 72-0182	LF	27mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,566.67	
		<i>For Up To &gt;10, Add</i>	1,027.56	
		<i>For &gt;10 To 25, Add</i>	611.47	
		<i>For &gt;25 To 50, Add</i>	440.33	
		<i>For &gt;50 To 100, Add</i>	220.17	
		<i>For &gt;500 To 1,000, Deduct</i>	-80.78	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-122.38	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-200.70	
		<i>For &gt;5,000, Deduct</i>	-332.87	
33 01 30 72-0183	LF	27mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,766.90	
		<i>For Up To &gt;10, Add</i>	1,158.83	
		<i>For &gt;10 To 25, Add</i>	689.56	
		<i>For &gt;25 To 50, Add</i>	496.58	
		<i>For &gt;50 To 100, Add</i>	248.29	
		<i>For &gt;500 To 1,000, Deduct</i>	-91.10	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-138.03	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-226.35	
		<i>For &gt;5,000, Deduct</i>	-375.41	
33 01 30 72-0184	LF	27mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,967.13	
		<i>For Up To &gt;10, Add</i>	1,290.07	
		<i>For &gt;10 To 25, Add</i>	767.63	
		<i>For &gt;25 To 50, Add</i>	552.81	
		<i>For &gt;50 To 100, Add</i>	276.40	
		<i>For &gt;500 To 1,000, Deduct</i>	-101.42	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-153.66	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-251.99	
		<i>For &gt;5,000, Deduct</i>	-417.95	
33 01 30 72-0185	LF	27mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,174.17	
		<i>For Up To &gt;10, Add</i>	1,441.71	
		<i>For &gt;10 To 25, Add</i>	862.71	
		<i>For &gt;25 To 50, Add</i>	619.24	
		<i>For &gt;50 To 100, Add</i>	309.62	
		<i>For &gt;500 To 1,000, Deduct</i>	-112.25	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-170.16	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-279.34	
		<i>For &gt;5,000, Deduct</i>	-463.20	
33 01 30 72-0186	LF	27mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,375.06	
		<i>For Up To &gt;10, Add</i>	1,574.93	
		<i>For &gt;10 To 25, Add</i>	942.43	
		<i>For &gt;25 To 50, Add</i>	676.46	
		<i>For &gt;50 To 100, Add</i>	338.23	
		<i>For &gt;500 To 1,000, Deduct</i>	-122.63	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-185.88	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-305.15	
		<i>For &gt;5,000, Deduct</i>	-506.00	
33 01 30 72-0187	LF	27mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,575.93	
		<i>For Up To &gt;10, Add</i>	1,708.09	
		<i>For &gt;10 To 25, Add</i>	1,022.10	
		<i>For &gt;25 To 50, Add</i>	733.65	
		<i>For &gt;50 To 100, Add</i>	366.83	
		<i>For &gt;500 To 1,000, Deduct</i>	-133.00	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-201.60	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-330.96	
		<i>For &gt;5,000, Deduct</i>	-548.80	
		<i>For Vinlyester Resin, Add</i>	1,685.52	
		<i>For Epoxy Resin, Add</i>	198.65	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0188	LF		27mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,776.81	
			For Up To >10, Add	1,841.28	
			For >10 To 25, Add	1,101.79	
			For >25 To 50, Add	790.86	
			For >50 To 100, Add	395.43	
			For >500 To 1,000, Deduct	-143.37	
			For >1,000 To 2,000, Deduct	-217.32	
			For >2,000 To 5,000, Deduct	-356.77	
			For >5,000, Deduct	-591.59	
			For Vinylster Resin, Add	1,816.96	
			For Epoxy Resin, Add	214.14	
<b>33 01 30 72-0189</b>			<b>28.5mm Thick Lining Cured In-Place Pipe</b> (33 01 30 72-0015)		
33 01 30 72-0190	LF		28.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	805.28	
			For Up To >10, Add	526.39	
			For >10 To 25, Add	312.70	
			For >25 To 50, Add	225.41	
			For >50 To 100, Add	112.70	
			For >500 To 1,000, Deduct	-41.50	
			For >1,000 To 2,000, Deduct	-62.87	
			For >2,000 To 5,000, Deduct	-103.07	
			For >5,000, Deduct	-170.96	
33 01 30 72-0191	LF		28.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	911.02	
			For Up To >10, Add	595.84	
			For >10 To 25, Add	354.05	
			For >25 To 50, Add	255.17	
			For >50 To 100, Add	127.59	
			For >500 To 1,000, Deduct	-46.95	
			For >1,000 To 2,000, Deduct	-71.13	
			For >2,000 To 5,000, Deduct	-116.62	
			For >5,000, Deduct	-193.43	
33 01 30 72-0192	LF		28.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,016.58	
			For Up To >10, Add	664.77	
			For >10 To 25, Add	394.97	
			For >25 To 50, Add	284.68	
			For >50 To 100, Add	142.34	
			For >500 To 1,000, Deduct	-52.39	
			For >1,000 To 2,000, Deduct	-79.37	
			For >2,000 To 5,000, Deduct	-130.13	
			For >5,000, Deduct	-215.83	
33 01 30 72-0193	LF		28.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,286.33	
			For Up To >10, Add	832.02	
			For >10 To 25, Add	491.55	
			For >25 To 50, Add	355.47	
			For >50 To 100, Add	177.73	
			For >500 To 1,000, Deduct	-66.21	
			For >1,000 To 2,000, Deduct	-100.25	
			For >2,000 To 5,000, Deduct	-164.18	
			For >5,000, Deduct	-272.37	
33 01 30 72-0194	LF		28.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,439.05	
			For Up To >10, Add	941.10	
			For >10 To 25, Add	559.18	
			For >25 To 50, Add	403.03	
			For >50 To 100, Add	201.51	
			For >500 To 1,000, Deduct	-74.17	
			For >1,000 To 2,000, Deduct	-112.36	
			For >2,000 To 5,000, Deduct	-184.21	
			For >5,000, Deduct	-305.54	
33 01 30 72-0195	LF		28.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,650.22	
			For Up To >10, Add	1,079.06	
			For >10 To 25, Add	641.11	
			For >25 To 50, Add	462.10	
			For >50 To 100, Add	231.05	
			For >500 To 1,000, Deduct	-85.05	
			For >1,000 To 2,000, Deduct	-128.85	
			For >2,000 To 5,000, Deduct	-211.23	
			For >5,000, Deduct	-350.36	
33 01 30 72-0196	LF		28.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,861.37	
			For Up To >10, Add	1,216.99	
			For >10 To 25, Add	723.01	
			For >25 To 50, Add	521.15	
			For >50 To 100, Add	260.58	
			For >500 To 1,000, Deduct	-95.93	
			For >1,000 To 2,000, Deduct	-145.33	
			For >2,000 To 5,000, Deduct	-238.25	
			For >5,000, Deduct	-395.18	
33 01 30 72-0197	LF		28.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,072.51	
			For Up To >10, Add	1,354.88	
			For >10 To 25, Add	804.89	
			For >25 To 50, Add	580.19	
			For >50 To 100, Add	290.09	
			For >500 To 1,000, Deduct	-106.81	
			For >1,000 To 2,000, Deduct	-161.81	
			For >2,000 To 5,000, Deduct	-265.27	
			For >5,000, Deduct	-439.99	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0198	LF	28.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,290.78	
		<i>For Up To &gt;10, Add</i>	1,514.17	
		<i>For &gt;10 To 25, Add</i>	904.59	
		<i>For &gt;25 To 50, Add</i>	649.92	
		<i>For &gt;50 To 100, Add</i>	324.96	
		<i>For &gt;500 To 1,000, Deduct</i>	-118.23	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-179.18	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-294.07	
		<i>For &gt;5,000, Deduct</i>	-487.66	
33 01 30 72-0199	LF	28.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,502.58	
		<i>For Up To &gt;10, Add</i>	1,654.04	
		<i>For &gt;10 To 25, Add</i>	988.12	
		<i>For &gt;25 To 50, Add</i>	709.95	
		<i>For &gt;50 To 100, Add</i>	354.97	
		<i>For &gt;500 To 1,000, Deduct</i>	-129.16	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-195.75	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-321.25	
		<i>For &gt;5,000, Deduct</i>	-532.74	
33 01 30 72-0200	LF	28.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,714.55	
		<i>For Up To &gt;10, Add</i>	1,794.40	
		<i>For &gt;10 To 25, Add</i>	1,072.05	
		<i>For &gt;25 To 50, Add</i>	770.22	
		<i>For &gt;50 To 100, Add</i>	385.11	
		<i>For &gt;500 To 1,000, Deduct</i>	-140.10	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-212.33	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-348.48	
		<i>For &gt;5,000, Deduct</i>	-577.88	
		<i>For Vinlyester Resin, Add</i>	1,777.79	
		<i>For Epoxy Resin, Add</i>	209.53	
33 01 30 72-0201	LF	28.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,926.35	
		<i>For Up To &gt;10, Add</i>	1,934.28	
		<i>For &gt;10 To 25, Add</i>	1,155.58	
		<i>For &gt;25 To 50, Add</i>	830.24	
		<i>For &gt;50 To 100, Add</i>	415.12	
		<i>For &gt;500 To 1,000, Deduct</i>	-151.03	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-228.90	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-375.66	
		<i>For &gt;5,000, Deduct</i>	-622.96	
		<i>For Vinlyester Resin, Add</i>	1,916.54	
		<i>For Epoxy Resin, Add</i>	225.88	

**33 01 30 72-0202 30mm Thick Lining Cured In-Place Pipe** (33 01 30 72-0015)

33 01 30 72-0203	LF	30mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	844.78	
		<i>For Up To &gt;10, Add</i>	550.57	
		<i>For &gt;10 To 25, Add</i>	326.55	
		<i>For &gt;25 To 50, Add</i>	235.61	
		<i>For &gt;50 To 100, Add</i>	117.80	
		<i>For &gt;500 To 1,000, Deduct</i>	-43.52	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-65.92	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-108.04	
		<i>For &gt;5,000, Deduct</i>	-179.21	
33 01 30 72-0204	LF	30mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	955.89	
		<i>For Up To &gt;10, Add</i>	623.10	
		<i>For &gt;10 To 25, Add</i>	369.61	
		<i>For &gt;25 To 50, Add</i>	266.66	
		<i>For &gt;50 To 100, Add</i>	133.33	
		<i>For &gt;500 To 1,000, Deduct</i>	-49.25	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-74.59	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-122.25	
		<i>For &gt;5,000, Deduct</i>	-202.79	
33 01 30 72-0205	LF	30mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,067.01	
		<i>For Up To &gt;10, Add</i>	695.66	
		<i>For &gt;10 To 25, Add</i>	412.69	
		<i>For &gt;25 To 50, Add</i>	297.72	
		<i>For &gt;50 To 100, Add</i>	148.86	
		<i>For &gt;500 To 1,000, Deduct</i>	-54.97	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-83.27	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-136.47	
		<i>For &gt;5,000, Deduct</i>	-226.37	
33 01 30 72-0206	LF	30mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,289.07	
		<i>For Up To &gt;10, Add</i>	840.24	
		<i>For &gt;10 To 25, Add</i>	498.40	
		<i>For &gt;25 To 50, Add</i>	359.58	
		<i>For &gt;50 To 100, Add</i>	179.79	
		<i>For &gt;500 To 1,000, Deduct</i>	-66.41	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-100.59	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-164.86	
		<i>For &gt;5,000, Deduct</i>	-273.47	
33 01 30 72-0207	LF	30mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,511.31	
		<i>For Up To &gt;10, Add</i>	985.33	
		<i>For &gt;10 To 25, Add</i>	584.54	
		<i>For &gt;25 To 50, Add</i>	421.69	
		<i>For &gt;50 To 100, Add</i>	210.85	
		<i>For &gt;500 To 1,000, Deduct</i>	-77.86	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-117.94	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-193.30	
		<i>For &gt;5,000, Deduct</i>	-320.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0208	LF		30mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,733.38	
			For Up To >10, Add	1,129.94	
			For >10 To 25, Add	670.27	
			For >25 To 50, Add	483.57	
			For >50 To 100, Add	241.78	
			For >500 To 1,000, Deduct	-89.30	
			For >1,000 To 2,000, Deduct	-135.27	
			For >2,000 To 5,000, Deduct	-221.69	
			For >5,000, Deduct	-367.74	
33 01 30 72-0209	LF		30mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,955.61	
			For Up To >10, Add	1,275.01	
			For >10 To 25, Add	756.38	
			For >25 To 50, Add	545.67	
			For >50 To 100, Add	272.83	
			For >500 To 1,000, Deduct	-100.75	
			For >1,000 To 2,000, Deduct	-152.61	
			For >2,000 To 5,000, Deduct	-250.13	
			For >5,000, Deduct	-414.90	
33 01 30 72-0210	LF		30mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,177.69	
			For Up To >10, Add	1,419.62	
			For >10 To 25, Add	842.12	
			For >25 To 50, Add	607.54	
			For >50 To 100, Add	303.77	
			For >500 To 1,000, Deduct	-112.19	
			For >1,000 To 2,000, Deduct	-169.94	
			For >2,000 To 5,000, Deduct	-278.52	
			For >5,000, Deduct	-462.00	
33 01 30 72-0211	LF		30mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,407.19	
			For Up To >10, Add	1,586.52	
			For >10 To 25, Add	946.43	
			For >25 To 50, Add	680.56	
			For >50 To 100, Add	340.28	
			For >500 To 1,000, Deduct	-124.19	
			For >1,000 To 2,000, Deduct	-188.20	
			For >2,000 To 5,000, Deduct	-308.77	
			For >5,000, Deduct	-512.07	
33 01 30 72-0212	LF		30mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,629.91	
			For Up To >10, Add	1,733.06	
			For >10 To 25, Add	1,033.77	
			For >25 To 50, Add	743.39	
			For >50 To 100, Add	371.70	
			For >500 To 1,000, Deduct	-135.68	
			For >1,000 To 2,000, Deduct	-205.61	
			For >2,000 To 5,000, Deduct	-337.33	
			For >5,000, Deduct	-559.43	
33 01 30 72-0213	LF		30mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,852.79	
			For Up To >10, Add	1,880.10	
			For >10 To 25, Add	1,121.53	
			For >25 To 50, Add	806.48	
			For >50 To 100, Add	403.24	
			For >500 To 1,000, Deduct	-147.18	
			For >1,000 To 2,000, Deduct	-223.03	
			For >2,000 To 5,000, Deduct	-365.93	
			For >5,000, Deduct	-606.85	
			For Vinlyester Resin, Add	1,869.92	
			For Epoxy Resin, Add	220.38	
33 01 30 72-0214	LF		30mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,075.66	
			For Up To >10, Add	2,027.11	
			For >10 To 25, Add	1,209.26	
			For >25 To 50, Add	869.56	
			For >50 To 100, Add	434.78	
			For >500 To 1,000, Deduct	-158.68	
			For >1,000 To 2,000, Deduct	-240.46	
			For >2,000 To 5,000, Deduct	-394.52	
			For >5,000, Deduct	-654.27	
			For Vinlyester Resin, Add	2,015.97	
			For Epoxy Resin, Add	237.60	
33 01 30 72-0215	LF		30mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,298.38	
			For Up To >10, Add	2,173.64	
			For >10 To 25, Add	1,296.60	
			For >25 To 50, Add	932.39	
			For >50 To 100, Add	466.20	
			For >500 To 1,000, Deduct	-170.16	
			For >1,000 To 2,000, Deduct	-257.87	
			For >2,000 To 5,000, Deduct	-423.08	
			For >5,000, Deduct	-701.63	
			For Vinlyester Resin, Add	2,162.02	
			For Epoxy Resin, Add	254.81	
33 01 30 72-0216	LF		30mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,521.26	
			For Up To >10, Add	2,320.68	
			For >10 To 25, Add	1,384.36	
			For >25 To 50, Add	995.48	
			For >50 To 100, Add	497.74	
			For >500 To 1,000, Deduct	-181.66	
			For >1,000 To 2,000, Deduct	-275.30	
			For >2,000 To 5,000, Deduct	-451.67	
			For >5,000, Deduct	-749.06	
			For Vinlyester Resin, Add	2,308.07	
			For Epoxy Resin, Add	272.02	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0217		<b>31.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
	33 01 30 72-0218	LF	31.5mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	884.08	
			For Up To >10, Add	574.67	
			For >10 To 25, Add	340.38	
			For >25 To 50, Add	245.78	
			For >50 To 100, Add	122.89	
			For >500 To 1,000, Deduct	-45.53	
			For >1,000 To 2,000, Deduct	-68.96	
			For >2,000 To 5,000, Deduct	-112.99	
			For >5,000, Deduct	-187.43	
	33 01 30 72-0219	LF	31.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,000.58	
			For Up To >10, Add	650.32	
			For >10 To 25, Add	385.17	
			For >25 To 50, Add	278.13	
			For >50 To 100, Add	139.06	
			For >500 To 1,000, Deduct	-51.53	
			For >1,000 To 2,000, Deduct	-78.04	
			For >2,000 To 5,000, Deduct	-127.87	
			For >5,000, Deduct	-212.12	
	33 01 30 72-0220	LF	31.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,117.06	
			For Up To >10, Add	725.93	
			For >10 To 25, Add	429.93	
			For >25 To 50, Add	310.46	
			For >50 To 100, Add	155.23	
			For >500 To 1,000, Deduct	-57.53	
			For >1,000 To 2,000, Deduct	-87.13	
			For >2,000 To 5,000, Deduct	-142.75	
			For >5,000, Deduct	-236.80	
	33 01 30 72-0221	LF	31.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,350.21	
			For Up To >10, Add	877.68	
			For >10 To 25, Add	519.87	
			For >25 To 50, Add	375.38	
			For >50 To 100, Add	187.69	
			For >500 To 1,000, Deduct	-69.54	
			For >1,000 To 2,000, Deduct	-105.32	
			For >2,000 To 5,000, Deduct	-172.56	
			For >5,000, Deduct	-286.25	
	33 01 30 72-0222	LF	31.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,583.21	
			For Up To >10, Add	1,028.98	
			For >10 To 25, Add	609.44	
			For >25 To 50, Add	440.08	
			For >50 To 100, Add	220.04	
			For >500 To 1,000, Deduct	-81.53	
			For >1,000 To 2,000, Deduct	-123.49	
			For >2,000 To 5,000, Deduct	-202.33	
			For >5,000, Deduct	-335.63	
	33 01 30 72-0223	LF	31.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,816.36	
			For Up To >10, Add	1,180.73	
			For >10 To 25, Add	699.39	
			For >25 To 50, Add	505.00	
			For >50 To 100, Add	252.50	
			For >500 To 1,000, Deduct	-93.54	
			For >1,000 To 2,000, Deduct	-141.68	
			For >2,000 To 5,000, Deduct	-232.14	
			For >5,000, Deduct	-385.08	
	33 01 30 72-0224	LF	31.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,049.33	
			For Up To >10, Add	1,331.97	
			For >10 To 25, Add	788.90	
			For >25 To 50, Add	569.66	
			For >50 To 100, Add	284.83	
			For >500 To 1,000, Deduct	-105.54	
			For >1,000 To 2,000, Deduct	-159.85	
			For >2,000 To 5,000, Deduct	-261.90	
			For >5,000, Deduct	-434.45	
	33 01 30 72-0225	LF	31.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,282.33	
			For Up To >10, Add	1,483.27	
			For >10 To 25, Add	878.47	
			For >25 To 50, Add	634.36	
			For >50 To 100, Add	317.18	
			For >500 To 1,000, Deduct	-117.54	
			For >1,000 To 2,000, Deduct	-178.02	
			For >2,000 To 5,000, Deduct	-291.67	
			For >5,000, Deduct	-483.83	
	33 01 30 72-0226	LF	31.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,523.08	
			For Up To >10, Add	1,657.82	
			For >10 To 25, Add	987.42	
			For >25 To 50, Add	710.68	
			For >50 To 100, Add	355.34	
			For >500 To 1,000, Deduct	-130.12	
			For >1,000 To 2,000, Deduct	-197.16	
			For >2,000 To 5,000, Deduct	-323.38	
			For >5,000, Deduct	-536.32	
	33 01 30 72-0227	LF	31.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,774.68	
			For Up To >10, Add	1,820.82	
			For >10 To 25, Add	1,083.80	
			For >25 To 50, Add	780.34	
			For >50 To 100, Add	390.17	
			For >500 To 1,000, Deduct	-143.07	
			For >1,000 To 2,000, Deduct	-216.77	
			For >2,000 To 5,000, Deduct	-355.50	
			For >5,000, Deduct	-589.61	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0228	LF		31.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,990.51	
			For Up To >10, Add	1,964.73	
			For >10 To 25, Add	1,170.16	
			For >25 To 50, Add	842.23	
			For >50 To 100, Add	421.11	
			For >500 To 1,000, Deduct	-154.22	
			For >1,000 To 2,000, Deduct	-233.68	
			For >2,000 To 5,000, Deduct	-383.27	
			For >5,000, Deduct	-635.66	
			For Vinlyester Resin, Add	1,961.90	
			For Epoxy Resin, Add	231.22	
33 01 30 72-0229	LF		31.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,224.31	
			For Up To >10, Add	2,118.43	
			For >10 To 25, Add	1,261.73	
			For >25 To 50, Add	908.13	
			For >50 To 100, Add	454.06	
			For >500 To 1,000, Deduct	-166.28	
			For >1,000 To 2,000, Deduct	-251.95	
			For >2,000 To 5,000, Deduct	-413.24	
			For >5,000, Deduct	-685.36	
			For Vinlyester Resin, Add	2,115.26	
			For Epoxy Resin, Add	249.30	
33 01 30 72-0230	LF		31.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,457.93	
			For Up To >10, Add	2,271.62	
			For >10 To 25, Add	1,352.87	
			For >25 To 50, Add	973.76	
			For >50 To 100, Add	486.88	
			For >500 To 1,000, Deduct	-178.32	
			For >1,000 To 2,000, Deduct	-270.20	
			For >2,000 To 5,000, Deduct	-443.17	
			For >5,000, Deduct	-735.00	
			For Vinlyester Resin, Add	2,268.61	
			For Epoxy Resin, Add	267.37	
33 01 30 72-0231	LF		31.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,691.74	
			For Up To >10, Add	2,425.35	
			For >10 To 25, Add	1,444.46	
			For >25 To 50, Add	1,039.68	
			For >50 To 100, Add	519.84	
			For >500 To 1,000, Deduct	-190.38	
			For >1,000 To 2,000, Deduct	-288.47	
			For >2,000 To 5,000, Deduct	-473.14	
			For >5,000, Deduct	-784.71	
			For Vinlyester Resin, Add	2,421.97	
			For Epoxy Resin, Add	285.45	
<b>33 01 30 72-0232 33mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>					
33 01 30 72-0233	LF		33mm Lining 24" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	923.01	
			For Up To >10, Add	598.18	
			For >10 To 25, Add	353.76	
			For >25 To 50, Add	255.67	
			For >50 To 100, Add	127.84	
			For >500 To 1,000, Deduct	-47.52	
			For >1,000 To 2,000, Deduct	-71.96	
			For >2,000 To 5,000, Deduct	-117.87	
			For >5,000, Deduct	-195.54	
33 01 30 72-0234	LF		33mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,045.04	
			For Up To >10, Add	677.40	
			For >10 To 25, Add	400.65	
			For >25 To 50, Add	289.54	
			For >50 To 100, Add	144.77	
			For >500 To 1,000, Deduct	-53.80	
			For >1,000 To 2,000, Deduct	-81.48	
			For >2,000 To 5,000, Deduct	-133.46	
			For >5,000, Deduct	-221.40	
33 01 30 72-0235	LF		33mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,166.92	
			For Up To >10, Add	756.14	
			For >10 To 25, Add	447.14	
			For >25 To 50, Add	323.18	
			For >50 To 100, Add	161.59	
			For >500 To 1,000, Deduct	-60.07	
			For >1,000 To 2,000, Deduct	-90.97	
			For >2,000 To 5,000, Deduct	-149.01	
			For >5,000, Deduct	-247.20	
33 01 30 72-0236	LF		33mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,410.98	
			For Up To >10, Add	914.54	
			For >10 To 25, Add	540.89	
			For >25 To 50, Add	390.90	
			For >50 To 100, Add	195.45	
			For >500 To 1,000, Deduct	-72.64	
			For >1,000 To 2,000, Deduct	-110.00	
			For >2,000 To 5,000, Deduct	-180.19	
			For >5,000, Deduct	-298.92	

**33 Utilities**

**33 01 Operation and Maintenance of Utilities**

**33 01 30 Operation and Maintenance of Sewer Utilities**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 01 30 72-0237	LF 33mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,654.89	
	For Up To >10, Add	1,072.50	
	For >10 To 25, Add	634.27	
	For >25 To 50, Add	458.40	
	For >50 To 100, Add	229.20	
	For >500 To 1,000, Deduct	-85.20	
	For >1,000 To 2,000, Deduct	-129.02	
	For >2,000 To 5,000, Deduct	-211.33	
	For >5,000, Deduct	-350.58	
33 01 30 72-0238	LF 33mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,898.95	
	For Up To >10, Add	1,230.90	
	For >10 To 25, Add	728.02	
	For >25 To 50, Add	526.13	
	For >50 To 100, Add	263.07	
	For >500 To 1,000, Deduct	-97.76	
	For >1,000 To 2,000, Deduct	-148.05	
	For >2,000 To 5,000, Deduct	-242.51	
	For >5,000, Deduct	-402.30	
33 01 30 72-0239	LF 33mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,142.86	
	For Up To >10, Add	1,388.86	
	For >10 To 25, Add	821.40	
	For >25 To 50, Add	593.63	
	For >50 To 100, Add	296.82	
	For >500 To 1,000, Deduct	-110.32	
	For >1,000 To 2,000, Deduct	-167.06	
	For >2,000 To 5,000, Deduct	-273.65	
	For >5,000, Deduct	-453.97	
33 01 30 72-0240	LF 33mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,386.77	
	For Up To >10, Add	1,546.81	
	For >10 To 25, Add	914.78	
	For >25 To 50, Add	661.14	
	For >50 To 100, Add	330.57	
	For >500 To 1,000, Deduct	-122.87	
	For >1,000 To 2,000, Deduct	-186.08	
	For >2,000 To 5,000, Deduct	-304.79	
	For >5,000, Deduct	-505.63	
33 01 30 72-0241	LF 33mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,638.59	
	For Up To >10, Add	1,728.52	
	For >10 To 25, Add	1,027.95	
	For >25 To 50, Add	740.52	
	For >50 To 100, Add	370.26	
	For >500 To 1,000, Deduct	-136.02	
	For >1,000 To 2,000, Deduct	-206.08	
	For >2,000 To 5,000, Deduct	-337.91	
	For >5,000, Deduct	-560.46	
33 01 30 72-0242	LF 33mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,883.80	
	For Up To >10, Add	1,890.35	
	For >10 To 25, Add	1,124.56	
	For >25 To 50, Add	809.95	
	For >50 To 100, Add	404.98	
	For >500 To 1,000, Deduct	-148.67	
	For >1,000 To 2,000, Deduct	-225.25	
	For >2,000 To 5,000, Deduct	-369.38	
	For >5,000, Deduct	-612.64	
33 01 30 72-0243	LF 33mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,127.85	
	For Up To >10, Add	2,048.75	
	For >10 To 25, Add	1,218.31	
	For >25 To 50, Add	877.68	
	For >50 To 100, Add	438.84	
	For >500 To 1,000, Deduct	-161.24	
	For >1,000 To 2,000, Deduct	-244.29	
	For >2,000 To 5,000, Deduct	-400.55	
	For >5,000, Deduct	-664.36	
	For Vinlyester Resin, Add	2,053.74	
	For Epoxy Resin, Add	242.05	
33 01 30 72-0244	LF 33mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,372.57	
	For Up To >10, Add	2,209.14	
	For >10 To 25, Add	1,313.71	
	For >25 To 50, Add	946.40	
	For >50 To 100, Add	473.20	
	For >500 To 1,000, Deduct	-173.86	
	For >1,000 To 2,000, Deduct	-263.40	
	For >2,000 To 5,000, Deduct	-431.90	
	For >5,000, Deduct	-716.34	
	For Vinlyester Resin, Add	2,214.40	
	For Epoxy Resin, Add	260.98	
33 01 30 72-0245	LF 33mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,617.29	
	For Up To >10, Add	2,369.52	
	For >10 To 25, Add	1,409.11	
	For >25 To 50, Add	1,015.11	
	For >50 To 100, Add	507.56	
	For >500 To 1,000, Deduct	-186.47	
	For >1,000 To 2,000, Deduct	-282.51	
	For >2,000 To 5,000, Deduct	-463.24	
	For >5,000, Deduct	-768.33	
	For Vinlyester Resin, Add	2,375.06	
	For Epoxy Resin, Add	279.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
33 01 30 72-0246	LF		33mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,861.99	
			<i>For Up To &gt;10, Add</i>	2,529.85	
			<i>For &gt;10 To 25, Add</i>	1,504.46	
			<i>For &gt;25 To 50, Add</i>	1,083.80	
			<i>For &gt;50 To 100, Add</i>	541.90	
			<i>For &gt;500 To 1,000, Deduct</i>	-199.09	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-301.63	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-494.58	
			<i>For &gt;5,000, Deduct</i>	-820.31	
			<i>For Vinlyester Resin, Add</i>	2,535.72	
			<i>For Epoxy Resin, Add</i>	298.85	
<b>33 01 30 72-0247</b>			<b>34.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0248	LF		34.5mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,088.82	
			<i>For Up To &gt;10, Add</i>	702.91	
			<i>For &gt;10 To 25, Add</i>	414.86	
			<i>For &gt;25 To 50, Add</i>	300.18	
			<i>For &gt;50 To 100, Add</i>	150.09	
			<i>For &gt;500 To 1,000, Deduct</i>	-56.03	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-84.83	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-138.90	
			<i>For &gt;5,000, Deduct</i>	-230.44	
33 01 30 72-0249	LF		34.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,216.23	
			<i>For Up To &gt;10, Add</i>	785.22	
			<i>For &gt;10 To 25, Add</i>	463.45	
			<i>For &gt;25 To 50, Add</i>	335.34	
			<i>For &gt;50 To 100, Add</i>	167.67	
			<i>For &gt;500 To 1,000, Deduct</i>	-62.58	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-94.76	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-155.16	
			<i>For &gt;5,000, Deduct</i>	-257.41	
33 01 30 72-0250	LF		34.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,471.05	
			<i>For Up To &gt;10, Add</i>	949.83	
			<i>For &gt;10 To 25, Add</i>	560.63	
			<i>For &gt;25 To 50, Add</i>	405.65	
			<i>For &gt;50 To 100, Add</i>	202.82	
			<i>For &gt;500 To 1,000, Deduct</i>	-75.70	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-114.61	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-187.67	
			<i>For &gt;5,000, Deduct</i>	-311.35	
33 01 30 72-0251	LF		34.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,725.71	
			<i>For Up To &gt;10, Add</i>	1,113.96	
			<i>For &gt;10 To 25, Add</i>	657.42	
			<i>For &gt;25 To 50, Add</i>	475.71	
			<i>For &gt;50 To 100, Add</i>	237.86	
			<i>For &gt;500 To 1,000, Deduct</i>	-88.80	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-134.45	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-220.14	
			<i>For &gt;5,000, Deduct</i>	-365.23	
33 01 30 72-0252	LF		34.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,980.54	
			<i>For Up To &gt;10, Add</i>	1,278.60	
			<i>For &gt;10 To 25, Add</i>	754.63	
			<i>For &gt;25 To 50, Add</i>	546.04	
			<i>For &gt;50 To 100, Add</i>	273.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-101.91	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-154.31	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-252.66	
			<i>For &gt;5,000, Deduct</i>	-419.17	
33 01 30 72-0253	LF		34.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,235.20	
			<i>For Up To &gt;10, Add</i>	1,442.70	
			<i>For &gt;10 To 25, Add</i>	851.39	
			<i>For &gt;25 To 50, Add</i>	616.09	
			<i>For &gt;50 To 100, Add</i>	308.05	
			<i>For &gt;500 To 1,000, Deduct</i>	-115.01	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-174.14	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-285.13	
			<i>For &gt;5,000, Deduct</i>	-473.05	
33 01 30 72-0254	LF		34.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,490.02	
			<i>For Up To &gt;10, Add</i>	1,607.31	
			<i>For &gt;10 To 25, Add</i>	948.58	
			<i>For &gt;25 To 50, Add</i>	686.40	
			<i>For &gt;50 To 100, Add</i>	343.20	
			<i>For &gt;500 To 1,000, Deduct</i>	-128.12	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-194.00	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-317.64	
			<i>For &gt;5,000, Deduct</i>	-526.99	
33 01 30 72-0255	LF		34.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,752.77	
			<i>For Up To &gt;10, Add</i>	1,795.71	
			<i>For &gt;10 To 25, Add</i>	1,065.59	
			<i>For &gt;25 To 50, Add</i>	768.60	
			<i>For &gt;50 To 100, Add</i>	384.30	
			<i>For &gt;500 To 1,000, Deduct</i>	-141.83	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-214.84	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-352.14	
			<i>For &gt;5,000, Deduct</i>	-584.10	

**33 Utilities**

**33 01 Operation and Maintenance of Utilities**

**33 01 30 Operation and Maintenance of Sewer Utilities**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0256	LF	34.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,008.56	
			<i>For Up To &gt;10, Add</i>	1,963.23	
			<i>For &gt;10 To 25, Add</i>	1,165.20	
			<i>For &gt;25 To 50, Add</i>	840.37	
			<i>For &gt;50 To 100, Add</i>	420.18	
			<i>For &gt;500 To 1,000, Deduct</i>	-155.02	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-234.82	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-384.89	
			<i>For &gt;5,000, Deduct</i>	-638.43	
33 01 30	72-0257	LF	34.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,261.11	
			<i>For Up To &gt;10, Add</i>	2,121.03	
			<i>For &gt;10 To 25, Add</i>	1,256.71	
			<i>For &gt;25 To 50, Add</i>	907.27	
			<i>For &gt;50 To 100, Add</i>	453.63	
			<i>For &gt;500 To 1,000, Deduct</i>	-167.96	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-254.39	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-416.84	
			<i>For &gt;5,000, Deduct</i>	-691.46	
			<i>For Vinlyester Resin, Add</i>	2,145.44	
			<i>For Epoxy Resin, Add</i>	252.86	
33 01 30	72-0258	LF	34.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,519.34	
			<i>For Up To &gt;10, Add</i>	2,295.87	
			<i>For &gt;10 To 25, Add</i>	1,362.42	
			<i>For &gt;25 To 50, Add</i>	982.69	
			<i>For &gt;50 To 100, Add</i>	491.35	
			<i>For &gt;500 To 1,000, Deduct</i>	-181.33	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-274.67	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-450.20	
			<i>For &gt;5,000, Deduct</i>	-746.76	
			<i>For Vinlyester Resin, Add</i>	2,313.40	
			<i>For Epoxy Resin, Add</i>	272.65	
33 01 30	72-0259	LF	34.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,774.80	
			<i>For Up To &gt;10, Add</i>	2,462.40	
			<i>For &gt;10 To 25, Add</i>	1,461.20	
			<i>For &gt;25 To 50, Add</i>	1,053.96	
			<i>For &gt;50 To 100, Add</i>	526.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-194.49	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-294.61	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-482.88	
			<i>For &gt;5,000, Deduct</i>	-800.96	
			<i>For Vinlyester Resin, Add</i>	2,481.36	
			<i>For Epoxy Resin, Add</i>	292.45	
33 01 30	72-0260	LF	34.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,030.28	
			<i>For Up To &gt;10, Add</i>	2,628.97	
			<i>For &gt;10 To 25, Add</i>	1,560.01	
			<i>For &gt;25 To 50, Add</i>	1,125.25	
			<i>For &gt;50 To 100, Add</i>	562.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-207.65	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-314.55	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-515.55	
			<i>For &gt;5,000, Deduct</i>	-855.16	
			<i>For Vinlyester Resin, Add</i>	2,649.33	
			<i>For Epoxy Resin, Add</i>	312.24	
33 01 30	72-0261		<b>36mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30	72-0262	LF	36mm Lining 27" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,132.40	
			<i>For Up To &gt;10, Add</i>	728.35	
			<i>For &gt;10 To 25, Add</i>	429.04	
			<i>For &gt;25 To 50, Add</i>	310.80	
			<i>For &gt;50 To 100, Add</i>	155.40	
			<i>For &gt;500 To 1,000, Deduct</i>	-58.24	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-88.17	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-144.32	
			<i>For &gt;5,000, Deduct</i>	-239.45	
33 01 30	72-0263	LF	36mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,265.18	
			<i>For Up To &gt;10, Add</i>	813.74	
			<i>For &gt;10 To 25, Add</i>	479.33	
			<i>For &gt;25 To 50, Add</i>	347.23	
			<i>For &gt;50 To 100, Add</i>	173.62	
			<i>For &gt;500 To 1,000, Deduct</i>	-65.07	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-98.51	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-161.24	
			<i>For &gt;5,000, Deduct</i>	-267.53	
33 01 30	72-0264	LF	36mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,530.77	
			<i>For Up To &gt;10, Add</i>	984.56	
			<i>For &gt;10 To 25, Add</i>	579.95	
			<i>For &gt;25 To 50, Add</i>	420.13	
			<i>For &gt;50 To 100, Add</i>	210.06	
			<i>For &gt;500 To 1,000, Deduct</i>	-78.73	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-119.19	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-195.09	
			<i>For &gt;5,000, Deduct</i>	-323.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0265	LF		36mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	1,796.35	
			For Up To >10, Add	1,155.35	
			For >10 To 25, Add	680.55	
			For >25 To 50, Add	493.00	
			For >50 To 100, Add	246.50	
			For >500 To 1,000, Deduct	-92.39	
			For >1,000 To 2,000, Deduct	-139.87	
			For >2,000 To 5,000, Deduct	-228.94	
			For >5,000, Deduct	-379.84	
33 01 30 72-0266	LF		36mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,061.76	
			For Up To >10, Add	1,325.66	
			For >10 To 25, Add	780.74	
			For >25 To 50, Add	565.64	
			For >50 To 100, Add	282.82	
			For >500 To 1,000, Deduct	-106.04	
			For >1,000 To 2,000, Deduct	-160.53	
			For >2,000 To 5,000, Deduct	-262.74	
			For >5,000, Deduct	-435.93	
33 01 30 72-0267	LF		36mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,327.34	
			For Up To >10, Add	1,496.47	
			For >10 To 25, Add	881.36	
			For >25 To 50, Add	638.52	
			For >50 To 100, Add	319.26	
			For >500 To 1,000, Deduct	-119.70	
			For >1,000 To 2,000, Deduct	-181.21	
			For >2,000 To 5,000, Deduct	-296.59	
			For >5,000, Deduct	-492.09	
33 01 30 72-0268	LF		36mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,592.91	
			For Up To >10, Add	1,667.26	
			For >10 To 25, Add	981.95	
			For >25 To 50, Add	711.40	
			For >50 To 100, Add	355.70	
			For >500 To 1,000, Deduct	-133.35	
			For >1,000 To 2,000, Deduct	-201.88	
			For >2,000 To 5,000, Deduct	-330.43	
			For >5,000, Deduct	-548.25	
33 01 30 72-0269	LF		36mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,866.74	
			For Up To >10, Add	1,862.80	
			For >10 To 25, Add	1,103.17	
			For >25 To 50, Add	796.65	
			For >50 To 100, Add	398.32	
			For >500 To 1,000, Deduct	-147.63	
			For >1,000 To 2,000, Deduct	-223.59	
			For >2,000 To 5,000, Deduct	-366.34	
			For >5,000, Deduct	-607.70	
33 01 30 72-0270	LF		36mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,133.13	
			For Up To >10, Add	2,036.04	
			For >10 To 25, Add	1,205.81	
			For >25 To 50, Add	870.75	
			For >50 To 100, Add	435.38	
			For >500 To 1,000, Deduct	-161.35	
			For >1,000 To 2,000, Deduct	-244.37	
			For >2,000 To 5,000, Deduct	-400.39	
			For >5,000, Deduct	-664.18	
33 01 30 72-0271	LF		36mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,394.01	
			For Up To >10, Add	2,192.76	
			For >10 To 25, Add	1,294.68	
			For >25 To 50, Add	936.59	
			For >50 To 100, Add	468.30	
			For >500 To 1,000, Deduct	-174.66	
			For >1,000 To 2,000, Deduct	-264.47	
			For >2,000 To 5,000, Deduct	-433.06	
			For >5,000, Deduct	-718.46	
			For Vinlyester Resin, Add	2,237.00	
			For Epoxy Resin, Add	263.65	
33 01 30 72-0272	LF		36mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,665.74	
			For Up To >10, Add	2,382.00	
			For >10 To 25, Add	1,410.65	
			For >25 To 50, Add	1,018.69	
			For >50 To 100, Add	509.35	
			For >500 To 1,000, Deduct	-188.78	
			For >1,000 To 2,000, Deduct	-285.91	
			For >2,000 To 5,000, Deduct	-468.44	
			For >5,000, Deduct	-777.08	
			For Vinlyester Resin, Add	2,412.26	
			For Epoxy Resin, Add	284.30	
33 01 30 72-0273	LF		36mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,932.12	
			For Up To >10, Add	2,555.21	
			For >10 To 25, Add	1,513.27	
			For >25 To 50, Add	1,092.78	
			For >50 To 100, Add	546.39	
			For >500 To 1,000, Deduct	-202.50	
			For >1,000 To 2,000, Deduct	-306.69	
			For >2,000 To 5,000, Deduct	-502.49	
			For >5,000, Deduct	-833.56	
			For Vinlyester Resin, Add	2,587.52	
			For Epoxy Resin, Add	304.96	



**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0274	LF	36mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,198.52	
		For Up To >10, Add	2,728.46	
		For >10 To 25, Add	1,615.91	
		For >25 To 50, Add	1,166.89	
		For >50 To 100, Add	583.44	
		For >500 To 1,000, Deduct	-216.22	
		For >1,000 To 2,000, Deduct	-327.47	
		For >2,000 To 5,000, Deduct	-536.54	
		For >5,000, Deduct	-890.04	
		For Vinlyester Resin, Add	2,762.79	
		For Epoxy Resin, Add	325.61	
33 01 30 72-0275	LF	36mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,464.74	
		For Up To >10, Add	2,901.20	
		For >10 To 25, Add	1,718.13	
		For >25 To 50, Add	1,240.74	
		For >50 To 100, Add	620.37	
		For >500 To 1,000, Deduct	-229.93	
		For >1,000 To 2,000, Deduct	-348.23	
		For >2,000 To 5,000, Deduct	-570.55	
		For >5,000, Deduct	-946.45	
		For Vinlyester Resin, Add	2,938.05	
		For Epoxy Resin, Add	346.27	
33 01 30 72-0276	LF	36mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	4,731.12	
		For Up To >10, Add	3,074.41	
		For >10 To 25, Add	1,820.75	
		For >25 To 50, Add	1,314.83	
		For >50 To 100, Add	657.41	
		For >500 To 1,000, Deduct	-243.64	
		For >1,000 To 2,000, Deduct	-369.01	
		For >2,000 To 5,000, Deduct	-604.59	
		For >5,000, Deduct	-1,002.93	
		For Vinlyester Resin, Add	3,113.31	
		For Epoxy Resin, Add	366.93	
<b>33 01 30 72-0277</b>		<b>37.5mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)</b>		
33 01 30 72-0278	LF	37.5mm Lining 30" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,313.77	
		For Up To >10, Add	841.69	
		For >10 To 25, Add	494.76	
		For >25 To 50, Add	358.85	
		For >50 To 100, Add	179.43	
		For >500 To 1,000, Deduct	-67.54	
		For >1,000 To 2,000, Deduct	-102.23	
		For >2,000 To 5,000, Deduct	-167.26	
		For >5,000, Deduct	-277.54	
33 01 30 72-0279	LF	37.5mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,590.10	
		For Up To >10, Add	1,018.65	
		For >10 To 25, Add	598.77	
		For >25 To 50, Add	434.29	
		For >50 To 100, Add	217.15	
		For >500 To 1,000, Deduct	-81.74	
		For >1,000 To 2,000, Deduct	-123.73	
		For >2,000 To 5,000, Deduct	-202.44	
		For >5,000, Deduct	-335.91	
33 01 30 72-0280	LF	37.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,866.44	
		For Up To >10, Add	1,195.65	
		For >10 To 25, Add	702.79	
		For >25 To 50, Add	509.75	
		For >50 To 100, Add	254.87	
		For >500 To 1,000, Deduct	-95.95	
		For >1,000 To 2,000, Deduct	-145.23	
		For >2,000 To 5,000, Deduct	-237.62	
		For >5,000, Deduct	-394.28	
33 01 30 72-0281	LF	37.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,142.77	
		For Up To >10, Add	1,372.64	
		For >10 To 25, Add	806.82	
		For >25 To 50, Add	585.20	
		For >50 To 100, Add	292.60	
		For >500 To 1,000, Deduct	-110.15	
		For >1,000 To 2,000, Deduct	-166.73	
		For >2,000 To 5,000, Deduct	-272.80	
		For >5,000, Deduct	-452.65	
33 01 30 72-0282	LF	37.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,419.11	
		For Up To >10, Add	1,549.63	
		For >10 To 25, Add	910.85	
		For >25 To 50, Add	660.66	
		For >50 To 100, Add	330.33	
		For >500 To 1,000, Deduct	-124.36	
		For >1,000 To 2,000, Deduct	-188.23	
		For >2,000 To 5,000, Deduct	-307.98	
		For >5,000, Deduct	-511.03	
33 01 30 72-0283	LF	37.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,695.45	
		For Up To >10, Add	1,726.63	
		For >10 To 25, Add	1,014.87	
		For >25 To 50, Add	736.12	
		For >50 To 100, Add	368.06	
		For >500 To 1,000, Deduct	-138.56	
		For >1,000 To 2,000, Deduct	-209.74	
		For >2,000 To 5,000, Deduct	-343.16	
		For >5,000, Deduct	-569.40	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 01 30	72-0284	LF	37.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,980.18	
				For Up To >10, Add	1,928.82	
				For >10 To 25, Add	1,139.90	
				For >25 To 50, Add	824.17	
				For >50 To 100, Add	412.09	
				For >500 To 1,000, Deduct	-153.40	
				For >1,000 To 2,000, Deduct	-232.29	
				For >2,000 To 5,000, Deduct	-380.44	
				For >5,000, Deduct	-631.13	
	33 01 30	72-0285	LF	37.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,257.32	
				For Up To >10, Add	2,108.24	
				For >10 To 25, Add	1,245.95	
				For >25 To 50, Add	900.84	
				For >50 To 100, Add	450.42	
				For >500 To 1,000, Deduct	-167.66	
				For >1,000 To 2,000, Deduct	-253.89	
				For >2,000 To 5,000, Deduct	-415.82	
				For >5,000, Deduct	-689.83	
	33 01 30	72-0286	LF	37.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,531.72	
				For Up To >10, Add	2,279.41	
				For >10 To 25, Add	1,345.13	
				For >25 To 50, Add	973.39	
				For >50 To 100, Add	486.70	
				For >500 To 1,000, Deduct	-181.72	
				For >1,000 To 2,000, Deduct	-275.15	
				For >2,000 To 5,000, Deduct	-450.51	
				For >5,000, Deduct	-747.43	
				For Vinlyester Resin, Add	2,328.41	
				For Epoxy Resin, Add	274.42	
	33 01 30	72-0287	LF	37.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,811.61	
				For Up To >10, Add	2,467.06	
				For >10 To 25, Add	1,458.03	
				For >25 To 50, Add	1,054.17	
				For >50 To 100, Add	527.09	
				For >500 To 1,000, Deduct	-196.19	
				For >1,000 To 2,000, Deduct	-297.10	
				For >2,000 To 5,000, Deduct	-486.58	
				For >5,000, Deduct	-807.22	
				For Vinlyester Resin, Add	2,510.98	
				For Epoxy Resin, Add	295.94	
	33 01 30	72-0288	LF	37.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,088.74	
				For Up To >10, Add	2,646.45	
				For >10 To 25, Add	1,564.05	
				For >25 To 50, Add	1,130.83	
				For >50 To 100, Add	565.41	
				For >500 To 1,000, Deduct	-210.46	
				For >1,000 To 2,000, Deduct	-318.70	
				For >2,000 To 5,000, Deduct	-521.96	
				For >5,000, Deduct	-865.91	
				For Vinlyester Resin, Add	2,693.54	
				For Epoxy Resin, Add	317.45	
	33 01 30	72-0289	LF	37.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,365.74	
				For Up To >10, Add	2,825.42	
				For >10 To 25, Add	1,669.73	
				For >25 To 50, Add	1,207.27	
				For >50 To 100, Add	603.64	
				For >500 To 1,000, Deduct	-224.71	
				For >1,000 To 2,000, Deduct	-340.28	
				For >2,000 To 5,000, Deduct	-557.30	
				For >5,000, Deduct	-924.55	
				For Vinlyester Resin, Add	2,876.10	
				For Epoxy Resin, Add	338.97	
	33 01 30	72-0290	LF	37.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,642.88	
				For Up To >10, Add	3,004.82	
				For >10 To 25, Add	1,775.76	
				For >25 To 50, Add	1,283.93	
				For >50 To 100, Add	641.97	
				For >500 To 1,000, Deduct	-238.98	
				For >1,000 To 2,000, Deduct	-361.88	
				For >2,000 To 5,000, Deduct	-592.68	
				For >5,000, Deduct	-983.25	
				For Vinlyester Resin, Add	3,058.67	
				For Epoxy Resin, Add	360.49	
	33 01 30	72-0291	LF	37.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,920.02	
				For Up To >10, Add	3,184.24	
				For >10 To 25, Add	1,881.81	
				For >25 To 50, Add	1,360.60	
				For >50 To 100, Add	680.30	
				For >500 To 1,000, Deduct	-253.24	
				For >1,000 To 2,000, Deduct	-383.49	
				For >2,000 To 5,000, Deduct	-628.06	
				For >5,000, Deduct	-1,041.94	
				For Vinlyester Resin, Add	3,241.23	
				For Epoxy Resin, Add	382.00	

33 01 30 72-0292 39mm Thick Lining Cured In-Place Pipe (33 01 30 72-0015)

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 72-0293	LF	39mm Lining 36" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,649.25	
		<i>For Up To &gt;10, Add</i>	1,052.70	
		<i>For &gt;10 To 25, Add</i>	617.58	
		<i>For &gt;25 To 50, Add</i>	448.45	
		<i>For &gt;50 To 100, Add</i>	224.22	
		<i>For &gt;500 To 1,000, Deduct</i>	-84.74	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-128.26	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-209.77	
		<i>For &gt;5,000, Deduct</i>	-348.10	
33 01 30 72-0294	LF	39mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	1,936.34	
		<i>For Up To &gt;10, Add</i>	1,235.87	
		<i>For &gt;10 To 25, Add</i>	725.02	
		<i>For &gt;25 To 50, Add</i>	526.47	
		<i>For &gt;50 To 100, Add</i>	263.24	
		<i>For &gt;500 To 1,000, Deduct</i>	-99.49	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-150.58	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-246.28	
		<i>For &gt;5,000, Deduct</i>	-408.68	
33 01 30 72-0295	LF	39mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,223.42	
		<i>For Up To &gt;10, Add</i>	1,419.01	
		<i>For &gt;10 To 25, Add</i>	832.43	
		<i>For &gt;25 To 50, Add</i>	604.48	
		<i>For &gt;50 To 100, Add</i>	302.24	
		<i>For &gt;500 To 1,000, Deduct</i>	-114.24	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-172.90	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-282.79	
		<i>For &gt;5,000, Deduct</i>	-469.27	
33 01 30 72-0296	LF	39mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,510.51	
		<i>For Up To &gt;10, Add</i>	1,602.21	
		<i>For &gt;10 To 25, Add</i>	939.88	
		<i>For &gt;25 To 50, Add</i>	682.52	
		<i>For &gt;50 To 100, Add</i>	341.26	
		<i>For &gt;500 To 1,000, Deduct</i>	-129.00	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-195.23	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-319.30	
		<i>For &gt;5,000, Deduct</i>	-529.86	
33 01 30 72-0297	LF	39mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	2,797.76	
		<i>For Up To &gt;10, Add</i>	1,785.86	
		<i>For &gt;10 To 25, Add</i>	1,047.72	
		<i>For &gt;25 To 50, Add</i>	760.78	
		<i>For &gt;50 To 100, Add</i>	380.39	
		<i>For &gt;500 To 1,000, Deduct</i>	-143.76	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-217.57	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-355.85	
		<i>For &gt;5,000, Deduct</i>	-590.51	
33 01 30 72-0298	LF	39mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,093.26	
		<i>For Up To &gt;10, Add</i>	1,994.26	
		<i>For &gt;10 To 25, Add</i>	1,176.18	
		<i>For &gt;25 To 50, Add</i>	851.42	
		<i>For &gt;50 To 100, Add</i>	425.71	
		<i>For &gt;500 To 1,000, Deduct</i>	-159.14	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-240.95	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-394.47	
		<i>For &gt;5,000, Deduct</i>	-654.46	
33 01 30 72-0299	LF	39mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,381.15	
		<i>For Up To &gt;10, Add</i>	2,179.85	
		<i>For &gt;10 To 25, Add</i>	1,285.64	
		<i>For &gt;25 To 50, Add</i>	930.65	
		<i>For &gt;50 To 100, Add</i>	465.33	
		<i>For &gt;500 To 1,000, Deduct</i>	-173.95	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-263.37	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-431.18	
		<i>For &gt;5,000, Deduct</i>	-715.37	
33 01 30 72-0300	LF	39mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,669.06	
		<i>For Up To &gt;10, Add</i>	2,365.48	
		<i>For &gt;10 To 25, Add</i>	1,395.12	
		<i>For &gt;25 To 50, Add</i>	1,009.91	
		<i>For &gt;50 To 100, Add</i>	504.95	
		<i>For &gt;500 To 1,000, Deduct</i>	-188.76	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-285.80	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-467.90	
		<i>For &gt;5,000, Deduct</i>	-776.29	
		<i>For Vinyl Ester Resin, Add</i>	2,419.68	
		<i>For Epoxy Resin, Add</i>	285.18	
33 01 30 72-0301	LF	39mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP)	3,957.11	
		<i>For Up To &gt;10, Add</i>	2,551.53	
		<i>For &gt;10 To 25, Add</i>	1,504.96	
		<i>For &gt;25 To 50, Add</i>	1,089.37	
		<i>For &gt;50 To 100, Add</i>	544.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-203.59	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-308.24	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-504.65	
		<i>For &gt;5,000, Deduct</i>	-837.26	
		<i>For Vinyl Ester Resin, Add</i>	2,609.54	
		<i>For Epoxy Resin, Add</i>	307.55	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 72-0302	LF 39mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,245.02	
	For Up To >10, Add	2,737.16	
	For >10 To 25, Add	1,614.44	
	For >25 To 50, Add	1,168.62	
	For >50 To 100, Add	584.31	
	For >500 To 1,000, Deduct	-218.40	
	For >1,000 To 2,000, Deduct	-330.67	
	For >2,000 To 5,000, Deduct	-541.36	
	For >5,000, Deduct	-898.18	
	For Vinlyester Resin, Add	2,799.41	
	For Epoxy Resin, Add	329.93	
33 01 30 72-0303	LF 39mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,532.91	
	For Up To >10, Add	2,922.73	
	For >10 To 25, Add	1,723.88	
	For >25 To 50, Add	1,247.85	
	For >50 To 100, Add	623.92	
	For >500 To 1,000, Deduct	-233.21	
	For >1,000 To 2,000, Deduct	-353.09	
	For >2,000 To 5,000, Deduct	-578.08	
	For >5,000, Deduct	-959.08	
	For Vinlyester Resin, Add	2,989.28	
	For Epoxy Resin, Add	352.31	
33 01 30 72-0304	LF 39mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,820.81	
	For Up To >10, Add	3,108.33	
	For >10 To 25, Add	1,833.34	
	For >25 To 50, Add	1,327.08	
	For >50 To 100, Add	663.54	
	For >500 To 1,000, Deduct	-248.02	
	For >1,000 To 2,000, Deduct	-375.52	
	For >2,000 To 5,000, Deduct	-614.79	
	For >5,000, Deduct	-1,020.00	
	For Vinlyester Resin, Add	3,179.15	
	For Epoxy Resin, Add	374.69	
33 01 30 72-0305	LF 39mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,108.71	
	For Up To >10, Add	3,293.93	
	For >10 To 25, Add	1,942.80	
	For >25 To 50, Add	1,406.32	
	For >50 To 100, Add	703.16	
	For >500 To 1,000, Deduct	-262.83	
	For >1,000 To 2,000, Deduct	-397.94	
	For >2,000 To 5,000, Deduct	-651.50	
	For >5,000, Deduct	-1,080.91	
	For Vinlyester Resin, Add	3,369.02	
	For Epoxy Resin, Add	397.06	
33 01 30 72-0306	LF 39mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,396.61	
	For Up To >10, Add	3,479.56	
	For >10 To 25, Add	2,052.28	
	For >25 To 50, Add	1,485.57	
	For >50 To 100, Add	742.79	
	For >500 To 1,000, Deduct	-277.64	
	For >1,000 To 2,000, Deduct	-420.37	
	For >2,000 To 5,000, Deduct	-688.22	
	For >5,000, Deduct	-1,141.82	
	For Vinlyester Resin, Add	3,558.88	
	For Epoxy Resin, Add	419.44	
33 01 30 72-0307	LF 39mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,684.50	
	For Up To >10, Add	3,665.13	
	For >10 To 25, Add	2,161.71	
	For >25 To 50, Add	1,564.80	
	For >50 To 100, Add	782.40	
	For >500 To 1,000, Deduct	-292.45	
	For >1,000 To 2,000, Deduct	-442.80	
	For >2,000 To 5,000, Deduct	-724.93	
	For >5,000, Deduct	-1,202.73	
	For Vinlyester Resin, Add	3,748.75	
	For Epoxy Resin, Add	441.82	
<b>33 01 30 72-0308</b>	<b>40.5mm Thick Lining Cured In-Place Pipe</b> <small>(33 01 30 72-0015)</small>		
33 01 30 72-0309	LF 40.5mm Lining 42" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,005.86	
	For Up To >10, Add	1,275.48	
	For >10 To 25, Add	746.76	
	For >25 To 50, Add	542.90	
	For >50 To 100, Add	271.45	
	For >500 To 1,000, Deduct	-103.02	
	For >1,000 To 2,000, Deduct	-155.89	
	For >2,000 To 5,000, Deduct	-254.88	
	For >5,000, Deduct	-422.98	
33 01 30 72-0310	LF 40.5mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,303.70	
	For Up To >10, Add	1,464.83	
	For >10 To 25, Add	857.60	
	For >25 To 50, Add	623.49	
	For >50 To 100, Add	311.74	
	For >500 To 1,000, Deduct	-118.31	
	For >1,000 To 2,000, Deduct	-179.04	
	For >2,000 To 5,000, Deduct	-292.72	
	For >5,000, Deduct	-485.78	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0311	LF		40.5mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,601.55	
			For Up To >10, Add	1,654.20	
			For >10 To 25, Add	968.47	
			For >25 To 50, Add	704.09	
			For >50 To 100, Add	352.05	
			For >500 To 1,000, Deduct	-133.61	
			For >1,000 To 2,000, Deduct	-202.18	
			For >2,000 To 5,000, Deduct	-330.56	
			For >5,000, Deduct	-548.58	
33 01 30 72-0312	LF		40.5mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,899.39	
			For Up To >10, Add	1,843.55	
			For >10 To 25, Add	1,079.31	
			For >25 To 50, Add	784.68	
			For >50 To 100, Add	392.34	
			For >500 To 1,000, Deduct	-148.91	
			For >1,000 To 2,000, Deduct	-225.33	
			For >2,000 To 5,000, Deduct	-368.41	
			For >5,000, Deduct	-611.39	
33 01 30 72-0313	LF		40.5mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,205.97	
			For Up To >10, Add	2,059.11	
			For >10 To 25, Add	1,212.01	
			For >25 To 50, Add	878.38	
			For >50 To 100, Add	439.19	
			For >500 To 1,000, Deduct	-164.86	
			For >1,000 To 2,000, Deduct	-249.57	
			For >2,000 To 5,000, Deduct	-408.43	
			For >5,000, Deduct	-677.68	
33 01 30 72-0314	LF		40.5mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,504.62	
			For Up To >10, Add	2,250.89	
			For >10 To 25, Add	1,324.87	
			For >25 To 50, Add	960.18	
			For >50 To 100, Add	480.09	
			For >500 To 1,000, Deduct	-180.22	
			For >1,000 To 2,000, Deduct	-272.82	
			For >2,000 To 5,000, Deduct	-446.48	
			For >5,000, Deduct	-740.81	
33 01 30 72-0315	LF		40.5mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,803.27	
			For Up To >10, Add	2,442.66	
			For >10 To 25, Add	1,437.74	
			For >25 To 50, Add	1,041.99	
			For >50 To 100, Add	520.99	
			For >500 To 1,000, Deduct	-195.57	
			For >1,000 To 2,000, Deduct	-296.07	
			For >2,000 To 5,000, Deduct	-484.53	
			For >5,000, Deduct	-803.94	
			For Vinlyester Resin, Add	2,510.80	
			For Epoxy Resin, Add	295.92	
33 01 30 72-0316	LF		40.5mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,101.92	
			For Up To >10, Add	2,634.44	
			For >10 To 25, Add	1,550.61	
			For >25 To 50, Add	1,123.79	
			For >50 To 100, Add	561.90	
			For >500 To 1,000, Deduct	-210.93	
			For >1,000 To 2,000, Deduct	-319.31	
			For >2,000 To 5,000, Deduct	-522.57	
			For >5,000, Deduct	-867.06	
			For Vinlyester Resin, Add	2,707.97	
			For Epoxy Resin, Add	319.15	
33 01 30 72-0317	LF		40.5mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,400.58	
			For Up To >10, Add	2,826.24	
			For >10 To 25, Add	1,663.50	
			For >25 To 50, Add	1,205.61	
			For >50 To 100, Add	602.81	
			For >500 To 1,000, Deduct	-226.29	
			For >1,000 To 2,000, Deduct	-342.56	
			For >2,000 To 5,000, Deduct	-560.62	
			For >5,000, Deduct	-930.19	
			For Vinlyester Resin, Add	2,905.14	
			For Epoxy Resin, Add	342.39	
33 01 30 72-0318	LF		40.5mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,699.24	
			For Up To >10, Add	3,018.05	
			For >10 To 25, Add	1,776.39	
			For >25 To 50, Add	1,287.43	
			For >50 To 100, Add	643.71	
			For >500 To 1,000, Deduct	-241.65	
			For >1,000 To 2,000, Deduct	-365.81	
			For >2,000 To 5,000, Deduct	-598.67	
			For >5,000, Deduct	-993.32	
			For Vinlyester Resin, Add	3,102.31	
			For Epoxy Resin, Add	365.63	
33 01 30 72-0319	LF		40.5mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,997.89	
			For Up To >10, Add	3,209.82	
			For >10 To 25, Add	1,889.26	
			For >25 To 50, Add	1,369.23	
			For >50 To 100, Add	684.62	
			For >500 To 1,000, Deduct	-257.00	
			For >1,000 To 2,000, Deduct	-389.06	
			For >2,000 To 5,000, Deduct	-636.71	
			For >5,000, Deduct	-1,056.45	
			For Vinlyester Resin, Add	3,299.48	
			For Epoxy Resin, Add	388.87	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 72-0320	LF		40.5mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,296.55	
			For Up To >10, Add	3,401.63	
			For >10 To 25, Add	2,002.15	
			For >25 To 50, Add	1,451.05	
			For >50 To 100, Add	725.53	
			For >500 To 1,000, Deduct	-272.36	
			For >1,000 To 2,000, Deduct	-412.31	
			For >2,000 To 5,000, Deduct	-674.76	
			For >5,000, Deduct	-1,119.58	
			For Vinlyester Resin, Add	3,496.65	
			For Epoxy Resin, Add	412.10	
33 01 30 72-0321	LF		40.5mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,595.20	
			For Up To >10, Add	3,593.40	
			For >10 To 25, Add	2,115.02	
			For >25 To 50, Add	1,532.86	
			For >50 To 100, Add	766.43	
			For >500 To 1,000, Deduct	-287.72	
			For >1,000 To 2,000, Deduct	-435.56	
			For >2,000 To 5,000, Deduct	-712.81	
			For >5,000, Deduct	-1,182.70	
			For Vinlyester Resin, Add	3,693.82	
			For Epoxy Resin, Add	435.34	
33 01 30 72-0322	LF		40.5mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,893.86	
			For Up To >10, Add	3,785.18	
			For >10 To 25, Add	2,227.89	
			For >25 To 50, Add	1,614.66	
			For >50 To 100, Add	807.33	
			For >500 To 1,000, Deduct	-303.08	
			For >1,000 To 2,000, Deduct	-458.80	
			For >2,000 To 5,000, Deduct	-750.85	
			For >5,000, Deduct	-1,245.83	
			For Vinlyester Resin, Add	3,890.99	
			For Epoxy Resin, Add	458.58	
<b>33 01 30 72-0323</b>			<b>42mm Thick Lining Cured In-Place Pipe <small>(33 01 30 72-0015)</small></b> .....		
33 01 30 72-0324	LF		42mm Lining 48" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,383.62	
			For Up To >10, Add	1,510.06	
			For >10 To 25, Add	882.33	
			For >25 To 50, Add	642.21	
			For >50 To 100, Add	321.11	
			For >500 To 1,000, Deduct	-122.36	
			For >1,000 To 2,000, Deduct	-185.14	
			For >2,000 To 5,000, Deduct	-302.58	
			For >5,000, Deduct	-502.18	
33 01 30 72-0325	LF		42mm Lining 54" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	2,692.22	
			For Up To >10, Add	1,705.59	
			For >10 To 25, Add	996.58	
			For >25 To 50, Add	725.37	
			For >50 To 100, Add	362.69	
			For >500 To 1,000, Deduct	-138.21	
			For >1,000 To 2,000, Deduct	-209.11	
			For >2,000 To 5,000, Deduct	-341.76	
			For >5,000, Deduct	-567.20	
33 01 30 72-0326	LF		42mm Lining 60" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,000.82	
			For Up To >10, Add	1,901.14	
			For >10 To 25, Add	1,110.86	
			For >25 To 50, Add	808.54	
			For >50 To 100, Add	404.27	
			For >500 To 1,000, Deduct	-154.05	
			For >1,000 To 2,000, Deduct	-233.08	
			For >2,000 To 5,000, Deduct	-380.94	
			For >5,000, Deduct	-632.22	
33 01 30 72-0327	LF		42mm Lining 66" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,318.31	
			For Up To >10, Add	2,123.36	
			For >10 To 25, Add	1,247.36	
			For >25 To 50, Add	905.05	
			For >50 To 100, Add	452.52	
			For >500 To 1,000, Deduct	-170.56	
			For >1,000 To 2,000, Deduct	-258.16	
			For >2,000 To 5,000, Deduct	-422.34	
			For >5,000, Deduct	-700.80	
33 01 30 72-0328	LF		42mm Lining 72" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,627.72	
			For Up To >10, Add	2,321.34	
			For >10 To 25, Add	1,363.66	
			For >25 To 50, Add	989.43	
			For >50 To 100, Add	494.72	
			For >500 To 1,000, Deduct	-186.46	
			For >1,000 To 2,000, Deduct	-282.23	
			For >2,000 To 5,000, Deduct	-461.72	
			For >5,000, Deduct	-766.14	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30	72-0329	LF	42mm Lining 78" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	3,937.13	
			For Up To >10, Add	2,519.32	
			For >10 To 25, Add	1,479.96	
			For >25 To 50, Add	1,073.82	
			For >50 To 100, Add	536.91	
			For >500 To 1,000, Deduct	-202.36	
			For >1,000 To 2,000, Deduct	-306.30	
			For >2,000 To 5,000, Deduct	-501.09	
			For >5,000, Deduct	-831.49	
			For Vinlyester Resin, Add	2,601.78	
			For Epoxy Resin, Add	306.64	
33 01 30	72-0330	LF	42mm Lining 84" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,246.55	
			For Up To >10, Add	2,717.30	
			For >10 To 25, Add	1,596.26	
			For >25 To 50, Add	1,158.20	
			For >50 To 100, Add	579.10	
			For >500 To 1,000, Deduct	-218.27	
			For >1,000 To 2,000, Deduct	-330.37	
			For >2,000 To 5,000, Deduct	-540.48	
			For >5,000, Deduct	-896.83	
			For Vinlyester Resin, Add	2,806.26	
			For Epoxy Resin, Add	330.74	
33 01 30	72-0331	LF	42mm Lining 90" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,555.95	
			For Up To >10, Add	2,915.25	
			For >10 To 25, Add	1,712.54	
			For >25 To 50, Add	1,242.57	
			For >50 To 100, Add	621.29	
			For >500 To 1,000, Deduct	-234.17	
			For >1,000 To 2,000, Deduct	-354.44	
			For >2,000 To 5,000, Deduct	-579.85	
			For >5,000, Deduct	-962.17	
			For Vinlyester Resin, Add	3,010.73	
			For Epoxy Resin, Add	354.84	
33 01 30	72-0332	LF	42mm Lining 96" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	4,865.35	
			For Up To >10, Add	3,113.20	
			For >10 To 25, Add	1,828.81	
			For >25 To 50, Add	1,326.94	
			For >50 To 100, Add	663.47	
			For >500 To 1,000, Deduct	-250.07	
			For >1,000 To 2,000, Deduct	-378.51	
			For >2,000 To 5,000, Deduct	-619.23	
			For >5,000, Deduct	-1,027.51	
			For Vinlyester Resin, Add	3,215.20	
			For Epoxy Resin, Add	378.93	
33 01 30	72-0333	LF	42mm Lining 102" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,174.76	
			For Up To >10, Add	3,311.18	
			For >10 To 25, Add	1,945.11	
			For >25 To 50, Add	1,411.33	
			For >50 To 100, Add	705.66	
			For >500 To 1,000, Deduct	-265.98	
			For >1,000 To 2,000, Deduct	-402.58	
			For >2,000 To 5,000, Deduct	-658.61	
			For >5,000, Deduct	-1,092.86	
			For Vinlyester Resin, Add	3,419.67	
			For Epoxy Resin, Add	403.03	
33 01 30	72-0334	LF	42mm Lining 108" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,484.18	
			For Up To >10, Add	3,509.17	
			For >10 To 25, Add	2,061.41	
			For >25 To 50, Add	1,495.72	
			For >50 To 100, Add	747.86	
			For >500 To 1,000, Deduct	-281.88	
			For >1,000 To 2,000, Deduct	-426.66	
			For >2,000 To 5,000, Deduct	-697.99	
			For >5,000, Deduct	-1,158.20	
			For Vinlyester Resin, Add	3,624.15	
			For Epoxy Resin, Add	427.13	
33 01 30	72-0335	LF	42mm Lining 114" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	5,793.59	
			For Up To >10, Add	3,707.15	
			For >10 To 25, Add	2,177.71	
			For >25 To 50, Add	1,580.10	
			For >50 To 100, Add	790.05	
			For >500 To 1,000, Deduct	-297.78	
			For >1,000 To 2,000, Deduct	-450.73	
			For >2,000 To 5,000, Deduct	-737.37	
			For >5,000, Deduct	-1,223.55	
			For Vinlyester Resin, Add	3,828.62	
			For Epoxy Resin, Add	451.23	
33 01 30	72-0336	LF	42mm Lining 120" Pipe With Resin Impregnated Cured In-Place Pipe (CIPP).....	6,103.00	
			For Up To >10, Add	3,905.13	
			For >10 To 25, Add	2,294.01	
			For >25 To 50, Add	1,664.49	
			For >50 To 100, Add	832.24	
			For >500 To 1,000, Deduct	-313.69	
			For >1,000 To 2,000, Deduct	-474.80	
			For >2,000 To 5,000, Deduct	-776.75	
			For >5,000, Deduct	-1,288.89	
			For Vinlyester Resin, Add	4,033.09	
			For Epoxy Resin, Add	475.33	

**33 01 30 74 Cured-in-Place Lateral Lining** (33 01 30)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 74-0001			<b>Laterals; Cutting, Grouting And Reinstatement</b> (33 01 30 74)		
33 01 30 74-0002			<b>Lateral Reinstatement/Reconnection</b> (33 01 30 74-0001)		
33 01 30 74-0003	EA		Cut Liner For Laterals, Up To 4" (Robotic).....	642.43	
33 01 30 74-0004	EA		Cut Liner For Laterals, 6" (Robotic).....	694.52	
33 01 30 74-0005	EA		Cut Liner For Laterals, 8" (Robotic).....	737.93	
33 01 30 74-0006	EA		Cut Liner For Laterals, 10" (Robotic).....	781.33	
33 01 30 74-0007	EA		Cut Liner For Laterals, 12" (Robotic).....	824.74	
33 01 30 74-0008			<b>Grout Lateral Service</b> (33 01 30 74-0001)		
33 01 30 74-0009			<b>Grout Lateral Service - Bladder</b> (33 01 30 74-0008)		
33 01 30 74-0010	EA		Grout Up To 4" Lateral Service - Bladder.....	685.21	
33 01 30 74-0011	EA		Grout 6" Lateral Service - Bladder.....	784.69	
33 01 30 74-0012	EA		Grout 8" Lateral Service - Bladder.....	884.16	
33 01 30 74-0013			<b>Grout Lateral Service - Robotic Trowel Application</b> (33 01 30 74-0008)		
33 01 30 74-0014	EA		Grout 3" To 6" Lateral Service - Robotic Trowel Application.....	744.17	
33 01 30 74-0015	EA		Grout 8" To 12" Lateral Service - Robotic Trowel Application.....	803.12	
33 01 30 74-0016			<b>Lateral T-Liner</b> (33 01 30 74-0001) Note: As manufactured by LMK.		
33 01 30 74-0017	EA		Up To 4" Lateral T-Liner.....	889.64	
33 01 30 74-0018	EA		6" Lateral T-Liner.....	993.68	
33 01 30 74-0019	EA		8" Lateral T-Liner.....	1,152.07	
33 01 30 74-0020			<b>Lining Lateral Pipe</b> (33 01 30 74-0001)		
33 01 30 74-0021			<b>Lining Lateral Pipe</b> (33 01 30 74-0020)		
33 01 30 74-0022	LF		6mm Lining 3" Lateral Pipe With Cured In-Place Pipe (CIPP).....	44.69	
			For 7.5mm, Add	4.56	
			For 9 mm, Add	9.02	
33 01 30 74-0023	LF		6mm Lining 4" Lateral Pipe With Cured In-Place Pipe (CIPP).....	52.87	
			For 7.5mm, Add	6.21	
			For 9 mm, Add	12.28	
33 01 30 74-0024	LF		6mm Lining 6" Lateral Pipe With Cured In-Place Pipe (CIPP).....	67.99	
			For 7.5mm, Add	9.51	
			For 9 mm, Add	18.81	
33 01 30 79			<b>Fold-and-Form Pipe Lining</b> (33 01 30)		
33 01 30 79-0001			<b>Form and Fold Relining Underground Pipelines</b> (33 01 30 79) Note: Excludes CCTV inspection and sewer cleaning. See CSI section 33 01 30 11-0000 for CCTV inspection, 33 01 30 41-0002 for sewer cleaning.		
33 01 30 79-0002			<b>Fold-And-Form Relining Underground Pipelines Set-Up And Reinsertion</b> (33 01 30 79-0001)		
33 01 30 79-0003	EA		Initial Set Up And Final Equipment Removal For Fold-And-Form Relining Underground Pipelines.....	6,469.82	
33 01 30 79-0004	EA		Move And Reset Up At Different Access/Location For Fold-And-Form Relining Underground Pipelines.....	2,587.93	
33 01 30 79-0005			<b>Form And Fold Polyethylene (PE) Pipeliner</b> (33 01 30 79-0001)		
33 01 30 79-0006	LF		4" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5.....	62.09	
			For DR 26 Pipe Liner, Add	12.06	
			For Up To 75, Add	30.45	
			For >75 To 150, Add	15.22	
			For >500 To 1,000, Deduct	-1.04	
			For >1,000 To 2,000, Deduct	-2.08	
			For >2,000, Deduct	-4.16	
33 01 30 79-0007	LF		6" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5.....	80.44	
			For DR 26 Pipe Liner, Add	16.38	
			For DR 35 Pipe Liner, Deduct	-8.19	
			For Up To 75, Add	35.50	
			For >75 To 150, Add	17.75	
			For >500 To 1,000, Deduct	-1.12	
			For >1,000 To 2,000, Deduct	-2.24	
			For >2,000, Deduct	-4.48	
33 01 30 79-0008	LF		8" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5.....	82.89	
			For DR 26 Pipe Liner, Add	16.68	
			For DR 35 Pipe Liner, Deduct	-8.34	
			For Up To 75, Add	37.60	
			For >75 To 150, Add	18.80	
			For >500 To 1,000, Deduct	-1.21	
			For >1,000 To 2,000, Deduct	-2.43	
			For >2,000, Deduct	-4.85	
33 01 30 79-0009	LF		10" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5.....	117.74	
			For DR 26 Pipe Liner, Add	25.02	
			For DR 35 Pipe Liner, Deduct	-12.51	
			For DR 41 Pipe Liner, Deduct	-25.02	
			For Up To 75, Add	46.49	
			For >75 To 150, Add	23.25	
			For >500 To 1,000, Deduct	-1.32	
			For >1,000 To 2,000, Deduct	-2.65	
			For >2,000, Deduct	-5.30	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 79-0010	LF	12" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	165.90	
		<i>For DR 26 Pipe Liner, Add</i>	36.62	
		<i>For DR 35 Pipe Liner, Deduct</i>	-18.31	
		<i>For DR 41 Pipe Liner, Deduct</i>	-36.62	
		<i>For Up To 75, Add</i>	58.41	
		<i>For &gt;75 To 150, Add</i>	29.21	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.46	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.91	
		<i>For &gt;2,000, Deduct</i>	-5.82	
33 01 30 79-0011	LF	15" Diameter Form and Fold Polyethylene Pipeliner, DR 32.5 .....	228.30	
		<i>For DR 35 Pipe Liner, Deduct</i>	-25.78	
		<i>For DR 41 Pipe Liner, Deduct</i>	-51.56	
		<i>For Up To 75, Add</i>	74.34	
		<i>For &gt;75 To 150, Add</i>	37.17	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.65	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-3.31	
		<i>For &gt;2,000, Deduct</i>	-6.62	
33 01 30 79-0012	LF	18" Diameter Form and Fold Polyethylene Pipeliner, DR 35 .....	323.93	
		<i>For DR 41 Pipe Liner, Deduct</i>	-29.91	
		<i>For DR 50 Pipe Liner, Deduct</i>	-59.81	
		<i>For Up To 75, Add</i>	97.13	
		<i>For &gt;75 To 150, Add</i>	48.57	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.87	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-3.73	
		<i>For &gt;2,000, Deduct</i>	-7.46	
33 01 30 79-0013	LF	21" Diameter Form and Fold Polyethylene Pipeliner, DR 47 .....	366.65	
		<i>For DR 50 Pipe Liner, Deduct</i>	-50.95	
		<i>For DR 55 Pipe Liner, Deduct</i>	-84.92	
		<i>For Up To 75, Add</i>	108.38	
		<i>For &gt;75 To 150, Add</i>	54.19	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.02	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.04	
		<i>For &gt;2,000, Deduct</i>	-8.09	
33 01 30 79-0014	LF	24" Diameter Form and Fold Polyethylene Pipeliner, DR 55 .....	447.95	
		<i>For DR 60 Pipe Liner, Deduct</i>	-62.78	
		<i>For Up To 75, Add</i>	127.82	
		<i>For &gt;75 To 150, Add</i>	63.91	
		<i>For &gt;500 To 1,000, Deduct</i>	-2.21	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-4.41	
		<i>For &gt;2,000, Deduct</i>	-8.82	

**33 01 30 79-0015 Form And Fold Polyvinyl Chloride (PVC) Pipeliner** (33 01 30 79-0001)

33 01 30 79-0016	LF	4" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	66.64	
		<i>For Up To 75, Add</i>	31.36	
		<i>For &gt;75 To 150, Add</i>	15.68	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.04	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.08	
		<i>For &gt;2,000, Deduct</i>	-4.16	
		<i>For DR 26 Pipe Liner, Add</i>	13.19	
33 01 30 79-0017	LF	6" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	80.44	
		<i>For Up To 75, Add</i>	35.50	
		<i>For &gt;75 To 150, Add</i>	17.75	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.12	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.24	
		<i>For &gt;2,000, Deduct</i>	-4.48	
		<i>For DR 26 Pipe Liner, Add</i>	16.38	
		<i>For DR 35 Pipe Liner, Deduct</i>	-8.19	
33 01 30 79-0018	LF	8" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	88.96	
		<i>For Up To 75, Add</i>	38.81	
		<i>For &gt;75 To 150, Add</i>	19.41	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.21	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.43	
		<i>For &gt;2,000, Deduct</i>	-4.85	
		<i>For DR 26 Pipe Liner, Add</i>	18.20	
		<i>For DR 35 Pipe Liner, Deduct</i>	-9.10	
33 01 30 79-0019	LF	10" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	126.84	
		<i>For Up To 75, Add</i>	48.31	
		<i>For &gt;75 To 150, Add</i>	24.16	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.32	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.65	
		<i>For &gt;2,000, Deduct</i>	-5.30	
		<i>For DR 26 Pipe Liner, Add</i>	27.30	
		<i>For DR 35 Pipe Liner, Deduct</i>	-13.65	
		<i>For DR 41 Pipe Liner, Deduct</i>	-27.30	
33 01 30 79-0020	LF	12" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	179.55	
		<i>For Up To 75, Add</i>	61.14	
		<i>For &gt;75 To 150, Add</i>	30.57	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.46	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.91	
		<i>For &gt;2,000, Deduct</i>	-5.82	
		<i>For DR 26 Pipe Liner, Add</i>	40.04	
		<i>For DR 35 Pipe Liner, Deduct</i>	-20.02	
		<i>For DR 41 Pipe Liner, Deduct</i>	-40.04	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 79-0021	LF		15" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 32.5.....	247.71	
			<i>For Up To 75, Add</i>	78.22	
			<i>For &gt;75 To 150, Add</i>	39.11	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.65	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.31	
			<i>For &gt;2,000, Deduct</i>	-6.62	
			<i>For DR 35 Pipe Liner, Deduct</i>	-28.21	
			<i>For DR 41 Pipe Liner, Deduct</i>	-56.41	
33 01 30 79-0022	LF		18" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 35.....	352.44	
			<i>For Up To 75, Add</i>	102.83	
			<i>For &gt;75 To 150, Add</i>	51.42	
			<i>For &gt;500 To 1,000, Deduct</i>	-1.87	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-3.73	
			<i>For &gt;2,000, Deduct</i>	-7.46	
			<i>For DR 41 Pipe Liner, Deduct</i>	-32.76	
			<i>For DR 50 Pipe Liner, Deduct</i>	-65.51	
33 01 30 79-0023	LF		21" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 47.....	398.19	
			<i>For Up To 75, Add</i>	114.69	
			<i>For &gt;75 To 150, Add</i>	57.34	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.02	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.04	
			<i>For &gt;2,000, Deduct</i>	-8.09	
			<i>For DR 50 Pipe Liner, Deduct</i>	-55.68	
			<i>For DR 55 Pipe Liner, Deduct</i>	-92.81	
33 01 30 79-0024	LF		24" Diameter Form and Fold Polyvinyl Chloride (PVC) Pipeliner, DR 55.....	487.99	
			<i>For Up To 75, Add</i>	135.83	
			<i>For &gt;75 To 150, Add</i>	67.92	
			<i>For &gt;500 To 1,000, Deduct</i>	-2.21	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-4.41	
			<i>For &gt;2,000, Deduct</i>	-8.82	
			<i>For DR 60 Pipe Liner, Deduct</i>	-68.79	

**33 01 30 81 Manhole Rehabilitation (33 01 30)**

33 01 30 81-0001 Restoration And Rehabilitation Of Manholes (33 01 30 81)  
 Note: Work is in confined spaces.

33 01 30 81-0002 Manhole Seals (33 01 30 81-0001)

33 01 30 81-0003 Internal Manhole Chimney Seals (33 01 30 81-0002)  
 Note: Cretex.

33 01 30 81-0004	EA		20" Internal Manhole Chimney Seal.....	665.21	
33 01 30 81-0005	EA		22" Internal Manhole Chimney Seal.....	701.16	
33 01 30 81-0006	EA		24" Internal Manhole Chimney Seal.....	719.14	
33 01 30 81-0007	EA		26" Internal Manhole Chimney Seal.....	827.01	
33 01 30 81-0008	EA		28" Internal Manhole Chimney Seal.....	934.88	
33 01 30 81-0009	EA		30" Internal Manhole Chimney Seal.....	1,042.75	
33 01 30 81-0010	EA		36" Internal Manhole Chimney Seal.....	1,258.50	

33 01 30 81-0011 External Manhole Encapsulation (33 01 30 81-0002)  
 Note: Wrapidseal.

33 01 30 81-0012	EA		24" External Manhole Encapsulation.....	970.84	
33 01 30 81-0013	EA		30" External Manhole Encapsulation.....	1,024.78	
33 01 30 81-0014	EA		36" External Manhole Encapsulation.....	1,096.70	
33 01 30 81-0015	EA		42" External Manhole Encapsulation.....	1,186.59	
33 01 30 81-0016	EA		48" External Manhole Encapsulation.....	1,312.43	
33 01 30 81-0017	EA		54" External Manhole Encapsulation.....	1,456.27	
33 01 30 81-0018	EA		60" External Manhole Encapsulation.....	1,636.05	

33 01 30 81-0019 Manhole Crack Repair (33 01 30 81-0001)  
 Note: Includes removing loose materials and cleaning.

33 01 30 81-0020	LF		Up To 1/4" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	73.24	
33 01 30 81-0021	LF		>1/4" To 1/2" Wide, Epoxy Grout Injection, Manhole Crack Repair.....	98.46	
33 01 30 81-0022	LF		Up To 1/4" Wide, Urethane Grout Injection, Manhole Crack Repair.....	70.02	
33 01 30 81-0023	LF		>1/4" To 1/2" Wide, Urethane Grout Injection, Manhole Crack Repair.....	94.72	

33 01 30 81-0024 Manhole Patching (33 01 30 81-0001)  
 Note: Includes removing loose materials and cleaning.

33 01 30 81-0025	SF		Up To 1/4" Thick, Cementitious Grout, Manhole Patching.....	22.99	
33 01 30 81-0026	SF		Up To 1/4" Thick, Epoxy Grout, Manhole Patching.....	45.28	

33 01 30 81-0027 Manhole Joint Restoration (33 01 30 81-0001)  
 Note: Includes drilling holes at joints, fill joints with grout.

33 01 30 81-0028	EA		3' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	2,614.88	
			Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
			<i>For Grouting Each Additional Manhole Joint Section, Add</i>	269.19	
33 01 30 81-0029	EA		3-1/2' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,052.44	
			Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
			<i>For Grouting Each Additional Manhole Joint Section, Add</i>	301.55	
33 01 30 81-0030	EA		4' Diameter Joint Restoration, Grout Fill Per Each Manhole.....	3,486.52	
			Note: Includes two (2) joints sections to be grouted and two (2) pipe connections.		
			<i>For Grouting Each Additional Manhole Joint Section, Add</i>	333.92	



**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 81-0031	EA		5' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	4,117.16 350.10	
33 01 30 81-0032	EA		6' Diameter Joint Restoration, Grout Fill Per Each Manhole..... Note: Includes two (2) joints sections to be grouted and two (2) pipe connections. <i>For Grouting Each Additional Manhole Joint Section, Add</i>	4,746.04 366.28	
<b>33 01 30 81-0033</b>			<b>Step Installation In Existing Manholes</b> (33 01 30 81-0001) Note: Including drilling in existing concrete manhole, step and grout. Demolition cost includes removal of old step and patching holes.		
33 01 30 81-0034	EA		Drill And Grout 8" x 9" Cast Iron Manhole Steps.....	179.12	31.28
33 01 30 81-0035	EA		Drill And Grout Galvanized Steel Manhole Step.....	145.45	31.28
33 01 30 81-0036	EA		Bolt On Galvanized Steel Manhole Step.....	163.82	31.28
33 01 30 81-0037	EA		Drill And Grout Aluminum Manhole Step.....	175.42	31.28
33 01 30 81-0038	EA		Drill And Insert Polypropylene Manhole Step.....	88.34	25.03
<b>33 01 30 81-0039</b>			<b>Manhole Penetration Sealing</b> (33 01 30 81-0001) Note: At new pipe connection to manhole.		
33 01 30 81-0040	EA		6" To 12" Opening, Seal New Pipe Connection To Existing Manhole.....	569.94	
33 01 30 81-0041	EA		>12" To 22" Opening, Seal New Pipe Connection To Existing Manhole.....	877.96	
33 01 30 81-0042	EA		>22" To 36" Opening, Seal New Pipe Connection To Existing Manhole.....	1,201.32	
<b>33 01 30 81-0043</b>			<b>Invert Restoration</b> (33 01 30 81-0001) Note: Includes removal of existing defective material and installation of new material.		
<b>33 01 30 81-0044</b>			<b>Concrete Invert Restoration</b> (33 01 30 81-0043)		
33 01 30 81-0045	EA		2' Diameter, Concrete Invert Restoration.....	458.38	
33 01 30 81-0046	EA		3' Diameter, Concrete Invert Restoration.....	521.97	
33 01 30 81-0047	EA		4' Diameter, Concrete Invert Restoration.....	585.57	
33 01 30 81-0048	EA		5' Diameter, Concrete Invert Restoration.....	649.17	
33 01 30 81-0049	EA		6' Diameter, Concrete Invert Restoration.....	839.96	
33 01 30 81-0050	SF		Square Or Rectangular, Concrete Invert Restoration.....	46.55	
<b>33 01 30 81-0051</b>			<b>Brick Invert Restoration</b> (33 01 30 81-0043)		
33 01 30 81-0052	EA		2' Diameter, Brick Invert Restoration.....	777.79	
33 01 30 81-0053	EA		3' Diameter, Brick Invert Restoration.....	841.38	
33 01 30 81-0054	EA		4' Diameter, Brick Invert Restoration.....	904.98	
33 01 30 81-0055	EA		5' Diameter, Brick Invert Restoration.....	968.58	
33 01 30 81-0056	EA		6' Diameter, Brick Invert Restoration.....	1,032.18	
33 01 30 81-0057	SF		Square Or Rectangular, Brick Invert Restoration.....	66.81	
<b>33 01 30 81-0058</b>			<b>Repair In-Kind Of Drainage Structures</b> (33 01 30 81) Note: For brick, concrete or concrete block catch basins, inlets, manholes, and other drainage structures. Includes replacing bricks or concrete blocks, concrete repair, sealing and repairing joints, excavation, backfilling, pavement removal, restoration of pavement and all tasks to perform interior and/or exterior repair in-kind. Sizes are inside dimensions. For other sizes, use closest size.		
33 01 30 81-0059	VLF		2' Diameter, Repair In-Kind Drainage Structure.....	845.94	
33 01 30 81-0060	VLF		3' Diameter, Repair In-Kind Drainage Structure.....	1,268.92	
33 01 30 81-0061	VLF		4' Diameter, Repair In-Kind Drainage Structure.....	1,692.00	
33 01 30 81-0062	VLF		5' Diameter, Repair In-Kind Drainage Structure.....	2,114.85	
33 01 30 81-0063	VLF		6' Diameter, Repair In-Kind Drainage Structure.....	2,537.83	
33 01 30 81-0064	VLF		2' x 2', Repair In-Kind Drainage Structure.....	1,077.63	
33 01 30 81-0065	VLF		2' x 3', Repair In-Kind Drainage Structure.....	1,347.04	
33 01 30 81-0066	VLF		2' x 4', Repair In-Kind Drainage Structure.....	1,616.45	
33 01 30 81-0067	VLF		3' x 4', Repair In-Kind Drainage Structure.....	1,885.86	
33 01 30 81-0068	VLF		4' x 4', Repair In-Kind Drainage Structure.....	2,155.27	
33 01 30 81-0069	VLF		4' x 5', Repair In-Kind Drainage Structure.....	2,424.68	
33 01 30 81-0070	VLF		4' x 6', Repair In-Kind Drainage Structure.....	2,694.09	
33 01 30 81-0071	VLF		4' x 8', Repair In-Kind Drainage Structure.....	3,232.90	
33 01 30 81-0072	VLF		>32 GSF, Repair In-Kind Drainage Structure.....	3,771.72	
<b>33 01 30 82</b>			<b>Epoxy Lining for Concrete Manholes</b> (33 01 30)		
<b>33 01 30 82-0001</b>			<b>Epoxy Manhole Restoration, Interior</b> (33 01 30 82)		
33 01 30 82-0002	VLF		60 Mil Epoxy Restoration Of 3' Diameter Manhole Interior.....	426.80	
			<i>For 80 Mil Material, Add</i>	48.21	
			<i>For 100 Mil Material, Add</i>	96.41	
			<i>For 125 Mil Material, Add</i>	149.85	
			<i>For 150 Mil Material, Add</i>	203.28	
			<i>For 200 Mil Material, Add</i>	291.94	
			<i>For 2 To 5 Manholes, Deduct</i>	-30.44	
			<i>For 6 To 10 Manholes, Deduct</i>	-50.22	
			<i>For &gt;10 Manholes, Deduct</i>	-100.43	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 30 82-0003			VLF 60 Mil Epoxy Restoration Of 3-1/2' Diameter Manhole Interior .....	518.22	
			For 80 Mil Material, Add	57.78	
			For 100 Mil Material, Add	115.56	
			For 125 Mil Material, Add	179.44	
			For 150 Mil Material, Add	243.32	
			For 200 Mil Material, Add	348.83	
			For 2 To 5 Manholes, Deduct	-37.04	
			For 6 To 10 Manholes, Deduct	-61.12	
			For >10 Manholes, Deduct	-122.23	
33 01 30 82-0004			VLF 60 Mil Epoxy Restoration Of 4' Diameter Manhole Interior .....	569.06	
			For 80 Mil Material, Add	64.28	
			For 100 Mil Material, Add	128.55	
			For 125 Mil Material, Add	199.79	
			For 150 Mil Material, Add	271.04	
			For 200 Mil Material, Add	389.25	
			For 2 To 5 Manholes, Deduct	-40.59	
			For 6 To 10 Manholes, Deduct	-66.95	
			For >10 Manholes, Deduct	-133.91	
33 01 30 82-0005			VLF 60 Mil Epoxy Restoration Of 5' Diameter Manhole Interior .....	711.39	
			For 80 Mil Material, Add	80.37	
			For 100 Mil Material, Add	160.73	
			For 125 Mil Material, Add	249.81	
			For 150 Mil Material, Add	338.89	
			For 200 Mil Material, Add	486.70	
			For 2 To 5 Manholes, Deduct	-50.74	
			For 6 To 10 Manholes, Deduct	-83.70	
			For >10 Manholes, Deduct	-167.39	
33 01 30 82-0006			VLF 60 Mil Epoxy Restoration Of 6' Diameter Manhole Interior .....	853.66	
			For 80 Mil Material, Add	96.43	
			For 100 Mil Material, Add	192.87	
			For 125 Mil Material, Add	299.76	
			For 150 Mil Material, Add	406.65	
			For 200 Mil Material, Add	584.02	
			For 2 To 5 Manholes, Deduct	-60.89	
			For 6 To 10 Manholes, Deduct	-100.43	
			For >10 Manholes, Deduct	-200.87	
<b>33 01 30 83 Lining for Concrete Manholes (33 01 30)</b>					
33 01 30 83-0001			Manhole Lining (33 01 30 83)		
			Note: Includes power washing and cleaning of manhole interiors.		
33 01 30 83-0002			Cementitious Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0003			VLF 1/2" Cementitious Restoration On 3' Diameter Manhole Interior .....	177.09	
			For Each Additional 1/2" Thick Material, Add	36.40	
			For 2 To 5 Manholes, Deduct	-12.70	
			For 6 To 10 Manholes, Deduct	-20.97	
			For >10 Manholes, Deduct	-41.94	
33 01 30 83-0004			VLF 1/2" Cementitious Restoration On 3-1/2' Diameter Manhole Interior .....	205.26	
			For Each Additional 1/2" Thick Material, Add	42.33	
			For 2 To 5 Manholes, Deduct	-14.71	
			For 6 To 10 Manholes, Deduct	-24.30	
			For >10 Manholes, Deduct	-48.59	
33 01 30 83-0005			VLF 1/2" Cementitious Restoration On 4' Diameter Manhole Interior .....	233.42	
			For Each Additional 1/2" Thick Material, Add	48.26	
			For 2 To 5 Manholes, Deduct	-16.73	
			For 6 To 10 Manholes, Deduct	-27.62	
			For >10 Manholes, Deduct	-55.24	
33 01 30 83-0006			VLF 1/2" Cementitious Restoration On 5' Diameter Manhole Interior .....	273.77	
			For Each Additional 1/2" Thick Material, Add	58.67	
			For 2 To 5 Manholes, Deduct	-19.55	
			For 6 To 10 Manholes, Deduct	-32.27	
			For >10 Manholes, Deduct	-64.53	
33 01 30 83-0007			VLF 1/2" Cementitious Restoration On 6' Diameter Manhole Interior .....	297.55	
			For Each Additional 1/2" Thick Material, Add	67.13	
			For 2 To 5 Manholes, Deduct	-21.15	
			For 6 To 10 Manholes, Deduct	-34.86	
			For >10 Manholes, Deduct	-69.72	
33 01 30 83-0008			Polyurethane Manhole Restoration, Interior (33 01 30 83-0001)		
33 01 30 83-0009			VLF 60 Mil Polyurethane Restoration Of 3' Diameter Manhole Interior .....	385.99	
			For 80 Mil Material, Add	34.60	
			For 100 Mil Material, Add	69.21	
			For 125 Mil Material, Add	105.64	
			For 150 Mil Material, Add	142.07	
			For 200 Mil Material, Add	196.72	
			For 2 To 5 Manholes, Deduct	-28.40	
			For 6 To 10 Manholes, Deduct	-47.15	
			For >10 Manholes, Deduct	-94.31	
33 01 30 83-0010			VLF 60 Mil Polyurethane Restoration Of 3-1/2' Diameter Manhole Interior .....	470.55	
			For 80 Mil Material, Add	41.89	
			For 100 Mil Material, Add	83.78	
			For 125 Mil Material, Add	127.80	
			For 150 Mil Material, Add	171.81	
			For 200 Mil Material, Add	237.60	
			For 2 To 5 Manholes, Deduct	-34.65	
			For 6 To 10 Manholes, Deduct	-57.54	
			For >10 Manholes, Deduct	-115.08	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 30 Operation and Maintenance of Sewer Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 30 83-0011	VLF 60 Mil Polyurethane Restoration Of 4' Diameter Manhole Interior .....	514.65	
	For 80 Mil Material, Add	46.14	
	For 100 Mil Material, Add	92.28	
	For 125 Mil Material, Add	140.85	
	For 150 Mil Material, Add	189.42	
	For 200 Mil Material, Add	262.29	
	For 2 To 5 Manholes, Deduct	-37.87	
	For 6 To 10 Manholes, Deduct	-62.87	
	For >10 Manholes, Deduct	-125.74	
33 01 30 83-0012	VLF 60 Mil Polyurethane Restoration Of 5' Diameter Manhole Interior .....	643.31	
	For 80 Mil Material, Add	57.67	
	For 100 Mil Material, Add	115.34	
	For 125 Mil Material, Add	176.06	
	For 150 Mil Material, Add	236.77	
	For 200 Mil Material, Add	327.85	
	For 2 To 5 Manholes, Deduct	-47.34	
	For 6 To 10 Manholes, Deduct	-78.59	
	For >10 Manholes, Deduct	-157.18	
33 01 30 83-0013	VLF 60 Mil Polyurethane Restoration Of 6' Diameter Manhole Interior .....	771.98	
	For 80 Mil Material, Add	69.21	
	For 100 Mil Material, Add	138.42	
	For 125 Mil Material, Add	211.27	
	For 150 Mil Material, Add	284.13	
	For 200 Mil Material, Add	393.43	
	For 2 To 5 Manholes, Deduct	-56.80	
	For 6 To 10 Manholes, Deduct	-94.31	
	For >10 Manholes, Deduct	-188.62	
33 01 30 83-0014	<b>Multiplexx™ PVCP Cured-In-Place (CIP) Lining Manhole Restoration, Interior</b> (33 01 30 83-0001)		
33 01 30 83-0015	VLF 3' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	611.41	
	For 2 To 5 Manholes, Deduct	-36.03	
	For 6 To 10 Manholes, Deduct	-56.77	
	For >10 Manholes, Deduct	-113.55	
33 01 30 83-0016	VLF 3-1/2' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	748.68	
	For 2 To 5 Manholes, Deduct	-44.11	
	For 6 To 10 Manholes, Deduct	-69.50	
	For >10 Manholes, Deduct	-138.99	
33 01 30 83-0017	VLF 4' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	879.10	
	For 2 To 5 Manholes, Deduct	-51.23	
	For 6 To 10 Manholes, Deduct	-80.49	
	For >10 Manholes, Deduct	-160.98	
33 01 30 83-0018	VLF 5' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	1,102.30	
	For 2 To 5 Manholes, Deduct	-64.21	
	For 6 To 10 Manholes, Deduct	-100.87	
	For >10 Manholes, Deduct	-201.74	
33 01 30 83-0019	VLF 6' Diameter, Multiplexx™ PVCP Cured-In-Place (CIP) Manhole Liner For Existing Manhole .....	1,325.49	
	For 2 To 5 Manholes, Deduct	-77.19	
	For 6 To 10 Manholes, Deduct	-121.25	
	For >10 Manholes, Deduct	-242.49	
<b>33 01 30 86</b>	<b>Manhole Rim Adjustment</b> (33 01 30)		
33 01 30 86-0001	Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86)		
33 01 30 86-0002	Up To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Risers (33 01 30 86-0001)		
33 01 30 86-0003	EA Up To 2" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	459.58	
33 01 30 86-0004	EA >2" To 3" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	515.08	
33 01 30 86-0005	EA >3" To 4" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	565.83	
33 01 30 86-0006	EA >4" To 5" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	623.19	
33 01 30 86-0007	EA >5" To 6" Rise, Up To 26" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	670.40	
33 01 30 86-0008	Up To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser (33 01 30 86-0001)		
33 01 30 86-0009	EA Up To 2" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	534.82	
33 01 30 86-0010	EA >2 To 3" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	582.21	
33 01 30 86-0011	EA >3" To 4" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	641.36	
33 01 30 86-0012	EA >4" To 5" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	698.71	
33 01 30 86-0013	EA >5" To 6" Rise, >26" To 32-1/2" Diameter, Adjustable Or Solid, Cast Iron Or Steel, Manhole Cover Riser .....	754.28	
33 01 30 86-0014	Up To 6" Rise, >32-1/2" To 36" Diameter, Adjustable Or Solid Manhole Risiers (33 01 30 86-0001)		
33 01 30 86-0015	EA Up To 4" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risiers .....	616.84	
33 01 30 86-0016	EA >4" To 5" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risiers .....	651.57	
33 01 30 86-0017	EA >5" To 6" Rise, >32-1/2" To 36" Diameter, Solid Manhole Risiers .....	689.13	
33 01 30 86-0018	>6" To 12" Rise, >32-1/2" To 36" Diameter, Solid, Cast Iron, Manhole Cover Risiers (33 01 30 86-0001)		
33 01 30 86-0019	EA >6" To 6-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	748.73	
33 01 30 86-0020	EA 7" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	813.28	
33 01 30 86-0021	EA 7-1/2" Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	879.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 01 30 86-0022	EA	8"	Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	932.18	
33 01 30 86-0023	EA	9"	Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	1,011.77	
33 01 30 86-0024	EA	10"	Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	1,084.66	
33 01 30 86-0025	EA	11"	Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	1,156.38	
33 01 30 86-0026	EA	12"	Rise, >32-1/2" To 36", Solid, Cast Iron, Manhole Cover Riser .....	1,229.80	

**33 01 34 Operation and Maintenance of Onsite Wastewater Disposal Systems** (33 01)

**33 01 34 13 Septic Tank Solids Removal** (33 01 34)

33 01 34 13-0001			Pump Out Septic Tanks <small>(33 01 34 13)</small>		
33 01 34 13-0002	GAL		Pump Out Septic Tank And Dispose .....	0.82	

**33 01 70 Operation and Maintenance of Electrical Utilities** (33 01)

**33 01 70 51 Electrical Utility Visual Inspection** (33 01 70)

33 01 70 51-0001			Video Camera Inspection Of Gas Piping and Electrical Duct <small>(33 01 70 51)</small>		
33 01 70 51-0002			Video Camera Set-up <small>(33 01 70 51-0001)</small>		
33 01 70 51-0003	EA	Up To 12"	Diameter, Initial Set Up For Video Inspection, Gas Pipe Or Electrical Duct.....	341.23	
33 01 70 51-0004	EA	>12" To 48"	Diameter, Initial Set Up For Video Inspection, Gas Pipe.....	383.88	
33 01 70 51-0005	EA	Up To 12"	Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe Or Electrical Duct.....	85.30	
33 01 70 51-0006	EA	>12" To 48"	Diameter, Re-Set Up/Move For Video Inspection, Gas Pipe.....	127.96	

33 01 70 51-0007			Video Camera Inspection Of Gas Pipe Or Electrical Duct <small>(33 01 70 51-0001)</small>		
33 01 70 51-0008	LF	Up To 12"	Diameter, Video Inspection, Gas Pipe Or Electrical Duct .....	1.31	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.07	
			<i>For &gt;5,000, Deduct</i>	-0.13	
33 01 70 51-0009	LF	>12" To 48"	Diameter, Video Inspection, Gas Pipe .....	2.03	
			<i>For &gt;1,000 To 5,000, Deduct</i>	-0.10	
			<i>For &gt;5,000, Deduct</i>	-0.20	

**33 01 70 72 Cured-in-Place Conduit Lining** (33 01 70)

33 01 70 72-0001			Lining Conduit With Cured In-Place (CIP) Liner <small>(33 01 70 72)</small>		
			Note: Cured in-place thermosetting resin pipe and resin impregnated tube. Excludes video camera inspection and cleaning.		
33 01 70 72-0002			2mm Thick Cured In-Place Conduit Lining <small>(33 01 70 72-0001)</small>		
33 01 70 72-0003	LF	1-1/2"	Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	8.48	
			<i>For Up To &gt;10, Add</i>	17.19	
			<i>For &gt;10 To 25, Add</i>	13.78	
			<i>For &gt;25 To 50, Add</i>	8.43	
			<i>For &gt;50 To 100, Add</i>	4.22	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.55	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-0.90	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-1.69	
			<i>For &gt;5,000, Deduct</i>	-2.73	
33 01 70 72-0004	LF	2"	Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	10.27	
			<i>For Up To &gt;10, Add</i>	19.69	
			<i>For &gt;10 To 25, Add</i>	15.66	
			<i>For &gt;25 To 50, Add</i>	9.62	
			<i>For &gt;50 To 100, Add</i>	4.81	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.66	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.06	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-1.99	
			<i>For &gt;5,000, Deduct</i>	-3.22	
33 01 70 72-0005	LF	2-1/2"	Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining.....	12.89	
			<i>For Up To &gt;10, Add</i>	24.65	
			<i>For &gt;10 To 25, Add</i>	19.60	
			<i>For &gt;25 To 50, Add</i>	12.04	
			<i>For &gt;50 To 100, Add</i>	6.02	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.83	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.33	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-2.49	
			<i>For &gt;5,000, Deduct</i>	-4.03	
33 01 70 72-0006	LF	3"	Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	15.18	
			<i>For Up To &gt;10, Add</i>	28.62	
			<i>For &gt;10 To 25, Add</i>	22.72	
			<i>For &gt;25 To 50, Add</i>	13.97	
			<i>For &gt;50 To 100, Add</i>	6.98	
			<i>For &gt;500 To 1,000, Deduct</i>	-0.97	
			<i>For &gt;1,000 To 2,000, Deduct</i>	-1.56	
			<i>For &gt;2,000 To 5,000, Deduct</i>	-2.91	
			<i>For &gt;5,000, Deduct</i>	-4.72	

**33 Utilities****33 01 Operation and Maintenance of Utilities****33 01 70 Operation and Maintenance of Electrical Utilities**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 01 70 72-0007	LF	3-1/2" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	16.99	
		<i>For Up To &gt;10, Add</i>	31.15	
		<i>For &gt;10 To 25, Add</i>	24.63	
		<i>For &gt;25 To 50, Add</i>	15.18	
		<i>For &gt;50 To 100, Add</i>	7.59	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.08	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.73	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.22	
		<i>For &gt;5,000, Deduct</i>	-5.21	
33 01 70 72-0008	LF	4" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	19.12	
		<i>For Up To &gt;10, Add</i>	34.64	
		<i>For &gt;10 To 25, Add</i>	27.35	
		<i>For &gt;25 To 50, Add</i>	16.86	
		<i>For &gt;50 To 100, Add</i>	8.43	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.21	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.94	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.60	
		<i>For &gt;5,000, Deduct</i>	-5.83	
33 01 70 72-0009	LF	5" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	22.41	
		<i>For Up To &gt;10, Add</i>	38.71	
		<i>For &gt;10 To 25, Add</i>	30.35	
		<i>For &gt;25 To 50, Add</i>	18.78	
		<i>For &gt;50 To 100, Add</i>	9.39	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.40	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.23	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-4.12	
		<i>For &gt;5,000, Deduct</i>	-6.68	
33 01 70 72-0010	LF	6" Conduit Lined With 2mm Thick Cured In-Place (CIP) Lining .....	25.70	
		<i>For Up To &gt;10, Add</i>	42.78	
		<i>For &gt;10 To 25, Add</i>	33.36	
		<i>For &gt;25 To 50, Add</i>	20.70	
		<i>For &gt;50 To 100, Add</i>	10.35	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.58	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.53	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-4.64	
		<i>For &gt;5,000, Deduct</i>	-7.53	
33 01 70 72-0011		<b>3mm Thick Cured In-Place Conduit Lining</b> <small>(33 01 70 72-0001)</small>		
33 01 70 72-0012	LF	1-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	10.31	
		<i>For Up To &gt;10, Add</i>	18.91	
		<i>For &gt;10 To 25, Add</i>	14.95	
		<i>For &gt;25 To 50, Add</i>	9.21	
		<i>For &gt;50 To 100, Add</i>	4.61	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.65	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.05	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-1.95	
		<i>For &gt;5,000, Deduct</i>	-3.16	
33 01 70 72-0013	LF	2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	13.33	
		<i>For Up To &gt;10, Add</i>	23.64	
		<i>For &gt;10 To 25, Add</i>	18.61	
		<i>For &gt;25 To 50, Add</i>	11.49	
		<i>For &gt;50 To 100, Add</i>	5.75	
		<i>For &gt;500 To 1,000, Deduct</i>	-0.84	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.34	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-2.48	
		<i>For &gt;5,000, Deduct</i>	-4.02	
33 01 70 72-0014	LF	2-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	16.37	
		<i>For Up To &gt;10, Add</i>	28.41	
		<i>For &gt;10 To 25, Add</i>	22.30	
		<i>For &gt;25 To 50, Add</i>	13.79	
		<i>For &gt;50 To 100, Add</i>	6.90	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.02	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.63	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.02	
		<i>For &gt;5,000, Deduct</i>	-4.89	
33 01 70 72-0015	LF	3" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	19.08	
		<i>For Up To &gt;10, Add</i>	32.19	
		<i>For &gt;10 To 25, Add</i>	25.16	
		<i>For &gt;25 To 50, Add</i>	15.59	
		<i>For &gt;50 To 100, Add</i>	7.80	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.18	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-1.88	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.47	
		<i>For &gt;5,000, Deduct</i>	-5.63	
33 01 70 72-0016	LF	3-1/2" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	21.63	
		<i>For Up To &gt;10, Add</i>	35.49	
		<i>For &gt;10 To 25, Add</i>	27.62	
		<i>For &gt;25 To 50, Add</i>	17.16	
		<i>For &gt;50 To 100, Add</i>	8.58	
		<i>For &gt;500 To 1,000, Deduct</i>	-1.33	
		<i>For &gt;1,000 To 2,000, Deduct</i>	-2.12	
		<i>For &gt;2,000 To 5,000, Deduct</i>	-3.88	
		<i>For &gt;5,000, Deduct</i>	-6.30	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 01 70 72-0017	LF		4" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	24.33	
			For Up To >10, Add	39.24	
			For >10 To 25, Add	30.45	
			For >25 To 50, Add	18.95	
			For >50 To 100, Add	9.47	
			For >500 To 1,000, Deduct	-1.49	
			For >1,000 To 2,000, Deduct	-2.37	
			For >2,000 To 5,000, Deduct	-4.33	
			For >5,000, Deduct	-7.03	
33 01 70 72-0018	LF		5" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	29.60	
			For Up To >10, Add	46.35	
			For >10 To 25, Add	35.80	
			For >25 To 50, Add	22.33	
			For >50 To 100, Add	11.16	
			For >500 To 1,000, Deduct	-1.80	
			For >1,000 To 2,000, Deduct	-2.85	
			For >2,000 To 5,000, Deduct	-5.19	
			For >5,000, Deduct	-8.44	
33 01 70 72-0019	LF		6" Conduit Lined With 3mm Thick Cured In-Place (CIP) Lining .....	34.36	
			For Up To >10, Add	51.96	
			For >10 To 25, Add	39.89	
			For >25 To 50, Add	24.96	
			For >50 To 100, Add	12.48	
			For >500 To 1,000, Deduct	-2.07	
			For >1,000 To 2,000, Deduct	-3.27	
			For >2,000 To 5,000, Deduct	-5.93	
			For >5,000, Deduct	-9.65	

**33 05 Common Work Results for Utilities (33)**

**33 05 07 Trenchless Installation of Utility Piping (33 05)**

**33 05 07 13 Utility Directional Drilling (33 05 07)**

**33 05 07 13-0001 Horizontal Augering (33 05 07 13)**

Note: Excludes starting or receiving pits, dewatering, cost of casing pipe or spoils removal. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0002	LF	Up To 2" Diameter Horizontal Hand Augering .....	36.30
33 05 07 13-0003	LF	3" Diameter Horizontal Hand Augering .....	43.80
33 05 07 13-0004	LF	4" Diameter Horizontal Hand Augering .....	60.07
33 05 07 13-0005	LF	6" Diameter Horizontal Hand Augering .....	77.58
33 05 07 13-0006	LF	8" Diameter Horizontal Augering .....	130.34
33 05 07 13-0007	LF	10" Diameter Horizontal Augering .....	190.13
33 05 07 13-0008	LF	12" Diameter Horizontal Augering .....	228.47
33 05 07 13-0009	LF	16" Diameter Horizontal Augering .....	272.93
33 05 07 13-0010	LF	20" Diameter Horizontal Augering .....	472.28
33 05 07 13-0011	LF	24" Diameter Horizontal Augering .....	573.92
33 05 07 13-0012	LF	30" Diameter Horizontal Augering .....	707.89
33 05 07 13-0013	LF	36" Diameter Horizontal Augering .....	808.78
33 05 07 13-0014	LF	42" Diameter Horizontal Augering .....	994.32
33 05 07 13-0015	LF	48" Diameter Horizontal Augering .....	1,071.39
33 05 07 13-0016	LF	54" Diameter Horizontal Augering .....	1,165.19
33 05 07 13-0017	LF	60" Diameter Horizontal Augering .....	1,221.58
33 05 07 13-0018	EA	8" To 20" Horizontal Augering Minimum Set-up Charge .....	5,520.11
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0019	EA	>20" To 36" Horizontal Augering Minimum Set-up Charge .....	7,277.33
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	
33 05 07 13-0020	EA	>36" Horizontal Augering Minimum Set-up Charge .....	10,150.47
		Note: For projects where the total horizontal augering charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	

**33 05 07 13-0021 Horizontal Directional Boring (33 05 07 13)**

Note: Excludes receiving pits or dewatering or cost of casing pipe. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits, 33 05 07 24-0001 for casing pipe.

33 05 07 13-0022	LF	Up To 1-1/2" Diameter Directional Boring For Horizontal Pipe, Underground .....	18.16
		For Horizontal Boring Through Rock, Add	12.71
33 05 07 13-0023	LF	2" Diameter Directional Boring For Horizontal Pipe, Underground .....	27.25
		For Horizontal Boring Through Rock, Add	19.08
33 05 07 13-0024	LF	2-1/2" Diameter Directional Boring For Horizontal Pipe, Underground .....	37.85
		For Horizontal Boring Through Rock, Add	26.50
33 05 07 13-0025	LF	3" Diameter Directional Boring For Horizontal Pipe, Underground .....	46.94
		For Horizontal Boring Through Rock, Add	32.86
33 05 07 13-0026	LF	4" Diameter Directional Boring For Horizontal Pipe, Underground .....	56.02
		For Horizontal Boring Through Rock, Add	39.21
33 05 07 13-0027	LF	5" Diameter Directional Boring For Horizontal Pipe, Underground .....	65.10
		For Horizontal Boring Through Rock, Add	45.57
33 05 07 13-0028	LF	6" Diameter Directional Boring For Horizontal Pipe, Underground .....	75.70
		For Horizontal Boring Through Rock, Add	52.99
33 05 07 13-0029	LF	8" Diameter Directional Boring For Horizontal Pipe, Underground .....	92.00
		For Horizontal Boring Through Rock, Add	64.40
33 05 07 13-0030	LF	10" Diameter Directional Boring For Horizontal Pipe, Underground .....	99.67
		For Horizontal Boring Through Rock, Add	69.77
33 05 07 13-0031	LF	12" Diameter Directional Boring For Horizontal Pipe, Underground .....	107.33
		For Horizontal Boring Through Rock, Add	75.13

**33 Utilities****33 05 Common Work Results for Utilities****33 05 07 Trenchless Installation of Utility Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 07 13-0032	LF	18" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	222.34 155.64
33 05 07 13-0033	LF	24" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	339.06 237.34
33 05 07 13-0034	LF	30" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	516.85 361.80
33 05 07 13-0035	LF	36" Diameter Directional Boring For Horizontal Pipe, Underground <i>For Horizontal Boring Through Rock, Add</i>	826.97 578.88
33 05 07 13-0036	EA	Up To 6" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,844.79
33 05 07 13-0037	EA	>6" To 18" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,520.11
33 05 07 13-0038	EA	>18" To 36" Horizontal Directional Boring Minimum Set-up Charge Note: For projects where the total horizontal directional boring charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,277.33

**33 05 07 23 Utility Boring and Jacking (33 05 07)****33 05 07 23-0001 Horizontal Jacking (33 05 07 23)**

Note: Includes cost of steel casing pipe, excludes dewatering and excavation for jacking pit or receiving pit. See CSI section 31 23 16 36-0000 for excavation and backfill of starting or receiving pits.

33 05 07 23-0002	LF	Up To 2" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	103.54 38.16
33 05 07 23-0003	LF	3" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	123.73 46.05
33 05 07 23-0004	LF	4" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	165.99 63.15
33 05 07 23-0005	LF	6" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	214.59 81.58
33 05 07 23-0006	LF	8" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	289.01 111.83
33 05 07 23-0007	LF	10" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	424.73 163.16
33 05 07 23-0008	LF	12" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	511.83 196.05
33 05 07 23-0009	LF	16" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	610.93 234.22
33 05 07 23-0010	LF	20" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	897.26 406.57
33 05 07 23-0011	LF	24" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	1,766.08 456.30
33 05 07 23-0012	LF	30" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	2,008.26 563.42
33 05 07 23-0013	LF	36" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	2,257.40 644.22
33 05 07 23-0014	LF	42" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	2,420.05 695.68
33 05 07 23-0015	LF	48" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	2,630.75 749.58
33 05 07 23-0016	LF	54" Diameter Horizontal Jacking <i>For Horizontal Jacking Through Rock, Add</i>	2,791.77 815.79
33 05 07 23-0017	EA	Up To 6" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	4,844.79
33 05 07 23-0018	EA	>6" To 20" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	5,520.11
33 05 07 23-0019	EA	>20" To 36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	7,277.33
33 05 07 23-0020	EA	>36" Horizontal Jacking Minimum Set-up Charge Note: For projects where the total horizontal jacking charge is less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	10,150.47

**33 05 07 24 Casing Piping for Utility Jacking (33 05 07)****33 05 07 24-0001 Casing Pipe (33 05 07 24)**

Note: Casing pipe is pulled back from hook on boring auger through slurry. Costs are installed costs. Excludes boring.

**33 05 07 24-0002 Steel Pipe (33 05 07 24-0001)**

33 05 07 24-0003	LF	1-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	41.44
33 05 07 24-0004	LF	2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	43.77
33 05 07 24-0005	LF	2-1/2" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	47.48
33 05 07 24-0006	LF	3" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	51.26
33 05 07 24-0007	LF	4" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	65.89
33 05 07 24-0008	LF	5" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	75.03
33 05 07 24-0009	LF	6" Steel Pipe Pull In Place By Boring Machine Note: Includes pipe welding.	84.14

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 05 07 24-0010			<b>Polyethylene Pipe</b> <small>(33 05 07 24-0001)</small> Note: Includes detectable tracer wire.		
33 05 07 24-0011	LF		3/4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	9.12	
33 05 07 24-0012	LF		1" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	9.94	
33 05 07 24-0013	LF		1-1/4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	10.77	
33 05 07 24-0014	LF		1-1/2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	11.51	
33 05 07 24-0015	LF		2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	12.33	
33 05 07 24-0016	LF		2-1/2" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	13.23	
33 05 07 24-0017	LF		3" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	14.18	
33 05 07 24-0018	LF		4" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	17.51	
33 05 07 24-0019	LF		5" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	19.55	
33 05 07 24-0020	LF		6" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	21.60	
33 05 07 24-0021	LF		8" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	28.72	
33 05 07 24-0022	LF		10" Polyethylene Pipe Pull In Place By Boring Machine ..... Note: Includes pipe welding.	39.88	

**33 05 09 Piping Specials for Utilities** (33 05)

**33 05 09 23 Adapters for Utility Piping** (33 05 09)  
See CSI section 33 14 13 53-0222 for ductile iron body adapters, 33 14 13 53-0229 for steel body adapters.

**33 05 09 33 Thrust Restraint for Utility Piping** (33 05 09)  
See CSI section 33 14 13 13-0545 for mechanical restraints, 33 14 13 13-0580 for flanged restraints, 33 14 13 13-1160 for slip-on restraints, 33 14 13 13-1176 for slip-on restraint harnesses.

**33 05 16 Cast-Iron Utility Pipe** (33 05)  
See CSI section 22 13 16 00-0019 for cast iron utility piping.

**33 05 17 Copper Utility Pipe and Tubing** (33 05)  
See CSI section 33 14 13 39-0000 for copper utility piping.

**33 05 19 Ductile-Iron Utility Pipe** (33 05)  
See CSI section 33 14 13 13-0000 for ductile iron utility piping.

**33 05 24 Steel Utility Pipe** (33 05)  
**33 05 24 23 Steel Pipe for Water Service** (33 05 24)  
See CSI section 33 14 13 26-0000 for galvanized steel utility piping, 33 14 13 36-0000 for steel utility piping.

**33 05 27 Corrugated Metal Utility Pipe** (33 05)  
**33 05 27 13 Corrugated Metal Culvert Pipe** (33 05 27)  
See CSI section 33 42 11 00-0365 for corrugated metal culvert pipe.

**33 05 27 23 Corrugated Metal Slotted Pipe** (33 05 27)  
See CSI section 33 41 16 13-0084 for corrugated metal slotted pipe.

**33 05 27 33 Corrugated Metal Culvert Arch Pipe** (33 05 27)  
See CSI section 33 42 11 00-0707 for corrugated metal culvert arch pipe.

**33 05 31 Thermoplastic Utility Pipe** (33 05)  
**33 05 31 11 Polyvinyl Chloride Gravity Sewer Pipe** (33 05 31)  
See CSI section 33 31 11 00-0000 for polyvinyl chloride gravity sewer pipe.

**33 05 31 13 Polyvinyl Chloride Pressure Pipe** (33 05 31)  
See CSI section 33 14 13 23-0256 for polyvinyl chloride pressure pipe.

**33 05 31 16 Polyvinyl Chloride Pressure Pipe for Water Transmission and Distribution (AWWA C900 and AWWA C905)** (33 05 31)  
See CSI section 33 14 13 23-0001 for AWWA C900 and 905 polyvinyl chloride pressure pipe.

**33 05 33 Polyethylene Utility Pipe** (33 05)  
**33 05 33 13 Corrugated-Wall, Smooth Interior HDPE Gravity Pipe** (33 05 33)  
See CSI section 33 42 11 00-0137 for corrugated-wall smooth interior HDPE gravity pipe.  
**33 05 33 23 Polyethylene Pressure Pipe and Tubing (AWWA C901 and AWWA C906)** (33 05 33)  
See CSI section 33 14 13 23-0540 for AWWA C906 high density polyethylene pipe.

**33 05 33 33 Corrugated, Perforated HDPE Drainage Pipe** (33 05 33)  
See CSI section 33 42 11 00-0159 for corrugated perforated HDPE drainage pipe.

**33 05 33 36 Corrugated, Non-Perforated HDPE Drainage Pipe** (33 05 33)  
See CSI section 33 41 16 13-0002 for corrugated non-perforated HDPE drainage pipe.

**33 05 33 53 HDPE Gas Utility Pipe** (33 05 33)  
See CSI section 33 52 16 26-0001 for high-density polyethylene gas utility pipe.

**33 Utilities****33 05 Common Work Results for Utilities****33 05 33 Polyethylene Utility Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 05 33 56 Medium-Density Polyethylene Gas Utility Pipe** (33 05 33)  
See CSI section 33 52 16 23-0000 for Medium-Density Polyethylene Gas Utility Pipe.**33 05 33 63 HDPE Communication Duct** (33 05 33)

33 05 33 63-0001	ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine (33 05 33 63)		
	Note: Excludes boring.		
33 05 33 63-0002	LF 1" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.33	
	For Up To 250, Add	0.12	
	For >250 To 500, Add	0.08	
33 05 33 63-0003	LF 1-1/4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.84	
	For Up To 250, Add	0.15	
	For >250 To 500, Add	0.10	
33 05 33 63-0004	LF 1-1/2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.23	
	For Up To 250, Add	0.17	
	For >250 To 500, Add	0.12	
33 05 33 63-0005	LF 2" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.74	
	For Up To 250, Add	0.21	
	For >250 To 500, Add	0.14	
33 05 33 63-0006	LF 3" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	7.60	
	For Up To 250, Add	0.44	
	For >250 To 500, Add	0.29	
33 05 33 63-0007	LF 4" Schedule 40, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	9.51	
	For Up To 250, Add	0.66	
	For >250 To 500, Add	0.44	
33 05 33 63-0008	LF 1" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	4.42	
	For Up To 250, Add	0.14	
	For >250 To 500, Add	0.09	
33 05 33 63-0009	LF 1-1/4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.00	
	For Up To 250, Add	0.18	
	For >250 To 500, Add	0.12	
33 05 33 63-0010	LF 1-1/2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	5.36	
	For Up To 250, Add	0.19	
	For >250 To 500, Add	0.13	
33 05 33 63-0011	LF 2" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	6.07	
	For Up To 250, Add	0.26	
	For >250 To 500, Add	0.17	
33 05 33 63-0012	LF 3" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	8.33	
	For Up To 250, Add	0.54	
	For >250 To 500, Add	0.36	
33 05 33 63-0013	LF 4" Schedule 80, ASTM F2160, UL 651-A, NEMA TC-7, Smoothwall HDPE Conduit, Pulled In Place By Boring Machine.....	10.44	
	For Up To 250, Add	0.80	
	For >250 To 500, Add	0.54	

**33 05 39 Concrete Pipe** (33 05)**33 05 39 13 Prestressed Concrete Pressure Pipe, Steel-Cylinder Type (AWWA C301)** (33 05 39)

See CSI section 33 42 11 00-0052 for prestressed concrete pressure pipe.

**33 05 39 41 Reinforced Concrete Pipe for Sewers and Culverts** (33 05 39)

See CSI section 33 42 11 00-0001 for reinforced concrete pipe.

**33 05 39 46 Reinforced Concrete Elliptical Pipe for Sewers and Culverts** (33 05 39)

See CSI section 33 42 11 00-0015 for reinforced concrete elliptical pipe.

**33 05 41 Vitrified Clay Utility Pipe** (33 05)

See CSI section 33 42 11 00-0263 for vitrified clay piping.

**33 05 61 Concrete Manholes** (33 05)**33 05 61 00-0001 Manholes** (33 05 61)**33 05 61 00-0002 Precast Concrete Manholes** (33 05 61 00-0001)

Note: Includes base, riser(s) and openings.

**33 05 61 00-0003 3' Diameter, Precast Concrete Manholes** (33 05 61 00-0002)

33 05 61 00-0004	EA 4' Deep, 3' Diameter, Precast Concrete Manhole.....	1,915.18	392.39
	For Bitumastic Coating, Add	81.29	
	For Epoxy Coating, Add	155.34	
33 05 61 00-0005	EA 6' Deep, 3' Diameter, Precast Concrete Manhole.....	2,621.29	563.61
	For Bitumastic Coating, Add	121.94	
	For Epoxy Coating, Add	233.01	
33 05 61 00-0006	EA 8' Deep, 3' Diameter, Precast Concrete Manhole.....	3,569.94	856.11
	For Bitumastic Coating, Add	162.58	
	For Epoxy Coating, Add	310.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0007	VLF		Riser For 3' Diameter, Precast Concrete Manhole ..... Note: For depths greater than 8'. For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 38.83	381.59 20.32 38.83	99.88
33 05 61 00-0008	VLF		Drop Collar For 3' Diameter, Precast Concrete Manhole.....	408.26	99.88
33 05 61 00-0009	EA		Drop Base For 3' Diameter, Precast Concrete Manhole.....	630.23	99.88
33 05 61 00-0010	EA		Extended Base Slab For 3' Diameter, Precast Concrete Manhole .....	511.03	99.88
33 05 61 00-0011	EA		Precast Channel For 3' Diameter, Precast Concrete Manhole .....	714.06	99.88
<b>33 05 61 00-0012 4' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>					
33 05 61 00-0013	EA		4' Deep, 4' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 155.34	2,821.74 81.29 155.34	449.46
33 05 61 00-0014	EA		6' Deep, 4' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 233.01	3,770.18 121.94 233.01	613.55
33 05 61 00-0015	EA		8' Deep, 4' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 310.68	5,005.15 162.58 310.68	927.46
33 05 61 00-0016	VLF		Riser For 4' Diameter, Precast Concrete Manhole ..... Note: For depths greater than 8'. For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 38.83	540.19 20.32 38.83	117.72
33 05 61 00-0017	VLF		Drop Collar For 4' Diameter, Precast Concrete Manhole.....	585.43	117.72
33 05 61 00-0018	EA		Drop Base For 4' Diameter, Precast Concrete Manhole.....	961.82	117.72
33 05 61 00-0019	EA		Extended Base Slab For 4' Diameter, Precast Concrete Manhole .....	759.69	117.72
33 05 61 00-0020	EA		Precast Channel For 4' Diameter, Precast Concrete Manhole .....	1,103.99	117.72
<b>33 05 61 00-0021 5' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>					
33 05 61 00-0022	EA		4' Deep, 5' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 250.42	5,210.90 104.74 250.42	499.40
33 05 61 00-0023	EA		6' Deep, 5' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 375.63	6,944.18 157.11 375.63	684.89
33 05 61 00-0024	EA		8' Deep, 5' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 500.85	8,995.06 209.48 500.85	1,027.33
33 05 61 00-0025	VLF		Riser For 5' Diameter, Precast Concrete Manhole ..... Note: For depths greater than 8'. For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 62.61	940.23 26.18 62.61	128.42
<b>33 05 61 00-0026 6' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>					
33 05 61 00-0027	EA		4' Deep, 6' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 293.18	6,962.30 119.91 293.18	556.47
33 05 61 00-0028	EA		6' Deep, 6' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 439.77	9,077.34 179.86 439.77	756.24
33 05 61 00-0029	EA		8' Deep, 6' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 586.36	11,547.98 239.82 586.36	1,141.49
33 05 61 00-0030	VLF		Riser For 6' Diameter, Precast Concrete Manhole ..... Note: For depths greater than 8'. For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 73.30	1,138.71 29.98 73.30	142.69
<b>33 05 61 00-0031 7' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>					
33 05 61 00-0032	EA		4' Deep, 7' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 512.31	10,909.51 254.99 512.31	613.55
33 05 61 00-0033	EA		6' Deep, 7' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 768.47	14,118.62 382.49 768.47	836.85
33 05 61 00-0034	EA		8' Deep, 7' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 1,024.62	17,718.69 509.98 1,024.62	1,255.63
33 05 61 00-0035	VLF		Riser For 7' Diameter, Precast Concrete Manhole ..... Note: For depths greater than 8'. For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 128.08	1,695.16 63.75 128.08	156.95
<b>33 05 61 00-0036 8' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>					
33 05 61 00-0037	EA		4' Deep, 8' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 624.46	15,742.19 301.46 624.46	706.30
33 05 61 00-0038	EA		6' Deep, 8' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 936.69	20,423.99 452.18 936.69	963.13
33 05 61 00-0039	EA		8' Deep, 8' Diameter, Precast Concrete Manhole ..... For Bitumastic Coating, Add ..... For Epoxy Coating, Add ..... 1,248.92	25,555.25 602.91 1,248.92	1,444.69



**33 Utilities****33 05 Common Work Results for Utilities****33 05 61 Concrete Manholes**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 61 00-0040	VLF		Riser For 8' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	2,440.79 75.36 156.12	178.36
<b>33 05 61 00-0041</b>			<b>10' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>		
33 05 61 00-0042	EA		4' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	24,291.52 533.00 1,056.34	811.88
33 05 61 00-0043	EA		6' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	30,727.46 799.50 1,584.52	1,107.25
33 05 61 00-0044	EA		8' Deep, 10' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	37,678.50 1,066.00 2,112.69	1,660.86
33 05 61 00-0045	VLF		Riser For 10' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	3,331.76 133.25 264.09	205.47
<b>33 05 61 00-0046</b>			<b>12' Diameter, Precast Concrete Manholes (33 05 61 00-0002)</b>		
33 05 61 00-0047	EA		4' Deep, 12' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	34,463.81 639.12 1,278.32	933.16
33 05 61 00-0048	EA		6' Deep, 12' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	43,531.95 958.67 1,917.48	1,274.18
33 05 61 00-0049	EA		8' Deep, 12' Diameter, Precast Concrete Manhole..... For Bitumastic Coating, Add For Epoxy Coating, Add	53,193.66 1,278.23 2,556.64	1,910.57
33 05 61 00-0050	VLF		Riser For 12' Diameter, Precast Concrete Manhole..... Note: For depths greater than 8'. For Bitumastic Coating, Add For Epoxy Coating, Add	4,666.05 159.78 319.58	235.44
<b>33 05 63 Concrete Vaults and Chambers (33 05)</b>					
33 05 63 00-0001			<b>Underground Utility Vaults And Structures (33 05 63)</b> See CSI section 33 05 61 00-0001 for manholes, 33 05 81 00-0006 for frames and covers.		
33 05 63 00-0002			<b>Precast Concrete Underground Utility Vault (33 05 63 00-0001)</b> Note: Sizes given are for inside dimensions.		
33 05 63 00-0003			<b>6' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)</b>		
33 05 63 00-0004	EA		4' x 4' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,004.79	
33 05 63 00-0005	EA		4' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,220.33	
33 05 63 00-0006	EA		5' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,612.47	
33 05 63 00-0007	EA		5' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,944.37	
33 05 63 00-0008	EA		6' x 6' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,671.40	
33 05 63 00-0009	EA		6' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,121.03	
33 05 63 00-0010	EA		6' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,572.10	
33 05 63 00-0011	EA		6' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,829.91	
33 05 63 00-0012	EA		6' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	13,829.91	
33 05 63 00-0013	EA		6' x 16' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,414.00	
33 05 63 00-0014	EA		8' x 8' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,807.66	
33 05 63 00-0015	EA		8' x 10' x 6' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,492.87	
33 05 63 00-0016	EA		8' x 12' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,428.12	
33 05 63 00-0017	EA		8' x 14' x 6' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,489.87	
33 05 63 00-0018			<b>7' High Precast Concrete Underground Utility Vault (33 05 63 00-0002)</b>		
33 05 63 00-0019	EA		4' x 4' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,111.68	
33 05 63 00-0020	EA		4' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	5,338.79	
33 05 63 00-0021	EA		4' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,040.70	
33 05 63 00-0022	EA		5' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,368.56	
33 05 63 00-0023	EA		5' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,802.20	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0024 EA 6' x 6' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,785.58	
33 05 63 00-0025 EA 6' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,827.68	
33 05 63 00-0026 EA 6' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,679.15	
33 05 63 00-0027 EA 6' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	15,039.61	
33 05 63 00-0028 EA 6' x 16' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,892.68	
33 05 63 00-0029 EA 8' x 8' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,614.59	
33 05 63 00-0030 EA 8' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	12,400.15	
33 05 63 00-0031 EA 8' x 12' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	17,773.14	
33 05 63 00-0032 EA 8' x 14' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,967.11	
33 05 63 00-0033 EA 10' x 10' x 7' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	18,040.99	
<b>33 05 63 00-0034 8' High Precast Concrete Underground Utility Vault</b> (33 05 63 00-0002)		
33 05 63 00-0035 EA 4' x 4' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	4,811.74	
33 05 63 00-0036 EA 4' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	6,229.38	
33 05 63 00-0037 EA 5' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,124.63	
33 05 63 00-0038 EA 5' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,658.60	
33 05 63 00-0039 EA 6' x 6' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	7,881.12	
33 05 63 00-0040 EA 6' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,532.87	
33 05 63 00-0041 EA 6' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,184.64	
33 05 63 00-0042 EA 6' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	16,249.27	
33 05 63 00-0043 EA 6' x 16' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	20,371.43	
33 05 63 00-0044 EA 8' x 8' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	11,420.13	
33 05 63 00-0045 EA 8' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	13,307.40	
33 05 63 00-0046 EA 8' x 12' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,116.61	
33 05 63 00-0047 EA 8' x 14' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	21,445.85	
33 05 63 00-0048 EA 10' x 10' x 8' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	19,385.59	
<b>33 05 63 00-0049 10' High Precast Concrete Underground Utility Vault</b> (33 05 63 00-0002)		
33 05 63 00-0050 EA 6' x 6' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	8,485.99	
33 05 63 00-0051 EA 6' x 8' x 10' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,238.05	
33 05 63 00-0052 EA 10' x 10' x 10' Precast Concrete Underground Utility Vault..... Note: 8" thick walls and top.	20,729.00	
<b>33 05 63 00-0053 12' High Precast Concrete Underground Utility Vault</b> (33 05 63 00-0002)		
33 05 63 00-0054 EA 6' x 6' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	9,090.85	
33 05 63 00-0055 EA 6' x 8' x 12' Precast Concrete Underground Utility Vault..... Note: 6" thick walls and 8" thick top.	10,944.68	
<b>33 05 63 00-0056 Meter Pit</b> (33 05 63 00-0001)		
<b>33 05 63 00-0057 Precast Concrete Meter Pit</b> (33 05 63 00-0056)		
33 05 63 00-0058 EA 4' x 4' x 4' Deep Precast Concrete Meter Pit.....	3,919.72	
33 05 63 00-0059 EA 4' x 4' x 6' Deep Precast Concrete Meter Pit.....	5,279.74	
33 05 63 00-0060 EA 4' x 4' x 8' Deep Precast Concrete Meter Pit.....	6,577.93	
33 05 63 00-0061 EA 4' x 4' x 10' Deep Precast Concrete Meter Pit.....	8,120.53	
33 05 63 00-0062 EA 4' x 4' x 15' Deep Precast Concrete Meter Pit.....	11,122.50	
33 05 63 00-0063 EA 6' x 6' x 4' Deep Precast Concrete Meter Pit.....	5,910.94	
33 05 63 00-0064 EA 6' x 6' x 6' Deep Precast Concrete Meter Pit.....	8,120.53	
33 05 63 00-0065 EA 6' x 6' x 8' Deep Precast Concrete Meter Pit.....	10,413.74	
33 05 63 00-0066 EA 6' x 6' x 10' Deep Precast Concrete Meter Pit.....	12,993.45	
33 05 63 00-0067 EA 6' x 6' x 15' Deep Precast Concrete Meter Pit.....	18,266.37	
<b>33 05 63 00-0068 Handhole Or Pull Box Enclosures</b> (33 05 63 00-0001)		
<b>33 05 63 00-0069 Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0068)		

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 05 63 00-0070		<b>Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0069) Note: Excludes cover See CSI section 33 05 63 00-0290 for covers.			
33 05 63 00-0071		<b>Flared Sides, Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0070)			
33 05 63 00-0072		<b>Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0071)			
33 05 63 00-0073	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	436.11		33.29
33 05 63 00-0074	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	379.79		73.90
33 05 63 00-0075	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	579.71		110.85
33 05 63 00-0076	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	672.55		110.85
33 05 63 00-0077	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	641.88		110.85
33 05 63 00-0078	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	775.77		110.85
33 05 63 00-0079	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	755.56		110.85
33 05 63 00-0080	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,026.68		110.85
33 05 63 00-0081	EA	27" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,457.53		147.80
33 05 63 00-0082	EA	27" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,041.00		147.80
33 05 63 00-0083	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,328.21		203.23
33 05 63 00-0084	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,510.93		203.23
33 05 63 00-0085	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,461.46		203.23
33 05 63 00-0086	EA	39" Round, 18" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,418.71		221.71
33 05 63 00-0087	EA	39" Round, 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,017.23		221.71
33 05 63 00-0088	EA	39" Round, 36" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,506.67		221.71
33 05 63 00-0089	EA	39" Round, 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,664.31		221.71
33 05 63 00-0090	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,015.96		320.00
33 05 63 00-0091	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,916.77		320.00
33 05 63 00-0092		<b>Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0071)			
33 05 63 00-0093	EA	12" x 12", 24" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	557.39		33.29
33 05 63 00-0094	EA	13" x 24", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	724.16		110.85
33 05 63 00-0095	EA	17" x 30", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	873.59		110.85
33 05 63 00-0096	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	806.71		110.85
33 05 63 00-0097	EA	13" x 24", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	921.14		110.85
33 05 63 00-0098	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	951.15		110.85
33 05 63 00-0099	EA	17" x 30", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,223.96		110.85
33 05 63 00-0100	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,635.37		203.23
33 05 63 00-0101	EA	24" x 36", 26" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	1,818.09		203.23
33 05 63 00-0102	EA	24" x 36", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,768.65		203.23
33 05 63 00-0103	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	2,374.90		320.00
33 05 63 00-0104	EA	30" x 48", 48" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure.....	3,282.55		320.00
33 05 63 00-0105		<b>Straight Sides, Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0070)			
33 05 63 00-0106		<b>Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> (33 05 63 00-0105)			
33 05 63 00-0107	EA	5" x 16", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	713.47		33.29
33 05 63 00-0108	EA	10" x 12", 15" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	603.69		33.29
33 05 63 00-0109	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	498.70		110.85
33 05 63 00-0110	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	563.48		110.85
33 05 63 00-0111	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	170.09		33.29
33 05 63 00-0112	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure.....	261.89		33.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0113	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	421.21	33.29
33 05 63 00-0114	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	440.49	33.29
33 05 63 00-0115	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	373.07	73.90
33 05 63 00-0116	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	402.64	73.90
33 05 63 00-0117	EA		8" x 8", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	257.94	33.29
33 05 63 00-0118	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	294.07	33.29
33 05 63 00-0119	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	399.57	73.90
33 05 63 00-0120	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	449.29	73.90
33 05 63 00-0121	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	417.11	73.90
33 05 63 00-0122	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	501.72	110.85
33 05 63 00-0123	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	550.49	110.85
33 05 63 00-0124	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	586.76	110.85
33 05 63 00-0125	EA		17" x 30", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	641.38	110.85
33 05 63 00-0126	EA		17" x 30", 22" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	750.31	110.85
33 05 63 00-0127	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	816.39	110.85
33 05 63 00-0128	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	888.70	110.85
33 05 63 00-0129	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	934.16	110.85
33 05 63 00-0130	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,114.79	147.80
33 05 63 00-0131	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,130.27	203.23
33 05 63 00-0132	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,446.94	203.23
33 05 63 00-0133	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,739.34	203.23
33 05 63 00-0134	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,924.00	203.23
33 05 63 00-0135	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,107.68	203.23
33 05 63 00-0136	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,367.39	320.00
33 05 63 00-0137	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,720.05	320.00
33 05 63 00-0138	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,954.58	320.00
33 05 63 00-0139	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,403.05	320.00
33 05 63 00-0140	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,398.44	320.00
33 05 63 00-0141	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,565.85	320.00
33 05 63 00-0142	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,887.80	320.00
33 05 63 00-0143	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,654.23	342.85
33 05 63 00-0144	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,881.54	342.85
33 05 63 00-0145	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,171.74	342.85
33 05 63 00-0146	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,287.86	342.85
33 05 63 00-0147	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,328.22	342.85
33 05 63 00-0148	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,770.40	342.85
33 05 63 00-0149	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,911.66	342.85
33 05 63 00-0150	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,843.38	342.85
33 05 63 00-0151	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	4,326.84	365.71
33 05 63 00-0152	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	5,340.58	365.71
33 05 63 00-0153	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	6,851.36	365.71
<b>33 05 63 00-0154</b>			<b>Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b> <small>(33 05 63 00-0105)</small>		
33 05 63 00-0155	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	666.87	110.85
33 05 63 00-0156	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	762.95	110.85
33 05 63 00-0157	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	285.26	33.29

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 63 00-0158	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	410.71	33.29
33 05 63 00-0159	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	549.39	33.29
33 05 63 00-0160	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	568.70	33.29
33 05 63 00-0161	EA	10" x 15", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Flared Sides, Polymer Concrete Handhole Enclosure .....	499.34	73.90
33 05 63 00-0162	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	519.92	73.90
33 05 63 00-0163	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	547.44	73.90
33 05 63 00-0164	EA	8" x 8", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	383.52	33.29
33 05 63 00-0165	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	452.58	33.29
33 05 63 00-0166	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	546.77	73.90
33 05 63 00-0167	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	596.49	73.90
33 05 63 00-0168	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	565.88	73.90
33 05 63 00-0169	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	665.94	110.85
33 05 63 00-0170	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	715.32	110.85
33 05 63 00-0171	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	782.73	110.85
33 05 63 00-0172	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	837.00	110.85
33 05 63 00-0173	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	945.62	110.85
33 05 63 00-0174	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,011.98	110.85
33 05 63 00-0175	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,083.97	110.85
33 05 63 00-0176	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,129.75	110.85
33 05 63 00-0177	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,384.98	147.80
33 05 63 00-0178	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,437.46	203.23
33 05 63 00-0179	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,753.75	203.23
33 05 63 00-0180	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,045.84	203.23
33 05 63 00-0181	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,230.21	203.23
33 05 63 00-0182	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,414.49	203.23
33 05 63 00-0183	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,075.60	320.00
33 05 63 00-0184	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,310.48	320.00
33 05 63 00-0185	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Open Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,758.60	320.00

**33 05 63 00-0186 Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures** (33 05 63 00-0186)

33 05 63 00-0187	EA	13" x 24", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	613.17	110.85
33 05 63 00-0188	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	711.93	110.85
33 05 63 00-0189	EA	6" x 8", 6" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	211.84	33.29
33 05 63 00-0190	EA	12" x 12", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	346.26	33.29
33 05 63 00-0191	EA	8" x 18", 7" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	495.75	33.29
33 05 63 00-0192	EA	8" x 18", 8" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	515.41	33.29
33 05 63 00-0193	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	464.02	73.90
33 05 63 00-0194	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	521.25	73.90
33 05 63 00-0195	EA	8" x 8", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	303.46	33.29
33 05 63 00-0196	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	492.15	73.90
33 05 63 00-0197	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	563.44	73.90
33 05 63 00-0198	EA	11" x 20", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	510.67	73.90
33 05 63 00-0199	EA	13" x 24", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	658.37	110.85
33 05 63 00-0200	EA	13" x 24", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	755.85	110.85
33 05 63 00-0201	EA	17" x 30", 12" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	788.27	110.85
33 05 63 00-0202	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	865.45	110.85
33 05 63 00-0203	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	936.45	110.85



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0204	EA		17" x 30", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,003.49	110.85
33 05 63 00-0205	EA		17" x 30", 28" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,123.52	110.85
33 05 63 00-0206	EA		17" x 30", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,140.25	110.85
33 05 63 00-0207	EA		24" x 24", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,405.92	147.80
33 05 63 00-0208	EA		24" x 36", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,464.60	203.23
33 05 63 00-0209	EA		24" x 36", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	1,813.91	203.23
33 05 63 00-0210	EA		24" x 36", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,159.38	203.23
33 05 63 00-0211	EA		24" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,388.83	203.23
33 05 63 00-0212	EA		24" x 36", 42" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,618.29	203.23
33 05 63 00-0213	EA		36" x 36", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,794.90	320.00
33 05 63 00-0214	EA		30" x 48", 18" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,147.59	320.00
33 05 63 00-0215	EA		30" x 48", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,400.41	320.00
33 05 63 00-0216	EA		30" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	2,848.57	320.00
33 05 63 00-0217	EA		30" x 60", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,046.25	320.00
33 05 63 00-0218	EA		30" x 60", 30" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,108.15	320.00
33 05 63 00-0219	EA		30" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,708.67	320.00
33 05 63 00-0220	EA		36" x 60", 19" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,440.08	342.85
33 05 63 00-0221	EA		36" x 60", 24" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,557.53	342.85
33 05 63 00-0222	EA		36" x 60", 31" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,890.70	342.85
33 05 63 00-0223	EA		36" x 60", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,142.86	342.85
33 05 63 00-0224	EA		36" x 72", 21" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	3,805.80	342.85
33 05 63 00-0225	EA		36" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,707.63	342.85
33 05 63 00-0226	EA		48" x 48", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,086.58	342.85
33 05 63 00-0227	EA		48" x 48", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	4,491.22	342.85
33 05 63 00-0228	EA		48" x 72", 36" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	5,439.86	365.71
33 05 63 00-0229	EA		48" x 72", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	6,454.00	365.71
33 05 63 00-0230	EA		48" x 96", 48" Depth, 22,500 LB Design Load, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	8,704.56	365.71
<b>33 05 63 00-0231</b>			<b>Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosures</b>		
			<small>(33 05 63 00-0105)</small>		
33 05 63 00-0232	EA		13" x 24", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	781.31	110.85
33 05 63 00-0233	EA		17" x 30", 12" Depth, 5,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	911.78	110.85
33 05 63 00-0234	EA		6" x 8", 6" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	326.08	33.29
33 05 63 00-0235	EA		12" x 12", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	494.79	33.29
33 05 63 00-0236	EA		8" x 18", 7" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	623.67	33.29
33 05 63 00-0237	EA		8" x 18", 8" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	643.59	33.29
33 05 63 00-0238	EA		11" x 18", 12" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	611.22	73.90
33 05 63 00-0239	EA		11" x 18", 18" Depth, 15,000 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	668.11	73.90
33 05 63 00-0240	EA		8" x 8", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	466.70	33.29
33 05 63 00-0241	EA		11" x 18", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	638.68	73.90
33 05 63 00-0242	EA		11" x 18", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	709.98	73.90
33 05 63 00-0243	EA		11" x 20", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	617.43	73.90
33 05 63 00-0244	EA		13" x 24", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	823.26	110.85
33 05 63 00-0245	EA		13" x 24", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	920.74	110.85
33 05 63 00-0246	EA		17" x 30", 12" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure	983.86	110.85

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 63 00-0247	EA	17" x 30", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,061.07	110.85
33 05 63 00-0248	EA	17" x 30", 22" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,132.05	110.85
33 05 63 00-0249	EA	17" x 30", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,199.11	110.85
33 05 63 00-0250	EA	17" x 30", 28" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,319.17	110.85
33 05 63 00-0251	EA	17" x 30", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,335.84	110.85
33 05 63 00-0252	EA	24" x 24", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,675.76	147.80
33 05 63 00-0253	EA	24" x 36", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	1,771.76	203.23
33 05 63 00-0254	EA	24" x 36", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,120.76	203.23
33 05 63 00-0255	EA	24" x 36", 30" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,465.84	203.23
33 05 63 00-0256	EA	24" x 36", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,695.47	203.23
33 05 63 00-0257	EA	24" x 36", 42" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,925.10	203.23
33 05 63 00-0258	EA	30" x 48", 18" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,503.46	320.00
33 05 63 00-0259	EA	30" x 48", 24" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	2,756.63	320.00
33 05 63 00-0260	EA	30" x 48", 36" Depth, 22,500 LB Design Load, Gasketed, Solid Bottom, Straight Sides, Polymer Concrete Handhole Enclosure .....	3,204.47	320.00

**33 05 63 00-0261 Footed, Straight Sides, Polymer Concrete Handhole Enclosures (33 05 63 00-0105)**

33 05 63 00-0262	EA	17" x 30", 12" Depth, 5,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	654.17	110.85
33 05 63 00-0263	EA	11" x 18", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	441.75	73.90
33 05 63 00-0264	EA	11" x 18", 18" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	496.73	73.90
33 05 63 00-0265	EA	13" x 24", 12" Depth, 15,000 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	582.82	110.85
33 05 63 00-0266	EA	11" x 18", 12" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	459.76	73.90
33 05 63 00-0267	EA	11" x 18", 18" Depth, 22,500 LB Design Load, Footed, Straight Sides, Polymer Concrete Handhole Enclosure .....	512.41	73.90

**33 05 63 00-0268 Polymer Concrete Handhole Enclosure Extensions (33 05 63 00-0069)**

Note: Excludes bases See CSI section 33 05 63 00-0070 for bases.

33 05 63 00-0269	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	480.47	110.85
33 05 63 00-0270	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	537.76	110.85
33 05 63 00-0271	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	618.94	147.80
33 05 63 00-0272	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	675.19	147.80
33 05 63 00-0273	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	802.26	203.23
33 05 63 00-0274	EA	36" x 36", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,386.39	320.00
33 05 63 00-0275	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,324.89	320.00
33 05 63 00-0276	EA	30" x 48", 11" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,338.31	320.00
33 05 63 00-0277	EA	36" x 60", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	1,804.59	342.85
33 05 63 00-0278	EA	48" x 72", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	2,862.86	365.71
33 05 63 00-0279	EA	48" x 96", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Extension .....	3,756.16	365.71
33 05 63 00-0280	EA	13" x 24", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	781.08	110.85
33 05 63 00-0281	EA	17" x 30", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	816.07	110.85
33 05 63 00-0282	EA	24" x 24", 6" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	875.36	147.80
33 05 63 00-0283	EA	24" x 24", 12" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	932.22	147.80
33 05 63 00-0284	EA	24" x 36", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	1,083.50	203.23
33 05 63 00-0285	EA	30" x 48", 8" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Solid Base Extension .....	1,722.34	320.00
33 05 63 00-0286	EA	13" x 24", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	609.98	110.85
33 05 63 00-0287	EA	17" x 30", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	679.02	110.85
33 05 63 00-0288	EA	24" x 36", 4" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	901.31	203.23
33 05 63 00-0289	EA	36" x 60", 3" Extension, 22,500 LB Design Load, Straight Sides, Polymer Concrete Handhole Enclosure Grade Adjustable Extension .....	1,738.75	342.85

**33 05 63 00-0290 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0069)**
**33 05 63 00-0291 Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 05 63 00-0292	EA	5" x 16", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	169.16	14.80
33 05 63 00-0293	EA	10" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	171.36	14.80
33 05 63 00-0294	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	158.75	14.80
33 05 63 00-0295	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	171.79	14.80
33 05 63 00-0296	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	173.46	14.78
33 05 63 00-0297	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	199.14	14.78
33 05 63 00-0298	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	230.92	14.78
33 05 63 00-0299	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,514.81	41.15
33 05 63 00-0300	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,325.34	41.15
33 05 63 00-0301	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,985.29	41.15
33 05 63 00-0302	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	2,007.79	41.15
33 05 63 00-0303	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	2,274.82	41.15
33 05 63 00-0304	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	2,478.80	41.15
33 05 63 00-0305	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	3,984.73	41.15
33 05 63 00-0306	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	144.72	14.78
33 05 63 00-0307	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	207.78	14.78
33 05 63 00-0308	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	210.71	14.78
33 05 63 00-0309	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	265.37	14.78
33 05 63 00-0310	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	.....	199.96	14.78
33 05 63 00-0311	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	314.10	14.78
33 05 63 00-0312	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover	.....	246.40	14.78
33 05 63 00-0313	EA	27" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	506.71	14.78
33 05 63 00-0314	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	443.39	22.17
33 05 63 00-0315	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	556.05	22.17
33 05 63 00-0316	EA	39" Round, 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	716.86	25.86
33 05 63 00-0317	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,004.21	32.00
33 05 63 00-0318	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,043.23	60.95
33 05 63 00-0319	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	268.64	14.78
33 05 63 00-0320	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	383.46	14.78
33 05 63 00-0321	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	436.46	14.78
33 05 63 00-0322	EA	27" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	726.40	14.78
33 05 63 00-0323	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	598.27	22.17
33 05 63 00-0324	EA	39" Round, 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,011.87	25.86
33 05 63 00-0325	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,323.78	32.00
33 05 63 00-0326	EA	30" x 59", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,786.45	41.15
33 05 63 00-0327	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,587.93	41.15
33 05 63 00-0328	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	2,219.21	41.15
33 05 63 00-0329	EA	48" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	2,890.59	41.15
33 05 63 00-0330	EA	36" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	2,768.12	41.15
33 05 63 00-0331	EA	48" x 72", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	4,203.38	41.15
33 05 63 00-0332	EA	48" x 96", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	6,494.18	41.15
33 05 63 00-0333	EA	11" x 18", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	353.71	14.78
33 05 63 00-0334	EA	11" x 20", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	386.88	14.78
33 05 63 00-0335	EA	13" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	509.73	14.78
33 05 63 00-0336	EA	17" x 30", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	581.02	14.78
33 05 63 00-0337	EA	27" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,005.00	14.78
33 05 63 00-0338	EA	24" x 24", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	729.55	22.17
33 05 63 00-0339	EA	24" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	997.98	22.17
33 05 63 00-0340	EA	39" Round, 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,547.88	25.86
33 05 63 00-0341	EA	36" x 36", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,768.63	32.00
33 05 63 00-0342	EA	30" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	1,839.72	60.95
33 05 63 00-0343	EA	30" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	2,128.23	41.15
33 05 63 00-0344	EA	36" x 60", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	2,972.27	41.15
33 05 63 00-0345	EA	48" x 48", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	4,159.45	41.15
33 05 63 00-0346	EA	36" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	3,711.41	41.15
33 05 63 00-0347	EA	48" x 72", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	6,152.43	41.15
33 05 63 00-0348	EA	48" x 96", 22,500 LB Design Load, Extra Heavy Duty, Polymer Concrete Handhole Enclosure Cover	.....	9,497.88	41.15
<b>33 05 63 00-0349 Polymer Concrete Handhole Enclosure Covers With Gaskets (33 05 63 00-0290)</b>					
33 05 63 00-0350	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	194.41	14.80
33 05 63 00-0351	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	205.51	14.80
33 05 63 00-0352	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	209.12	14.78
33 05 63 00-0353	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	210.48	14.78
33 05 63 00-0354	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	243.04	14.78
33 05 63 00-0355	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	154.96	14.78
33 05 63 00-0356	EA	11" x 18", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	218.28	14.78
33 05 63 00-0357	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	220.31	14.78
33 05 63 00-0358	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	276.18	14.78
33 05 63 00-0359	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	211.73	14.78
33 05 63 00-0360	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	258.84	14.78
33 05 63 00-0361	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	325.56	14.78
33 05 63 00-0362	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	451.07	22.17
33 05 63 00-0363	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	567.86	22.17
33 05 63 00-0364	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	1,055.35	60.95
33 05 63 00-0365	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	128.94	14.80
33 05 63 00-0366	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	202.03	14.80
33 05 63 00-0367	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	224.82	14.80
33 05 63 00-0368	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	214.70	14.80
33 05 63 00-0369	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	176.73	14.78
33 05 63 00-0370	EA	11" x 18", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	279.11	14.78
33 05 63 00-0371	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	302.77	14.78
33 05 63 00-0372	EA	13" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket	.....	394.59	14.78

**33 Utilities****33 05 Common Work Results for Utilities****33 05 63 Concrete Vaults and Chambers**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 05 63 00-0373	EA	17" x 30", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	448.55	14.78
33 05 63 00-0374	EA	24" x 24", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	609.08	22.17
33 05 63 00-0375	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	760.81	22.17
33 05 63 00-0376	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Polymer Concrete Handhole Enclosure Cover With Gasket .....	1,390.61	60.95

**33 05 63 00-0377 Polymer Concrete Handhole Enclosure Covers Without Bolts (33 05 63 00-0290)**

33 05 63 00-0378	EA	6" x 9", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	103.80	14.80
33 05 63 00-0379	EA	7" x 13", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	123.46	14.80
33 05 63 00-0380	EA	12" x 12", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	149.93	14.80
33 05 63 00-0381	EA	8" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	161.70	14.80
33 05 63 00-0382	EA	11" x 18", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	161.36	14.78
33 05 63 00-0383	EA	13" x 24", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	191.52	14.78
33 05 63 00-0384	EA	17" x 30", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	221.15	14.78
33 05 63 00-0385	EA	24" x 36", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	536.75	22.17
33 05 63 00-0386	EA	30" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	999.10	60.95
33 05 63 00-0387	EA	30" x 59", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	1,498.25	41.15
33 05 63 00-0388	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	1,306.63	41.15
33 05 63 00-0389	EA	48" x 48", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	1,954.53	41.15
33 05 63 00-0390	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	1,886.02	41.15
33 05 63 00-0391	EA	36" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	2,256.96	41.15
33 05 63 00-0392	EA	48" x 72", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	2,412.81	41.15
33 05 63 00-0393	EA	48" x 96", 5,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	3,857.91	41.15
33 05 63 00-0394	EA	10" x 15", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	139.13	14.78
33 05 63 00-0395	EA	10" x 16", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	135.85	14.78
33 05 63 00-0396	EA	11" x 20", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	200.71	14.78
33 05 63 00-0397	EA	11" x 21", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	220.57	14.78
33 05 63 00-0398	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	249.68	14.78
33 05 63 00-0399	EA	13" x 24", 8,000 LB Design Load, Standard Duty, Service Box, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	189.81	14.78
33 05 63 00-0400	EA	18" x 19", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	211.73	14.78
33 05 63 00-0401	EA	17" x 30", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	300.36	14.78
33 05 63 00-0402	EA	24" x 24", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	434.48	22.17
33 05 63 00-0403	EA	20" x 42", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	542.86	22.17
33 05 63 00-0404	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	536.43	22.17
33 05 63 00-0405	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	963.97	32.00
33 05 63 00-0406	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Polymer Concrete Handhole Enclosure Cover Without Bolts .....	999.10	36.58

**33 05 63 00-0407 Overlapping, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)**

33 05 63 00-0408	EA	30" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	1,559.98	41.15
33 05 63 00-0409	EA	36" x 60", 5,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	2,259.25	41.15
33 05 63 00-0410	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	1,308.81	60.95
33 05 63 00-0411	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	1,735.69	60.95
33 05 63 00-0412	EA	30" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	1,853.60	41.15
33 05 63 00-0413	EA	36" x 60", 15,000 LB Design Load, Heavy Duty, Overlapping, Polymer Concrete Handhole Enclosure Cover .....	2,526.61	41.15

**33 05 63 00-0414 Split, Polymer Concrete Handhole Enclosure Covers (33 05 63 00-0290)**

33 05 63 00-0415	EA	24" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	609.29	22.17
33 05 63 00-0416	EA	36" x 36", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	1,130.16	32.00
33 05 63 00-0417	EA	30" x 48", 8,000 LB Design Load, Standard Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	1,181.62	60.95
33 05 63 00-0418	EA	6" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	98.32	14.80
33 05 63 00-0419	EA	8" x 8", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	162.75	14.80
33 05 63 00-0420	EA	12" x 12", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	179.04	14.80
33 05 63 00-0421	EA	8" x 18", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	189.83	14.80
33 05 63 00-0422	EA	10" x 15", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	166.58	14.78
33 05 63 00-0423	EA	11" x 20", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	293.17	14.78
33 05 63 00-0424	EA	24" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	816.25	22.17
33 05 63 00-0425	EA	36" x 36", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	1,503.40	32.00
33 05 63 00-0426	EA	30" x 48", 15,000 LB Design Load, Heavy Duty, Split, Polymer Concrete Handhole Enclosure Cover .....	1,575.44	60.95

**33 05 63 00-0427 Precast Concrete Handholes With Steel Cover (33 05 63 00-0068)**

Note: 8000 To 12000 pound traffic rated top. Includes cover stamped with utility (Electrical, Sewer, Water, Etc.).

33 05 63 00-0428	EA	12" x 12" x 12" Precast Concrete Handholes With Steel Cover .....	1,127.79	308.88
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	18.00	
33 05 63 00-0429	EA	12" x 24" x 21" Precast Concrete Handholes With Steel Cover .....	1,899.45	463.31
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	127.01	
33 05 63 00-0430	EA	18" x 30" x 18" Precast Concrete Handholes With Steel Cover .....	2,298.87	617.75
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	227.34	
33 05 63 00-0431	EA	24" x 24" x 24" Precast Concrete Handholes With Steel Cover .....	2,389.63	617.75
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	289.99	
33 05 63 00-0432	EA	24" x 24" x 30" Precast Concrete Handholes With Steel Cover .....	2,806.34	772.20
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	351.51	
33 05 63 00-0433	EA	30" x 36" x 30" Precast Concrete Handholes With Steel Cover .....	2,957.17	772.20
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	380.04	
33 05 63 00-0434	EA	36" x 36" x 48" Precast Concrete Handholes With Steel Cover .....	3,414.20	926.64
		Note: 8000 To 12000 pound traffic rated top.		
		For 15,000 to 22,500 Pound Traffic Rated Top, Add	446.11	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 63 00-0435	EA		48" x 48" x 48" Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	3,919.12 605.46	1,081.07
33 05 63 00-0436	EA		48" x 72" x 36" Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	3,861.70 635.43	926.64
33 05 63 00-0437	EA		54" x 38" x 24" Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	3,900.18 465.23	926.64
33 05 63 00-0438	EA		6" Diameter Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	881.40 15.00	308.88
33 05 63 00-0439	EA		9" Diameter Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	1,039.68 15.00	347.49
33 05 63 00-0440	EA		12" Diameter Precast Concrete Handholes With Steel Cover ..... Note: 8000 To 12000 pound traffic rated top. For 15,000 to 22,500 Pound Traffic Rated Top, Add	1,279.00 15.00	386.09

**33 05 81 Metallic Castings for Utility Structures (33 05)**

33 05 81 00-0001			Manhole Accessories (33 05 81)		
33 05 81 00-0002			Steps For Cast-In-Place Manholes (33 05 81 00-0001) See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 81 00-0003	EA		Cast Iron Manhole Step For New Manholes .....	108.50	
33 05 81 00-0004	EA		Galvanized Steel Manhole Step For New Manholes.....	74.83	
33 05 81 00-0005	EA		Aluminum Manhole Step For New Manholes.....	104.79	
33 05 81 00-0006			Manhole Covers And Frames (33 05 81) Note: Includes moisture-tight masonry joints and waterproof grouting.		
33 05 81 00-0007			Regular Manhole Covers And Frames, City Type As Manufactured By NEENAH Foundry Company (33 05 81 00-0006)		
33 05 81 00-0008	EA		32" Solid Pattern Lid With Frame, Neenah # R-1557A .....	1,822.61	182.63
33 05 81 00-0009	EA		24-1/2" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy Duty (Syracuse Casting #1032).....	1,044.26	142.69
33 05 81 00-0010	EA		27-1/8" Round Manhole Frame And Parabolic Cover, Straight Side, heavy Duty (Syracuse Casting #1009-8) .....	1,147.61	158.39
33 05 81 00-0011	EA		33" Round Manhole Frame And Parabolic Cover, Straight Side, Heavy Duty (Syracuse Casting #1016A).....	1,511.36	178.36
33 05 81 00-0012			Watertight Type Manhole Covers And Frames (33 05 81 00-0006)		
33 05 81 00-0013	EA		20" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... For Ductile Iron Castings, Add	3,374.91 2,080.16	101.31
33 05 81 00-0014	EA		22" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... For Ductile Iron Castings, Add	3,417.84 2,086.97	101.31
33 05 81 00-0015	EA		24" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... For Ductile Iron Castings, Add	3,476.67 2,100.74	118.43
33 05 81 00-0016	EA		26" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... For Ductile Iron Castings, Add	4,154.96 2,547.48	132.70
33 05 81 00-0017	EA		30" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... For Ductile Iron Castings, Add	4,831.25 3,007.34	135.55
33 05 81 00-0018	EA		32" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... For Ductile Iron Castings, Add	5,091.12 3,184.34	138.40
33 05 81 00-0019	EA		36" Diameter, Gray Iron, Watertight Manhole Cover With Frame ..... For Ductile Iron Castings, Add	5,323.68 3,342.04	142.69
33 05 81 00-0020			Removal And Reinstallation Of Manhole Cover And Frame (33 05 81 00-0006) Note: Includes surrounding asphalt removal and repair. Excludes saw cutting.		
33 05 81 00-0021	EA		Removal And Reinstallation Of Manhole Cover And Frame.....	572.08	

**33 05 83 Non-Metallic Accessories for Utility Structures (33 05)**

33 05 83 00-0001			Manhole Accessories (33 05 83)		
33 05 83 00-0002			Steps For Cast-In-Place Manholes (33 05 83 00-0001) See CSI section 33 01 30 81-0033 for installation of steps in existing manholes.		
33 05 83 00-0003	EA		Polypropylene Manhole Step For New Manholes .....	58.34	
33 05 83 00-0004			Rainguard Inflow Protectors (33 05 83)		
33 05 83 00-0005	EA		18" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	174.09	31.28
33 05 83 00-0006	EA		22" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	198.09	31.28
33 05 83 00-0007	EA		24" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	236.95	37.54
33 05 83 00-0008	EA		26" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	252.12	37.54
33 05 83 00-0009	EA		30" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	310.92	43.80
33 05 83 00-0010	EA		32" Diameter Acrylonitrile Butadiene Styrene (ABS) Rainguard Inflow Protectors .....	329.54	43.80

**33 05 84 Accessories for Utility Structures (33 05)**

See CSI section 22 13 19 26-0044 for oil interceptors, 22 13 23 00-0000 for sediment interceptors, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

33 05 84 00-0001			Manhole Accessories (33 05 84)		
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**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 05 84 00-0002		Precast Concrete Manhole Tops <small>(33 05 84 00-0001)</small>			
33 05 84 00-0003		Precast Concrete Manhole Slab Tops <small>(33 05 84 00-0002)</small>			
33 05 84 00-0004	EA	4' Diameter, Precast Concrete Manhole Slab Top.....	832.78		115.58
33 05 84 00-0005	EA	5' Diameter, Precast Concrete Manhole Slab Top.....	1,109.52		124.14
33 05 84 00-0006	EA	6' Diameter, Precast Concrete Manhole Slab Top.....	1,547.47		132.70
33 05 84 00-0007	EA	7' Diameter, Precast Concrete Manhole Slab Top.....	2,312.27		142.69
33 05 84 00-0008	EA	8' Diameter, Precast Concrete Manhole Slab Top.....	3,132.28		153.39
33 05 84 00-0009	EA	10' Diameter, Precast Concrete Manhole Slab Top.....	5,141.62		164.09
33 05 84 00-0010	EA	12' Diameter, Precast Concrete Manhole Slab Top.....	7,255.01		176.58
33 05 84 00-0011		Precast Concrete Manhole Cone Tops <small>(33 05 84 00-0002)</small>			
33 05 84 00-0012	EA	4' Diameter, Precast Concrete Manhole Cone Top.....	946.93		144.47
33 05 84 00-0013	EA	5' Diameter, Precast Concrete Manhole Cone Top.....	1,832.45		155.17
33 05 84 00-0014	EA	6' Diameter, Precast Concrete Manhole Cone Top.....	2,690.10		171.22
33 05 84 00-0015		Precast Concrete Manhole Reducer Slabs <small>(33 05 84 00-0002)</small>			
33 05 84 00-0016	EA	5' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,421.80		124.14
33 05 84 00-0017	EA	6' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	1,810.74		132.70
33 05 84 00-0018	EA	7' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	2,358.58		132.70
33 05 84 00-0019	EA	8' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	3,674.90		132.70
33 05 84 00-0020	EA	10' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	4,698.96		132.70
33 05 84 00-0021	EA	12' Diameter To 4' Diameter, Precast Concrete Manhole Reducer Slab.....	6,761.12		132.70
33 05 84 00-0022		Pipe To Manhole Connector <small>(33 05 84 00-0001)</small>			
33 05 84 00-0023		Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connectors <small>(33 05 84 00-0022)</small>			
33 05 84 00-0024	EA	4" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	135.43		
33 05 84 00-0025	EA	6" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	208.82		
33 05 84 00-0026	EA	8" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	234.96		
33 05 84 00-0027	EA	10" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	370.08		
33 05 84 00-0028	EA	12" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	523.23		
33 05 84 00-0029	EA	15" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	686.94		
33 05 84 00-0030	EA	18" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,271.76		
33 05 84 00-0031	EA	21" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	1,774.45		
33 05 84 00-0032	EA	24" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	2,839.90		
33 05 84 00-0033	EA	27" Ethylene Propylene Diene Monomer (EPDM) Pipe To Manhole Boot Connector.....	3,331.42		
33 05 84 00-0034		Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout <small>(33 05 84 00-0022)</small>			
		Note: Feroco CMA.			
33 05 84 00-0035	EA	4" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	137.77		
33 05 84 00-0036	EA	6" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	190.33		
33 05 84 00-0037	EA	8" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	240.19		
33 05 84 00-0038	EA	10" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	289.81		
33 05 84 00-0039	EA	12" Elastomeric Polyvinyl Chloride (PVC) Flexible Manhole Adapter And Grout.....	336.42		
33 05 84 00-0040		Brick And Grout Pipe To Manhole Connector <small>(33 05 84 00-0022)</small>			
33 05 84 00-0041	EA	Seal Gap Between Pipe And Structure With Brick And Grout.....	342.76		
33 05 84 00-0042		Inverts For Manholes <small>(33 05 84 00-0001)</small>			
33 05 84 00-0043	EA	Single Channel Concrete Invert For Manholes.....	507.29		
33 05 84 00-0044	EA	Double Channel Concrete Invert For Manholes.....	740.18		
33 05 84 00-0045	EA	Triple Channel Concrete Invert For Manholes.....	993.89		
33 05 84 00-0046	EA	Quad Channel Concrete Invert For Manholes.....	1,247.55		
33 05 84 00-0047	EA	Single Channel Brick Invert For Manholes.....	775.61		
33 05 84 00-0048	EA	Double Channel Brick Invert For Manholes.....	1,161.40		
33 05 84 00-0049	EA	Triple Channel Brick Invert For Manholes.....	1,553.92		
33 05 84 00-0050	EA	Quad Channel Brick Invert For Manholes.....	1,941.65		
33 05 84 00-0051		Protective Coating For New Manholes <small>(33 05 84 00-0001)</small>			
33 05 84 00-0052		Polyurethane Protective Coating For New Manholes <small>(33 05 84 00-0051)</small>			
33 05 84 00-0053	VLF	60 Mil Polyurethane Coating Of 3' Diameter Manhole Interior.....	244.75		
		For 80 Mil Material, Add	34.55		
		For 100 Mil Material, Add	69.11		
		For 125 Mil Material, Add	108.89		
		For 150 Mil Material, Add	148.67		
		For 200 Mil Material, Add	219.12		
		For 2 To 5 Manholes, Deduct	-16.79		
		For 6 To 10 Manholes, Deduct	-27.46		
		For >10 Manholes, Deduct	-54.92		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 05 84 00-0054			VLF 60 Mil Polyurethane Coating Of 3-1/2' Diameter Manhole Interior .....	295.72	
			For 80 Mil Material, Add	41.09	
			For 100 Mil Material, Add	82.18	
			For 125 Mil Material, Add	129.38	
			For 150 Mil Material, Add	176.57	
			For 200 Mil Material, Add	259.83	
			For 2 To 5 Manholes, Deduct	-20.35	
			For 6 To 10 Manholes, Deduct	-33.30	
			For >10 Manholes, Deduct	-66.61	
33 05 84 00-0055			VLF 60 Mil Polyurethane Coating Of 4' Diameter Manhole Interior .....	326.33	
			For 80 Mil Material, Add	46.07	
			For 100 Mil Material, Add	92.14	
			For 125 Mil Material, Add	145.18	
			For 150 Mil Material, Add	198.22	
			For 200 Mil Material, Add	292.16	
			For 2 To 5 Manholes, Deduct	-22.38	
			For 6 To 10 Manholes, Deduct	-36.61	
			For >10 Manholes, Deduct	-73.22	
33 05 84 00-0056			VLF 60 Mil Polyurethane Coating Of 5' Diameter Manhole Interior .....	407.98	
			For 80 Mil Material, Add	57.61	
			For 100 Mil Material, Add	115.22	
			For 125 Mil Material, Add	181.54	
			For 150 Mil Material, Add	247.87	
			For 200 Mil Material, Add	365.34	
			For 2 To 5 Manholes, Deduct	-27.98	
			For 6 To 10 Manholes, Deduct	-45.77	
			For >10 Manholes, Deduct	-91.54	
33 05 84 00-0057			VLF 60 Mil Polyurethane Coating Of 6' Diameter Manhole Interior .....	473.38	
			For 80 Mil Material, Add	67.91	
			For 100 Mil Material, Add	135.83	
			For 125 Mil Material, Add	214.20	
			For 150 Mil Material, Add	292.57	
			For 200 Mil Material, Add	431.91	
			For 2 To 5 Manholes, Deduct	-32.37	
			For 6 To 10 Manholes, Deduct	-52.90	
			For >10 Manholes, Deduct	-105.80	
<b>33 05 84 00-0058</b>			<b>Polyvinyl Chloride (PVC) Liner</b> (33 05 84 00-0051)		
			Note: For new manholes and shop applied.		
33 05 84 00-0059	VLF		3' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	294.79	
33 05 84 00-0060	VLF		3-1/2' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	361.35	
33 05 84 00-0061	VLF		4' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	440.97	
33 05 84 00-0062	VLF		5' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	553.78	
33 05 84 00-0063	VLF		6' Diameter Polyvinyl Chloride (PVC) Liner For New Manhole .....	666.58	
33 05 84 00-0064	SF		Polyvinyl Chloride (PVC) Liner At Structures .....	80.46	
<b>33 05 84 00-0065</b>			<b>Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0001)		
<b>33 05 84 00-0066</b>			<b>18" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0065)		
33 05 84 00-0067	EA		4" Rise, 18" Diameter, Concrete Grade Extensions/Grade Rings .....	109.94	
33 05 84 00-0068	EA		6" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	119.08	
33 05 84 00-0069	EA		8" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	128.23	
33 05 84 00-0070	EA		10" Rise, 18" Diameter, Concrete Grade Extensions/Grade Ring .....	137.37	
<b>33 05 84 00-0071</b>			<b>24" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0065)		
33 05 84 00-0072	EA		4" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	123.30	
33 05 84 00-0073	EA		6" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	133.70	
33 05 84 00-0074	EA		8" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	144.09	
33 05 84 00-0075	EA		10" Rise, 24" Diameter, Concrete Grade Extensions/Grade Ring .....	154.48	
<b>33 05 84 00-0076</b>			<b>30" Diameter, Concrete Grade Extensions/Grade Rings</b> (33 05 84 00-0065)		
33 05 84 00-0077	EA		4" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	136.42	
33 05 84 00-0078	EA		6" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	148.01	
33 05 84 00-0079	EA		8" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	159.60	
33 05 84 00-0080	EA		10" Rise, 30" Diameter, Concrete Grade Extensions/Grade Ring .....	171.19	
<b>33 05 84 00-0081</b>			<b>Bentonite Collar</b> (33 05 84 00-0001)		
<b>33 05 84 00-0082</b>			<b>Bentonite Collar At Manhole Connections</b> (33 05 84 00-0081)		
33 05 84 00-0083	EA		Up To 12" Pipe, Bentonite Collar At Manhole Connection .....	181.29	
33 05 84 00-0084	EA		>12" To 21", Bentonite Collar At Manhole Connection .....	287.37	
33 05 84 00-0085	EA		>21" To 30" Pipe, Bentonite Collar At Manhole Connection .....	457.44	
33 05 84 00-0086	EA		>30" To 36" Pipe, Bentonite Collar At Manhole Connection .....	1,071.57	
33 05 84 00-0087	EA		>36" To 48" Pipe, Bentonite Collar At Manhole Connection .....	1,658.23	
33 05 84 00-0088	EA		>48" To 60" Pipe, Bentonite Collar At Manhole Connection .....	3,007.28	
<b>33 05 84 00-0089</b>			<b>Waste Water Collection System Taps</b> (33 05 84)		
			Note: For tapping existing structures only. Includes grout.		
<b>33 05 84 00-0090</b>			<b>Precast Concrete Manhole Tap</b> (33 05 84 00-0089)		
33 05 84 00-0091	EA		4" Tap In Existing Precast Concrete Manhole .....	1,019.43	
33 05 84 00-0092	EA		6" Tap In Existing Precast Concrete Manhole .....	1,142.78	

**33 Utilities****33 05 Common Work Results for Utilities****33 05 84 Accessories for Utility Structures**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 05 84 00-0093	EA	8" Tap In Existing Precast Concrete Manhole.....	1,276.67	
33 05 84 00-0094	EA	10" Tap In Existing Precast Concrete Manhole.....	1,397.58	
33 05 84 00-0095	EA	12" Tap In Existing Precast Concrete Manhole.....	1,518.24	
33 05 84 00-0096	EA	15" Tap In Existing Precast Concrete Manhole.....	1,641.82	

**33 05 97 Identification and Signage for Utilities** (33 05)**33 05 97 23 Utility Identification Warning Tape** (33 05 97)**33 05 97 23-0001 Non-Detectable Utility Warning Tape** (33 05 97 23)

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0002	CLF	3" Non-Detectable Utility Warning Tape .....	9.94	
33 05 97 23-0003	CLF	6" Non-Detectable Utility Warning Tape .....	13.48	

**33 05 97 23-0004 Detectable Utility Warning Tape** (33 05 97 23)

Note: Labor installation is included with pipe and excavation..

33 05 97 23-0005	CLF	2" Detectable Utility Warning Tape .....	9.93	
33 05 97 23-0006	CLF	3" Detectable Utility Warning Tape .....	13.17	
33 05 97 23-0007	CLF	6" Detectable Utility Warning Tape .....	20.29	

**33 10 Water Utilities** (33)**33 14 Water Utility Transmission and Distribution** (33 10)**33 14 11 Water Utility Transmission Piping** (33 14)

See CSI section 33 14 13 00-0000 for water utility transmission piping.

**33 14 13 Public Water Utility Distribution Piping** (33 14)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 14 13 13 Ductile Iron Public Water Utility Distribution Piping** (33 14 13)**33 14 13 13-0001 Ductile Iron Piping** (33 14 13 13)**33 14 13 13-0002 Mechanical Joint Ductile Iron Piping** (33 14 13 13-0001)

Note: Cement lining and bituminous coating shall conform to ANSI A21.4. Fittings are C153. See CSI section 33 14 13 13-0500 for bolts and gaskets.

**33 14 13 13-0003 Mechanical Joint Ductile Iron Pipe** (33 14 13 13-0002)

Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.

33 14 13 13-0004	LF	3", Class 51, Mechanical Joint Ductile Iron Pipe.....	80.43	16.98
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	38.33	
		For Cement Mortar Lining (CML), Add	5.48	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	29.57	
		For Fusion Bonded Epoxy Lining (206N), Add	9.86	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.11	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-4.02	
		For Class 52, Add	16.80	
		For Class 53, Add	30.30	
		For Class 54, Add	43.24	
		For Class 55, Add	49.70	
		For Class 56, Add	56.05	
33 14 13 13-0005	LF	4", Class 50, Mechanical Joint Ductile Iron Pipe.....	87.52	18.07
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	42.11	
		For Cement Mortar Lining (CML), Add	6.02	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	32.48	
		For Fusion Bonded Epoxy Lining (206N), Add	10.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.51	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-4.38	
		For Class 51, Add	8.54	
		For Class 52, Add	18.43	
		For Class 53, Add	33.26	
		For Class 54, Add	47.47	
		For Class 55, Add	54.55	
		For Class 56, Add	61.51	
33 14 13 13-0006	LF	6", Class 50, Mechanical Joint Ductile Iron Pipe.....	93.96	18.96
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	45.71	
		For Cement Mortar Lining (CML), Add	6.53	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	35.26	
		For Fusion Bonded Epoxy Lining (206N), Add	11.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.90	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-4.70	
		For Class 51, Add	9.26	
		For Class 52, Add	19.99	
		For Class 53, Add	36.07	
		For Class 54, Add	51.48	
		For Class 55, Add	59.16	
		For Class 56, Add	66.70	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0007 LF 8", Class 50, Mechanical Joint Ductile Iron Pipe.....	113.38	19.71
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	58.46	
For Cement Mortar Lining (CML), Add	8.35	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	45.10	
For Fusion Bonded Epoxy Lining (206N), Add	15.03	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.26	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-5.67	
For Class 51, Add	11.76	
For Class 52, Add	25.39	
For Class 53, Add	45.88	
For Class 54, Add	65.50	
For Class 55, Add	75.24	
For Class 56, Add	84.80	
33 14 13 13-0008 LF 10", Class 50, Mechanical Joint Ductile Iron Pipe.....	151.37	28.18
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	65.20	
For Cement Mortar Lining (CML), Add	10.87	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	54.33	
For Fusion Bonded Epoxy Lining (206N), Add	19.56	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.15	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-7.57	
For Class 51, Add	15.34	
For Class 52, Add	33.13	
For Class 53, Add	59.83	
For Class 54, Add	85.41	
For Class 55, Add	98.13	
For Class 56, Add	110.61	
33 14 13 13-0009 LF 12", Class 50, Mechanical Joint Ductile Iron Pipe.....	186.23	31.32
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	69.39	
For Cement Mortar Lining (CML), Add	13.88	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	55.51	
For Fusion Bonded Epoxy Lining (206N), Add	24.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	10.41	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-9.31	
For Class 51, Add	19.51	
For Class 52, Add	42.14	
For Class 53, Add	76.15	
For Class 54, Add	108.73	
For Class 55, Add	124.88	
For Class 56, Add	140.74	
33 14 13 13-0010 LF 14", Class 50, Mechanical Joint Ductile Iron Pipe.....	225.48	35.16
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	75.72	
For Cement Mortar Lining (CML), Add	17.21	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	58.51	
For Fusion Bonded Epoxy Lining (206N), Add	30.98	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.91	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-11.27	
For Class 51, Add	24.12	
For Class 52, Add	52.12	
For Class 53, Add	94.23	
For Class 54, Add	134.57	
For Class 55, Add	154.53	
For Class 56, Add	174.12	
33 14 13 13-0011 LF 16", Class 50, Mechanical Joint Ductile Iron Pipe.....	253.94	40.28
For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	79.11	
For Cement Mortar Lining (CML), Add	19.29	
Note: ANSI/AWWA C104/A21.4		
For 40 Mil Ceramic Epoxy Lining (P401), Add	59.81	
For Fusion Bonded Epoxy Lining (206N), Add	34.73	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	14.47	
Note: ANSI/AWWA C151/A21.51		
For >1,000, Deduct	-12.70	
For Class 51, Add	27.06	
For Class 52, Add	58.46	
For Class 53, Add	105.68	
For Class 54, Add	150.92	
For Class 55, Add	173.31	
For Class 56, Add	195.30	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0012	LF	18", Class 50, Mechanical Joint Ductile Iron Pipe.....	318.61	46.97
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	101.45	
		For Cement Mortar Lining (CML), Add	24.74	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	76.71	
		For Fusion Bonded Epoxy Lining (206N), Add	44.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.56	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-15.93	
		For Class 51, Add	34.62	
		For Class 52, Add	74.80	
		For Class 53, Add	135.27	
		For Class 54, Add	193.20	
		For Class 55, Add	221.82	
		For Class 56, Add	249.93	
33 14 13 13-0013	LF	20", Class 50, Mechanical Joint Ductile Iron Pipe.....	357.90	56.37
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	103.55	
		For Cement Mortar Lining (CML), Add	27.25	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	76.30	
		For Fusion Bonded Epoxy Lining (206N), Add	49.05	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.44	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-17.90	
		For Class 51, Add	38.21	
		For Class 52, Add	82.55	
		For Class 53, Add	149.24	
		For Class 54, Add	213.11	
		For Class 55, Add	244.73	
		For Class 56, Add	275.77	
33 14 13 13-0014	LF	24", Class 50, Mechanical Joint Ductile Iron Pipe.....	472.48	70.46
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	113.37	
		For Cement Mortar Lining (CML), Add	36.57	
		Note: ANSI/AWWA C104/A21.4		
		For 40 Mil Ceramic Epoxy Lining (P401), Add	76.80	
		For Fusion Bonded Epoxy Lining (206N), Add	65.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	27.43	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-23.62	
		For Class 51, Add	51.18	
		For Class 52, Add	110.59	
		For Class 53, Add	199.99	
		For Class 54, Add	285.63	
		For Class 55, Add	327.96	
		For Class 56, Add	369.52	
33 14 13 13-0015	LF	30", Class 50, Mechanical Joint Ductile Iron Pipe.....	629.59	75.87
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	159.87	
		For Cement Mortar Lining (CML), Add	51.57	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.83	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.68	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-31.48	
		For Class 51, Add	71.72	
		For Class 52, Add	155.04	
		For Class 53, Add	280.64	
		For Class 54, Add	400.94	
		For Class 55, Add	460.18	
		For Class 56, Add	518.33	
33 14 13 13-0016	LF	36", Class 50, Mechanical Joint Ductile Iron Pipe.....	765.88	80.57
		For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	199.92	
		For Cement Mortar Lining (CML), Add	64.49	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	116.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	48.37	
		Note: ANSI/AWWA C151/A21.51		
		For >1,000, Deduct	-38.29	
		For Class 51, Add	89.41	
		For Class 52, Add	193.33	
		For Class 53, Add	350.13	
		For Class 54, Add	500.29	
		For Class 55, Add	574.10	
		For Class 56, Add	646.55	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0017	LF	42"	Class 50, Mechanical Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	958.85 257.53 83.07 149.53 62.31 -47.94 114.83 248.35 450.00 643.08 737.81 830.79	85.26
33 14 13 13-0018	LF	48"	Class 50, Mechanical Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	1,194.09 328.25 105.89 190.60 79.42 -59.70 146.01 315.85 572.52 818.28 938.67 1,056.83	90.10
<b>33 14 13 13-0019 Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0002)</b>					
33 14 13 13-0020	EA	3"	Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	208.67 12.75 22.94 9.56	53.60
33 14 13 13-0021	EA	4"	Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	235.74 13.87 24.97 10.40	64.06
33 14 13 13-0022	EA	6"	Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	370.12 22.68 40.82 17.01	94.66
33 14 13 13-0023	EA	8"	Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	500.07 32.99 59.38 24.74	112.27
33 14 13 13-0024	EA	10"	Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	714.13 52.48 94.47 39.36	124.98
33 14 13 13-0025	EA	12"	Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	928.66 70.66 127.19 53.00	146.61
33 14 13 13-0026	EA	14"	Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,431.79 118.27 212.89 88.70	164.41
33 14 13 13-0027	EA	16"	Mechanical Joint Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,890.97 160.63 289.13 120.47	187.89

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0028 EA 18" Mechanical Joint Ductile Iron 90 Degree Elbow .....	2,332.79	263.05
For Cement Mortar Lining (CML), Add	193.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	348.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	145.07	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0029 EA 20" Mechanical Joint Ductile Iron 90 Degree Elbow .....	3,195.31	328.81
For Cement Mortar Lining (CML), Add	269.72	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	485.49	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	202.29	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0030 EA 24" Mechanical Joint Ductile Iron 90 Degree Elbow .....	4,689.53	437.84
For Cement Mortar Lining (CML), Add	402.60	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	724.69	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	301.95	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0031 EA 30" Mechanical Joint Ductile Iron 90 Degree Elbow .....	7,172.49	469.73
For Cement Mortar Lining (CML), Add	646.08	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,162.94	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	484.56	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0032 EA 36" Mechanical Joint Ductile Iron 90 Degree Elbow .....	10,839.51	487.66
For Cement Mortar Lining (CML), Add	1,010.07	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	1,818.13	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	757.55	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0033 EA 42" Mechanical Joint Ductile Iron 90 Degree Elbow .....	18,174.64	563.67
For Cement Mortar Lining (CML), Add	1,732.06	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	3,117.71	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,299.04	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0034 EA 48" Mechanical Joint Ductile Iron 90 Degree Elbow .....	24,003.94	599.69
For Cement Mortar Lining (CML), Add	2,309.54	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	4,157.17	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,732.15	
Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0035 Mechanical Joint Ductile Iron 45 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0036 EA 3" Mechanical Joint Ductile Iron 45 Degree Elbow .....	195.55	53.60
For Cement Mortar Lining (CML), Add	11.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0037 EA 4" Mechanical Joint Ductile Iron 45 Degree Elbow .....	211.37	64.06
For Cement Mortar Lining (CML), Add	11.43	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	20.58	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	8.57	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0038 EA 6" Mechanical Joint Ductile Iron 45 Degree Elbow .....	327.01	94.66
For Cement Mortar Lining (CML), Add	18.37	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	33.06	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.78	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0039 EA 8" Mechanical Joint Ductile Iron 45 Degree Elbow .....	438.22	112.27
For Cement Mortar Lining (CML), Add	26.80	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	48.25	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.10	
Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0040 EA 10" Mechanical Joint Ductile Iron 45 Degree Elbow .....	581.05	124.98
For Cement Mortar Lining (CML), Add	39.17	
Note: ANSI/AWWA C104/A21.4		
For Fusion Bonded Epoxy Lining (206N), Add	70.51	
Note: ANSI/AWWA C104/A21.4		
For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.38	
Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0041	EA		12" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	806.83 58.48 105.26 43.86	146.61
33 14 13 13-0042	EA		14" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,169.38 92.03 165.65 69.02	164.41
33 14 13 13-0043	EA		16" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,431.76 114.71 206.47 86.03	187.89
33 14 13 13-0044	EA		18" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,044.14 164.57 296.22 123.42	263.05
33 14 13 13-0045	EA		20" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,256.27 175.81 316.46 131.86	328.81
33 14 13 13-0046	EA		24" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,334.40 267.09 480.76 200.32	437.84
33 14 13 13-0047	EA		30" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,137.87 542.62 976.71 406.96	469.73
33 14 13 13-0048	EA		36" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,672.80 793.40 1,428.12 595.05	487.66
33 14 13 13-0049	EA		42" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,044.63 1,219.06 2,194.30 914.29	563.67
33 14 13 13-0050	EA		48" Mechanical Joint Ductile Iron 45 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,883.40 1,597.48 2,875.47 1,198.11	599.69
33 14 13 13-0051			<b>Mechanical Joint Ductile Iron 22-1/2 Degree Elbow</b> (33 14 13 13-0002)		
33 14 13 13-0052	EA		3" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	171.19 9.00 16.19 6.75	53.60
33 14 13 13-0053	EA		4" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	205.75 10.87 19.57 8.15	64.06

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0054	EA	6" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	312.02	94.66
		For Cement Mortar Lining (CML), Add	16.87	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	30.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	12.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0055	EA	8" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	432.59	112.27
		For Cement Mortar Lining (CML), Add	26.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	47.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	19.68	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0056	EA	10" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	579.18	124.98
		For Cement Mortar Lining (CML), Add	38.99	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	70.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.24	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0057	EA	12" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	733.73	146.61
		For Cement Mortar Lining (CML), Add	51.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	92.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0058	EA	14" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,180.63	164.41
		For Cement Mortar Lining (CML), Add	93.15	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	167.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	69.87	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0059	EA	16" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,384.91	187.89
		For Cement Mortar Lining (CML), Add	110.02	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	198.04	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.52	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0060	EA	18" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,749.87	263.05
		For Cement Mortar Lining (CML), Add	135.14	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	243.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	101.35	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0061	EA	20" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,334.99	328.81
		For Cement Mortar Lining (CML), Add	183.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	330.63	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	137.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0062	EA	24" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,128.22	437.84
		For Cement Mortar Lining (CML), Add	246.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	443.65	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	184.85	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0063	EA	30" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,258.81	469.73
		For Cement Mortar Lining (CML), Add	454.71	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	818.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	341.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0064	EA	36" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	7,403.88	487.66
		For Cement Mortar Lining (CML), Add	666.51	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,199.71	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	499.88	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0065	EA	42" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	10,917.27	563.67
		For Cement Mortar Lining (CML), Add	1,006.32	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,811.38	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	754.74	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0066	EA	48" Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	14,011.94	599.69
		For Cement Mortar Lining (CML), Add	1,310.34	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,358.61	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	982.75	
		Note: ANSI/AWWA C151/A21.51		

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0067	Mechanical Joint Ductile Iron 11-1/4 Degree Elbow <small>(33 14 13 13-0002)</small>	171.19	53.60
33 14 13 13-0068	EA 3" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	171.19	
	For Cement Mortar Lining (CML), Add	9.00	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	16.19	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	6.75	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0069	EA 4" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	200.13	64.06
	For Cement Mortar Lining (CML), Add	10.31	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	18.56	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.73	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0070	EA 6" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	317.64	94.66
	For Cement Mortar Lining (CML), Add	17.43	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	31.38	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.07	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0071	EA 8" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	408.23	112.27
	For Cement Mortar Lining (CML), Add	23.80	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	42.85	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	17.85	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0072	EA 10" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	575.43	124.98
	For Cement Mortar Lining (CML), Add	38.61	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	69.50	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	28.96	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0073	EA 12" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	701.87	146.61
	For Cement Mortar Lining (CML), Add	47.98	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	86.37	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.99	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0074	EA 14" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,311.83	164.41
	For Cement Mortar Lining (CML), Add	106.27	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	191.29	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	79.71	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0075	EA 16" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	1,448.63	187.89
	For Cement Mortar Lining (CML), Add	116.40	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	209.51	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	87.30	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0076	EA 18" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,106.00	263.05
	For Cement Mortar Lining (CML), Add	170.75	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	307.35	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	128.06	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0077	EA 20" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,228.16	328.81
	For Cement Mortar Lining (CML), Add	173.00	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	311.40	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.75	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0078	EA 24" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	2,970.78	437.84
	For Cement Mortar Lining (CML), Add	230.73	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	415.31	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	173.05	
	Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0079	EA 30" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow .....	5,341.28	469.73
	For Cement Mortar Lining (CML), Add	462.96	
	Note: ANSI/AWWA C104/A21.4		
	For Fusion Bonded Epoxy Lining (206N), Add	833.32	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	347.22	
	Note: ANSI/AWWA C151/A21.51		



**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0080	EA		36" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,066.50 632.77 1,138.99 474.58	487.66
33 14 13 13-0081	EA		42" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,458.07 960.40 1,728.72 720.30	563.67
33 14 13 13-0082	EA		48" Mechanical Joint Ductile Iron 11-1/4 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,921.97 1,301.34 2,342.41 976.01	599.69
<b>33 14 13 13-0083</b>			<b>Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0084	EA		3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	214.30 13.31 23.95 9.98	53.60
33 14 13 13-0085	EA		4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	261.98 16.49 29.69 12.37	64.06
33 14 13 13-0086	EA		6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	416.98 27.37 49.26 20.52	94.66
33 14 13 13-0087	EA		8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	561.92 39.17 70.51 29.38	112.27
33 14 13 13-0088	EA		10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	804.10 61.48 110.66 46.11	124.98
33 14 13 13-0089	EA		12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,026.12 80.41 144.73 60.31	146.61
33 14 13 13-0090	EA		14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,744.80 149.57 269.23 112.18	164.41
33 14 13 13-0091	EA		16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,653.82 236.91 426.45 177.69	187.89
33 14 13 13-0092	EA		18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,090.01 269.15 484.47 201.86	263.05

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0093	EA		20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,192.44 369.43 664.97 277.07	328.81
33 14 13 13-0094	EA		24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,101.88 443.84 798.91 332.88	437.84
33 14 13 13-0095	EA		30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,451.66 874.00 1,573.19 655.50	469.73
33 14 13 13-0096	EA		36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,844.83 1,610.60 2,899.09 1,207.95	487.66
<b>33 14 13 13-0097</b>			<b>Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0098	EA		3" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	197.43 11.62 20.92 8.72	53.60
33 14 13 13-0099	EA		4" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	217.00 12.00 21.59 9.00	64.06
33 14 13 13-0100	EA		6" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	347.63 20.43 36.77 15.32	94.66
33 14 13 13-0101	EA		8" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	498.20 32.80 59.04 24.60	112.27
33 14 13 13-0102	EA		10" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	676.64 48.73 87.72 36.55	124.98
33 14 13 13-0103	EA		12" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	915.54 69.35 124.83 52.01	146.61
33 14 13 13-0104	EA		14" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,547.99 129.89 233.80 97.42	164.41
33 14 13 13-0105	EA		16" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,344.56 205.99 370.78 154.49	187.89

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0106	EA	18" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	2,777.00	263.05
		For Cement Mortar Lining (CML), Add	237.85	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	428.13	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	178.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0107	EA	20" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	3,603.91	328.81
		For Cement Mortar Lining (CML), Add	310.58	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	559.04	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	232.93	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0108	EA	24" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	4,533.96	437.84
		For Cement Mortar Lining (CML), Add	387.05	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	696.68	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	290.29	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0109	EA	30" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	8,313.95	469.73
		For Cement Mortar Lining (CML), Add	760.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,368.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	570.17	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0110	EA	36" Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow.....	14,751.22	487.66
		For Cement Mortar Lining (CML), Add	1,401.24	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,522.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,050.93	
		Note: ANSI/AWWA C151/A21.51		

**33 14 13 13-0111 Mechanical Joint Ductile Iron Tee** (33 14 13 13-0002)

33 14 13 13-0112	EA	3" x 3" Mechanical Joint Ductile Iron Tee.....	339.26	80.41
		For Cement Mortar Lining (CML), Add	21.74	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	39.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0113	EA	4" x 3" Mechanical Joint Ductile Iron Tee.....	353.59	89.86
		For Cement Mortar Lining (CML), Add	21.74	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	39.14	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	16.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0114	EA	4" x 4" Mechanical Joint Ductile Iron Tee.....	325.14	94.66
		For Cement Mortar Lining (CML), Add	18.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	32.73	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.64	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0115	EA	6" x 3" Mechanical Joint Ductile Iron Tee.....	431.82	119.23
		For Cement Mortar Lining (CML), Add	25.12	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	45.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	18.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0116	EA	6" x 4" Mechanical Joint Ductile Iron Tee.....	493.62	124.16
		For Cement Mortar Lining (CML), Add	30.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	54.99	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	22.91	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0117	EA	6" x 6" Mechanical Joint Ductile Iron Tee.....	538.51	139.00
		For Cement Mortar Lining (CML), Add	32.80	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	59.04	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	24.60	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0118	EA	8" x 4" Mechanical Joint Ductile Iron Tee.....	572.25	143.88
		For Cement Mortar Lining (CML), Add	35.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	63.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	26.57	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0119	EA		8" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	649.00 40.86 73.55 30.65	158.67
33 14 13 13-0120	EA		8" x 8" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	748.28 49.30 88.73 36.97	168.56
33 14 13 13-0121	EA		10" x 4" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	778.89 54.36 97.84 40.77	155.33
33 14 13 13-0122	EA		10" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	783.36 52.67 94.80 39.50	169.41
33 14 13 13-0123	EA		10" x 8" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	887.58 61.67 111.00 46.25	178.81
33 14 13 13-0124	EA		10" x 10" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	989.42 70.47 126.85 52.86	187.89
33 14 13 13-0125	EA		12" x 4" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	929.19 66.54 119.77 49.90	174.11
33 14 13 13-0126	EA		12" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,053.61 76.85 138.32 57.64	188.19
33 14 13 13-0127	EA		12" x 8" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,287.16 98.78 177.80 74.08	197.60
33 14 13 13-0128	EA		12" x 10" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,377.75 106.46 191.63 79.85	206.68
33 14 13 13-0129	EA		12" x 12" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,311.40 98.40 177.12 73.80	216.07
33 14 13 13-0130	EA		14" x 6" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,396.86 106.46 191.63 79.85	219.30
33 14 13 13-0131	EA		14" x 8" Mechanical Joint Ductile Iron Tee For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,551.69 120.52 216.93 90.39	228.70

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0132	EA	14" x 10" Mechanical Joint Ductile Iron Tee.....	1,970.29	237.76
		For Cement Mortar Lining (CML), Add	161.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	289.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	120.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0133	EA	14" x 12" Mechanical Joint Ductile Iron Tee.....	2,104.49	247.16
		For Cement Mortar Lining (CML), Add	173.00	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	311.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	129.75	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0134	EA	14" x 14" Mechanical Joint Ductile Iron Tee.....	2,036.21	262.76
		For Cement Mortar Lining (CML), Add	163.82	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	294.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	122.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0135	EA	16" x 6" Mechanical Joint Ductile Iron Tee.....	1,772.29	263.03
		For Cement Mortar Lining (CML), Add	137.39	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	247.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	103.04	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0136	EA	16" x 8" Mechanical Joint Ductile Iron Tee.....	1,904.75	272.44
		For Cement Mortar Lining (CML), Add	149.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	268.55	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	111.90	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0137	EA	16" x 10" Mechanical Joint Ductile Iron Tee.....	2,210.89	281.51
		For Cement Mortar Lining (CML), Add	178.44	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	321.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	133.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0138	EA	16" x 12" Mechanical Joint Ductile Iron Tee.....	2,416.31	290.91
		For Cement Mortar Lining (CML), Add	197.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	355.60	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	148.16	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0139	EA	16" x 14" Mechanical Joint Ductile Iron Tee.....	2,899.08	306.46
		For Cement Mortar Lining (CML), Add	243.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	438.25	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	182.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0140	EA	16" x 16" Mechanical Joint Ductile Iron Tee.....	2,748.53	328.38
		For Cement Mortar Lining (CML), Add	225.11	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	405.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	168.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0141	EA	18" x 6" Mechanical Joint Ductile Iron Tee.....	2,455.59	336.64
		For Cement Mortar Lining (CML), Add	194.55	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	350.20	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	145.92	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0142	EA	18" x 8" Mechanical Joint Ductile Iron Tee.....	2,631.04	346.04
		For Cement Mortar Lining (CML), Add	210.67	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	379.21	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	158.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0143	EA	18" x 10" Mechanical Joint Ductile Iron Tee.....	2,843.46	355.11
		For Cement Mortar Lining (CML), Add	230.54	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	414.97	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	172.91	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0144	EA	18" x 12" Mechanical Joint Ductile Iron Tee.....	3,054.51	364.51
		For Cement Mortar Lining (CML), Add	250.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	450.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	187.67	
		Note: ANSI/AWWA C151/A21.51		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0145	EA		18" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,143.67 256.78 462.21 192.59	380.06
33 14 13 13-0146	EA		18" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,354.86 274.59 494.26 205.94	401.93
33 14 13 13-0147	EA		18" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,922.31 325.76 586.36 244.32	438.70
33 14 13 13-0148	EA		20" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,920.63 218.92 394.06 164.19	482.74
33 14 13 13-0149	EA		20" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	2,983.61 223.79 402.83 167.85	492.15
33 14 13 13-0150	EA		20" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,242.89 248.35 447.02 186.26	501.21
33 14 13 13-0151	EA		20" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,500.80 272.71 490.89 204.54	510.60
33 14 13 13-0152	EA		20" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,544.97 274.78 494.60 206.08	526.16
33 14 13 13-0153	EA		20" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,600.59 277.02 498.64 207.77	548.03
33 14 13 13-0154	EA		20" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,503.55 361.74 651.14 271.31	584.83
33 14 13 13-0155	EA		20" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,999.46 300.27 540.48 225.20	657.90
33 14 13 13-0156	EA		24" x 6" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,585.53 263.34 474.02 197.51	628.40
33 14 13 13-0157	EA		24" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,633.52 266.72 480.09 200.04	638.69

## 33 Utilities

## 33 10 Water Utilities

## 33 14 Water Utility Transmission and Distribution

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0158	EA		24" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	3,992.14 301.20 542.17 225.90	646.87
33 14 13 13-0159	EA		24" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,090.71 309.64 557.35 232.23	656.26
33 14 13 13-0160	EA		24" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,590.33 357.25 643.04 267.93	671.82
33 14 13 13-0161	EA		24" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	4,951.50 390.05 702.08 292.53	693.67
33 14 13 13-0162	EA		24" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,614.54 450.77 811.39 338.08	730.48
33 14 13 13-0163	EA		24" x 20" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,221.92 500.44 900.80 375.33	803.54
33 14 13 13-0164	EA		24" x 24" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	5,784.95 445.71 802.28 334.28	876.40
33 14 13 13-0165	EA		30" x 8" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,151.98 502.88 905.18 377.16	741.30
33 14 13 13-0166	EA		30" x 10" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,474.99 533.81 960.85 400.35	750.38
33 14 13 13-0167	EA		30" x 12" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	6,798.49 564.73 1,016.52 423.55	759.77
33 14 13 13-0168	EA		30" x 14" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,260.64 608.59 1,095.47 456.44	775.33
33 14 13 13-0169	EA		30" x 16" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,762.36 655.45 1,179.81 491.59	1,031.55
33 14 13 13-0170	EA		30" x 18" Mechanical Joint Ductile Iron Tee..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	7,975.55 671.19 1,208.15 503.40	833.99

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0171	EA		30" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,305.54 693.12 1,247.62 519.84	907.04
33 14 13 13-0172	EA		30" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,732.64 724.80 1,304.64 543.60	979.87
33 14 13 13-0173	EA		30" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,906.55 934.35 1,681.83 700.76	1,031.55
33 14 13 13-0174	EA		30" x 6" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,422.63 531.37 956.47 398.53	731.90
33 14 13 13-0175	EA		36" x 8" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,502.46 625.65 1,126.17 469.24	822.34
33 14 13 13-0176	EA		36" x 10" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,329.67 706.99 1,272.59 530.25	831.42
33 14 13 13-0177	EA		36" x 12" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,778.74 750.48 1,350.86 562.86	840.82
33 14 13 13-0178	EA		36" x 14" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,104.06 780.65 1,405.18 585.49	856.36
33 14 13 13-0179	EA		36" x 16" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,435.22 810.46 1,458.82 607.84	878.24
33 14 13 13-0180	EA		36" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,068.26 868.19 1,562.73 651.14	915.03
33 14 13 13-0181	EA		36" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,758.11 926.10 1,666.98 694.58	988.09
33 14 13 13-0182	EA		36" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,895.58 1,028.81 1,851.87 771.61	1,060.90
33 14 13 13-0183	EA		36" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,137.96 1,145.21 2,061.38 858.91	1,153.26

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0184	EA	36" x 36" Mechanical Joint Ductile Iron Tee.....	15,307.96	1,153.26
		For Cement Mortar Lining (CML), Add	1,356.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,440.93	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,017.05	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0185	EA	42" x 12" Mechanical Joint Ductile Iron Tee.....	17,116.88	886.11
		For Cement Mortar Lining (CML), Add	1,577.43	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,839.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,183.07	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0186	EA	42" x 14" Mechanical Joint Ductile Iron Tee.....	17,459.07	901.67
		For Cement Mortar Lining (CML), Add	1,609.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,896.72	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,206.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0187	EA	42" x 16" Mechanical Joint Ductile Iron Tee.....	19,387.14	923.53
		For Cement Mortar Lining (CML), Add	1,798.79	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,237.81	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,349.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0188	EA	42" x 18" Mechanical Joint Ductile Iron Tee.....	18,149.62	960.33
		For Cement Mortar Lining (CML), Add	1,669.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,005.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,252.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0189	EA	42" x 20" Mechanical Joint Ductile Iron Tee.....	18,260.30	1,033.39
		For Cement Mortar Lining (CML), Add	1,669.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,005.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,252.09	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0190	EA	42" x 24" Mechanical Joint Ductile Iron Tee.....	18,676.16	1,106.21
		For Cement Mortar Lining (CML), Add	1,700.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,060.01	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,275.01	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0191	EA	42" x 30" Mechanical Joint Ductile Iron Tee.....	22,608.18	1,157.96
		For Cement Mortar Lining (CML), Add	2,085.37	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,753.66	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,564.03	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0192	EA	42" x 36" Mechanical Joint Ductile Iron Tee.....	23,544.88	1,198.49
		For Cement Mortar Lining (CML), Add	2,172.90	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,911.22	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,629.67	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0193	EA	42" x 42" Mechanical Joint Ductile Iron Tee.....	24,896.84	1,221.15
		For Cement Mortar Lining (CML), Add	2,304.66	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	4,148.40	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,728.50	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0194	EA	48" x 12" Mechanical Joint Ductile Iron Tee.....	20,148.32	958.31
		For Cement Mortar Lining (CML), Add	1,869.63	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,365.34	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,402.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0195	EA	48" x 14" Mechanical Joint Ductile Iron Tee.....	20,509.25	973.85
		For Cement Mortar Lining (CML), Add	1,903.37	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,426.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,427.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0196	EA	48" x 16" Mechanical Joint Ductile Iron Tee.....	21,020.34	995.73
		For Cement Mortar Lining (CML), Add	1,951.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	3,512.10	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	1,463.38	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0197	EA		48" x 18" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,552.18 1,998.78 3,597.80 1,499.08	1,032.52
33 14 13 13-0198	EA		48" x 20" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,140.81 2,046.57 3,683.83 1,534.93	1,105.58
33 14 13 13-0199	EA		48" x 24" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,314.88 2,052.94 3,695.30 1,539.71	1,178.39
33 14 13 13-0200	EA		48" x 30" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,114.71 2,525.08 4,545.15 1,893.81	1,230.15
33 14 13 13-0201	EA		48" x 36" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,887.25 2,896.20 5,213.16 2,172.15	1,270.67
33 14 13 13-0202	EA		48" x 42" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,391.04 3,043.15 5,477.66 2,282.36	1,293.32
33 14 13 13-0203	EA		48" x 48" Mechanical Joint Ductile Iron Tee..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	32,934.94 3,092.07 5,565.72 2,319.05	1,329.47
<b>33 14 13 13-0204</b>			<b>Mechanical Joint Ductile Iron Wye (Laterals)</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0205	EA		4" x 3" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	295.49 15.93 28.68 11.95	89.86
33 14 13 13-0206	EA		4" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	441.35 29.80 53.64 22.35	94.60
33 14 13 13-0207	EA		6" x 3" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	431.82 25.12 45.21 18.84	119.23
33 14 13 13-0208	EA		6" x 4" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	495.50 30.74 55.33 23.05	124.16
33 14 13 13-0209	EA		6" x 6" Mechanical Joint Ductile Iron Wye (Lateral)..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	660.34 44.98 80.97 33.74	138.93



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0210	EA	8" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	838.40	143.88
		For Cement Mortar Lining (CML), Add	62.04	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	111.67	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.53	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0211	EA	8" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	759.59	158.67
		For Cement Mortar Lining (CML), Add	51.92	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	93.45	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	38.94	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0212	EA	8" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	911.34	168.52
		For Cement Mortar Lining (CML), Add	65.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	118.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	49.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0213	EA	10" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,279.34	155.33
		For Cement Mortar Lining (CML), Add	104.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	187.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.30	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0214	EA	10" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,355.03	169.41
		For Cement Mortar Lining (CML), Add	109.84	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	197.70	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	82.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0215	EA	10" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	1,552.96	178.81
		For Cement Mortar Lining (CML), Add	128.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	230.77	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	96.15	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0216	EA	10" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	1,744.78	187.89
		For Cement Mortar Lining (CML), Add	146.01	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	262.82	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	109.51	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0217	EA	12" x 4" Mechanical Joint Ductile Iron Wye (Lateral)	1,626.44	174.11
		For Cement Mortar Lining (CML), Add	136.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	245.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	102.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0218	EA	12" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	1,837.08	188.19
		For Cement Mortar Lining (CML), Add	155.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	279.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	116.40	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0219	EA	12" x 8" Mechanical Joint Ductile Iron Wye (Lateral)	2,205.57	197.60
		For Cement Mortar Lining (CML), Add	190.62	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	343.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	142.96	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0220	EA	12" x 10" Mechanical Joint Ductile Iron Wye (Lateral)	2,269.93	206.68
		For Cement Mortar Lining (CML), Add	195.68	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	352.22	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	146.76	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0221	EA	12" x 12" Mechanical Joint Ductile Iron Wye (Lateral)	2,064.87	216.06
		For Cement Mortar Lining (CML), Add	173.75	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	312.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	130.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0222	EA	14" x 6" Mechanical Joint Ductile Iron Wye (Lateral)	2,423.99	219.30
		For Cement Mortar Lining (CML), Add	209.17	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	376.51	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	156.88	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0223	EA		14" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,768.12 242.16 435.89 181.62	228.70
33 14 13 13-0224	EA		14" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,597.20 323.70 582.65 242.77	237.76
33 14 13 13-0225	EA		14" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,851.35 347.69 625.83 260.76	247.16
33 14 13 13-0226	EA		14" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,769.95 337.19 606.94 252.89	262.71
33 14 13 13-0227	EA		16" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,501.53 210.30 378.54 157.72	263.03
33 14 13 13-0228	EA		16" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,748.19 233.54 420.37 175.16	272.44
33 14 13 13-0229	EA		16" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,228.65 280.21 504.38 210.16	281.51
33 14 13 13-0230	EA		16" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,604.63 316.39 569.49 237.29	290.91
33 14 13 13-0231	EA		16" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,494.13 402.98 725.36 302.23	306.46
33 14 13 13-0232	EA		16" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,343.57 384.61 692.30 288.46	328.33
33 14 13 13-0233	EA		18" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,915.69 340.56 613.02 255.42	336.64
33 14 13 13-0234	EA		18" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,211.09 368.68 663.62 276.51	346.04
33 14 13 13-0235	EA		18" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,496.61 395.86 712.54 296.89	355.11

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0236	EA		18" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,807.00 425.47 765.85 319.10	364.51
33 14 13 13-0237	EA		18" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,864.29 428.84 771.92 321.63	380.06
33 14 13 13-0238	EA		18" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,919.92 431.09 775.97 323.32	401.93
33 14 13 13-0239	EA		18" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,522.09 385.74 694.32 289.30	438.72
33 14 13 13-0240	EA		20" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,671.24 393.98 709.17 295.49	482.74
33 14 13 13-0241	EA		20" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,773.58 402.79 725.02 302.09	492.15
33 14 13 13-0242	EA		20" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,229.67 447.03 804.65 335.27	501.21
33 14 13 13-0243	EA		20" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,682.50 490.88 883.59 368.16	510.60
33 14 13 13-0244	EA		20" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,743.55 494.63 890.34 370.97	526.16
33 14 13 13-0245	EA		20" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,816.04 498.57 897.42 373.93	548.03
33 14 13 13-0246	EA		20" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,722.74 583.66 1,050.59 437.75	584.83
33 14 13 13-0247	EA		20" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,402.34 540.55 973.00 405.42	657.88
33 14 13 13-0248	EA		24" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,692.27 474.02 853.23 355.51	628.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0249	EA		24" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,766.49 480.01 864.02 360.01	637.80
33 14 13 13-0250	EA		24" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,400.64 542.05 975.70 406.54	646.87
33 14 13 13-0251	EA		24" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,692.26 569.79 1,025.63 427.34	656.26
33 14 13 13-0252	EA		24" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,697.96 668.01 1,202.41 501.01	671.82
33 14 13 13-0253	EA		24" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,535.20 748.42 1,347.15 561.31	693.67
33 14 13 13-0254	EA		24" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,535.62 842.88 1,517.19 632.16	730.48
33 14 13 13-0255	EA		24" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,476.63 925.91 1,666.65 694.44	803.54
33 14 13 13-0256	EA		24" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,349.91 802.21 1,443.98 601.66	876.36
33 14 13 13-0257	EA		30" x 6" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,565.76 1,045.68 1,882.23 784.26	731.90
33 14 13 13-0258	EA		30" x 8" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,940.77 1,181.76 2,127.17 886.32	741.30
33 14 13 13-0259	EA		30" x 10" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,681.75 1,254.48 2,258.07 940.86	750.38
33 14 13 13-0260	EA		30" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,423.22 1,327.21 2,388.97 995.40	759.77
33 14 13 13-0261	EA		30" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	15,475.78 1,430.11 2,574.19 1,072.58	775.33

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0262	EA		30" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,611.02 1,540.32 2,772.57 1,155.24	797.18
33 14 13 13-0263	EA		30" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,036.01 1,577.24 2,839.03 1,182.93	833.99
33 14 13 13-0264	EA		30" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,662.14 1,628.78 2,931.81 1,221.59	907.04
33 14 13 13-0265	EA		30" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,516.59 1,703.20 3,065.75 1,277.40	979.87
33 14 13 13-0266	EA		30" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,058.85 1,849.58 3,329.24 1,387.18	1,031.62
33 14 13 13-0267	EA		36" x 12" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,912.10 2,063.81 3,714.87 1,547.86	840.82
33 14 13 13-0268	EA		36" x 14" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,765.98 2,146.85 3,864.32 1,610.13	856.36
33 14 13 13-0269	EA		36" x 16" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,618.20 2,228.75 4,011.76 1,671.57	878.24
33 14 13 13-0270	EA		36" x 18" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,261.50 2,387.51 4,297.52 1,790.63	915.03
33 14 13 13-0271	EA		36" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	26,965.35 2,546.83 4,584.29 1,910.12	988.09
33 14 13 13-0272	EA		36" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	29,900.30 2,829.29 5,092.71 2,121.96	1,060.90
33 14 13 13-0273	EA		36" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	33,470.58 3,178.47 5,721.25 2,383.85	1,112.66
33 14 13 13-0274	EA		36" x 36" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,887.79 3,814.05 6,865.30 2,860.54	1,153.18



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0275	EA		42" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,104.81 3,353.91 6,037.03 2,515.43	1,033.39
33 14 13 13-0276	EA		42" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	35,996.75 3,432.07 6,177.72 2,574.05	1,106.21
33 14 13 13-0277	EA		42" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	38,444.31 3,668.98 6,604.17 2,751.74	1,157.96
33 14 13 13-0278	EA		42" x 36" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	43,922.49 4,210.66 7,579.19 3,158.00	1,198.49
33 14 13 13-0279	EA		42" x 42" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	51,742.73 4,989.25 8,980.65 3,741.94	1,221.14
33 14 13 13-0280	EA		48" x 20" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	34,659.39 3,298.43 5,937.17 2,473.82	1,105.58
33 14 13 13-0281	EA		48" x 24" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	39,230.61 3,744.52 6,740.13 2,808.39	1,178.39
33 14 13 13-0282	EA		48" x 30" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	41,803.75 3,993.99 7,189.18 2,995.49	1,230.15
33 14 13 13-0283	EA		48" x 36" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	47,609.94 4,568.47 8,223.24 3,426.35	1,270.67
33 14 13 13-0284	EA		48" x 42" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	62,132.75 6,017.32 10,831.17 4,512.99	1,293.32
33 14 13 13-0285	EA		48" x 48" Mechanical Joint Ductile Iron Wye (Lateral) ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	68,185.26 6,617.10 11,910.78 4,962.82	1,329.42
33 14 13 13-0286			<b>Mechanical Joint Ductile Iron Cross</b> (33 14 13 13-0002)		
33 14 13 13-0287	EA		3" x 3" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	404.23 24.18 43.52 18.13	107.22

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0288	EA		4" x 3" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	486.04 30.93 55.67 23.19	116.67
33 14 13 13-0289	EA		4" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	570.91 39.17 70.51 29.38	118.25
33 14 13 13-0290	EA		6" x 3" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	682.65 46.11 82.99 34.58	146.17
33 14 13 13-0291	EA		6" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	666.22 42.73 76.92 32.05	157.67
33 14 13 13-0292	EA		6" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	778.44 47.98 86.37 35.99	197.08
33 14 13 13-0293	EA		8" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	686.78 42.55 76.58 31.91	172.46
33 14 13 13-0294	EA		8" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	817.71 49.67 89.40 37.25	211.88
33 14 13 13-0295	EA		8" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	866.38 52.29 94.13 39.22	226.65
33 14 13 13-0296	EA		10" x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	830.04 55.48 99.86 41.61	181.65
33 14 13 13-0297	EA		10" x 6" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	954.44 62.23 112.01 46.67	219.23
33 14 13 13-0298	EA		10" x 8" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,125.76 77.22 139.00 57.92	233.34
33 14 13 13-0299	EA		10" x 10" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	1,217.47 83.78 150.81 62.84	250.52
33 14 13 13-0300	EA		12 x 4" Mechanical Joint Ductile Iron Cross <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	999.92 70.10 126.18 52.58	197.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0301	EA		12" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,163.69 80.78 145.41 60.59	234.86
33 14 13 13-0302	EA		12" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,651.76 127.45 229.42 95.59	248.97
33 14 13 13-0303	EA		12" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,677.88 127.45 229.42 95.59	266.21
33 14 13 13-0304	EA		12" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,898.37 147.13 264.84 110.35	281.84
33 14 13 13-0305	EA		14" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,935.87 154.44 278.00 115.83	258.34
33 14 13 13-0306	EA		14" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,268.37 185.56 334.00 139.17	272.44
33 14 13 13-0307	EA		14" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,331.97 189.31 340.75 141.98	289.68
33 14 13 13-0308	EA		14" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,460.63 199.80 359.65 149.85	305.31
33 14 13 13-0309	EA		14" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,719.23 222.11 399.79 166.58	328.81
33 14 13 13-0310	EA		16" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,212.45 177.12 318.82 132.84	291.20
33 14 13 13-0311	EA		16" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,509.35 204.68 368.42 153.51	305.31
33 14 13 13-0312	EA		16" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,990.12 250.14 450.26 187.61	322.53
33 14 13 13-0313	EA		16" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,325.74 281.34 506.40 211.00	338.18

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0314	EA		16" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,002.33 345.44 621.79 259.08	361.65
33 14 13 13-0315	EA		16" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,676.26 407.85 734.13 305.89	394.57
33 14 13 13-0316	EA		18" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,616.21 309.45 557.01 232.09	344.34
33 14 13 13-0317	EA		18" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,821.28 327.82 590.07 245.86	358.45
33 14 13 13-0318	EA		18" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,001.08 343.19 617.74 257.39	375.67
33 14 13 13-0319	EA		18" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,332.16 373.93 673.07 280.45	391.31
33 14 13 13-0320	EA		18" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,040.60 441.22 794.19 330.91	414.79
33 14 13 13-0321	EA		18" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,367.80 468.96 844.12 351.72	447.64
33 14 13 13-0322	EA		18" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,631.98 487.32 877.18 365.49	500.76
33 14 13 13-0323	EA		20" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,545.71 389.11 700.40 291.83	432.03
33 14 13 13-0324	EA		20" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,752.63 407.67 733.80 305.75	446.14
33 14 13 13-0325	EA		20" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,900.57 419.85 755.73 314.89	463.38
33 14 13 13-0326	EA		20" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,229.78 450.40 810.72 337.80	479.01

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0327	EA		20" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,327.18 456.58 821.85 342.44	502.50
33 14 13 13-0328	EA		20" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,419.11 560.80 1,009.43 420.60	535.35
33 14 13 13-0329	EA		20" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,683.29 579.17 1,042.50 434.37	588.48
33 14 13 13-0330	EA		20" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,245.40 622.09 1,119.76 466.57	676.12
33 14 13 13-0331	EA		24" x 6" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,181.31 536.24 965.24 402.18	540.46
33 14 13 13-0332	EA		24" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,326.80 548.61 987.50 411.46	554.56
33 14 13 13-0333	EA		24" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,566.16 569.98 1,025.97 427.49	571.79
33 14 13 13-0334	EA		24" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,773.55 588.35 1,059.03 441.26	587.43
33 14 13 13-0335	EA		24" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,900.94 597.53 1,075.56 448.15	610.90
33 14 13 13-0336	EA		24" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,166.28 619.09 1,114.36 464.32	643.78
33 14 13 13-0337	EA		24" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,422.87 836.70 1,506.05 627.52	696.90
33 14 13 13-0338	EA		24" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,953.12 876.43 1,577.58 657.32	784.60
33 14 13 13-0339	EA		24" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,975.82 962.28 1,732.10 721.71	893.06



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0340	EA		30" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,718.08 1,062.93 1,913.27 797.20	718.61
33 14 13 13-0341	EA		30" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,952.24 1,083.73 1,950.72 812.80	735.85
33 14 13 13-0342	EA		30" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,182.11 1,104.35 1,987.83 828.26	751.48
33 14 13 13-0343	EA		30" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,455.71 1,128.15 2,030.68 846.11	774.97
33 14 13 13-0344	EA		30" x 16" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,771.66 1,154.77 2,078.58 866.08	807.82
33 14 13 13-0345	EA		30" x 18" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,148.31 1,184.38 2,131.89 888.29	860.96
33 14 13 13-0346	EA		30" x 20" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	13,635.44 1,219.81 2,195.65 914.86	948.67
33 14 13 13-0347	EA		30" x 24" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,475.25 1,587.36 2,857.25 1,190.52	1,057.07
33 14 13 13-0348	EA		30" x 30" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	20,096.71 1,824.65 3,284.37 1,368.49	1,221.15
33 14 13 13-0349	EA		36" x 8" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,281.84 1,510.14 2,718.25 1,132.61	779.10
33 14 13 13-0350	EA		36" x 10" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,514.12 1,530.76 2,755.36 1,148.07	796.32
33 14 13 13-0351	EA		36" x 12" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,714.01 1,548.38 2,787.08 1,161.28	811.96
33 14 13 13-0352	EA		36" x 14" Mechanical Joint Ductile Iron Cross For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	16,955.73 1,568.99 2,824.19 1,176.74	835.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0353	EA		36" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,241.70 1,592.61 2,866.70 1,194.46	868.30
33 14 13 13-0354	EA		36" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	17,586.49 1,619.04 2,914.27 1,214.28	921.42
33 14 13 13-0355	EA		36" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,043.63 1,651.46 2,972.63 1,238.60	1,009.13
33 14 13 13-0356	EA		36" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	18,826.42 1,713.32 3,083.97 1,284.99	1,117.56
33 14 13 13-0357	EA		36" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	25,286.49 2,334.47 4,202.04 1,750.85	1,281.61
33 14 13 13-0358	EA		36" x 36" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	27,762.25 2,572.88 4,631.18 1,929.66	1,342.14
33 14 13 13-0359	EA		42" x 12" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	21,790.16 2,050.69 3,691.25 1,538.02	846.92
33 14 13 13-0360	EA		42" x 14" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	24,610.50 2,329.17 4,192.51 1,746.88	870.41
33 14 13 13-0361	EA		42" x 16" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,297.23 2,092.87 3,767.16 1,569.65	903.27
33 14 13 13-0362	EA		42" x 18" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	22,604.54 2,115.55 3,807.98 1,586.66	956.40
33 14 13 13-0363	EA		42" x 20" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,046.69 2,146.47 3,863.65 1,609.85	1,044.11
33 14 13 13-0364	EA		42" x 24" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	23,775.12 2,202.89 3,965.20 1,652.17	1,152.51
33 14 13 13-0365	EA		42" x 30" Mechanical Joint Ductile Iron Cross ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	30,388.88 2,839.41 5,110.93 2,129.56	1,316.58

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
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33 14 13 13-0366	EA	42" x 36" Mechanical Joint Ductile Iron Cross	39,580.34	1,377.05
		For Cement Mortar Lining (CML), Add	3,749.39	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6,748.90	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,812.04	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0367	EA	42" x 42" Mechanical Joint Ductile Iron Cross	42,392.31	1,412.04
		For Cement Mortar Lining (CML), Add	4,025.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	7,245.52	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,018.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0368	EA	48" x 12" Mechanical Joint Ductile Iron Cross	29,409.68	985.74
		For Cement Mortar Lining (CML), Add	2,791.61	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,024.90	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,093.71	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0369	EA	48" x 14" Mechanical Joint Ductile Iron Cross	29,613.95	1,009.23
		For Cement Mortar Lining (CML), Add	2,808.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,055.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,106.36	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0370	EA	48" x 16" Mechanical Joint Ductile Iron Cross	29,888.66	1,042.08
		For Cement Mortar Lining (CML), Add	2,830.97	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,095.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,123.23	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0371	EA	48" x 18" Mechanical Joint Ductile Iron Cross	30,194.08	1,095.23
		For Cement Mortar Lining (CML), Add	2,853.47	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,136.24	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,140.10	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0372	EA	48" x 20" Mechanical Joint Ductile Iron Cross	30,610.00	1,182.94
		For Cement Mortar Lining (CML), Add	2,881.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,187.18	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,161.33	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0373	EA	48" x 24" Mechanical Joint Ductile Iron Cross	31,308.44	1,291.34
		For Cement Mortar Lining (CML), Add	2,935.19	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,283.33	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,201.39	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0374	EA	48" x 30" Mechanical Joint Ductile Iron Cross	33,163.30	1,455.40
		For Cement Mortar Lining (CML), Add	3,095.81	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	5,572.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,321.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0375	EA	48" x 36" Mechanical Joint Ductile Iron Cross	40,549.79	1,515.87
		For Cement Mortar Lining (CML), Add	3,825.30	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	6,885.54	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	2,868.98	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0376	EA	48" x 42" Mechanical Joint Ductile Iron Cross	52,011.75	1,550.85
		For Cement Mortar Lining (CML), Add	4,966.20	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	8,939.16	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,724.65	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0377	EA	48" x 48" Mechanical Joint Ductile Iron Cross	55,404.69	1,689.60
		For Cement Mortar Lining (CML), Add	5,284.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	9,512.02	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	3,963.34	
		Note: ANSI/AWWA C151/A21.51		

33 14 13 13-0378 Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0379	EA		4" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	197.10 10.87 19.57 8.15	58.33
33 14 13 13-0380	EA		6" x 3" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	230.74 12.00 21.59 9.00	73.11
33 14 13 13-0381	EA		6" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	249.15 13.12 23.62 9.84	77.85
33 14 13 13-0382	EA		8" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	312.96 17.99 32.39 13.49	87.72
33 14 13 13-0383	EA		8" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	346.45 19.12 34.41 14.34	102.48
33 14 13 13-0384	EA		10" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	374.74 23.43 42.17 17.57	92.69
33 14 13 13-0385	EA		10" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	409.19 24.74 44.53 18.56	106.78
33 14 13 13-0386	EA		10" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	447.81 27.18 48.92 20.38	116.18
33 14 13 13-0387	EA		12" x 4" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	450.81 29.61 53.31 22.21	102.09
33 14 13 13-0388	EA		12" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	502.15 32.61 58.70 24.46	116.18
33 14 13 13-0389	EA		12" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	525.77 33.55 60.39 25.16	125.57
33 14 13 13-0390	EA		12" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	575.14 37.11 66.80 27.83	134.66
33 14 13 13-0391	EA		14" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	923.07 72.35 130.23 54.26	131.73

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0392	EA	14" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	899.83	141.14
		For Cement Mortar Lining (CML), Add	68.60	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	123.48	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	51.45	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0393	EA	14" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	812.37	150.20
		For Cement Mortar Lining (CML), Add	58.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	105.26	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	43.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0394	EA	14" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	854.71	159.59
		For Cement Mortar Lining (CML), Add	61.29	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	110.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	45.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0395	EA	16" x 6" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,083.65	153.59
		For Cement Mortar Lining (CML), Add	85.09	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	153.17	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	63.82	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0396	EA	16" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,066.04	162.99
		For Cement Mortar Lining (CML), Add	81.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	147.43	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.43	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0397	EA	16" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,049.80	172.08
		For Cement Mortar Lining (CML), Add	78.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	142.04	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	59.18	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0398	EA	16" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,137.14	181.47
		For Cement Mortar Lining (CML), Add	86.22	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	155.19	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	64.66	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0399	EA	16" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,263.78	197.01
		For Cement Mortar Lining (CML), Add	96.53	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	173.75	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	72.40	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0400	EA	18" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,354.21	199.79
		For Cement Mortar Lining (CML), Add	105.15	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	189.27	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	78.86	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0401	EA	18" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,514.15	208.87
		For Cement Mortar Lining (CML), Add	119.77	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	215.58	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.83	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0402	EA	18" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,464.66	218.27
		For Cement Mortar Lining (CML), Add	113.40	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	204.11	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	85.05	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0403	EA	18" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,553.82	233.81
		For Cement Mortar Lining (CML), Add	119.96	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	215.92	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	89.97	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0404	EA	18" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	1,639.44	255.69
		For Cement Mortar Lining (CML), Add	125.21	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	225.37	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	93.90	
		Note: ANSI/AWWA C151/A21.51		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0405	EA		20" x 8" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,909.11 149.57 269.23 112.18	272.85
33 14 13 13-0406	EA		20" x 10" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,836.64 140.95 253.71 105.71	281.93
33 14 13 13-0407	EA		20" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,702.81 126.14 227.06 94.61	291.32
33 14 13 13-0408	EA		20" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,717.00 125.21 225.37 93.90	306.86
33 14 13 13-0409	EA		20" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,776.37 127.83 230.09 95.87	328.74
33 14 13 13-0410	EA		20" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,122.65 156.88 282.39 117.66	365.54
33 14 13 13-0411	EA		24" x 12" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,484.16 193.24 347.84 144.93	364.14
33 14 13 13-0412	EA		24" x 14" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,556.45 198.12 356.61 148.59	379.70
33 14 13 13-0413	EA		24" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,615.83 200.74 361.33 150.56	401.57
33 14 13 13-0414	EA		24" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,583.48 191.93 345.47 143.95	438.36
33 14 13 13-0415	EA		24" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,151.50 237.66 427.80 178.25	511.42
33 14 13 13-0416	EA		30" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,044.63 435.78 784.40 326.83	453.32
33 14 13 13-0417	EA		30" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	5,272.82 453.02 815.44 339.77	490.11

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0418	EA	30" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,132.35	563.16
		For Cement Mortar Lining (CML), Add	427.91	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	770.23	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	320.93	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0419	EA	30" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,038.40	635.99
		For Cement Mortar Lining (CML), Add	407.48	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	733.46	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	305.61	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0420	EA	36" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,544.14	603.69
		For Cement Mortar Lining (CML), Add	662.95	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,193.30	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	497.21	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0421	EA	36" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,288.11	676.51
		For Cement Mortar Lining (CML), Add	526.31	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	947.36	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	394.73	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0422	EA	36" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	6,827.61	728.26
		For Cement Mortar Lining (CML), Add	572.42	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,030.35	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	429.31	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0423	EA	42" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,734.31	516.49
		For Cement Mortar Lining (CML), Add	895.18	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,611.32	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	671.38	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0424	EA	42" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,707.59	553.28
		For Cement Mortar Lining (CML), Add	886.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,596.47	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	665.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0425	EA	42" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,788.28	626.33
		For Cement Mortar Lining (CML), Add	883.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,591.07	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	662.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0426	EA	42" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	10,923.89	699.17
		For Cement Mortar Lining (CML), Add	986.46	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,775.62	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	739.84	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0427	EA	42" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,056.76	750.92
		For Cement Mortar Lining (CML), Add	791.90	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,425.42	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	593.93	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0428	EA	42" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,481.77	791.43
		For Cement Mortar Lining (CML), Add	828.26	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	1,490.87	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	621.20	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0429	EA	48" x 16" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	13,076.56	552.59
		For Cement Mortar Lining (CML), Add	1,223.93	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,203.08	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	917.95	
		Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0430	EA	48" x 18" Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,693.72	589.38
		For Cement Mortar Lining (CML), Add	1,180.07	
		Note: ANSI/AWWA C104/A21.4		
		For Fusion Bonded Epoxy Lining (206N), Add	2,124.13	
		Note: ANSI/AWWA C104/A21.4		
		For Bituminous Or Coal Tar Coating, 1 Mil, Add	885.05	
		Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0431	EA		48" x 20" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,129.64 1,112.60 2,002.67 834.45	662.44
33 14 13 13-0432	EA		48" x 24" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	12,523.02 1,140.90 2,053.62 855.67	735.26
33 14 13 13-0433	EA		48" x 30" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,938.71 1,374.63 2,474.33 1,030.97	787.01
33 14 13 13-0434	EA		48" x 36" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	13,123.91 1,187.01 2,136.61 890.26	827.53
33 14 13 13-0435	EA		48" x 42" Mechanical Joint x Mechanical Joint Ductile Iron Reducer..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	14,391.53 1,310.34 2,358.61 982.75	850.18
<b>33 14 13 13-0436</b>			<b>Mechanical Joint Ductile Iron Caps</b> <small>(33 14 13 13-0002)</small>		
33 14 13 13-0437	EA		3" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	235.36 4.87 8.77 3.65	123.18
33 14 13 13-0438	EA		4" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	269.59 5.06 9.11 3.80	144.52
33 14 13 13-0439	EA		6" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	363.69 9.00 16.19 6.75	180.66
33 14 13 13-0440	EA		8" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	462.78 15.00 26.99 11.25	206.49
33 14 13 13-0441	EA		10" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	663.78 18.93 34.08 14.20	313.15
33 14 13 13-0442	EA		12" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	800.63 28.30 50.94 21.23	341.62
33 14 13 13-0443	EA		14" Mechanical Joint Ductile Iron Caps ..... <i>For Cement Mortar Lining (CML), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Fusion Bonded Epoxy Lining (206N), Add</i> <i>Note: ANSI/AWWA C104/A21.4</i> <i>For Bituminous Or Coal Tar Coating, 1 Mil, Add</i> <i>Note: ANSI/AWWA C151/A21.51</i>	998.59 42.92 77.26 32.19	375.78

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0444 EA 16" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,208.05 57.54 103.58 43.16	417.48
33 14 13 13-0445 EA 18" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,414.58 70.29 126.52 52.72	469.73
33 14 13 13-0446 EA 20" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,722.43 90.91 163.63 68.18	536.78
33 14 13 13-0447 EA 24" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,197.25 124.83 224.69 93.62	626.30
33 14 13 13-0448 EA 30" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,993.33 285.46 513.83 214.09	751.56
33 14 13 13-0449 EA 36" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,615.29 519.19 934.54 389.39	939.45
33 14 13 13-0450 EA 42" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,582.12 787.40 1,417.32 590.55	1,127.34
33 14 13 13-0451 EA 48" Mechanical Joint Ductile Iron Caps ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	11,385.70 948.78 1,707.81 711.59	1,252.62
<b>33 14 13 13-0452 Mechanical Joint Ductile Iron Plug (33 14 13 13-0002)</b>		
33 14 13 13-0453 EA 3" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	242.86 5.62 10.12 4.22	123.18
33 14 13 13-0454 EA 4" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	280.83 6.19 11.13 4.64	144.52
33 14 13 13-0455 EA 6" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	393.68 12.00 21.59 9.00	180.66
33 14 13 13-0456 EA 8" Mechanical Joint Ductile Iron Plug ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	492.76 17.99 32.39 13.49	206.49

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0457	EA		10" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	785.61 31.11 56.01 23.34	313.15
33 14 13 13-0458	EA		12" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	834.37 31.68 57.02 23.76	341.62
33 14 13 13-0459	EA		14" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,214.14 64.48 116.06 48.36	375.78
33 14 13 13-0460	EA		16" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	715.10 8.25 14.84 6.19	417.48
33 14 13 13-0461	EA		18" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,735.09 102.34 184.21 76.75	469.73
33 14 13 13-0462	EA		20" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,159.14 134.58 242.24 100.93	536.78
33 14 13 13-0463	EA		24" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,815.77 186.68 336.03 140.01	626.30
33 14 13 13-0464	EA		30" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,844.27 370.55 667.00 277.91	751.56
33 14 13 13-0465	EA		36" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	7,147.59 572.42 1,030.35 429.31	939.45
33 14 13 13-0466	EA		42" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	9,649.59 794.15 1,429.47 595.61	1,127.34
33 14 13 13-0467	EA		48" Mechanical Joint Ductile Iron Plug..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,484.05 1,058.62 1,905.51 793.96	1,252.62
33 14 13 13-0468			<b>Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters</b> (33 14 13 13-0002)		
33 14 13 13-0469	EA		3" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	405.51 12.18 21.93 9.14	187.22



**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0470	EA		4" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	459.67	216.79
			For Cement Mortar Lining (CML), Add	13.12	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	23.62	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.84	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0471	EA		6" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	592.39	270.99
			For Cement Mortar Lining (CML), Add	18.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	32.73	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	13.64	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0472	EA		8" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	744.76	309.65
			For Cement Mortar Lining (CML), Add	27.55	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	49.59	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	20.66	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0473	EA		10" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,191.54	469.73
			For Cement Mortar Lining (CML), Add	47.98	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	86.37	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	35.99	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0474	EA		12" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,391.19	512.43
			For Cement Mortar Lining (CML), Add	61.48	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	110.66	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	46.11	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0475	EA		14" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,830.57	563.67
			For Cement Mortar Lining (CML), Add	97.65	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	175.77	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	73.24	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0476	EA		16" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	2,064.17	626.30
			For Cement Mortar Lining (CML), Add	111.52	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	200.74	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	83.64	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0477	EA		18" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	2,773.19	704.59
			For Cement Mortar Lining (CML), Add	170.56	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	307.01	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	127.92	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0478	EA		20" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	3,251.84	805.22
			For Cement Mortar Lining (CML), Add	203.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	365.72	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	152.38	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0479	EA		24" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	3,925.64	939.45
			For Cement Mortar Lining (CML), Add	250.22	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	450.40	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	187.67	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0480	EA		30" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	6,313.30	1,127.34
			For Cement Mortar Lining (CML), Add	460.52	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	828.94	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	345.39	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0481	EA		36" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	8,734.61	1,409.19
			For Cement Mortar Lining (CML), Add	659.95	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,187.91	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	494.96	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0482	EA		42" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	11,641.19	1,610.46
			For Cement Mortar Lining (CML), Add	920.10	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	1,656.19	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	690.08	
			Note: ANSI/AWWA C151/A21.51		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0483	EA		48" Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	14,370.16	1,878.92
			For Cement Mortar Lining (CML), Add	1,152.33	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	2,074.20	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	864.25	
			Note: ANSI/AWWA C151/A21.51		
<b>33 14 13 13-0484</b>			<b>Mechanical Joint Ductile Iron Long Sleeves</b> (33 14 13 13-0002)		
33 14 13 13-0485	EA		3" Mechanical Joint Ductile Iron Long Sleeves .....	386.77	187.22
			For Cement Mortar Lining (CML), Add	10.31	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	18.56	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	7.73	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0486	EA		4" Mechanical Joint Ductile Iron Long Sleeves .....	450.30	216.79
			For Cement Mortar Lining (CML), Add	12.18	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	21.93	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	9.14	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0487	EA		6" Mechanical Joint Ductile Iron Long Sleeves .....	614.88	270.99
			For Cement Mortar Lining (CML), Add	20.43	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	36.77	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	15.32	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0488	EA		8" Mechanical Joint Ductile Iron Long Sleeves .....	804.74	309.65
			For Cement Mortar Lining (CML), Add	33.55	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	60.39	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	25.16	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0489	EA		10" Mechanical Joint Ductile Iron Long Sleeves .....	1,110.94	469.73
			For Cement Mortar Lining (CML), Add	39.92	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	71.86	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	29.94	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0490	EA		12" Mechanical Joint Ductile Iron Long Sleeves .....	1,316.21	512.43
			For Cement Mortar Lining (CML), Add	53.98	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	97.16	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	40.49	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0491	EA		14" Mechanical Joint Ductile Iron Long Sleeves .....	1,669.38	563.67
			For Cement Mortar Lining (CML), Add	81.53	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	146.76	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	61.15	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0492	EA		16" Mechanical Joint Ductile Iron Long Sleeves .....	1,981.70	626.30
			For Cement Mortar Lining (CML), Add	103.28	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	185.90	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	77.46	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0493	EA		18" Mechanical Joint Ductile Iron Long Sleeves .....	2,388.96	704.59
			For Cement Mortar Lining (CML), Add	132.14	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	237.85	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	99.11	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0494	EA		20" Mechanical Joint Ductile Iron Long Sleeves .....	2,815.13	805.22
			For Cement Mortar Lining (CML), Add	159.51	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	287.11	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	119.63	
			Note: ANSI/AWWA C151/A21.51		
33 14 13 13-0495	EA		24" Mechanical Joint Ductile Iron Long Sleeves .....	3,524.53	939.45
			For Cement Mortar Lining (CML), Add	210.11	
			Note: ANSI/AWWA C104/A21.4		
			For Fusion Bonded Epoxy Lining (206N), Add	378.20	
			Note: ANSI/AWWA C104/A21.4		
			For Bituminous Or Coal Tar Coating, 1 Mil, Add	157.58	
			Note: ANSI/AWWA C151/A21.51		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0496 EA 30" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,109.00 440.09 792.16 330.07	1,127.34
33 14 13 13-0497 EA 36" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,314.76 617.96 1,112.33 463.47	1,409.19
33 14 13 13-0498 EA 42" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,703.12 826.58 1,487.84 619.93	1,608.60
33 14 13 13-0499 EA 48" Mechanical Joint Ductile Iron Long Sleeves ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	14,458.25 1,161.14 2,090.05 870.86	1,878.92
<b>33 14 13 13-0500 Mechanical Joint Ductile Iron Gland Packs</b> <small>(33 14 13 13-0002)</small> Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts.		
<b>33 14 13 13-0501 Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts</b> <small>(33 14 13 13-0500)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0502 EA 3" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....	37.49	
33 14 13 13-0503 EA 4" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	40.26	
33 14 13 13-0504 EA 6" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	48.65	
33 14 13 13-0505 EA 8" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	57.04	
33 14 13 13-0506 EA 10" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	78.85	
33 14 13 13-0507 EA 12" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	83.88	
33 14 13 13-0508 EA 14" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	137.56	
33 14 13 13-0509 EA 16" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	145.95	
33 14 13 13-0510 EA 18" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	194.60	
33 14 13 13-0511 EA 20" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	251.64	
33 14 13 13-0512 EA 24" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.	350.62	
33 14 13 13-0513 EA 30" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.	837.12	
33 14 13 13-0514 EA 36" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.	1,805.10	
33 14 13 13-0515 EA 42" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.	2,635.51	
33 14 13 13-0516 EA 48" Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts ..... Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.	3,234.41	
<b>33 14 13 13-0517 Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts</b> <small>(33 14 13 13-0500)</small> Note: Labor installation is included with pipe fittings or valves.		
33 14 13 13-0518 EA 3" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts.....	63.73	
33 14 13 13-0519 EA 4" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.	57.04	
33 14 13 13-0520 EA 6" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	72.14	
33 14 13 13-0521 EA 8" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts..... Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.	78.85	
33 14 13 13-0522 EA 10" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	109.04	
33 14 13 13-0523 EA 12" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.	114.08	
33 14 13 13-0524 EA 14" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.	172.79	
33 14 13 13-0525 EA 16" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	189.57	
33 14 13 13-0526 EA 18" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.	251.64	
33 14 13 13-0527 EA 20" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts ..... Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.	325.45	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0528	EA		24" Mechanical Joint Gland, Gasket, Star Blue Fluoropolymer Coated T-Head Bolts And Nuts .....454.63 Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
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**33 14 13 13-0529 Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts** (33 14 13-0500)

Note: Labor installation is included with pipe fittings or valves.

33 14 13 13-0530	EA		3" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....41.24		
33 14 13 13-0531	EA		4" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....43.62 Note: Includes four (4) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0532	EA		6" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....52.01 Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0533	EA		8" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....62.07 Note: Includes six (6) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0534	EA		10" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....85.56 Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0535	EA		12" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....90.59 Note: Includes eight (8) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0536	EA		14" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....149.31 Note: Includes ten (10) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0537	EA		16" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....157.69 Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0538	EA		18" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....213.06 Note: Includes twelve (12) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0539	EA		20" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....273.45 Note: Includes fourteen (14) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0540	EA		24" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....382.49 Note: Includes sixteen (16) 3/4" diameter plain finish Boltss with nut.		
33 14 13 13-0541	EA		30" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....915.97 Note: Includes twenty (20) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0542	EA		36" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....2,029.90 Note: Includes twenty-four (24) 1" diameter plain finish Boltss with nut.		
33 14 13 13-0543	EA		42" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....2,939.16 Note: Includes twenty-eight (28) 1-1/4" diameter plain finish Boltss with nut.		
33 14 13 13-0544	EA		48" Epoxy Coated Mechanical Joint Gland, Gasket, T-Head Bolts And Nuts .....3,616.91 Note: Includes thirty-two (32) 1-1/4" diameter plain finish Boltss with nut.		

**33 14 13 13-0545 Mechanical Joint Restraints With Accessories For Ductile Iron Pipe (MEGALUG® 1100DEC Series)** (33 14 13 13-0002)

Note: Includes ductile iron retainer gland, gasket, break off torque bolts and all nuts and bolts. Excludes pipe and fitting.

33 14 13 13-0546	EA		3" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1103DSC).....234.27		93.91
33 14 13 13-0547	EA		4" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1104DEC).....268.47		111.23
33 14 13 13-0548	EA		6" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1106DEC).....332.95		137.65
33 14 13 13-0549	EA		8" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1108DEC).....412.17		160.65
33 14 13 13-0550	EA		10" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1110DEC).....597.13		234.86
33 14 13 13-0551	EA		12" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1112DEC).....730.12		268.46
33 14 13 13-0552	EA		14" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1114DEC).....843.46		288.95
33 14 13 13-0553	EA		16" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1116DEC).....1,027.13		313.15
33 14 13 13-0554	EA		18" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1118DEC).....1,310.53		375.78
33 14 13 13-0555	EA		20" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1120DEC).....1,539.35		417.34
33 14 13 13-0556	EA		24" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1124DEC).....1,981.76		481.54
33 14 13 13-0557	EA		30" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1130DEC).....3,745.08		577.49
33 14 13 13-0558	EA		36" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1136DEC).....4,627.50		722.67
33 14 13 13-0559	EA		42" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1142DEC).....6,762.91		833.84
33 14 13 13-0560	EA		48" Mechanical Joint Restraints For Ductile Iron Pipe (MEGALUG® 1148DEC).....8,661.98		1,072.41

**33 14 13 13-0561 Mechanical Joint Ductile Iron Force Balanced Flexible Expansion Joint (FLEX-TEND®)** (33 14 13 13-0002)

33 14 13 13-0562	EA		3" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....4,451.98		76.86
33 14 13 13-0563	EA		4" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....4,640.07		96.07
33 14 13 13-0564	EA		6" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....6,733.32		141.98
33 14 13 13-0565	EA		8" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....9,144.32		168.42
33 14 13 13-0566	EA		10" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....11,520.56		187.47
33 14 13 13-0567	EA		12" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....15,357.59		219.92
33 14 13 13-0568	EA		14" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....18,911.94		246.60
33 14 13 13-0569	EA		16" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....22,370.99		281.84
33 14 13 13-0570	EA		18" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....25,242.69		394.57
33 14 13 13-0571	EA		20" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....33,948.85		493.22
33 14 13 13-0572	EA		24" Mechanical Joint Ductile Iron FLEX-TEND® Force Balanced Flexible Expansion Joint.....47,032.93		657.62

**33 14 13 13-0573 Set Screw Flange Adapter For Ductile Iron Pipe (E-Z Flange 1000DSM Series)** (33 14 13 13-0002)

Note: Includes machined bolts and gasket.

33 14 13 13-0574	EA		3" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1003DSM) .....232.79		93.91
33 14 13 13-0575	EA		4" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1004DSM) .....296.02		111.23
33 14 13 13-0576	EA		6" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1006DSM) .....380.73		137.65
33 14 13 13-0577	EA		8" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1008DSM) .....435.60		160.65
33 14 13 13-0578	EA		10" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1010DSM) .....754.25		246.35
33 14 13 13-0579	EA		12" E-Z Flange Set Screw Flange Adapter For Ductile Iron Pipe (EBAA Iron 1012DSM) .....854.44		281.59

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 13-0580	Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2100 Series) (33 14 13 13-0002)		
Note: Includes nuts, bolts and gasket.			
33 14 13 13-0581	EA 3" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 2103000)	326.38	93.91
33 14 13 13-0582	EA 4" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210400)	404.30	111.23
33 14 13 13-0583	EA 6" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210600)	554.82	137.65
33 14 13 13-0584	EA 8" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 210800)	790.61	160.65
33 14 13 13-0585	EA 10" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211000)	1,149.51	246.35
33 14 13 13-0586	EA 12" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211200)	1,421.75	281.59
33 14 13 13-0587	EA 14" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211400)	2,151.25	303.09
33 14 13 13-0588	EA 16" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211600)	2,985.81	328.47
33 14 13 13-0589	EA 18" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 211800)	3,383.98	394.16
33 14 13 13-0590	EA 20" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212000)	3,738.79	437.75
33 14 13 13-0591	EA 24" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 212400)	4,515.65	505.09
33 14 13 13-0592	EA 30" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213000)	5,796.32	605.72
33 14 13 13-0593	EA 36" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 213600)	8,613.25	758.01
33 14 13 13-0594	EA 42" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214200)	22,134.16	874.62
33 14 13 13-0595	EA 48" Restrained Flange Adapter For Ductile Iron Pipe (MEGAFLANGE® 214800)	28,352.10	1,124.85
33 14 13 13-0596	Mechanical Joint x Restrained Plain End Ductile Iron Flexiable Ball Joint (33 14 13 13-0002)		
Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.			
33 14 13 13-0597	EA 4" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	1,296.29	144.52
33 14 13 13-0598	EA 6" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	2,045.47	180.66
33 14 13 13-0599	EA 8" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	2,702.66	206.49
33 14 13 13-0600	EA 10" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	3,743.61	313.15
33 14 13 13-0601	EA 12" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	4,875.15	341.62
33 14 13 13-0602	EA 14" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	5,640.44	375.78
33 14 13 13-0603	EA 16" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	6,269.51	417.48
33 14 13 13-0604	EA 18" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	8,931.35	469.73
33 14 13 13-0605	EA 20" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	9,142.55	536.78
33 14 13 13-0606	EA 24" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	15,881.77	626.30
33 14 13 13-0607	EA 30" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	55,163.88	751.56
33 14 13 13-0608	EA 36" Diameter, Mechanical Joint x Restrained Plain End, Ductile Iron, Flexiable Ball Joint	78,284.18	939.45
33 14 13 13-0609	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Piping (33 14 13 13-0001)		
Note: See CSI section 33 14 13 13-0500 for bolts and gaskets.			
33 14 13 13-0610	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow (33 14 13 13-0609)		
33 14 13 13-0611	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	480.45	53.60
33 14 13 13-0612	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	575.00	64.20
33 14 13 13-0613	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	891.18	94.06
33 14 13 13-0614	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,214.19	111.98
33 14 13 13-0615	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	1,658.79	125.26
33 14 13 13-0616	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,100.11	146.61
33 14 13 13-0617	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	2,974.35	165.12
33 14 13 13-0618	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	3,605.98	187.89
33 14 13 13-0619	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	4,366.44	263.33
33 14 13 13-0620	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	5,442.63	328.81
33 14 13 13-0621	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	7,688.44	438.41
33 14 13 13-0622	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	12,251.90	469.73
33 14 13 13-0623	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	17,993.79	488.23
33 14 13 13-0624	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	29,585.50	563.67
33 14 13 13-0625	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 90 Degree Elbow	38,666.75	599.26
33 14 13 13-0626	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow (33 14 13 13-0609)		
33 14 13 13-0627	EA 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	459.83	53.60
33 14 13 13-0628	EA 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	539.39	64.20
33 14 13 13-0629	EA 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	829.33	94.06
33 14 13 13-0630	EA 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,118.60	111.98
33 14 13 13-0631	EA 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,456.36	125.26
33 14 13 13-0632	EA 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	1,918.30	146.61
33 14 13 13-0633	EA 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	2,584.49	165.12
33 14 13 13-0634	EA 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,092.41	187.89
33 14 13 13-0635	EA 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	3,667.31	263.33
33 14 13 13-0636	EA 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	4,454.86	328.81
33 14 13 13-0637	EA 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	5,872.23	438.41
33 14 13 13-0638	EA 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	10,720.58	469.73
33 14 13 13-0639	EA 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	14,783.08	488.23
33 14 13 13-0640	EA 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	21,927.03	563.67
33 14 13 13-0641	EA 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 45 Degree Elbow	28,039.35	599.26
33 14 13 13-0642	Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow (33 14 13 13-0609)		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 13-0643	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	360.49	53.60
33 14 13 13-0644	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	533.77	64.20
33 14 13 13-0645	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	806.84	94.06
33 14 13 13-0646	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,111.10	111.98
33 14 13 13-0647	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,454.49	125.26
33 14 13 13-0648	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	1,809.59	146.61
33 14 13 13-0649	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	2,599.49	165.12
33 14 13 13-0650	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,024.94	187.89
33 14 13 13-0651	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	3,650.45	263.33
33 14 13 13-0652	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	4,610.43	328.81
33 14 13 13-0653	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	5,748.52	438.41
33 14 13 13-0654	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	9,552.88	469.73
33 14 13 13-0655	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	13,002.48	488.23
33 14 13 13-0656	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	18,573.87	563.67
33 14 13 13-0657	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 22-1/2 Degree Elbow	23,752.78	599.26

**33 14 13 13-0658 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow** (33 14 13 13-0609)

33 14 13 13-0659	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	360.49	53.60
33 14 13 13-0660	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	636.85	64.20
33 14 13 13-0661	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	814.34	94.06
33 14 13 13-0662	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,077.36	111.98
33 14 13 13-0663	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,450.74	125.26
33 14 13 13-0664	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	1,758.98	146.61
33 14 13 13-0665	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	2,796.29	165.12
33 14 13 13-0666	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	3,116.78	187.89
33 14 13 13-0667	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,182.75	263.33
33 14 13 13-0668	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	4,449.24	328.81
33 14 13 13-0669	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	5,750.39	438.41
33 14 13 13-0670	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	9,676.58	469.73
33 14 13 13-0671	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	12,648.23	488.23
33 14 13 13-0672	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	18,067.80	563.67
33 14 13 13-0673	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron 11-1/4 Degree Elbow	23,617.83	599.26

**33 14 13 13-0674 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow** (33 14 13 13-0609)

33 14 13 13-0675	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	422.35	53.60
33 14 13 13-0676	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	618.11	64.20
33 14 13 13-0677	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	962.41	94.06
33 14 13 13-0678	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,304.15	111.98
33 14 13 13-0679	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	1,789.99	125.26
33 14 13 13-0680	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	2,244.43	146.61
33 14 13 13-0681	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	4,010.85	165.12
33 14 13 13-0682	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	6,243.14	187.89
33 14 13 13-0683	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	7,146.05	263.33
33 14 13 13-0684	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,242.86	328.81
33 14 13 13-0685	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 90 Degree Elbow	8,932.99	438.41

**33 14 13 13-0686 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow** (33 14 13 13-0609)

33 14 13 13-0687	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	422.35	53.60
33 14 13 13-0688	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	546.88	64.20
33 14 13 13-0689	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	859.32	94.06
33 14 13 13-0690	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,210.44	111.98
33 14 13 13-0691	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	1,600.68	125.26
33 14 13 13-0692	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,079.49	146.61
33 14 13 13-0693	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	2,764.43	165.12
33 14 13 13-0694	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	3,319.20	187.89
33 14 13 13-0695	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,190.14	263.33
33 14 13 13-0696	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,507.23	328.81
33 14 13 13-0697	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Plain End (MJxPE) Ductile Iron 45 Degree Elbow	6,800.01	438.41

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 14 13 13-0698		Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee <small>(33 14 13 13-0609)</small>			
33 14 13 13-0699	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	596.04		80.41
33 14 13 13-0700	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	650.92		90.65
33 14 13 13-0701	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	686.88		94.06
33 14 13 13-0702	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	975.37		119.23
33 14 13 13-0703	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,055.92		123.92
33 14 13 13-0704	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,115.80		138.85
33 14 13 13-0705	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,293.86		143.33
33 14 13 13-0706	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,400.60		158.26
33 14 13 13-0707	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,539.24		168.71
33 14 13 13-0708	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,729.17		155.16
33 14 13 13-0709	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,729.90		169.39
33 14 13 13-0710	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	1,873.47		179.35
33 14 13 13-0711	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,020.30		187.89
33 14 13 13-0712	EA	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,078.15		173.66
33 14 13 13-0713	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,099.48		187.89
33 14 13 13-0714	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,269.30		197.85
33 14 13 13-0715	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,611.06		206.40
33 14 13 13-0716	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,619.67		216.36
33 14 13 13-0717	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	2,961.92		219.21
33 14 13 13-0718	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,202.96		229.17
33 14 13 13-0719	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,878.35		237.71
33 14 13 13-0720	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,093.14		247.67
33 14 13 13-0721	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,799.94		263.33
33 14 13 13-0722	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,543.52		263.33
33 14 13 13-0723	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	3,734.09		271.87
33 14 13 13-0724	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,469.45		281.84
33 14 13 13-0725	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,198.79		290.38
33 14 13 13-0726	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,461.28		306.04
33 14 13 13-0727	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,952.73		328.81
33 14 13 13-0728	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,650.42		337.35
33 14 13 13-0729	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	4,902.71		345.90
33 14 13 13-0730	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,221.98		354.43
33 14 13 13-0731	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,517.36		364.40
33 14 13 13-0732	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,670.25		380.06
33 14 13 13-0733	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,057.63		401.40
33 14 13 13-0734	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,760.03		438.41
33 14 13 13-0735	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,368.49		482.54
33 14 13 13-0736	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,459.58		492.50
33 14 13 13-0737	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	5,990.65		501.04
33 14 13 13-0738	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,282.29		511.00
33 14 13 13-0739	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,347.08		526.66
33 14 13 13-0740	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,273.38		548.01
33 14 13 13-0741	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,993.53		585.03
33 14 13 13-0742	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,852.18		657.62
33 14 13 13-0743	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,526.34		627.73
33 14 13 13-0744	EA	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,589.32		639.11
33 14 13 13-0745	EA	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,708.03		646.24
33 14 13 13-0746	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	6,883.44		656.20
33 14 13 13-0747	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	7,812.29		671.86
33 14 13 13-0748	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	8,147.22		693.21
33 14 13 13-0749	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,998.57		730.22
33 14 13 13-0750	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,334.18		804.23
33 14 13 13-0751	EA	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	9,722.90		876.82
33 14 13 13-0752	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,338.97		731.64
33 14 13 13-0753	EA	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	10,805.92		741.60
33 14 13 13-0754	EA	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,413.83		750.14
33 14 13 13-0755	EA	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,024.09		760.11
33 14 13 13-0756	EA	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	12,891.09		775.76
33 14 13 13-0757	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,827.66		1,031.98
33 14 13 13-0758	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,774.70		834.13
33 14 13 13-0759	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,774.80		906.72
33 14 13 13-0760	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,359.34		979.31
33 14 13 13-0761	EA	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	17,110.54		1,031.98
33 14 13 13-0762	EA	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	11,717.81		822.74
33 14 13 13-0763	EA	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,092.31		831.28
33 14 13 13-0764	EA	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	13,835.65		841.24
33 14 13 13-0765	EA	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,363.40		856.90
33 14 13 13-0766	EA	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	14,895.11		878.25
33 14 13 13-0767	EA	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	15,918.01		915.26
33 14 13 13-0768	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	16,997.72		987.86
33 14 13 13-0769	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	18,826.82		1,060.45
33 14 13 13-0770	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	21,244.39		1,152.97
33 14 13 13-0771	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	24,450.89		1,152.97
33 14 13 13-0772	EA	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	27,751.77		886.80
33 14 13 13-0773	EA	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	28,309.51		901.02
33 14 13 13-0774	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	31,120.38		923.80
33 14 13 13-0775	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,453.34		960.81
33 14 13 13-0776	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,564.02		1,033.40
33 14 13 13-0777	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	29,470.37		1,106.00
33 14 13 13-0778	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,004.25		1,158.67
33 14 13 13-0779	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	37,124.33		1,198.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0780	EA		42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	39,122.94	1,221.30
33 14 13 13-0781	EA		48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,348.27	957.96
33 14 13 13-0782	EA		48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	32,928.49	973.62
33 14 13 13-0783	EA		48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	33,752.60	996.40
33 14 13 13-0784	EA		48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	34,593.70	1,031.98
33 14 13 13-0785	EA		48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,495.34	1,106.00
33 14 13 13-0786	EA		48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	35,710.64	1,178.59
33 14 13 13-0787	EA		48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,336.26	1,229.83
33 14 13 13-0788	EA		48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	30,887.25	1,271.11
33 14 13 13-0789	EA		48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	38,673.76	1,293.89
33 14 13 13-0790	EA		48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Tee.....	51,445.71	1,329.47

**33 14 13 13-0791**

**Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Laterals)** (33 14 13 13-0609)

33 14 13 13-0792	EA		3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	668.48	89.86
33 14 13 13-0793	EA		4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	734.08	89.86
33 14 13 13-0794	EA		4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	859.32	94.06
33 14 13 13-0795	EA		6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	951.01	119.23
33 14 13 13-0796	EA		6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,059.67	123.92
33 14 13 13-0797	EA		6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,293.86	138.85
33 14 13 13-0798	EA		8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,693.09	143.33
33 14 13 13-0799	EA		8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,565.54	158.26
33 14 13 13-0800	EA		8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	1,758.53	168.71
33 14 13 13-0801	EA		10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,477.03	155.16
33 14 13 13-0802	EA		10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,580.84	169.39
33 14 13 13-0803	EA		10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	2,885.61	179.35
33 14 13 13-0804	EA		10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,148.64	187.89
33 14 13 13-0805	EA		12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,020.93	173.66
33 14 13 13-0806	EA		12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,424.63	187.89
33 14 13 13-0807	EA		12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,049.90	197.85
33 14 13 13-0808	EA		12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,054.28	206.40
33 14 13 13-0809	EA		12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	3,744.27	216.36
33 14 13 13-0810	EA		14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,446.38	219.21
33 14 13 13-0811	EA		14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,109.15	229.17
33 14 13 13-0812	EA		14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,725.44	237.71
33 14 13 13-0813	EA		14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,212.01	247.67
33 14 13 13-0814	EA		14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,029.39	263.33
33 14 13 13-0815	EA		16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	4,632.63	263.33
33 14 13 13-0816	EA		16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	5,115.46	271.87
33 14 13 13-0817	EA		16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,068.24	281.84
33 14 13 13-0818	EA		16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,260.54	290.38
33 14 13 13-0819	EA		16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,749.82	306.04
33 14 13 13-0820	EA		16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,333.11	328.81
33 14 13 13-0821	EA		18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	6,562.23	337.35
33 14 13 13-0822	EA		18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,076.92	345.90
33 14 13 13-0823	EA		18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,574.25	354.43
33 14 13 13-0824	EA		18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,113.30	364.40
33 14 13 13-0825	EA		18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,196.84	380.06
33 14 13 13-0826	EA		18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,291.82	401.40
33 14 13 13-0827	EA		18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,521.00	438.41
33 14 13 13-0828	EA		20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,733.88	482.54
33 14 13 13-0829	EA		20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	7,903.70	492.50
33 14 13 13-0830	EA		20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	8,704.66	501.04
33 14 13 13-0831	EA		20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,498.62	511.00
33 14 13 13-0832	EA		20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,587.78	526.66
33 14 13 13-0833	EA		20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,692.13	548.01
33 14 13 13-0834	EA		20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	11,258.60	585.03
33 14 13 13-0835	EA		20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	10,604.56	657.62
33 14 13 13-0836	EA		24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,377.18	627.73
33 14 13 13-0837	EA		24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	9,498.26	637.69
33 14 13 13-0838	EA		24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	10,614.11	646.24
33 14 13 13-0839	EA		24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	11,121.28	656.20
33 14 13 13-0840	EA		24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	12,889.82	671.86
33 14 13 13-0841	EA		24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	14,353.09	693.21
33 14 13 13-0842	EA		24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	16,086.37	730.22
33 14 13 13-0843	EA		24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	17,674.02	804.23
33 14 13 13-0844	EA		24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	15,585.77	876.82
33 14 13 13-0845	EA		30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	19,694.69	731.64
33 14 13 13-0846	EA		30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	22,126.81	741.60
33 14 13 13-0847	EA		30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	23,431.97	750.14
33 14 13 13-0848	EA		30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	24,739.48	760.11
33 14 13 13-0849	EA		30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	26,592.37	775.76
33 14 13 13-0850	EA		30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	28,584.18	797.12
33 14 13 13-0851	EA		30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	29,295.94	834.13
33 14 13 13-0852	EA		30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	30,323.17	906.72
33 14 13 13-0853	EA		30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	31,754.91	979.31
33 14 13 13-0854	EA		30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	34,434.88	1,031.98
33 14 13 13-0855	EA		36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	37,954.40	841.24
33 14 13 13-0856	EA		36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	39,453.05	856.90
33 14 13 13-0857	EA		36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	40,942.54	878.25
33 14 13 13-0858	EA		36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	43,819.14	915.26
33 14 13 13-0859	EA		36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	46,761.92	987.86
33 14 13 13-0860	EA		36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	51,891.70	1,060.45
33 14 13 13-0861	EA		36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral).....	58,175.99	1,113.12



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 13-0862	EA	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	69,533.91	1,152.97
33 14 13 13-0863	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	61,174.73	1,033.40
33 14 13 13-0864	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	62,673.95	1,106.00
33 14 13 13-0865	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	66,962.09	1,158.67
33 14 13 13-0866	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	76,651.86	1,198.52
33 14 13 13-0867	EA	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	90,524.29	1,221.30
33 14 13 13-0868	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	60,298.22	1,106.00
33 14 13 13-0869	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	68,336.93	1,178.59
33 14 13 13-0870	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	72,848.12	1,229.83
33 14 13 13-0871	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	83,120.80	1,271.11
33 14 13 13-0872	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	108,904.53	1,293.89
33 14 13 13-0873	EA	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Wye (Lateral)	119,618.48	1,329.47

**33 14 13 13-0874 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee**

(33 14 13 13-0609)

33 14 13 13-0875	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,185.15	138.85
33 14 13 13-0876	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	1,471.83	158.26
33 14 13 13-0877	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,104.76	169.39
33 14 13 13-0878	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	2,421.86	187.89
33 14 13 13-0879	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,199.96	219.21
33 14 13 13-0880	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	3,897.90	263.33
33 14 13 13-0881	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	4,603.56	337.35
33 14 13 13-0882	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	6,191.31	482.54
33 14 13 13-0883	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	7,228.64	627.73
33 14 13 13-0884	EA	30" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Hydrant Tee	13,098.95	731.64

**33 14 13 13-0885 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross**

(33 14 13 13-0609)

33 14 13 13-0886	EA	3" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	666.63	107.22
33 14 13 13-0887	EA	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	830.92	116.67
33 14 13 13-0888	EA	4" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,035.74	117.95
33 14 13 13-0889	EA	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,100.63	146.23
33 14 13 13-0890	EA	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,286.62	158.26
33 14 13 13-0891	EA	6" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,423.20	197.08
33 14 13 13-0892	EA	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,367.16	173.19
33 14 13 13-0893	EA	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,612.43	212.01
33 14 13 13-0894	EA	8" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,597.36	226.94
33 14 13 13-0895	EA	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,606.01	182.20
33 14 13 13-0896	EA	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	1,801.64	219.21
33 14 13 13-0897	EA	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,137.89	233.44
33 14 13 13-0898	EA	10" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,315.82	250.52
33 14 13 13-0899	EA	12 x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,060.78	197.85
33 14 13 13-0900	EA	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,385.75	234.86
33 14 13 13-0901	EA	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	2,588.92	249.10
33 14 13 13-0902	EA	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,018.02	266.18
33 14 13 13-0903	EA	12" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,444.69	281.84
33 14 13 13-0904	EA	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,559.03	257.64
33 14 13 13-0905	EA	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,217.66	271.87
33 14 13 13-0906	EA	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,320.63	290.38
33 14 13 13-0907	EA	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,559.86	304.61
33 14 13 13-0908	EA	14" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,052.76	328.81
33 14 13 13-0909	EA	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	3,983.68	291.80
33 14 13 13-0910	EA	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	4,556.10	304.61
33 14 13 13-0911	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	5,491.24	323.11
33 14 13 13-0912	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,139.10	338.77
33 14 13 13-0913	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,454.83	361.55
33 14 13 13-0914	EA	16" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,782.01	394.29
33 14 13 13-0915	EA	18" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	6,868.16	344.47
33 14 13 13-0916	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,266.28	358.71
33 14 13 13-0917	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	7,607.27	375.78
33 14 13 13-0918	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,262.61	391.44
33 14 13 13-0919	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,677.67	414.21
33 14 13 13-0920	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,295.39	446.96
33 14 13 13-0921	EA	18" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,752.62	501.04
33 14 13 13-0922	EA	20" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	8,635.47	432.72
33 14 13 13-0923	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,037.32	445.53
33 14 13 13-0924	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,312.72	464.03
33 14 13 13-0925	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	9,962.44	479.69
33 14 13 13-0926	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	10,125.44	502.47
33 14 13 13-0927	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,311.97	535.21
33 14 13 13-0928	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,769.21	587.87
33 14 13 13-0929	EA	20" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,783.03	676.12
33 14 13 13-0930	EA	24" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	11,817.39	540.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-0931	EA	24"	24" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,092.21	555.14
33 14 13 13-0932	EA	24"	24" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,556.48	572.22
33 14 13 13-0933	EA	24"	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	12,956.93	587.87
33 14 13 13-0934	EA	24"	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,179.91	610.65
33 14 13 13-0935	EA	24"	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	13,672.04	643.39
33 14 13 13-0936	EA	24"	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,215.31	697.48
33 14 13 13-0937	EA	24"	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,163.53	784.31
33 14 13 13-0938	EA	24"	24" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,089.65	892.48
33 14 13 13-0939	EA	30"	30" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,328.81	718.83
33 14 13 13-0940	EA	30"	30" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	18,692.29	735.91
33 14 13 13-0941	EA	30"	30" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,049.62	751.56
33 14 13 13-0942	EA	30"	30" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,471.29	774.35
33 14 13 13-0943	EA	30"	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	19,954.05	808.51
33 14 13 13-0944	EA	30"	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	20,514.39	861.17
33 14 13 13-0945	EA	30"	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	21,220.82	948.00
33 14 13 13-0946	EA	30"	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,347.29	1,057.60
33 14 13 13-0947	EA	30"	30" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	31,443.85	1,221.30
33 14 13 13-0948	EA	36"	36" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	25,674.05	778.61
33 14 13 13-0949	EA	36"	36" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,033.79	795.69
33 14 13 13-0950	EA	36"	36" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,344.26	811.35
33 14 13 13-0951	EA	36"	36" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	26,713.44	835.55
33 14 13 13-0952	EA	36"	36" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,145.60	868.29
33 14 13 13-0953	EA	36"	36" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	27,655.33	920.95
33 14 13 13-0954	EA	36"	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	28,314.91	1,009.21
33 14 13 13-0955	EA	36"	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	29,481.93	1,117.38
33 14 13 13-0956	EA	36"	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,804.97	1,281.08
33 14 13 13-0957	EA	36"	36" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	43,763.32	1,342.28
33 14 13 13-0958	EA	42"	42" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	34,543.03	846.94
33 14 13 13-0959	EA	42"	42" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,262.73	869.71
33 14 13 13-0960	EA	42"	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	35,681.75	903.87
33 14 13 13-0961	EA	42"	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	36,262.71	956.54
33 14 13 13-0962	EA	42"	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	37,310.27	1,044.79
33 14 13 13-0963	EA	42"	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	39,523.16	1,152.97
33 14 13 13-0964	EA	42"	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,046.85	1,316.66
33 14 13 13-0965	EA	42"	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	62,898.75	1,376.45
33 14 13 13-0966	EA	42"	42" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	67,425.72	1,412.04
33 14 13 13-0967	EA	48"	48" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	46,771.51	986.43
33 14 13 13-0968	EA	48"	48" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,080.74	1,009.21
33 14 13 13-0969	EA	48"	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,494.15	1,041.94
33 14 13 13-0970	EA	48"	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	47,940.14	1,094.61
33 14 13 13-0971	EA	48"	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	48,532.25	1,182.86
33 14 13 13-0972	EA	48"	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	49,562.44	1,291.04
33 14 13 13-0973	EA	48"	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	52,416.32	1,454.73
33 14 13 13-0974	EA	48"	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	64,340.53	1,515.95
33 14 13 13-0975	EA	48"	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	82,896.80	1,551.53
33 14 13 13-0976	EA	48"	48" x 48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Cross	88,269.01	1,689.60

**33 14 13 13-0977 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducers (33 14 13 13-0609)**

33 14 13 13-0978	EA	4"	4" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	472.63	58.33
33 14 13 13-0979	EA	6"	6" x 3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	659.96	73.11
33 14 13 13-0980	EA	6"	6" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	725.23	77.64
33 14 13 13-0981	EA	8"	8" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	950.23	88.09
33 14 13 13-0982	EA	8"	8" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	989.34	103.02
33 14 13 13-0983	EA	10"	10" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,161.95	92.53
33 14 13 13-0984	EA	10"	10" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,217.02	106.76
33 14 13 13-0985	EA	10"	10" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,266.88	116.72
33 14 13 13-0986	EA	12"	12" x 4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,342.99	102.49
33 14 13 13-0987	EA	12"	12" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,486.17	116.72
33 14 13 13-0988	EA	12"	12" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,511.67	125.26
33 14 13 13-0989	EA	12"	12" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	1,579.77	135.22
33 14 13 13-0990	EA	14"	14" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,319.44	132.37
33 14 13 13-0991	EA	14"	14" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,333.69	140.92
33 14 13 13-0992	EA	14"	14" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,034.42	150.88
33 14 13 13-0993	EA	14"	14" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,076.77	159.42
33 14 13 13-0994	EA	16"	16" x 6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,779.91	153.73
33 14 13 13-0995	EA	16"	16" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer	2,698.57	163.69



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-0996	EA	16" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,536.13	172.23
33 14 13 13-0997	EA	16" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,507.27	180.78
33 14 13 13-0998	EA	16" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	2,834.47	196.43
33 14 13 13-0999	EA	18" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,026.11	199.28
33 14 13 13-1000	EA	18" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,410.96	209.24
33 14 13 13-1001	EA	18" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,260.26	217.79
33 14 13 13-1002	EA	18" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,894.85	233.44
33 14 13 13-1003	EA	18" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,416.29	256.22
33 14 13 13-1004	EA	20" x 8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,030.84	273.29
33 14 13 13-1005	EA	20" x 10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,063.33	281.84
33 14 13 13-1006	EA	20" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,695.21	291.80
33 14 13 13-1007	EA	20" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,694.40	307.46
33 14 13 13-1008	EA	20" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	3,607.58	328.81
33 14 13 13-1009	EA	20" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	4,264.99	365.82
33 14 13 13-1010	EA	24" x 12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,080.10	364.40
33 14 13 13-1011	EA	24" x 14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,156.13	380.06
33 14 13 13-1012	EA	24" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,249.25	401.40
33 14 13 13-1013	EA	24" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,173.79	438.41
33 14 13 13-1014	EA	24" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	5,968.60	511.00
33 14 13 13-1015	EA	30" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,244.99	452.65
33 14 13 13-1016	EA	30" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,639.99	489.66
33 14 13 13-1017	EA	30" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	9,297.09	563.67
33 14 13 13-1018	EA	30" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	7,896.74	636.26
33 14 13 13-1019	EA	36" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,194.33	603.53
33 14 13 13-1020	EA	36" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	11,346.90	676.12
33 14 13 13-1021	EA	36" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	12,115.07	728.79
33 14 13 13-1022	EA	42" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	18,001.94	516.70
33 14 13 13-1023	EA	42" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,900.25	553.71
33 14 13 13-1024	EA	42" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	17,952.82	626.30
33 14 13 13-1025	EA	42" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	18,661.08	698.89
33 14 13 13-1026	EA	42" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,268.26	751.56
33 14 13 13-1027	EA	42" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	15,978.16	791.42
33 14 13 13-1028	EA	48" x 16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	22,676.83	552.29
33 14 13 13-1029	EA	48" x 18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,949.11	589.29
33 14 13 13-1030	EA	48" x 20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	20,856.48	661.89
33 14 13 13-1031	EA	48" x 24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	21,471.02	735.91
33 14 13 13-1032	EA	48" x 30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	25,719.80	787.16
33 14 13 13-1033	EA	48" x 36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	22,257.47	827.00
33 14 13 13-1034	EA	48" x 42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Mechanical Joint Ductile Iron Reducer.....	24,473.50	849.79
<b>33 14 13 13-1035 Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps (33 14 13 13-0609)</b>				
33 14 13 13-1036	EA	3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	443.41	123.18
33 14 13 13-1037	EA	4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	533.87	144.83
33 14 13 13-1038	EA	6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	776.04	180.66
33 14 13 13-1039	EA	8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,034.44	206.04
33 14 13 13-1040	EA	10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,383.52	313.15
33 14 13 13-1041	EA	12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,735.92	341.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1042	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	1,971.36	375.78
33 14 13 13-1043	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	2,392.62	417.06
33 14 13 13-1044	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	2,799.70	469.73
33 14 13 13-1045	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	3,371.83	536.63
33 14 13 13-1046	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	4,313.35	626.30
33 14 13 13-1047	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	7,764.46	751.56
33 14 13 13-1048	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	12,680.59	939.45
33 14 13 13-1049	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	18,239.60	1,127.34
33 14 13 13-1050	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Caps .....	21,703.83	1,252.62
<b>33 14 13 13-1051</b>			<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug <small>(33 14 13 13-0609)</small></b>		
33 14 13 13-1052	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	445.29	123.18
33 14 13 13-1053	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	552.61	144.83
33 14 13 13-1054	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	824.77	180.66
33 14 13 13-1055	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,083.18	206.04
33 14 13 13-1056	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,662.79	313.15
33 14 13 13-1057	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	1,799.64	341.62
33 14 13 13-1058	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,378.09	375.78
33 14 13 13-1059	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	2,863.07	417.06
33 14 13 13-1060	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	3,401.36	469.73
33 14 13 13-1061	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	4,185.28	536.63
33 14 13 13-1062	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	5,471.68	626.30
33 14 13 13-1063	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	9,365.13	751.56
33 14 13 13-1064	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	13,675.85	939.45
33 14 13 13-1065	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	18,365.18	1,127.34
33 14 13 13-1066	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Plug.....	24,367.24	1,252.62
<b>33 14 13 13-1067</b>			<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters <small>(33 14 13 13-0609)</small></b>		
33 14 13 13-1068	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	607.94	187.22
33 14 13 13-1069	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	798.92	216.49
33 14 13 13-1070	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,094.71	271.73
33 14 13 13-1071	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	1,430.77	309.06
33 14 13 13-1072	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	2,113.70	469.73
33 14 13 13-1073	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	2,515.78	512.43
33 14 13 13-1074	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	3,271.92	563.67
33 14 13 13-1075	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	3,711.70	626.30
33 14 13 13-1076	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	4,849.94	704.59
33 14 13 13-1077	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	5,622.86	805.66
33 14 13 13-1078	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	6,800.84	939.45
33 14 13 13-1079	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	10,639.23	1,127.34
33 14 13 13-1080	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	14,451.29	1,409.19
33 14 13 13-1081	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	19,610.81	1,609.89
33 14 13 13-1082	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint x Flanged End (MJxFE) Ductile Iron Adapters .....	24,352.79	1,878.92
<b>33 14 13 13-1083</b>			<b>Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves <small>(33 14 13 13-0609)</small></b>		
33 14 13 13-1084	EA		3" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	630.43	187.22
33 14 13 13-1085	EA		4" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	770.81	216.49
33 14 13 13-1086	EA		6" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	1,126.57	271.73
33 14 13 13-1087	EA		8" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	1,516.98	309.06
33 14 13 13-1088	EA		10" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	1,993.74	469.73
33 14 13 13-1089	EA		12" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	2,403.32	512.43
33 14 13 13-1090	EA		14" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	3,032.01	563.67
33 14 13 13-1091	EA		16" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	3,584.24	626.30
33 14 13 13-1092	EA		18" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	4,272.65	704.59
33 14 13 13-1093	EA		20" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	4,972.47	805.66
33 14 13 13-1094	EA		24" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	6,204.81	939.45
33 14 13 13-1095	EA		30" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	10,329.97	1,127.34
33 14 13 13-1096	EA		36" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	13,418.54	1,409.19
33 14 13 13-1097	EA		42" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	17,430.06	1,608.46
33 14 13 13-1098	EA		48" Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Mechanical Joint Ductile Iron Long Sleeves .....	25,805.39	1,878.92
<b>33 14 13 13-1099</b>			<b>Push-On Joint Ductile Iron Piping And Gaskets <small>(33 14 13 13-0001)</small></b>		

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 13-1100	<b>Push-On Joint Ductile Iron Pipe</b> <small>(33 14 13 13-1099)</small>		
	Note: Conforming to ANSI/AWWA C151/A21.51, federal specification WW-P-421D.		
33 14 13 13-1101	LF 4", Class 50, Push-On Joint Ductile Iron Pipe.....	39.79	12.32
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	14.79	
	For Cement Mortar Lining (CML), Add	2.11	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	11.41	
	For Fusion Bonded Epoxy Lining (206N), Add	3.80	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.58	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-1.99	
	For Class 51, Add	3.11	
	For Class 52, Add	6.70	
	For Class 53, Add	12.02	
	For Class 54, Add	17.13	
	For Class 55, Add	19.73	
	For Class 56, Add	22.29	
33 14 13 13-1102	LF 6", Class 50, Push-On Joint Ductile Iron Pipe.....	43.64	13.59
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	16.23	
	For Cement Mortar Lining (CML), Add	2.32	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	12.52	
	For Fusion Bonded Epoxy Lining (206N), Add	4.17	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	1.74	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.18	
	For Class 51, Add	3.42	
	For Class 52, Add	7.35	
	For Class 53, Add	13.19	
	For Class 54, Add	18.80	
	For Class 55, Add	21.65	
	For Class 56, Add	24.46	
33 14 13 13-1103	LF 8", Class 50, Push-On Joint Ductile Iron Pipe.....	54.10	14.93
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	22.19	
	For Cement Mortar Lining (CML), Add	3.17	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	17.12	
	For Fusion Bonded Epoxy Lining (206N), Add	5.71	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	2.38	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-2.71	
	For Class 51, Add	4.60	
	For Class 52, Add	9.91	
	For Class 53, Add	17.83	
	For Class 54, Add	25.41	
	For Class 55, Add	29.25	
	For Class 56, Add	33.02	
33 14 13 13-1104	LF 10", Class 50, Push-On Joint Ductile Iron Pipe.....	76.74	21.21
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.83	
	For Cement Mortar Lining (CML), Add	4.47	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	22.36	
	For Fusion Bonded Epoxy Lining (206N), Add	8.05	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	3.35	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-3.84	
	For Class 51, Add	6.50	
	For Class 52, Add	14.00	
	For Class 53, Add	25.17	
	For Class 54, Add	35.87	
	For Class 55, Add	41.29	
	For Class 56, Add	46.61	
33 14 13 13-1105	LF 12", Class 50, Push-On Joint Ductile Iron Pipe.....	88.89	23.49
	For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add	26.66	
	For Cement Mortar Lining (CML), Add	5.33	
	Note: ANSI/AWWA C104/A21.4		
	For 40 Mil Ceramic Epoxy Lining (P401), Add	21.32	
	For Fusion Bonded Epoxy Lining (206N), Add	9.60	
	Note: ANSI/AWWA C104/A21.4		
	For Bituminous Or Coal Tar Coating, 1 Mil, Add	4.00	
	Note: ANSI/AWWA C151/A21.51		
	For >1,000, Deduct	-4.44	
	For Class 51, Add	7.71	
	For Class 52, Add	16.62	
	For Class 53, Add	29.90	
	For Class 54, Add	42.64	
	For Class 55, Add	49.06	
	For Class 56, Add	55.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1106	LF	14"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	107.96 29.90 6.80 23.11 12.23 5.10 -5.40 9.76 21.06 37.92 54.08 62.20 70.18	26.47
33 14 13 13-1107	LF	16"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	127.75 33.64 8.21 25.44 14.77 6.15 -6.39 11.75 25.36 45.68 65.17 74.94 84.53	30.18
33 14 13 13-1108	LF	18"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	148.67 39.07 9.53 29.54 17.15 7.15 -7.43 13.66 29.45 53.07 75.70 87.05 98.20	35.30
33 14 13 13-1109	LF	20"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	171.84 40.96 10.78 30.18 19.40 8.08 -8.59 15.49 33.41 60.17 85.81 98.70 111.35	42.28
33 14 13 13-1110	LF	24"	Class 50, Push-On Joint Ductile Iron Pipe..... For 40 Mil Glass Fiber Epoxy Or Polyurethane Lining, Add For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For 40 Mil Ceramic Epoxy Lining (P401), Add For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51 For >1,000, Deduct For Class 51, Add For Class 52, Add For Class 53, Add For Class 54, Add For Class 55, Add For Class 56, Add	217.28 42.51 13.71 28.80 24.69 10.29 -10.86 19.69 42.47 76.50 109.11 125.49 141.57	52.81
33 14 13 13-1111			<b>Push-On Joint Ductile Iron 90 Degree Elbow</b> (33 14 13 13-1099)		
33 14 13 13-1112	EA	4"	90 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	270.17 19.73 35.52 14.80	48.08

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1113	EA	6" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	391.94	70.91
		For Cement Mortar Lining (CML), Add		28.44	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		51.20	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		21.33	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1114	EA	8" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	522.20	84.20
		For Cement Mortar Lining (CML), Add		39.46	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		71.02	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		29.59	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1115	EA	10" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	790.18	93.66
		For Cement Mortar Lining (CML), Add		59.65	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		107.36	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		44.73	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1116	EA	12" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	1,016.24	109.89
		For Cement Mortar Lining (CML), Add		78.91	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		142.05	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		59.19	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1117	EA	14" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	1,985.53	123.26
		For Cement Mortar Lining (CML), Add		173.07	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		311.52	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		129.80	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1118	EA	16" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	2,245.00	140.92
		For Cement Mortar Lining (CML), Add		195.38	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		351.69	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		146.54	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1119	EA	18" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	3,490.95	197.29
		For Cement Mortar Lining (CML), Add		308.33	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		555.00	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		231.25	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1120	EA	20" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	3,931.81	248.68
		For Cement Mortar Lining (CML), Add		343.45	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		618.21	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		257.59	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1121	EA	24" 90 Degree Elbow, Push-On Joint Ductile Iron	.....	4,909.54	310.87
		For Cement Mortar Lining (CML), Add		428.79	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		771.83	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		321.59	
		Note: ANSI/AWWA C151/A21.51			
<b>33 14 13 13-1122</b>		<b>Push-On Joint Ductile Iron 45 Degree Elbow</b> <small>(33 14 13 13-1099)</small>			
33 14 13 13-1123	EA	4" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	225.31	48.08
		For Cement Mortar Lining (CML), Add		15.25	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		27.44	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		11.43	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1124	EA	6" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	331.61	70.91
		For Cement Mortar Lining (CML), Add		22.41	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		40.34	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		16.81	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1125	EA	8" 45 Degree Elbow, Push-On Joint Ductile Iron	.....	457.28	84.20
		For Cement Mortar Lining (CML), Add		32.96	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		59.33	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		24.72	
		Note: ANSI/AWWA C151/A21.51			



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1126	EA		10" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	700.55 50.68 91.23 38.01	93.66
33 14 13 13-1127	EA		12" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	902.04 67.49 121.49 50.62	109.89
33 14 13 13-1128	EA		14" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,272.45 101.76 183.17 76.32	123.26
33 14 13 13-1129	EA		16" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,871.61 158.05 284.48 118.53	140.92
33 14 13 13-1130	EA		18" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,162.64 175.50 315.91 131.63	197.29
33 14 13 13-1131	EA		20" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,022.37 252.51 454.51 189.38	248.68
33 14 13 13-1132	EA		24" 45 Degree Elbow, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,751.23 312.96 563.33 234.72	310.87
<b>33 14 13 13-1133</b>			<b>Push-On Joint Ductile Iron Tee (33 14 13 13-1099)</b>		
33 14 13 13-1134	EA		4" Tee, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	412.60 30.51 54.92 22.88	70.91
33 14 13 13-1135	EA		6" Tee, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	575.45 41.75 75.15 31.31	104.22
33 14 13 13-1136	EA		8" Tee, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	783.41 59.19 106.53 44.39	126.31
33 14 13 13-1137	EA		10" Tee, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,144.84 93.13 167.64 69.85	142.35
33 14 13 13-1138	EA		12" Tee, Push-On Joint Ductile Iron ..... For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	1,423.59 117.45 211.41 88.09	164.12

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1139	EA	14" Tee, Push-On Joint Ductile Iron.....		2,280.08	197.29
		For Cement Mortar Lining (CML), Add		198.12	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		356.61	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		148.59	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1140	EA	16" Tee, Push-On Joint Ductile Iron.....		3,288.46	246.68
		For Cement Mortar Lining (CML), Add		291.48	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		524.67	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		218.61	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1141	EA	18" Tee, Push-On Joint Ductile Iron.....		4,136.83	329.09
		For Cement Mortar Lining (CML), Add		363.82	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		654.88	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		272.87	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1142	EA	20" Tee, Push-On Joint Ductile Iron.....		4,877.48	401.54
		For Cement Mortar Lining (CML), Add		426.91	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		768.44	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		320.18	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1143	EA	24" Tee, Push-On Joint Ductile Iron.....		6,383.81	501.89
		For Cement Mortar Lining (CML), Add		562.34	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		1,012.22	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		421.76	
		Note: ANSI/AWWA C151/A21.51			
<b>33 14 13 13-1144</b>		<b>Flanged End x Push-On Joint Ductile Iron Adapters</b> (33 14 13 13-1099)			
33 14 13 13-1145	EA	4" Flanged End x Push-On Joint Adapter, Ductile Iron .....		492.66	166.77
		For Cement Mortar Lining (CML), Add		24.00	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		43.20	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		18.00	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1146	EA	6" Flanged End x Push-On Joint Adapter, Ductile Iron .....		603.74	206.49
		For Cement Mortar Lining (CML), Add		29.09	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		52.36	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		21.82	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1147	EA	8" Flanged End x Push-On Joint Adapter, Ductile Iron .....		783.14	240.83
		For Cement Mortar Lining (CML), Add		41.82	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		75.27	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		31.36	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1148	EA	10" Flanged End x Push-On Joint Adapter, Ductile Iron .....		1,079.24	352.30
		For Cement Mortar Lining (CML), Add		54.55	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		98.18	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		40.91	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1149	EA	12" Flanged End x Push-On Joint Adapter, Ductile Iron .....		1,300.94	402.69
		For Cement Mortar Lining (CML), Add		69.09	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		124.36	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		51.82	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1150	EA	14" Flanged End x Push-On Joint Adapter, Ductile Iron .....		1,493.32	433.58
		For Cement Mortar Lining (CML), Add		83.64	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		150.54	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		62.73	
		Note: ANSI/AWWA C151/A21.51			
33 14 13 13-1151	EA	16" Flanged End x Push-On Joint Adapter, Ductile Iron .....		1,766.25	469.73
		For Cement Mortar Lining (CML), Add		105.45	
		Note: ANSI/AWWA C104/A21.4			
		For Fusion Bonded Epoxy Lining (206N), Add		189.82	
		Note: ANSI/AWWA C104/A21.4			
		For Bituminous Or Coal Tar Coating, 1 Mil, Add		79.09	
		Note: ANSI/AWWA C151/A21.51			

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 13-1152	EA		18" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,090.40 123.64 222.54 92.73	563.67
33 14 13 13-1153	EA		20" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	2,421.67 147.27 265.09 110.45	626.30
33 14 13 13-1154	EA		24" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	3,022.20 192.73 346.91 144.54	722.67
33 14 13 13-1155	EA		30" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	4,772.81 345.89 622.60 259.42	867.15
33 14 13 13-1156	EA		36" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	6,577.64 493.52 888.34 370.14	1,083.94
33 14 13 13-1157	EA		42" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	8,288.38 639.05 1,150.29 479.29	1,252.62
33 14 13 13-1158	EA		48" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	10,581.18 814.10 1,465.39 610.58	1,610.46
33 14 13 13-1159	EA		54" Flanged End x Push-On Joint Adapter, Ductile Iron For Cement Mortar Lining (CML), Add Note: ANSI/AWWA C104/A21.4 For Fusion Bonded Epoxy Lining (206N), Add Note: ANSI/AWWA C104/A21.4 For Bituminous Or Coal Tar Coating, 1 Mil, Add Note: ANSI/AWWA C151/A21.51	12,838.80 999.12 1,798.42 749.34	1,879.34
<b>33 14 13 13-1160</b>			<b>Push-On Joint Ductile Iron Pipe And Fitting Restraints</b> (33 14 13 13-1099) Note: Includes ductile iron follower gland, restraint ring and all nuts and bolts. Excludes pipe and fitting.		
33 14 13 13-1161	EA		4" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	57.23	25.96
33 14 13 13-1162	EA		6" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	75.69	33.87
33 14 13 13-1163	EA		8" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	99.16	34.83
33 14 13 13-1164	EA		10" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	115.94	37.00
33 14 13 13-1165	EA		12" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	136.95	41.10
33 14 13 13-1166	EA		14" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	171.10	46.24
33 14 13 13-1167	EA		16" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	201.31	52.84
33 14 13 13-1168	EA		18" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	226.15	57.25
33 14 13 13-1169	EA		20" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	264.35	68.70
33 14 13 13-1170	EA		24" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	314.14	71.34
33 14 13 13-1171	EA		30" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	399.15	79.27
33 14 13 13-1172	EA		36" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	515.51	85.86
33 14 13 13-1173	EA		42" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	632.88	93.95
33 14 13 13-1174	EA		48" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	745.16	105.69
33 14 13 13-1175	EA		54" Pipe And Fitting Restraint, Push-On Joint Ductile Iron	1,020.23	114.62
<b>33 14 13 13-1176</b>			<b>Push-On Joint Ductile Iron Bell Restraint Harness (MEGALUG® 1700 Series)</b> (33 14 13 13-1099)		
33 14 13 13-1177	EA		4" Bell Restraint Harness, Ductile Iron (MEGALUG® 170400)	275.06	96.08
33 14 13 13-1178	EA		6" Bell Restraint Harness, Ductile Iron (MEGALUG® 170600)	359.18	117.29
33 14 13 13-1179	EA		8" Bell Restraint Harness, Ductile Iron (MEGALUG® 170800)	459.55	143.06
33 14 13 13-1180	EA		10" Bell Restraint Harness, Ductile Iron (MEGALUG® 171000)	677.77	174.51
33 14 13 13-1181	EA		12" Bell Restraint Harness, Ductile Iron (MEGALUG® 171200)	839.42	212.80
33 14 13 13-1182	EA		14" Bell Restraint Harness, Ductile Iron (MEGALUG® 171400)	1,408.31	259.63
33 14 13 13-1183	EA		16" Bell Restraint Harness, Ductile Iron (MEGALUG® 171600)	1,615.21	316.85
33 14 13 13-1184	EA		18" Bell Restraint Harness, Ductile Iron (MEGALUG® 171800)	1,843.47	386.46
33 14 13 13-1185	EA		20" Bell Restraint Harness, Ductile Iron (MEGALUG® 172000)	2,486.17	471.58
33 14 13 13-1186	EA		24" Bell Restraint Harness, Ductile Iron (MEGALUG® 172400)	3,161.67	575.21

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 13-1187	EA	30" Bell Restraint Harness, Ductile Iron (MEGALUG® 173000).....	5,351.28		701.88
33 14 13 13-1188	EA	36" Bell Restraint Harness, Ductile Iron (MEGALUG® 173600).....	7,542.16		856.19
33 14 13 13-1189	EA	42" Bell Restraint Harness, Ductile Iron (MEGALUG® 174200).....	13,515.00		1,044.65
33 14 13 13-1190	EA	48" Bell Restraint Harness, Ductile Iron (MEGALUG® 174800).....	17,456.30		1,274.39
<b>33 14 13 13-1191</b>		<b>Ductile Iron Pipe Repair</b> <small>(33 14 13 13-0001)</small>			
		See CSI section 33 14 13 13-0002 for mechanical joint fittings.			
<b>33 14 13 13-1192</b>		<b>WEKO Seals</b> <small>(33 14 13 13-1191)</small>			
		Note: Internal joint seal.			
33 14 13 13-1193	EA	16" WEKO Internal Joint Seal.....	2,287.57		250.39
		For Extra Wide Seals, Add	88.97		
33 14 13 13-1194	EA	18" WEKO Internal Joint Seal.....	2,437.02		264.40
		For Extra Wide Seals, Add	90.04		
33 14 13 13-1195	EA	20" WEKO Internal Joint Seal.....	2,586.24		278.40
		For Extra Wide Seals, Add	91.09		
33 14 13 13-1196	EA	24" WEKO Internal Joint Seal.....	2,740.23		300.67
		For Extra Wide Seals, Add	92.78		
33 14 13 13-1197	EA	30" WEKO Internal Joint Seal.....	2,829.22		322.94
		For Extra Wide Seals, Add	94.47		
33 14 13 13-1198	EA	36" WEKO Internal Joint Seal.....	2,968.88		350.78
		For Extra Wide Seals, Add	96.57		
33 14 13 13-1199	EA	42" WEKO Internal Joint Seal.....	3,165.76		384.19
		For Extra Wide Seals, Add	99.11		
33 14 13 13-1200	EA	48" WEKO Internal Joint Seal.....	3,419.18		412.03
		For Extra Wide Seals, Add	101.21		
33 14 13 13-1201	EA	54" WEKO Internal Joint Seal.....	3,547.17		434.30
		For Extra Wide Seals, Add	102.90		
<b>33 14 13 23</b>		<b>Plastic Public Water Utility Distribution Piping</b> <small>(33 14 13)</small>			
		Note: Includes detectable tracer wire.			
<b>33 14 13 23-0001</b>		<b>AWWA C900/C905 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23)</small>			
		Note: Includes hub on one end of pipe. C900 is available in blue, white, purple or green.			
<b>33 14 13 23-0002</b>		<b>AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0001)</small>			
33 14 13 23-0003	LF	4" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	12.96		4.92
33 14 13 23-0004	LF	6" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	18.29		5.95
33 14 13 23-0005	LF	8" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	24.39		6.70
33 14 13 23-0006	LF	10" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	31.47		7.44
33 14 13 23-0007	LF	12" AWWA C900, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe.....	40.10		8.34
<b>33 14 13 23-0008</b>		<b>AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0001)</small>			
33 14 13 23-0009	LF	4" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	14.08		4.92
33 14 13 23-0010	LF	6" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	20.61		5.95
33 14 13 23-0011	LF	8" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	28.30		6.70
33 14 13 23-0012	LF	10" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	37.55		7.44
33 14 13 23-0013	LF	12" AWWA C900, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe.....	48.59		8.34
<b>33 14 13 23-0014</b>		<b>AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0001)</small>			
33 14 13 23-0015	LF	4" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	15.18		4.92
33 14 13 23-0016	LF	6" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	22.92		5.95
33 14 13 23-0017	LF	8" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	32.22		6.70
33 14 13 23-0018	LF	10" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	43.50		7.44
33 14 13 23-0019	LF	12" AWWA C900, DR 14, PC 305 Polyvinyl Chloride (PVC) Pipe.....	57.08		8.34
<b>33 14 13 23-0020</b>		<b>AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0001)</small>			
33 14 13 23-0021	LF	18" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	62.74		12.51
33 14 13 23-0022	LF	20" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	76.33		14.90
33 14 13 23-0023	LF	24" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	101.46		17.87
33 14 13 23-0024	LF	30" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	144.43		20.85
33 14 13 23-0025	LF	36" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	197.18		23.83
33 14 13 23-0026	LF	42" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	247.72		25.32
33 14 13 23-0027	LF	48" AWWA C905, DR 51, PC 80 Polyvinyl Chloride (PVC) Pipe.....	311.61		27.25
<b>33 14 13 23-0028</b>		<b>AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0001)</small>			
33 14 13 23-0029	LF	14" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	46.35		9.38
33 14 13 23-0030	LF	16" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	57.59		10.43
33 14 13 23-0031	LF	18" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	71.24		12.51
33 14 13 23-0032	LF	20" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	87.37		14.90
33 14 13 23-0033	LF	24" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	118.48		17.87
33 14 13 23-0034	LF	30" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	168.85		20.85
33 14 13 23-0035	LF	36" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	229.89		23.83
33 14 13 23-0036	LF	42" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	302.10		25.32
33 14 13 23-0037	LF	48" AWWA C905, DR 41, PC 100 Polyvinyl Chloride (PVC) Pipe.....	382.17		27.25
<b>33 14 13 23-0038</b>		<b>AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 14 13 23-0001)</small>			
33 14 13 23-0039	LF	14" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	52.89		9.38
33 14 13 23-0040	LF	16" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe.....	66.67		10.43

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0041	LF		18" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	82.52	12.51
33 14 13 23-0042	LF		20" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	102.00	14.90
33 14 13 23-0043	LF		24" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	139.50	17.87
33 14 13 23-0044	LF		30" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	200.41	20.85
33 14 13 23-0045	LF		36" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	275.97	23.83
33 14 13 23-0046	LF		42" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	356.69	25.32
33 14 13 23-0047	LF		48" AWWA C905, DR 32.5, PC 125 Polyvinyl Chloride (PVC) Pipe	453.41	27.25
<b>33 14 13 23-0048</b>			<b>AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)</b>		
33 14 13 23-0049	LF		14" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	64.07	9.38
33 14 13 23-0050	LF		16" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	79.95	10.43
33 14 13 23-0051	LF		18" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	99.62	12.51
33 14 13 23-0052	LF		20" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	122.65	14.90
33 14 13 23-0053	LF		24" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	169.28	17.87
33 14 13 23-0054	LF		30" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	247.15	20.85
33 14 13 23-0055	LF		36" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	347.82	23.83
33 14 13 23-0056	LF		42" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	462.07	25.32
33 14 13 23-0057	LF		48" AWWA C905, DR 25, PC 165 Polyvinyl Chloride (PVC) Pipe	594.82	27.25
<b>33 14 13 23-0058</b>			<b>AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)</b>		
33 14 13 23-0059	LF		14" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	72.48	9.38
33 14 13 23-0060	LF		16" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	90.88	10.43
33 14 13 23-0061	LF		18" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	113.41	12.51
33 14 13 23-0062	LF		20" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	139.83	14.90
33 14 13 23-0063	LF		24" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	193.98	17.87
33 14 13 23-0064	LF		30" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	285.16	20.85
33 14 13 23-0065	LF		36" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	403.35	23.83
33 14 13 23-0066	LF		42" AWWA C905, DR 21, PC 200 Polyvinyl Chloride (PVC) Pipe	538.17	25.32
<b>33 14 13 23-0067</b>			<b>AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0001)</b>		
33 14 13 23-0068	LF		14" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	80.67	9.38
33 14 13 23-0069	LF		16" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	101.52	10.43
33 14 13 23-0070	LF		18" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	126.82	12.51
33 14 13 23-0071	LF		20" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	156.54	14.90
33 14 13 23-0072	LF		24" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	218.02	17.87
33 14 13 23-0073	LF		30" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	322.14	20.85
33 14 13 23-0074	LF		36" AWWA C905, DR 18, PC 235 Polyvinyl Chloride (PVC) Pipe	457.37	23.83
<b>33 14 13 23-0075</b>			<b>AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) Fittings (33 14 13 23)</b>		
Note: Includes rubber gaskets.					
<b>33 14 13 23-0076</b>			<b>90 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)</b>		
33 14 13 23-0077	EA		4" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	213.27	16.72
			For DR 25, Deduct	-10.79	
33 14 13 23-0078	EA		6" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	430.17	18.81
			For DR 25, Deduct	-23.55	
33 14 13 23-0079	EA		8" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	643.05	20.90
			For DR 25, Deduct	-36.07	
33 14 13 23-0080	EA		10" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	981.80	32.83
			For DR 25, Deduct	-54.97	
33 14 13 23-0081	EA		12" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,282.49	54.72
			For DR 25, Deduct	-70.39	
33 14 13 23-0082	EA		14" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,920.48	68.40
			For DR 25, Deduct	-107.02	
33 14 13 23-0083	EA		16" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	2,292.05	82.07
			For DR 25, Deduct	-127.67	
33 14 13 23-0084	EA		18" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	3,920.48	109.43
			For DR 25, Deduct	-222.10	
33 14 13 23-0085	EA		20" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	4,827.08	136.79
			For DR 25, Deduct	-273.21	
33 14 13 23-0086	EA		24" 90 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	7,995.90	184.67
			For DR 25, Deduct	-457.59	
<b>33 14 13 23-0087</b>			<b>45 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) (33 14 13 23-0075)</b>		
33 14 13 23-0088	EA		4" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	189.80	16.72
			For DR 25, Deduct	-9.38	
33 14 13 23-0089	EA		6" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	323.68	18.81
			For DR 25, Deduct	-17.16	
33 14 13 23-0090	EA		8" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	408.93	20.90
			For DR 25, Deduct	-22.03	
33 14 13 23-0091	EA		10" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	579.16	32.83
			For DR 25, Deduct	-30.81	
33 14 13 23-0092	EA		12" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	778.68	54.72
			For DR 25, Deduct	-40.16	
33 14 13 23-0093	EA		14" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,482.24	68.40
			For DR 25, Deduct	-80.73	
33 14 13 23-0094	EA		16" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)	1,876.87	82.07
			For DR 25, Deduct	-102.76	



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0095	EA		18" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,226.34	109.43
			<i>For DR 25, Deduct</i>	-180.45	
33 14 13 23-0096	EA		20" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,007.61	136.79
			<i>For DR 25, Deduct</i>	-224.04	
33 14 13 23-0097	EA		24" 45 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,652.17	184.67
			<i>For DR 25, Deduct</i>	-316.97	
<b>33 14 13 23-0098</b>			<b>22-1/2 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0099	EA		4" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	186.94	16.72
			<i>For DR 25, Deduct</i>	-9.21	
33 14 13 23-0100	EA		6" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	323.68	18.81
			<i>For DR 25, Deduct</i>	-17.16	
33 14 13 23-0101	EA		8" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	408.94	20.90
			<i>For DR 25, Deduct</i>	-22.03	
33 14 13 23-0102	EA		10" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	579.19	32.83
			<i>For DR 25, Deduct</i>	-30.81	
33 14 13 23-0103	EA		12" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	778.69	54.72
			<i>For DR 25, Deduct</i>	-40.16	
33 14 13 23-0104	EA		14" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,476.75	65.66
			<i>For DR 25, Deduct</i>	-80.73	
33 14 13 23-0105	EA		16" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,876.85	82.07
			<i>For DR 25, Deduct</i>	-102.76	
33 14 13 23-0106	EA		18" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,226.34	109.43
			<i>For DR 25, Deduct</i>	-180.45	
33 14 13 23-0107	EA		20" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,007.61	136.79
			<i>For DR 25, Deduct</i>	-224.04	
33 14 13 23-0108	EA		24" 22-1/2 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,652.17	184.67
			<i>For DR 25, Deduct</i>	-316.97	
<b>33 14 13 23-0109</b>			<b>11-1/4 Degree Elbows, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0110	EA		4" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	165.92	16.72
			<i>For DR 25, Deduct</i>	-7.95	
33 14 13 23-0111	EA		6" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	323.68	18.81
			<i>For DR 25, Deduct</i>	-17.16	
33 14 13 23-0112	EA		8" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	408.94	20.90
			<i>For DR 25, Deduct</i>	-22.03	
33 14 13 23-0113	EA		10" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	579.19	32.83
			<i>For DR 25, Deduct</i>	-30.81	
33 14 13 23-0114	EA		12" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	778.69	54.72
			<i>For DR 25, Deduct</i>	-40.16	
33 14 13 23-0115	EA		14" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,476.75	65.66
			<i>For DR 25, Deduct</i>	-80.73	
33 14 13 23-0116	EA		16" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,876.85	82.07
			<i>For DR 25, Deduct</i>	-102.76	
33 14 13 23-0117	EA		18" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,226.34	109.43
			<i>For DR 25, Deduct</i>	-180.45	
33 14 13 23-0118	EA		20" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,007.61	136.79
			<i>For DR 25, Deduct</i>	-224.04	
33 14 13 23-0119	EA		24" 11-1/4 Degree Elbow, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,652.17	184.67
			<i>For DR 25, Deduct</i>	-316.97	
<b>33 14 13 23-0120</b>			<b>Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0121	EA		4" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	253.03	18.81
			<i>For DR 25, Deduct</i>	-12.92	
33 14 13 23-0122	EA		6" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	482.15	20.90
			<i>For DR 25, Deduct</i>	-26.42	
33 14 13 23-0123	EA		8" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	670.51	23.69
			<i>For DR 25, Deduct</i>	-37.39	
33 14 13 23-0124	EA		10" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,378.46	41.04
			<i>For DR 25, Deduct</i>	-77.78	
33 14 13 23-0125	EA		12" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,695.39	82.07
			<i>For DR 25, Deduct</i>	-91.88	
33 14 13 23-0126	EA		14" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,043.46	102.59
			<i>For DR 25, Deduct</i>	-170.30	
33 14 13 23-0127	EA		16" Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,768.06	123.11
			<i>For DR 25, Deduct</i>	-211.31	
33 14 13 23-0128	EA		18" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,757.96	164.15
			<i>For DR 25, Deduct</i>	-265.78	
33 14 13 23-0129	EA		20" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,716.97	205.19
			<i>For DR 25, Deduct</i>	-318.40	
33 14 13 23-0130	EA		24" Tee, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,786.11	139.52
			<i>For DR 25, Deduct</i>	-450.42	
<b>33 14 13 23-0131</b>			<b>Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0132	EA		6" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	482.79	27.18
			<i>For DR 25, Deduct</i>	-25.71	
33 14 13 23-0133	EA		8" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	653.44	29.27
			<i>For DR 25, Deduct</i>	-35.69	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0134	EA		8" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	669.94	30.32
			<i>For DR 25, Deduct</i> .....	-36.56	
33 14 13 23-0135	EA		10" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	869.31	41.04
			<i>For DR 25, Deduct</i> .....	-47.23	
33 14 13 23-0136	EA		10" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,171.88	42.06
			<i>For DR 25, Deduct</i> .....	-65.27	
33 14 13 23-0137	EA		10" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,252.87	43.09
			<i>For DR 25, Deduct</i> .....	-70.00	
33 14 13 23-0138	EA		12" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,335.23	62.93
			<i>For DR 25, Deduct</i> .....	-72.56	
33 14 13 23-0139	EA		12" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,529.38	63.95
			<i>For DR 25, Deduct</i> .....	-84.09	
33 14 13 23-0140	EA		12" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,621.34	64.97
			<i>For DR 25, Deduct</i> .....	-89.48	
33 14 13 23-0141	EA		12" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	1,653.88	71.13
			<i>For DR 25, Deduct</i> .....	-90.70	
33 14 13 23-0142	EA		14" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,497.93	73.86
			<i>For DR 25, Deduct</i> .....	-141.01	
33 14 13 23-0143	EA		14" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,597.61	74.89
			<i>For DR 25, Deduct</i> .....	-146.87	
33 14 13 23-0144	EA		14" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,697.54	75.92
			<i>For DR 25, Deduct</i> .....	-152.74	
33 14 13 23-0145	EA		14" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,807.18	82.07
			<i>For DR 25, Deduct</i> .....	-158.58	
33 14 13 23-0146	EA		14" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	2,926.75	93.01
			<i>For DR 25, Deduct</i> .....	-164.44	
33 14 13 23-0147	EA		16" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,116.56	90.28
			<i>For DR 25, Deduct</i> .....	-176.16	
33 14 13 23-0148	EA		16" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,214.16	90.28
			<i>For DR 25, Deduct</i> .....	-182.02	
33 14 13 23-0149	EA		16" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,313.86	91.30
			<i>For DR 25, Deduct</i> .....	-187.88	
33 14 13 23-0150	EA		16" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,413.57	92.33
			<i>For DR 25, Deduct</i> .....	-193.73	
33 14 13 23-0151	EA		16" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,545.37	109.43
			<i>For DR 25, Deduct</i> .....	-199.59	
33 14 13 23-0152	EA		16" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,653.94	114.90
			<i>For DR 25, Deduct</i> .....	-205.45	
33 14 13 23-0153	EA		18" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,854.00	117.64
			<i>For DR 25, Deduct</i> .....	-217.12	
33 14 13 23-0154	EA		18" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	3,954.38	118.66
			<i>For DR 25, Deduct</i> .....	-223.02	
33 14 13 23-0155	EA		18" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,054.06	119.69
			<i>For DR 25, Deduct</i> .....	-228.88	
33 14 13 23-0156	EA		18" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,164.01	125.84
			<i>For DR 25, Deduct</i> .....	-234.74	
33 14 13 23-0157	EA		18" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,283.48	136.79
			<i>For DR 25, Deduct</i> .....	-240.59	
33 14 13 23-0158	EA		18" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,391.40	142.26
			<i>For DR 25, Deduct</i> .....	-246.41	
33 14 13 23-0159	EA		18" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,529.05	150.47
			<i>For DR 25, Deduct</i> .....	-253.69	
33 14 13 23-0160	EA		20" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	4,886.37	144.99
			<i>For DR 25, Deduct</i> .....	-275.78	
33 14 13 23-0161	EA		20" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,055.14	146.02
			<i>For DR 25, Deduct</i> .....	-285.79	
33 14 13 23-0162	EA		20" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,121.82	147.04
			<i>For DR 25, Deduct</i> .....	-289.66	
33 14 13 23-0163	EA		20" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,198.85	153.20
			<i>For DR 25, Deduct</i> .....	-293.55	
33 14 13 23-0164	EA		20" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,285.39	164.15
			<i>For DR 25, Deduct</i> .....	-297.43	
33 14 13 23-0165	EA		20" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,401.16	169.62
			<i>For DR 25, Deduct</i> .....	-303.72	
33 14 13 23-0166	EA		20" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,522.41	177.83
			<i>For DR 25, Deduct</i> .....	-310.01	
33 14 13 23-0167	EA		20" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,619.68	191.51
			<i>For DR 25, Deduct</i> .....	-314.20	
33 14 13 23-0168	EA		24" x 4" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,762.25	192.87
			<i>For DR 25, Deduct</i> .....	-322.59	
33 14 13 23-0169	EA		24" x 6" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,834.25	193.89
			<i>For DR 25, Deduct</i> .....	-326.79	
33 14 13 23-0170	EA		24" x 8" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	5,906.23	194.92
			<i>For DR 25, Deduct</i> .....	-330.98	
33 14 13 23-0171	EA		24" x 10" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	6,202.92	201.08
			<i>For DR 25, Deduct</i> .....	-348.05	
33 14 13 23-0172	EA		24" x 12" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	6,509.17	212.03
			<i>For DR 25, Deduct</i> .....	-365.11	
33 14 13 23-0173	EA		24" x 14" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	6,804.49	217.49
			<i>For DR 25, Deduct</i> .....	-382.17	
33 14 13 23-0174	EA		24" x 16" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	7,105.30	225.69
			<i>For DR 25, Deduct</i> .....	-399.23	
33 14 13 23-0175	EA		24" x 18" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	7,417.05	239.37
			<i>For DR 25, Deduct</i> .....	-416.30	
33 14 13 23-0176	EA		24" x 20" Reducing Tees Or Wyes, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC) .....	7,728.77	253.05
			<i>For DR 25, Deduct</i> .....	-433.36	

**33 Utilities**

**33 10 Water Utilities**

**33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0177			<b>Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0178	EA		4" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	354.11	33.45
			<i>For DR 25, Deduct</i>	-17.23	
33 14 13 23-0179	EA		6" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	626.46	37.63
			<i>For DR 25, Deduct</i>	-33.07	
33 14 13 23-0180	EA		8" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	862.91	41.81
			<i>For DR 25, Deduct</i>	-46.76	
33 14 13 23-0181	EA		10" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,751.09	65.66
			<i>For DR 25, Deduct</i>	-97.19	
33 14 13 23-0182	EA		12" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,078.58	82.07
			<i>For DR 25, Deduct</i>	-114.87	
33 14 13 23-0183	EA		14" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,766.93	109.43
			<i>For DR 25, Deduct</i>	-212.88	
33 14 13 23-0184	EA		16" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,675.10	136.79
			<i>For DR 25, Deduct</i>	-264.10	
33 14 13 23-0185	EA		18" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,975.63	218.86
			<i>For DR 25, Deduct</i>	-332.27	
33 14 13 23-0186	EA		20" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,180.51	273.57
			<i>For DR 25, Deduct</i>	-398.00	
33 14 13 23-0187	EA		24" Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	10,121.91	369.32
			<i>For DR 25, Deduct</i>	-563.00	
33 14 13 23-0188			<b>Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
33 14 13 23-0189	EA		6" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	607.06	35.54
			<i>For DR 25, Deduct</i>	-32.16	
33 14 13 23-0190	EA		8" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	819.82	37.63
			<i>For DR 25, Deduct</i>	-44.67	
33 14 13 23-0191	EA		8" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	841.25	39.72
			<i>For DR 25, Deduct</i>	-45.71	
33 14 13 23-0192	EA		10" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,256.33	49.25
			<i>For DR 25, Deduct</i>	-69.47	
33 14 13 23-0193	EA		10" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,462.46	51.29
			<i>For DR 25, Deduct</i>	-81.59	
33 14 13 23-0194	EA		10" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,605.35	53.35
			<i>For DR 25, Deduct</i>	-89.92	
33 14 13 23-0195	EA		12" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,654.49	71.13
			<i>For DR 25, Deduct</i>	-90.73	
33 14 13 23-0196	EA		12" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,898.14	73.18
			<i>For DR 25, Deduct</i>	-105.11	
33 14 13 23-0197	EA		12" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,014.66	75.23
			<i>For DR 25, Deduct</i>	-111.85	
33 14 13 23-0198	EA		12" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,064.46	87.54
			<i>For DR 25, Deduct</i>	-113.36	
33 14 13 23-0199	EA		14" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,101.88	82.07
			<i>For DR 25, Deduct</i>	-176.26	
33 14 13 23-0200	EA		14" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,227.66	84.13
			<i>For DR 25, Deduct</i>	-183.56	
33 14 13 23-0201	EA		14" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,354.78	86.17
			<i>For DR 25, Deduct</i>	-190.95	
33 14 13 23-0202	EA		14" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,501.92	98.48
			<i>For DR 25, Deduct</i>	-198.30	
33 14 13 23-0203	EA		14" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,667.26	120.37
			<i>For DR 25, Deduct</i>	-205.59	
33 14 13 23-0204	EA		16" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,866.39	98.48
			<i>For DR 25, Deduct</i>	-220.16	
33 14 13 23-0205	EA		16" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,993.82	100.54
			<i>For DR 25, Deduct</i>	-227.56	
33 14 13 23-0206	EA		16" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,119.90	102.59
			<i>For DR 25, Deduct</i>	-234.88	
33 14 13 23-0207	EA		16" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,266.91	114.90
			<i>For DR 25, Deduct</i>	-242.23	
33 14 13 23-0208	EA		16" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,345.34	136.79
			<i>For DR 25, Deduct</i>	-244.31	
33 14 13 23-0209	EA		16" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,576.01	147.73
			<i>For DR 25, Deduct</i>	-256.83	
33 14 13 23-0210	EA		18" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,775.72	125.84
			<i>For DR 25, Deduct</i>	-271.44	
33 14 13 23-0211	EA		18" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,902.84	127.90
			<i>For DR 25, Deduct</i>	-278.82	
33 14 13 23-0212	EA		18" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,029.10	129.95
			<i>For DR 25, Deduct</i>	-286.15	
33 14 13 23-0213	EA		18" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,174.30	142.26
			<i>For DR 25, Deduct</i>	-293.39	
33 14 13 23-0214	EA		18" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,341.11	164.15
			<i>For DR 25, Deduct</i>	-300.77	
33 14 13 23-0215	EA		18" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,484.59	175.09
			<i>For DR 25, Deduct</i>	-308.06	
33 14 13 23-0216	EA		18" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	5,668.72	191.51
			<i>For DR 25, Deduct</i>	-317.14	
33 14 13 23-0217	EA		20" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,052.47	153.20
			<i>For DR 25, Deduct</i>	-344.76	
33 14 13 23-0218	EA		20" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,264.61	155.25
			<i>For DR 25, Deduct</i>	-357.25	
33 14 13 23-0219	EA		20" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,350.11	157.31
			<i>For DR 25, Deduct</i>	-362.13	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 14 13 23-0220	EA		20" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,455.26	169.62
				<i>For DR 25, Deduct</i>	-366.96	
	33 14 13 23-0221	EA		20" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,579.56	191.51
				<i>For DR 25, Deduct</i>	-371.79	
	33 14 13 23-0222	EA		20" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,731.57	202.45
				<i>For DR 25, Deduct</i>	-379.60	
	33 14 13 23-0223	EA		20" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	6,897.13	218.86
				<i>For DR 25, Deduct</i>	-387.56	
	33 14 13 23-0224	EA		20" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,039.00	246.21
				<i>For DR 25, Deduct</i>	-392.79	
	33 14 13 23-0225	EA		24" x 4" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,083.98	201.08
				<i>For DR 25, Deduct</i>	-400.91	
	33 14 13 23-0226	EA		24" x 6" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,214.76	203.13
				<i>For DR 25, Deduct</i>	-408.51	
	33 14 13 23-0227	EA		24" x 8" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,306.63	205.19
				<i>For DR 25, Deduct</i>	-413.78	
	33 14 13 23-0228	EA		24" x 10" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	7,686.32	217.49
				<i>For DR 25, Deduct</i>	-435.08	
	33 14 13 23-0229	EA		24" x 12" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,085.28	239.37
				<i>For DR 25, Deduct</i>	-456.39	
	33 14 13 23-0230	EA		24" x 14" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,462.28	250.32
				<i>For DR 25, Deduct</i>	-477.70	
	33 14 13 23-0231	EA		24" x 16" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	8,851.76	266.73
				<i>For DR 25, Deduct</i>	-499.10	
	33 14 13 23-0232	EA		24" x 18" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,260.84	294.09
				<i>For DR 25, Deduct</i>	-520.36	
	33 14 13 23-0233	EA		24" x 20" Reducing Cross, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	9,671.43	321.45
				<i>For DR 25, Deduct</i>	-541.71	
	<b>33 14 13 23-0234</b>			<b>Couplings, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
	33 14 13 23-0235	EA		4" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	130.30	16.72
				<i>For DR 25, Deduct</i>	-5.81	
	33 14 13 23-0236	EA		6" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	237.53	18.81
				<i>For DR 25, Deduct</i>	-11.99	
	33 14 13 23-0237	EA		8" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	285.15	20.90
				<i>For DR 25, Deduct</i>	-14.60	
	33 14 13 23-0238	EA		10" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	406.07	32.83
				<i>For DR 25, Deduct</i>	-20.42	
	33 14 13 23-0239	EA		12" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	641.40	41.04
				<i>For DR 25, Deduct</i>	-33.56	
	33 14 13 23-0240	EA		14" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,106.11	54.72
				<i>For DR 25, Deduct</i>	-59.80	
	33 14 13 23-0241	EA		16" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,311.75	68.40
				<i>For DR 25, Deduct</i>	-70.50	
	33 14 13 23-0242	EA		18" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,118.32	109.43
				<i>For DR 25, Deduct</i>	-173.97	
	33 14 13 23-0243	EA		20" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,501.57	136.79
				<i>For DR 25, Deduct</i>	-193.68	
	33 14 13 23-0244	EA		24" Coupling, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,927.07	184.67
				<i>For DR 25, Deduct</i>	-273.47	
	<b>33 14 13 23-0245</b>			<b>Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0075)</small>		
	33 14 13 23-0246	EA		4" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	159.79	16.72
				<i>For DR 25, Deduct</i>	-7.58	
	33 14 13 23-0247	EA		6" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	215.40	18.81
				<i>For DR 25, Deduct</i>	-10.67	
	33 14 13 23-0248	EA		8" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	310.36	20.90
				<i>For DR 25, Deduct</i>	-16.11	
	33 14 13 23-0249	EA		10" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	425.72	32.83
				<i>For DR 25, Deduct</i>	-21.60	
	33 14 13 23-0250	EA		12" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	683.07	54.72
				<i>For DR 25, Deduct</i>	-34.42	
	33 14 13 23-0251	EA		14" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	1,780.89	65.66
				<i>For DR 25, Deduct</i>	-98.97	
	33 14 13 23-0252	EA		16" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,407.95	82.07
				<i>For DR 25, Deduct</i>	-134.63	
	33 14 13 23-0253	EA		18" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	2,970.30	109.43
				<i>For DR 25, Deduct</i>	-165.09	
	33 14 13 23-0254	EA		20" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	3,551.14	136.79
				<i>For DR 25, Deduct</i>	-196.65	
	33 14 13 23-0255	EA		24" Flanged End x Gasket Joint Adapter, AWWA C900/905, DR 18, PC 235 Polyvinyl Chloride (PVC).....	4,823.64	184.67
				<i>For DR 25, Deduct</i>	-267.26	
	<b>33 14 13 23-0256</b>			<b>Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Piping</b> <small>(33 14 13 23)</small>		
	<b>33 14 13 23-0257</b>			<b>Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe</b> <small>(33 14 13 23-0256)</small>		
	33 14 13 23-0258	LF		3/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	3.34	1.12
				<i>For &gt;1,000, Deduct</i>	-0.17	
				<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.08	
	33 14 13 23-0259	LF		1" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	3.72	1.20
				<i>For &gt;1,000, Deduct</i>	-0.19	
				<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.11	



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0260	LF		1-1/4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	4.43	1.31
			<i>For &gt;1,000, Deduct</i>	-0.22	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.17	
33 14 13 23-0261	LF		1-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	5.20	1.45
			<i>For &gt;1,000, Deduct</i>	-0.26	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.24	
33 14 13 23-0262	LF		2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	6.96	1.61
			<i>For &gt;1,000, Deduct</i>	-0.35	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.44	
33 14 13 23-0263	LF		2-1/2" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe .....	9.23	1.84
			<i>For &gt;1,000, Deduct</i>	-0.46	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.69	
33 14 13 23-0264	LF		3" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	11.53	2.09
			<i>For &gt;1,000, Deduct</i>	-0.58	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	0.95	
33 14 13 23-0265	LF		4" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	16.77	2.58
			<i>For &gt;1,000, Deduct</i>	-0.84	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	1.55	
33 14 13 23-0266	LF		6" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	30.67	3.27
			<i>For &gt;1,000, Deduct</i>	-1.53	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	3.38	
33 14 13 23-0267	LF		8" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	49.08	4.38
			<i>For &gt;1,000, Deduct</i>	-2.45	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	5.72	
33 14 13 23-0268	LF		10" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	73.93	5.85
			<i>For &gt;1,000, Deduct</i>	-3.70	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	8.90	
33 14 13 23-0269	LF		12" Class 200, SDR 21 Polyvinyl Chloride (PVC) Pressure Pipe.....	103.25	7.88
			<i>For &gt;1,000, Deduct</i>	-5.16	
			<i>For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add</i>	12.53	
<b>33 14 13 23-0270</b>			<b>90 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0256)</small>		
33 14 13 23-0271	EA		3/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	34.08	13.38
33 14 13 23-0272	EA		1", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	43.22	16.72
33 14 13 23-0273	EA		1-1/4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	54.61	20.90
33 14 13 23-0274	EA		1-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	90.60	23.13
33 14 13 23-0275	EA		2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	97.29	25.92
33 14 13 23-0276	EA		2-1/2", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	116.35	29.40
33 14 13 23-0277	EA		3", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	131.79	33.49
33 14 13 23-0278	EA		4", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	187.99	41.13
33 14 13 23-0279	EA		6", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	277.45	52.26
33 14 13 23-0280	EA		8", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	464.87	68.61
33 14 13 23-0281	EA		10", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	564.51	91.78
33 14 13 23-0282	EA		12", Class 200, SDR 21 Polyvinyl Chloride (PVC) 90 Degree Elbow.....	744.11	123.54
<b>33 14 13 23-0283</b>			<b>45 Degree Elbows, Class 200, SDR 21 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0256)</small>		
33 14 13 23-0284	EA		3/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	34.96	13.38
33 14 13 23-0285	EA		1" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	43.85	16.72
33 14 13 23-0286	EA		1-1/4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	54.99	20.90
33 14 13 23-0287	EA		1-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	79.08	23.13
33 14 13 23-0288	EA		2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	98.36	25.92
33 14 13 23-0289	EA		2-1/2" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	120.70	29.40
33 14 13 23-0290	EA		3" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	129.95	33.49
33 14 13 23-0291	EA		4" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	184.03	41.13
33 14 13 23-0292	EA		6" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	269.45	52.26
33 14 13 23-0293	EA		8" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	449.63	68.61
33 14 13 23-0294	EA		10" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	501.35	91.78
33 14 13 23-0295	EA		12" 45 Degree Elbow, Class 200, SDR 21 Polyvinyl Chloride (PVC).....	656.69	123.54
<b>33 14 13 23-0296</b>			<b>Tees Or Wyes, Class 200, SDR 21 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0256)</small>		
33 14 13 23-0297	EA		3/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	51.05	20.07
33 14 13 23-0298	EA		1" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	64.57	25.22
33 14 13 23-0299	EA		1-1/4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	81.13	31.50
33 14 13 23-0300	EA		1-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	121.74	34.84
33 14 13 23-0301	EA		2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	139.40	38.75
33 14 13 23-0302	EA		2-1/2" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	163.28	44.18
33 14 13 23-0303	EA		3" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	202.57	50.12
33 14 13 23-0304	EA		4" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	270.24	61.78
33 14 13 23-0305	EA		6" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	471.39	78.52
33 14 13 23-0306	EA		8" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	720.80	102.91
33 14 13 23-0307	EA		10" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	818.77	140.49
33 14 13 23-0308	EA		12" Tees Or Wyes, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	1,009.39	189.04
<b>33 14 13 23-0309</b>			<b>Couplings, Class 200, SDR 21 Polyvinyl Chloride (PVC)</b> <small>(33 14 13 23-0256)</small>		
33 14 13 23-0310	EA		3/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	22.87	8.92
33 14 13 23-0311	EA		1" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	30.91	11.98
33 14 13 23-0312	EA		1-1/4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	41.58	15.75
33 14 13 23-0313	EA		1-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	62.70	17.42
33 14 13 23-0314	EA		2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	68.90	19.37
33 14 13 23-0315	EA		2-1/2" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	78.38	22.02
33 14 13 23-0316	EA		3" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	91.67	25.06
33 14 13 23-0317	EA		4" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	129.33	30.82



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0318	EA		6" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	189.72	39.26
33 14 13 23-0319	EA		8" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	337.41	51.45
33 14 13 23-0320	EA		10" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	384.61	70.31
33 14 13 23-0321	EA		12" Coupling, Class 200 SDR 21 Polyvinyl Chloride (PVC).....	484.70	94.52
<b>33 14 13 23-0322</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0323</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0322)</b>		
33 14 13 23-0324	LF		3/4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	3.78	1.12
			For >1,000, Deduct	-0.19	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.15	
33 14 13 23-0325	LF		1" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	4.57	1.20
			For >1,000, Deduct	-0.23	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.24	
33 14 13 23-0326	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	5.99	1.45
			For >1,000, Deduct	-0.30	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.36	
33 14 13 23-0327	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	7.25	1.61
			For >1,000, Deduct	-0.36	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.48	
33 14 13 23-0328	LF		2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	9.70	1.84
			For >1,000, Deduct	-0.49	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.77	
33 14 13 23-0329	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	11.83	2.09
			For >1,000, Deduct	-0.59	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	0.99	
33 14 13 23-0330	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	15.96	2.58
			For >1,000, Deduct	-0.80	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	1.43	
33 14 13 23-0331	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Pipe.....	24.79	3.27
			For >1,000, Deduct	-1.24	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add	2.49	
<b>33 14 13 23-0332</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0322)</b>		
33 14 13 23-0333	EA		3/4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	34.40	13.38
33 14 13 23-0334	EA		1" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	43.41	16.72
33 14 13 23-0335	EA		1-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	60.50	23.13
33 14 13 23-0336	EA		2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	68.70	25.92
33 14 13 23-0337	EA		2-1/2" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	84.23	29.40
33 14 13 23-0338	EA		3" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	96.65	33.49
33 14 13 23-0339	EA		4" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	129.17	41.13
33 14 13 23-0340	EA		6" 90 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	214.46	52.26
<b>33 14 13 23-0341</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0322)</b>		
33 14 13 23-0342	EA		3/4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	34.32	13.38
33 14 13 23-0343	EA		1" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	43.33	16.72
33 14 13 23-0344	EA		1-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	60.53	23.13
33 14 13 23-0345	EA		2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	68.40	25.92
33 14 13 23-0346	EA		2-1/2" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	83.41	29.40
33 14 13 23-0347	EA		3" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	95.68	33.49
33 14 13 23-0348	EA		4" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	127.23	41.13
33 14 13 23-0349	EA		6" 45 Degree Elbow, Schedule 40 Polyvinyl Chloride (PVC).....	208.27	52.26
<b>33 14 13 23-0350</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0322)</b>		
33 14 13 23-0351	EA		3/4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	51.38	20.07
33 14 13 23-0352	EA		1" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	64.83	25.22
33 14 13 23-0353	EA		1-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	90.38	34.84
33 14 13 23-0354	EA		2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	101.98	38.75
33 14 13 23-0355	EA		2-1/2" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	126.82	44.18
33 14 13 23-0356	EA		3" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	148.91	50.12
33 14 13 23-0357	EA		4" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	185.85	61.78
33 14 13 23-0358	EA		6" Tees Or Wyes, Schedule 40 Polyvinyl Chloride (PVC).....	327.66	78.52
<b>33 14 13 23-0359</b>			<b>Schedule 40 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0322)</b>		
33 14 13 23-0360	EA		3/4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	23.02	8.92
33 14 13 23-0361	EA		1" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	31.03	11.98
33 14 13 23-0362	EA		1-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	45.00	17.42
33 14 13 23-0363	EA		2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	50.96	19.37
33 14 13 23-0364	EA		2-1/2" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	60.55	22.02
33 14 13 23-0365	EA		3" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	71.01	25.06
33 14 13 23-0366	EA		4" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	88.20	30.82
33 14 13 23-0367	EA		6" Coupling, Schedule 40 Polyvinyl Chloride (PVC).....	136.24	39.26
<b>33 14 13 23-0368</b>			<b>Crosses, Schedule 40 Polyvinyl Chloride (PVC) (33 14 13 23-0322)</b>		
33 14 13 23-0369	EA		3/4" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	68.81	26.76
33 14 13 23-0370	EA		1" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	86.32	33.59
33 14 13 23-0371	EA		1-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	120.47	46.41
33 14 13 23-0372	EA		2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	135.94	51.71
33 14 13 23-0373	EA		2-1/2" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	169.01	58.82
33 14 13 23-0374	EA		3" Cross, Schedule 40 Polyvinyl Chloride (PVC).....	198.40	66.87

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0375	EA		4" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	247.62	82.28
33 14 13 23-0376	EA		6" Cross, Schedule 40 Polyvinyl Chloride (PVC) .....	436.10	104.65
<b>33 14 13 23-0377</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0378</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Pipe (33 14 13 23-0377)</b>		
33 14 13 23-0379	LF		1" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	5.05	1.20
			For >1,000, Deduct .....	-0.25	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.31	
33 14 13 23-0380	LF		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	6.96	1.45
			For >1,000, Deduct .....	-0.35	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.50	
33 14 13 23-0381	LF		2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	8.89	1.61
			For >1,000, Deduct .....	-0.44	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	0.73	
33 14 13 23-0382	LF		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	11.82	1.84
			For >1,000, Deduct .....	-0.59	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	1.08	
33 14 13 23-0383	LF		3" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	14.80	2.09
			For >1,000, Deduct .....	-0.74	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	1.44	
33 14 13 23-0384	LF		4" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	20.51	2.58
			For >1,000, Deduct .....	-1.03	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	2.11	
33 14 13 23-0385	LF		6" Schedule 80 Polyvinyl Chloride (PVC) Pipe .....	34.92	3.27
			For >1,000, Deduct .....	-1.75	
			For Coloring Of Polyvinyl Chloride (PVC) Pipe For Reclaimed Water Identification, Add .....	4.01	
<b>33 14 13 23-0386</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows (33 14 13 23-0377)</b>		
33 14 13 23-0387	EA		1" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	45.93	16.72
33 14 13 23-0388	EA		1-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	60.50	23.13
33 14 13 23-0389	EA		2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	71.22	25.92
33 14 13 23-0390	EA		2-1/2" 90 Degree Elbow, Schedule 80 Polyvinyl Chloride (PVC) .....	89.59	29.40
33 14 13 23-0391	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	101.62	33.49
33 14 13 23-0392	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	130.37	41.13
33 14 13 23-0393	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbow .....	208.79	52.26
<b>33 14 13 23-0394</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows (33 14 13 23-0377)</b>		
33 14 13 23-0395	EA		1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	56.26	16.72
33 14 13 23-0396	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	70.45	23.13
33 14 13 23-0397	EA		2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	80.79	25.92
33 14 13 23-0398	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	107.53	29.40
33 14 13 23-0399	EA		3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	124.98	33.49
33 14 13 23-0400	EA		4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	177.34	41.13
33 14 13 23-0401	EA		6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbow .....	205.65	52.26
<b>33 14 13 23-0402</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes (33 14 13 23-0377)</b>		
33 14 13 23-0403	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	70.12	25.22
33 14 13 23-0404	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	106.44	34.84
33 14 13 23-0405	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	121.13	38.75
33 14 13 23-0406	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	136.96	44.18
33 14 13 23-0407	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	158.61	50.12
33 14 13 23-0408	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	192.84	61.78
33 14 13 23-0409	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Tees Or Wyes .....	327.40	78.52
<b>33 14 13 23-0410</b>			<b>Schedule 80 Polyvinyl Chloride (PVC) Couplings (33 14 13 23-0377)</b>		
33 14 13 23-0411	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	34.81	11.98
33 14 13 23-0412	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	51.49	17.42
33 14 13 23-0413	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	57.06	19.37
33 14 13 23-0414	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	76.23	22.02
33 14 13 23-0415	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	86.82	25.06
33 14 13 23-0416	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	107.41	30.82
33 14 13 23-0417	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Coupling .....	163.07	39.26
<b>33 14 13 23-0418</b>			<b>Crosses, Schedule 80 Polyvinyl Chloride (PVC) (33 14 13 23-0377)</b>		
33 14 13 23-0419	EA		1" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	93.35	33.59
33 14 13 23-0420	EA		1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	141.79	46.41
33 14 13 23-0421	EA		2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	161.36	51.71
33 14 13 23-0422	EA		2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	182.47	58.82
33 14 13 23-0423	EA		3" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	211.27	66.87
33 14 13 23-0424	EA		4" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	256.89	82.28
33 14 13 23-0425	EA		6" Schedule 80 Polyvinyl Chloride (PVC) Cross .....	435.77	104.65
<b>33 14 13 23-0426</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe And Fittings (33 14 13 23)</b>		
<b>33 14 13 23-0427</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe (33 14 13 23-0426)</b>		
33 14 13 23-0428	LF		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	56.29	4.29
33 14 13 23-0429	LF		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	79.19	4.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0430	LF		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	106.38	5.35
33 14 13 23-0431	LF		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	144.62	6.86
33 14 13 23-0432	LF		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe .....	165.83	8.36
<b>33 14 13 23-0433</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows (33 14 13 23-0426)</b>		
33 14 13 23-0434	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	718.68	62.26
33 14 13 23-0435	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	1,494.45	104.38
33 14 13 23-0436	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	2,555.64	113.93
33 14 13 23-0437	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	5,957.32	123.26
33 14 13 23-0438	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow .....	8,043.57	132.61
<b>33 14 13 23-0439</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows (33 14 13 23-0426)</b>		
33 14 13 23-0440	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	991.69	62.26
33 14 13 23-0441	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	1,219.02	104.38
33 14 13 23-0442	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	1,630.01	113.93
33 14 13 23-0443	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	3,122.16	123.26
33 14 13 23-0444	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow .....	4,438.76	132.61
<b>33 14 13 23-0445</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees (33 14 13 23-0426)</b>		
33 14 13 23-0446	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee .....	1,379.96	99.61
33 14 13 23-0447	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee .....	2,035.88	148.87
33 14 13 23-0448	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee .....	2,667.50	158.76
33 14 13 23-0449	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee .....	6,352.23	168.10
33 14 13 23-0450	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee .....	8,917.81	177.42
<b>33 14 13 23-0451</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees (33 14 13 23-0426)</b>		
33 14 13 23-0452	EA		8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	1,354.14	94.63
33 14 13 23-0453	EA		10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	1,496.12	134.34
33 14 13 23-0454	EA		10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	1,699.34	141.42
33 14 13 23-0455	EA		12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	1,911.89	136.12
33 14 13 23-0456	EA		12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	2,117.61	143.28
33 14 13 23-0457	EA		12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	2,407.62	150.82
33 14 13 23-0458	EA		14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	4,579.65	136.93
33 14 13 23-0459	EA		14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	4,931.85	144.13
33 14 13 23-0460	EA		14" x 14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	5,379.66	151.71
33 14 13 23-0461	EA		14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	5,896.52	159.70
33 14 13 23-0462	EA		16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	5,543.60	137.30
33 14 13 23-0463	EA		16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	6,174.53	144.52
33 14 13 23-0464	EA		16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	6,672.69	152.13
33 14 13 23-0465	EA		16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	7,438.31	160.13
33 14 13 23-0466	EA		16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee .....	8,240.67	168.56
<b>33 14 13 23-0467</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wyes (33 14 13 23-0426)</b>		
33 14 13 23-0468	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye .....	1,393.04	99.61
33 14 13 23-0469	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye .....	2,337.44	148.87
33 14 13 23-0470	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye .....	3,134.25	158.76
33 14 13 23-0471	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye .....	9,937.27	168.10
33 14 13 23-0472	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Wye .....	12,381.00	177.42
<b>33 14 13 23-0473</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wyes (33 14 13 23-0426)</b>		
33 14 13 23-0474	EA		8" x 8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	1,218.13	94.63
33 14 13 23-0475	EA		10" x 10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	1,697.70	134.34
33 14 13 23-0476	EA		10" x 10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	1,957.22	141.42
33 14 13 23-0477	EA		12" x 12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	2,236.54	136.12
33 14 13 23-0478	EA		12" x 12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	2,359.70	143.28
33 14 13 23-0479	EA		12" x 12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	2,841.29	150.82
33 14 13 23-0480	EA		14" x 14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	4,823.71	136.93
33 14 13 23-0481	EA		14" x 14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	5,208.04	144.13
33 14 13 23-0482	EA		14" x 14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	6,304.89	159.70
33 14 13 23-0483	EA		16" x 16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	5,748.99	137.30
33 14 13 23-0484	EA		16" x 16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	6,638.19	144.52
33 14 13 23-0485	EA		16" x 16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	7,434.66	152.13
33 14 13 23-0486	EA		16" x 16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	8,051.09	160.13
33 14 13 23-0487	EA		16" x 16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Wye .....	10,045.84	168.56
<b>33 14 13 23-0488</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings (33 14 13 23-0426)</b>		
33 14 13 23-0489	EA		8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling .....	656.18	62.26
33 14 13 23-0490	EA		10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling .....	902.79	104.38
33 14 13 23-0491	EA		12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling .....	1,230.64	113.93
33 14 13 23-0492	EA		14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling .....	2,378.14	123.26
33 14 13 23-0493	EA		16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling .....	3,510.12	132.61
<b>33 14 13 23-0494</b>			<b>Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Couplings (33 14 13 23-0426)</b>		

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 14 13 23-0495	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	876.25		59.13
33 14 13 23-0496	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	652.41		56.18
33 14 13 23-0497	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	918.71		99.16
33 14 13 23-0498	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	1,715.36		94.20
33 14 13 23-0499	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	1,600.05		89.49
33 14 13 23-0500	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	1,265.77		85.02
33 14 13 23-0501	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	832.19		108.22
33 14 13 23-0502	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	2,286.03		102.82
33 14 13 23-0503	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	1,933.41		97.67
33 14 13 23-0504	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	1,677.79		92.78
33 14 13 23-0505	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	1,557.53		117.09
33 14 13 23-0506	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	3,002.02		111.24
33 14 13 23-0507	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	3,377.65		105.68
33 14 13 23-0508	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	3,233.22		100.39
33 14 13 23-0509	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	3,064.86		95.38
33 14 13 23-0510	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Coupling .....	2,826.10		125.98
<b>33 14 13 23-0511 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Couplings</b> <small>(33 14 13 23-0426)</small>					
33 14 13 23-0512	EA	8" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	809.87		105.68
33 14 13 23-0513	EA	10" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	1,370.74		100.39
33 14 13 23-0514	EA	10" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	1,055.47		100.39
33 14 13 23-0515	EA	12" x 4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	2,590.98		95.38
33 14 13 23-0516	EA	12" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	1,763.77		90.61
33 14 13 23-0517	EA	12" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	1,681.32		86.08
33 14 13 23-0518	EA	12" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	1,550.48		95.38
33 14 13 23-0519	EA	14" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	2,771.43		90.61
33 14 13 23-0520	EA	14" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	2,710.42		86.08
33 14 13 23-0521	EA	14" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	1,983.11		81.77
33 14 13 23-0522	EA	14" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	1,850.38		90.61
33 14 13 23-0523	EA	16" x 6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	4,863.59		86.08
33 14 13 23-0524	EA	16" x 8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	4,698.82		81.77
33 14 13 23-0525	EA	16" x 10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	4,606.09		77.69
33 14 13 23-0526	EA	16" x 12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	4,422.94		73.80
33 14 13 23-0527	EA	16" x 14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Eccentric Reducing Coupling .....	4,198.66		119.68
<b>33 14 13 23-0528 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flanges</b> <small>(33 14 13 23-0426)</small>					
33 14 13 23-0529	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange .....	857.81		62.26
33 14 13 23-0530	EA	10" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange .....	1,951.33		104.38
33 14 13 23-0531	EA	12" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange .....	2,821.25		113.93
33 14 13 23-0532	EA	14" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange .....	3,166.30		123.26
33 14 13 23-0533	EA	16" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Flange .....	3,904.22		132.61
33 14 13 23-0534	EA	8" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket .....	25.59		
33 14 13 23-0535	EA	10" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket .....	33.34		
33 14 13 23-0536	EA	12" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket .....	45.89		
33 14 13 23-0537	EA	14" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket .....	98.16		
33 14 13 23-0538	EA	16" Ethylene Propylene Diene Monomer (EPDM) Flange Gasket .....	174.15		
33 14 13 23-0539	EA	Zinc Coated Flange Hardware Kit .....	163.53		
<b>33 14 13 23-0540 AWWA C906, High Density Polyethylene (HDPE) Pressure Piping</b> <small>(33 14 13 23)</small>					
Note: ASTM D3350 pipe, ASTM D2657 heat fusion.					
<b>33 14 13 23-0541 High Density Polyethylene (HDPE) Pressure Pipe</b> <small>(33 14 13 23-0540)</small>					
33 14 13 23-0542	LF	3" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	11.02		3.88
		For SDR 19, Add .....	0.29		
		For SDR 17, Add .....	0.71		
		For SDR 15.5, Add .....	1.04		
		For SDR 13.5, Add .....	1.63		
		For SDR 11, Add .....	2.62		
33 14 13 23-0543	LF	4" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	11.39		4.92
		For SDR 26, Deduct .....	-0.29		
		For SDR 19, Add .....	0.14		
		For SDR 17, Add .....	0.35		
		For SDR 15.5, Add .....	0.51		
		For SDR 13.5, Add .....	0.79		
		For SDR 11, Add .....	1.28		
33 14 13 23-0544	LF	6" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	15.30		5.95
		For SDR 26, Deduct .....	-0.62		
		For SDR 19, Add .....	0.30		
		For SDR 17, Add .....	0.75		
		For SDR 15.5, Add .....	1.10		
		For SDR 13.5, Add .....	1.72		
		For SDR 11, Add .....	2.76		
33 14 13 23-0545	LF	8" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	19.14		6.70
		For SDR 26, Deduct .....	-1.05		
		For SDR 19, Add .....	0.52		
		For SDR 17, Add .....	1.27		
		For SDR 15.5, Add .....	1.86		
		For SDR 13.5, Add .....	2.91		
		For SDR 11, Add .....	4.68		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0546	LF		10" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	23.81	7.44
			For SDR 26, Deduct	-1.63	
			For SDR 19, Add	0.80	
			For SDR 17, Add	1.98	
			For SDR 15.5, Add	2.90	
			For SDR 13.5, Add	4.53	
			For SDR 11, Add	7.28	
33 14 13 23-0547	LF		12" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	29.38	8.34
			For SDR 26, Deduct	-2.36	
			For SDR 19, Add	1.16	
			For SDR 17, Add	2.86	
			For SDR 15.5, Add	4.18	
			For SDR 13.5, Add	6.53	
			For SDR 11, Add	10.50	
33 14 13 23-0548	LF		14" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	33.73	9.38
			For SDR 26, Deduct	-2.77	
			For SDR 19, Add	1.36	
			For SDR 17, Add	3.36	
			For SDR 15.5, Add	4.92	
			For SDR 13.5, Add	7.67	
			For SDR 11, Add	12.35	
33 14 13 23-0549	LF		16" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	40.58	10.43
			For SDR 26, Deduct	-3.62	
			For SDR 19, Add	1.78	
			For SDR 17, Add	4.38	
			For SDR 15.5, Add	6.42	
			For SDR 13.5, Add	10.02	
			For SDR 11, Add	16.13	
33 14 13 23-0550	LF		18" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	50.03	12.51
			For SDR 26, Deduct	-4.57	
			For SDR 19, Add	2.24	
			For SDR 17, Add	5.54	
			For SDR 15.5, Add	8.12	
			For SDR 13.5, Add	12.67	
			For SDR 11, Add	20.39	
33 14 13 23-0551	LF		20" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	132.92	14.90
			For SDR 26, Deduct	-18.90	
			For SDR 19, Add	9.28	
			For SDR 17, Add	22.92	
			For SDR 15.5, Add	33.56	
			For SDR 13.5, Add	52.38	
			For SDR 11, Add	84.31	
33 14 13 23-0552	LF		24" DR 21, Butt Fusion Joint High Density Polyethylene (HDPE) Pressure Pipe .....	80.12	17.87
			For SDR 26, Deduct	-8.13	
			For SDR 19, Add	3.99	
			For SDR 17, Add	9.86	
			For SDR 15.5, Add	14.44	
			For SDR 13.5, Add	22.54	
			For SDR 11, Add	36.28	
<b>33 14 13 23-0553</b>			<b>90 Degree Elbows, High Density Polyethylene (HDPE) Pressure Piping <small>(33 14 13 23-0540)</small></b>		
33 14 13 23-0554	EA		3" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	75.83	20.90
			For SDR 26, Deduct	-2.40	
			For SDR 19, Add	1.18	
			For SDR 17, Add	2.91	
			For SDR 15.5, Add	4.27	
			For SDR 13.5, Add	6.66	
			For SDR 11, Add	10.72	
33 14 13 23-0555	EA		4" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	85.31	23.25
			For SDR 26, Deduct	-2.86	
			For SDR 19, Add	1.41	
			For SDR 17, Add	3.47	
			For SDR 15.5, Add	5.08	
			For SDR 13.5, Add	7.93	
			For SDR 11, Add	12.77	
33 14 13 23-0556	EA		6" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	121.13	26.55
			For SDR 26, Deduct	-7.61	
			For SDR 19, Add	3.74	
			For SDR 17, Add	9.23	
			For SDR 15.5, Add	13.52	
			For SDR 13.5, Add	21.10	
			For SDR 11, Add	33.96	
33 14 13 23-0557	EA		8" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	179.77	31.00
			For SDR 26, Deduct	-15.92	
			For SDR 19, Add	7.81	
			For SDR 17, Add	19.29	
			For SDR 15.5, Add	28.25	
			For SDR 13.5, Add	44.10	
			For SDR 11, Add	70.98	
33 14 13 23-0558	EA		10" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	268.83	41.40
			For SDR 26, Deduct	-26.57	
			For SDR 19, Add	13.04	
			For SDR 17, Add	32.20	
			For SDR 15.5, Add	47.16	
			For SDR 13.5, Add	73.61	
			For SDR 11, Add	118.48	



## 33 Utilities

## 33 10 Water Utilities

## 33 14 Water Utility Transmission and Distribution

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 14 13 23-0559	EA 12" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	398.01	61.95
	<i>For SDR 26, Deduct</i>	-38.90	
	<i>For SDR 19, Add</i>	19.10	
	<i>For SDR 17, Add</i>	47.16	
	<i>For SDR 15.5, Add</i>	69.06	
	<i>For SDR 13.5, Add</i>	107.79	
	<i>For SDR 11, Add</i>	173.50	
33 14 13 23-0560	EA 14" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	500.91	82.67
	<i>For SDR 26, Deduct</i>	-46.37	
	<i>For SDR 19, Add</i>	22.77	
	<i>For SDR 17, Add</i>	56.22	
	<i>For SDR 15.5, Add</i>	82.33	
	<i>For SDR 13.5, Add</i>	128.50	
	<i>For SDR 11, Add</i>	206.83	
33 14 13 23-0561	EA 16" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	674.53	123.91
	<i>For SDR 26, Deduct</i>	-55.53	
	<i>For SDR 19, Add</i>	27.27	
	<i>For SDR 17, Add</i>	67.32	
	<i>For SDR 15.5, Add</i>	98.59	
	<i>For SDR 13.5, Add</i>	153.88	
	<i>For SDR 11, Add</i>	247.68	
33 14 13 23-0562	EA 18" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	830.45	139.37
	<i>For SDR 26, Deduct</i>	-75.57	
	<i>For SDR 19, Add</i>	37.11	
	<i>For SDR 17, Add</i>	91.61	
	<i>For SDR 15.5, Add</i>	134.16	
	<i>For SDR 13.5, Add</i>	209.41	
	<i>For SDR 11, Add</i>	337.06	
33 14 13 23-0563	EA 20" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,099.43	158.19
	<i>For SDR 26, Deduct</i>	-113.65	
	<i>For SDR 19, Add</i>	55.80	
	<i>For SDR 17, Add</i>	137.76	
	<i>For SDR 15.5, Add</i>	201.75	
	<i>For SDR 13.5, Add</i>	314.90	
	<i>For SDR 11, Add</i>	506.85	
33 14 13 23-0564	EA 24" 90 Degree Elbow, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,385.21	185.93
	<i>For SDR 26, Deduct</i>	-151.72	
	<i>For SDR 19, Add</i>	74.49	
	<i>For SDR 17, Add</i>	183.92	
	<i>For SDR 15.5, Add</i>	269.34	
	<i>For SDR 13.5, Add</i>	420.39	
	<i>For SDR 11, Add</i>	676.65	
33 14 13 23-0565	Tees, High Density Polyethylene (HDPE) Pressure Piping (33 14 13 23-0540)		
33 14 13 23-0566	EA 3" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	82.65	21.89
	<i>For SDR 26, Deduct</i>	-3.14	
	<i>For SDR 19, Add</i>	1.54	
	<i>For SDR 17, Add</i>	3.81	
	<i>For SDR 15.5, Add</i>	5.58	
	<i>For SDR 13.5, Add</i>	8.71	
	<i>For SDR 11, Add</i>	14.01	
33 14 13 23-0567	EA 4" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	94.47	24.78
	<i>For SDR 26, Deduct</i>	-3.70	
	<i>For SDR 19, Add</i>	1.82	
	<i>For SDR 17, Add</i>	4.48	
	<i>For SDR 15.5, Add</i>	6.57	
	<i>For SDR 13.5, Add</i>	10.25	
	<i>For SDR 11, Add</i>	16.50	
33 14 13 23-0568	EA 6" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	138.47	28.60
	<i>For SDR 26, Deduct</i>	-9.67	
	<i>For SDR 19, Add</i>	4.75	
	<i>For SDR 17, Add</i>	11.72	
	<i>For SDR 15.5, Add</i>	17.16	
	<i>For SDR 13.5, Add</i>	26.79	
	<i>For SDR 11, Add</i>	43.11	
33 14 13 23-0569	EA 8" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	235.13	33.80
	<i>For SDR 26, Deduct</i>	-24.53	
	<i>For SDR 19, Add</i>	12.04	
	<i>For SDR 17, Add</i>	29.73	
	<i>For SDR 15.5, Add</i>	43.54	
	<i>For SDR 13.5, Add</i>	67.96	
	<i>For SDR 11, Add</i>	109.39	
33 14 13 23-0570	EA 10" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	324.99	49.62
	<i>For SDR 26, Deduct</i>	-32.31	
	<i>For SDR 19, Add</i>	15.87	
	<i>For SDR 17, Add</i>	39.17	
	<i>For SDR 15.5, Add</i>	57.36	
	<i>For SDR 13.5, Add</i>	89.54	
	<i>For SDR 11, Add</i>	144.12	
33 14 13 23-0571	EA 12" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	463.75	74.43
	<i>For SDR 26, Deduct</i>	-44.12	
	<i>For SDR 19, Add</i>	21.66	
	<i>For SDR 17, Add</i>	53.49	
	<i>For SDR 15.5, Add</i>	78.33	
	<i>For SDR 13.5, Add</i>	122.26	
	<i>For SDR 11, Add</i>	196.78	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 23-0572 EA 14" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	561.95	92.96
For SDR 26, Deduct	-51.91	
For SDR 19, Add	25.49	
For SDR 17, Add	62.92	
For SDR 15.5, Add	92.15	
For SDR 13.5, Add	143.83	
For SDR 11, Add	231.51	
33 14 13 23-0573 EA 16" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	754.61	139.37
For SDR 26, Deduct	-61.64	
For SDR 19, Add	30.27	
For SDR 17, Add	74.72	
For SDR 15.5, Add	109.43	
For SDR 13.5, Add	170.80	
For SDR 11, Add	274.92	
33 14 13 23-0574 EA 18" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	954.30	162.38
For SDR 26, Deduct	-85.65	
For SDR 19, Add	42.05	
For SDR 17, Add	103.83	
For SDR 15.5, Add	152.05	
For SDR 13.5, Add	237.33	
For SDR 11, Add	381.99	
33 14 13 23-0575 EA 20" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,302.17	191.78
For SDR 26, Deduct	-132.04	
For SDR 19, Add	64.83	
For SDR 17, Add	160.07	
For SDR 15.5, Add	234.41	
For SDR 13.5, Add	365.88	
For SDR 11, Add	588.90	
33 14 13 23-0576 EA 24" Tee, DR 21 High Density Polyethylene (HDPE) Pressure Piping.....	1,670.37	232.48
For SDR 26, Deduct	-178.44	
For SDR 19, Add	87.61	
For SDR 17, Add	216.31	
For SDR 15.5, Add	316.77	
For SDR 13.5, Add	494.43	
For SDR 11, Add	795.82	

**33 14 13 26 Galvanized Steel Public Water Utility Distribution Piping (33 14 13)**  
See CSI section 22 11 16 00-0013 for galvanized steel pipe.

**33 14 13 36 Steel Public Water Utility Distribution Piping (33 14 13)**

**33 14 13 36-0001 Steel Piping (33 14 13 36)**

**33 14 13 36-0002 Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0001)**  
Note: ASTM A252 steel pipe. See CSI section 33 14 13 43-0001 for pipe coatings, 33 14 13 43-0051 for pipe linings.

**33 14 13 36-0003 Up To 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)**

33 14 13 36-0004 LF 8" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	118.59	36.29
For <100, Add	14.18	
For >1,000, Deduct	-5.93	
33 14 13 36-0005 LF 8" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	138.84	36.29
For <100, Add	15.19	
For >1,000, Deduct	-6.94	
33 14 13 36-0006 LF 10" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	139.62	39.60
For <100, Add	15.98	
For >1,000, Deduct	-6.98	
33 14 13 36-0007 LF 10" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	165.22	39.60
For <100, Add	17.26	
For >1,000, Deduct	-8.26	
33 14 13 36-0008 LF 12" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	166.36	41.49
For <100, Add	17.74	
For >1,000, Deduct	-8.32	
33 14 13 36-0009 LF 12" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	186.27	41.49
For <100, Add	18.74	
For >1,000, Deduct	-9.31	
33 14 13 36-0010 LF 14" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	199.73	45.85
For <100, Add	20.41	
For >1,000, Deduct	-9.99	
33 14 13 36-0011 LF 14" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	215.64	45.85
For <100, Add	21.20	
For >1,000, Deduct	-10.78	
33 14 13 36-0012 LF 16" Diameter, 3/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	211.89	48.40
For <100, Add	21.59	
For >1,000, Deduct	-10.59	
33 14 13 36-0013 LF 16" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	224.17	48.40
For <100, Add	22.21	
For >1,000, Deduct	-11.21	
33 14 13 36-0014 LF 18" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	260.29	54.44
For <100, Add	25.39	
For >1,000, Deduct	-13.01	
33 14 13 36-0015 LF 20" Diameter, 1/4" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	280.42	54.44
For <100, Add	26.39	
For >1,000, Deduct	-14.02	

**33 14 13 36-0016 5/16" To 1/2" Wall Thickness Welded, Plain End, Uncoated Steel Piping (33 14 13 36-0002)**

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 13 36-0017	LF		12" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	222.23	67.49
			<i>For &lt;100, Add</i>	21.72	
			<i>For &gt;1,000, Deduct</i>	-11.11	
33 14 13 36-0018	LF		14" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	262.43	74.24
			<i>For &lt;100, Add</i>	24.84	
			<i>For &gt;1,000, Deduct</i>	-13.12	
33 14 13 36-0019	LF		16" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	290.55	77.61
			<i>For &lt;100, Add</i>	26.90	
			<i>For &gt;1,000, Deduct</i>	-14.53	
33 14 13 36-0020	LF		18" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	327.70	87.74
			<i>For &lt;100, Add</i>	30.30	
			<i>For &gt;1,000, Deduct</i>	-16.39	
33 14 13 36-0021	LF		18" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	341.35	87.74
			<i>For &lt;100, Add</i>	30.99	
			<i>For &gt;1,000, Deduct</i>	-17.07	
33 14 13 36-0022	LF		20" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	353.98	87.74
			<i>For &lt;100, Add</i>	31.62	
			<i>For &gt;1,000, Deduct</i>	-17.70	
33 14 13 36-0023	LF		20" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	368.54	87.74
			<i>For &lt;100, Add</i>	32.35	
			<i>For &gt;1,000, Deduct</i>	-18.43	
33 14 13 36-0024	LF		24" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	426.86	101.24
			<i>For &lt;100, Add</i>	37.25	
			<i>For &gt;1,000, Deduct</i>	-21.34	
33 14 13 36-0025	LF		24" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	471.91	101.24
			<i>For &lt;100, Add</i>	39.50	
			<i>For &gt;1,000, Deduct</i>	-23.60	
33 14 13 36-0026	LF		24" Diameter, 7/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	582.48	101.24
			<i>For &lt;100, Add</i>	45.03	
			<i>For &gt;1,000, Deduct</i>	-29.12	
33 14 13 36-0027	LF		30" Diameter, 5/16" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	528.72	118.11
			<i>For &lt;100, Add</i>	45.00	
			<i>For &gt;1,000, Deduct</i>	-26.44	
33 14 13 36-0028	LF		30" Diameter, 3/8" Wall Thickness Welded, Plain End, Uncoated Steel Pipe.....	547.15	118.11
			<i>For &lt;100, Add</i>	45.92	
			<i>For &gt;1,000, Deduct</i>	-27.36	
<b>33 14 13 36-0029</b>			<b>Flexible Couplings (Dresser Style 38) <small>(33 14 13 36-0001)</small></b>		
33 14 13 36-0030	EA		2" Dresser Coupling For Plain End Welded Steel Pipe.....	130.99	36.30
33 14 13 36-0031	EA		3" Dresser Coupling For Plain End Welded Steel Pipe.....	203.50	69.83
33 14 13 36-0032	EA		4" Dresser Coupling For Plain End Welded Steel Pipe.....	270.92	92.16
33 14 13 36-0033	EA		6" Dresser Coupling For Plain End Welded Steel Pipe.....	426.98	139.64
33 14 13 36-0034	EA		8" Dresser Coupling For Plain End Welded Steel Pipe.....	554.19	175.96
33 14 13 36-0035	EA		10" Dresser Coupling For Plain End Welded Steel Pipe.....	746.51	213.51
33 14 13 36-0036	EA		12" Dresser Coupling For Plain End Welded Steel Pipe.....	894.46	267.61
33 14 13 36-0037	EA		14" Dresser Coupling For Plain End Welded Steel Pipe.....	961.34	267.61
33 14 13 36-0038	EA		16" Dresser Coupling For Plain End Welded Steel Pipe.....	1,018.38	306.04
33 14 13 36-0039	EA		18" Dresser Coupling For Plain End Welded Steel Pipe.....	1,111.68	327.39
33 14 13 36-0040	EA		20" Dresser Coupling For Plain End Welded Steel Pipe.....	1,211.80	370.09
33 14 13 36-0041	EA		24" Dresser Coupling For Plain End Welded Steel Pipe.....	1,493.43	391.44
<b>33 14 13 39</b>			<b>Copper Public Water Utility Distribution Piping <small>(33 14 13)</small></b>		
<b>33 14 13 39-0001</b>			<b>Type L Copper Water Distribution Piping <small>(33 14 13 39)</small></b>		
33 14 13 39-0002	LF		1/2" Type L Copper Water Distribution Pipe.....	8.64	2.66
33 14 13 39-0003	LF		3/4" Type L Copper Water Distribution Pipe.....	10.50	2.99
33 14 13 39-0004	LF		1" Type L Copper Water Distribution Pipe.....	13.74	3.33
33 14 13 39-0005	LF		1-1/4" Type L Copper Water Distribution Pipe.....	16.94	3.99
33 14 13 39-0006	LF		1-1/2" Type L Copper Water Distribution Pipe.....	20.71	5.32
33 14 13 39-0007	LF		2" Type L Copper Water Distribution Pipe.....	29.30	6.65
33 14 13 39-0008	LF		2-1/2" Type L Copper Water Distribution Pipe.....	37.57	7.98
33 14 13 39-0009	LF		3" Type L Copper Water Distribution Pipe.....	46.45	8.77
33 14 13 39-0010	LF		3-1/2" Type L Copper Water Distribution Pipe.....	62.61	11.03
33 14 13 39-0011	LF		4" Type L Copper Water Distribution Pipe.....	82.33	13.97
33 14 13 39-0012	LF		5" Type L Copper Water Distribution Pipe.....	129.42	17.42
33 14 13 39-0013	LF		6" Type L Copper Water Distribution Pipe.....	166.32	21.01
33 14 13 39-0014	LF		8" Type L Copper Water Distribution Pipe.....	278.73	23.53
<b>33 14 13 39-0015</b>			<b>Type K Copper Water Distribution Piping <small>(33 14 13 39)</small></b>		
33 14 13 39-0016	LF		1/2" Type K Copper Water Distribution Pipe.....	9.10	2.66
33 14 13 39-0017	LF		3/4" Type K Copper Water Distribution Pipe.....	12.10	2.99
33 14 13 39-0018	LF		1" Type K Copper Water Distribution Pipe.....	15.33	3.33
33 14 13 39-0019	LF		1-1/4" Type K Copper Water Distribution Pipe.....	17.93	3.99
33 14 13 39-0020	LF		1-1/2" Type K Copper Water Distribution Pipe.....	22.17	5.32
33 14 13 39-0021	LF		2" Type K Copper Water Distribution Pipe.....	31.27	6.65
33 14 13 39-0022	LF		2-1/2" Type K Copper Water Distribution Pipe.....	43.02	7.98
33 14 13 39-0023	LF		3" Type K Copper Water Distribution Pipe.....	54.60	8.77
33 14 13 39-0024	LF		3-1/2" Type K Copper Water Distribution Pipe.....	72.20	11.03
33 14 13 39-0025	LF		4" Type K Copper Water Distribution Pipe.....	96.88	13.97
33 14 13 39-0026	LF		5" Type K Copper Water Distribution Pipe.....	159.52	17.42
33 14 13 39-0027	LF		6" Type K Copper Water Distribution Pipe.....	220.47	21.01
33 14 13 39-0028	LF		8" Type K Copper Water Distribution Pipe.....	378.65	23.53

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

**33 14 13 43 Public Water Utility Distribution Piping Coatings and Wraps (33 14 13)**

33 14 13 43-0001 Pipe Coatings (33 14 13 43)

33 14 13 43-0002 Epoxy Wrap And Pipe Coating (33 14 13 43-0001)

Note: Applied at fabrication shop.

33 14 13 43-0003	LF	12" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	5.75
33 14 13 43-0004	LF	14" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	7.64
33 14 13 43-0005	LF	16" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	8.72
33 14 13 43-0006	LF	18" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	9.16
33 14 13 43-0007	LF	20" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	9.87
33 14 13 43-0008	LF	24" Outside Diameter Of Pipe, Epoxy Wrap And Pipe Coating .....	11.50

33 14 13 43-0009 Cement Coating With Fiberglass Or Wire Mesh Reinforcing (33 14 13 43-0001)

Note: Applied at fabrication shop. Thickness ranging between 1" and 2".

33 14 13 43-0010	LF	4" Diameter Cement Coated Pipe 1" To 2" Mesh .....	7.69
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0011	LF	6" Diameter Cement Coated Pipe 1" To 2" Mesh .....	9.47
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0012	LF	8" Diameter Cement Coated Pipe 1" To 2" Mesh .....	11.84
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0013	LF	10" Diameter Cement Coated Pipe 1" To 2" Mesh .....	13.19
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0014	LF	12" Diameter Cement Coated Pipe 1" To 2" Mesh .....	14.89
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0015	LF	14" Diameter Cement Coated Pipe 1" To 2" Mesh .....	17.43
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0016	LF	16" Diameter Cement Coated Pipe 1" To 2" Mesh .....	19.80
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0017	LF	18" Diameter Cement Coated Pipe 1" To 2" Mesh .....	22.33
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0018	LF	20" Diameter Cement Coated Pipe 1" To 2" Mesh .....	24.82
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0019	LF	24" Diameter Cement Coated Pipe 1" To 2" Mesh .....	29.78
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0020	LF	30" Diameter Cement Coated Pipe 1" To 2" Mesh .....	37.22
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0021	LF	36" Diameter Cement Coated Pipe 1" To 2" Mesh .....	44.67
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0022	LF	42" Diameter Cement Coated Pipe 1" To 2" Mesh .....	52.11
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0023	LF	48" Diameter Cement Coated Pipe 1" To 2" Mesh .....	59.56
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0024	LF	54" Diameter Cement Coated Pipe 1" To 2" Mesh .....	67.00
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0025	LF	60" Diameter Cement Coated Pipe 1" To 2" Mesh .....	74.45
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0026	LF	66" Diameter Cement Coated Pipe 1" To 2" Mesh .....	81.89
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0027	LF	72" Diameter Cement Coated Pipe 1" To 2" Mesh .....	89.34
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0028	LF	78" Diameter Cement Coated Pipe 1" To 2" Mesh .....	96.78
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0029	LF	84" Diameter Cement Coated Pipe 1" To 2" Mesh .....	104.23
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0030	LF	90" Diameter Cement Coated Pipe 1" To 2" Mesh .....	111.67
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0031	LF	96" Diameter Cement Coated Pipe 1" To 2" Mesh .....	119.12
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0032	LF	102" Diameter Cement Coated Pipe 1" To 2" Mesh .....	126.56
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0033	LF	108" Diameter Cement Coated Pipe 1" To 2" Mesh .....	134.01
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0034	LF	114" Diameter Cement Coated Pipe 1" To 2" Mesh .....	141.45
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0035	LF	120" Diameter Cement Coated Pipe 1" To 2" Mesh .....	148.89
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0036	LF	126" Diameter Cement Coated Pipe 1" To 2" Mesh .....	156.34
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0037	LF	132" Diameter Cement Coated Pipe 1" To 2" Mesh .....	163.78
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0038	LF	138" Diameter Cement Coated Pipe 1" To 2" Mesh .....	171.23
		Note: Reinforcing applied at fabrication shop.	
33 14 13 43-0039	LF	144" Diameter Cement Coated Pipe 1" To 2" Mesh .....	178.67
		Note: Reinforcing applied at fabrication shop.	

33 14 13 43-0040 Epoxy Wrap And Fitting Coating (33 14 13 43-0001)

Note: Applied at fabrication shop.

33 14 13 43-0041	EA	4" Outside Diameter, Epoxy Wrap And Fitting Coating .....	13.42
		For 1/2" Thick, Add	0.61
33 14 13 43-0042	EA	6" Outside Diameter, Epoxy Wrap And Fitting Coating .....	17.02
		For 1/2" Thick, Add	0.82
33 14 13 43-0043	EA	8" Outside Diameter, Epoxy Wrap And Fitting Coating .....	24.73
		For 1/2" Thick, Add	1.06
33 14 13 43-0044	EA	10" Outside Diameter, Epoxy Wrap And Fitting Coating .....	41.43
		For 1/2" Thick, Add	1.56

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 43-0045	EA		12" Outside Diameter, Epoxy Wrap And Fitting Coating.....	63.24	
			<i>For 1/2" Thick, Add</i>	2.30	
33 14 13 43-0046	EA		14" Outside Diameter, Epoxy Wrap And Fitting Coating.....	99.07	
			<i>For 1/2" Thick, Add</i>	3.52	
33 14 13 43-0047	EA		16" Outside Diameter, Epoxy Wrap And Fitting Coating.....	152.02	
			<i>For 1/2" Thick, Add</i>	4.53	
33 14 13 43-0048	EA		18" Outside Diameter, Epoxy Wrap And Fitting Coating.....	205.99	
			<i>For 1/2" Thick, Add</i>	4.67	
33 14 13 43-0049	EA		20" Outside Diameter, Epoxy Wrap And Fitting Coating.....	280.69	
			<i>For 1/2" Thick, Add</i>	5.59	
33 14 13 43-0050	EA		24" Outside Diameter, Epoxy Wrap And Fitting Coating.....	408.18	
			<i>For 1/2" Thick, Add</i>	7.82	

**33 14 13 43-0051 Cement Pipe Lining** (33 14 13 43)**33 14 13 43-0052 Cement Pipe Lining** (33 14 13 43-0051)

Note: Shop applied.

33 14 13 43-0053	LF		4" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	15.48	
			<i>For 1/2" Thick, Add</i>	1.03	
33 14 13 43-0054	LF		6" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	19.24	
			<i>For 1/2" Thick, Add</i>	1.26	
33 14 13 43-0055	LF		8" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	23.41	
			<i>For 1/2" Thick, Add</i>	1.58	
33 14 13 43-0056	LF		10" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	30.55	
			<i>For 1/2" Thick, Add</i>	1.97	
33 14 13 43-0057	LF		12" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	37.73	
			<i>For 1/2" Thick, Add</i>	2.37	
33 14 13 43-0058	LF		14" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	48.80	
			<i>For 1/2" Thick, Add</i>	2.78	
33 14 13 43-0059	LF		16" Outside Diameter, 1/4" Thick Cement Pipe Lining.....	64.28	
			<i>For 1/2" Thick, Add</i>	3.15	
33 14 13 43-0060	LF		18" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	77.29	
			<i>For 1/2" Thick, Add</i>	3.02	
33 14 13 43-0061	LF		20" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	94.16	
			<i>For 1/2" Thick, Add</i>	3.36	
33 14 13 43-0062	LF		24" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	114.27	
			<i>For 1/2" Thick, Add</i>	4.03	
33 14 13 43-0063	LF		30" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	137.02	
			<i>For 1/2" Thick, Add</i>	5.04	
33 14 13 43-0064	LF		36" Outside Diameter, 5/16" Thick Cement Pipe Lining.....	164.94	
			<i>For 1/2" Thick, Add</i>	6.05	
33 14 13 43-0065	LF		42" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	192.47	
			<i>For 1/2" Thick, Add</i>	5.19	
33 14 13 43-0066	LF		48" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	219.88	
			<i>For 1/2" Thick, Add</i>	5.93	
33 14 13 43-0067	LF		54" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	247.40	
			<i>For 1/2" Thick, Add</i>	6.67	
33 14 13 43-0068	LF		60" Outside Diameter, 3/8" Thick Cement Pipe Lining.....	274.94	
			<i>For 1/2" Thick, Add</i>	7.41	
33 14 13 43-0069	LF		66" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	302.35	
			<i>For 1/2" Thick, Add</i>	4.35	
33 14 13 43-0070	LF		72" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	329.88	
			<i>For 1/2" Thick, Add</i>	4.75	
33 14 13 43-0071	LF		78" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	357.41	
			<i>For 1/2" Thick, Add</i>	5.14	
33 14 13 43-0072	LF		84" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	384.81	
			<i>For 1/2" Thick, Add</i>	5.54	
33 14 13 43-0073	LF		90" Outside Diameter, 7/16" Thick Cement Pipe Lining.....	412.34	
			<i>For 1/2" Thick, Add</i>	5.93	
33 14 13 43-0074	LF		96" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	439.88	
33 14 13 43-0075	LF		102" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	467.28	
33 14 13 43-0076	LF		108" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	494.80	
33 14 13 43-0077	LF		114" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	522.35	
33 14 13 43-0078	LF		120" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	549.75	
33 14 13 43-0079	LF		126" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	577.28	
33 14 13 43-0080	LF		132" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	604.81	
33 14 13 43-0081	LF		138" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	632.22	
33 14 13 43-0082	LF		144" Outside Diameter, 1/2" Thick Cement Pipe Lining.....	659.74	

**33 14 13 43-0083 Cement Fitting Lining** (33 14 13 43-0051)

Note: Shop applied.

33 14 13 43-0084	EA		4" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	16.27	
			<i>For 1/2" Thick, Add</i>	1.18	
33 14 13 43-0085	EA		6" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	20.82	
			<i>For 1/2" Thick, Add</i>	1.58	
33 14 13 43-0086	EA		8" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	29.67	
			<i>For 1/2" Thick, Add</i>	2.05	
33 14 13 43-0087	EA		10" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	49.41	
			<i>For 1/2" Thick, Add</i>	3.16	
33 14 13 43-0088	EA		12" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	75.47	
			<i>For 1/2" Thick, Add</i>	4.75	
33 14 13 43-0089	EA		14" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	113.42	
			<i>For 1/2" Thick, Add</i>	6.39	
33 14 13 43-0090	EA		16" Outside Diameter, 1/4" Thick Cement Fitting Lining.....	170.36	
			<i>For 1/2" Thick, Add</i>	8.20	



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 43-0091	EA	18" Outside Diameter, 5/16" Thick Cement Fittings Lining For 1/2" Thick, Add	231.88	9.07
33 14 13 43-0092	EA	20" Outside Diameter, 5/16" Thick Cement Fitting Lining For 1/2" Thick, Add	313.69	11.20
33 14 13 43-0093	EA	24" Outside Diameter, 5/16" Thick Cement Fitting Lining For 1/2" Thick, Add	457.07	16.13

**33 14 13 43-0094 8 Mil Polyethylene Encasement Tubing (33 14 13 43)**  
 Note: ANSI/AWWA C105/A21.5-99 section 4.2.

33 14 13 43-0095	LF	3" To 8" Diameter, 8 Mil Polyethylene Encasement Tubing	1.77	
33 14 13 43-0096	LF	10" To 12" Diameter, 8 Mil Polyethylene Encasement Tubing	2.89	
33 14 13 43-0097	LF	14" To 16" Diameter, 8 Mil Polyethylene Encasement Tubing	3.53	
33 14 13 43-0098	LF	18" To 20" Diameter, 8 Mil Polyethylene Encasement Tubing	4.44	
33 14 13 43-0099	LF	24" Diameter, 8 Mil Polyethylene Encasement Tubing	6.08	
33 14 13 43-0100	LF	30" Diameter, 8 Mil Polyethylene Encasement Tubing	7.81	
33 14 13 43-0101	LF	36" To 42" Diameter, 8 Mil Polyethylene Encasement Tubing	9.94	
33 14 13 43-0102	LF	48" Diameter, 8 Mil Polyethylene Encasement Tubing	11.85	
33 14 13 43-0103	LF	54" Diameter, 8 Mil Polyethylene Encasement Tubing	14.04	
33 14 13 43-0104	LF	60" Diameter, 8 Mil Polyethylene Encasement Tubing	15.27	

**33 14 13 53 Public Water Utility Distribution Piping Saddles And Adapters (33 14 13)**

**33 14 13 53-0001 Double Stud Stainless Steel Service Saddles (33 14 13 53)**  
 Note: 1/2" listed taps are compression, 3/4" to 2" are either compression or NPT.

33 14 13 53-0002	EA	4" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	307.74	
33 14 13 53-0003	EA	4" Diameter x 1-1/4" Or 1-1/2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	416.10	
33 14 13 53-0004	EA	4" Diameter x 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	431.58	
33 14 13 53-0005	EA	6" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	362.38	
33 14 13 53-0006	EA	6" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	449.09	
33 14 13 53-0007	EA	8" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	379.79	
33 14 13 53-0008	EA	8" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	470.97	
33 14 13 53-0009	EA	10" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	424.13	
33 14 13 53-0010	EA	10" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	496.27	
33 14 13 53-0011	EA	12" Diameter x 1/2", 3/4" Or 1" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	443.25	
33 14 13 53-0012	EA	12" Diameter x 1-1/4", 1-1/2" Or 2" Tap Double Stud Stainless Steel Service Saddle (Smith-Blair 372)	507.62	

**33 14 13 53-0013 Double Bale Epoxy Coated Ductile Iron Body Service Saddles (33 14 13 53)**  
 Note: Electro-galvanized steel bales. 5/8" listed taps are compression. 3/4" to 2" are either compression or NPT. 2-1/2", 3" or 4" are NPT.

33 14 13 53-0014	EA	1-1/4" To 1-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	269.00	
33 14 13 53-0015	EA	2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	269.15	
33 14 13 53-0016	EA	2" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	286.49	
33 14 13 53-0017	EA	2-1/2" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	272.76	
33 14 13 53-0018	EA	3" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	291.65	
33 14 13 53-0019	EA	3" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	320.12	
33 14 13 53-0020	EA	3" Diameter x 2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	340.18	
33 14 13 53-0021	EA	4" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	313.02	
33 14 13 53-0022	EA	4" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	341.71	
33 14 13 53-0023	EA	4" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	359.36	
33 14 13 53-0024	EA	5" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	330.50	
33 14 13 53-0025	EA	5" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	359.98	
33 14 13 53-0026	EA	5" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	377.58	
33 14 13 53-0027	EA	6" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	348.45	
33 14 13 53-0028	EA	6" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	377.20	
33 14 13 53-0029	EA	6" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	394.60	
33 14 13 53-0030	EA	6" Diameter x 3" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	546.23	
33 14 13 53-0031	EA	6" Diameter x 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	561.71	
33 14 13 53-0032	EA	8" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	375.28	
33 14 13 53-0033	EA	8" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	409.25	
33 14 13 53-0034	EA	8" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	425.66	
33 14 13 53-0035	EA	8" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	639.31	
33 14 13 53-0036	EA	10" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	415.13	
33 14 13 53-0037	EA	10" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	455.17	
33 14 13 53-0038	EA	10" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	707.37	
33 14 13 53-0039	EA	12" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	448.56	
33 14 13 53-0040	EA	12" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	490.69	
33 14 13 53-0041	EA	12" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	508.90	
33 14 13 53-0042	EA	12" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	782.60	
33 14 13 53-0043	EA	14" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	513.82	
33 14 13 53-0044	EA	14" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	547.62	
33 14 13 53-0045	EA	14" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	586.59	
33 14 13 53-0046	EA	14" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	943.87	
33 14 13 53-0047	EA	15" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	529.31	
33 14 13 53-0048	EA	15" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	594.21	
33 14 13 53-0049	EA	15" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	618.80	
33 14 13 53-0050	EA	15" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	1,010.74	
33 14 13 53-0051	EA	16" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	552.78	
33 14 13 53-0052	EA	16" Diameter x 1-1/4" To 1-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313)	619.94	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 53-0053	EA	16" Diameter x 2" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	645.08
33 14 13 53-0054	EA	16" Diameter x 3" To 4" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	1,051.31
33 14 13 53-0055	EA	18" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	605.79
33 14 13 53-0056	EA	18" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	692.94
33 14 13 53-0057	EA	20" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	680.83
33 14 13 53-0058	EA	20" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	750.43
33 14 13 53-0059	EA	24" Diameter x 5/8" To 1" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	710.32
33 14 13 53-0060	EA	24" Diameter x 1-1/4" To 2-1/2" Tap Double Bale Epoxy Coated Ductile Iron Body Service Saddle (Smith-Blair 313) .....	796.04

**33 14 13 53-0061 Double Bale Bronze Service Saddles (33 14 13 53)**

33 14 13 53-0062	EA	4" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	358.57
33 14 13 53-0063	EA	4" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	389.91
33 14 13 53-0064	EA	6" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	406.47
33 14 13 53-0065	EA	6" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	438.08
33 14 13 53-0066	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	448.69
33 14 13 53-0067	EA	8" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	471.49
33 14 13 53-0068	EA	8" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	440.76
33 14 13 53-0069	EA	10" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	467.58
33 14 13 53-0070	EA	12" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	542.24
33 14 13 53-0071	EA	12" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	583.49
33 14 13 53-0072	EA	14" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	778.82
33 14 13 53-0073	EA	14" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	872.57
33 14 13 53-0074	EA	16" Diameter x 3/4" To 1" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	899.36
33 14 13 53-0075	EA	16" Diameter x 1-1/4" To 2" Tap Double Bale Bronze Service Saddle (Mueller BR2B) .....	996.91

**33 14 13 53-0076 Stainless Steel Double Straps, Bronze Body Service Saddle (33 14 13 53)**

Note: Taps are compression or NPT.

33 14 13 53-0077	EA	4" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	373.64
33 14 13 53-0078	EA	4" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	408.93
33 14 13 53-0079	EA	6" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	424.27
33 14 13 53-0080	EA	6" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	458.41
33 14 13 53-0081	EA	8" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	470.69
33 14 13 53-0082	EA	8" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	494.67
33 14 13 53-0083	EA	10" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	524.63
33 14 13 53-0084	EA	10" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	559.73
33 14 13 53-0085	EA	12" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	562.40
33 14 13 53-0086	EA	12" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	606.25
33 14 13 53-0087	EA	14" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	828.78
33 14 13 53-0088	EA	14" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	943.22
33 14 13 53-0089	EA	16" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	958.66
33 14 13 53-0090	EA	16" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,039.93
33 14 13 53-0091	EA	18" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,999.56
33 14 13 53-0092	EA	18" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	1,999.56
33 14 13 53-0093	EA	20" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	2,077.85
33 14 13 53-0094	EA	20" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	2,077.85
33 14 13 53-0095	EA	24" Diameter x 3/4" To 1" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	2,229.84
33 14 13 53-0096	EA	24" Diameter x 1-1/4" To 2" Tap Stainless Steel Double Straps, Bronze Body Service Saddle (Mueller BR2S) .....	2,229.84

**33 14 13 53-0097 Ductile Iron Mechanical Joint Tapping Sleeve (33 14 13 53)**

33 14 13 53-0098	EA	4" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,582.05
33 14 13 53-0099	EA	6" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	1,914.59
33 14 13 53-0100	EA	8" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	2,280.24
33 14 13 53-0101	EA	8" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	2,404.74
33 14 13 53-0102	EA	10" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,544.21
33 14 13 53-0103	EA	10" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,715.54
33 14 13 53-0104	EA	10" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,793.19
33 14 13 53-0105	EA	12" Diameter x 4" Or 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,776.50
33 14 13 53-0106	EA	12" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	3,947.17
33 14 13 53-0107	EA	12" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	4,352.57
33 14 13 53-0108	EA	12" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	4,460.91
33 14 13 53-0109	EA	14" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,247.03
33 14 13 53-0110	EA	14" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,438.93
33 14 13 53-0111	EA	14" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,529.24
33 14 13 53-0112	EA	14" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,572.22
33 14 13 53-0113	EA	14" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,848.62
33 14 13 53-0114	EA	16" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,847.85
33 14 13 53-0115	EA	16" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	7,878.84
33 14 13 53-0116	EA	16" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	8,092.43
33 14 13 53-0117	EA	16" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	8,148.37
33 14 13 53-0118	EA	16" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	8,209.20
33 14 13 53-0119	EA	16" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	12,350.18
33 14 13 53-0120	EA	16" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	8,615.42
33 14 13 53-0121	EA	18" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,816.84
33 14 13 53-0122	EA	18" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,289.96
33 14 13 53-0123	EA	18" Diameter x 8", 10", 12" Or 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,443.09
33 14 13 53-0124	EA	18" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	11,883.93
33 14 13 53-0125	EA	20" Diameter x 4" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,226.53
33 14 13 53-0126	EA	20" Diameter x 6" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	9,879.95
33 14 13 53-0127	EA	20" Diameter x 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615) .....	10,064.92

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 13 53-0128	EA	20" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,141.59	
33 14 13 53-0129	EA	20" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	10,494.53	
33 14 13 53-0130	EA	20" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	13,990.06	
33 14 13 53-0131	EA	20" Diameter x 16", 18" Or 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	14,278.76	
33 14 13 53-0132	EA	24" Diameter x 4", 6" Or 8" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,312.36	
33 14 13 53-0133	EA	24" Diameter x 10" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,487.63	
33 14 13 53-0134	EA	24" Diameter x 12" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	12,540.98	
33 14 13 53-0135	EA	24" Diameter x 14" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,121.00	
33 14 13 53-0136	EA	24" Diameter x 16" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,346.90	
33 14 13 53-0137	EA	24" Diameter x 18" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,408.84	
33 14 13 53-0138	EA	24" Diameter x 20" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	17,880.65	
33 14 13 53-0139	EA	24" Diameter x 24" Tap Ductile Iron Mechanical Joint Tapping Sleeve (Mueller H-615)	18,112.45	

**33 14 13 53-0140 Carbon Steel Epoxy Coated Flange, Stainless Steel Tapping Sleeve (33 14 13 53)**

33 14 13 53-0141	EA	4" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,301.03	
33 14 13 53-0142	EA	6" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,398.54	
33 14 13 53-0143	EA	6" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,520.32	
33 14 13 53-0144	EA	8" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,578.08	
33 14 13 53-0145	EA	8" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,642.33	
33 14 13 53-0146	EA	8" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,863.67	
33 14 13 53-0147	EA	10" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,730.29	
33 14 13 53-0148	EA	10" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,793.04	
33 14 13 53-0149	EA	10" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,988.45	
33 14 13 53-0150	EA	10" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,665.13	
33 14 13 53-0151	EA	12" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	1,956.58	
33 14 13 53-0152	EA	12" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,045.32	
33 14 13 53-0153	EA	12" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,237.72	
33 14 13 53-0154	EA	12" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,844.66	
33 14 13 53-0155	EA	12" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,084.12	
33 14 13 53-0156	EA	14" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,529.66	
33 14 13 53-0157	EA	14" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,604.29	
33 14 13 53-0158	EA	14" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,009.11	
33 14 13 53-0159	EA	14" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,509.32	
33 14 13 53-0160	EA	14" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,837.06	
33 14 13 53-0161	EA	16" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	2,987.22	
33 14 13 53-0162	EA	16" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,064.03	
33 14 13 53-0163	EA	16" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,334.39	
33 14 13 53-0164	EA	16" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,046.80	
33 14 13 53-0165	EA	16" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,220.55	
33 14 13 53-0166	EA	18" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,198.07	
33 14 13 53-0167	EA	18" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,331.51	
33 14 13 53-0168	EA	18" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,514.17	
33 14 13 53-0169	EA	18" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,351.23	
33 14 13 53-0170	EA	18" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,524.78	
33 14 13 53-0171	EA	20" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,831.63	
33 14 13 53-0172	EA	20" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	3,908.29	
33 14 13 53-0173	EA	20" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,309.42	
33 14 13 53-0174	EA	20" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,982.86	
33 14 13 53-0175	EA	20" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,272.66	
33 14 13 53-0176	EA	24" Diameter x 4" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,151.55	
33 14 13 53-0177	EA	24" Diameter x 6" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,311.18	
33 14 13 53-0178	EA	24" Diameter x 8" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	4,524.25	
33 14 13 53-0179	EA	24" Diameter x 10" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,477.14	
33 14 13 53-0180	EA	24" Diameter x 12" Epoxy Coated Carbon Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 662)	5,657.80	

**33 14 13 53-0181 Stainless Steel Flange, Stainless Steel Tapping Sleeve (33 14 13 53)**

33 14 13 53-0182	EA	4" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,482.08	
33 14 13 53-0183	EA	6" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,627.21	
33 14 13 53-0184	EA	6" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,719.58	
33 14 13 53-0185	EA	8" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,769.36	
33 14 13 53-0186	EA	8" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	1,874.69	
33 14 13 53-0187	EA	8" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,175.39	
33 14 13 53-0188	EA	10" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,026.42	
33 14 13 53-0189	EA	10" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,142.46	
33 14 13 53-0190	EA	10" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,412.70	
33 14 13 53-0191	EA	10" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,188.16	
33 14 13 53-0192	EA	12" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,320.12	
33 14 13 53-0193	EA	12" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,475.74	
33 14 13 53-0194	EA	12" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,830.48	
33 14 13 53-0195	EA	12" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,290.55	
33 14 13 53-0196	EA	12" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,643.93	
33 14 13 53-0197	EA	14" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,649.44	
33 14 13 53-0198	EA	14" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	2,838.75	
33 14 13 53-0199	EA	14" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,237.31	
33 14 13 53-0200	EA	14" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,697.81	
33 14 13 53-0201	EA	14" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,944.68	
33 14 13 53-0202	EA	16" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,204.80	
33 14 13 53-0203	EA	16" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,461.01	
33 14 13 53-0204	EA	16" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,657.91	
33 14 13 53-0205	EA	16" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,152.52	
33 14 13 53-0206	EA	16" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,490.32	
33 14 13 53-0207	EA	18" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,549.26	
33 14 13 53-0208	EA	18" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,928.72	

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 14 13 53-0209	EA	18" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,133.93	
33 14 13 53-0210	EA	18" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,669.41	
33 14 13 53-0211	EA	18" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,143.30	
33 14 13 53-0212	EA	20" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	3,852.37	
33 14 13 53-0213	EA	20" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,230.87	
33 14 13 53-0214	EA	20" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,398.90	
33 14 13 53-0215	EA	20" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,203.25	
33 14 13 53-0216	EA	20" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,654.07	
33 14 13 53-0217	EA	24" Diameter x 4" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,534.56	
33 14 13 53-0218	EA	24" Diameter x 6" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,594.45	
33 14 13 53-0219	EA	24" Diameter x 8" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	4,794.55	
33 14 13 53-0220	EA	24" Diameter x 10" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	5,753.30	
33 14 13 53-0221	EA	24" Diameter x 12" Stainless Steel Flange, Stainless Steel Tapping Sleeve (Smith-Blair 663)	6,268.30	

**33 14 13 53-0222 Ductile Iron Body, Flanged Coupling Adapter** (33 14 13 53)

33 14 13 53-0223	EA	3" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	370.87	80.80
33 14 13 53-0224	EA	4" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	465.00	101.87
33 14 13 53-0225	EA	6" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	614.69	140.52
33 14 13 53-0226	EA	8" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	788.18	165.11
33 14 13 53-0227	EA	10" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,201.44	186.18
33 14 13 53-0228	EA	12" Ductile Iron Body, Flanged Coupling Adapter (Smith-Blair 912)	1,343.57	210.77

**33 14 13 53-0229 Steel Body, Flanged Coupling Adapter** (33 14 13 53)

33 14 13 53-0230	EA	3" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	522.73	80.80
33 14 13 53-0231	EA	4" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	621.26	101.87
33 14 13 53-0232	EA	6" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	831.75	140.52
33 14 13 53-0233	EA	8" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,014.09	165.11
33 14 13 53-0234	EA	10" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,230.42	186.18
33 14 13 53-0235	EA	12" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,430.72	210.77
33 14 13 53-0236	EA	14" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,690.57	231.85
33 14 13 53-0237	EA	16" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	1,991.46	252.93
33 14 13 53-0238	EA	18" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,341.67	278.22
33 14 13 53-0239	EA	20" Steel Body, Flanged Coupling Adapter (Smith-Blair 913)	2,755.90	306.04

**33 14 13 53-0240 Steel Body, Flanged-Lock Restrained Coupling Adapters** (33 14 13 53)

33 14 13 53-0241	EA	4" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	475.16	101.87
33 14 13 53-0242	EA	6" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	639.76	140.52
33 14 13 53-0243	EA	8" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	713.16	165.11
33 14 13 53-0244	EA	10" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,013.88	186.18
33 14 13 53-0245	EA	12" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,278.18	210.77
33 14 13 53-0246	EA	14" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,431.34	231.85
33 14 13 53-0247	EA	16" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,672.74	252.93
33 14 13 53-0248	EA	18" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	1,874.39	278.22
33 14 13 53-0249	EA	20" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,238.50	306.04
33 14 13 53-0250	EA	24" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	2,680.51	336.68
33 14 13 53-0251	EA	30" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	5,417.83	370.26
33 14 13 53-0252	EA	36" Steel Body, Flanged-Lock Restrained Coupling Adapter (Smith-Blair 911)	7,265.80	407.35

**33 14 13 53-0253 Ductile Iron Body, Omni Coupling System** (33 14 13 53)

33 14 13 53-0254	EA	2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	177.50	56.21
33 14 13 53-0255	EA	2-1/2" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	217.66	66.75
33 14 13 53-0256	EA	3" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	268.54	80.80
33 14 13 53-0257	EA	4" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	337.44	101.87
33 14 13 53-0258	EA	6" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	452.50	140.52
33 14 13 53-0259	EA	8" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	546.96	165.11
33 14 13 53-0260	EA	10" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	673.30	186.18
33 14 13 53-0261	EA	12" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	783.91	210.77
33 14 13 53-0262	EA	14" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,069.89	231.85
33 14 13 53-0263	EA	16" Ductile Iron Body, Omni Coupling System (Smith-Blair 441)	1,316.53	252.93

**33 14 19 Valves and Hydrants for Water Utility Service** (33 14)

See CSI section 23 21 13 23-0713 for bolt and gasket sets.

**33 14 19 00-0001 Water Utility Distribution Valves** (33 14 19)**33 14 19 00-0002 Angle Valves** (33 14 19 00-0001)

Note: For connecting meters to water service.

**33 14 19 00-0003 Threaded, Class 150, Bronze Angle Valve** (33 14 19 00-0002)

Note: Nibco T-335Y

33 14 19 00-0004	EA	1/2" Threaded, Class 150, Bronze Angle Valve	112.61	24.26
33 14 19 00-0005	EA	3/4" Threaded, Class 150, Bronze Angle Valve	151.87	32.61
33 14 19 00-0006	EA	1" Threaded, Class 150, Bronze Angle Valve	202.15	40.18
33 14 19 00-0007	EA	1-1/4" Threaded, Class 150, Bronze Angle Valve	259.83	50.50
33 14 19 00-0008	EA	1-1/2" Threaded, Class 150, Bronze Angle Valve	321.89	58.38
33 14 19 00-0009	EA	2" Threaded, Class 150, Bronze Angle Valve	470.50	68.23
33 14 19 00-0010	EA	2-1/2" Threaded, Class 150, Bronze Angle Valve	744.31	93.14
33 14 19 00-0011	EA	3" Threaded, Class 150, Bronze Angle Valve	1,111.67	107.53

**33 14 19 00-0012 Butterfly Valves** (33 14 19 00-0001)



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 14 19 00-0013**

**Lug Type Flanged, Cast Iron Disc, Butterfly Valves (33 14 19 00-0012)**

Note: ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0014	EA		3" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) .....	2,238.60	257.78
33 14 19 00-0015	EA		3" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,3,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) .....	2,498.14	257.78
33 14 19 00-0016	EA		4" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) .....	2,542.50	398.98
33 14 19 00-0017	EA		4" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,4,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) .....	2,799.82	398.98
33 14 19 00-0018	EA		6" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) .....	2,939.40	486.43
33 14 19 00-0019	EA		6" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,6,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) .....	3,196.72	486.43
33 14 19 00-0020	EA		8" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) .....	3,336.43	621.54
33 14 19 00-0021	EA		8" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,8,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) .....	3,592.27	621.54
33 14 19 00-0022	EA		10" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) .....	4,180.07	756.66
33 14 19 00-0023	EA		10" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,10,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) .....	4,180.07	756.66
33 14 19 00-0024	EA		12" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD8 Modified) .....	4,796.25	917.15
33 14 19 00-0025	EA		12" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,12,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW8 Modified) .....	5,053.58	917.15
33 14 19 00-0026	EA		14" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD12 Modified) .....	6,408.56	1,264.09
33 14 19 00-0027	EA		14" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,14,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW12 Modified) .....	7,081.44	1,264.09
33 14 19 00-0028	EA		16" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD16 Modified) .....	7,449.44	1,390.50
33 14 19 00-0029	EA		16" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,16,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW20 Modified) .....	8,274.64	1,390.50
33 14 19 00-0030	EA		18" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified) .....	9,301.29	1,542.19
33 14 19 00-0031	EA		18" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,18,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified) .....	10,175.29	1,542.19
33 14 19 00-0032	EA		20" Handwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-HD24 Modified) .....	10,653.86	1,738.12
33 14 19 00-0033	EA		20" Chainwheel Operated, Flanged, ANSI Class 125, Cast Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Cast Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,20,F1,CI,NBRN-NBR,150B,CI-S2*GS-6B-CW24 Modified) .....	11,526.38	1,738.12

**33 14 19 00-0034**

**Lug Type Flanged, Ductile Iron Disc, Butterfly Valves (33 14 19 00-0012)**

Note: ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, 304 Stainless Steel Pin

33 14 19 00-0035	EA		24" Chainwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-CW20 Modified) .....	17,657.38	2,133.15
33 14 19 00-0036	EA		24" Cylinder Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12-PC10 Modified) .....	28,160.92	2,133.15
33 14 19 00-0037	EA		24" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,24,F1,DI,NBRN-NBR,150B,DI-S2*GS-12A-HD20 Modified) .....	17,605.47	2,133.15
33 14 19 00-0038	EA		30" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,30,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified) .....	28,917.78	3,392.70
33 14 19 00-0039	EA		36" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,36,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD24 Modified) .....	56,729.35	4,523.60
33 14 19 00-0040	EA		42" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,42,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR3L-HD32 Modified) .....	67,375.04	6,785.39
33 14 19 00-0041	EA		48" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,48,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR4L-HD24 Modified) .....	85,446.13	8,481.74



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0042	EA		54" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,54,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD24 Modified) .....	119,039.93	10,178.09
33 14 19 00-0043	EA		60" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,60,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified) .....	149,053.99	12,213.71
33 14 19 00-0044	EA		72" Handwheel Operated, Flanged, ANSI Class 125, Ductile Iron Body, Acrylonitrile-Butadiene Packing, Acrylonitrile-Butadiene Seat, Class AWWA C-504, Ductile Iron Disc, 304 Stainless Steel Pin, Butterfly Valve (DeZurik BAW,72,F1,DI,NBRN-NBR,150B,DI-S2*MG-WR6L-HD36 Modified) .....	213,285.82	14,656.45
33 14 19 00-0045	LF		3/16" Link, 316 Stainless Steel Chain For Use With Dezurik Chainwheel .....	19.40	
33 14 19 00-0046	EA		316 Stainless Steel Closing Link For Use With Dezurik Chainwheel .....	10.21	
Note: One required per valve.					
33 14 19 00-0047			<b>Check Valves</b> (33 14 19 00-0001)		
33 14 19 00-0048			<b>Flanged, Swing Type Gravity Operated Check Valves</b> (33 14 19 00-0047)		
Note: AWWA C508. Bronze disc facing. Mueller A-2600-6.					
33 14 19 00-0049	EA		2-1/2" Flanged, Swing Type Gravity Operated Check Valve .....	1,456.46	202.49
33 14 19 00-0050	EA		3" Flanged, Swing Type Gravity Operated Check Valve .....	1,499.68	237.40
33 14 19 00-0051	EA		4" Flanged, Swing Type Gravity Operated Check Valve .....	2,080.42	300.24
33 14 19 00-0052	EA		4" x 6" Flanged, Swing Type Gravity Operated Check Valve .....	2,887.26	451.76
33 14 19 00-0053	EA		4" x 8" Flanged, Swing Type Gravity Operated Check Valve .....	3,000.55	504.53
33 14 19 00-0054	EA		6" Flanged, Swing Type Gravity Operated Check Valve .....	2,861.78	502.72
33 14 19 00-0055	EA		6" x 8" Flanged, Swing Type Gravity Operated Check Valve .....	3,735.89	571.45
33 14 19 00-0056	EA		6" x 10" Flanged, Swing Type Gravity Operated Check Valve .....	3,900.78	642.37
33 14 19 00-0057	EA		8" Flanged, Swing Type Gravity Operated Check Valve .....	4,063.64	642.37
33 14 19 00-0058	EA		10" Flanged, Swing Type Gravity Operated Check Valve .....	6,837.08	782.02
33 14 19 00-0059	EA		12" Flanged, Swing Type Gravity Operated Check Valve .....	10,345.30	586.51
33 14 19 00-0060	EA		14" Flanged, Swing Type Gravity Operated Check Valve .....	14,553.35	1,264.09
33 14 19 00-0061	EA		16" Flanged, Swing Type Gravity Operated Check Valve .....	19,321.05	1,390.50
33 14 19 00-0062	EA		18" Flanged, Swing Type Gravity Operated Check Valve .....	27,970.01	1,542.19
33 14 19 00-0063	EA		20" Flanged, Swing Type Gravity Operated Check Valve .....	32,557.25	1,738.12
33 14 19 00-0064			<b>Threaded, Bronze, Swing Type Check Valves</b> (33 14 19 00-0047)		
Note: Class 125. Watts WCV-2, Nibco T-413.					
33 14 19 00-0065	EA		1/4" Threaded, Bronze, Swing Type Check Valve .....	61.40	24.41
33 14 19 00-0066	EA		3/8" Threaded, Bronze, Swing Type Check Valve .....	63.71	24.41
33 14 19 00-0067	EA		1/2" Threaded, Bronze, Swing Type Check Valve .....	61.51	24.41
33 14 19 00-0068	EA		3/4" Threaded, Bronze, Swing Type Check Valve .....	82.01	32.98
33 14 19 00-0069	EA		1" Threaded, Bronze, Swing Type Check Valve .....	97.02	39.88
33 14 19 00-0070	EA		1-1/4" Threaded, Bronze, Swing Type Check Valve .....	132.87	50.50
33 14 19 00-0071	EA		1-1/2" Threaded, Bronze, Swing Type Check Valve .....	160.05	58.38
33 14 19 00-0072	EA		2" Threaded, Bronze, Swing Type Check Valve .....	204.90	68.23
33 14 19 00-0073	EA		2-1/2" Threaded, Bronze, Swing Type Check Valve .....	303.78	93.14
33 14 19 00-0074			<b>Combination Air Release Valves</b> (33 14 19 00-0001)		
33 14 19 00-0075	EA		1" Combination Air Release Valve .....	641.20	29.33
33 14 19 00-0076	EA		2" Combination Air Release Valve .....	1,036.32	50.27
33 14 19 00-0077			<b>Corporation Stop And Curb Valve</b> (33 14 19 00-0001)		
Note: AWWA C800					
33 14 19 00-0078			<b>Ball Corporation Valves</b> (33 14 19 00-0077)		
Note: Mueller B-25000.					
33 14 19 00-0079	EA		3/4" Ball Corporation Valve (Mueller B-25000) .....	95.60	29.33
33 14 19 00-0080	EA		1" Ball Corporation Valve (Mueller B-25000) .....	119.66	36.30
33 14 19 00-0081	EA		1-1/2" Ball Corporation Valve (Mueller B-25000) .....	206.31	53.06
33 14 19 00-0082	EA		2" Ball Corporation Valve (Mueller B-25000) .....	299.64	62.84
33 14 19 00-0083			<b>Gate Valve, AWWA C500 And C509</b> (33 14 19 00-0001)		
33 14 19 00-0084			<b>Gate Valve, Flanged</b> (33 14 19 00-0083)		
Note: Mueller A-2380-6.					
33 14 19 00-0085	EA		2" Gate Valve, Flanged .....	911.21	186.15
33 14 19 00-0086	EA		2-1/2" Gate Valve, Flanged .....	1,064.03	202.49
33 14 19 00-0087	EA		3" Gate Valve, Flanged .....	1,258.53	237.40
33 14 19 00-0088	EA		4" Gate Valve, Flanged .....	1,669.24	297.44
33 14 19 00-0089	EA		6" Gate Valve, Flanged .....	2,066.84	502.72
33 14 19 00-0090	EA		8" Gate Valve, Flanged .....	3,042.26	642.37
33 14 19 00-0091	EA		10" Gate Valve, Flanged .....	4,543.94	782.02
33 14 19 00-0092	EA		12" Gate Valve, Flanged .....	5,478.96	586.51
33 14 19 00-0093	EA		14" Gate Valve, Flanged .....	11,863.80	1,264.09
33 14 19 00-0094	EA		16" Gate Valve, Flanged .....	15,480.17	1,390.50
33 14 19 00-0095	EA		18" Gate Valve, Flanged .....	24,421.09	1,542.19
33 14 19 00-0096	EA		20" Gate Valve, Flanged .....	29,187.61	1,738.12
33 14 19 00-0097			<b>Resilient Wedge Gate Valve, Flanged</b> (33 14 19 00-0083)		
Note: Mueller A-2360-6.					
33 14 19 00-0098	EA		2" Resilient Wedge Gate Valve, Flanged .....	872.84	186.15
33 14 19 00-0099	EA		2-1/2" Resilient Wedge Gate Valve, Flanged .....	1,018.18	202.49
33 14 19 00-0100	EA		3" Resilient Wedge Gate Valve, Flanged .....	1,204.11	237.40

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 19 00-0101	EA		4" Resilient Wedge Gate Valve, Flanged.....	1,608.41	297.44
33 14 19 00-0102	EA		6" Resilient Wedge Gate Valve, Flanged.....	1,985.53	502.72
33 14 19 00-0103	EA		8" Resilient Wedge Gate Valve, Flanged.....	2,915.23	642.37
33 14 19 00-0104	EA		10" Resilient Wedge Gate Valve, Flanged.....	4,342.09	782.02
33 14 19 00-0105	EA		12" Resilient Wedge Gate Valve, Flanged.....	5,235.24	586.51
<b>33 14 19 00-0106</b>			<b>Gate Valve, Mechanical Joint (33 14 19 00-0083)</b>		
			Note: Mueller A-2380-20.		
33 14 19 00-0107	EA		2" Gate Valve, Mechanical Joint.....	1,071.50	148.73
33 14 19 00-0108	EA		2-1/2" Gate Valve, Mechanical Joint.....	1,167.38	186.42
33 14 19 00-0109	EA		3" Gate Valve, Mechanical Joint.....	1,464.53	225.53
33 14 19 00-0110	EA		4" Gate Valve, Mechanical Joint.....	1,754.16	297.44
33 14 19 00-0111	EA		6" Gate Valve, Mechanical Joint.....	2,198.84	349.12
33 14 19 00-0112	EA		8" Gate Valve, Mechanical Joint.....	3,172.41	418.93
33 14 19 00-0113	EA		10" Gate Valve, Mechanical Joint.....	4,605.53	488.76
33 14 19 00-0114	EA		12" Gate Valve, Mechanical Joint.....	5,758.68	586.51
33 14 19 00-0115	EA		14" Gate Valve, Mechanical Joint.....	12,595.10	774.26
33 14 19 00-0116	EA		16" Gate Valve, Mechanical Joint.....	16,261.71	869.06
33 14 19 00-0117	EA		18" Gate Valve, Mechanical Joint.....	25,819.99	963.87
33 14 19 00-0118	EA		20" Gate Valve, Mechanical Joint.....	30,698.05	1,086.32
<b>33 14 19 00-0119</b>			<b>Resilient Wedge Gate Valve, Mechanical Joint (33 14 19 00-0083)</b>		
			Note: Mueller A-2360-20.		
33 14 19 00-0120	EA		2" Resilient Wedge Gate Valve, Mechanical Joint.....	1,027.68	148.73
33 14 19 00-0121	EA		3" Resilient Wedge Gate Valve, Mechanical Joint.....	1,407.16	225.53
33 14 19 00-0122	EA		4" Resilient Wedge Gate Valve, Mechanical Joint.....	1,688.54	297.44
33 14 19 00-0123	EA		6" Resilient Wedge Gate Valve, Mechanical Joint.....	2,113.91	349.12
33 14 19 00-0124	EA		8" Resilient Wedge Gate Valve, Mechanical Joint.....	3,040.29	418.93
33 14 19 00-0125	EA		10" Resilient Wedge Gate Valve, Mechanical Joint.....	4,400.19	488.76
33 14 19 00-0126	EA		12" Resilient Wedge Gate Valve, Mechanical Joint.....	5,499.07	586.51
<b>33 14 19 00-0127</b>			<b>Resilient Wedge Gate Valve, Mechanical Joint X Flange Joint (33 14 19 00-0083)</b>		
			Note: Mueller A-2361.		
33 14 19 00-0128	EA		14" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	8,569.73	1,264.09
33 14 19 00-0129	EA		16" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	9,321.40	1,390.50
33 14 19 00-0130	EA		18" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	14,338.22	1,542.19
33 14 19 00-0131	EA		20" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	17,081.34	1,738.12
33 14 19 00-0132	EA		24" Resilient Wedge Gate Valve, Mechanical Joint X Flanged Joint.....	24,156.44	2,133.15
<b>33 14 19 00-0133</b>			<b>Gate Valve, Threaded, WW-V-51 Class A, Type 1 (33 14 19 00-0083)</b>		
			Note: NIBCO T-113.		
33 14 19 00-0134	EA		1/4" Gate Valve, Bronze, Threaded.....	69.84	24.41
33 14 19 00-0135	EA		3/8" Gate Valve, Bronze, Threaded.....	72.15	24.41
33 14 19 00-0136	EA		1/2" Gate Valve, Bronze, Threaded.....	72.16	24.41
33 14 19 00-0137	EA		3/4" Gate Valve, Bronze, Threaded.....	93.64	32.98
33 14 19 00-0138	EA		1" Gate Valve, Bronze, Threaded.....	115.10	39.88
33 14 19 00-0139	EA		1-1/4" Gate Valve, Bronze, Threaded.....	154.68	50.50
33 14 19 00-0140	EA		1-1/2" Gate Valve, Bronze, Threaded.....	179.33	58.38
33 14 19 00-0141	EA		2" Gate Valve, Bronze, Threaded.....	216.71	68.23
33 14 19 00-0142	EA		2-1/2" Gate Valve, Bronze, Threaded.....	398.52	93.14
33 14 19 00-0143	EA		3" Gate Valve, Bronze, Threaded.....	475.70	106.83
<b>33 14 19 00-0144</b>			<b>Globe Valve, AWWA (33 14 19 00-0001)</b>		
<b>33 14 19 00-0145</b>			<b>Globe Valve, Threaded, WW-V-51 Class B, Type 1 (33 14 19 00-0144)</b>		
			Note: NIBCO T-235.		
33 14 19 00-0146	EA		1/8" Globe Valve, Threaded.....	95.53	24.41
33 14 19 00-0147	EA		1/4" Globe Valve, Threaded.....	90.87	24.41
33 14 19 00-0148	EA		3/8" Globe Valve, Threaded.....	93.18	24.41
33 14 19 00-0149	EA		1/2" Globe Valve, Threaded.....	95.53	24.41
33 14 19 00-0150	EA		3/4" Globe Valve, Threaded.....	129.66	32.98
33 14 19 00-0151	EA		1" Globe Valve, Threaded.....	178.84	39.88
33 14 19 00-0152	EA		1-1/4" Globe Valve, Threaded.....	257.71	50.50
33 14 19 00-0153	EA		1-1/2" Globe Valve, Threaded.....	306.68	58.38
33 14 19 00-0154	EA		2" Globe Valve, Threaded.....	421.59	68.23
33 14 19 00-0155	EA		2-1/2" Globe Valve, Threaded.....	758.42	93.14
33 14 19 00-0156	EA		3" Globe Valve, Threaded.....	1,028.69	107.39
<b>33 14 19 00-0157</b>			<b>Tapping Valve, AWWA C500 And C509 (33 14 19 00-0001)</b>		
<b>33 14 19 00-0158</b>			<b>Tapping Valve, AWWA C500 And C509 (33 14 19 00-0157)</b>		
			Note: Flanged inlet X mechanical joint, Mueller H-667.		
33 14 19 00-0159	EA		2" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,277.00	186.15
33 14 19 00-0160	EA		3" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	1,645.04	237.40
33 14 19 00-0161	EA		4" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,042.59	297.44
33 14 19 00-0162	EA		6" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	2,637.37	502.72
33 14 19 00-0163	EA		8" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	3,773.95	642.37
33 14 19 00-0164	EA		10" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	5,433.13	782.02
33 14 19 00-0165	EA		12" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	7,982.74	586.51
33 14 19 00-0166	EA		14" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	14,439.19	1,264.09

**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 14 19 00-0167	EA		16" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	18,207.29	1,390.50
33 14 19 00-0168	EA		18" Resilient Wedge Tapping Gate Valve, Mechanical Joint X Flanged Joint.....	29,256.73	1,542.19

**33 14 19 00-0169 Accessories For Valves** (33 14 19)

33 14 19 00-0170	EA		1' Valve Extension Stem.....	124.83	
			<i>For Each Additional LF, Add</i>	9.48	
33 14 19 00-0171	EA		Up to 80" Long Indicator Post Telescoping Barrel Assembly.....	1,742.18	139.64
			Note: Excludes valve.		
33 14 19 00-0172	EA		>80" To 114" Long Indicator Post Telescoping Barrel Assembly.....	1,974.39	153.61
			Note: Excludes valve.		

**33 14 19 00-0173 Fire Hydrants** (33 14 19)

Note: Breakaway type.

**33 14 19 00-0174 Three Way, Standard (Traditional) Model Fire Hydrant** (33 14 19 00-0173)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0175	EA		1-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,659.24	378.33
33 14 19 00-0176	EA		2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,725.75	378.33
33 14 19 00-0177	EA		2-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,792.43	378.33
33 14 19 00-0178	EA		3' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,885.81	405.35
33 14 19 00-0179	EA		3-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,952.39	405.35
33 14 19 00-0180	EA		4' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,052.82	439.14
33 14 19 00-0181	EA		4-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,119.29	439.14
33 14 19 00-0182	EA		5' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,219.72	472.91
33 14 19 00-0183	EA		5-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,286.29	472.91
33 14 19 00-0184	EA		6' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,386.54	506.69
33 14 19 00-0185	EA		6-1/2' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,486.87	540.47
33 14 19 00-0186	EA		7' Burial Section, 4-1/2" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,620.88	608.03
33 14 19 00-0187	EA		1-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,719.94	378.33
33 14 19 00-0188	EA		2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,806.25	378.33
33 14 19 00-0189	EA		2-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	3,892.35	378.33
33 14 19 00-0190	EA		3' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,005.47	405.35
33 14 19 00-0191	EA		3-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,091.57	405.35
33 14 19 00-0192	EA		4' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,211.78	439.14
33 14 19 00-0193	EA		4-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,297.77	439.14
33 14 19 00-0194	EA		5' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,417.73	472.91
33 14 19 00-0195	EA		5-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,503.81	472.91
33 14 19 00-0196	EA		6' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,623.54	506.69
33 14 19 00-0197	EA		6-1/2' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,743.63	540.47
33 14 19 00-0198	EA		7' Burial Section, 5-1/4" Valve, Three Way, Standard Type (Traditional) Fire Hydrant.....	4,897.14	608.03

**33 14 19 00-0199 Two Way, Standard (Traditional) Model Fire Hydrant** (33 14 19 00-0173)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0200	EA		1-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,294.16	378.33
33 14 19 00-0201	EA		2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,360.44	378.33
33 14 19 00-0202	EA		2-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,427.10	378.33
33 14 19 00-0203	EA		3' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,520.76	405.35
33 14 19 00-0204	EA		3-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,587.12	405.35
33 14 19 00-0205	EA		4' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,687.40	439.14
33 14 19 00-0206	EA		4-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,753.97	439.14
33 14 19 00-0207	EA		5' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,854.46	472.91
33 14 19 00-0208	EA		5-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,920.89	472.91
33 14 19 00-0209	EA		6' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,021.50	506.69
33 14 19 00-0210	EA		6-1/2' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,121.41	540.47
33 14 19 00-0211	EA		7' Burial Section, 4-1/2" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,255.56	608.03
33 14 19 00-0212	EA		1-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,387.92	378.33
33 14 19 00-0213	EA		2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,474.04	378.33
33 14 19 00-0214	EA		2-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,560.03	378.33
33 14 19 00-0215	EA		3' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,673.37	405.35
33 14 19 00-0216	EA		3-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,759.25	405.35
33 14 19 00-0217	EA		4' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,879.31	439.14
33 14 19 00-0218	EA		4-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	3,965.24	439.14
33 14 19 00-0219	EA		5' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,085.48	472.91
33 14 19 00-0220	EA		5-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,171.36	472.91
33 14 19 00-0221	EA		6' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,291.39	506.69
33 14 19 00-0222	EA		6-1/2' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,411.06	540.47
33 14 19 00-0223	EA		7' Burial Section, 5-1/4" Valve, Two Way, Standard Type (Traditional) Fire Hydrant.....	4,565.04	608.03

**33 14 19 00-0224 Three Way, Modern Model Fire Hydrant** (33 14 19 00-0173)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0225	EA		1-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,814.46	378.33
33 14 19 00-0226	EA		2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,900.45	378.33
33 14 19 00-0227	EA		2-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	3,986.70	378.33
33 14 19 00-0228	EA		3' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,099.87	405.35
33 14 19 00-0229	EA		3-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,185.92	405.35
33 14 19 00-0230	EA		4' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,305.81	439.14
33 14 19 00-0231	EA		4-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,391.98	439.14
33 14 19 00-0232	EA		5' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,511.87	472.91
33 14 19 00-0233	EA		5-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,597.95	472.91
33 14 19 00-0234	EA		6' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,717.83	472.91
33 14 19 00-0235	EA		6-1/2' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,837.97	540.47
33 14 19 00-0236	EA		7' Burial Section, Three Way, Modern Type Fire Hydrant.....	4,990.58	540.47

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**33 14 19 00-0237**

**Two Way, Modern Model Fire Hydrant** (33 14 19 00-0173)

Note: Mechanical joint shoe. Includes shoe, lower barrel and upper barrel (hydrant).

33 14 19 00-0238	EA		1-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,736.20	378.33
33 14 19 00-0239	EA		2' Burial Section, Two Way, Modern Type Fire Hydrant	2,801.64	378.33
33 14 19 00-0240	EA		2-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	2,867.81	378.33
33 14 19 00-0241	EA		3' Burial Section, Two Way, Modern Type Fire Hydrant	2,959.50	405.35
33 14 19 00-0242	EA		3-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,024.92	405.35
33 14 19 00-0243	EA		4' Burial Section, Two Way, Modern Type Fire Hydrant	3,124.13	439.14
33 14 19 00-0244	EA		4-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,189.53	439.14
33 14 19 00-0245	EA		5' Burial Section, Two Way, Modern Type Fire Hydrant	3,288.80	472.91
33 14 19 00-0246	EA		5-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,354.03	472.91
33 14 19 00-0247	EA		6' Burial Section, Two Way, Modern Type Fire Hydrant	3,453.25	506.69
33 14 19 00-0248	EA		6-1/2' Burial Section, Two Way, Modern Type Fire Hydrant	3,552.54	540.47
33 14 19 00-0249	EA		7' Burial Section, Two Way, Modern Type Fire Hydrant	3,684.71	608.03

**33 14 19 00-0250**

**Fire Hydrant Extension Kits** (33 14 19 00-0173)

33 14 19 00-0251	EA		6" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	582.32	33.78
33 14 19 00-0252	EA		12" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	693.65	42.22
33 14 19 00-0253	EA		18" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	760.45	50.67
33 14 19 00-0254	EA		24" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	868.47	62.49
33 14 19 00-0255	EA		30" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,286.82	65.04
33 14 19 00-0256	EA		36" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,372.81	67.56
33 14 19 00-0257	EA		42" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,395.67	70.94
33 14 19 00-0258	EA		48" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,475.03	76.00
33 14 19 00-0259	EA		54" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,632.38	91.20
33 14 19 00-0260	EA		60" Long, 4-1/2" Diameter, Fire Hydrant Extension Kit	1,734.00	109.78
33 14 19 00-0261	EA		6" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	647.44	37.83
33 14 19 00-0262	EA		12" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	768.86	45.94
33 14 19 00-0263	EA		18" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	884.15	55.40
33 14 19 00-0264	EA		24" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	993.95	68.91
33 14 19 00-0265	EA		30" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,341.89	71.61
33 14 19 00-0266	EA		36" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,429.09	74.31
33 14 19 00-0267	EA		42" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,490.68	78.37
33 14 19 00-0268	EA		48" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,737.32	83.77
33 14 19 00-0269	EA		54" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	1,911.13	99.98
33 14 19 00-0270	EA		60" Long, 5-1/4" Diameter, Fire Hydrant Extension Kit	2,021.14	120.25

**33 14 19 00-0271**

**Removal And Reinstallation Of Standard Fire Hydrant** (33 14 19 00-0173)

Note: Includes all necessary fittings for resetting, storage and cleaning. Excludes excavation, backfill and thrust blocking around fire hydrant.

33 14 19 00-0272	EA		Up To 5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,080.94	
33 14 19 00-0273	EA		>5' Burial Section, Removal And Reinstallation Of Fire Hydrant	1,576.38	
33 14 19 00-0274	EA		Reset Fire Hydrant Upper Barrel	1,479.62	

Note: Includes Safety Repair Kit

**33 14 19 00-0275**

**Yard Hydrants** (33 14 19)

Note: With 3/4" hose thread outlet.

33 14 19 00-0276	EA		2' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	402.30	45.49
33 14 19 00-0277	EA		4' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	429.83	45.49
33 14 19 00-0278	EA		6' Bury Depth Yard Hydrant, 3/4" Galvanized Column And 3/4" Threaded Hose Outlet	457.35	45.49
33 14 19 00-0279	EA		2' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	382.06	57.62
33 14 19 00-0280	EA		4' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	398.48	57.62
33 14 19 00-0281	EA		6' Bury Depth Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	414.89	57.62

**33 14 19 00-0282**

**Sanitary Yard Hydrants** (33 14 19)

Note: With 3/4" hose thread outlet.

33 14 19 00-0283	EA		2' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,717.12	94.77
33 14 19 00-0284	EA		4' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,803.14	94.77
33 14 19 00-0285	EA		6' Bury Depth Sanitary Yard Hydrant, 1" Galvanized Column And 3/4" Threaded Hose Outlet	1,889.15	94.77

**33 14 19 00-0286**

**Flushing Hydrants** (33 14 19)

33 14 19 00-0287	EA		2" Inlet x 2-1/2" Outlet Steel Flushing Hydrant, 3' Bury Depth	922.93	58.53
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**33 14 23**

**Enclosures for Water Utility Piping and Valves** (33 14)

Note: Excludes excavation and backfill. See CSI section 22 11 19 00-0352 for Enclosures.

**33 14 23 00-0001**

**Roadway Or Curb Valve Boxes** (33 14 23)

See CSI section 22 05 19 00-0000 for metering.

**33 14 23 00-0002**

**Round Head, Cast Iron Service, Roadway Or Valve Boxes** (33 14 23 00-0001)

33 14 23 00-0003	EA		36" To 48" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	284.14	18.43
			Note: Includes cover, top section and bottom section.		
33 14 23 00-0004	EA		36" To 54" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	329.69	18.43
			Note: Includes cover, top section and bottom section.		
33 14 23 00-0005	EA		42" To 60" High, Two Piece, Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	331.78	18.43
			Note: Includes cover, top section and bottom section.		
33 14 23 00-0006	EA		9" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	85.90	9.22
33 14 23 00-0007	EA		16" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box	97.96	9.22



**33 Utilities****33 10 Water Utilities****33 14 Water Utility Transmission and Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 14 23 00-0008	EA		24" Extension For Screw Type, 2-1/2" Shaft, Round Head, Cast Iron Service Box .....	116.11	9.22
33 14 23 00-0009	EA		36" To 48" High, Screw Type, 4-1/4" Shaft, Round Head, Cast Iron Roadway Box.....	427.81	23.04
			Note: Includes cover, top section and bottom section.		
33 14 23 00-0010	EA		45" To 54" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	739.89	32.26
			Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0011	EA		45" To 66" High, Three Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	824.85	32.26
			Note: Includes cover, top section, bottom section and #6 round base.		
33 14 23 00-0012	EA		24" To 36" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	444.66	23.04
			Note: Includes cover, top section and bottom section.		
33 14 23 00-0013	EA		36" To 48" High, Two Piece, Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	464.95	23.04
			Note: Includes cover, top section and bottom section.		
33 14 23 00-0014	EA		24" To 36" High, Two Piece, Slip Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	449.45	23.04
			Note: Includes cover, top section and bottom section.		
33 14 23 00-0015	EA		12" Extension For Screw Type, 5-1/4" Shaft, Round Head, Cast Iron Valve Box .....	163.00	9.22
33 14 23 00-0016	EA		18" To 24" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	275.61	37.91
33 14 23 00-0017	EA		22" To 28" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	284.83	39.43
33 14 23 00-0018	EA		30" To 36" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	317.00	40.94
33 14 23 00-0019	EA		36" To 48" High Round Head Cast Iron Roadway Or Curb Valve Box.....	433.81	43.22
33 14 23 00-0020	EA		48" To 60" High Round Head Cast Iron Roadway Or Curb Valve Boxes.....	522.56	45.49
33 14 23 00-0021	EA		18" Cast Iron Service Box Extension Section .....	122.13	
<b>33 14 23 00-0022</b>			<b>Plastic Roadway Grade Water Meter Box And Cover</b> (33 14 23 00-0001)		
33 14 23 00-0023	EA		12" Wide x 16" Long x 16" Deep Plastic Meter Box And Cover .....	527.51	53.08
33 14 23 00-0024	EA		9-3/4" Wide x 19-1/4" Long x 16" Deep Oval Plastic Meter Box And Cover.....	398.52	37.91
33 14 23 00-0025	EA		Cast Iron Lid For Plastic Meter Box .....	122.20	
<b>33 16 Water Utility Storage Tanks</b> (33 10)					
<b>33 16 23 Ground-Level Steel Water Storage Tanks</b> (33 16)			See CSI section 23 13 23 16-0000 for aboveground steel storage tanks.		
<b>33 19 Water Utility Metering Equipment</b> (33 10)					
<b>33 19 13 Positive Displacement Water Meters</b> (33 19)					
<b>33 19 13 23 Nutating Disc Water Meters</b> (33 19 13)					
<b>33 19 13 23-0001 Bronze Disk Type Water Service Meters</b> (33 19 13 23)					
33 19 13 23-0002	EA		5/8" Diameter, 0 To 20 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	335.74	78.85
33 19 13 23-0003	EA		3/4" Diameter, 0 To 30 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	420.91	94.02
33 19 13 23-0004	EA		1" Diameter, 0 To 50 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	561.54	107.66
33 19 13 23-0005	EA		1-1/2" Diameter, 0 To 100 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	1,082.87	160.73
33 19 13 23-0006	EA		2" Diameter, 0 To 160 GPM, Screwed, Disk Type, Bronze Water Supply Meter .....	1,465.68	209.26
<b>33 19 16 Velocity-Type Water Meters</b> (33 19)					
<b>33 19 16 23 Turbine Water Meters</b> (33 19 16)					
<b>33 19 16 23-0001 Flanged Turbine Water Service Meter</b> (33 19 16 23)					
<b>33 19 16 23-0002 Vertical Turbine Meters</b> (33 19 16 23-0001)					
33 19 16 23-0003	EA		1-1/2" Diameter, 0 - 100 GPM Vertical Turbine Meter, Flanged.....	1,058.69	146.63
33 19 16 23-0004	EA		2" Diameter, 0 - 160 GPM Vertical Turbine Meter, Flanged.....	1,479.93	186.15
33 19 16 23-0005	EA		3" Diameter, 0 - 350 GPM Vertical Turbine Meter, Flanged.....	2,800.75	237.40
33 19 16 23-0006	EA		4" Diameter, 0 - 650 GPM Vertical Turbine Meter, Flanged.....	4,189.69	371.45
33 19 16 23-0007	EA		6" Diameter, 0 - 1,300 GPM Vertical Turbine Meter, Flanged.....	7,785.02	502.72
<b>33 19 16 23-0008 Horizontal Turbine Meters</b> (33 19 16 23-0001)					
33 19 16 23-0009	EA		1-1/2" Diameter, 0 - 120 GPM Horizontal Turbine Meter, Flanged .....	1,641.99	146.63
33 19 16 23-0010	EA		2" Diameter, 0 - 160 GPM Horizontal Turbine Meter, Flanged .....	2,312.66	186.15
33 19 16 23-0011	EA		3" Diameter, 0 - 600 GPM Horizontal Turbine Meter, Flanged .....	3,134.61	237.40
33 19 16 23-0012	EA		4" Diameter, 0 - 1,000 GPM Horizontal Turbine Meter, Flanged.....	4,631.00	371.45
33 19 16 23-0013	EA		6" Diameter, 0 - 2,000 GPM Horizontal Turbine Meter, Flanged.....	9,392.93	502.72
33 19 16 23-0014	EA		8" Diameter, 0 - 3,500 GPM Horizontal Turbine Meter, Flanged.....	12,536.72	642.37
33 19 16 23-0015	EA		10" Diameter, 0 - 5,500 GPM Horizontal Turbine Meter, Flanged.....	17,435.52	782.02
33 19 16 23-0016	EA		12" Diameter, 0 - 6,600 GPM Horizontal Turbine Meter, Flanged.....	21,221.84	1,233.07
<b>33 19 19 Compound Water Meters</b> (33 19)					
<b>33 19 19 00-0001 Flanged Compound Type Water Service Meter</b> (33 19 19)					
33 19 19 00-0002	EA		2" Diameter, 0 To 160 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	4,312.00	186.15
33 19 19 00-0003	EA		3" Diameter, 0 To 320 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	5,325.83	237.40
33 19 19 00-0004	EA		4" Diameter, 0 To 500 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	8,790.85	371.45
33 19 19 00-0005	EA		6" Diameter, 0 To 1,000 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	12,286.41	502.72
33 19 19 00-0006	EA		8" Diameter, 0 To 1,600 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	25,004.76	642.37
33 19 19 00-0007	EA		10" Diameter, 0 To 2,500 GPM, Flanged And Bronze, Compound Type Water Service Meter .....	42,632.54	782.02
<b>33 19 23 Magnetic Water Meters</b> (33 19)					
<b>33 19 23 00-0001 Flanged Electromagnetic Flow (EMF) Water Meter</b> (33 19 23)					
33 19 23 00-0002	EA		2" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG) .....	8,963.70	186.15



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 19 23 00-0003	EA		3" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	12,687.16	237.40
33 19 23 00-0004	EA		4" Diameter, Flanged, Stainless Steel, Electromagnetic Flow (EMF) Water Meter (Sensus Accu-MAG).....	14,610.61	371.45
<b>33 19 26 Ultrasonic Water Meters (33 19)</b>					
<b>33 19 26 00-0001 Ultrasonic Water Service Meters (Mastermeter Active) (33 19 26)</b>					
33 19 26 00-0002	EA		3" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Active).....	4,619.05	237.40
33 19 26 00-0003	EA		4" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Active).....	5,369.04	371.45
33 19 26 00-0004	EA		6" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Active).....	7,881.48	502.72
33 19 26 00-0005	EA		8" Diameter, Ductile Iron Body, Flanged, Ultrasonic Water Meter (Mastermeter Active).....	11,311.20	642.37
<b>33 30 Sanitary Sewerage Utilities (33)</b>					
<b>33 31 Sanitary Sewerage Piping (33 30)</b>					
<b>33 31 11 Public Sanitary Sewerage Gravity Piping (33 31)</b>					
Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.					
<b>33 31 11 00-0001 Plastic Sewer And Drain Piping (33 31 11)</b>					
Note: Includes detectable tracer wire.					
<b>33 31 11 00-0002 Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)</b>					
33 31 11 00-0003	LF		1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	13.43	5.38
33 31 11 00-0004	LF		2" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	16.33	6.35
33 31 11 00-0005	LF		3" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	22.87	7.68
33 31 11 00-0006	LF		4" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	28.73	8.97
33 31 11 00-0007	LF		6" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	39.70	10.43
33 31 11 00-0008	LF		8" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	53.61	12.13
33 31 11 00-0009	LF		10" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	74.10	12.55
33 31 11 00-0010	LF		12" Schedule 40 Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	98.04	13.00
<b>33 31 11 00-0011 Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe (33 31 11 00-0001)</b>					
Note: D-2729 PVC pipe.					
33 31 11 00-0012	LF		3" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	17.72	7.68
33 31 11 00-0013	LF		4" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	20.86	8.97
33 31 11 00-0014	LF		6" Belled End Polyvinyl Chloride (PVC) Sewer And Drain Pipe .....	26.60	10.43
<b>33 31 11 00-0015 Polyvinyl Chloride (PVC) Sewer And Drain Fittings (33 31 11 00-0001)</b>					
<b>33 31 11 00-0016 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>					
33 31 11 00-0017	EA		1-1/2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	35.42	18.54
33 31 11 00-0018	EA		2" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	45.55	23.98
33 31 11 00-0019	EA		3" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	78.38	32.19
33 31 11 00-0020	EA		4" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	119.45	37.22
33 31 11 00-0021	EA		6" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	160.15	48.37
33 31 11 00-0022	EA		8" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	261.39	65.09
33 31 11 00-0023	EA		10" 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	362.63	86.69
<b>33 31 11 00-0024 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>					
33 31 11 00-0025	EA		1-1/2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	37.18	18.54
33 31 11 00-0026	EA		2" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	45.41	23.98
33 31 11 00-0027	EA		3" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	75.75	32.19
33 31 11 00-0028	EA		4" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	106.56	37.22
33 31 11 00-0029	EA		6" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	160.15	48.37
33 31 11 00-0030	EA		8" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	261.39	65.09
33 31 11 00-0031	EA		10" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	362.63	86.69
33 31 11 00-0032	EA		12" 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	463.87	115.46
<b>33 31 11 00-0033 Long Sweep 1/4 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>					
33 31 11 00-0034	EA		1-1/2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	56.80	18.25
33 31 11 00-0035	EA		2" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	57.85	23.98
33 31 11 00-0036	EA		3" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	110.01	32.19
33 31 11 00-0037	EA		4" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	177.43	37.22
33 31 11 00-0038	EA		6" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	244.85	48.37
33 31 11 00-0039	EA		8" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	312.27	65.09
33 31 11 00-0040	EA		10" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	379.69	86.69
33 31 11 00-0041	EA		12" Long Sweep 1/4 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	447.11	115.46
<b>33 31 11 00-0042 1/16 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>					
33 31 11 00-0043	EA		1-1/2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	40.92	18.54
33 31 11 00-0044	EA		2" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	49.21	23.98
33 31 11 00-0045	EA		3" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	86.70	32.19
33 31 11 00-0046	EA		4" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	126.88	37.22
33 31 11 00-0047	EA		6" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	167.06	48.37
33 31 11 00-0048	EA		8" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	207.24	65.09
33 31 11 00-0049	EA		10" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	247.42	86.69
33 31 11 00-0050	EA		12" 1/16 Bend, Polyvinyl Chloride (PVC) Sewer And Drain .....	287.60	115.46

**33 Utilities**  
**33 30 Sanitary Sewerage Utilities**  
**33 31 Sanitary Sewerage Piping**

MINOR  
 CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 31 11 00-0051			<b>Reducers, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0052	EA		2" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	47.01	21.16
33 31 11 00-0053	EA		3" x 1-1/2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	86.52	25.25
33 31 11 00-0054	EA		3" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	82.51	27.85
33 31 11 00-0055	EA		4" x 2" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	126.24	30.44
33 31 11 00-0056	EA		4" x 3" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	136.03	34.54
33 31 11 00-0057	EA		6" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	405.76	42.75
33 31 11 00-0058	EA		8" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	856.23	56.67
33 31 11 00-0059	EA		10" x 4" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	255.19	61.88
33 31 11 00-0060	EA		10" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	354.48	67.50
33 31 11 00-0061	EA		10" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	330.99	75.80
33 31 11 00-0062	EA		12" x 6" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	894.33	81.94
33 31 11 00-0063	EA		12" x 8" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	945.30	90.24
33 31 11 00-0064	EA		12" x 10" Reducer, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,002.06	101.08
33 31 11 00-0065			<b>Sanitary Tees, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0066	EA		1-1/2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	55.60	28.01
33 31 11 00-0067	EA		2" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	73.73	36.23
33 31 11 00-0068	EA		3" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	123.60	47.81
33 31 11 00-0069	EA		4" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	187.83	59.38
33 31 11 00-0070	EA		6" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	672.39	65.09
33 31 11 00-0071	EA		8" Sanitary Tee, Polyvinyl Chloride (PVC) Sewer And Drain.....	873.19	86.69
33 31 11 00-0072			<b>Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0073	EA		1-1/2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	69.21	28.01
33 31 11 00-0074	EA		2" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	81.64	36.23
33 31 11 00-0075	EA		3" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	133.70	47.81
33 31 11 00-0076	EA		4" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	204.37	59.38
33 31 11 00-0077	EA		6" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	610.31	65.09
33 31 11 00-0078	EA		8" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	755.28	86.69
33 31 11 00-0079	EA		10" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	993.82	115.68
33 31 11 00-0080	EA		12" Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	1,563.94	154.37
33 31 11 00-0081			<b>Reducing Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0082	EA		2" x 1-1/2" x 1-1/2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	90.59	28.01
33 31 11 00-0083	EA		2" x 2" x 1" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	102.43	36.23
33 31 11 00-0084	EA		3" x 3" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	119.65	47.81
33 31 11 00-0085	EA		4" x 4" x 2" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	181.68	59.38
33 31 11 00-0086	EA		4" x 4" x 3" Reducing Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	197.19	59.38
33 31 11 00-0087			<b>Double Wyes, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0088	EA		1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	112.24	36.23
33 31 11 00-0089	EA		2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	146.29	47.81
33 31 11 00-0090	EA		3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	289.27	64.53
33 31 11 00-0091	EA		4" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	507.41	78.05
33 31 11 00-0092	EA		2" x 2" x 1-1/2" x 1-1/2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	139.85	47.81
33 31 11 00-0093	EA		3" x 3" x 2" x 2" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	240.07	64.53
33 31 11 00-0094	EA		4" x 4" x 3" x 3" Double Wye, Polyvinyl Chloride (PVC) Sewer And Drain.....	426.16	78.05
33 31 11 00-0095			<b>Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0096	EA		1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	86.20	28.01
33 31 11 00-0097	EA		2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	108.14	36.23
33 31 11 00-0098	EA		3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	213.34	47.81
33 31 11 00-0099	EA		4" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	382.98	59.38
33 31 11 00-0100	EA		2" x 2" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	165.82	36.23
33 31 11 00-0101	EA		3" x 3" x 1-1/2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	265.59	47.81
33 31 11 00-0102	EA		3" x 3" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	192.91	47.81
33 31 11 00-0103	EA		4" x 4" x 2" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	358.49	59.38
33 31 11 00-0104	EA		4" x 4" x 3" Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	380.89	59.38
33 31 11 00-0105			<b>Double Combination Wye And 1/8 Bends, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0106	EA		1-1/2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	125.41	36.23
33 31 11 00-0107	EA		2" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	147.76	47.81
33 31 11 00-0108	EA		3" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	228.80	64.53
33 31 11 00-0109	EA		4" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	812.82	78.05
33 31 11 00-0110	EA		6" Double Combination Wye And 1/8 Bend, Polyvinyl Chloride (PVC) Sewer And Drain.....	2,655.47	86.42
33 31 11 00-0111			<b>Cleanout Tees With Plug, Polyvinyl Chloride (PVC) Sewer And Drain (33 31 11 00-0015)</b>		
33 31 11 00-0112	EA		4" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	657.20	151.01
33 31 11 00-0113	EA		6" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	1,543.55	194.82
33 31 11 00-0114	EA		8" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	1,969.91	274.55
33 31 11 00-0115	EA		10" Polyvinyl Chloride (PVC) Cleanout Tees With Plug, Sewer And Drain.....	2,728.94	441.64

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 31 11 00-0116</b>	<b>Couplings, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0117	EA 1-1/2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	34.51	18.54
33 31 11 00-0118	EA 2" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	43.15	23.83
33 31 11 00-0119	EA 3" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	67.02	31.92
33 31 11 00-0120	EA 4" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	87.12	37.22
33 31 11 00-0121	EA 6" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	245.69	48.37
33 31 11 00-0122	EA 8" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	597.55	65.09
33 31 11 00-0123	EA 10" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	904.88	86.69
33 31 11 00-0124	EA 12" Coupling, Polyvinyl Chloride (PVC) Sewer And Drain .....	1,493.19	115.46
<b>33 31 11 00-0125</b>	<b>Adapters, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0126	EA 4" Male, Plastic Pipe x Malleable Iron Pipe Adapter, Drain And Sewer Fitting .....	174.41	98.03
33 31 11 00-0127	EA 2" x 3" x 3" Downspout Adapter, Drain And Sewer Fitting .....	121.06	74.58
33 31 11 00-0128	EA 2" x 3" x 4" Downspout Adapter, Drain And Sewer Fitting .....	125.07	74.58
33 31 11 00-0129	EA 3" x 4" x 4" Downspout Adapter, Drain And Sewer Fitting .....	135.68	74.58
33 31 11 00-0130	EA 4" Hub, Cast Iron Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	177.32	98.03
33 31 11 00-0131	EA 4" Spigot, Clay Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	168.83	98.03
33 31 11 00-0132	EA 4" Spigot, Fiberglass Pipe x Plastic Pipe Adapter, Drain And Sewer Fitting.....	154.88	98.03
33 31 11 00-0133	EA 4" Drain Grate, Drain And Sewer Fitting .....	85.97	50.41
<b>33 31 11 00-0134</b>	<b>Caps, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0135	EA 3" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	54.24	19.93
33 31 11 00-0136	EA 4" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	92.37	24.81
33 31 11 00-0137	EA 6" Cap, Polyvinyl Chloride (PVC) Drain And Sewer Fitting .....	180.05	32.05
<b>33 31 11 00-0138</b>	<b>Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain</b> <small>(33 31 11 00-0015)</small>		
33 31 11 00-0139	EA 1-1/2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	32.65	18.54
33 31 11 00-0140	EA 2" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	42.56	23.98
33 31 11 00-0141	EA 3" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	64.14	32.19
33 31 11 00-0142	EA 4" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	86.09	37.22
33 31 11 00-0143	EA 6" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	152.67	48.37
33 31 11 00-0144	EA 8" Plug Cleanout, Polyvinyl Chloride (PVC) Sewer And Drain.....	613.18	65.09
<b>33 31 11 00-0145</b>	<b>Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 31 11 00-0001)</small>		
	Note: ASTM 3034.		
33 31 11 00-0146	LF 4" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	21.76	8.97
33 31 11 00-0147	LF 6" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	28.15	10.43
33 31 11 00-0148	LF 8" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	36.64	12.13
33 31 11 00-0149	LF 10" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	43.70	12.55
33 31 11 00-0150	LF 12" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	52.17	13.00
33 31 11 00-0151	LF 15" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	66.19	13.45
33 31 11 00-0152	LF 18" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	82.19	13.95
33 31 11 00-0153	LF 21" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	105.15	15.15
33 31 11 00-0154	LF 24" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	126.45	16.34
33 31 11 00-0155	LF 27" Gasketed SDR 35 Polyvinyl Chloride (PVC) Pipe .....	156.61	19.16
<b>33 31 11 00-0156</b>	<b>Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe</b> <small>(33 31 11 00-0001)</small>		
	Note: ASTM 3034.		
33 31 11 00-0157	LF 4" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	23.40	8.97
33 31 11 00-0158	LF 6" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	31.81	10.43
33 31 11 00-0159	LF 8" Solvent Weld SDR 35 Polyvinyl Chloride (PVC) Pipe.....	43.39	12.13
<b>33 31 11 00-0160</b>	<b>Gasketed SDR 35 Polyvinyl Chloride (PVC) Fittings</b> <small>(33 31 11 00-0001)</small>		
	Note: ASTM 3034.		
<b>33 31 11 00-0161</b>	<b>1/4 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0162	EA 4" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	99.31	34.57
33 31 11 00-0163	EA 6" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	143.70	40.19
33 31 11 00-0164	EA 8" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	288.52	45.56
33 31 11 00-0165	EA 10" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	802.88	53.60
33 31 11 00-0166	EA 12" 1/4 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,037.19	68.33
<b>33 31 11 00-0167</b>	<b>1/8 Bends, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		
33 31 11 00-0168	EA 4" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	90.74	34.57
33 31 11 00-0169	EA 6" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	134.25	40.19
33 31 11 00-0170	EA 8" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	264.63	45.56
33 31 11 00-0171	EA 10" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	577.89	53.60
33 31 11 00-0172	EA 12" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	823.26	68.33
33 31 11 00-0173	EA 15" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,749.23	96.47
33 31 11 00-0174	EA 18" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,770.18	136.68
33 31 11 00-0175	EA 21" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,607.25	180.89
33 31 11 00-0176	EA 24" 1/8 Bend, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	6,280.33	241.19
<b>33 31 11 00-0177</b>	<b>Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC)</b> <small>(33 31 11 00-0160)</small>		

**33 Utilities****33 30 Sanitary Sewerage Utilities****33 31 Sanitary Sewerage Piping**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 31 11 00-0178	EA	4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	150.20	51.85
33 31 11 00-0179	EA	6" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	233.83	57.48
33 31 11 00-0180	EA	6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	261.44	60.30
33 31 11 00-0181	EA	8" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	287.55	63.11
33 31 11 00-0182	EA	8" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	327.36	65.93
33 31 11 00-0183	EA	8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	609.43	68.74
33 31 11 00-0184	EA	10" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	775.16	70.34
33 31 11 00-0185	EA	10" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	876.70	73.70
33 31 11 00-0186	EA	10" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,284.69	76.51
33 31 11 00-0187	EA	10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,668.57	80.40
33 31 11 00-0188	EA	12" x 4" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	953.50	85.62
33 31 11 00-0189	EA	12" x 6" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,011.48	88.44
33 31 11 00-0190	EA	12" x 8" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,432.63	91.25
33 31 11 00-0191	EA	12" x 10" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,055.30	95.14
33 31 11 00-0192	EA	12" Sanitary Tees, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,314.78	102.50

**33 31 11 00-0193 Wyes, Gasketed SDR 35 Polyvinyl Chloride (PVC)** (33 31 11 00-0160)

33 31 11 00-0194	EA	4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	143.55	51.85
33 31 11 00-0195	EA	6" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	211.67	57.48
33 31 11 00-0196	EA	6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	231.67	60.30
33 31 11 00-0197	EA	8" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	278.05	63.11
33 31 11 00-0198	EA	8" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	316.02	65.93
33 31 11 00-0199	EA	8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	473.99	68.74
33 31 11 00-0200	EA	10" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	710.99	70.88
33 31 11 00-0201	EA	10" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	725.70	73.70
33 31 11 00-0202	EA	10" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,081.39	76.51
33 31 11 00-0203	EA	10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,195.33	80.40
33 31 11 00-0204	EA	12" x 4" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	899.83	85.62
33 31 11 00-0205	EA	12" x 6" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	928.13	88.44
33 31 11 00-0206	EA	12" x 8" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,318.38	91.25
33 31 11 00-0207	EA	12" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,584.08	95.14
33 31 11 00-0208	EA	12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,654.96	102.50
33 31 11 00-0209	EA	15" x 10" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,038.62	123.28
33 31 11 00-0210	EA	15" x 12" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,259.88	130.64
33 31 11 00-0211	EA	15" Wye, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,819.78	144.72

**33 31 11 00-0212 Couplings, Gasketed SDR 35 Polyvinyl Chloride (PVC)** (33 31 11 00-0160)

33 31 11 00-0213	EA	4" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	98.56	34.57
33 31 11 00-0214	EA	6" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	148.76	40.19
33 31 11 00-0215	EA	8" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	215.24	45.82
33 31 11 00-0216	EA	10" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	397.54	53.60
33 31 11 00-0217	EA	12" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	561.68	68.33
33 31 11 00-0218	EA	15" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,087.24	96.47
33 31 11 00-0219	EA	18" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	2,031.25	136.68
33 31 11 00-0220	EA	21" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	3,375.02	180.89
33 31 11 00-0221	EA	24" Coupling, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	4,879.44	241.19

**33 31 11 00-0222 Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC)** (33 31 11 00-0160)

33 31 11 00-0223	EA	6" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	179.82	37.38
33 31 11 00-0224	EA	8" x 4" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	253.57	40.19
33 31 11 00-0225	EA	8" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	267.60	43.01
33 31 11 00-0226	EA	10" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	587.46	46.90
33 31 11 00-0227	EA	10" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	673.89	49.71
33 31 11 00-0228	EA	12" x 6" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	752.60	54.27
33 31 11 00-0229	EA	12" x 8" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	862.18	57.08
33 31 11 00-0230	EA	12" x 10" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	987.18	60.97
33 31 11 00-0231	EA	15" x 12" Increaser, Gasketed SDR 35 Polyvinyl Chloride (PVC).....	1,483.43	82.41

**33 31 11 00-0232 Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)** (33 31 11 00-0160)

33 31 11 00-0233	EA	6" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	151.63	
33 31 11 00-0234	EA	8" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	198.81	
33 31 11 00-0235	EA	8" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	202.91	
33 31 11 00-0236	EA	10" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	328.60	
33 31 11 00-0237	EA	10" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	345.79	
33 31 11 00-0238	EA	10" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	641.44	
33 31 11 00-0239	EA	12" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	375.59	
33 31 11 00-0240	EA	12" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	407.81	
33 31 11 00-0241	EA	12" x 8" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	885.13	
33 31 11 00-0242	EA	12" x 10" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	1,040.25	
33 31 11 00-0243	EA	15" x 4" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	436.57	
33 31 11 00-0244	EA	15" x 6" Saddle Wye With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	464.68	

**33 31 11 00-0245 Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC)** (33 31 11 00-0160)

33 31 11 00-0246	EA	6" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	161.26	
33 31 11 00-0247	EA	8" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	198.81	
33 31 11 00-0248	EA	8" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	216.01	
33 31 11 00-0249	EA	10" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	303.11	
33 31 11 00-0250	EA	10" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....	343.73	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 31 11 00-0251	EA	10" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			513.11	
33 31 11 00-0252	EA	12" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			373.55	
33 31 11 00-0253	EA	12" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			405.86	
33 31 11 00-0254	EA	12" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			597.80	
33 31 11 00-0255	EA	12" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			723.07	
33 31 11 00-0256	EA	15" x 4" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			435.30	
33 31 11 00-0257	EA	15" x 6" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			455.15	
33 31 11 00-0258	EA	15" x 8" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			738.96	
33 31 11 00-0259	EA	15" x 10" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			814.56	
33 31 11 00-0260	EA	15" x 12" Saddle Tee With Stainless Steel Clamps, SDR 35 Polyvinyl Chloride (PVC).....			1,139.47	

**33 31 11 00-0261 Couplings And Plug Fittings (33 31 11)**

**33 31 11 00-0262 Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Polyvinyl Chloride (PVC) Flexible Pipe Couplings (33 31 11 00-0261)**

Note: For cast iron or plastic to cast iron to plastic pipe. Includes stainless steel clamps.

33 31 11 00-0263	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150) .....			24.46	9.24
33 31 11 00-0264	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22) .....			26.83	10.79
33 31 11 00-0265	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33) .....			30.74	12.32
33 31 11 00-0266	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44) .....			34.57	13.09
33 31 11 00-0267	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55) .....			41.41	13.86
33 31 11 00-0268	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66) .....			48.28	15.40
33 31 11 00-0269	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88) .....			59.90	16.94
33 31 11 00-0270	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010) .....			72.59	17.71
33 31 11 00-0271	EA	12" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1212) .....			114.80	18.48
33 31 11 00-0272	EA	15" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1515) .....			153.54	20.02
33 31 11 00-0273	EA	18" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1818) .....			287.68	20.79
33 31 11 00-0274	EA	21" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2121) .....			333.13	21.94
33 31 11 00-0275	EA	24" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2424) .....			368.44	23.11
33 31 11 00-0276	EA	27" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-2727) .....			440.27	24.64

**33 31 11 00-0277 Cast Iron Service Saddles With U Bolt (33 31 11)**

33 31 11 00-0278	EA	2" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt .....			150.68	
33 31 11 00-0279	EA	3" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt .....			151.35	
33 31 11 00-0280	EA	3" Diameter x 2" Tapped Tee Cast Iron Service Saddles With U Bolt .....			166.83	
33 31 11 00-0281	EA	4" Diameter x 1-1/2" Tapped Tee Cast Iron Service Saddles With U Bolt .....			160.96	
33 31 11 00-0282	EA	4" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt .....			181.05	
33 31 11 00-0283	EA	4" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt .....			202.81	
33 31 11 00-0284	EA	4" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt .....			239.91	
33 31 11 00-0285	EA	6" Diameter x 2" Hub Tee Cast Iron Service Saddles With U Bolt .....			201.90	
33 31 11 00-0286	EA	6" Diameter x 3" Hub Tee Cast Iron Service Saddles With U Bolt .....			220.63	
33 31 11 00-0287	EA	6" Diameter x 4" Hub Tee Cast Iron Service Saddles With U Bolt .....			254.92	
33 31 11 00-0288	EA	4" Diameter x 1-1/2" Tapped Wye Cast Iron Service Saddle With U Bolt .....			164.75	
33 31 11 00-0289	EA	4" Diameter x 2" Tapped Wye Cast Iron Service Saddle With U Bolt .....			180.24	
33 31 11 00-0290	EA	4" Diameter x 3" Hub Wye Cast Iron Service Saddle With U Bolt .....			211.67	
33 31 11 00-0291	EA	4" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt .....			250.79	
33 31 11 00-0292	EA	6" Diameter x 4" Hub Wye Cast Iron Service Saddle With U Bolt .....			268.48	

**33 32 Sanitary Sewerage Equipment (33 30)**

**33 32 16 Packaged Wastewater Grinder Pump Assemblies (33 32)**

**33 32 16 00-0001 Submersible Grinder Pumps, Cast Iron With Bronze Impeller (33 32 16)**

33 32 16 00-0002	EA	2 HP Submersible Grinder Pump, 200/208, 230 Volt, 1 Phase, 3450 RPM, 1-1/2" Threaded Discharge.....			2,392.10	453.56	
		Note: Zoeller 840 series.					
33 32 16 00-0003	EA	2 HP Submersible Grinder Pump, 200/208, 230, 460 Volt, 3 Phase, 3450 RPM, 1-1/2" Threaded Discharge .....			2,361.40	453.56	
		Note: Zoeller 840 series.					
33 32 16 00-0004	EA	Simplex Control Panel With Auto Reversing Switch .....			1,099.39	151.14	
		Note: For Zoeller 840 series grinder pump.					
33 32 16 00-0005	EA	Duplex Control Panel With Auto Reversing Switch.....			1,669.88	151.14	
		Note: For Zoeller 840 series grinder pump.					

**33 32 16 00-0006 Submersible Grinder Pumps (33 32 16)**

Note: Includes 50' of cord with pumps unless otherwise noted.

33 32 16 00-0007	EA	3 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof .....			6,862.56	1,079.50
33 32 16 00-0008	EA	5 HP Submersible Grinder Pump At 1,750 RPM, Explosion Proof .....			8,314.28	1,387.93
33 32 16 00-0009	EA	2 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....			4,260.55	925.28
33 32 16 00-0010	EA	3 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....			6,220.78	1,079.50
33 32 16 00-0011	EA	5 HP Submersible Grinder Pump At 3,450 RPM, Explosion Proof .....			7,650.00	1,387.93

**33 34 Onsite Wastewater Disposal (33 30)**

Note: Excludes distribution field piping, trenching or excavation.

**33 34 13 Septic Tanks (33 34)**

**33 34 13 13 Concrete Septic Tanks (33 34 13)**

**33 34 13 13-0001 Precast Concrete Septic Tank (33 34 13 13)**

Note: Includes external coating.

33 34 13 13-0002	EA	1,000 Gallon Precast Septic Tank .....			4,478.88	925.28	
		For Non-Traffic Rated, Deduct					
					-835.64		



**33 Utilities****33 30 Sanitary Sewerage Utilities****33 34 Onsite Wastewater Disposal**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 34 13 13-0003	EA		1,250 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	5,367.09 -1,028.28	1,021.35
33 34 13 13-0004	EA		1,500 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	6,221.72 -1,212.50	1,117.28
33 34 13 13-0005	EA		2,000 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	7,947.83 -1,615.28	1,214.43
33 34 13 13-0006	EA		2,500 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	9,509.36 -1,864.36	1,677.07
33 34 13 13-0007	EA		4,000 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	24,921.28 -5,520.94	2,313.20
33 34 13 13-0008	EA		5,000 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	45,188.80 -10,236.16	3,469.81
33 34 13 13-0009	EA		7,500 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	50,828.79 -11,229.32	4,857.72
33 34 13 13-0010	EA		10,000 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	62,304.50 -13,802.67	5,812.00
33 34 13 13-0011	EA		12,500 Gallon Precast Septic Tank ..... <i>For Non-Traffic Rated, Deduct</i>	73,693.58 -16,206.57	7,199.92

**33 34 13 23 Fiberglass Septic Tank (33 34 13)****33 34 13 23-0001 Fiberglass Septic Tank (33 34 13 23)**

33 34 13 23-0002	EA		1,000 Gallon Fiberglass Septic Tank .....	5,192.22	693.96
33 34 13 23-0003	EA		1,250 Gallon Fiberglass Septic Tank .....	6,125.97	925.28
33 34 13 23-0004	EA		1,500 Gallon Fiberglass Septic Tank .....	7,026.64	838.61
33 34 13 23-0005	EA		2,000 Gallon Fiberglass Septic Tank .....	11,693.76	907.85
33 34 13 23-0006	EA		2,500 Gallon Fiberglass Septic Tank .....	14,694.27	1,258.39
33 34 13 23-0007	EA		4,000 Gallon Fiberglass Septic Tank .....	23,272.61	1,734.90
33 34 13 23-0008	EA		5,000 Gallon Fiberglass Septic Tank .....	34,544.82	2,602.36
33 34 13 23-0009	EA		7,500 Gallon Fiberglass Septic Tank .....	47,429.91	3,643.29
33 34 13 23-0010	EA		10,000 Gallon Fiberglass Septic Tank .....	58,193.98	4,354.52

**33 34 13 33 Polyethylene Septic Tank (33 34 13)****33 34 13 33-0001 High Density Polyethylene (HDPE) Septic Tank (33 34 13 33)**

33 34 13 33-0002	EA		300 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	1,438.29	279.29
33 34 13 33-0003	EA		500 Gallon One Compartment One Manhole High Density Polyethylene (HDPE) Septic Tank.....	2,182.82	314.20
33 34 13 33-0004	EA		900 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,020.52	384.03
33 34 13 33-0005	EA		1,000 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,108.50	418.93
33 34 13 33-0006	EA		1,250 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,593.54	453.84
33 34 13 33-0007	EA		1,500 Gallon One Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	4,296.54	488.76
33 34 13 33-0008	EA		750 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,031.13	349.12
33 34 13 33-0009	EA		1,000 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,316.10	418.93
33 34 13 33-0010	EA		1,250 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	3,889.37	453.84
33 34 13 33-0011	EA		1,500 Gallon Two Compartment Two Manhole High Density Polyethylene (HDPE) Septic Tank.....	4,556.04	488.76

**33 34 51 Drainage Field System (33 34)****33 34 51 00-0001 Leaching Pit - Precast Concrete (33 34 51)**

Note: Includes external coating.

33 34 51 00-0002	EA		3' Diameter, 3' High, Precast Concrete Leaching Pit .....	1,015.28	135.70
33 34 51 00-0003	EA		4' Diameter, 3' High, Precast Concrete Leaching Pit .....	1,410.32	192.77
33 34 51 00-0004	EA		6' Diameter, 3' High, Precast Concrete Leaching Pit .....	1,878.85	231.32
33 34 51 00-0005	EA		8' Diameter, 4' High, Precast Concrete Leaching Pit .....	3,068.29	385.53
33 34 51 00-0006	EA		10' Diameter, 4' High, Precast Concrete Leaching Pit .....	4,453.41	539.74

**33 34 53 Distribution Chambers (33 34)****33 34 53 13 Drainage Field Concrete Distribution Chambers (33 34 53)****33 34 53 13-0001 Leaching Field Chambers - Precast Concrete (33 34 53 13)**

33 34 53 13-0002	EA		Standard Leaching Field Chamber 13' x 3'-7" x 1'-4" .....	1,158.86	122.13
33 34 53 13-0003	EA		Heavy Duty Leaching Field Chamber 13' x 3'-9" x 1'-6" .....	1,432.95	166.54

**33 34 56 Drainage Field Dosing Chambers (33 34)****33 34 56 00-0001 Dosing Siphon (33 34 56)**

33 34 56 00-0002	EA		Dosing Siphon With Electrical Connection And Solenoid Valve.....	6,146.51	
33 34 56 00-0003	EA		Solar Power Control For Dosing Siphon .....	4,214.53	
33 34 56 00-0004	EA		Electrical Power Control For Dosing Siphon .....	4,050.58	

**33 40 Stormwater Utilities (33)****33 41 Subdrainage (33 40)****33 41 16 Subdrainage Piping (33 41)****33 41 16 13 Subdrainage Piping (33 41 16)**

See CSI section 33 42 11 00-0137 for polyethylene drain pipe.

**33 41 16 13-0001 Corrugated High Density Polyethylene (HDPE) Drainage Piping (33 41 16 13)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 13-0002			Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0001)</small> Note: Excludes couplings and gaskets.		
33 41 16 13-0003			Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0004	LF		4" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	8.21 1.45 -0.76	6.91
33 41 16 13-0005	LF		6" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	10.29 1.62 -0.88	7.40
33 41 16 13-0006	LF		8" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	12.88 1.81 -1.03	7.77
33 41 16 13-0007	LF		10" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	17.46 2.07 -1.27 -1.27	8.01
33 41 16 13-0008	LF		12" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	20.53 2.34 -1.46	8.75
33 41 16 13-0009	LF		15" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	27.01 2.83 -1.84	9.86
33 41 16 13-0010	LF		18" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	42.05 4.38 -2.86	15.19
33 41 16 13-0011	LF		24" Coupled, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	58.61 5.43 -3.76	16.68
33 41 16 13-0012			Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Piping <small>(33 41 16 13-0002)</small>		
33 41 16 13-0013	LF		4" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	8.02 1.44 -0.75	6.91
33 41 16 13-0014	LF		6" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	10.21 1.62 -0.88	7.40
33 41 16 13-0015	LF		8" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	16.40 1.99 -1.21	7.77
33 41 16 13-0016	LF		10" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	19.30 2.17 -1.37	8.01
33 41 16 13-0017	LF		12" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	22.55 2.44 -1.57	8.75
33 41 16 13-0018	LF		15" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	26.80 2.82 -1.83	9.86
33 41 16 13-0019	LF		18" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	40.71 4.31 -2.80	15.19
33 41 16 13-0020	LF		24" Coupled, Perforated, Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe..... For <100, Add For >1,000, Deduct	56.50 5.33 -3.66	16.68
33 41 16 13-0021			Single Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings <small>(33 41 16 13-0001)</small> Note: Excludes couplings and gaskets.		
33 41 16 13-0022			Tees, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0023	EA		4" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE) .....	59.15	32.17
33 41 16 13-0024	EA		6" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE) .....	70.30	37.54
33 41 16 13-0025	EA		8" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE) .....	113.27	45.59
33 41 16 13-0026	EA		10" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	145.31	56.31
33 41 16 13-0027	EA		12" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	214.83	67.04
33 41 16 13-0028	EA		15" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	463.43	87.59
33 41 16 13-0029	EA		18" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	554.87	117.97
33 41 16 13-0030	EA		24" Tee, Single Wall, Corrugated High Density Polyethylene (HDPE).....	1,045.06	134.06
33 41 16 13-0031			Wyes, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0032	EA		4" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE) .....	60.77	32.17
33 41 16 13-0033	EA		6" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE) .....	75.61	37.54
33 41 16 13-0034	EA		8" Wye, Single Wall, Corrugated High Density Polyethylene (HDPE) .....	168.87	45.59
33 41 16 13-0035			45 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE) <small>(33 41 16 13-0021)</small>		
33 41 16 13-0036	EA		4" 45 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	39.98	21.45

**33 Utilities****33 40 Stormwater Utilities****33 41 Subdrainage**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 41 16 13-0037			<b>90 Degree Bends, Single Wall, Corrugated High Density Polyethylene (HDPE)</b> <small>(33 41 16 13-0021)</small>		
33 41 16 13-0038	EA		4" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	41.69	21.45
33 41 16 13-0039	EA		6" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	53.74	25.03
33 41 16 13-0040	EA		8" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	79.49	30.39
33 41 16 13-0041	EA		10" 90 Degree Bend, Single Wall, Corrugated High Density Polyethylene (HDPE).....	104.61	37.54
33 41 16 13-0042			<b>Perforated Polyvinyl Chloride (PVC) Drainage Piping, D2729</b> <small>(33 41 16 13)</small>		
			Note: Includes fittings, couplings, elbows, etc.		
33 41 16 13-0043	LF		4" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	11.05	5.73
			For <100, Add	1.41	
			For >1,000, Deduct	-0.84	
33 41 16 13-0044	LF		6" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	16.04	6.88
			For <100, Add	1.83	
			For >1,000, Deduct	-1.15	
33 41 16 13-0045	LF		8" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	25.71	8.60
			For <100, Add	2.58	
			For >1,000, Deduct	-1.72	
33 41 16 13-0046	LF		10" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	43.16	8.94
			For <100, Add	3.50	
			For >1,000, Deduct	-2.61	
33 41 16 13-0047	LF		12" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	55.59	9.77
			For <100, Add	4.25	
			For >1,000, Deduct	-3.27	
33 41 16 13-0048	LF		15" Perforated Polyvinyl Chloride (PVC) Drainage Piping .....	77.45	11.01
			For <100, Add	5.52	
			For >1,000, Deduct	-4.42	
33 41 16 13-0049			<b>Perforated Non-Reinforced Concrete Drainage Piping, C444</b> <small>(33 41 16 13)</small>		
33 41 16 13-0050	LF		6" Perforated Non-Reinforced Concrete Drainage Pipe.....	41.27	16.87
			For Extra Strength, Add	2.02	
			For >1,000, Deduct	-2.06	
33 41 16 13-0051	LF		8" Perforated Non-Reinforced Concrete Drainage Pipe.....	47.95	18.74
			For Extra Strength, Add	2.49	
			For >1,000, Deduct	-2.40	
33 41 16 13-0052	LF		10" Perforated Non-Reinforced Concrete Drainage Pipe.....	54.09	20.63
			For Extra Strength, Add	2.89	
			For >1,000, Deduct	-2.70	
33 41 16 13-0053	LF		12" Perforated Non-Reinforced Concrete Drainage Pipe.....	63.01	22.50
			For Extra Strength, Add	3.63	
			For >1,000, Deduct	-3.15	
33 41 16 13-0054			<b>Extra Strength Porous Non-Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
			Note: Bell and spigot or tongue and groove. With seals and gaskets.		
33 41 16 13-0055	LF		6" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	35.02	16.87
			For >1,000, Deduct	-1.75	
33 41 16 13-0056	LF		8" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	38.78	18.74
			For >1,000, Deduct	-1.94	
33 41 16 13-0057	LF		10" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	42.76	20.63
			For >1,000, Deduct	-2.14	
33 41 16 13-0058	LF		12" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	48.52	21.42
			For >1,000, Deduct	-2.43	
33 41 16 13-0059	LF		15" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	56.06	24.10
			For >1,000, Deduct	-2.80	
33 41 16 13-0060	LF		18" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	69.43	30.80
			For >1,000, Deduct	-3.47	
33 41 16 13-0061	LF		21" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	86.83	39.51
			For >1,000, Deduct	-4.34	
33 41 16 13-0062	LF		24" Extra Strength Porous Non-Reinforced Concrete Drainage Pipe .....	105.82	48.21
			For >1,000, Deduct	-5.29	
33 41 16 13-0063			<b>Standard Strength Porous Non-Reinforced Concrete Drainage Piping, C654</b> <small>(33 41 16 13)</small>		
33 41 16 13-0064	LF		6" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe .....	32.96	16.87
			For >1,000, Deduct	-1.65	
33 41 16 13-0065	LF		8" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe .....	41.06	18.74
			For >1,000, Deduct	-2.05	
33 41 16 13-0066	LF		10" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe .....	51.03	20.63
			For >1,000, Deduct	-2.55	
33 41 16 13-0067	LF		12" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe .....	61.18	22.50
			For >1,000, Deduct	-3.06	
33 41 16 13-0068	LF		15" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe .....	69.86	25.03
			For >1,000, Deduct	-3.49	
33 41 16 13-0069	LF		18" Standard Strength Porous Non-Reinforced Concrete Drainage Pipe .....	90.16	31.22
			For >1,000, Deduct	-4.51	
33 41 16 13-0070			<b>Perforated Vitrified Clay Drainage Piping, C700</b> <small>(33 41 16 13)</small>		
33 41 16 13-0071	LF		4" Perforated Vitrified Clay Drainage Pipe .....	33.15	18.74
33 41 16 13-0072	LF		6" Perforated Vitrified Clay Drainage Pipe .....	39.17	21.09
33 41 16 13-0073	LF		8" Perforated Vitrified Clay Drainage Pipe .....	43.68	21.09
33 41 16 13-0074	LF		10" Perforated Vitrified Clay Drainage Pipe .....	57.72	25.78

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 41 16 13-0075	LF	12" Perforated Vitrified Clay Drainage Pipe.....	67.77	28.12
<b>33 41 16 13-0076 Geotextile Filter Fabric Sock (33 41 16 13)</b>				
33 41 16 13-0077	LF	3" Geotextile Filter Fabric Sock .....	1.01	
33 41 16 13-0078	LF	4" Geotextile Filter Fabric Sock .....	1.33	
33 41 16 13-0079	LF	6" Geotextile Filter Fabric Sock .....	2.03	
33 41 16 13-0080	LF	8" Geotextile Filter Fabric Sock .....	2.73	
33 41 16 13-0081	LF	10" Geotextile Filter Fabric Sock .....	3.98	
33 41 16 13-0082	LF	12" Geotextile Filter Fabric Sock .....	5.39	
33 41 16 13-0083	LF	15" Geotextile Filter Fabric Sock .....	6.36	
<b>33 41 16 13-0084 Strip-Perforated, Galvanized, Corrugated Steel Pipe (33 41 16 13)</b>				
Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0085	LF	6" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	29.23	8.04
		<i>For Full Perforated, Add</i>	1.32	
33 41 16 13-0086	LF	8" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	36.82	9.74
		<i>For Full Perforated, Add</i>	1.73	
33 41 16 13-0087	LF	10" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	46.46	12.36
		<i>For Full Perforated, Add</i>	2.17	
33 41 16 13-0088	LF	12" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	51.96	14.61
		<i>For Full Perforated, Add</i>	2.27	
33 41 16 13-0089	LF	15" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	58.82	15.12
		<i>For Full Perforated, Add</i>	2.86	
33 41 16 13-0090	LF	18" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	65.86	15.68
		<i>For Full Perforated, Add</i>	3.45	
33 41 16 13-0091	LF	21" Diameter, 16 Gauge, Strip-Perforated, Galvanized, Corrugated Steel Pipe .....	74.90	16.91
		<i>For Full Perforated, Add</i>	4.11	
<b>33 41 16 13-0092 Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe (33 41 16 13)</b>				
Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0093	LF	6" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	31.34	8.04
		<i>For Full Perforated, Add</i>	1.53	
33 41 16 13-0094	LF	8" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	39.69	9.74
		<i>For Full Perforated, Add</i>	2.02	
33 41 16 13-0095	LF	10" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	49.97	12.36
		<i>For Full Perforated, Add</i>	2.53	
33 41 16 13-0096	LF	12" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	55.37	14.61
		<i>For Full Perforated, Add</i>	2.62	
33 41 16 13-0097	LF	15" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	63.03	15.12
		<i>For Full Perforated, Add</i>	3.28	
33 41 16 13-0098	LF	18" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	70.86	15.68
		<i>For Full Perforated, Add</i>	3.95	
33 41 16 13-0099	LF	21" Diameter, 16 Gauge, Strip-Perforated, Aluminized Type 2, Corrugated Steel Pipe .....	80.72	16.91
		<i>For Full Perforated, Add</i>	4.69	
<b>33 41 16 13-0100 Strip-Perforated, Corrugated Aluminum Pipe (33 41 16 13)</b>				
Note: Perforations are located in the bottom quarter points of the pipe.				
33 41 16 13-0101	LF	6" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	32.03	8.04
		<i>For Full Perforated, Add</i>	1.60	
33 41 16 13-0102	LF	8" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	40.57	9.74
		<i>For Full Perforated, Add</i>	2.11	
33 41 16 13-0103	LF	10" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	51.09	12.36
		<i>For Full Perforated, Add</i>	2.64	
33 41 16 13-0104	LF	12" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	63.77	14.61
		<i>For Full Perforated, Add</i>	3.46	
33 41 16 13-0105	LF	15" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	73.48	15.12
		<i>For Full Perforated, Add</i>	4.32	
33 41 16 13-0106	LF	18" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	83.53	15.68
		<i>For Full Perforated, Add</i>	5.22	
33 41 16 13-0107	LF	21" Diameter, 16 Gauge, Strip-Perforated, Corrugated Aluminum Pipe .....	95.50	16.91
		<i>For Full Perforated, Add</i>	6.17	
<b>33 41 16 13-0108 Prefabricated Composite Drains (33 41 16 13)</b>				
<b>33 41 16 13-0109 Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE) (33 41 16 13-0108)</b>				
Note: Excludes excavation and backfill. See CSI section 31 23 16 13-0000 for excavation and backfill.				
33 41 16 13-0110	LF	12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	12.80	2.98
		<i>For External Typar Geotextile Wrap, Add</i>	2.15	
33 41 16 13-0111	EA	Coupler For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	57.59	
33 41 16 13-0112	EA	End Cap For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	57.59	
33 41 16 13-0113	EA	Side Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	107.46	
33 41 16 13-0114	EA	End Outlet For 12" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	107.46	
33 41 16 13-0115	LF	18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	20.10	3.73
		<i>For External Typar Geotextile Wrap, Add</i>	3.23	
33 41 16 13-0116	EA	Coupler For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	83.19	
33 41 16 13-0117	EA	End Cap For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	83.19	
33 41 16 13-0118	EA	Side Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	139.82	
33 41 16 13-0119	EA	End Outlet For 18" Height, Panel-Shaped, Oblong Corrugated HDPE Drainage Pipe (ADS AdvanEDGE).....	139.82	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 42 Stormwater Conveyance** (33 40)

Note: Piping includes hydrostatic testing, disinfecting and warning tape. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 42 11 Stormwater Gravity Piping** (33 42)**33 42 11 00-0001 Reinforced Concrete Piping** (33 42 11)

Note: Includes detectable tracer wire.

**33 42 11 00-0002 Class 3 Reinforced Concrete Pipe Without Gaskets** (33 42 11 00-0001)

33 42 11 00-0003	LF 12" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	60.97	22.50
	For >1,000, Deduct	-3.05	
	For Class 4, Add	2.74	
	For Class 5, Add	5.77	
33 42 11 00-0004	LF 15" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	72.68	25.03
	For >1,000, Deduct	-3.63	
	For Class 4, Add	3.51	
	For Class 5, Add	7.38	
33 42 11 00-0005	LF 18" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	83.42	31.22
	For >1,000, Deduct	-4.17	
	For Class 4, Add	3.69	
	For Class 5, Add	7.77	
33 42 11 00-0006	LF 21" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	106.71	39.37
	For >1,000, Deduct	-5.34	
	For Class 4, Add	4.79	
	For Class 5, Add	10.09	
33 42 11 00-0007	LF 24" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	125.40	47.80
	For >1,000, Deduct	-6.27	
	For Class 4, Add	5.42	
	For Class 5, Add	11.42	
33 42 11 00-0008	LF 27" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	156.55	59.14
	For >1,000, Deduct	-7.83	
	For Class 4, Add	6.85	
	For Class 5, Add	14.41	
33 42 11 00-0009	LF 30" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	166.22	61.06
	For >1,000, Deduct	-8.31	
	For Class 4, Add	7.41	
	For Class 5, Add	15.59	
33 42 11 00-0010	LF 36" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	203.84	69.39
	For >1,000, Deduct	-10.19	
	For Class 4, Add	10.04	
	For Class 5, Add	21.14	
33 42 11 00-0011	LF 42" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	260.95	76.33
	For >1,000, Deduct	-13.05	
	For Class 4, Add	14.53	
	For Class 5, Add	30.59	
33 42 11 00-0012	LF 48" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	311.18	85.01
	For >1,000, Deduct	-15.56	
	For Class 4, Add	18.03	
	For Class 5, Add	37.95	
33 42 11 00-0013	LF 54" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	385.15	97.15
	For >1,000, Deduct	-19.26	
	For Class 4, Add	23.40	
	For Class 5, Add	49.27	
33 42 11 00-0014	LF 60" Diameter Class 3 Reinforced Concrete Pipe Without Gaskets.....	463.98	112.70
	For >1,000, Deduct	-23.20	
	For Class 4, Add	28.78	
	For Class 5, Add	60.60	

**33 42 11 00-0015 HE-I Elliptical Reinforced Concrete Piping Without Gaskets** (33 42 11 00-0001)

33 42 11 00-0016	LF 12" x 18" Elliptical Reinforced Concrete Pipe Without Gaskets (15" Diameter Equivalent Round Size).....	98.19	34.50
	For >1,000, Deduct	-4.91	
	For Horizontal Elliptical - II (HE- II), Add	4.89	
	For Horizontal Elliptical - III (HE- III), Add	10.76	
	For Horizontal Elliptical - IV (HE- IV), Add	23.47	
33 42 11 00-0017	LF 14" x 23" Elliptical Reinforced Concrete Pipe Without Gaskets (18" Diameter Equivalent Round Size).....	143.32	41.52
	For >1,000, Deduct	-7.17	
	For Horizontal Elliptical - II (HE- II), Add	8.40	
	For Horizontal Elliptical - III (HE- III), Add	18.48	
	For Horizontal Elliptical - IV (HE- IV), Add	40.32	
33 42 11 00-0018	LF 19" x 30" Elliptical Reinforced Concrete Pipe Without Gaskets (24" Diameter Equivalent Round Size).....	200.76	63.59
	For >1,000, Deduct	-10.04	
	For Horizontal Elliptical - II (HE- II), Add	10.99	
	For Horizontal Elliptical - III (HE- III), Add	24.18	
	For Horizontal Elliptical - IV (HE- IV), Add	52.76	
33 42 11 00-0019	LF 22" x 34" Elliptical Reinforced Concrete Pipe Without Gaskets (27" Diameter Equivalent Round Size).....	235.24	78.65
	For >1,000, Deduct	-11.76	
	For Horizontal Elliptical - II (HE- II), Add	12.29	
	For Horizontal Elliptical - III (HE- III), Add	27.03	
	For Horizontal Elliptical - IV (HE- IV), Add	58.98	
33 42 11 00-0020	LF 24" x 38" Elliptical Reinforced Concrete Pipe Without Gaskets (30" Diameter Equivalent Round Size).....	249.39	82.18
	For >1,000, Deduct	-12.47	
	For Horizontal Elliptical - II (HE- II), Add	13.20	
	For Horizontal Elliptical - III (HE- III), Add	29.04	
	For Horizontal Elliptical - IV (HE- IV), Add	63.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0021	LF		27" x 42" Elliptical Reinforced Concrete Pipe Without Gaskets (33" Diameter Equivalent Round Size).....	284.44	86.77
			<i>For &gt;1,000, Deduct</i>	-14.22	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	16.05	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	35.31	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	77.04	
33 42 11 00-0022	LF		29" x 45" Elliptical Reinforced Concrete Pipe Without Gaskets (36" Diameter Equivalent Round Size).....	319.51	91.35
			<i>For &gt;1,000, Deduct</i>	-15.98	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	18.90	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	41.58	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	90.72	
33 42 11 00-0023	LF		34" x 53" Elliptical Reinforced Concrete Pipe Without Gaskets (42" Diameter Equivalent Round Size).....	386.75	100.52
			<i>For &gt;1,000, Deduct</i>	-19.34	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	24.32	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	53.49	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	116.71	
33 42 11 00-0024	LF		38" x 60" Elliptical Reinforced Concrete Pipe Without Gaskets (48" Diameter Equivalent Round Size).....	464.03	113.05
			<i>For &gt;1,000, Deduct</i>	-23.20	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	30.25	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	66.55	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	145.20	
33 42 11 00-0025	LF		43" x 68" Elliptical Reinforced Concrete Pipe Without Gaskets (54" Diameter Equivalent Round Size).....	528.35	129.21
			<i>For &gt;1,000, Deduct</i>	-26.42	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	34.38	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	75.63	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	165.00	
33 42 11 00-0026	LF		48" x 76" Elliptical Reinforced Concrete Pipe Without Gaskets (60" Diameter Equivalent Round Size).....	651.84	149.88
			<i>For &gt;1,000, Deduct</i>	-32.59	
			<i>For Horizontal Elliptical - II (HE- II), Add</i>	43.77	
			<i>For Horizontal Elliptical - III (HE- III), Add</i>	96.30	
			<i>For Horizontal Elliptical - IV (HE- IV), Add</i>	210.11	
33 42 11 00-0027	LF		53" x 83" Elliptical Reinforced Concrete Pipe without Gaskets (66" Diameter Equivalent Round Size).....	742.56	165.15
33 42 11 00-0028	LF		58" x 91" Elliptical Reinforced Concrete Pipe without Gaskets (72" Diameter Equivalent Round Size).....	895.78	180.42
33 42 11 00-0029	LF		63" x 98" Elliptical Reinforced Concrete Pipe without Gaskets (78" Diameter Equivalent Round Size).....	1,067.00	204.01
33 42 11 00-0030	LF		68" x 106" Elliptical Reinforced Concrete Pipe without Gaskets (84" Diameter Equivalent Round Size).....	1,156.49	226.22
33 42 11 00-0031	LF		72" x 113" Elliptical Reinforced Concrete Pipe without Gaskets (90" Diameter Equivalent Round Size).....	1,468.45	237.32
33 42 11 00-0032	LF		77" x 121" Elliptical Reinforced Concrete Pipe without Gaskets (96" Diameter Equivalent Round Size).....	1,695.41	248.43
<b>33 42 11 00-0033</b>			<b>Concrete Reducing Wye Without Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0034	EA		12" Concrete Reducing Wye Without Gaskets .....	693.41	85.71
33 42 11 00-0035	EA		15" Concrete Reducing Wye Without Gaskets .....	832.04	104.45
33 42 11 00-0036	EA		18" Concrete Reducing Wye Without Gaskets .....	1,024.42	115.17
33 42 11 00-0037	EA		21" Concrete Reducing Wye Without Gaskets .....	1,178.47	141.95
33 42 11 00-0038	EA		24" Concrete Reducing Wye Without Gaskets .....	1,334.66	171.41
<b>33 42 11 00-0039</b>			<b>Concrete Pipe Joint Gaskets (33 42 11 00-0001)</b>		
33 42 11 00-0040	EA		12" Diameter Concrete Pipe Joint Gasket .....	6.39	
33 42 11 00-0041	EA		15" Diameter Concrete Pipe Joint Gasket .....	7.56	
33 42 11 00-0042	EA		18" Diameter Concrete Pipe Joint Gasket .....	8.76	
33 42 11 00-0043	EA		21" Diameter Concrete Pipe Joint Gasket .....	10.59	
33 42 11 00-0044	EA		24" Diameter Concrete Pipe Joint Gasket .....	12.41	
33 42 11 00-0045	EA		27" Diameter Concrete Pipe Joint Gasket .....	13.83	
33 42 11 00-0046	EA		30" Diameter Concrete Pipe Joint Gasket .....	15.19	
33 42 11 00-0047	EA		36" Diameter Concrete Pipe Joint Gasket .....	18.56	
33 42 11 00-0048	EA		42" Diameter Concrete Pipe Joint Gasket .....	21.52	
33 42 11 00-0049	EA		48" Diameter Concrete Pipe Joint Gasket .....	24.82	
33 42 11 00-0050	EA		54" Diameter Concrete Pipe Joint Gasket .....	30.42	
33 42 11 00-0051	EA		60" Diameter Concrete Pipe Joint Gasket .....	45.03	
<b>33 42 11 00-0052</b>			<b>Prestressed Concrete Cylinder Piping (33 42 11)</b>		
			Note: Includes detectable tracer wire.		
<b>33 42 11 00-0053</b>			<b>150 PSI Prestressed Concrete Cylinder Pipe And Fittings (33 42 11 00-0052)</b>		
<b>33 42 11 00-0054</b>			<b>150 PSI Prestressed Concrete Cylinder Pipe With Gaskets (33 42 11 00-0053)</b>		
			Note: Lined-cylinder pipe (AWWA C301) up to 48". Embedded-cylinder pipe (AWWA C301) >48".		
33 42 11 00-0055	LF		12" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	156.34	22.50
			<i>For &gt;1,000, Deduct</i>	-7.82	
			<i>For 100 PSI, Deduct</i>	-31.05	
33 42 11 00-0056	LF		15" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	167.15	25.03
			<i>For &gt;1,000, Deduct</i>	-8.36	
			<i>For 100 PSI, Deduct</i>	-32.85	
33 42 11 00-0057	LF		18" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	183.17	31.22
			<i>For &gt;1,000, Deduct</i>	-9.16	
			<i>For 100 PSI, Deduct</i>	-34.65	
33 42 11 00-0058	LF		21" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	202.02	39.37
			<i>For &gt;1,000, Deduct</i>	-10.10	
			<i>For 100 PSI, Deduct</i>	-36.45	
33 42 11 00-0059	LF		24" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	221.27	47.80
			<i>For &gt;1,000, Deduct</i>	-11.06	
			<i>For 100 PSI, Deduct</i>	-38.24	
33 42 11 00-0060	LF		30" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	259.54	61.06
			<i>For &gt;1,000, Deduct</i>	-12.98	
			<i>For 100 PSI, Deduct</i>	-42.82	
33 42 11 00-0061	LF		36" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	287.69	69.39
			<i>For &gt;1,000, Deduct</i>	-14.38	
			<i>For 100 PSI, Deduct</i>	-47.39	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0062	LF		42" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	332.85	76.33
			<i>For &gt;1,000, Deduct</i>	-16.64	
			<i>For 100 PSI, Deduct</i>	-56.22	
33 42 11 00-0063	LF		48" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	381.61	85.01
			<i>For &gt;1,000, Deduct</i>	-19.08	
			<i>For 100 PSI, Deduct</i>	-65.04	
33 42 11 00-0064	LF		54" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	499.99	106.55
			<i>For &gt;1,000, Deduct</i>	-25.00	
			<i>For 100 PSI, Deduct</i>	-86.94	
33 42 11 00-0065	LF		60" 150 PSI Prestressed Concrete Cylinder Pipe With Gaskets.....	601.48	123.61
			<i>For &gt;1,000, Deduct</i>	-30.07	
			<i>For 100 PSI, Deduct</i>	-106.23	
<b>33 42 11 00-0066</b>			<b>150 PSI Prestressed Concrete Cylinder 90 Degree Elbows With Gaskets</b> <sup>(33)</sup>		
			<sup>42 11 00-0063</sup>		
33 42 11 00-0067	EA		12" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	588.52	210.92
33 42 11 00-0068	EA		15" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	818.34	301.31
33 42 11 00-0069	EA		18" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,058.43	401.75
33 42 11 00-0070	EA		21" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,298.52	502.18
33 42 11 00-0071	EA		24" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,582.80	624.05
33 42 11 00-0072	EA		30" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,019.05	836.97
33 42 11 00-0073	EA		36" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,465.56	971.50
33 42 11 00-0074	EA		42" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,872.41	1,133.87
33 42 11 00-0075	EA		48" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,241.08	1,294.86
33 42 11 00-0076	EA		54" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,996.07	1,616.84
33 42 11 00-0077	EA		60" 90 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	5,136.45	2,131.11
<b>33 42 11 00-0078</b>			<b>150 PSI Prestressed Concrete Cylinder 45 Degree Elbows With Gaskets</b> <sup>(33)</sup>		
			<sup>42 11 00-0063</sup>		
33 42 11 00-0079	EA		12" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	555.18	210.92
33 42 11 00-0080	EA		15" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	775.20	301.31
33 42 11 00-0081	EA		18" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,007.44	401.75
33 42 11 00-0082	EA		21" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,239.69	502.18
33 42 11 00-0083	EA		24" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,516.12	624.05
33 42 11 00-0084	EA		30" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	1,927.53	780.72
33 42 11 00-0085	EA		36" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,360.97	971.50
33 42 11 00-0086	EA		42" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	2,751.48	1,133.87
33 42 11 00-0087	EA		48" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,111.00	1,294.86
33 42 11 00-0088	EA		54" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	3,801.95	1,616.84
33 42 11 00-0089	EA		60" 45 Degree Elbows With Gaskets, 150 PSI Prestressed Concrete Cylinder Piping.....	4,960.37	2,131.11
<b>33 42 11 00-0090</b>			<b>400 PSI Prestressed Concrete Cylinder Pipe With Regular Joints</b> <sup>(33 42 11 00-0090)</sup>		
<b>33 42 11 00-0091</b>			<b>400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints</b> <sup>(33 42 11 00-0090)</sup>		
			Note: AWWA C301		
33 42 11 00-0092	LF		30" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	302.53	61.06
			<i>For &gt;1,000, Deduct</i>	-15.13	
33 42 11 00-0093	LF		36" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	367.08	69.39
			<i>For &gt;1,000, Deduct</i>	-18.35	
33 42 11 00-0094	LF		42" 400 PSI Lined Prestressed Concrete Cylinder Pipe With Regular Joints.....	427.10	76.33
			<i>For &gt;1,000, Deduct</i>	-21.36	
<b>33 42 11 00-0095</b>			<b>400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints</b> <sup>(33 42 11 00-0090)</sup>		
			Note: AWWA C301		
33 42 11 00-0096	LF		48" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	570.92	84.94
			<i>For &gt;1,000, Deduct</i>	-28.55	
33 42 11 00-0097	LF		54" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	681.69	106.55
			<i>For &gt;1,000, Deduct</i>	-34.08	
33 42 11 00-0098	LF		60" 400 PSI Embedded Prestressed Concrete Cylinder Pipe With Regular Joints.....	786.04	123.61
			<i>For &gt;1,000, Deduct</i>	-39.30	
<b>33 42 11 00-0099</b>			<b>Welded Joints For Prestressed Concrete Cylinder Pipe</b> <sup>(33 42 11 00-0090)</sup>		
			Note: All pipe joints to be exposed and dewatered. Internal joint welding also requires joints to be ventilated and air quality checked.		
33 42 11 00-0100	EA		30" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,694.57	
33 42 11 00-0101	EA		36" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,894.17	
33 42 11 00-0102	EA		42" Welded Joint For Prestressed Concrete Cylinder Pipe.....	2,993.97	
33 42 11 00-0103	EA		48" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,393.17	
33 42 11 00-0104	EA		54" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,492.97	
33 42 11 00-0105	EA		60" Welded Joint For Prestressed Concrete Cylinder Pipe.....	3,692.57	
<b>33 42 11 00-0106</b>			<b>Quick Test Joints</b> <sup>(33 42 11 00-0090)</sup>		
33 42 11 00-0107	EA		30" Quick Test Joint.....	653.31	
33 42 11 00-0108	EA		36" Quick Test Joint.....	660.25	
33 42 11 00-0109	EA		42" Quick Test Joint.....	667.19	
33 42 11 00-0110	EA		48" Quick Test Joint.....	681.59	
33 42 11 00-0111	EA		54" Quick Test Joint.....	711.91	
33 42 11 00-0112	EA		60" Quick Test Joint.....	739.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0113			<b>Harnessed Joints</b> (33 42 11 00-0090)		
33 42 11 00-0114			<b>Harness Clamp Restrained Joints</b> (33 42 11 00-0113)		
33 42 11 00-0115	EA		30" Harness Clamp Restrained Joint.....	9,291.88	
33 42 11 00-0116	EA		36" Harness Clamp Restrained Joint.....	9,651.93	
33 42 11 00-0117	EA		42" Harness Clamp Restrained Joint.....	10,011.98	
33 42 11 00-0118	EA		48" Harness Clamp Restrained Joint.....	10,372.02	
33 42 11 00-0119	EA		54" Harness Clamp Restrained Joint.....	10,745.51	
33 42 11 00-0120	EA		60" Harness Clamp Restrained Joint.....	11,290.40	
33 42 11 00-0121			<b>Snap Ring Restrained Joints</b> (33 42 11 00-0113)		
33 42 11 00-0122	EA		30" Snap Ring Restrained Joint.....	1,523.47	
33 42 11 00-0123	EA		36" Snap Ring Restrained Joint.....	1,742.27	
33 42 11 00-0124	EA		42" Snap Ring Restrained Joint.....	2,349.50	
33 42 11 00-0125	EA		48" Snap Ring Restrained Joint.....	2,674.23	
33 42 11 00-0126	EA		54" Snap Ring Restrained Joint.....	3,012.41	
33 42 11 00-0127	EA		60" Snap Ring Restrained Joint.....	3,416.05	
33 42 11 00-0128			<b>Pipe Repairs</b> (33 42 11 00-0090) Note: For repair of damaged or defective lined or embedded cylinder concrete pipe. Includes 2 concrete adapters, MJDI sleeve, 20' pipe.		
33 42 11 00-0129			<b>Lined Cylinder Pipe Repair</b> (33 42 11 00-0128)		
33 42 11 00-0130	EA		30" Lined Cylinder Pipe Repair.....	6,457.68	
33 42 11 00-0131	EA		36" Lined Cylinder Pipe Repair.....	7,973.69	
33 42 11 00-0132	EA		42" Lined Cylinder Pipe Repair.....	11,775.51	
33 42 11 00-0133			<b>Embedded Cylinder Pipe Repair</b> (33 42 11 00-0128) Note: Field welded concrete enclosure assembly with concrete pipe.		
33 42 11 00-0134	EA		48" Embedded Cylinder Pipe Repair.....	17,287.54	
33 42 11 00-0135	EA		54" Embedded Cylinder Pipe Repair.....	20,041.06	
33 42 11 00-0136	EA		60" Embedded Cylinder Pipe Repair.....	22,817.91	
33 42 11 00-0137			<b>High Density Polyethylene (HDPE) Drainage Piping</b> (33 42 11) Note: Includes detectable tracer wire.		
33 42 11 00-0138			<b>Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> (33 42 11 00-0137) Note: Excludes couplings and gaskets.		
33 42 11 00-0139			<b>Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> (33 42 11 00-0138)		
33 42 11 00-0140	LF		4" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	20.05	8.97
			For <100, Add	3.59	
			For >1,000, Deduct	-1.90	
33 42 11 00-0141	LF		6" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	26.23	10.43
			For <100, Add	4.17	
			For >1,000, Deduct	-2.35	
33 42 11 00-0142	LF		8" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	32.29	12.13
			For <100, Add	4.65	
			For >1,000, Deduct	-2.83	
33 42 11 00-0143	LF		10" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	36.70	12.55
			For <100, Add	5.02	
			For >1,000, Deduct	-3.09	
33 42 11 00-0144	LF		12" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.58	13.00
			For <100, Add	5.20	
			For >1,000, Deduct	-3.23	
33 42 11 00-0145	LF		15" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	43.81	13.45
			For <100, Add	5.38	
			For >1,000, Deduct	-3.54	
33 42 11 00-0146	LF		18" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	53.09	13.95
			For <100, Add	5.58	
			For >1,000, Deduct	-4.05	
33 42 11 00-0147	LF		24" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	72.81	16.34
			For <100, Add	6.54	
			For >1,000, Deduct	-5.28	
33 42 11 00-0148	LF		30" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	103.26	22.00
			For <100, Add	8.80	
			For >1,000, Deduct	-7.36	
33 42 11 00-0149	LF		36" Coupled, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	135.72	27.81
			For <100, Add	11.12	
			For >1,000, Deduct	-9.57	
33 42 11 00-0150			<b>Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> (33 42 11 00-0138)		
33 42 11 00-0151	LF		12" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	38.36	13.00
			For <100, Add	5.20	
			For >1,000, Deduct	-3.22	
33 42 11 00-0152	LF		15" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe.....	44.70	13.45
			For <100, Add	5.38	
			For >1,000, Deduct	-3.58	

**33 Utilities**

**33 40 Stormwater Utilities**

**33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0153	LF		18" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	54.42	13.95
			<i>For &lt;100, Add</i>	5.58	
			<i>For &gt;1,000, Deduct</i>	-4.12	
33 42 11 00-0154	LF		24" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	74.92	16.34
			<i>For &lt;100, Add</i>	6.54	
			<i>For &gt;1,000, Deduct</i>	-5.38	
33 42 11 00-0155	LF		30" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	109.04	22.00
			<i>For &lt;100, Add</i>	8.80	
			<i>For &gt;1,000, Deduct</i>	-7.65	
33 42 11 00-0156	LF		36" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	140.02	27.81
			<i>For &lt;100, Add</i>	11.12	
			<i>For &gt;1,000, Deduct</i>	-9.78	
33 42 11 00-0157	LF		42" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	182.53	30.33
			<i>For &lt;100, Add</i>	12.13	
			<i>For &gt;1,000, Deduct</i>	-12.16	
33 42 11 00-0158	LF		48" Bell And Spigot, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	199.04	34.22
			<i>For &lt;100, Add</i>	13.69	
			<i>For &gt;1,000, Deduct</i>	-13.37	
33 42 11 00-0159			<b>Perforated, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0137)</small>		
			Note: Excludes couplings and gaskets.		
33 42 11 00-0160			<b>Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0159)</small>		
33 42 11 00-0161	LF		4" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	21.16	8.97
			<i>For &lt;100, Add</i>	3.59	
			<i>For &gt;1,000, Deduct</i>	-1.96	
33 42 11 00-0162	LF		6" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	26.27	10.43
			<i>For &lt;100, Add</i>	4.17	
			<i>For &gt;1,000, Deduct</i>	-2.36	
33 42 11 00-0163	LF		8" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	32.29	12.13
			<i>For &lt;100, Add</i>	4.85	
			<i>For &gt;1,000, Deduct</i>	-2.83	
33 42 11 00-0164	LF		10" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	36.74	12.55
			<i>For &lt;100, Add</i>	5.02	
			<i>For &gt;1,000, Deduct</i>	-3.09	
33 42 11 00-0165	LF		12" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	38.58	13.00
			<i>For &lt;100, Add</i>	5.20	
			<i>For &gt;1,000, Deduct</i>	-3.23	
33 42 11 00-0166	LF		15" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	43.85	13.45
			<i>For &lt;100, Add</i>	5.38	
			<i>For &gt;1,000, Deduct</i>	-3.54	
33 42 11 00-0167	LF		18" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	53.13	13.95
			<i>For &lt;100, Add</i>	5.58	
			<i>For &gt;1,000, Deduct</i>	-4.05	
33 42 11 00-0168	LF		24" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	72.81	16.34
			<i>For &lt;100, Add</i>	6.54	
			<i>For &gt;1,000, Deduct</i>	-5.28	
33 42 11 00-0169	LF		30" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	103.63	22.00
			<i>For &lt;100, Add</i>	8.80	
			<i>For &gt;1,000, Deduct</i>	-7.38	
33 42 11 00-0170	LF		36" Coupled, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	135.72	27.81
			<i>For &lt;100, Add</i>	11.12	
			<i>For &gt;1,000, Deduct</i>	-9.57	
33 42 11 00-0171			<b>Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Piping</b> <small>(33 42 11 00-0159)</small>		
33 42 11 00-0172	LF		12" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	38.40	13.00
			<i>For &lt;100, Add</i>	5.20	
			<i>For &gt;1,000, Deduct</i>	-3.22	
33 42 11 00-0173	LF		15" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	44.74	13.45
			<i>For &lt;100, Add</i>	5.38	
			<i>For &gt;1,000, Deduct</i>	-3.58	
33 42 11 00-0174	LF		18" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	54.46	13.95
			<i>For &lt;100, Add</i>	5.58	
			<i>For &gt;1,000, Deduct</i>	-4.12	
33 42 11 00-0175	LF		24" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	74.92	16.34
			<i>For &lt;100, Add</i>	6.54	
			<i>For &gt;1,000, Deduct</i>	-5.38	
33 42 11 00-0176	LF		30" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	109.04	22.00
			<i>For &lt;100, Add</i>	8.80	
			<i>For &gt;1,000, Deduct</i>	-7.65	
33 42 11 00-0177	LF		36" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	140.02	27.81
			<i>For &lt;100, Add</i>	11.12	
			<i>For &gt;1,000, Deduct</i>	-9.78	
33 42 11 00-0178	LF		42" Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe .....	182.53	30.33
			<i>For &lt;100, Add</i>	12.13	
			<i>For &gt;1,000, Deduct</i>	-12.16	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0179	LF	48"	Pipe	Bell And Spigot, Perforated, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	199.04	34.22
				For <100, Add	13.69	
				For >1,000, Deduct	-13.37	

**33 42 11 00-0180 Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE) Pipe Fittings** (33 42 11 00-0137)  
 Note: Excludes couplings and gaskets.

**33 42 11 00-0181 Tees, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)** (33 42 11 00-0180)

33 42 11 00-0182	EA	4"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	85.58	32.17
33 42 11 00-0183	EA	6"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	107.42	37.54
33 42 11 00-0184	EA	8"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	172.87	45.59
33 42 11 00-0185	EA	10"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	263.20	56.31
33 42 11 00-0186	EA	12"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	414.46	67.04
33 42 11 00-0187	EA	15"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	584.71	87.59
33 42 11 00-0188	EA	18"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	840.59	117.97
33 42 11 00-0189	EA	24"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,076.68	134.66
33 42 11 00-0190	EA	30"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,878.30	155.51
33 42 11 00-0191	EA	36"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,411.59	179.65
33 42 11 00-0192	EA	42"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	4,011.54	214.50
33 42 11 00-0193	EA	48"	Tee	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	5,034.60	254.72

**33 42 11 00-0194 Wyes, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)** (33 42 11 00-0180)

33 42 11 00-0195	EA	4"	Wye	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	124.85	32.17
33 42 11 00-0196	EA	6"	Wye	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	150.52	37.54
33 42 11 00-0197	EA	8"	Wye	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	200.08	45.59
33 42 11 00-0198	EA	10"	Wye	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	293.19	56.31
33 42 11 00-0199	EA	12"	Wye	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	510.96	67.04
33 42 11 00-0200	EA	15"	Wye	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	555.11	87.59
33 42 11 00-0201	EA	18"	Wye	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	783.00	117.97

**33 42 11 00-0202 22-1/2 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)** (33 42 11 00-0180)

33 42 11 00-0203	EA	4"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	52.13	21.45
33 42 11 00-0204	EA	6"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	64.26	25.03
33 42 11 00-0205	EA	8"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	93.48	30.39
33 42 11 00-0206	EA	10"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	117.61	37.54
33 42 11 00-0207	EA	12"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	170.19	44.69
33 42 11 00-0208	EA	15"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	268.25	57.20
33 42 11 00-0209	EA	18"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	355.65	78.66
33 42 11 00-0210	EA	24"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	672.25	89.37
33 42 11 00-0211	EA	30"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	933.13	103.67
33 42 11 00-0212	EA	36"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,093.44	119.76
33 42 11 00-0213	EA	42"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,396.91	143.00
33 42 11 00-0214	EA	48"	22-1/2 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,887.38	169.81

**33 42 11 00-0215 45 Degree Bends, Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)** (33 42 11 00-0180)

33 42 11 00-0216	EA	4"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	56.42	21.45
33 42 11 00-0217	EA	6"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	73.21	25.03
33 42 11 00-0218	EA	8"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	98.05	30.39
33 42 11 00-0219	EA	10"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	154.79	37.54
33 42 11 00-0220	EA	12"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	170.19	44.69
33 42 11 00-0221	EA	15"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	267.51	57.20
33 42 11 00-0222	EA	18"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	415.61	78.66
33 42 11 00-0223	EA	24"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	718.57	89.37
33 42 11 00-0224	EA	30"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	935.33	103.67
33 42 11 00-0225	EA	36"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,193.27	119.76
33 42 11 00-0226	EA	42"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	1,782.21	143.00
33 42 11 00-0227	EA	48"	45 Degree Bend	Smooth Interior, Double Wall, Corrugated High Density Polyethylene (HDPE)	2,232.72	169.81

**33 42 11 00-0228 Couplings And End Caps, Corrugated High Density Polyethylene (HDPE) Pipe Fittings** (33 42 11 00-0137)

Note: For single and double wall high density polyethylene (HDPE) piping.

**33 42 11 00-0229 Couplings, Corrugated High Density Polyethylene (HDPE) Pipe** (33 42 11 00-0228)

33 42 11 00-0230	EA	4"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	2.56	
33 42 11 00-0231	EA	6"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	4.60	
33 42 11 00-0232	EA	8"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	7.08	
33 42 11 00-0233	EA	10"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	8.70	
33 42 11 00-0234	EA	12"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	9.36	
33 42 11 00-0235	EA	15"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	13.33	
33 42 11 00-0236	EA	18"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	19.72	
33 42 11 00-0237	EA	24"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	31.39	
33 42 11 00-0238	EA	30"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	48.19	
33 42 11 00-0239	EA	36"	Coupling	Corrugated High Density Polyethylene (HDPE) Pipe	63.06	



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0240	EA		42" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	99.14	
33 42 11 00-0241	EA		48" Coupling, Corrugated High Density Polyethylene (HDPE) Pipe .....	134.09	
<b>33 42 11 00-0242</b>			<b>Self Adhering Gaskets, Corrugated High Density Polyethylene (HDPE) Pipe</b> <i>(33 42 11 00-0228)</i>		
33 42 11 00-0243	EA		4" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	135.77	
33 42 11 00-0244	EA		6" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	142.16	
33 42 11 00-0245	EA		8" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	148.85	
33 42 11 00-0246	EA		10" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	155.84	
33 42 11 00-0247	EA		12" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	184.84	
33 42 11 00-0248	EA		15" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	190.85	
33 42 11 00-0249	EA		18" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	199.05	
33 42 11 00-0250	EA		24" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	226.73	
33 42 11 00-0251	EA		30" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	363.46	
33 42 11 00-0252	EA		36" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	398.10	
33 42 11 00-0253	EA		42" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	433.77	
33 42 11 00-0254	EA		48" Self Adhering Gasket, Corrugated High Density Polyethylene (HDPE) Pipe.....	526.82	
<b>33 42 11 00-0255</b>			<b>End Caps, Corrugated High Density Polyethylene (HDPE) Pipe</b> <i>(33 42 11 00-0228)</i>		
33 42 11 00-0256	EA		6" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	39.22	
33 42 11 00-0257	EA		8" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	45.51	
33 42 11 00-0258	EA		10" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	70.61	
33 42 11 00-0259	EA		12" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	116.43	
33 42 11 00-0260	EA		15" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	134.89	
33 42 11 00-0261	EA		18" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	180.56	
33 42 11 00-0262	EA		24" End Cap For Corrugated High Density Polyethylene (HDPE) Pipe .....	187.88	
<b>33 42 11 00-0263</b>			<b>Vitrified Clay Piping</b> <i>(33 42 11)</i>		
<b>33 42 11 00-0264</b>			<b>Extra Strength Vitrified Clay Piping</b> <i>(33 42 11 00-0263)</i>		
<b>33 42 11 00-0265</b>			<b>Plain Joint, Extra Strength, Vitrified Clay Piping</b> <i>(33 42 11 00-0264)</i> Note: ASTM C700.		
33 42 11 00-0266	LF		4" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	26.14	
			<i>For 3' Lengths, Add</i>	1.93	
			<i>For 2' Lengths, Add</i>	2.57	
			<i>For Standard Strength, Deduct</i>	-0.64	
			<i>For &gt;1,000, Deduct</i>	-1.31	
33 42 11 00-0267	LF		6" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	43.57	
			<i>For 3' Lengths, Add</i>	2.99	
			<i>For 2' Lengths, Add</i>	3.99	
			<i>For Standard Strength, Deduct</i>	-1.00	
			<i>For &gt;1,000, Deduct</i>	-2.18	
33 42 11 00-0268	LF		8" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	51.60	
			<i>For 3' Lengths, Add</i>	4.28	
			<i>For 2' Lengths, Add</i>	5.71	
			<i>For Standard Strength, Deduct</i>	-1.43	
			<i>For &gt;1,000, Deduct</i>	-2.58	
33 42 11 00-0269	LF		10" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	61.00	
			<i>For 3' Lengths, Add</i>	6.56	
			<i>For 2' Lengths, Add</i>	8.74	
			<i>For Standard Strength, Deduct</i>	-2.19	
			<i>For &gt;1,000, Deduct</i>	-3.05	
33 42 11 00-0270	LF		12" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	73.56	
			<i>For 3' Lengths, Add</i>	9.26	
			<i>For 2' Lengths, Add</i>	12.34	
			<i>For Standard Strength, Deduct</i>	-3.09	
			<i>For &gt;1,000, Deduct</i>	-3.68	
33 42 11 00-0271	LF		15" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	105.35	
			<i>For 3' Lengths, Add</i>	17.35	
			<i>For 2' Lengths, Add</i>	23.14	
			<i>For Standard Strength, Deduct</i>	-5.78	
			<i>For &gt;1,000, Deduct</i>	-5.27	
33 42 11 00-0272	LF		18" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	142.15	
			<i>For 3' Lengths, Add</i>	24.87	
			<i>For 2' Lengths, Add</i>	33.16	
			<i>For Standard Strength, Deduct</i>	-8.29	
			<i>For &gt;1,000, Deduct</i>	-7.11	
33 42 11 00-0273	LF		21" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	207.54	
			<i>For 3' Lengths, Add</i>	39.84	
			<i>For 2' Lengths, Add</i>	53.12	
			<i>For Standard Strength, Deduct</i>	-13.28	
			<i>For &gt;1,000, Deduct</i>	-10.38	
33 42 11 00-0274	LF		24" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	264.26	
			<i>For 3' Lengths, Add</i>	52.05	
			<i>For 2' Lengths, Add</i>	69.40	
			<i>For Standard Strength, Deduct</i>	-17.35	
			<i>For &gt;1,000, Deduct</i>	-13.21	
33 42 11 00-0275	LF		30" Plain Joint, Extra Strength, Vitrified Clay Pipe .....	326.53	
			<i>For 3' Lengths, Add</i>	64.91	
			<i>For 2' Lengths, Add</i>	86.54	
			<i>For Standard Strength, Deduct</i>	-21.64	
			<i>For &gt;1,000, Deduct</i>	-16.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-0276	LF	36" Plain Joint, Extra Strength, Vitrified Clay Pipe.....	395.14	
		For 3' Lengths, Add	78.40	
		For 2' Lengths, Add	104.54	
		For Standard Strength, Deduct	-26.13	
		For >1,000, Deduct	-19.76	

**33 42 11 00-0277**      **Compression Joint, Extra Strength, Vitrified Clay Piping** (33 42 11 00-0264)  
 Note: ASTM C425.

33 42 11 00-0278	LF	4" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	37.44	
		For 3' Lengths, Add	2.27	
		For 2' Lengths, Add	3.03	
		For Standard Strength, Deduct	-0.76	
		For >1,000, Deduct	-1.87	
33 42 11 00-0279	LF	6" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	45.97	
		For 3' Lengths, Add	3.71	
		For 2' Lengths, Add	4.95	
		For Standard Strength, Deduct	-1.24	
		For >1,000, Deduct	-2.30	
33 42 11 00-0280	LF	8" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	54.81	
		For 3' Lengths, Add	5.24	
		For 2' Lengths, Add	6.99	
		For Standard Strength, Deduct	-1.75	
		For >1,000, Deduct	-2.74	
33 42 11 00-0281	LF	10" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	67.85	
		For 3' Lengths, Add	8.61	
		For 2' Lengths, Add	11.48	
		For Standard Strength, Deduct	-2.87	
		For >1,000, Deduct	-3.39	
33 42 11 00-0282	LF	12" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	80.41	
		For 3' Lengths, Add	11.31	
		For 2' Lengths, Add	15.08	
		For Standard Strength, Deduct	-3.77	
		For >1,000, Deduct	-4.02	
33 42 11 00-0283	LF	15" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	116.27	
		For 3' Lengths, Add	20.63	
		For 2' Lengths, Add	27.50	
		For Standard Strength, Deduct	-6.88	
		For >1,000, Deduct	-5.81	
33 42 11 00-0284	LF	18" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	159.93	
		For 3' Lengths, Add	30.20	
		For 2' Lengths, Add	40.27	
		For Standard Strength, Deduct	-10.07	
		For >1,000, Deduct	-8.00	
33 42 11 00-0285	LF	21" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	227.89	
		For 3' Lengths, Add	45.95	
		For 2' Lengths, Add	61.26	
		For Standard Strength, Deduct	-15.32	
		For >1,000, Deduct	-11.39	
33 42 11 00-0286	LF	24" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	296.39	
		For 3' Lengths, Add	61.69	
		For 2' Lengths, Add	82.26	
		For Standard Strength, Deduct	-20.56	
		For >1,000, Deduct	-14.82	
33 42 11 00-0287	LF	30" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	467.91	
		For 3' Lengths, Add	107.32	
		For 2' Lengths, Add	143.09	
		For Standard Strength, Deduct	-35.77	
		For >1,000, Deduct	-23.40	
33 42 11 00-0288	LF	36" Compression Joint, Extra Strength, Vitrified Clay Pipe.....	660.76	
		For 3' Lengths, Add	158.09	
		For 2' Lengths, Add	210.78	
		For Standard Strength, Deduct	-52.70	
		For >1,000, Deduct	-33.04	

**33 42 11 00-0289**      **Extra Strength, Vitrified Clay Pipe Fittings** (33 42 11 00-0263)

**33 42 11 00-0290**      **1/8 Bends, Extra Strength, Vitrified Clay** (33 42 11 00-0289)

**33 42 11 00-0291**      **Plain End 1/8 Bend, Extra Strength, Vitrified Clay** (33 42 11 00-0290)

33 42 11 00-0292	EA	4" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	104.99	
33 42 11 00-0293	EA	6" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	140.17	
33 42 11 00-0294	EA	8" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	196.87	
33 42 11 00-0295	EA	10" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	266.61	
33 42 11 00-0296	EA	12" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	348.86	
33 42 11 00-0297	EA	15" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	808.05	
33 42 11 00-0298	EA	18" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,136.13	
33 42 11 00-0299	EA	21" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	1,764.50	
33 42 11 00-0300	EA	24" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,038.57	
33 42 11 00-0301	EA	30" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	2,370.85	
33 42 11 00-0302	EA	36" Plain End 1/8 Bend, Extra Strength, Vitrified Clay.....	3,536.48	

**33 42 11 00-0303**      **Compression Joint 1/8 Bends, Extra Strength, Vitrified Clay** (33 42 11 00-0290)

33 42 11 00-0304	EA	4" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	119.46	
33 42 11 00-0305	EA	6" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	166.98	
33 42 11 00-0306	EA	8" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	223.23	
33 42 11 00-0307	EA	10" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	295.03	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0308	EA		12" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	371.49	
33 42 11 00-0309	EA		15" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	908.19	
33 42 11 00-0310	EA		18" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,315.77	
33 42 11 00-0311	EA		21" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	1,360.35	
33 42 11 00-0312	EA		24" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,607.26	
33 42 11 00-0313	EA		30" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	2,910.40	
33 42 11 00-0314	EA		36" Compression Joint 1/8 Bend, Extra Strength, Vitrified Clay.....	4,298.67	
<b>33 42 11 00-0315</b>			<b>1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0289)</b>		
<b>33 42 11 00-0316</b>			<b>Plain End 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0315)</b>		
33 42 11 00-0317	EA		4" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	124.70	
33 42 11 00-0318	EA		6" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	163.90	
33 42 11 00-0319	EA		8" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	224.65	
33 42 11 00-0320	EA		10" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	296.93	
33 42 11 00-0321	EA		12" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	383.02	
33 42 11 00-0322	EA		15" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	846.07	
33 42 11 00-0323	EA		18" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,183.53	
33 42 11 00-0324	EA		21" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	1,824.28	
33 42 11 00-0325	EA		24" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,111.16	
33 42 11 00-0326	EA		30" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	2,461.38	
33 42 11 00-0327	EA		36" Plain End 1/4 Bend, Extra Strength, Vitrified Clay.....	3,637.12	
<b>33 42 11 00-0328</b>			<b>Compression Joint 1/4 Bends, Extra Strength, Vitrified Clay (33 42 11 00-0315)</b>		
33 42 11 00-0329	EA		4" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	143.11	
33 42 11 00-0330	EA		6" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	195.45	
33 42 11 00-0331	EA		8" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	256.56	
33 42 11 00-0332	EA		10" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	331.41	
33 42 11 00-0333	EA		12" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	412.48	
33 42 11 00-0334	EA		15" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	953.80	
33 42 11 00-0335	EA		18" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	1,372.65	
33 42 11 00-0336	EA		21" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,632.88	
33 42 11 00-0337	EA		24" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	2,694.37	
33 42 11 00-0338	EA		30" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	3,019.03	
33 42 11 00-0339	EA		36" Compression Joint 1/4 Bend, Extra Strength, Vitrified Clay.....	4,419.43	
<b>33 42 11 00-0340</b>			<b>Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0289)</b>		
<b>33 42 11 00-0341</b>			<b>Plain End Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0340)</b>		
33 42 11 00-0342	EA		4" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	139.31	
33 42 11 00-0343	EA		6" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	179.95	
33 42 11 00-0344	EA		8" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	240.24	
33 42 11 00-0345	EA		10" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	312.13	
33 42 11 00-0346	EA		12" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	390.49	
33 42 11 00-0347	EA		15" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	861.75	
33 42 11 00-0348	EA		18" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,200.22	
33 42 11 00-0349	EA		21" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,725.56	
33 42 11 00-0350	EA		24" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,390.80	
33 42 11 00-0351	EA		30" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,543.85	
33 42 11 00-0352	EA		36" Plain End Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,629.42	
<b>33 42 11 00-0353</b>			<b>Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay (33 42 11 00-0340)</b>		
33 42 11 00-0354	EA		4" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	169.79	
33 42 11 00-0355	EA		6" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	229.04	
33 42 11 00-0356	EA		8" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	297.58	
33 42 11 00-0357	EA		10" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	379.41	
33 42 11 00-0358	EA		12" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	469.02	
33 42 11 00-0359	EA		15" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,047.61	
33 42 11 00-0360	EA		18" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	1,501.10	
33 42 11 00-0361	EA		21" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,216.04	
33 42 11 00-0362	EA		24" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	2,928.10	
33 42 11 00-0363	EA		30" Compression Joint Wyes Or Tees, Extra Strength, Vitrified Clay.....	3,394.82	
33 42 11 00-0364	EA		36" Compression Joint, Extra Strength, Vitrified Clay Wye Or Tee.....	4,786.21	
<b>33 42 11 00-0365</b>			<b>Corrugated Metal Piping (33 42 11)</b>		
<b>33 42 11 00-0366</b>			<b>Galvanized Corrugated Steel Piping (33 42 11 00-0365)</b>		
<b>33 42 11 00-0367</b>			<b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0366)</b>		
<b>33 42 11 00-0368</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0367)</b>		
33 42 11 00-0369	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	50.28	14.06
			<i>For Bituminous Coated Pipe, Add</i>	5.10	
			<i>For Bituminous Coated And 25% Paved, Add</i>	10.42	
			<i>For Smooth-Flo, Add</i>	18.62	
33 42 11 00-0370	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	56.75	14.73
			<i>For Bituminous Coated Pipe, Add</i>	6.42	
			<i>For Bituminous Coated And 25% Paved, Add</i>	13.12	
			<i>For Smooth-Flo, Add</i>	23.43	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0371	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	63.47 7.77 15.90 28.39	16.07
	33 42 11 00-0372	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	72.24 9.30 19.01 33.95	17.41
	33 42 11 00-0373	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	79.96 10.46 21.40 38.22	18.74
	33 42 11 00-0374	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	105.54 13.57 27.76 49.58	24.10
	33 42 11 00-0375	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	135.51 17.12 35.02 62.53	30.53
	33 42 11 00-0376	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	154.37 20.26 41.44 74.00	36.09
	33 42 11 00-0377	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	173.47 22.69 46.41 82.88	41.64
	<b>33 42 11 00-0378</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b> <small><sup>42 11 00-0367)</sup></small>		
	33 42 11 00-0379	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	54.83 5.17 11.99 24.23	14.06
	33 42 11 00-0380	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	62.36 6.49 15.03 30.39	14.73
	33 42 11 00-0381	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	70.24 7.86 18.20 36.79	16.07
	33 42 11 00-0382	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	80.08 9.34 21.65 43.75	17.41
	33 42 11 00-0383	LF		24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	89.06 10.57 24.49 49.50	18.74
	33 42 11 00-0384	LF		30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	116.65 13.57 31.45 63.57	24.10
	33 42 11 00-0385	LF		36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	149.01 17.02 39.42 79.69	30.53
	33 42 11 00-0386	LF		42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	169.82 20.03 46.41 93.81	36.09
	33 42 11 00-0387	LF		48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	191.14 22.51 52.15 105.41	41.64
	33 42 11 00-0388	LF		54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	228.47 27.68 64.13 129.64	47.19
	<b>33 42 11 00-0389</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b> <small><sup>42 11 00-0367)</sup></small>		
	33 42 11 00-0390	LF		18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	84.26 8.99 16.24 31.22	16.07
	33 42 11 00-0391	LF		21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	96.37 10.63 19.20 36.90	17.41
	33 42 11 00-0392	LF		24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	107.63 12.05 21.77 41.83	17.41

**33 Utilities**

**33 40 Stormwater Utilities**

**33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0393	LF		30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	139.61	24.10
			<i>For Bituminous Coated Pipe, Add</i>	15.33	
			<i>For Bituminous Coated And 25% Paved, Add</i>	27.68	
			<i>For Smooth-Flo, Add</i>	53.19	
33 42 11 00-0394	LF		36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	176.26	30.53
			<i>For Bituminous Coated Pipe, Add</i>	18.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	34.23	
			<i>For Smooth-Flo, Add</i>	65.78	
33 42 11 00-0395	LF		42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	201.30	36.09
			<i>For Bituminous Coated Pipe, Add</i>	22.21	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.11	
			<i>For Smooth-Flo, Add</i>	77.08	
33 42 11 00-0396	LF		48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	227.23	41.64
			<i>For Bituminous Coated Pipe, Add</i>	25.08	
			<i>For Bituminous Coated And 25% Paved, Add</i>	45.29	
			<i>For Smooth-Flo, Add</i>	87.04	
33 42 11 00-0397	LF		54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	268.32	47.19
			<i>For Bituminous Coated Pipe, Add</i>	30.07	
			<i>For Bituminous Coated And 25% Paved, Add</i>	54.31	
			<i>For Smooth-Flo, Add</i>	104.37	
33 42 11 00-0398	LF		60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	293.36	49.96
			<i>For Bituminous Coated Pipe, Add</i>	32.93	
			<i>For Bituminous Coated And 25% Paved, Add</i>	59.47	
			<i>For Smooth-Flo, Add</i>	114.29	
<b>33 42 11 00-0399</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Piping<sup>(33)</sup></b>		
	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	201.76	30.53
			<i>For Bituminous Coated Pipe, Add</i>	24.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	40.28	
			<i>For Smooth-Flo, Add</i>	57.47	
33 42 11 00-0401	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	231.15	36.09
			<i>For Bituminous Coated Pipe, Add</i>	28.25	
			<i>For Bituminous Coated And 25% Paved, Add</i>	47.18	
			<i>For Smooth-Flo, Add</i>	67.33	
33 42 11 00-0402	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	261.10	41.64
			<i>For Bituminous Coated Pipe, Add</i>	31.92	
			<i>For Bituminous Coated And 25% Paved, Add</i>	53.33	
			<i>For Smooth-Flo, Add</i>	76.09	
33 42 11 00-0403	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	306.26	47.19
			<i>For Bituminous Coated Pipe, Add</i>	37.81	
			<i>For Bituminous Coated And 25% Paved, Add</i>	63.16	
			<i>For Smooth-Flo, Add</i>	90.12	
33 42 11 00-0404	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	335.59	49.96
			<i>For Bituminous Coated Pipe, Add</i>	41.53	
			<i>For Bituminous Coated And 25% Paved, Add</i>	69.37	
			<i>For Smooth-Flo, Add</i>	98.98	
33 42 11 00-0405	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe.....	401.81	61.06
			<i>For Bituminous Coated Pipe, Add</i>	49.67	
			<i>For Bituminous Coated And 25% Paved, Add</i>	82.98	
			<i>For Smooth-Flo, Add</i>	118.40	
<b>33 42 11 00-0406</b>			<b>3" x 1" Corrugation, Galvanized Corrugated Steel Piping<sup>(33 42 11 00-0366)</sup></b>		
<b>33 42 11 00-0407</b>			<b>16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping<sup>(33 42 11 00-0406)</sup></b>		
33 42 11 00-0408	LF		36" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	158.90	30.53
			<i>For Bituminous Coated Pipe, Add</i>	18.83	
			<i>For Bituminous Coated And 25% Paved, Add</i>	42.74	
			<i>For Smooth-Flo, Add</i>	85.09	
33 42 11 00-0409	LF		42" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	181.20	36.09
			<i>For Bituminous Coated Pipe, Add</i>	22.11	
			<i>For Bituminous Coated And 25% Paved, Add</i>	50.19	
			<i>For Smooth-Flo, Add</i>	99.93	
33 42 11 00-0410	LF		48" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	203.69	41.64
			<i>For Bituminous Coated Pipe, Add</i>	24.80	
			<i>For Bituminous Coated And 25% Paved, Add</i>	56.29	
			<i>For Smooth-Flo, Add</i>	112.08	
33 42 11 00-0411	LF		54" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	242.87	47.19
			<i>For Bituminous Coated Pipe, Add</i>	30.29	
			<i>For Bituminous Coated And 25% Paved, Add</i>	68.75	
			<i>For Smooth-Flo, Add</i>	136.90	
33 42 11 00-0412	LF		60" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	264.63	49.96
			<i>For Bituminous Coated Pipe, Add</i>	33.00	
			<i>For Bituminous Coated And 25% Paved, Add</i>	74.90	
			<i>For Smooth-Flo, Add</i>	149.14	
33 42 11 00-0413	LF		66" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	331.49	61.06
			<i>For Bituminous Coated Pipe, Add</i>	42.38	
			<i>For Bituminous Coated And 25% Paved, Add</i>	96.21	
			<i>For Smooth-Flo, Add</i>	191.58	
33 42 11 00-0414	LF		72" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	402.53	88.82
			<i>For Bituminous Coated Pipe, Add</i>	45.18	
			<i>For Bituminous Coated And 25% Paved, Add</i>	102.55	
			<i>For Smooth-Flo, Add</i>	204.20	
33 42 11 00-0415	LF		78" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	434.21	97.15
			<i>For Bituminous Coated Pipe, Add</i>	47.98	
			<i>For Bituminous Coated And 25% Paved, Add</i>	108.92	
			<i>For Smooth-Flo, Add</i>	216.88	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0416	LF		84" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	462.10 50.79 115.28 229.55	104.09
	33 42 11 00-0417	LF		90" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	490.06 53.60 121.67 242.27	111.03
	33 42 11 00-0418	LF		96" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	518.92 56.39 128.01 254.90	117.97
	33 42 11 00-0419	LF		102" 16 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	551.76 59.22 134.43 267.67	124.91
	<b>33 42 11 00-0420</b>			<b>14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0406)</small>		
	33 42 11 00-0421	LF		54" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	266.73 35.06 68.72 138.84	47.19
	33 42 11 00-0422	LF		60" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	291.04 38.28 75.02 151.58	49.96
	33 42 11 00-0423	LF		66" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	360.54 48.19 94.46 190.85	61.06
	33 42 11 00-0424	LF		72" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	434.17 51.51 100.95 203.96	88.82
	33 42 11 00-0425	LF		78" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	468.39 54.82 107.44 217.08	97.15
	33 42 11 00-0426	LF		84" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	498.98 58.16 114.00 230.32	104.09
	33 42 11 00-0427	LF		90" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	529.43 61.47 120.49 243.44	111.03
	33 42 11 00-0428	LF		96" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	560.88 64.79 126.98 256.55	117.97
	33 42 11 00-0429	LF		102" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	596.26 68.12 133.52 269.76	124.91
	33 42 11 00-0430	LF		108" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	634.84 71.45 140.05 282.96	138.79
	33 42 11 00-0431	LF		114" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	672.55 74.72 146.46 295.91	152.66
	<b>33 42 11 00-0432</b>			<b>12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0406)</small>		
	33 42 11 00-0433	LF		60" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	349.61 49.99 95.23 155.23	49.96
	33 42 11 00-0434	LF		66" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	425.41 61.17 116.53 189.93	61.06
	33 42 11 00-0435	LF		72" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	504.70 65.61 124.99 203.73	88.82
	33 42 11 00-0436	LF		78" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	544.64 70.07 133.48 217.56	97.15
	33 42 11 00-0437	LF		84" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	580.89 74.54 142.01 231.46	104.09

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0438	LF 90" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	617.06	111.03
	For Bituminous Coated Pipe, Add	79.00	
	For Bituminous Coated And 25% Paved, Add	150.50	
	For Smooth-Flo, Add	245.30	
33 42 11 00-0439	LF 96" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	654.27	117.97
	For Bituminous Coated Pipe, Add	83.46	
	For Bituminous Coated And 25% Paved, Add	159.00	
	For Smooth-Flo, Add	259.16	
33 42 11 00-0440	LF 102" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	695.37	124.91
	For Bituminous Coated Pipe, Add	87.94	
	For Bituminous Coated And 25% Paved, Add	167.53	
	For Smooth-Flo, Add	273.06	
33 42 11 00-0441	LF 108" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	739.55	138.79
	For Bituminous Coated Pipe, Add	92.40	
	For Bituminous Coated And 25% Paved, Add	176.01	
	For Smooth-Flo, Add	286.89	
33 42 11 00-0442	LF 114" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	783.03	152.66
	For Bituminous Coated Pipe, Add	96.82	
	For Bituminous Coated And 25% Paved, Add	184.44	
	For Smooth-Flo, Add	300.63	
33 42 11 00-0443	LF 120" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	825.00	166.54
	For Bituminous Coated Pipe, Add	101.30	
	For Bituminous Coated And 25% Paved, Add	192.97	
	For Smooth-Flo, Add	314.52	
<b>33 42 11 00-0444</b>	<b>10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-</b>		
	<b>0406)</b>		
33 42 11 00-0445	LF 72" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	570.47	88.82
	For Bituminous Coated Pipe, Add	78.77	
	For Bituminous Coated And 25% Paved, Add	149.66	
	For Smooth-Flo, Add	200.07	
33 42 11 00-0446	LF 78" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	615.80	97.15
	For Bituminous Coated Pipe, Add	84.30	
	For Bituminous Coated And 25% Paved, Add	160.17	
	For Smooth-Flo, Add	214.12	
33 42 11 00-0447	LF 84" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	657.45	104.09
	For Bituminous Coated Pipe, Add	89.86	
	For Bituminous Coated And 25% Paved, Add	170.73	
	For Smooth-Flo, Add	228.23	
33 42 11 00-0448	LF 90" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	699.02	111.03
	For Bituminous Coated Pipe, Add	95.39	
	For Bituminous Coated And 25% Paved, Add	181.24	
	For Smooth-Flo, Add	242.30	
33 42 11 00-0449	LF 96" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	741.63	117.97
	For Bituminous Coated Pipe, Add	100.94	
	For Bituminous Coated And 25% Paved, Add	191.78	
	For Smooth-Flo, Add	256.38	
33 42 11 00-0450	LF 102" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	788.12	124.91
	For Bituminous Coated Pipe, Add	106.49	
	For Bituminous Coated And 25% Paved, Add	202.33	
	For Smooth-Flo, Add	270.49	
33 42 11 00-0451	LF 108" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	837.71	138.79
	For Bituminous Coated Pipe, Add	112.03	
	For Bituminous Coated And 25% Paved, Add	212.85	
	For Smooth-Flo, Add	284.55	
33 42 11 00-0452	LF 114" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	886.53	152.66
	For Bituminous Coated Pipe, Add	117.52	
	For Bituminous Coated And 25% Paved, Add	223.29	
	For Smooth-Flo, Add	298.50	
33 42 11 00-0453	LF 120" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	933.95	166.54
	For Bituminous Coated Pipe, Add	123.09	
	For Bituminous Coated And 25% Paved, Add	233.86	
	For Smooth-Flo, Add	312.64	
33 42 11 00-0454	LF 126" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	983.88	180.42
	For Bituminous Coated Pipe, Add	128.60	
	For Bituminous Coated And 25% Paved, Add	244.34	
	For Smooth-Flo, Add	326.64	
33 42 11 00-0455	LF 132" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	1,037.38	194.30
	For Bituminous Coated Pipe, Add	134.16	
	For Bituminous Coated And 25% Paved, Add	254.90	
	For Smooth-Flo, Add	340.76	
33 42 11 00-0456	LF 138" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe.....	1,095.14	208.17
	For Bituminous Coated Pipe, Add	139.72	
	For Bituminous Coated And 25% Paved, Add	265.47	
	For Smooth-Flo, Add	354.89	
<b>33 42 11 00-0457</b>	<b>125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-</b>		
	<b>0366)</b>		
<b>33 42 11 00-0458</b>	<b>16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
	<b>Piping (33 42 11 00-0457)</b>		
33 42 11 00-0459	LF 48" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	204.37	41.64
	For Bituminous Coated Pipe, Add	31.17	
	For Bituminous Coated And 25% Paved, Add	71.06	
	For Smooth-Flo, Add	112.82	
33 42 11 00-0460	LF 54" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	244.19	47.19
	For Bituminous Coated Pipe, Add	38.19	
	For Bituminous Coated And 25% Paved, Add	87.07	
	For Smooth-Flo, Add	138.25	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0461		LF	60" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	265.80 41.54 94.71 150.37	49.96
	33 42 11 00-0462		LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	328.74 52.29 119.23 189.30	61.06
	33 42 11 00-0463		LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	399.46 55.71 127.01 201.65	88.82
	33 42 11 00-0464		LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	430.72 59.11 134.76 213.96	97.15
	33 42 11 00-0465		LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	458.13 62.49 142.48 226.21	104.09
	33 42 11 00-0466		LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	485.51 65.86 150.17 238.42	111.03
	33 42 11 00-0467		LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	514.11 69.29 157.98 250.83	117.97
	33 42 11 00-0468		LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	546.84 72.80 165.97 263.52	124.91
	<b>33 42 11 00-0469</b>			<b>14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0457)</small>		
	33 42 11 00-0470		LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	274.03 36.52 85.82 155.39	47.19
	33 42 11 00-0471		LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	298.97 39.86 93.68 169.62	49.96
	33 42 11 00-0472		LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	364.93 49.07 115.32 208.80	61.06
	33 42 11 00-0473		LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	438.56 52.38 123.10 222.89	88.82
	33 42 11 00-0474		LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	473.36 55.81 131.16 237.48	97.15
	33 42 11 00-0475		LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	504.11 59.19 139.09 251.84	104.09
	33 42 11 00-0476		LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	533.14 62.22 146.21 264.73	111.03
	33 42 11 00-0477		LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	566.55 65.92 154.91 280.49	117.97
	33 42 11 00-0478		LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	602.08 69.28 162.82 294.80	124.91
	33 42 11 00-0479		LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	640.66 72.62 170.65 308.99	138.79
	33 42 11 00-0480		LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	679.11 76.04 178.68 323.53	152.66
	<b>33 42 11 00-0481</b>			<b>12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Piping</b> <small>(33 42 11 00-0457)</small>		
	33 42 11 00-0482		LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	361.09 52.29 99.35 179.35	49.96

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
33 42 11 00-0483	LF 66" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	433.34	61.06
	<i>For Bituminous Coated Pipe, Add</i>	62.75	
	<i>For Bituminous Coated And 25% Paved, Add</i>	119.23	
	<i>For Smooth-Flo, Add</i>	215.25	
33 42 11 00-0484	LF 72" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	513.48	88.82
	<i>For Bituminous Coated Pipe, Add</i>	67.37	
	<i>For Bituminous Coated And 25% Paved, Add</i>	128.00	
	<i>For Smooth-Flo, Add</i>	231.07	
33 42 11 00-0485	LF 78" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	554.06	97.15
	<i>For Bituminous Coated Pipe, Add</i>	71.95	
	<i>For Bituminous Coated And 25% Paved, Add</i>	136.71	
	<i>For Smooth-Flo, Add</i>	246.80	
33 42 11 00-0486	LF 84" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	590.63	104.09
	<i>For Bituminous Coated Pipe, Add</i>	76.49	
	<i>For Bituminous Coated And 25% Paved, Add</i>	145.33	
	<i>For Smooth-Flo, Add</i>	262.37	
33 42 11 00-0487	LF 90" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	627.53	111.03
	<i>For Bituminous Coated Pipe, Add</i>	81.09	
	<i>For Bituminous Coated And 25% Paved, Add</i>	154.08	
	<i>For Smooth-Flo, Add</i>	278.15	
33 42 11 00-0488	LF 96" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	665.28	117.97
	<i>For Bituminous Coated Pipe, Add</i>	85.67	
	<i>For Bituminous Coated And 25% Paved, Add</i>	162.77	
	<i>For Smooth-Flo, Add</i>	293.83	
33 42 11 00-0489	LF 102" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	706.80	124.91
	<i>For Bituminous Coated Pipe, Add</i>	90.23	
	<i>For Bituminous Coated And 25% Paved, Add</i>	171.43	
	<i>For Smooth-Flo, Add</i>	309.48	
33 42 11 00-0490	LF 108" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	751.72	138.79
	<i>For Bituminous Coated Pipe, Add</i>	94.83	
	<i>For Bituminous Coated And 25% Paved, Add</i>	180.18	
	<i>For Smooth-Flo, Add</i>	325.27	
33 42 11 00-0491	LF 114" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	795.94	152.66
	<i>For Bituminous Coated Pipe, Add</i>	99.40	
	<i>For Bituminous Coated And 25% Paved, Add</i>	188.86	
	<i>For Smooth-Flo, Add</i>	340.95	
33 42 11 00-0492	LF 120" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	838.39	166.54
	<i>For Bituminous Coated Pipe, Add</i>	103.97	
	<i>For Bituminous Coated And 25% Paved, Add</i>	197.55	
	<i>For Smooth-Flo, Add</i>	356.63	
<b>33 42 11 00-0493</b>	<b>10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel</b>		
	<b>Piping</b> <small>(33 42 11 00-0457)</small>		
33 42 11 00-0494	LF 72" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	585.23	88.82
	<i>For Bituminous Coated Pipe, Add</i>	81.72	
	<i>For Bituminous Coated And 25% Paved, Add</i>	155.26	
	<i>For Smooth-Flo, Add</i>	243.93	
33 42 11 00-0495	LF 78" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	632.47	97.15
	<i>For Bituminous Coated Pipe, Add</i>	87.63	
	<i>For Bituminous Coated And 25% Paved, Add</i>	166.50	
	<i>For Smooth-Flo, Add</i>	261.59	
33 42 11 00-0496	LF 84" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	675.29	104.09
	<i>For Bituminous Coated Pipe, Add</i>	93.42	
	<i>For Bituminous Coated And 25% Paved, Add</i>	177.51	
	<i>For Smooth-Flo, Add</i>	278.87	
33 42 11 00-0497	LF 90" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	717.85	111.03
	<i>For Bituminous Coated Pipe, Add</i>	99.16	
	<i>For Bituminous Coated And 25% Paved, Add</i>	188.40	
	<i>For Smooth-Flo, Add</i>	295.99	
33 42 11 00-0498	LF 96" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	761.74	117.97
	<i>For Bituminous Coated Pipe, Add</i>	104.96	
	<i>For Bituminous Coated And 25% Paved, Add</i>	199.42	
	<i>For Smooth-Flo, Add</i>	313.30	
33 42 11 00-0499	LF 102" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	809.18	124.91
	<i>For Bituminous Coated Pipe, Add</i>	110.70	
	<i>For Bituminous Coated And 25% Paved, Add</i>	210.34	
	<i>For Smooth-Flo, Add</i>	330.45	
33 42 11 00-0500	LF 108" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	860.04	138.79
	<i>For Bituminous Coated Pipe, Add</i>	116.49	
	<i>For Bituminous Coated And 25% Paved, Add</i>	221.34	
	<i>For Smooth-Flo, Add</i>	347.73	
33 42 11 00-0501	LF 114" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	910.29	152.66
	<i>For Bituminous Coated Pipe, Add</i>	122.27	
	<i>For Bituminous Coated And 25% Paved, Add</i>	232.32	
	<i>For Smooth-Flo, Add</i>	364.98	
33 42 11 00-0502	LF 120" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	958.61	166.54
	<i>For Bituminous Coated Pipe, Add</i>	128.02	
	<i>For Bituminous Coated And 25% Paved, Add</i>	243.23	
	<i>For Smooth-Flo, Add</i>	382.13	
33 42 11 00-0503	LF 126" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	1,018.91	180.42
	<i>For Bituminous Coated Pipe, Add</i>	135.61	
	<i>For Bituminous Coated And 25% Paved, Add</i>	257.65	
	<i>For Smooth-Flo, Add</i>	404.78	
33 42 11 00-0504	LF 132" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe.....	1,075.90	194.30
	<i>For Bituminous Coated Pipe, Add</i>	141.86	
	<i>For Bituminous Coated And 25% Paved, Add</i>	269.53	
	<i>For Smooth-Flo, Add</i>	423.45	

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0505	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	1,138.32 148.36 281.88 442.85	208.17
	<b>33 42 11 00-0506</b>			<b>Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0366)</b>		
	<b>33 42 11 00-0507</b>			<b>16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0506)</b>		
	33 42 11 00-0508	LF		18" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	72.57 9.60	16.07
	33 42 11 00-0509	LF		21" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	82.93 11.44	17.41
	33 42 11 00-0510	LF		24" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	92.50 12.99	18.74
	33 42 11 00-0511	LF		30" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	121.31 16.74	24.10
	33 42 11 00-0512	LF		36" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	154.83 20.98	30.53
	33 42 11 00-0513	LF		42" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	176.86 24.74	36.09
	33 42 11 00-0514	LF		48" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	199.24 27.85	41.64
	33 42 11 00-0515	LF		54" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	237.84 34.11	47.19
	33 42 11 00-0516	LF		60" 16 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	259.50 37.25	49.96
	<b>33 42 11 00-0517</b>			<b>14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0506)</b>		
	33 42 11 00-0518	LF		18" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	79.45 11.11	16.07
	33 42 11 00-0519	LF		21" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	90.98 13.20	17.41
	33 42 11 00-0520	LF		24" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	101.65 15.00	18.74
	33 42 11 00-0521	LF		30" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	132.68 19.23	24.10
	33 42 11 00-0522	LF		36" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	168.53 23.97	30.53
	33 42 11 00-0523	LF		42" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	192.89 28.24	36.09
	33 42 11 00-0524	LF		48" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	217.55 31.84	41.64
	33 42 11 00-0525	LF		54" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	258.42 38.57	47.19
	33 42 11 00-0526	LF		60" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	282.41 42.22	49.96
	33 42 11 00-0527	LF		66" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	346.62 52.45	61.06
	33 42 11 00-0528	LF		72" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	419.25 56.04	88.82
	33 42 11 00-0529	LF		78" 14 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	452.73 59.70	97.15
	<b>33 42 11 00-0530</b>			<b>12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Piping (33 42 11 00-0506)</b>		
	33 42 11 00-0531	LF		30" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	155.75 20.09	24.10
	33 42 11 00-0532	LF		36" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	196.10 24.82	30.53
	33 42 11 00-0533	LF		42" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	225.17 29.20	36.09
	33 42 11 00-0534	LF		48" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	254.38 33.01	41.64
	33 42 11 00-0535	LF		54" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	299.91 39.40	47.19
	33 42 11 00-0536	LF		60" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	328.55 43.26	49.96
	33 42 11 00-0537	LF		66" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	397.26 52.48	61.06
	33 42 11 00-0538	LF		72" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	474.43 56.28	88.82
	33 42 11 00-0539	LF		78" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	512.47 60.13	97.15
	33 42 11 00-0540	LF		84" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	546.60 63.96	104.09
	33 42 11 00-0541	LF		90" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	580.70 67.78	111.03
	33 42 11 00-0542	LF		96" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	615.81 71.60	117.97
	33 42 11 00-0543	LF		102" 12 Gauge, Helical Ribbed, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	652.51 75.00	124.91
	33 42 11 00-0544			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0366)		
	33 42 11 00-0545			1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping (33 42 11 00-0544)		



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0546	LF	6"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	26.09 2.45	8.04
33 42 11 00-0547	LF	6"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	28.13 2.95	8.04
33 42 11 00-0548	LF	8"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	32.73 3.25	10.05
33 42 11 00-0549	LF	8"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	35.34 3.89	10.05
33 42 11 00-0550	LF	10"	18 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	41.37 4.08	12.06
33 42 11 00-0551	LF	10"	16 Gauge, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	44.67 4.89	12.06
<b>33 42 11 00-0552</b>			<b>Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Piping <sup>(33)</sup></b>		
33 42 11 00-0553	LF	6"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	26.37 2.42	8.04
33 42 11 00-0554	LF	6"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	28.36 2.89	8.04
33 42 11 00-0555	LF	8"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	33.02 3.18	10.05
33 42 11 00-0556	LF	8"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	35.78 3.83	10.05
33 42 11 00-0557	LF	10"	18 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	41.86 4.03	12.06
33 42 11 00-0558	LF	10"	16 Gauge, Perforated, 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	45.24 4.82	12.06
<b>33 42 11 00-0559</b>			<b>1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe Fittings <sup>(33 42 11 00-0544)</sup></b>		
33 42 11 00-0560	EA	6"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.16 3.41	
33 42 11 00-0561	EA	8"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	20.06 4.51	
33 42 11 00-0562	EA	10"	18 Gauge, Connection Band For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	24.60 5.54	
33 42 11 00-0563	EA	6"	18 Gauge, Band Elbows For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	54.67 7.54	
33 42 11 00-0564	EA	6"	End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	12.38 1.72	
33 42 11 00-0565	EA	8"	End Caps For 1-1/2" x 1/4" Corrugation, Galvanized Corrugated Steel Pipe..... <i>For Bituminous Coated Pipe, Add</i>	15.66 2.58	
<b>33 42 11 00-0566</b>			<b>2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0366)</sup></b>		
<b>33 42 11 00-0567</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0566)</sup></b>		
33 42 11 00-0568	LF	12"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	80.37	14.06
33 42 11 00-0569	LF	15"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	94.67	14.73
33 42 11 00-0570	LF	18"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	109.45	16.07
33 42 11 00-0571	LF	21"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	127.19	17.41
33 42 11 00-0572	LF	24"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	141.88	18.74
33 42 11 00-0573	LF	30"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	185.74	24.10
33 42 11 00-0574	LF	36"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	236.80	30.53
33 42 11 00-0575	LF	42"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	274.17	36.09
33 42 11 00-0576	LF	48"	16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	307.70	41.64
<b>33 42 11 00-0577</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0566)</sup></b>		
33 42 11 00-0578	LF	12"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	91.44	14.06
33 42 11 00-0579	LF	15"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	108.39	14.73
33 42 11 00-0580	LF	18"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	125.88	16.07
33 42 11 00-0581	LF	21"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	146.22	17.41
33 42 11 00-0582	LF	24"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	163.98	18.74
33 42 11 00-0583	LF	30"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	212.86	24.10
33 42 11 00-0584	LF	36"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	269.54	30.53
33 42 11 00-0585	LF	42"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	311.74	36.09
33 42 11 00-0586	LF	48"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	350.58	41.64
33 42 11 00-0587	LF	54"	14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	424.59	47.19
<b>33 42 11 00-0588</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping <sup>(33 42 11 00-0566)</sup></b>		
33 42 11 00-0589	LF	18"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	160.12	16.07
33 42 11 00-0590	LF	21"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	186.20	17.41
33 42 11 00-0591	LF	24"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	209.43	18.74
33 42 11 00-0592	LF	30"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	269.65	24.10
33 42 11 00-0593	LF	36"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	323.76	30.53
33 42 11 00-0594	LF	42"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	391.18	36.09
33 42 11 00-0595	LF	48"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	441.23	41.64
33 42 11 00-0596	LF	54"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	528.03	47.19
33 42 11 00-0597	LF	60"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	577.01	49.96
33 42 11 00-0598	LF	66"	12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	706.72	61.06

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 42 11 00-0599</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0599)		
33 42 11 00-0600	LF		36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	399.93	30.53
33 42 11 00-0601	LF		42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	463.54	36.09
33 42 11 00-0602	LF		48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	523.43	41.64
33 42 11 00-0603	LF		54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	620.10	47.19
33 42 11 00-0604	LF		60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	679.52	49.96
33 42 11 00-0605	LF		66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	819.30	61.06
33 42 11 00-0606	LF		72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe.....	926.85	88.82

<b>33 42 11 00-0607</b>			<b>3" x 1" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0366)		
<b>33 42 11 00-0608</b>			<b>16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0607)		
33 42 11 00-0609	LF		36" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	299.66	30.53
33 42 11 00-0610	LF		42" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	346.65	36.09
33 42 11 00-0611	LF		48" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	388.97	41.64
33 42 11 00-0612	LF		54" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	470.81	47.19
33 42 11 00-0613	LF		60" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	512.65	49.96
33 42 11 00-0614	LF		66" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	652.84	61.06
33 42 11 00-0615	LF		72" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	744.62	88.82
33 42 11 00-0616	LF		78" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	796.98	97.15
33 42 11 00-0617	LF		84" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	845.66	104.09
33 42 11 00-0618	LF		90" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	894.41	111.03
33 42 11 00-0619	LF		96" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	943.99	117.97
33 42 11 00-0620	LF		102" 16 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	997.70	124.91

<b>33 42 11 00-0621</b>			<b>14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0607)		
33 42 11 00-0622	LF		54" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	530.00	47.19
33 42 11 00-0623	LF		60" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	578.08	49.96
33 42 11 00-0624	LF		66" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	724.91	61.06
33 42 11 00-0625	LF		72" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	823.01	88.82
33 42 11 00-0626	LF		78" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	881.77	97.15
33 42 11 00-0627	LF		84" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	937.09	104.09
33 42 11 00-0628	LF		90" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	992.06	111.03
33 42 11 00-0629	LF		96" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,048.00	117.97
33 42 11 00-0630	LF		102" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,108.16	124.91
33 42 11 00-0631	LF		108" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,171.36	138.79
33 42 11 00-0632	LF		114" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,233.24	152.66

<b>33 42 11 00-0633</b>			<b>12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0607)		
33 42 11 00-0634	LF		60" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	726.95	49.96
33 42 11 00-0635	LF		66" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	890.52	61.06
33 42 11 00-0636	LF		72" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,002.97	88.82
33 42 11 00-0637	LF		78" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,076.16	97.15
33 42 11 00-0638	LF		84" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,145.84	104.09
33 42 11 00-0639	LF		90" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,215.26	111.03
33 42 11 00-0640	LF		96" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,285.75	117.97
33 42 11 00-0641	LF		102" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,360.25	124.91
33 42 11 00-0642	LF		108" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,437.68	138.79
33 42 11 00-0643	LF		114" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,514.21	152.66
33 42 11 00-0644	LF		120" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,589.61	166.54

<b>33 42 11 00-0645</b>			<b>10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0607)		
33 42 11 00-0646	LF		72" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,166.96	88.82
33 42 11 00-0647	LF		78" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,253.50	97.15
33 42 11 00-0648	LF		84" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,336.66	104.09
33 42 11 00-0649	LF		90" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,419.48	111.03
33 42 11 00-0650	LF		96" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,503.47	117.97
33 42 11 00-0651	LF		102" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,591.42	124.91
33 42 11 00-0652	LF		108" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,682.34	138.79
33 42 11 00-0653	LF		114" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,772.25	152.66
33 42 11 00-0654	LF		120" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,861.11	166.54
33 42 11 00-0655	LF		126" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	1,952.23	180.42
33 42 11 00-0656	LF		132" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	2,047.19	194.30
33 42 11 00-0657	LF		138" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe.....	2,146.44	208.17

<b>33 42 11 00-0658</b>			<b>125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0366)		
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<b>33 42 11 00-0659</b>			<b>16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0658)		
33 42 11 00-0660	LF		48" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	376.20	41.64
33 42 11 00-0661	LF		54" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	456.76	47.19
33 42 11 00-0662	LF		60" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	496.55	49.96
33 42 11 00-0663	LF		66" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	622.93	61.06
33 42 11 00-0664	LF		72" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	712.27	88.82
33 42 11 00-0665	LF		78" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	762.07	97.15
33 42 11 00-0666	LF		84" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	807.87	104.09
33 42 11 00-0667	LF		90" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	853.57	111.03
33 42 11 00-0668	LF		96" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	900.75	117.97
33 42 11 00-0669	LF		102" 16 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	952.68	124.91

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0670			<b>14 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0658)		
33 42 11 00-0671	LF		54" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	527.07	47.19
33 42 11 00-0672	LF		60" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	574.87	49.96
33 42 11 00-0673	LF		66" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	708.34	61.06
33 42 11 00-0674	LF		72" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	804.56	88.82
33 42 11 00-0675	LF		78" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	862.69	97.15
33 42 11 00-0676	LF		84" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	916.33	104.09
33 42 11 00-0677	LF		90" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	965.96	111.03
33 42 11 00-0678	LF		96" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,024.54	117.97
33 42 11 00-0679	LF		102" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,083.02	124.91
33 42 11 00-0680	LF		108" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,144.21	138.79
33 42 11 00-0681	LF		114" 14 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,205.91	152.66
33 42 11 00-0682			<b>12 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0658)		
33 42 11 00-0683	LF		60" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	731.83	49.96
33 42 11 00-0684	LF		66" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	881.99	61.06
33 42 11 00-0685	LF		72" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	994.61	88.82
33 42 11 00-0686	LF		78" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,067.18	97.15
33 42 11 00-0687	LF		84" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,135.53	104.09
33 42 11 00-0688	LF		90" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,204.76	111.03
33 42 11 00-0689	LF		96" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,274.56	117.97
33 42 11 00-0690	LF		102" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,347.96	124.91
33 42 11 00-0691	LF		108" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,425.18	138.79
33 42 11 00-0692	LF		114" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,501.45	152.66
33 42 11 00-0693	LF		120" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,575.90	166.54
33 42 11 00-0694			<b>10 Gauge, 125mm x 25mm Corrugation, Polymeric Corrugated Steel Piping</b> (33 42 11 00-0658)		
33 42 11 00-0695	LF		72" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,166.89	88.82
33 42 11 00-0696	LF		78" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,255.48	97.15
33 42 11 00-0697	LF		84" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,338.92	104.09
33 42 11 00-0698	LF		90" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,421.70	111.03
33 42 11 00-0699	LF		96" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,506.09	117.97
33 42 11 00-0700	LF		102" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,593.90	124.91
33 42 11 00-0701	LF		108" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,685.22	138.79
33 42 11 00-0702	LF		114" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,775.94	152.66
33 42 11 00-0703	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,864.61	166.54
33 42 11 00-0704	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	1,978.02	180.42
33 42 11 00-0705	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	2,078.89	194.30
33 42 11 00-0706	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe.....	2,186.80	208.17
33 42 11 00-0707			<b>Galvanized Corrugated Steel Pipe-Arch</b> (33 42 11 00-0365)		
33 42 11 00-0708			<b>2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> (33 42 11 00-0707)		
33 42 11 00-0709			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> (33 42 11 00-0708)		
33 42 11 00-0710	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	58.28	14.73
			<i>For Bituminous Coated Pipe, Add</i>	6.98	
			<i>For Bituminous Coated And 25% Paved, Add</i>	16.88	
			<i>For Smooth-Flo, Add</i>	27.84	
33 42 11 00-0711	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	64.84	16.07
			<i>For Bituminous Coated Pipe, Add</i>	8.34	
			<i>For Bituminous Coated And 25% Paved, Add</i>	20.16	
			<i>For Smooth-Flo, Add</i>	33.26	
33 42 11 00-0712	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	74.15	17.41
			<i>For Bituminous Coated Pipe, Add</i>	10.04	
			<i>For Bituminous Coated And 25% Paved, Add</i>	24.27	
			<i>For Smooth-Flo, Add</i>	40.04	
33 42 11 00-0713	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	83.19	18.74
			<i>For Bituminous Coated Pipe, Add</i>	11.57	
			<i>For Bituminous Coated And 25% Paved, Add</i>	27.97	
			<i>For Smooth-Flo, Add</i>	46.13	
33 42 11 00-0714	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	108.45	24.10
			<i>For Bituminous Coated Pipe, Add</i>	14.69	
			<i>For Bituminous Coated And 25% Paved, Add</i>	35.52	
			<i>For Smooth-Flo, Add</i>	58.59	
33 42 11 00-0715	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch.....	140.86	30.53
			<i>For Bituminous Coated Pipe, Add</i>	18.95	
			<i>For Bituminous Coated And 25% Paved, Add</i>	45.81	
			<i>For Smooth-Flo, Add</i>	75.56	
33 42 11 00-0716			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> (33 42 11 00-0708)		

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0717		LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	63.95 7.25 16.96 27.81	14.73
	33 42 11 00-0718		LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	71.78 8.69 20.34 33.35	16.07
	33 42 11 00-0719		LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	81.87 10.33 24.16 39.63	17.41
	33 42 11 00-0720		LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	92.13 11.91 27.87 45.71	18.74
	33 42 11 00-0721		LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	119.61 15.08 35.29 57.88	24.10
	33 42 11 00-0722		LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	154.14 19.21 44.95 73.73	30.53
	33 42 11 00-0723		LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	177.12 22.89 53.55 87.83	36.09
	<b>33 42 11 00-0724</b>			<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0708)</small>		
	33 42 11 00-0725		LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	92.25 9.40 20.92 32.17	16.65
	33 42 11 00-0726		LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	105.35 11.15 24.81 38.15	18.04
	33 42 11 00-0727		LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	118.34 12.79 28.46 43.76	19.43
	33 42 11 00-0728		LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	152.86 16.10 35.83 55.10	24.98
	33 42 11 00-0729		LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	181.23 20.15 44.84 68.94	30.53
	33 42 11 00-0730		LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	208.39 23.83 53.03 81.54	36.09
	33 42 11 00-0731		LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	243.05 28.26 62.89 96.70	41.64
	33 42 11 00-0732		LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	271.81 31.21 69.45 106.78	47.19
	<b>33 42 11 00-0733</b>			<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-0708)</small>		
	33 42 11 00-0734		LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	206.74 24.28 51.11 64.45	30.53
	33 42 11 00-0735		LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	238.13 28.64 60.29 76.03	36.09
	33 42 11 00-0736		LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	276.76 33.70 70.94 89.46	41.64
	33 42 11 00-0737		LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	309.91 37.36 78.65 99.19	47.19
	33 42 11 00-0738		LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	339.50 41.01 86.35 108.89	49.96

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0739			3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0707)		
33 42 11 00-0740			14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0739)		
33 42 11 00-0741	LF		60" x 46" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	271.44 36.00 109.45 122.41	47.19
33 42 11 00-0742	LF		66" x 51" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	296.65 39.40 119.78 133.96	49.96
33 42 11 00-0743	LF		73" x 55" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	366.99 49.48 150.43 168.25	61.06
33 42 11 00-0744	LF		81" x 59" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	441.89 53.05 161.27 180.37	88.82
33 42 11 00-0745	LF		87" x 63" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	478.28 56.80 172.66 193.11	97.15
33 42 11 00-0746	LF		95" x 67" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	510.99 60.56 184.11 205.92	104.09
33 42 11 00-0747	LF		103" x 71" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	543.61 64.31 195.50 218.65	111.03
33 42 11 00-0748	LF		112" x 75" 14 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	577.18 68.05 206.86 231.36	117.97
33 42 11 00-0749			12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0739)		
33 42 11 00-0750	LF		66" x 51" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	355.27 51.12 133.94 158.48	49.96
33 42 11 00-0751	LF		73" x 55" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	432.02 62.49 163.72 193.72	61.06
33 42 11 00-0752	LF		81" x 59" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	512.69 67.21 176.09 208.35	88.82
33 42 11 00-0753	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	554.80 72.10 188.90 223.51	97.15
33 42 11 00-0754	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	593.22 77.01 201.77 238.73	104.09
33 42 11 00-0755	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	631.61 81.91 214.60 253.92	111.03
33 42 11 00-0756	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	670.89 86.79 227.38 269.04	117.97
33 42 11 00-0757	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	714.26 91.72 240.31 284.33	124.91
33 42 11 00-0758	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	760.67 96.62 253.14 299.52	138.79
33 42 11 00-0759	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	808.96 102.01 267.26 316.22	152.66
33 42 11 00-0760			10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch (33 42 11 00-0739)		
33 42 11 00-0761	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... For Bituminous Coated Pipe, Add ..... For Bituminous Coated And 25% Paved, Add ..... For Smooth-Flo, Add .....	578.46 80.36 191.27 207.74	88.82



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0762		LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	626.02 86.34 205.50 223.20	97.15
	33 42 11 00-0763		LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	669.84 92.33 219.75 238.68	104.09
	33 42 11 00-0764		LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	713.52 98.29 233.93 254.08	111.03
	33 42 11 00-0765		LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	758.25 104.26 248.14 269.51	117.97
	33 42 11 00-0766		LF	117" x 79" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	806.96 110.26 262.42 285.02	124.91
	33 42 11 00-0767		LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	858.77 116.24 276.65 300.48	138.79
	33 42 11 00-0768		LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	912.03 122.62 291.84 316.97	152.66
	33 42 11 00-0769		LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	969.93 130.28 310.07 336.78	166.54
	33 42 11 00-0770			125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0770)</small>		
	33 42 11 00-0771			12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0770)</small>		
	33 42 11 00-0772		LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	519.15 68.50 167.14 212.70	88.82
	33 42 11 00-0773		LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	560.62 73.26 178.76 227.48	97.15
	33 42 11 00-0774		LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	598.03 77.97 190.25 242.10	104.09
	33 42 11 00-0775		LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	635.47 82.68 201.74 256.73	111.03
	33 42 11 00-0776		LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	674.06 87.42 213.31 271.45	117.97
	33 42 11 00-0777		LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	716.90 92.25 225.09 286.43	124.91
	33 42 11 00-0778		LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	762.78 97.04 236.78 301.32	138.79
	33 42 11 00-0779		LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	814.20 103.05 251.45 319.98	152.66
	33 42 11 00-0780			10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <small>(33 42 11 00-0770)</small>		
	33 42 11 00-0781		LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	591.95 83.06 187.72 203.92	88.82
	33 42 11 00-0782		LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	639.25 88.99 201.12 218.47	97.15
	33 42 11 00-0783		LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch ..... <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	682.59 94.88 214.44 232.94	104.09

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-0784	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	726.11	111.03	
			100.81		
			227.83		
			247.49		
33 42 11 00-0785	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	769.63	117.97	
			106.54		
			240.77		
			261.55		
33 42 11 00-0786	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	819.18	124.91	
			112.70		
			254.71		
			276.69		
33 42 11 00-0787	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	871.10	138.79	
			118.71		
			268.28		
			291.42		
33 42 11 00-0788	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	928.49	152.66	
			125.91		
			284.56		
			309.11		
33 42 11 00-0789	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Galvanized Corrugated Steel Pipe-Arch <i>For Bituminous Coated Pipe, Add</i> <i>For Bituminous Coated And 25% Paved, Add</i> <i>For Smooth-Flo, Add</i>	982.10	166.54	
			132.72		
			299.94		
			325.82		
33 42 11 00-0790		2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0707)			
33 42 11 00-0791		16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0790)			
33 42 11 00-0792	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	94.77	14.73	
33 42 11 00-0793	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	108.45	16.07	
33 42 11 00-0794	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	126.76	17.41	
33 42 11 00-0795	LF	28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	143.90	18.74	
33 42 11 00-0796	LF	35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	185.79	24.10	
33 42 11 00-0797	LF	42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	241.33	30.53	
33 42 11 00-0798		14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0790)			
33 42 11 00-0799	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	107.79	14.73	
33 42 11 00-0800	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	124.36	16.07	
33 42 11 00-0801	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	144.53	17.41	
33 42 11 00-0802	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	164.55	18.74	
33 42 11 00-0803	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	211.46	24.10	
33 42 11 00-0804	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	271.85	30.53	
33 42 11 00-0805	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	317.65	36.09	
33 42 11 00-0806		12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0790)			
33 42 11 00-0807	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	163.36	16.07	
33 42 11 00-0808	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	190.72	17.41	
33 42 11 00-0809	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	216.86	18.74	
33 42 11 00-0810	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	276.75	24.10	
33 42 11 00-0811	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	350.71	30.53	
33 42 11 00-0812	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	409.49	36.09	
33 42 11 00-0813	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	483.16	41.64	
33 42 11 00-0814	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	536.24	47.19	
33 42 11 00-0815		10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0790)			
33 42 11 00-0816	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	412.58	30.53	
33 42 11 00-0817	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	481.66	36.09	
33 42 11 00-0818	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	564.98	41.64	
33 42 11 00-0819	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	628.75	47.19	
33 42 11 00-0820	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Polymeric Corrugated Steel Pipe-Arch	688.83	49.96	
33 42 11 00-0821		3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0707)			
33 42 11 00-0822		14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0821)			
33 42 11 00-0823	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	541.62	47.19	
33 42 11 00-0824	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	591.75	49.96	
33 42 11 00-0825	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	740.77	61.06	
33 42 11 00-0826	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	842.06	88.82	
33 42 11 00-0827	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	906.22	97.15	
33 42 11 00-0828	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	966.78	104.09	
33 42 11 00-0829	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,027.10	111.03	
33 42 11 00-0830	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,088.55	117.97	
33 42 11 00-0831		12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0821)			
33 42 11 00-0832	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	740.90	49.96	
33 42 11 00-0833	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	906.80	61.06	
33 42 11 00-0834	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch	1,022.76	88.82	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-0835	LF		87" x 63" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,101.32	97.15
33 42 11 00-0836	LF		95" x 67" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,176.37	104.09
33 42 11 00-0837	LF		103" x 71" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,251.33	111.03
33 42 11 00-0838	LF		112" x 75" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,327.11	117.97
33 42 11 00-0839	LF		117" x 79" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,407.20	124.91
33 42 11 00-0840	LF		128" x 83" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,490.19	138.79
33 42 11 00-0841	LF		137" x 87" 12 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,578.72	152.66
<b>33 42 11 00-0842</b>			<b>10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0821)</b>		
33 42 11 00-0843	LF		81" x 59" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,186.70	88.82
33 42 11 00-0844	LF		87" x 63" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,278.81	97.15
33 42 11 00-0845	LF		95" x 67" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,367.40	104.09
33 42 11 00-0846	LF		103" x 71" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,455.53	111.03
33 42 11 00-0847	LF		112" x 75" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,544.81	117.97
33 42 11 00-0848	LF		117" x 79" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,638.31	124.91
33 42 11 00-0849	LF		128" x 83" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,734.79	138.79
33 42 11 00-0850	LF		137" x 87" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,835.63	152.66
33 42 11 00-0851	LF		142" x 91" 10 Gauge, 3" x 1" Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,950.68	166.54
<b>33 42 11 00-0852</b>			<b>125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0707)</b>		
<b>33 42 11 00-0853</b>			<b>12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0852)</b>		
33 42 11 00-0854	LF		81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,008.02	88.82
33 42 11 00-0855	LF		87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,082.90	97.15
33 42 11 00-0856	LF		95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,153.34	104.09
33 42 11 00-0857	LF		103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,223.71	111.03
33 42 11 00-0858	LF		112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,295.51	117.97
33 42 11 00-0859	LF		117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,372.17	124.91
33 42 11 00-0860	LF		128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,451.61	138.79
33 42 11 00-0861	LF		137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,545.12	152.66
<b>33 42 11 00-0862</b>			<b>10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch (33 42 11 00-0852)</b>		
33 42 11 00-0863	LF		81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,182.86	88.82
33 42 11 00-0864	LF		87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,271.62	97.15
33 42 11 00-0865	LF		95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,356.26	104.09
33 42 11 00-0866	LF		103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,441.29	111.03
33 42 11 00-0867	LF		112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,525.02	117.97
33 42 11 00-0868	LF		117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,617.71	124.91
33 42 11 00-0869	LF		128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,711.70	138.79
33 42 11 00-0870	LF		137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,819.75	152.66
33 42 11 00-0871	LF		142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Polymeric Corrugated Steel Pipe-Arch .....	1,920.78	166.54
<b>33 42 11 00-0872</b>			<b>Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0365)</b>		
<b>33 42 11 00-0873</b>			<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0872)</b>		
<b>33 42 11 00-0874</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0873)</b>		
33 42 11 00-0875	LF		12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	54.94	14.06
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	10.39	
33 42 11 00-0876	LF		15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	62.62	14.73
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.08	
33 42 11 00-0877	LF		18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	70.61	16.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	15.86	
33 42 11 00-0878	LF		21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	80.76	17.41
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.96	
33 42 11 00-0879	LF		24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	89.59	18.74
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	21.36	
33 42 11 00-0880	LF		30" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	118.03	24.10
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	27.71	
33 42 11 00-0881	LF		36" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	151.28	30.53
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	34.95	
33 42 11 00-0882	LF		42" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	172.99	36.09
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	41.34	
33 42 11 00-0883	LF		48" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	194.37	41.64
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	46.32	
<b>33 42 11 00-0884</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0873)</b>		
33 42 11 00-0885	LF		12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	60.54	14.06
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	9.87	
33 42 11 00-0886	LF		15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	69.55	14.73
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	12.38	
33 42 11 00-0887	LF		18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	78.87	16.07
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	14.97	
33 42 11 00-0888	LF		21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	90.34	17.41
			<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	17.80	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-0889	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	100.70		18.74
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	20.15		
33 42 11 00-0890	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	131.62		24.10
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	25.88		
33 42 11 00-0891	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	167.74		30.53
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	32.44		
33 42 11 00-0892	LF	42" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	191.94		36.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.20		
33 42 11 00-0893	LF	48" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	215.96		41.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.92		
33 42 11 00-0894	LF	54" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	258.95		47.19
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	52.77		
<b>33 42 11 00-0895</b>		<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>			
		<small>(33 42 11 00-0873)</small>			
33 42 11 00-0896	LF	18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	96.22		16.07
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	13.95		
33 42 11 00-0897	LF	21" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	110.61		17.41
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	16.51		
33 42 11 00-0898	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	123.72		18.74
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	18.70		
33 42 11 00-0899	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	160.36		24.10
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	23.85		
33 42 11 00-0900	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	202.40		30.53
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	29.59		
33 42 11 00-0901	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	232.10		36.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	34.71		
33 42 11 00-0902	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	261.78		41.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	39.15		
33 42 11 00-0903	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	311.28		47.19
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	47.27		
33 42 11 00-0904	LF	60" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	340.03		49.96
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.68		
33 42 11 00-0905	LF	66" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	415.19		61.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	63.56		
<b>33 42 11 00-0906</b>		<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>			
		<small>(33 42 11 00-0873)</small>			
33 42 11 00-0907	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	233.56		30.53
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	32.41		
33 42 11 00-0908	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	268.55		36.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	37.99		
33 42 11 00-0909	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	303.16		41.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	42.90		
33 42 11 00-0910	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	357.69		47.19
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.12		
33 42 11 00-0911	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	391.68		49.96
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	56.07		
33 42 11 00-0912	LF	66" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	471.92		61.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	67.65		
33 42 11 00-0913	LF	72" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	554.39		88.82
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	72.53		
<b>33 42 11 00-0914</b>		<b>3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>			
		<small>(33 42 11 00-0914)</small>			
<b>33 42 11 00-0915</b>		<b>16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>			
		<small>(33 42 11 00-0914)</small>			
33 42 11 00-0916	LF	36" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	175.78		30.53
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	38.85		
33 42 11 00-0917	LF	42" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	201.04		36.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	45.63		
33 42 11 00-0918	LF	48" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	225.91		41.64
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	51.17		
33 42 11 00-0919	LF	54" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	270.01		47.19
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	62.50		
33 42 11 00-0920	LF	60" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	294.21		49.96
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	68.10		
33 42 11 00-0921	LF	66" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	369.48		61.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	87.47		
33 42 11 00-0922	LF	72" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	443.00		88.82
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	93.23		
33 42 11 00-0923	LF	78" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	477.17		97.15
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	99.00		
33 42 11 00-0924	LF	84" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	507.60		104.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	104.80		
33 42 11 00-0925	LF	90" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	538.06		111.03
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	110.60		
33 42 11 00-0926	LF	96" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	569.46		117.97
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	116.38		
33 42 11 00-0927	LF	102" 16 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe	604.83		124.91
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	122.21		
<b>33 42 11 00-0928</b>		<b>14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b>			
		<small>(33 42 11 00-0914)</small>			



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
	33 42 11 00-0929	LF	54"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	298.16 54.16	47.19
	33 42 11 00-0930	LF	60"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	325.32 59.13	49.96
	33 42 11 00-0931	LF	66"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	403.71 74.44	61.06
	33 42 11 00-0932	LF	72"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	480.31 79.56	88.82
	33 42 11 00-0933	LF	78"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	517.49 84.68	97.15
	33 42 11 00-0934	LF	84"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	551.10 89.85	104.09
	33 42 11 00-0935	LF	90"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	584.51 94.96	111.03
	33 42 11 00-0936	LF	96"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	618.93 100.08	117.97
	33 42 11 00-0937	LF	102"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	657.32 105.23	124.91
	33 42 11 00-0938	LF	108"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	698.86 110.38	138.79
	33 42 11 00-0939	LF	114"	14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	739.54 115.44	152.66
	<b>33 42 11 00-0940</b>			<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0914)</small>		
	33 42 11 00-0941	LF	60"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	394.48 79.31	49.96
	33 42 11 00-0942	LF	66"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	480.28 97.03	61.06
	33 42 11 00-0943	LF	72"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	563.54 104.08	88.82
	33 42 11 00-0944	LF	78"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	607.50 111.15	97.15
	33 42 11 00-0945	LF	84"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	647.77 118.25	104.09
	33 42 11 00-0946	LF	90"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	687.96 125.33	111.03
	33 42 11 00-0947	LF	96"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	729.09 132.39	117.97
	33 42 11 00-0948	LF	102"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	774.21 139.49	124.91
	33 42 11 00-0949	LF	108"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	822.42 146.56	138.79
	33 42 11 00-0950	LF	114"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	869.86 153.58	152.66
	33 42 11 00-0951	LF	120"	12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	915.85 160.68	166.54
	<b>33 42 11 00-0952</b>			<b>10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0914)</small>		
	33 42 11 00-0953	LF	72"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	641.16 127.74	88.82
	33 42 11 00-0954	LF	78"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	691.36 136.69	97.15
	33 42 11 00-0955	LF	84"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	738.04 145.71	104.09
	33 42 11 00-0956	LF	90"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	784.53 154.68	111.03
	33 42 11 00-0957	LF	96"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	832.12 163.67	117.97
	33 42 11 00-0958	LF	102"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	883.63 172.69	124.91
	33 42 11 00-0959	LF	108"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	938.14 181.66	138.79
	33 42 11 00-0960	LF	114"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	991.93 190.58	152.66
	33 42 11 00-0961	LF	120"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,044.33 199.60	166.54
	33 42 11 00-0962	LF	126"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,099.23 208.55	180.42
	33 42 11 00-0963	LF	132"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,157.70 217.55	194.30
	33 42 11 00-0964	LF	138"	10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,220.44 226.58	208.17
	<b>33 42 11 00-0965</b>			<b>125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0872)</small>		
	<b>33 42 11 00-0966</b>			<b>16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-0965)</small>		
	33 42 11 00-0967	LF	48"	16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	226.81 63.40	41.64
	33 42 11 00-0968	LF	54"	16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	271.65 77.67	47.19
	33 42 11 00-0969	LF	60"	16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	295.64 84.47	49.96



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-0970	LF	66" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	366.30	61.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	106.34	
33 42 11 00-0971	LF	72" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	439.46	88.82
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	113.28	
33 42 11 00-0972	LF	78" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	473.20	97.15
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	120.21	
33 42 11 00-0973	LF	84" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	503.05	104.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	127.09	
33 42 11 00-0974	LF	90" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	532.82	111.03
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	133.94	
33 42 11 00-0975	LF	96" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	563.90	117.97
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	140.92	
33 42 11 00-0976	LF	102" 16 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	599.17	124.91
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	148.05	

**33 42 11 00-0977 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** (33 42 11 00-0965)

33 42 11 00-0978	LF	54" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	306.84	47.19
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	73.24	
33 42 11 00-0979	LF	60" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	334.85	49.96
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	79.97	
33 42 11 00-0980	LF	66" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	409.00	61.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	98.41	
33 42 11 00-0981	LF	72" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	485.65	88.82
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	105.06	
33 42 11 00-0982	LF	78" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	523.52	97.15
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	111.93	
33 42 11 00-0983	LF	84" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	557.29	104.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	118.70	
33 42 11 00-0984	LF	90" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	589.06	111.03
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	124.78	
33 42 11 00-0985	LF	96" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	625.75	117.97
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	132.19	
33 42 11 00-0986	LF	102" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	664.36	124.91
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	138.96	
33 42 11 00-0987	LF	108" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	705.95	138.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	145.65	
33 42 11 00-0988	LF	114" 14 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	747.47	152.66
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	152.50	

**33 42 11 00-0989 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** (33 42 11 00-0965)

33 42 11 00-0990	LF	60" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	408.13	49.96
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	88.23	
33 42 11 00-0991	LF	66" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	489.80	61.06
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	105.89	
33 42 11 00-0992	LF	72" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	574.12	88.82
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	113.68	
33 42 11 00-0993	LF	78" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	618.77	97.15
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	121.40	
33 42 11 00-0994	LF	84" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	659.47	104.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	129.07	
33 42 11 00-0995	LF	90" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	700.55	111.03
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	136.85	
33 42 11 00-0996	LF	96" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	742.37	117.97
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	144.55	
33 42 11 00-0997	LF	102" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	788.02	124.91
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	152.25	
33 42 11 00-0998	LF	108" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	837.07	138.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	160.02	
33 42 11 00-0999	LF	114" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	885.42	152.66
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	167.74	
33 42 11 00-1000	LF	120" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	931.99	166.54
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	175.45	

**33 42 11 00-1001 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Piping** (33 42 11 00-0965)

33 42 11 00-1002	LF	72" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	658.84	88.82
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	137.91	
33 42 11 00-1003	LF	78" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	711.37	97.15
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	147.88	
33 42 11 00-1004	LF	84" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	759.42	104.09
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	157.66	
33 42 11 00-1005	LF	90" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	807.17	111.03
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	167.34	
33 42 11 00-1006	LF	96" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	856.19	117.97
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	177.10	
33 42 11 00-1007	LF	102" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	908.87	124.91
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	186.82	
33 42 11 00-1008	LF	108" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	964.91	138.79
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	196.58	
33 42 11 00-1009	LF	114" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe	1,020.35	152.66
		<i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	206.33	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 11 00-1010	LF		120" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,073.85 216.02	166.54
33 42 11 00-1011	LF		126" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,141.03 228.84	180.42
33 42 11 00-1012	LF		132" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,203.63 239.39	194.30
33 42 11 00-1013	LF		138" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe..... <i>For 1/2 Bituminous Coated And 25% Paved, Add</i>	1,271.87 250.35	208.17
<b>33 42 11 00-1014</b>			<b>Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-0872)</b>		
<b>33 42 11 00-1015</b>			<b>16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1014)</b>		
33 42 11 00-1016	LF		18" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	80.08	16.07
33 42 11 00-1017	LF		21" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	91.72	17.41
33 42 11 00-1018	LF		24" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	102.55	18.74
33 42 11 00-1019	LF		30" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	133.85	24.10
33 42 11 00-1020	LF		36" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	169.86	30.53
33 42 11 00-1021	LF		42" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	194.42	36.09
33 42 11 00-1022	LF		48" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	219.29	41.64
33 42 11 00-1023	LF		54" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	260.43	47.19
33 42 11 00-1024	LF		60" 16 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	284.58	49.96
<b>33 42 11 00-1025</b>			<b>14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1014)</b>		
33 42 11 00-1026	LF		18" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	88.23	16.07
33 42 11 00-1027	LF		21" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	101.24	17.41
33 42 11 00-1028	LF		24" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	113.35	18.74
33 42 11 00-1029	LF		30" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	147.34	24.10
33 42 11 00-1030	LF		36" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	186.10	30.53
33 42 11 00-1031	LF		42" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	213.42	36.09
33 42 11 00-1032	LF		48" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	240.99	41.64
33 42 11 00-1033	LF		54" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	284.83	47.19
33 42 11 00-1034	LF		60" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	311.78	49.96
33 42 11 00-1035	LF		66" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	379.21	61.06
33 42 11 00-1036	LF		72" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	454.75	88.82
33 42 11 00-1037	LF		78" 14 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	491.14	97.15
<b>33 42 11 00-1038</b>			<b>12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Piping (33 42 11 00-1014)</b>		
33 42 11 00-1039	LF		30" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	174.70	24.10
33 42 11 00-1040	LF		36" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	218.85	30.53
33 42 11 00-1041	LF		42" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	251.78	36.09
33 42 11 00-1042	LF		48" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	284.75	41.64
33 42 11 00-1043	LF		54" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	334.04	47.19
33 42 11 00-1044	LF		60" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	366.54	49.96
33 42 11 00-1045	LF		66" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	439.32	61.06
33 42 11 00-1046	LF		72" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	520.26	88.82
33 42 11 00-1047	LF		78" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	562.10	97.15
33 42 11 00-1048	LF		84" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	599.99	104.09
33 42 11 00-1049	LF		90" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	637.96	111.03
33 42 11 00-1050	LF		96" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	676.76	117.97
33 42 11 00-1051	LF		102" 12 Gauge, Helical Ribbed, Aluminized Type 2 Corrugated Steel Pipe .....	716.85	124.91
<b>33 42 11 00-1052</b>			<b>Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-0365)</b>		
<b>33 42 11 00-1053</b>			<b>2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1052)</b>		
<b>33 42 11 00-1054</b>			<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1053)</b>		
33 42 11 00-1055	LF		17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	64.53 16.90	14.73
33 42 11 00-1056	LF		21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	72.30 20.19	16.07
33 42 11 00-1057	LF		24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	83.09 24.29	17.41
33 42 11 00-1058	LF		28" x 20" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	93.51 27.99	18.74
33 42 11 00-1059	LF		35" x 24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	121.57 35.56	24.10
33 42 11 00-1060	LF		42" x 29" 16 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	157.79 45.86	30.53
<b>33 42 11 00-1061</b>			<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch (33 42 11 00-1053)</b>		
33 42 11 00-1062	LF		17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	71.46 17.52	14.73
33 42 11 00-1063	LF		21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	80.72 20.98	16.07
33 42 11 00-1064	LF		24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	92.56 24.96	17.41

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-1065	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	104.46 28.79		18.74
33 42 11 00-1066	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	135.22 36.45		24.10
33 42 11 00-1067	LF	42" x 29" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	174.04 46.44		30.53
33 42 11 00-1068	LF	49" x 33" 14 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	200.83 55.32		36.09
<b>33 42 11 00-1069</b>		<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1053)</small>			
33 42 11 00-1070	LF	21" x 15" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	97.86 19.22		16.07
33 42 11 00-1071	LF	24" x 18" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	112.88 22.85		17.41
33 42 11 00-1072	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	127.48 26.23		18.74
33 42 11 00-1073	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	163.95 33.09		24.10
33 42 11 00-1074	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	208.75 41.61		30.53
33 42 11 00-1075	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	241.30 49.31		36.09
33 42 11 00-1076	LF	57" x 38" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	282.90 58.72		41.64
33 42 11 00-1077	LF	64" x 43" 12 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	315.41 64.73		47.19
<b>33 42 11 00-1078</b>		<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1053)</small>			
33 42 11 00-1079	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	239.91 43.79		30.53
33 42 11 00-1080	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	277.66 51.75		36.09
33 42 11 00-1081	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	324.12 61.10		41.64
33 42 11 00-1082	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	362.03 67.65		47.19
33 42 11 00-1083	LF	71" x 47" 10 Gauge, 2-2/3" x 1/2" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	396.39 74.19		49.96
<b>33 42 11 00-1084</b>		<b>3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1052)</small>			
<b>33 42 11 00-1085</b>		<b>14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1084)</small>			
33 42 11 00-1086	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	303.72 97.23		47.19
33 42 11 00-1087	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	331.94 106.39		49.96
33 42 11 00-1088	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	411.33 133.63		61.06
33 42 11 00-1089	LF	81" x 59" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	489.41 143.25		88.82
33 42 11 00-1090	LF	87" x 63" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	529.19 153.38		97.15
33 42 11 00-1091	LF	95" x 67" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	565.23 163.53		104.09
33 42 11 00-1092	LF	103" x 71" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	601.18 173.64		111.03
33 42 11 00-1093	LF	112" x 75" 14 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	638.19 183.77		117.97
<b>33 42 11 00-1094</b>		<b>12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1084)</small>			
33 42 11 00-1095	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	401.15 120.90		49.96
33 42 11 00-1096	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	488.06 147.76		61.06
33 42 11 00-1097	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	572.96 158.92		88.82
33 42 11 00-1098	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	619.40 170.47		97.15
33 42 11 00-1099	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	662.27 182.09		104.09
33 42 11 00-1100	LF	103" x 71" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	705.05 193.68		111.03
33 42 11 00-1101	LF	112" x 75" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	748.72 205.22		117.97
33 42 11 00-1102	LF	117" x 79" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	796.48 216.87		124.91
33 42 11 00-1103	LF	128" x 83" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch..... <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	847.28 228.45		138.79

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1104	LF	137" x 87" 12 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	900.45 241.21	152.66
<b>33 42 11 00-1105      10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1084)</small>				
33 42 11 00-1106	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	650.53 172.02	88.82
33 42 11 00-1107	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	703.43 184.81	97.15
33 42 11 00-1108	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	752.64 197.64	104.09
33 42 11 00-1109	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	801.67 210.40	111.03
33 42 11 00-1110	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	856.03 224.73	117.97
33 42 11 00-1111	LF	112" x 75" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	905.85 236.02	124.91
33 42 11 00-1112	LF	128" x 83" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	963.06 248.83	138.79
33 42 11 00-1113	LF	137" x 87" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	1,021.99 262.47	152.66
33 42 11 00-1114	LF	142" x 91" 10 Gauge, 3" x 1" Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	1,086.76 278.87	166.54
<b>33 42 11 00-1115      125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1052)</small>				
<b>33 42 11 00-1116      12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1115)</small>				
33 42 11 00-1117	LF	81" x 59" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	580.79 156.41	88.82
33 42 11 00-1118	LF	87" x 63" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	626.55 167.28	97.15
33 42 11 00-1119	LF	95" x 67" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	668.25 178.05	104.09
33 42 11 00-1120	LF	103" x 71" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	709.92 188.80	111.03
33 42 11 00-1121	LF	112" x 75" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	752.75 199.61	117.97
33 42 11 00-1122	LF	117" x 79" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	799.92 210.63	124.91
33 42 11 00-1123	LF	128" x 83" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	850.14 221.58	138.79
33 42 11 00-1124	LF	137" x 87" 12 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	906.95 235.30	152.66
<b>33 42 11 00-1125      10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch</b> <small>(33 42 11 00-1115)</small>				
33 42 11 00-1126	LF	81" x 59" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	666.72 173.49	88.82
33 42 11 00-1127	LF	87" x 63" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	719.36 185.87	97.15
33 42 11 00-1128	LF	95" x 67" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	767.99 198.18	104.09
33 42 11 00-1129	LF	103" x 71" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	816.86 210.56	111.03
33 42 11 00-1130	LF	112" x 75" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	865.56 222.53	117.97
33 42 11 00-1131	LF	117" x 79" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	920.62 235.40	124.91
33 42 11 00-1132	LF	128" x 83" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	977.98 247.95	138.79
33 42 11 00-1133	LF	137" x 87" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	1,041.83 262.99	152.66
33 42 11 00-1134	LF	142" x 91" 10 Gauge, 125 mm x 25 mm Corrugation, Aluminized Type 2 Corrugated Steel Pipe-Arch <i>For 1/2 Bituminous Coated And 40% Paved, Add</i>	1,101.58 277.20	166.54
<b>33 42 11 00-1135      Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-0365)</small>				
<b>33 42 11 00-1136      1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1135)</small>				
<b>33 42 11 00-1137      18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1136)</small>				
33 42 11 00-1138	LF	6" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	32.81 3.21	8.04
33 42 11 00-1139	LF	8" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	42.22 4.37	10.05
33 42 11 00-1140	LF	10" 18 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe <i>For Bituminous Coated Pipe, Add</i>	54.67 5.75	12.06



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 42 11 00-1141		16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1136)</sup>			
33 42 11 00-1142	LF	6" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	36.50 3.19		8.04
33 42 11 00-1143	LF	8" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	47.43 4.36		10.05
33 42 11 00-1144	LF	10" 16 Gauge, 1-1/2" x 1/4" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	61.63 5.76		12.06
33 42 11 00-1145		2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1135)</sup>			
33 42 11 00-1146		16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1145)</sup>			
33 42 11 00-1147	LF	12" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	63.41 6.33		14.06
33 42 11 00-1148	LF	15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	73.15 7.94		14.73
33 42 11 00-1149	LF	18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	83.50 9.65		16.07
33 42 11 00-1150	LF	21" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	96.07 11.51		17.41
33 42 11 00-1151	LF	24" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	107.31 13.06		18.74
33 42 11 00-1152		14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1145)</sup>			
33 42 11 00-1153	LF	12" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	71.32 6.19		14.06
33 42 11 00-1154	LF	15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	83.22 7.79		14.73
33 42 11 00-1155	LF	18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	95.57 9.44		16.07
33 42 11 00-1156	LF	21" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	110.07 11.21		17.41
33 42 11 00-1157	LF	24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	123.38 12.74		18.74
33 42 11 00-1158	LF	30" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	160.50 16.32		24.10
33 42 11 00-1159	LF	36" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	202.85 20.30		30.53
33 42 11 00-1160		12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1145)</sup>			
33 42 11 00-1161	LF	24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	154.09 12.09		18.74
33 42 11 00-1162	LF	30" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	198.74 15.38		24.10
33 42 11 00-1163	LF	36" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	248.78 18.95		30.53
33 42 11 00-1164	LF	42" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	287.08 22.29		36.09
33 42 11 00-1165	LF	48" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	324.68 25.23		41.64
33 42 11 00-1166	LF	54" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	382.04 29.93		47.19
33 42 11 00-1167		10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1145)</sup>			
33 42 11 00-1168	LF	36" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	297.74 18.64		30.53
33 42 11 00-1169	LF	42" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	344.10 21.88		36.09
33 42 11 00-1170	LF	48" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	390.04 24.83		41.64
33 42 11 00-1171	LF	54" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	455.57 29.13		47.19
33 42 11 00-1172	LF	60" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe ..... <i>For Bituminous Coated Pipe, Add</i>	500.91 32.10		49.96
33 42 11 00-1173		3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1135)</sup>			
33 42 11 00-1174		16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping <sup>(33 42 11 00-1173)</sup>			
33 42 11 00-1175	LF	30" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	158.00		24.10
33 42 11 00-1176	LF	36" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	199.73		30.53
33 42 11 00-1177	LF	42" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	228.84		36.09
33 42 11 00-1178	LF	48" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	259.15		41.64
33 42 11 00-1179	LF	54" 16 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe.....	306.13		47.19



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 42 11 00-1180</b>			<b>14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1173)</small>		
33 42 11 00-1181	LF		30" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	178.15	24.10
33 42 11 00-1182	LF		36" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	228.47	30.53
33 42 11 00-1183	LF		42" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	262.19	36.09
33 42 11 00-1184	LF		48" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	295.56	41.64
33 42 11 00-1185	LF		54" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	348.78	47.19
33 42 11 00-1186	LF		60" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	381.38	49.96
33 42 11 00-1187	LF		66" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	463.97	61.06
33 42 11 00-1188	LF		72" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	545.68	88.82
33 42 11 00-1189	LF		78" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	588.06	97.15

<b>33 42 11 00-1190</b>			<b>12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1173)</small>		
33 42 11 00-1191	LF		30" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	225.17	24.10
33 42 11 00-1192	LF		36" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	281.35	30.53
33 42 11 00-1193	LF		42" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	325.39	36.09
33 42 11 00-1194	LF		48" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	368.04	41.64
33 42 11 00-1195	LF		54" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	430.14	47.19
33 42 11 00-1196	LF		60" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	471.48	49.96
33 42 11 00-1197	LF		66" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	562.79	61.06
33 42 11 00-1198	LF		72" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	653.45	88.82
33 42 11 00-1199	LF		78" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	704.64	97.15
33 42 11 00-1200	LF		84" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	752.18	104.09
33 42 11 00-1201	LF		90" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	799.59	111.03
33 42 11 00-1202	LF		96" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	848.01	117.97

<b>33 42 11 00-1203</b>			<b>10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Piping</b> <small>(33 42 11 00-1173)</small>		
33 42 11 00-1204	LF		60" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	566.25	49.96
33 42 11 00-1205	LF		66" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	663.03	61.06
33 42 11 00-1206	LF		72" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	762.70	88.82
33 42 11 00-1207	LF		78" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	822.88	97.15
33 42 11 00-1208	LF		84" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	879.28	104.09
33 42 11 00-1209	LF		90" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	935.67	111.03
33 42 11 00-1210	LF		96" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	993.02	117.97
33 42 11 00-1211	LF		102" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	1,054.40	124.91
33 42 11 00-1212	LF		108" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Corrugated Aluminum Pipe .....	1,118.83	138.79

<b>33 42 11 00-1213</b>			<b>Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1135)</small>		
Note: Contech ULTRA FLO. HS 20 and HS 25 vehicular loading.					

<b>33 42 11 00-1214</b>			<b>16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1213)</small>		
33 42 11 00-1215	LF		18" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	110.61	16.07
33 42 11 00-1216	LF		21" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	118.97	17.41
33 42 11 00-1217	LF		24" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	143.35	18.74
33 42 11 00-1218	LF		27" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	165.52	21.42
33 42 11 00-1219	LF		30" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	185.60	24.10
33 42 11 00-1220	LF		33" 16 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	207.05	26.78

<b>33 42 11 00-1221</b>			<b>14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1213)</small>		
33 42 11 00-1222	LF		18" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	127.65	16.07
33 42 11 00-1223	LF		21" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	147.54	17.41
33 42 11 00-1224	LF		24" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	166.26	18.74
33 42 11 00-1225	LF		27" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	191.24	21.42
33 42 11 00-1226	LF		30" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	214.12	24.10
33 42 11 00-1227	LF		33" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	238.48	26.78
33 42 11 00-1228	LF		36" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	267.59	30.53
33 42 11 00-1229	LF		42" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	308.98	36.09
33 42 11 00-1230	LF		48" 14 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	349.62	41.64

<b>33 42 11 00-1231</b>			<b>12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1213)</small>		
33 42 11 00-1232	LF		30" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	269.89	24.10
33 42 11 00-1233	LF		33" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	299.70	26.78
33 42 11 00-1234	LF		36" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	334.47	30.53
33 42 11 00-1235	LF		42" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	387.08	36.09
33 42 11 00-1236	LF		48" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	438.88	41.64
33 42 11 00-1237	LF		54" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	607.44	47.19
33 42 11 00-1238	LF		60" 12 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	668.57	49.96

<b>33 42 11 00-1239</b>			<b>10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Piping</b> <small>(33 42 11 00-1213)</small>		
33 42 11 00-1240	LF		48" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	620.75	41.64

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 11 00-1241	LF	54" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	719.56		47.19
33 42 11 00-1242	LF	60" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	793.29		49.96
33 42 11 00-1243	LF	66" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	921.57		61.06
33 42 11 00-1244	LF	72" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	1,042.72		88.82
33 42 11 00-1245	LF	78" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	1,125.41		97.15
33 42 11 00-1246	LF	84" 10 Gauge, Exterior Box Corrugation, Aluminized Type 2 Corrugated Steel Pipe .....	1,203.62		104.09
33 42 11 00-1247		<b>Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-0365)</small>			
33 42 11 00-1248		<b>2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1247)</small>			
33 42 11 00-1249		<b>16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b>			
		<small>(33 42 11 00-1248)</small>			
33 42 11 00-1250	LF	17" x 13" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	76.74		14.73
		<i>For Bituminous Coated Pipe, Add</i>	7.95		
33 42 11 00-1251	LF	21" x 15" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	86.90		16.07
		<i>For Bituminous Coated Pipe, Add</i>	9.50		
33 42 11 00-1252	LF	24" x 18" 16 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	99.95		17.41
		<i>For Bituminous Coated Pipe, Add</i>	11.31		
33 42 11 00-1253		<b>14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b>			
		<small>(33 42 11 00-1248)</small>			
33 42 11 00-1254	LF	17" x 13" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	86.84		14.73
		<i>For Bituminous Coated Pipe, Add</i>	7.92		
33 42 11 00-1255	LF	21" x 15" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	96.59		16.07
		<i>For Bituminous Coated Pipe, Add</i>	9.13		
33 42 11 00-1256	LF	24" x 18" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	113.95		17.41
		<i>For Bituminous Coated Pipe, Add</i>	11.22		
33 42 11 00-1257	LF	28" x 20" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	128.64		18.74
		<i>For Bituminous Coated Pipe, Add</i>	12.87		
33 42 11 00-1258	LF	35" x 24" 14 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	165.74		24.10
		<i>For Bituminous Coated Pipe, Add</i>	16.28		
33 42 11 00-1259		<b>12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b>			
		<small>(33 42 11 00-1248)</small>			
33 42 11 00-1260	LF	28" x 20" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	159.38		18.74
		<i>For Bituminous Coated Pipe, Add</i>	12.27		
33 42 11 00-1261	LF	35" x 24" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	204.08		24.10
		<i>For Bituminous Coated Pipe, Add</i>	15.46		
33 42 11 00-1262	LF	42" x 29" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	257.80		30.53
		<i>For Bituminous Coated Pipe, Add</i>	19.30		
33 42 11 00-1263	LF	49" x 33" 12 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	298.96		36.09
		<i>For Bituminous Coated Pipe, Add</i>	22.83		
33 42 11 00-1264		<b>10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b>			
		<small>(33 42 11 00-1248)</small>			
33 42 11 00-1265	LF	42" x 29" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	306.69		30.53
		<i>For Bituminous Coated Pipe, Add</i>	18.63		
33 42 11 00-1266	LF	49" x 33" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	356.08		36.09
		<i>For Bituminous Coated Pipe, Add</i>	21.98		
33 42 11 00-1267	LF	57" x 38" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	414.09		41.64
		<i>For Bituminous Coated Pipe, Add</i>	25.75		
33 42 11 00-1268	LF	64" x 43" 10 Gauge, 2-2/3" x 1/2" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	463.47		47.19
		<i>For Bituminous Coated Pipe, Add</i>	28.65		
33 42 11 00-1269		<b>3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1247)</small>			
33 42 11 00-1270		<b>14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1269)</small>			
33 42 11 00-1271	LF	60" x 46" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	356.68		47.19
33 42 11 00-1272	LF	66" x 51" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	390.57		49.96
33 42 11 00-1273	LF	73" x 55" 14 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	475.33		61.06
33 42 11 00-1274		<b>12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1269)</small>			
33 42 11 00-1275	LF	60" x 46" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	438.04		47.19
33 42 11 00-1276	LF	66" x 51" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	480.67		49.96
33 42 11 00-1277	LF	73" x 55" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	573.74		61.06
33 42 11 00-1278	LF	81" x 59" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	665.24		88.82
33 42 11 00-1279	LF	87" x 63" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	717.26		97.15
33 42 11 00-1280	LF	95" x 67" 12 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	765.63		104.09
33 42 11 00-1281		<b>10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch</b> <small>(33 42 11 00-1269)</small>			
33 42 11 00-1282	LF	66" x 51" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	575.30		49.96
33 42 11 00-1283	LF	73" x 55" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	673.58		61.06
33 42 11 00-1284	LF	81" x 59" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	774.05		88.82
33 42 11 00-1285	LF	87" x 63" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	835.07		97.15
33 42 11 00-1286	LF	95" x 67" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	892.30		104.09
33 42 11 00-1287	LF	103" x 71" 10 Gauge, 3" x 1" Corrugation, Spiral Lockseam Aluminum Pipe-Arch.....	949.51		111.03

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-1288		<b>Corrugated Steel Pipe Fittings</b> (33 42 11 00-0365)	
		Note: Equivalent pipe-arch sizes are approximate.	
33 42 11 00-1289		<b>Fabricate 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fittings</b> (33 42 11 00-1289)	
		Note: Excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.	
33 42 11 00-1290	EA	Fabricate 6" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	138.49
33 42 11 00-1291	EA	Fabricate 8" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	173.67
33 42 11 00-1292	EA	Fabricate 10" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 2' Of Appropriate Pipe) .....	208.87
33 42 11 00-1293	EA	Fabricate 12" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	246.26
33 42 11 00-1294	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	299.00
33 42 11 00-1295	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	351.74
33 42 11 00-1296	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	404.52
33 42 11 00-1297	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	457.26
33 42 11 00-1298	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) .....	595.79
33 42 11 00-1299	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) .....	710.08
33 42 11 00-1300	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) .....	824.42
33 42 11 00-1301	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) .....	1,066.25
33 42 11 00-1302	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe) .....	1,202.57
33 42 11 00-1303	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe) .....	1,343.28
33 42 11 00-1304	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe) .....	1,488.37
33 42 11 00-1305	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe) .....	1,813.74
33 42 11 00-1306	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe) .....	1,978.60
33 42 11 00-1307	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 10' Of Appropriate Pipe) .....	2,147.88
33 42 11 00-1308	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) .....	2,635.95
33 42 11 00-1309	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) .....	2,829.43
33 42 11 00-1310	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) .....	3,025.10
33 42 11 00-1311	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe) .....	3,220.74
33 42 11 00-1312	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe) .....	3,414.20
33 42 11 00-1313	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe) .....	3,609.88
33 42 11 00-1314	EA	Fabricate 126" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	3,816.17
33 42 11 00-1315	EA	Fabricate 132" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	4,034.26
33 42 11 00-1316	EA	Fabricate 138" 2-Piece Single Miter Elbow, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	4,264.77
33 42 11 00-1317		<b>Fabricate Corrugated Steel Pipe Tees Or Laterals</b> (33 42 11 00-1288)	
		Note: Fabrication charge excludes material. Use appropriate size, gauge, corrugation and type of material from pipe sections for the listed requirements of pipe needed.	
33 42 11 00-1318	EA	Fabricate 6" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) .....	180.28
33 42 11 00-1319	EA	Fabricate 8" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) .....	230.85
33 42 11 00-1320	EA	Fabricate 10" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) .....	281.37
33 42 11 00-1321	EA	Fabricate 12" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 3' Of Appropriate Pipe) .....	331.98
33 42 11 00-1322	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 4' Of Appropriate Pipe) .....	404.52
33 42 11 00-1323	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) .....	479.25
33 42 11 00-1324	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) .....	554.03
33 42 11 00-1325	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 6' Of Appropriate Pipe) .....	628.72
33 42 11 00-1326	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 8' Of Appropriate Pipe) .....	824.42
33 42 11 00-1327	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe) .....	982.72
33 42 11 00-1328	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe) .....	1,143.19
33 42 11 00-1329	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 9' Of Appropriate Pipe) .....	1,483.94
33 42 11 00-1330	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) .....	1,670.82
33 42 11 00-1331	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) .....	1,864.27
33 42 11 00-1332	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 12' Of Appropriate Pipe) .....	2,062.14
33 42 11 00-1333	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 14' Of Appropriate Pipe) .....	2,515.01
33 42 11 00-1334	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe) .....	2,739.29

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 11 00-1335	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 16' Of Appropriate Pipe).....	2,967.92	
33 42 11 00-1336	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	3,651.59	
33 42 11 00-1337	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 18' Of Appropriate Pipe).....	3,913.24	
33 42 11 00-1338	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	4,174.85	
33 42 11 00-1339	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 20' Of Appropriate Pipe).....	4,438.65	
33 42 11 00-1340	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	4,702.48	
33 42 11 00-1341	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 21' Of Appropriate Pipe).....	4,964.06	
33 42 11 00-1342	EA	Fabricate 126" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 23' Of Appropriate Pipe).....	5,240.23	
33 42 11 00-1343	EA	Fabricate 132" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	5,531.75	
33 42 11 00-1344	EA	Fabricate 138" Tee Or Lateral, Corrugated Steel Pipe Fitting (Requires 24' Of Appropriate Pipe).....	5,839.45	

**33 42 11 00-1345 Fabricate Skew Or Bevel Ends, Corrugated Steel Pipe Fitting (33 42 11 00-1288)**

Note: Applied to pipe tasks.

33 42 11 00-1346	EA	Fabricate 6" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	70.29	
33 42 11 00-1347	EA	Fabricate 8" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	88.41	
33 42 11 00-1348	EA	Fabricate 10" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	111.21	
33 42 11 00-1349	EA	Fabricate 12" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	136.17	
33 42 11 00-1350	EA	Fabricate 15" (Or 17" x 13" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	172.32	
33 42 11 00-1351	EA	Fabricate 18" (Or 21" x 15" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	211.00	
33 42 11 00-1352	EA	Fabricate 21" (Or 24" x 18" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	247.14	
33 42 11 00-1353	EA	Fabricate 24" (Or 28" x 20" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	287.15	
33 42 11 00-1354	EA	Fabricate 30" (Or 35" x 24" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	352.69	
33 42 11 00-1355	EA	Fabricate 36" (Or 42" x 29" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	420.50	
33 42 11 00-1356	EA	Fabricate 42" (Or 49" x 33" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	501.74	
33 42 11 00-1357	EA	Fabricate 48" (Or 57" x 38" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	617.19	
33 42 11 00-1358	EA	Fabricate 54" (Or 64" x 43" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	698.59	
33 42 11 00-1359	EA	Fabricate 60" (Or 71" x 47" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	786.73	
33 42 11 00-1360	EA	Fabricate 66" (Or 77" x 52" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	954.07	
33 42 11 00-1361	EA	Fabricate 72" (Or 83" x 57" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,058.03	
33 42 11 00-1362	EA	Fabricate 78" (Or 87" x 63" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,290.90	
33 42 11 00-1363	EA	Fabricate 84" (Or 95" x 67" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,406.24	
33 42 11 00-1364	EA	Fabricate 90" (Or 103" x 71" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,528.36	
33 42 11 00-1365	EA	Fabricate 96" (Or 112" x 75" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,648.10	
33 42 11 00-1366	EA	Fabricate 102" (Or 117" x 79" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,770.19	
33 42 11 00-1367	EA	Fabricate 108" (Or 128" x 83" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	1,894.51	
33 42 11 00-1368	EA	Fabricate 114" (Or 137" x 87" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	2,016.64	
33 42 11 00-1369	EA	Fabricate 120" (Or 142" x 91" Pipe-Arch) Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	2,138.69	
33 42 11 00-1370	EA	Fabricate 126" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	2,268.14	
33 42 11 00-1371	EA	Fabricate 132" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	2,405.38	
33 42 11 00-1372	EA	Fabricate 138" Skew Or Bevel End, Corrugated Steel Pipe Fitting.....	2,550.97	

**33 42 11 00-1373 Coupling Bands, Corrugated Metal Pipe Fitting (33 42 11 00-1288)**

33 42 11 00-1374	EA	6" Coupling Band, Corrugated Metal Pipe Fitting.....	18.41	
		<i>For Bituminous Coated, Add</i>	5.34	
33 42 11 00-1375	EA	8" Coupling Band, Corrugated Metal Pipe Fitting.....	24.45	
		<i>For Bituminous Coated, Add</i>	7.09	
33 42 11 00-1376	EA	10" Coupling Band, Corrugated Metal Pipe Fitting.....	30.80	
		<i>For Bituminous Coated, Add</i>	8.93	
33 42 11 00-1377	EA	12" Coupling Band, Corrugated Metal Pipe Fitting.....	51.11	
		<i>For Bituminous Coated, Add</i>	14.82	
33 42 11 00-1378	EA	15" Coupling Band, Corrugated Metal Pipe Fitting.....	64.45	
		<i>For Bituminous Coated, Add</i>	18.69	
33 42 11 00-1379	EA	18" Coupling Band, Corrugated Metal Pipe Fitting.....	94.56	
		<i>For Bituminous Coated, Add</i>	27.42	
33 42 11 00-1380	EA	21" Coupling Band, Corrugated Metal Pipe Fitting.....	112.23	
		<i>For Bituminous Coated, Add</i>	32.55	
33 42 11 00-1381	EA	24" Coupling Band, Corrugated Metal Pipe Fitting.....	127.26	
		<i>For Bituminous Coated, Add</i>	36.91	
33 42 11 00-1382	EA	30" Coupling Band, Corrugated Metal Pipe Fitting.....	220.22	
		<i>For Bituminous Coated, Add</i>	63.86	
33 42 11 00-1383	EA	36" Coupling Band, Corrugated Metal Pipe Fitting.....	352.35	
		<i>For Bituminous Coated, Add</i>	84.56	
33 42 11 00-1384	EA	42" Coupling Band, Corrugated Metal Pipe Fitting.....	413.99	
		<i>For Bituminous Coated, Add</i>	99.36	
33 42 11 00-1385	EA	48" Coupling Band, Corrugated Metal Pipe Fitting.....	463.89	
		<i>For Bituminous Coated, Add</i>	111.33	
33 42 11 00-1386	EA	54" Coupling Band, Corrugated Metal Pipe Fitting.....	657.87	
		<i>For Bituminous Coated, Add</i>	157.89	
33 42 11 00-1387	EA	60" Coupling Band, Corrugated Metal Pipe Fitting.....	940.95	
		<i>For Bituminous Coated, Add</i>	169.37	
33 42 11 00-1388	EA	66" Coupling Band, Corrugated Metal Pipe Fitting.....	1,156.41	
		<i>For Bituminous Coated, Add</i>	208.15	
33 42 11 00-1389	EA	72" Coupling Band, Corrugated Metal Pipe Fitting.....	1,485.48	
		<i>For Bituminous Coated, Add</i>	207.97	
33 42 11 00-1390	EA	78" Coupling Band, Corrugated Metal Pipe Fitting.....	1,588.82	
		<i>For Bituminous Coated, Add</i>	222.43	
33 42 11 00-1391	EA	84" Coupling Band, Corrugated Metal Pipe Fitting.....	1,692.74	
		<i>For Bituminous Coated, Add</i>	236.98	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 11 00-1392	EA		90" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,796.13 251.46	
33 42 11 00-1393	EA		96" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	1,899.79 265.97	
33 42 11 00-1394	EA		102" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,003.71 280.52	
33 42 11 00-1395	EA		108" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,107.15 295.00	
33 42 11 00-1396	EA		114" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,495.69 299.48	
33 42 11 00-1397	EA		120" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,313.89 277.67	
33 42 11 00-1398	EA		126" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,417.01 290.04	
33 42 11 00-1399	EA		132" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,520.88 302.51	
33 42 11 00-1400	EA		138" Coupling Band, Corrugated Metal Pipe Fitting <i>For Bituminous Coated, Add</i>	2,624.86 314.98	

**33 42 13 Stormwater Culverts (33 42)**

**33 42 13 13 Precast Concrete Stormwater Culverts (33 42 13)**

**33 42 13 13-0001 Precast Reinforced Concrete Box Culvert (33 42 13 13)**

Note: The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0735 for crane lifting equipment.

33 42 13 13-0002	LF		3' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	472.58 18.90	69.39
33 42 13 13-0003	LF		4' x 2' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	527.35 21.09	69.39
33 42 13 13-0004	LF		4' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	615.82 24.63	69.39
33 42 13 13-0005	LF		5' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	741.34 29.65	86.75
33 42 13 13-0006	LF		5' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	758.19 30.33	86.75
33 42 13 13-0007	LF		5' x 5' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	766.61 30.66	86.75
33 42 13 13-0008	LF		6' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	790.88 31.64	90.21
33 42 13 13-0009	LF		6' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	795.09 31.80	90.21
33 42 13 13-0010	LF		6' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	870.92 34.84	90.21
33 42 13 13-0011	LF		7' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	900.55 36.02	104.09
33 42 13 13-0012	LF		7' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	980.57 39.22	141.56
33 42 13 13-0013	LF		8' x 2' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	875.14 35.01	90.21
33 42 13 13-0014	LF		8' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	904.77 36.19	104.09
33 42 13 13-0015	LF		8' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	917.40 36.70	104.09
33 42 13 13-0016	LF		8' x 5' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,114.50 44.58	138.79
33 42 13 13-0017	LF		8' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,117.88 44.72	138.79
33 42 13 13-0018	LF		8' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,248.42 49.94	173.48
33 42 13 13-0019	LF		9' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,223.20 48.93	138.79
33 42 13 13-0020	LF		9' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,309.93 52.40	173.48
33 42 13 13-0021	LF		10' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,314.14 52.57	173.48
33 42 13 13-0022	LF		10' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,575.35 63.01	173.48
33 42 13 13-0023	LF		10' x 5' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,666.29 66.65	208.17
33 42 13 13-0024	LF		10' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,683.14 67.33	208.17
33 42 13 13-0025	LF		10' x 7' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,687.36 67.49	208.17
33 42 13 13-0026	LF		10' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,693.25 67.73	208.17
33 42 13 13-0027	LF		12' x 3' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,774.07 70.96	242.87
33 42 13 13-0028	LF		12' x 4' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,774.07 70.96	242.87
33 42 13 13-0029	LF		12' x 6' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,774.07 70.96	242.87
33 42 13 13-0030	LF		12' x 8' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	1,774.07 70.96	242.87
33 42 13 13-0031	LF		16' x 10' Precast Reinforced Concrete Box Culvert <i>For Each LF Of Cut-Off Section, Add</i>	2,539.10 101.56	277.57



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

33 42 13 13-0032	LF	24' x 10' Precast Reinforced Concrete Box Culvert	3,465.96	277.57
		<i>For Each LF Of Cut-Off Section, Add</i>	138.64	

**33 42 13 13-0033 Precast Reinforced Concrete Box Culvert For Roadways** (33 42 13 13)

Note: AASHTO HL-93 Rated. The quantity required shall be the entire length of the culvert including the length of the cut-off sections. Includes delivery, handling, hoisting into place, alignment, bracing, permanent connections, grouting of joints and caulking of joints. Excludes crane, excavation and backfill. Minimum length 6'-0". See CSI section 01 22 23 00-0735 for crane lifting equipment.

33 42 13 13-0034	LF	3' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,117.59	69.39
		<i>For Each LF Of Cut-Off Section, Add</i>	44.70	
33 42 13 13-0035	LF	4' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,198.52	69.39
		<i>For Each LF Of Cut-Off Section, Add</i>	47.94	
33 42 13 13-0036	LF	4' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,341.76	69.39
		<i>For Each LF Of Cut-Off Section, Add</i>	53.67	
33 42 13 13-0037	LF	5' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,522.00	86.75
		<i>For Each LF Of Cut-Off Section, Add</i>	60.88	
33 42 13 13-0038	LF	5' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,665.23	86.75
		<i>For Each LF Of Cut-Off Section, Add</i>	66.61	
33 42 13 13-0039	LF	5' x 5' Precast Reinforced Concrete Box Culvert For Roadways	1,808.46	86.75
		<i>For Each LF Of Cut-Off Section, Add</i>	72.34	
33 42 13 13-0040	LF	6' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,672.64	90.21
		<i>For Each LF Of Cut-Off Section, Add</i>	66.91	
33 42 13 13-0041	LF	6' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,815.87	90.21
		<i>For Each LF Of Cut-Off Section, Add</i>	72.63	
33 42 13 13-0042	LF	6' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,102.34	90.21
		<i>For Each LF Of Cut-Off Section, Add</i>	84.09	
33 42 13 13-0043	LF	7' x 4' Precast Reinforced Concrete Box Culvert For Roadways	1,988.74	104.09
		<i>For Each LF Of Cut-Off Section, Add</i>	79.55	
33 42 13 13-0044	LF	7' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,355.19	141.56
		<i>For Each LF Of Cut-Off Section, Add</i>	94.21	
33 42 13 13-0045	LF	8' x 2' Precast Reinforced Concrete Box Culvert For Roadways	1,815.87	90.21
		<i>For Each LF Of Cut-Off Section, Add</i>	72.63	
33 42 13 13-0046	LF	8' x 3' Precast Reinforced Concrete Box Culvert For Roadways	1,988.74	104.09
		<i>For Each LF Of Cut-Off Section, Add</i>	79.55	
33 42 13 13-0047	LF	8' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,131.97	104.09
		<i>For Each LF Of Cut-Off Section, Add</i>	85.28	
33 42 13 13-0048	LF	8' x 5' Precast Reinforced Concrete Box Culvert For Roadways	2,349.25	138.79
		<i>For Each LF Of Cut-Off Section, Add</i>	93.97	
33 42 13 13-0049	LF	8' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,492.48	138.79
		<i>For Each LF Of Cut-Off Section, Add</i>	99.70	
33 42 13 13-0050	LF	8' x 8' Precast Reinforced Concrete Box Culvert For Roadways	2,853.04	173.48
		<i>For Each LF Of Cut-Off Section, Add</i>	114.12	
33 42 13 13-0051	LF	9' x 4' Precast Reinforced Concrete Box Culvert For Roadways	2,515.93	138.79
		<i>For Each LF Of Cut-Off Section, Add</i>	100.64	
33 42 13 13-0052	LF	9' x 6' Precast Reinforced Concrete Box Culvert For Roadways	2,896.15	173.48
		<i>For Each LF Of Cut-Off Section, Add</i>	115.85	
33 42 13 13-0053	LF	10' x 3' Precast Reinforced Concrete Box Culvert For Roadways	2,864.98	173.48
		<i>For Each LF Of Cut-Off Section, Add</i>	114.60	
33 42 13 13-0054	LF	10' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,035.06	173.48
		<i>For Each LF Of Cut-Off Section, Add</i>	121.40	
33 42 13 13-0055	LF	10' x 5' Precast Reinforced Concrete Box Culvert For Roadways	3,279.22	208.17
		<i>For Each LF Of Cut-Off Section, Add</i>	131.17	
33 42 13 13-0056	LF	10' x 6' Precast Reinforced Concrete Box Culvert For Roadways	3,449.30	208.17
		<i>For Each LF Of Cut-Off Section, Add</i>	137.97	
33 42 13 13-0057	LF	10' x 7' Precast Reinforced Concrete Box Culvert For Roadways	3,619.40	208.17
		<i>For Each LF Of Cut-Off Section, Add</i>	144.78	
33 42 13 13-0058	LF	10' x 8' Precast Reinforced Concrete Box Culvert For Roadways	3,789.48	208.17
		<i>For Each LF Of Cut-Off Section, Add</i>	151.58	
33 42 13 13-0059	LF	12' x 3' Precast Reinforced Concrete Box Culvert For Roadways	3,805.68	242.87
		<i>For Each LF Of Cut-Off Section, Add</i>	152.23	
33 42 13 13-0060	LF	12' x 4' Precast Reinforced Concrete Box Culvert For Roadways	3,999.01	242.87
		<i>For Each LF Of Cut-Off Section, Add</i>	159.96	
33 42 13 13-0061	LF	12' x 6' Precast Reinforced Concrete Box Culvert For Roadways	4,385.73	242.87
		<i>For Each LF Of Cut-Off Section, Add</i>	175.43	
33 42 13 13-0062	LF	12' x 8' Precast Reinforced Concrete Box Culvert For Roadways	4,772.45	242.87
		<i>For Each LF Of Cut-Off Section, Add</i>	190.90	
33 42 13 13-0063	LF	16' x 10' Precast Reinforced Concrete Box Culvert For Roadways	5,705.91	277.57
		<i>For Each LF Of Cut-Off Section, Add</i>	228.24	
33 42 13 13-0064	LF	24' x 10' Precast Reinforced Concrete Box Culvert For Roadways	7,166.82	277.57
		<i>For Each LF Of Cut-Off Section, Add</i>	286.67	

**33 42 23 Headwalls and Endwalls for Stormwater Piping** (33 42)**33 42 23 00-0001 Headwalls** (33 42 23)

Note: Excludes excavation and backfill. Select pipe with closest opening area for square or round culverts.

**33 42 23 00-0002 Precast Concrete Headwalls** (33 42 23 00-0001)

33 42 23 00-0003	EA	12" Pipe, Precast Concrete Headwall	1,102.72	241.04
33 42 23 00-0004	EA	15" Pipe, Precast Concrete Headwall	1,142.90	254.44
33 42 23 00-0005	EA	18" Pipe, Precast Concrete Headwall	1,258.84	289.26
33 42 23 00-0006	EA	24" Pipe, Precast Concrete Headwall	1,389.44	308.01
33 42 23 00-0007	EA	30" Pipe, Precast Concrete Headwall	1,853.61	361.57
33 42 23 00-0008	EA	36" Pipe, Precast Concrete Headwall	2,085.51	374.97
33 42 23 00-0009	EA	42" Pipe, Precast Concrete Headwall	2,699.52	428.29
33 42 23 00-0010	EA	48" Pipe, Precast Concrete Headwall	2,978.75	471.87
33 42 23 00-0011	EA	54" Pipe, Precast Concrete Headwall	3,285.92	499.62
33 42 23 00-0012	EA	60" Pipe, Precast Concrete Headwall	3,725.87	499.62

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 23 00-0013	EA		72" Pipe, Precast Concrete Headwall .....	4,494.72	624.53
33 42 23 00-0014	EA		84" Pipe, Precast Concrete Headwall .....	6,353.49	749.44
<b>33 42 23 00-0015</b>			<b>Precast Concrete Wingwalls</b> <small>(33 42 23 00-0001)</small>		
33 42 23 00-0016	EA		18" ID Pipe (26" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	6,809.07	2,473.15
33 42 23 00-0017	EA		24" ID Pipe (32" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,225.43	2,747.94
33 42 23 00-0018	EA		30" ID Pipe (42" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	7,919.35	3,205.93
33 42 23 00-0019	EA		33" ID Pipe (46" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	8,613.28	3,663.93
33 42 23 00-0020	EA		36" ID Pipe (50" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	8,613.28	3,663.93
33 42 23 00-0021	EA		44" ID Pipe (56" Hole) Precast Concrete Wingwall..... Note: 12" Thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	8,890.85	3,847.12
33 42 23 00-0022	EA		48" ID Pipe (62" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at 0-30 degrees off centerline of pipe.	15,089.70	3,938.72
33 42 23 00-0023	EA		52" ID Pipe (66" Hole) Precast Concrete Wingwall..... Note: 12" thick wall and base. Wingwalls are configured at zero degrees only off centerline of pipe.	15,506.05	4,213.51
<b>33 42 23 00-0024</b>			<b>Precast Concrete Transverse Drainage Interceptor</b> <small>(33 42 23 00-0001)</small>		
33 42 23 00-0025	EA		34" x 48" x 28" Precast Concrete Transverse Drainage Interceptor With Frame And Grate.....	3,728.69	971.50
<b>33 42 26</b>			<b>End Sections for Stormwater Piping</b> <small>(33 42)</small>		
<b>33 42 26 16</b>			<b>Corrugated Metal End Sections for Stormwater Piping</b> <small>(33 42 26)</small>		
33 42 26 16-0001			Corrugated Metal Pipe End Sections <small>(33 42 26 16)</small>		
33 42 26 16-0002			Galvanized Corrugated Steel Pipe End Sections <small>(33 42 26 16-0001)</small>		
33 42 26 16-0003			Type 1 Galvanized Corrugated Steel Pipe End Sections <small>(33 42 26 16-0002)</small> Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.		
33 42 26 16-0004	EA		12" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	374.05	93.74
33 42 26 16-0005	EA		15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	434.22	100.43
33 42 26 16-0006	EA		18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	507.08	107.13
33 42 26 16-0007	EA		21" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	614.28	117.18
33 42 26 16-0008	EA		24" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe End Section .....	680.50	127.21
33 42 26 16-0009			Type 2 Galvanized Corrugated Steel Pipe End Sections <small>(33 42 26 16-0002)</small> Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.		
33 42 26 16-0010	EA		30" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	1,098.02	143.96
33 42 26 16-0011	EA		36" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	1,416.04	166.54
33 42 26 16-0012	EA		42" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	2,177.85	194.30
33 42 26 16-0013	EA		48" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	2,661.54	222.06
33 42 26 16-0014	EA		54" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	3,169.68	277.57
33 42 26 16-0015	EA		60" 10 Gauge, Type 2 Galvanized Corrugated Steel Pipe End Section .....	3,701.07	333.09
33 42 26 16-0016			Type 3 Or 5 Galvanized Corrugated Steel Pipe End Sections <small>(33 42 26 16-0002)</small> Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.		
33 42 26 16-0017	EA		12" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	390.72	93.74
33 42 26 16-0018	EA		15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	451.36	100.43
33 42 26 16-0019	EA		18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	533.43	107.13
33 42 26 16-0020	EA		21" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	645.91	117.18
33 42 26 16-0021	EA		24" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	716.37	127.21
33 42 26 16-0022	EA		30" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,208.18	143.96
33 42 26 16-0023	EA		36" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	1,552.35	166.54
33 42 26 16-0024	EA		42" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	2,476.55	194.30
33 42 26 16-0025	EA		48" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,047.01	222.06
33 42 26 16-0026	EA		54" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	3,559.49	277.57
33 42 26 16-0027	EA		60" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	4,935.69	333.09
33 42 26 16-0028	EA		66" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	5,594.14	499.62
33 42 26 16-0029	EA		72" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	6,541.30	666.17
33 42 26 16-0030	EA		78" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	7,125.90	714.74
33 42 26 16-0031	EA		84" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe End Section.....	7,724.77	763.32
33 42 26 16-0032			Toe Plate Extensions For Galvanized Corrugated Steel Pipe End Section <small>(33 42 26 16-0002)</small>		
33 42 26 16-0033	EA		Toe Plate Extension For 12" Diameter Galvanized Corrugated Steel Pipe End Section .....	49.32	
33 42 26 16-0034	EA		Toe Plate Extension For 15" Diameter Galvanized Corrugated Steel Pipe End Section .....	54.96	
33 42 26 16-0035	EA		Toe Plate Extension For 18" Diameter Galvanized Corrugated Steel Pipe End Section .....	61.85	
33 42 26 16-0036	EA		Toe Plate Extension For 21" Diameter Galvanized Corrugated Steel Pipe End Section .....	67.25	
33 42 26 16-0037	EA		Toe Plate Extension For 24" Diameter Galvanized Corrugated Steel Pipe End Section .....	75.27	
33 42 26 16-0038	EA		Toe Plate Extension For 30" Diameter Galvanized Corrugated Steel Pipe End Section .....	131.30	
33 42 26 16-0039	EA		Toe Plate Extension For 36" Diameter Galvanized Corrugated Steel Pipe End Section .....	141.29	
33 42 26 16-0040	EA		Toe Plate Extension For 42" Diameter Galvanized Corrugated Steel Pipe End Section .....	193.38	
33 42 26 16-0041	EA		Toe Plate Extension For 48" Diameter Galvanized Corrugated Steel Pipe End Section .....	207.02	
33 42 26 16-0042	EA		Toe Plate Extension For 54" Diameter Galvanized Corrugated Steel Pipe End Section .....	252.75	
33 42 26 16-0043	EA		Toe Plate Extension For 60" Diameter Galvanized Corrugated Steel Pipe End Section .....	258.99	
33 42 26 16-0044	EA		Toe Plate Extension For 66" Diameter Galvanized Corrugated Steel Pipe End Section .....	276.62	

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 26 16-0045	EA	Toe Plate Extension For 72" Diameter Galvanized Corrugated Steel Pipe End Section .....	315.11	
33 42 26 16-0046	EA	Toe Plate Extension For 78" Diameter Galvanized Corrugated Steel Pipe End Section .....	352.43	
33 42 26 16-0047	EA	84" Diameter Galvanized Corrugated Steel Pipe End Section Toe Plate Extension .....	361.17	

**33 42 26 16-0048 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0001)**33 42 26 16-0049 Type 1 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Used with annular corrugations, no band required. Consists of a 12 gauge steel strap with a 6" bolt and nut.

33 42 26 16-0050	EA	17" x 13" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	434.22	100.43
33 42 26 16-0051	EA	21" x 15" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	507.08	107.13
33 42 26 16-0052	EA	24" x 18" 16 Gauge, Type 1 Galvanized Corrugated Steel Pipe-Arch End Section .....	614.27	117.18

**33 42 26 16-0053 Type 2 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Partial circumferential rod with two hinge type lugs used with annular corrugations. No band required.

33 42 26 16-0054	EA	17" x 13" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	419.82	100.43
33 42 26 16-0055	EA	21" x 15" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	480.47	107.13
33 42 26 16-0056	EA	24" x 18" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	538.08	117.18
33 42 26 16-0057	EA	28" x 20" 16 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	607.74	127.21
33 42 26 16-0058	EA	35" x 24" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	890.60	143.96
33 42 26 16-0059	EA	42" x 29" 14 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,290.92	166.54
33 42 26 16-0060	EA	49" x 33" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,013.88	194.30
33 42 26 16-0061	EA	57" x 38" 12 Gauge, Type 2 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,552.27	222.06

**33 42 26 16-0062 Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Sections** (33 42 26 16-0048)

Note: Stubbed with 1' of pipe (excluded in price). Used with all pipe having annular end corrugations.

33 42 26 16-0063	EA	17" x 13" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	427.13	100.43
33 42 26 16-0064	EA	21" x 15" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	496.34	107.13
33 42 26 16-0065	EA	24" x 18" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	562.90	117.18
33 42 26 16-0066	EA	28" x 20" 16 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	637.16	127.21
33 42 26 16-0067	EA	35" x 24" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	940.60	143.96
33 42 26 16-0068	EA	42" x 29" 14 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	1,359.13	166.54
33 42 26 16-0069	EA	49" x 33" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,122.98	194.30
33 42 26 16-0070	EA	57" x 38" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	2,677.83	222.06
33 42 26 16-0071	EA	64" x 43" 12 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	3,221.27	277.57
33 42 26 16-0072	EA	71" x 47" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	4,236.74	333.09
33 42 26 16-0073	EA	77" x 52" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	5,910.95	499.62
33 42 26 16-0074	EA	83" x 57" 10 Gauge, Type 3 Or 5 Galvanized Corrugated Steel Pipe-Arch End Section .....	6,537.06	666.17

**33 42 26 16-0075 Toe Plate Extensions For Galvanized Corrugated Steel Pipe-Arch End Section** (33 42 26 16-0048)

33 42 26 16-0076	EA	Toe Plate Extension For 17" x 13" Galvanized Corrugated Steel Pipe-Arch End Section .....	54.96	
33 42 26 16-0077	EA	Toe Plate Extension For 21" x 15" Galvanized Corrugated Steel Pipe-Arch End Section .....	61.85	
33 42 26 16-0078	EA	Toe Plate Extension For 24" x 18" Galvanized Corrugated Steel Pipe-Arch End Section .....	67.25	
33 42 26 16-0079	EA	Toe Plate Extension For 28" x 20" Galvanized Corrugated Steel Pipe-Arch End Section .....	75.27	
33 42 26 16-0080	EA	Toe Plate Extension For 35" x 24" Galvanized Corrugated Steel Pipe-Arch End Section .....	131.30	
33 42 26 16-0081	EA	Toe Plate Extension For 42" x 29" Galvanized Corrugated Steel Pipe-Arch End Section .....	141.29	
33 42 26 16-0082	EA	Toe Plate Extension For 49" x 33" Galvanized Corrugated Steel Pipe-Arch End Section .....	193.38	
33 42 26 16-0083	EA	Toe Plate Extension For 57" x 38" Galvanized Corrugated Steel Pipe-Arch End Section .....	215.27	
33 42 26 16-0084	EA	Toe Plate Extension For 64" x 43" Galvanized Corrugated Steel Pipe-Arch End Section .....	252.75	
33 42 26 16-0085	EA	Toe Plate Extension For 71" x 47" Galvanized Corrugated Steel Pipe-Arch End Section .....	262.27	
33 42 26 16-0086	EA	Toe Plate Extension For 77" x 52" Galvanized Corrugated Steel Pipe-Arch End Section .....	303.39	
33 42 26 16-0087	EA	Toe Plate Extension For 83" x 57" Galvanized Corrugated Steel Pipe-Arch End Section .....	344.59	

**33 42 26 16-0088 Corrugated Aluminum Pipe End Sections** (33 42 26 16-0001)**33 42 26 16-0089 Corrugated Aluminum Pipe End Sections** (33 42 26 16-0088)

33 42 26 16-0090	EA	12" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	567.79	93.74
33 42 26 16-0091	EA	15" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	654.81	100.43
33 42 26 16-0092	EA	18" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	777.04	107.13
33 42 26 16-0093	EA	21" Diameter 16 Gauge, Corrugated Aluminum Pipe End Section .....	964.24	117.18
33 42 26 16-0094	EA	24" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,260.91	127.21
33 42 26 16-0095	EA	30" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	1,893.66	143.96
33 42 26 16-0096	EA	36" Diameter 14 Gauge, Corrugated Aluminum Pipe End Section .....	2,566.91	166.54
33 42 26 16-0097	EA	36" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	3,200.76	166.54
33 42 26 16-0098	EA	42" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	4,084.81	194.30
33 42 26 16-0099	EA	48" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	5,837.55	222.06
33 42 26 16-0100	EA	54" Diameter 12 Gauge, Corrugated Aluminum Pipe End Section .....	6,461.95	277.57
33 42 26 16-0101	EA	60" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	8,715.13	333.09
33 42 26 16-0102	EA	66" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	9,854.98	499.62
33 42 26 16-0103	EA	72" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	11,515.75	666.17
33 42 26 16-0104	EA	78" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	12,578.86	714.74
33 42 26 16-0105	EA	84" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	13,271.79	763.32
33 42 26 16-0106	EA	90" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	18,185.20	832.71
33 42 26 16-0107	EA	96" Diameter 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	20,134.36	902.10

**33 42 26 16-0108 Toe Plate Extensions For Corrugated Aluminum Pipe End Section** (33 42 26 16-0088)

33 42 26 16-0109	EA	Toe Plate Extension For 12" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	88.88	
33 42 26 16-0110	EA	Toe Plate Extension For 15" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	94.26	
33 42 26 16-0111	EA	Toe Plate Extension For 18" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section .....	102.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 26 16-0112	EA		Toe Plate Extension For 21" Diameter, 16 Gauge, Corrugated Aluminum Pipe End Section.....	115.32	
33 42 26 16-0113	EA		Toe Plate Extension For 24" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	122.29	
33 42 26 16-0114	EA		Toe Plate Extension For 30" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	158.29	
33 42 26 16-0115	EA		Toe Plate Extension For 36" Diameter, 14 Gauge, Corrugated Aluminum Pipe End Section.....	187.00	
33 42 26 16-0116	EA		Toe Plate Extension For 36" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	197.58	
33 42 26 16-0117	EA		Toe Plate Extension For 42" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	216.75	
33 42 26 16-0118	EA		Toe Plate Extension For 48" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	245.01	
33 42 26 16-0119	EA		Toe Plate Extension For 54" Diameter, 12 Gauge, Corrugated Aluminum Pipe End Section.....	289.91	
33 42 26 16-0120	EA		Toe Plate Extension For 60" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	407.55	
33 42 26 16-0121	EA		Toe Plate Extension For 66" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	438.24	
33 42 26 16-0122	EA		Toe Plate Extension For 72" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	553.80	
33 42 26 16-0123	EA		Toe Plate Extension For 78" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	599.11	
33 42 26 16-0124	EA		Toe Plate Extension For 84" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	638.30	
33 42 26 16-0125	EA		Toe Plate Extension For 90" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	679.55	
33 42 26 16-0126	EA		Toe Plate Extension For 96" Diameter, 12 And 10 Gauge, Corrugated Aluminum Pipe End Section .....	721.21	

**33 42 26 16-0127 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0001)**

**33 42 26 16-0128 Corrugated Aluminum Pipe-Arch End Sections (33 42 26 16-0127)**

33 42 26 16-0129	EA		17" x 13" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	675.29	100.43
33 42 26 16-0130	EA		21" x 15" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	826.98	107.13
33 42 26 16-0131	EA		24" x 18" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	898.01	117.18
33 42 26 16-0132	EA		28" x 20" 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	968.96	127.21
33 42 26 16-0133	EA		35" x 24" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	1,455.73	143.96
33 42 26 16-0134	EA		42" x 29" 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	2,596.04	166.54
33 42 26 16-0135	EA		42" x 29" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	2,756.75	166.54
33 42 26 16-0136	EA		49" x 33" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	3,688.43	194.30
33 42 26 16-0137	EA		57" x 38" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	5,683.20	222.06
33 42 26 16-0138	EA		64" x 43" 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	6,503.85	277.57
33 42 26 16-0139	EA		71" x 47" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	7,864.06	333.09
33 42 26 16-0140	EA		77" x 52" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	13,181.64	499.62
33 42 26 16-0141	EA		83" x 57" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	13,816.45	666.17
33 42 26 16-0142	EA		87" x 63" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	15,045.10	714.74
33 42 26 16-0143	EA		95" x 67" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	15,701.01	763.32
33 42 26 16-0144	EA		103" x 71" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	17,114.12	832.71
33 42 26 16-0145	EA		112" x 75" 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	18,127.71	902.10

**33 42 26 16-0146 Toe Plate Extensions For Corrugated Aluminum Pipe-Arch End Section (33 42 26 16-0127)**

33 42 26 16-0147	EA		Toe Plate Extension For 17" x 13", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	94.26	
33 42 26 16-0148	EA		Toe Plate Extension For 21" x 15", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	102.36	
33 42 26 16-0149	EA		Toe Plate Extension For 24" x 18", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	107.91	
33 42 26 16-0150	EA		Toe Plate Extension For 28" x 20", 16 Gauge, Corrugated Aluminum Pipe-Arch End Section.....	118.22	
33 42 26 16-0151	EA		Toe Plate Extension For 35" x 24", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	135.01	
33 42 26 16-0152	EA		Toe Plate Extension For 42" x 29", 14 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	173.61	
33 42 26 16-0153	EA		Toe Plate Extension For 42" x 29", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	190.49	
33 42 26 16-0154	EA		Toe Plate Extension For 49" x 33", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	216.75	
33 42 26 16-0155	EA		Toe Plate Extension For 57" x 38", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	245.01	
33 42 26 16-0156	EA		Toe Plate Extension For 64" x 43", 12 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	289.91	
33 42 26 16-0157	EA		Toe Plate Extension For 71" x 47", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	370.01	
33 42 26 16-0158	EA		Toe Plate Extension For 77" x 52", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	469.67	
33 42 26 16-0159	EA		Toe Plate Extension For 83" x 57", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	632.38	
33 42 26 16-0160	EA		Toe Plate Extension For 87" x 63", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	718.72	
33 42 26 16-0161	EA		Toe Plate Extension For 95" x 67", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	752.38	
33 42 26 16-0162	EA		Toe Plate Extension For 103" x 71", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	779.66	
33 42 26 16-0163	EA		Toe Plate Extension For 112" x 75", 12 And 10 Gauge, Corrugated Aluminum Pipe-Arch End Section .....	813.17	

**33 42 26 16-0164 Low Slope Corrugated Steel Pipe End Sections And Accessories (33 42 26 16-0001)**

**33 42 26 16-0165 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)**

33 42 26 16-0166	EA		15" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	872.05	100.43
33 42 26 16-0167	EA		18" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,125.26	107.13
33 42 26 16-0168	EA		21" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,379.23	117.18
33 42 26 16-0169	EA		24" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,651.28	127.21
33 42 26 16-0170	EA		30" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	1,746.10	143.96
33 42 26 16-0171	EA		36" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	2,274.07	166.54
33 42 26 16-0172	EA		42" 16 Gauge, 4:1 Corrugated Steel Pipe End Section .....	3,609.26	194.30

**33 42 26 16-0173 3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)**

Note: Includes nut and bolt set.					
33 42 26 16-0174	EA		3" Diameter Parallel Safety Bar For 15" 4:1 Corrugated Steel Pipe End Section .....	623.70	
33 42 26 16-0175	EA		3" Diameter Parallel Safety Bar For 18" 4:1 Corrugated Steel Pipe End Section .....	1,255.53	
33 42 26 16-0176	EA		3" Diameter Parallel Safety Bar For 21" 4:1 Corrugated Steel Pipe End Section .....	1,377.82	
33 42 26 16-0177	EA		3" Diameter Parallel Safety Bar For 24" 4:1 Corrugated Steel Pipe End Section .....	1,432.14	

**33 42 26 16-0178 6:1 Corrugated Steel Pipe End Sections (33 42 26 16-0164)**

33 42 26 16-0179	EA		15" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	913.67	100.43
33 42 26 16-0180	EA		18" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,200.12	107.13
33 42 26 16-0181	EA		21" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....	1,599.53	117.18



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 26 16-0182	EA	24" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....		1,880.24	127.21
33 42 26 16-0183	EA	30" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....		2,232.16	143.96
33 42 26 16-0184	EA	36" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....		2,703.09	166.54
33 42 26 16-0185	EA	42" 16 Gauge, 6:1 Corrugated Steel Pipe End Section .....		4,146.03	194.30
<b>33 42 26 16-0186</b>		<b>3" Diameter Parallel Safety Bar For 6:1 Corrugated Steel Pipe End Sections</b> (33 42 26 16-0164)			
		Note: Includes nut and bolt set.			
33 42 26 16-0187	EA	3" Diameter Parallel Safety Bar For 15" 6:1 Corrugated Steel Pipe End Section .....		1,218.03	
33 42 26 16-0188	EA	3" Diameter Parallel Safety Bar For 18" 6:1 Corrugated Steel Pipe End Section .....		1,292.36	
33 42 26 16-0189	EA	3" Diameter Parallel Safety Bar For 21" 6:1 Corrugated Steel Pipe End Section .....		1,421.34	
33 42 26 16-0190	EA	3" Diameter Parallel Safety Bar For 24" 6:1 Corrugated Steel Pipe End Section .....		1,492.41	
<b>33 42 26 16-0191</b>		<b>Toe Plate Extensions For Low Slope Corrugated Steel Pipe End Section</b> (33 42 26 16-0164)			
33 42 26 16-0192	EA	Toe Plate Extension For 15" Low Slope Corrugated Steel Pipe End Section .....		105.29	
33 42 26 16-0193	EA	Toe Plate Extension For 18" Low Slope Corrugated Steel Pipe End Section .....		118.35	
33 42 26 16-0194	EA	Toe Plate Extension For 21" Low Slope Corrugated Steel Pipe End Section .....		128.84	
33 42 26 16-0195	EA	Toe Plate Extension For 24" Low Slope Corrugated Steel Pipe End Section .....		143.93	
33 42 26 16-0196	EA	Toe Plate Extension For 30" Low Slope Corrugated Steel Pipe End Section .....		219.05	
33 42 26 16-0197	EA	Toe Plate Extension For 36" Low Slope Corrugated Steel Pipe End Section .....		235.14	
33 42 26 16-0198	EA	Toe Plate Extension For 42" Low Slope Corrugated Steel Pipe End Section .....		316.07	
<b>33 42 26 16-0199</b>		<b>Low Slope Corrugated Steel Pipe-Arch End Sections And Accessories</b> (33 42 26 16-0001)			
<b>33 42 26 16-0200</b>		<b>4:1 Corrugated Steel Pipe-Arch End Section</b> (33 42 26 16-0199)			
33 42 26 16-0201	EA	21" x 15" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....		1,037.59	107.13
33 42 26 16-0202	EA	24" x 18" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....		1,303.71	117.18
33 42 26 16-0203	EA	28" x 20" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....		1,544.32	127.21
33 42 26 16-0204	EA	35" x 24" 16 Gauge, 4:1 Corrugated Steel Pipe-Arch End Section .....		2,920.40	143.96
<b>33 42 26 16-0205</b>		<b>3" Diameter Parallel Safety Bar For 4:1 Corrugated Steel Pipe-Arch End Sections</b> (33 42 26 16-0199)			
		Note: Includes nut and bolt set.			
33 42 26 16-0206	EA	3" Diameter Parallel Safety Bar For 21" x 15" 4:1 Corrugated Steel Pipe-Arch End Section .....		743.78	
33 42 26 16-0207	EA	3" Diameter Parallel Safety Bar For 24" x 18" 4:1 Corrugated Steel Pipe-Arch End Section .....		1,359.49	
33 42 26 16-0208	EA	3" Diameter Parallel Safety Bar For 28" x 20" 4:1 Corrugated Steel Pipe-Arch End Section .....		1,432.14	
33 42 26 16-0209	EA	3" Diameter Parallel Safety Bar For 35" x 24" 4:1 Corrugated Steel Pipe-Arch End Section .....		2,110.36	
<b>33 42 26 16-0210</b>		<b>Toe Plate Extensions For Low Slope Corrugated Steel Pipe-Arch End Section</b> (33 42 26 16-0199)			
33 42 26 16-0211	EA	Toe Plate Extension For 21" x 15" Low Slope Corrugated Steel Pipe-Arch End Section .....		106.40	
33 42 26 16-0212	EA	Toe Plate Extension For 24" x 18" Low Slope Corrugated Steel Pipe-Arch End Section .....		120.83	
33 42 26 16-0213	EA	Toe Plate Extension For 28" x 20" Low Slope Corrugated Steel Pipe-Arch End Section .....		131.74	
33 42 26 16-0214	EA	Toe Plate Extension For 35" x 24" Low Slope Corrugated Steel Pipe-Arch End Section .....		156.65	
<b>33 42 26 19</b>		<b>Corrugated High-Density Polyethylene (HDPE) End Sections for Stormwater Piping</b> (33 42 26)			
<b>33 42 26 19-0001</b>		<b>Corrugated High Density Polyethylene (HDPE) Pipe End Sections</b> (33 42 26 19)			
33 42 26 19-0002	EA	10" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....		323.55	80.40
33 42 26 19-0003	EA	12" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....		384.54	90.45
33 42 26 19-0004	EA	15" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....		408.12	97.15
33 42 26 19-0005	EA	18" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....		486.75	107.19
33 42 26 19-0006	EA	24" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....		629.62	127.30
33 42 26 19-0007	EA	30" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....		1,305.92	144.04
33 42 26 19-0008	EA	36" End Section, Corrugated High Density Polyethylene (HDPE) Pipe .....		1,593.91	160.79
<b>33 42 26 23</b>		<b>Concrete End Sections for Stormwater Piping</b> (33 42 26)			
<b>33 42 26 23-0001</b>		<b>Precast Concrete End Sections</b> (33 42 26 23)			
<b>33 42 26 23-0002</b>		<b>Precast Concrete End Sections</b> (33 42 26 23-0001)			
33 42 26 23-0003	EA	12" Diameter Pipe, Precast Concrete End Section .....		768.69	157.08
33 42 26 23-0004	EA	15" Diameter Pipe, Precast Concrete End Section .....		1,026.03	194.44
33 42 26 23-0005	EA	18" Diameter Pipe, Precast Concrete End Section .....		1,272.34	246.14
33 42 26 23-0006	EA	21" Diameter Pipe, Precast Concrete End Section .....		1,464.37	294.34
33 42 26 23-0007	EA	24" Diameter Pipe, Precast Concrete End Section .....		1,566.40	340.68
33 42 26 23-0008	EA	27" Diameter Pipe, Precast Concrete End Section .....		1,962.95	413.58
33 42 26 23-0009	EA	30" Diameter Pipe, Precast Concrete End Section .....		2,453.75	621.20
33 42 26 23-0010	EA	36" Diameter Pipe, Precast Concrete End Section .....		3,035.15	783.85
33 42 26 23-0011	EA	42" Diameter Pipe, Precast Concrete End Section .....		3,683.57	983.30
33 42 26 23-0012	EA	48" Diameter Pipe, Precast Concrete End Section .....		4,047.42	1,108.89
33 42 26 23-0013	EA	54" Diameter Pipe, Precast Concrete End Section .....		4,425.32	1,242.13
33 42 26 23-0014	EA	60" Diameter Pipe, Precast Concrete End Section .....		4,813.21	1,380.91



MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 42 26 23-0015</b>	<b>Flared Precast Concrete End Sections</b> <small>(33 42 26 23-0001)</small>		
33 42 26 23-0016	EA 12" Diameter Pipe, Flared Precast Concrete End Section.....	948.65	161.68
33 42 26 23-0017	EA 15" Diameter Pipe, Flared Precast Concrete End Section.....	1,144.24	201.52
33 42 26 23-0018	EA 18" Diameter Pipe, Flared Precast Concrete End Section.....	1,392.59	255.08
33 42 26 23-0019	EA 21" Diameter Pipe, Flared Precast Concrete End Section.....	1,595.71	305.05
33 42 26 23-0020	EA 24" Diameter Pipe, Flared Precast Concrete End Section.....	1,940.84	353.07
33 42 26 23-0021	EA 27" Diameter Pipe, Flared Precast Concrete End Section.....	2,385.99	563.88
33 42 26 23-0022	EA 30" Diameter Pipe, Flared Precast Concrete End Section.....	2,544.86	776.37
33 42 26 23-0023	EA 36" Diameter Pipe, Flared Precast Concrete End Section.....	3,415.58	979.82
33 42 26 23-0024	EA 42" Diameter Pipe, Flared Precast Concrete End Section.....	4,116.24	1,229.36
33 42 26 23-0025	EA 48" Diameter Pipe, Flared Precast Concrete End Section.....	4,472.51	1,386.46
33 42 26 23-0026	EA 54" Diameter Pipe, Flared Precast Concrete End Section.....	5,003.24	1,552.86
33 42 26 23-0027	EA 60" Diameter Pipe, Flared Precast Concrete End Section.....	5,545.00	1,724.82

**33 42 31 Stormwater Area Drains and Inlets** (33 42)

<b>33 42 31 00-0001</b>	<b>Storm Drains</b> <small>(33 42 31)</small>		
<b>33 42 31 00-0002</b>	<b>Catch Basins And Inlet Basins</b> <small>(33 42 31 00-0001)</small>		

Note: Includes base slab, opening and grout. Excludes frame, grate, excavation and backfill.

<b>33 42 31 00-0003</b>	<b>Catch Basin</b> <small>(33 42 31 00-0002)</small>		
	Note: Consisting of an SDR 35 pipe body with ductile iron grates. Pedestrian safe grates are available. Basins range in size from 8" to 30". 8" And 10" basin not traffic bearing and limited because of the small size of the basin. 12" And larger basins are much more adaptable allowing pipe penetrations up to the diameter of the basin (i.e. a 12" diameter pipe can fit a 12" basin, two pipes may be attached at 180 degree). Basins will fit high density polyethylene (HDPE) and other plastic piping. Penetrations are factory installed where specified. Basin is factory sized to accommodate the rim and invert for each location. No grout is required to seal piping, factory specified gaskets are included. No field adjustment to grade is necessary, yet height changes can be accommodated in the field. A concrete collar poured in the field is required for water loading (12" through 30").		
33 42 31 00-0004	EA 8" Diameter Fixed 13" High Basin For 4" And 6" Pipe With Ductile Iron Grate .....	539.02	
33 42 31 00-0005	EA 8" Diameter Basin Up To 3' 6" Rim To Invert Dimension .....	790.74	
	<i>For Each Additional 1' Or Part, Add</i>	9.00	
33 42 31 00-0006	EA 10" Diameter 20" Fixed Height Basin For 4", 6" And 8" Pipe Only .....	752.85	
33 42 31 00-0007	EA 10" Diameter Basin Up To 3' 6" Rim To Invert Dimension .....	1,074.48	
	<i>For Each Additional 1' Or Part, Add</i>	11.04	
33 42 31 00-0008	EA 12" Locking Ductile Grate 24" Standard Height .....	2,047.36	
	<i>For Each Additional 1' Or Part, Add</i>	18.19	
33 42 31 00-0009	EA 15" Locking Ductile Grate 30" Standard Height .....	2,679.42	
	<i>For Each Additional 1' Or Part, Add</i>	28.90	
33 42 31 00-0010	EA 18" Locking Ductile Grate 36" Standard Height .....	3,014.73	
	<i>For Each Additional 1' Or Part, Add</i>	22.70	
33 42 31 00-0011	EA 24" Locking Ductile Grate 36" Standard Height .....	4,531.76	
	<i>For Each Additional 1' Or Part, Add</i>	38.00	
33 42 31 00-0012	EA 30" Locking Ductile Grate 48" Standard Height .....	8,181.23	
	<i>For Each Additional 1' Or Part, Add</i>	86.00	

**33 42 31 00-0013** **Catch Basin Frames And Covers** (33 42 31 00-0001)

Note: Syracuse Castings

**33 42 31 00-0014** **Galvanized Welded Steel Frames And Rectangular Or Reticuline Grates** (33 42 31 00-0013)

**33 42 31 00-0015** **Galvanized Welded Steel Frames For Rectangular Or Reticuline Grates** (33 42 31 00-0014)

33 42 31 00-0016	EA 1'-11-15/16" x 2'-3-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #1).....	490.93	160.52
33 42 31 00-0017	EA 1'-11-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #2).....	549.71	190.48
33 42 31 00-0018	EA 1'-11-15/16" x 3'-1-1/2" Outside Dimension, 54 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #3).....	519.54	160.80
33 42 31 00-0019	EA 1'-11-15/16" x 3'-6-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #4).....	606.10	166.95
33 42 31 00-0020	EA 1'-11-15/16" x 3'-11-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #5).....	630.72	226.30
33 42 31 00-0021	EA 2'-2-7/16" x 2'-3-1/2" Outside Dimension, 57 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #6).....	507.61	169.66
33 42 31 00-0022	EA 2'-2-7/16" x 3'-1-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #7).....	579.88	202.47
33 42 31 00-0023	EA 2'-2-7/16" x 3'-11-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #8).....	647.40	235.14
33 42 31 00-0024	EA 2'-4-15/16" x 2'-3-1/2" Outside Dimension, 60 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #9).....	524.29	178.64
33 42 31 00-0025	EA 2'-4-15/16" x 2'-8-1/2" Outside Dimension, 65 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #10).....	563.20	193.48
33 42 31 00-0026	EA 2'-4-15/16" x 3'-1-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #11).....	606.10	211.32
33 42 31 00-0027	EA 2'-4-15/16" x 3'-6-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #12).....	552.92	160.80
33 42 31 00-0028	EA 2'-4-15/16" x 3'-11-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #13).....	664.06	244.14
33 42 31 00-0029	EA 2'-7-7/16" x 2'-8-1/2" Outside Dimension, 68 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #14).....	584.65	202.47
33 42 31 00-0030	EA 2'-7-7/16" x 3'-1-1/2" Outside Dimension, 74 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #15).....	622.77	220.31
33 42 31 00-0031	EA 2'-7-7/16" x 3'-11-1/2" Outside Dimension, 85 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #16).....	685.51	252.98

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
33 42 31 00-0032	EA	2'-9-15/16" x 3'-1-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #17).....		548.16	160.80
33 42 31 00-0033	EA	3'-0-7/16" x 3'-1-1/2" Outside Dimension, 79 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #18).....		656.93	235.14
33 42 31 00-0034	EA	3'-2-15/16" x 2'-3-1/2" Outside Dimension, 71 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #19).....		596.56	211.32
33 42 31 00-0035	EA	3'-2-15/16" x 2'-8-1/2" Outside Dimension, 76 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #20).....		548.16	160.80
33 42 31 00-0036	EA	3'-2-15/16" x 3'-1-1/2" Outside Dimension, 82 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #21).....		668.83	244.14
33 42 31 00-0037	EA	3'-2-15/16" x 3'-6-1/2" Outside Dimension, 87 LB, Galvanized Welded Steel Frame For Rectangular Or Reticuline Grates (NYS DOT #22).....		707.76	258.97
<b>33 42 31 00-0038 Galvanized Welded Steel Rectangular Grates For Galvanized Welded Steel Frames (33 42 31 00-0014)</b>					
33 42 31 00-0039	EA	1'-10-11/16" x 2'-2-1/2", 79 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #1).....		848.28	107.02
33 42 31 00-0040	EA	1'-10-11/16" x 2'-7-1/2", 88 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #2).....		929.35	107.02
33 42 31 00-0041	EA	1'-10-11/16" x 3'-0-1/2", 94 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #3).....		977.04	107.02
33 42 31 00-0042	EA	1'-10-11/16" x 3'-5-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #4).....		1,127.16	124.85
33 42 31 00-0043	EA	1'-10-11/16" x 3'-10-1/2", 124 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #5).....		1,274.99	124.85
33 42 31 00-0044	EA	2'-1-3/16" x 2'-2-1/2", 91 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #6).....		934.12	107.02
33 42 31 00-0045	EA	2'-1-3/16" x 3'-0-1/2", 108 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #7).....		1,117.62	124.85
33 42 31 00-0046	EA	2'-1-3/16" x 3'-10-1/2", 165 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #8).....		1,420.34	142.69
33 42 31 00-0047	EA	2'-3-11/16" x 2'-2-1/2", 99 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #9).....		977.04	107.02
33 42 31 00-0048	EA	2'-3-11/16" x 2'-7-1/2", 109 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #10).....		1,117.62	124.85
33 42 31 00-0049	EA	2'-3-3/16" x 3'-0-1/2", 117 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #11).....		1,203.46	124.85
33 42 31 00-0050	EA	2'-3-11/16" x 3'-5-1/2", 128 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #12).....		1,322.68	124.85
33 42 31 00-0051	EA	2'-3-11/16" x 3'-10-1/2", 180 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #13).....		1,549.10	142.69
33 42 31 00-0052	EA	2'-6-3/16" x 2'-7-1/2", 121 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #14).....		1,184.38	124.85
33 42 31 00-0053	EA	2'-6-3/16" x 3'-0-1/2", 130 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #15).....		1,260.69	124.85
33 42 31 00-0054	EA	2'-6-3/16" x 3'-10-1/2", 201 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #16).....		1,669.17	160.52
33 42 31 00-0055	EA	2'-8-11/16" x 3'-0-1/2", 145 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #17).....		583.52	124.85
33 42 31 00-0056	EA	2'-11-3/16" x 3'-0-1/2", 155 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #18).....		628.72	142.69
33 42 31 00-0057	EA	3'-1-11/16" x 2'-2-1/2", 133 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #19).....		564.44	124.85
33 42 31 00-0058	EA	3'-1-11/16" x 2'-7-1/2", 146 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #20).....		583.52	124.85
33 42 31 00-0059	EA	3'-1-11/16" x 3'-0-1/2", 171 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #21).....		628.72	142.69
33 42 31 00-0060	EA	3'-1-11/16" x 3'-5-1/2", 185 LB, Galvanized Steel Rectangular Grate For Welded Steel Frame (NYS DOT #22).....		647.80	142.69
<b>33 42 31 00-0061 Galvanized Steel Reticuline Grates For Galvanized Welded Steel Frames (33 42 31 00-0014)</b>					
33 42 31 00-0062	EA	1'-10-11/16" x 2'-2-1/2", 94 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #1).....		924.58	107.02
33 42 31 00-0063	EA	1'-10-11/16" x 2'-7-1/2", 106 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #2).....		1,027.01	124.85
33 42 31 00-0064	EA	1'-10-11/16" x 3'-0-1/2", 118 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #3).....		1,089.01	124.85
33 42 31 00-0065	EA	1'-10-11/16" x 3'-5-1/2", 130 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #4).....		1,136.70	124.85
33 42 31 00-0066	EA	1'-10-11/16" x 3'-10-1/2", 166 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #5).....		1,363.12	142.69
33 42 31 00-0067	EA	2'-1-3/16" x 2'-2-1/2", 107 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #6).....		1,031.78	124.85
33 42 31 00-0068	EA	2'-1-3/16" x 3'-0-1/2", 134 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #7).....		1,193.92	124.85
33 42 31 00-0069	EA	2'-1-3/16" x 3'-10-1/2", 191 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #8).....		1,544.33	142.69
33 42 31 00-0070	EA	2'-3-11/16" x 2'-2-1/2", 110 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #9).....		1,103.32	124.85
33 42 31 00-0071	EA	2'-3-11/16" x 2'-7-1/2", 132 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #10).....		1,203.46	124.85
33 42 31 00-0072	EA	2'-3-11/16" x 3'-0-1/2", 147 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #11).....		1,251.15	124.85
33 42 31 00-0073	EA	2'-3-11/16" x 3'-5-1/2", 161 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #12).....		1,396.50	142.69
33 42 31 00-0074	EA	2'-3-11/16" x 3'-10-1/2", 210 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #13).....		1,608.63	160.52
33 42 31 00-0075	EA	2'-6-3/16" x 2'-7-1/2", 146 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #14).....		1,279.76	124.85
33 42 31 00-0076	EA	2'-6-3/16" x 3'-0-1/2", 162 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #15).....		1,377.43	142.69
33 42 31 00-0077	EA	2'-6-3/16" x 3'-10-1/2", 233 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #16).....		1,737.38	160.52
33 42 31 00-0078	EA	2'-8-11/16" x 3'-0-1/2", 179 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #17).....		1,549.10	142.69
33 42 31 00-0079	EA	2'-11-3/16" x 3'-0-1/2", 193 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #18).....		1,568.18	142.69
33 42 31 00-0080	EA	3'-1-11/16" x 2'-2-1/2", 173 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #19).....		1,510.95	142.69
33 42 31 00-0081	EA	3'-1-11/16" x 2'-7-1/2", 192 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #20).....		1,611.10	142.69
33 42 31 00-0082	EA	3'-1-11/16" x 3'-0-1/2", 211 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #21).....		1,718.31	160.52
33 42 31 00-0083	EA	3'-1-11/16" x 3'-5-1/2", 231 LB, Galvanized Steel Reticuline Grate For Welded Steel Frame (NYS DOT #22).....		1,799.38	160.52
<b>33 42 31 00-0084 Galvanized Welded Steel Frames And Parallel Bar Grates (33 42 31 00-0013)</b>					
<b>33 42 31 00-0085 Galvanized Welded Steel Frames For Parallel Bar Grates (33 42 31 00-0084)</b>					
33 42 31 00-0086	EA	1'-11-7/8" x 3'-1-1/2" Inside Dimension, 84 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #10FPCB).....		657.70	250.13
33 42 31 00-0087	EA	2'-2-3/8" x 3'-1-1/2" Inside Dimension, 99 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #11FPCB).....		750.62	294.79
33 42 31 00-0088	EA	2'-9-7/8" x 3'-6-1/2" Inside Dimension, 108 LB, Galvanized Welded Steel Frames For Parallel Bar Grates (NYS DOT #12FPCB).....		810.18	321.47
<b>33 42 31 00-0089 C150x16 Built-up Channel For Welded Steel Frames (33 42 31 00-0084)</b>					
Note: For parallel bar grates. Add to price of frame.					
33 42 31 00-0090	EA	C150x16 Built-Up 113 LB Channel For NYSDOT #10PCB Frame.....		1,174.28	347.86
33 42 31 00-0091	EA	C150x16 Built-Up 128 LB Channel For NYSDOT #11PCB Frame.....		1,328.30	381.12
33 42 31 00-0092	EA	C150x16 Built-Up 125 LB Channel For NYSDOT #12PCB Frame.....		1,292.56	372.12
<b>33 42 31 00-0093 Galvanized Welded Steel Parallel Bar Grates (33 42 31 00-0084)</b>					
33 42 31 00-0094	EA	1'-11-1/2" x 3'-0-3/4" 200 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #10PCB).....		1,322.50	160.52

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0095	EA	2'-2" x 3'-10-3/4" 280 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #11PCB)	1,649.06	178.36
33 42 31 00-0096	EA	2'-9-1/2" x 3'-5-3/4" 320 LB, Galvanized Welded Steel Parallel Bar Grates (NYS DOT #12PCB)	1,937.48	196.19
<b>33 42 31 00-0097</b>		<b>Cast Curb Inlet Frame With Galvanized Reticuline Grate</b> <small>(33 42 31 00-0013)</small>		
33 42 31 00-0098	EA	2'-5-1/2" x 3'-5-1/2", 263 LB Cast Curb Inlet Frame With 2'-1" x 2'-3-1/2", 165 LB Galvanized Reticuline Grate (NYS DOT F-1 Frame And G-1 Grate)	5,899.23	856.11
33 42 31 00-0099	EA	3'-3-1/2" x 3'-5-1/2", 315 LB Cast Curb Inlet Frame With 2'-1" x 3'-1-1/2", 224 LB Galvanized Reticuline Grate (NYS DOT F-2 Frame And G-2 Grate)	6,499.72	927.46
33 42 31 00-0100	EA	4'-1-1/2" x 3'-5-1/2", 339 LB Cast Curb Inlet Frame With 2'-1" x 3'-11-1/2", 251 LB Galvanized Reticuline Grate (NYS DOT F-3 Frame And G-3 Grate)	7,577.10	998.80
<b>33 42 31 00-0101</b>		<b>Other Frames</b> <small>(33 42 31 00-0013)</small>		
<b>33 42 31 00-0102</b>		<b>Galvanized Welded Steel Frames For Rectangular And Reticuline Grates</b> <small>(33 42 31 00-0101)</small>		
33 42 31 00-0103	EA	1'-11-15/16 x 3'-1-1/2", 69 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #3)	531.04	205.19
33 42 31 00-0104	EA	2'-2-7/16" x 2'-3-1/2", 61 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #6)	480.58	181.64
33 42 31 00-0105	EA	2'-4-15/16" x 2'-3-1/2", 64 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #9)	497.19	190.48
33 42 31 00-0106	EA	2'-4-15/16" x 3'-1-1/2", 75 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #11)	569.46	223.30
33 42 31 00-0107	EA	2'-5-7/16" x 3'-11-1/2", 88 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #16)	644.96	261.97
33 42 31 00-0108	EA	3'-2-15/16" x 3'-6-1/2", 91 LB, Galvanized Welded Steel Frames For Rectangular And Reticuline Grate (NYS DOT #22)	666.33	270.81
<b>33 42 31 00-0109</b>		<b>C150x16 Built-up Channel For Welded Steel Frames</b> <small>(33 42 31 00-0101)</small>		
		Note: For rectangular and reticuline grates. Add to price of frame.		
33 42 31 00-0110	EA	C150x16 Built-Up 50 LB Channel For NYSDOT #3 Frame	894.70	148.82
33 42 31 00-0111	EA	C150x16 Built-Up 51 LB Channel For NYSDOT #6 Frame	891.33	149.82
33 42 31 00-0112	EA	C150x16 Built-Up 52 LB Channel For NYSDOT #9 Frame	897.89	154.81
33 42 31 00-0113	EA	C150x16 Built-Up 53 LB Channel For NYSDOT #11 Frame	963.84	157.81
33 42 31 00-0114	EA	C150x16 Built-Up 54 LB Channel For NYSDOT #16 Frame	1,162.53	163.81
33 42 31 00-0115	EA	C150x16 Built-Up 55 LB Channel For NYSDOT #22 Frame	1,143.46	163.81
<b>33 42 31 00-0116</b>		<b>Yard Drain</b> <small>(33 42 31 00-0001)</small>		
<b>33 42 31 00-0117</b>		<b>Ductile Iron Grates</b> <small>(33 42 31 00-0116)</small>		
		Note: Not for traffic loading.		
33 42 31 00-0118	EA	8" Diameter Ductile Iron Grate Adapter Necks Down To 4" and 6" Diameter Pipe	189.13	50.25
33 42 31 00-0119	EA	10" Diameter Ductile Iron Grate Adapters To 4", 6", or 8" Diameter Pipe	228.46	53.60
33 42 31 00-0120	EA	12" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	507.05	67.00
33 42 31 00-0121	EA	15" Diameter Ductile Iron Grate Adapters To 4" Through 12" Diameter Pipe	606.01	80.40
<b>33 42 31 00-0122</b>		<b>Precast Concrete Rectangular Drainage Structure</b> <small>(33 42 31 00-0001)</small>		
		Note: Inside dimensions. Select task with size closest to the desired size. If exactly between two sizes, select the larger size. As manufactured by Binghamton Precast and Supply or equal.		
<b>33 42 31 00-0123</b>		<b>Standard Drainage Structure Type A, 36" x 36"</b> <small>(33 42 31 00-0122)</small>		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0124	EA	Up To 2' High Standard Drainage Structure Type A, 36" x 36"	1,711.28	214.03
33 42 31 00-0125	EA	>2' To 3' High Standard Drainage Structure Type A, 36" x 36"	1,970.98	321.05
33 42 31 00-0126	EA	>3' To 4' High Standard Drainage Structure Type A, 36" x 36"	2,230.69	428.06
33 42 31 00-0127	EA	>4' To 5' High Standard Drainage Structure Type A, 36" x 36"	2,490.40	535.08
33 42 31 00-0128	EA	>5' To 6' High Standard Drainage Structure Type A, 36" x 36"	3,302.43	642.08
33 42 31 00-0129	EA	>6' To 7' High Standard Drainage Structure Type A, 36" x 36"	3,562.14	749.10
33 42 31 00-0130	EA	>7' To 8' High Standard Drainage Structure Type A, 36" x 36"	4,511.22	856.11
33 42 31 00-0131	EA	>8' To 9' High Standard Drainage Structure Type A, 36" x 36"	4,785.45	963.13
33 42 31 00-0132	EA	>9' To 10' High Standard Drainage Structure Type A, 36" x 36"	5,059.70	1,070.14
33 42 31 00-0133	EA	>10' To 11' High Standard Drainage Structure Type A, 36" x 36"	5,333.94	1,177.16
33 42 31 00-0134	EA	>11' To 12' High Standard Drainage Structure Type A, 36" x 36"	5,608.19	1,284.17
<b>33 42 31 00-0135</b>		<b>Standard Drainage Structure Type B And E, 48" x 36"</b> <small>(33 42 31 00-0122)</small>		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0136	EA	Up to 2' High Standard Drainage Structure Type B And E, 48" x 36"	2,043.87	231.86
33 42 31 00-0137	EA	>2' To 3' High Standard Drainage Structure Type B And E, 48" x 36"	2,304.04	334.95
33 42 31 00-0138	EA	>3' To 4' High Standard Drainage Structure Type B And E, 48" x 36"	2,581.33	446.60
33 42 31 00-0139	EA	>4' To 5' High Standard Drainage Structure Type B And E, 48" x 36"	2,858.62	558.25
33 42 31 00-0140	EA	>5' To 6' High Standard Drainage Structure Type B And E, 48" x 36"	3,927.01	670.63
33 42 31 00-0141	EA	>6' To 7' High Standard Drainage Structure Type B And E, 48" x 36"	4,204.30	784.77
33 42 31 00-0142	EA	>7' To 8' High Standard Drainage Structure Type B And E, 48" x 36"	4,901.02	891.78
33 42 31 00-0143	EA	>8' To 9' High Standard Drainage Structure Type B And E, 48" x 36"	5,192.85	998.80
33 42 31 00-0144	EA	>9' To 10' High Standard Drainage Structure Type B And E, 48" x 36"	5,484.67	1,117.23
33 42 31 00-0145	EA	>10' To 11' High Standard Drainage Structure Type B And E, 48" x 36"	5,776.49	1,227.10
33 42 31 00-0146	EA	>11' To 12' High Standard Drainage Structure Type B And E, 48" x 36"	6,068.32	1,341.25
<b>33 42 31 00-0147</b>		<b>Standard Drainage Structure Type C And I, 60" x 36"</b> <small>(33 42 31 00-0122)</small>		
		Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 31 00-0148	EA		Up To 2' High Standard Drainage Structure Type C And I, 60" x 36"	2,950.08	235.44
33 42 31 00-0149	EA		>2' To 3' High Standard Drainage Structure Type C And I, 60" x 36"	3,245.74	353.14
33 42 31 00-0150	EA		>3' To 4' High Standard Drainage Structure Type C And I, 60" x 36"	3,541.37	470.86
33 42 31 00-0151	EA		>4' To 5' High Standard Drainage Structure Type C And I, 60" x 36"	3,837.03	588.58
33 42 31 00-0152	EA		>5' To 6' High Standard Drainage Structure Type C And I, 60" x 36"	4,132.67	706.30
33 42 31 00-0153	EA		>6' To 7' High Standard Drainage Structure Type C And I, 60" x 36"	5,989.77	824.01
33 42 31 00-0154	EA		>7' To 8' High Standard Drainage Structure Type C And I, 60" x 36"	7,535.42	941.72
33 42 31 00-0155	EA		>8' To 9' High Standard Drainage Structure Type C And I, 60" x 36"	7,841.44	1,059.44
33 42 31 00-0156	EA		>9' To 10' High Standard Drainage Structure Type C And I, 60" x 36"	8,147.47	1,177.16
33 42 31 00-0157	EA		>10' To 11' High Standard Drainage Structure Type C And I, 60" x 36"	8,453.51	1,294.88
33 42 31 00-0158	EA		>11' To 12' High Standard Drainage Structure Type C And I, 60" x 36"	8,759.53	1,412.59
<b>33 42 31 00-0159</b>			<b>Standard Drainage Structure Type D And M, 80" x 36"</b> <small>(33 42 31 00-0122)</small>		
			Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0160	EA		Up To 2' High Standard Drainage Structure Type D And M, 80" x 36"	3,834.73	260.40
33 42 31 00-0161	EA		>2' To 3' High Standard Drainage Structure Type D And M, 80" x 36"	4,161.59	390.61
33 42 31 00-0162	EA		>3' To 4' High Standard Drainage Structure Type D And M, 80" x 36"	4,488.43	520.80
33 42 31 00-0163	EA		>4' To 5' High Standard Drainage Structure Type D And M, 80" x 36"	4,815.27	651.00
33 42 31 00-0164	EA		>5' To 6' High Standard Drainage Structure Type D And M, 80" x 36"	5,142.12	781.20
33 42 31 00-0165	EA		>6' To 7' High Standard Drainage Structure Type D And M, 80" x 36"	6,177.02	911.41
33 42 31 00-0166	EA		>7' To 8' High Standard Drainage Structure Type D And M, 80" x 36"	6,657.52	1,041.61
33 42 31 00-0167	EA		>8' To 9' High Standard Drainage Structure Type D And M, 80" x 36"	9,226.88	1,171.81
33 42 31 00-0168	EA		>9' To 10' High Standard Drainage Structure Type D And M, 80" x 36"	9,570.34	1,302.00
33 42 31 00-0169	EA		>10' To 11' High Standard Drainage Structure Type D And M, 80" x 36"	9,913.79	1,426.86
33 42 31 00-0170	EA		>11' To 12' High Standard Drainage Structure Type D And M, 80" x 36"	10,257.24	1,562.41
<b>33 42 31 00-0171</b>			<b>Standard Drainage Structure Type F, 48" x 48"</b> <small>(33 42 31 00-0122)</small>		
			Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0172	EA		Up To 2' High Standard Drainage Structure Type F, 48" x 48"	2,297.19	231.86
33 42 31 00-0173	EA		>2' To 3' High Standard Drainage Structure Type F, 48" x 48"	2,591.42	349.58
33 42 31 00-0174	EA		>3' To 4' High Standard Drainage Structure Type F, 48" x 48"	2,884.20	465.15
33 42 31 00-0175	EA		>4' To 5' High Standard Drainage Structure Type F, 48" x 48"	3,177.00	581.44
33 42 31 00-0176	EA		>5' To 6' High Standard Drainage Structure Type F, 48" x 48"	4,346.02	699.16
33 42 31 00-0177	EA		>6' To 7' High Standard Drainage Structure Type F, 48" x 48"	4,638.83	813.31
33 42 31 00-0178	EA		>7' To 8' High Standard Drainage Structure Type F, 48" x 48"	5,461.10	927.46
33 42 31 00-0179	EA		>8' To 9' High Standard Drainage Structure Type F, 48" x 48"	5,764.28	1,048.74
33 42 31 00-0180	EA		>9' To 10' High Standard Drainage Structure Type F, 48" x 48"	6,067.45	1,162.89
33 42 31 00-0181	EA		>10' To 11' High Standard Drainage Structure Type F, 48" x 48"	6,370.63	1,277.04
33 42 31 00-0182	EA		>11' To 12' High Standard Drainage Structure Type F, 48" x 48"	6,673.81	1,395.46
<b>33 42 31 00-0183</b>			<b>Standard Drainage Structure Type G And J, 48" x 60"</b> <small>(33 42 31 00-0122)</small>		
			Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0184	EA		Up To 2' High Standard Drainage Structure Type G And J, 48" x 60"	3,861.48	244.71
33 42 31 00-0185	EA		>2' To 3' High Standard Drainage Structure Type G And J, 48" x 60"	4,174.71	366.70
33 42 31 00-0186	EA		>3' To 4' High Standard Drainage Structure Type G And J, 48" x 60"	4,487.95	489.41
33 42 31 00-0187	EA		>4' To 5' High Standard Drainage Structure Type G And J, 48" x 60"	4,801.17	612.13
33 42 31 00-0188	EA		>5' To 6' High Standard Drainage Structure Type G And J, 48" x 60"	5,114.40	734.83
33 42 31 00-0189	EA		>6' To 7' High Standard Drainage Structure Type G And J, 48" x 60"	5,427.62	856.11
33 42 31 00-0190	EA		>7' To 8' High Standard Drainage Structure Type G And J, 48" x 60"	5,867.52	978.83
33 42 31 00-0191	EA		>8' To 9' High Standard Drainage Structure Type G And J, 48" x 60"	8,637.12	1,101.18
33 42 31 00-0192	EA		>9' To 10' High Standard Drainage Structure Type G And J, 48" x 60"	8,962.81	1,224.24
33 42 31 00-0193	EA		>10' To 11' High Standard Drainage Structure Type G And J, 48" x 60"	9,288.49	1,345.53
33 42 31 00-0194	EA		>11' To 12' High Standard Drainage Structure Type G And J, 48" x 60"	9,614.18	1,468.24
<b>33 42 31 00-0195</b>			<b>Standard Drainage Structure Type H And N, 48" x 80"</b> <small>(33 42 31 00-0122)</small>		
			Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0196	EA		Up To 2' High Standard Drainage Structure Type H And N, 48" x 80"	5,070.05	269.68
33 42 31 00-0197	EA		>2' To 3' High Standard Drainage Structure Type H And N, 48" x 80"	5,414.49	405.22
33 42 31 00-0198	EA		>3' To 4' High Standard Drainage Structure Type H And N, 48" x 80"	5,758.91	539.35
33 42 31 00-0199	EA		>4' To 5' High Standard Drainage Structure Type H And N, 48" x 80"	6,103.34	674.90
33 42 31 00-0200	EA		>5' To 6' High Standard Drainage Structure Type H And N, 48" x 80"	6,447.76	809.03
33 42 31 00-0201	EA		>6' To 7' High Standard Drainage Structure Type H And N, 48" x 80"	6,792.19	944.58
33 42 31 00-0202	EA		>7' To 8' High Standard Drainage Structure Type H And N, 48" x 80"	7,281.97	1,078.70
33 42 31 00-0203	EA		>8' To 9' High Standard Drainage Structure Type H And N, 48" x 80"	10,973.54	1,212.83
33 42 31 00-0204	EA		>9' To 10' High Standard Drainage Structure Type H And N, 48" x 80"	11,334.57	1,348.38
33 42 31 00-0205	EA		>10' To 11' High Standard Drainage Structure Type H And N, 48" x 80"	11,695.63	1,483.93
33 42 31 00-0206	EA		>11' To 12' High Standard Drainage Structure Type H And N, 48" x 80"	12,056.67	1,618.05
<b>33 42 31 00-0207</b>			<b>Standard Drainage Structure Type K, 60" x 60"</b> <small>(33 42 31 00-0122)</small>		
			Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.		
33 42 31 00-0208	EA		Up To 2' High Standard Drainage Structure Type K, 60" x 60"	2,870.38	256.83
33 42 31 00-0209	EA		>2' To 3' High Standard Drainage Structure Type K, 60" x 60"	3,193.66	385.25
33 42 31 00-0210	EA		>3' To 4' High Standard Drainage Structure Type K, 60" x 60"	3,516.93	513.67
33 42 31 00-0211	EA		>4' To 5' High Standard Drainage Structure Type K, 60" x 60"	3,840.22	642.08
33 42 31 00-0212	EA		>5' To 6' High Standard Drainage Structure Type K, 60" x 60"	5,197.54	770.50
33 42 31 00-0213	EA		>6' To 7' High Standard Drainage Structure Type K, 60" x 60"	5,520.83	898.92
33 42 31 00-0214	EA		>7' To 8' High Standard Drainage Structure Type K, 60" x 60"	6,840.78	1,027.33
33 42 31 00-0215	EA		>8' To 9' High Standard Drainage Structure Type K, 60" x 60"	9,443.94	1,155.75
33 42 31 00-0216	EA		>9' To 10' High Standard Drainage Structure Type K, 60" x 60"	9,792.14	1,284.17
33 42 31 00-0217	EA		>10' To 11' High Standard Drainage Structure Type K, 60" x 60"	10,140.34	1,412.59



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 42 31 00-0218	EA		>11' To 12' High Standard Drainage Structure Type K, 60" x 60".....	10,488.53	1,541.00
<b>33 42 31 00-0219 Standard Drainage Structure Type L And O, 60" x 80"</b> <small>(33 42 31 00-0122)</small>					
Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.					
33 42 31 00-0220	EA		Up To 2' High Standard Drainage Structure Type L And O, 60" x 80".....	5,474.30	282.52
33 42 31 00-0221	EA		>2' To 3' High Standard Drainage Structure Type L And O, 60" x 80".....	5,830.85	422.35
33 42 31 00-0222	EA		>3' To 4' High Standard Drainage Structure Type L And O, 60" x 80".....	6,187.41	563.61
33 42 31 00-0223	EA		>4' To 5' High Standard Drainage Structure Type L And O, 60" x 80".....	6,543.96	704.87
33 42 31 00-0224	EA		>5' To 6' High Standard Drainage Structure Type L And O, 60" x 80".....	6,900.52	846.13
33 42 31 00-0225	EA		>6' To 7' High Standard Drainage Structure Type L And O, 60" x 80".....	7,257.07	985.95
33 42 31 00-0226	EA		>7' To 8' High Standard Drainage Structure Type L And O, 60" x 80".....	7,769.36	1,127.22
33 42 31 00-0227	EA		>8' To 9' High Standard Drainage Structure Type L And O, 60" x 80".....	10,592.67	1,268.47
33 42 31 00-0228	EA		>9' To 10' High Standard Drainage Structure Type L And O, 60" x 80".....	10,965.83	1,409.02
33 42 31 00-0229	EA		>10' To 11' High Standard Drainage Structure Type L And O, 60" x 80".....	11,339.01	1,549.56
33 42 31 00-0230	EA		>11' To 12' High Standard Drainage Structure Type L And O, 60" x 80".....	11,712.16	1,690.83
<b>33 42 31 00-0231 Standard Drainage Structure Type P, 80" x 80"</b> <small>(33 42 31 00-0122)</small>					
Note: Includes cover slab. Excludes excavation, backfill and sealing of pipes.					
33 42 31 00-0232	EA		Up To 2' High Standard Drainage Structure Type P, 80" x 80".....	7,355.62	306.78
33 42 31 00-0233	EA		>2' To 3' High Standard Drainage Structure Type P, 80" x 80".....	7,747.53	460.16
33 42 31 00-0234	EA		>3' To 4' High Standard Drainage Structure Type P, 80" x 80".....	8,139.44	613.55
33 42 31 00-0235	EA		>4' To 5' High Standard Drainage Structure Type P, 80" x 80".....	8,531.34	766.94
33 42 31 00-0236	EA		>5' To 6' High Standard Drainage Structure Type P, 80" x 80".....	8,923.24	920.33
33 42 31 00-0237	EA		>6' To 7' High Standard Drainage Structure Type P, 80" x 80".....	9,315.15	1,070.14
33 42 31 00-0238	EA		>7' To 8' High Standard Drainage Structure Type P, 80" x 80".....	9,856.57	1,227.10
33 42 31 00-0239	EA		>8' To 9' High Standard Drainage Structure Type P, 80" x 80".....	15,591.05	1,380.49
33 42 31 00-0240	EA		>9' To 10' High Standard Drainage Structure Type P, 80" x 80".....	15,997.48	1,533.88
33 42 31 00-0241	EA		>10' To 11' High Standard Drainage Structure Type P, 80" x 80".....	16,403.92	1,687.26
33 42 31 00-0242	EA		>11' To 12' High Standard Drainage Structure Type P, 80" x 80".....	16,810.37	1,840.64
<b>33 42 31 00-0243 Standard Drainage Structure Type Q, 34" x 36"</b> <small>(33 42 31 00-0122)</small>					
Note: Excludes excavation, backfill, sealing of pipes, cover and caps.					
33 42 31 00-0244	EA		Up To 2' High Standard Drainage Structure Type Q, 34" x 36".....	1,582.79	206.89
33 42 31 00-0245	EA		>2' To 3' High Standard Drainage Structure Type Q, 34" x 36".....	1,837.46	310.34
33 42 31 00-0246	EA		>3' To 4' High Standard Drainage Structure Type Q, 34" x 36".....	2,092.11	413.78
33 42 31 00-0247	EA		>4' To 5' High Standard Drainage Structure Type Q, 34" x 36".....	2,346.75	517.24
33 42 31 00-0248	EA		>5' To 6' High Standard Drainage Structure Type Q, 34" x 36".....	3,274.16	620.69
33 42 31 00-0249	EA		>6' To 7' High Standard Drainage Structure Type Q, 34" x 36".....	3,528.82	724.13
33 42 31 00-0250	EA		>7' To 8' High Standard Drainage Structure Type Q, 34" x 36".....	4,036.79	827.58
33 42 31 00-0251	EA		>8' To 9' High Standard Drainage Structure Type Q, 34" x 36".....	4,303.90	927.46
33 42 31 00-0252	EA		>9' To 10' High Standard Drainage Structure Type Q, 34" x 36".....	4,571.00	1,034.47
33 42 31 00-0253	EA		>10' To 11' High Standard Drainage Structure Type Q, 34" x 36".....	4,695.44	1,066.58
33 42 31 00-0254	EA		>11' To 12' High Standard Drainage Structure Type Q, 34" x 36".....	5,105.22	1,241.36
<b>33 42 31 00-0255 Standard Drainage Structure Type R, 34" x 46"</b> <small>(33 42 31 00-0122)</small>					
Note: Excludes excavation, backfill, sealing of pipes, cover and caps.					
33 42 31 00-0256	EA		Up To 2' High Standard Drainage Structure Type R, 34" x 46".....	1,281.59	214.03
33 42 31 00-0257	EA		>2' To 3' High Standard Drainage Structure Type R, 34" x 46".....	1,549.67	321.05
33 42 31 00-0258	EA		>3' To 4' High Standard Drainage Structure Type R, 34" x 46".....	1,817.74	432.34
33 42 31 00-0259	EA		>4' To 5' High Standard Drainage Structure Type R, 34" x 46".....	2,085.83	540.78
33 42 31 00-0260	EA		>5' To 6' High Standard Drainage Structure Type R, 34" x 46".....	3,012.13	649.22
33 42 31 00-0261	EA		>6' To 7' High Standard Drainage Structure Type R, 34" x 46".....	3,280.20	756.24
33 42 31 00-0262	EA		>7' To 8' High Standard Drainage Structure Type R, 34" x 46".....	4,052.84	864.67
33 42 31 00-0263	EA		>8' To 9' High Standard Drainage Structure Type R, 34" x 46".....	4,331.30	973.12
33 42 31 00-0264	EA		>9' To 10' High Standard Drainage Structure Type R, 34" x 46".....	4,609.78	1,081.56
33 42 31 00-0265	EA		>10' To 11' High Standard Drainage Structure Type R, 34" x 46".....	4,888.22	1,188.57
33 42 31 00-0266	EA		>11' To 12' High Standard Drainage Structure Type R, 34" x 46".....	5,166.69	1,297.02
<b>33 42 31 00-0267 Standard Drainage Structure Type S, 24" x 32"</b> <small>(33 42 31 00-0122)</small>					
Note: Includes inlet cover. Excludes excavation, backfill and sealing of pipes.					
33 42 31 00-0268	EA		Up To 2' High Standard Drainage Structure Type S, 24" x 32".....	1,580.51	156.95
33 42 31 00-0269	EA		>2' To 3' High Standard Drainage Structure Type S, 24" x 32".....	1,781.07	235.44
33 42 31 00-0270	EA		>3' To 4' High Standard Drainage Structure Type S, 24" x 32".....	1,981.63	313.91
33 42 31 00-0271	EA		>4' To 5' High Standard Drainage Structure Type S, 24" x 32".....	2,182.19	392.39
33 42 31 00-0272	EA		>5' To 6' High Standard Drainage Structure Type S, 24" x 32".....	2,922.61	470.86
33 42 31 00-0273	EA		>6' To 7' High Standard Drainage Structure Type S, 24" x 32".....	3,123.17	549.34
33 42 31 00-0274	EA		>7' To 8' High Standard Drainage Structure Type S, 24" x 32".....	3,547.98	627.82
33 42 31 00-0275	EA		>8' To 9' High Standard Drainage Structure Type S, 24" x 32".....	3,754.77	706.30
33 42 31 00-0276	EA		>9' To 10' High Standard Drainage Structure Type S, 24" x 32".....	3,961.56	784.77
33 42 31 00-0277	EA		>10' To 11' High Standard Drainage Structure Type S, 24" x 32".....	4,168.35	863.25
33 42 31 00-0278	EA		>11' To 12' High Standard Drainage Structure Type S, 24" x 32".....	4,375.14	941.72
<b>33 42 31 00-0279 Standard Drainage Structure Type T, 26" x 42"</b> <small>(33 42 31 00-0122)</small>					
Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.					
33 42 31 00-0280	EA		Up To 2' High Standard Drainage Structure Type T, 26" x 42".....	1,855.61	185.49
33 42 31 00-0281	EA		>2' To 3' High Standard Drainage Structure Type T, 26" x 42".....	2,088.85	278.24
33 42 31 00-0282	EA		>3' To 4' High Standard Drainage Structure Type T, 26" x 42".....	2,322.11	370.98
33 42 31 00-0283	EA		>4' To 5' High Standard Drainage Structure Type T, 26" x 42".....	2,555.36	463.73
33 42 31 00-0284	EA		>5' To 6' High Standard Drainage Structure Type T, 26" x 42".....	3,513.27	556.47



**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 42 31 00-0285	EA	>6' To 7' High Standard Drainage Structure Type T, 26" x 42".....	3,746.52	649.22
33 42 31 00-0286	EA	>7' To 8' High Standard Drainage Structure Type T, 26" x 42".....	4,492.63	741.97
33 42 31 00-0287	EA	>8' To 9' High Standard Drainage Structure Type T, 26" x 42".....	4,732.11	834.71
33 42 31 00-0288	EA	>9' To 10' High Standard Drainage Structure Type T, 26" x 42".....	4,971.59	927.46
33 42 31 00-0289	EA	>10' To 11' High Standard Drainage Structure Type T, 26" x 42".....	5,211.07	1,020.20
33 42 31 00-0290	EA	>11' To 12' High Standard Drainage Structure Type T, 26" x 42".....	5,450.55	1,112.95

**33 42 31 00-0291 Standard Drainage Structure Type U, 34" x 36"** (33 42 31 00-0122)

Note: Includes inlet caps. Excludes excavation, backfill and sealing of pipes.

33 42 31 00-0292	EA	Up To 2' High Standard Drainage Structure Type U, 34" x 36".....	1,804.97	206.89
33 42 31 00-0293	EA	>2' To 3' High Standard Drainage Structure Type U, 34" x 36".....	2,061.71	310.34
33 42 31 00-0294	EA	>3' To 4' High Standard Drainage Structure Type U, 34" x 36".....	2,318.44	413.78
33 42 31 00-0295	EA	>4' To 5' High Standard Drainage Structure Type U, 34" x 36".....	2,575.16	517.24
33 42 31 00-0296	EA	>5' To 6' High Standard Drainage Structure Type U, 34" x 36".....	3,452.73	620.69
33 42 31 00-0297	EA	>6' To 7' High Standard Drainage Structure Type U, 34" x 36".....	3,709.47	724.13
33 42 31 00-0298	EA	>7' To 8' High Standard Drainage Structure Type U, 34" x 36".....	4,244.43	827.58
33 42 31 00-0299	EA	>8' To 9' High Standard Drainage Structure Type U, 34" x 36".....	4,505.31	931.74
33 42 31 00-0300	EA	>9' To 10' High Standard Drainage Structure Type U, 34" x 36".....	4,724.66	1,034.47
33 42 31 00-0301	EA	>10' To 11' High Standard Drainage Structure Type U, 34" x 36".....	4,981.38	1,138.63
33 42 31 00-0302	EA	>11' To 12' High Standard Drainage Structure Type U, 34" x 36".....	5,238.11	1,241.36

**33 42 31 00-0303 Precast Concrete Cover Slabs / Inlet Caps** (33 42 31 00-0122)

33 42 31 00-0304	EA	Precast Concrete Cover Slab Type A.....	755.97	107.02
33 42 31 00-0305	EA	Precast Concrete Cover Slab Type B And E.....	806.77	107.44
33 42 31 00-0306	EA	Precast Concrete Cover Slab Type C And I.....	887.43	117.72
33 42 31 00-0307	EA	Precast Concrete Cover Slab Type D And M.....	1,186.47	130.27
33 42 31 00-0308	EA	Precast Concrete Cover Slab Type F.....	969.70	117.01
33 42 31 00-0309	EA	Precast Concrete Cover Slab Type G And J.....	1,201.93	121.42
33 42 31 00-0310	EA	Precast Concrete Cover Slab Type H And N.....	1,420.01	135.55
33 42 31 00-0311	EA	Precast Concrete Cover Slab Type K.....	1,263.88	128.42
33 42 31 00-0312	EA	Precast Concrete Cover Slab Type L And O.....	1,664.68	141.26
33 42 31 00-0313	EA	Precast Concrete Cover Slab Type P.....	1,940.91	153.39
33 42 31 00-0314	EA	Precast Concrete Cover Slab Type S.....	449.72	78.48
33 42 31 00-0315	EA	Precast Concrete Cover Slab Type T.....	482.42	92.75
33 42 31 00-0316	EA	Precast Concrete Cover Slab Type U.....	503.82	104.16

**33 42 33 Stormwater Curbside Drains and Inlets** (33 42)**33 42 33 00-0001 Curb Inlet Frames And Covers** (33 42 33)**33 42 33 00-0002 Cast Iron Curb Inlet Frames And Covers** (33 42 33 00-0001)

33 42 33 00-0003	EA	20" x 22" Cast Iron Curb Inlet Frame And Cover.....	2,061.88	166.95
33 42 33 00-0004	EA	22" x 24" Cast Iron Curb Inlet Frame And Cover.....	2,205.20	194.06
33 42 33 00-0005	EA	24" x 24" Cast Iron Curb Inlet Frame And Cover.....	2,292.12	194.06
33 42 33 00-0006	EA	27" x 27" Cast Iron Curb Inlet Frame And Cover.....	2,510.16	228.30
33 42 33 00-0007	EA	36" x 24" Cast Iron Curb Inlet Frame And Cover.....	2,484.62	244.00

**33 42 36 Stormwater Trench Drains** (33 42)**33 42 36 00-0001 Modular Trench Drains** (33 42 36)**33 42 36 00-0002 Modular Trench Drains** (33 42 36 00-0001)

Note: Excludes grates. See CSI section 33 42 36 00-0104 for grates.

**33 42 36 00-0003 4" Wide, Modular Trench Drains** (33 42 36 00-0002)**33 42 36 00-0004 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains** (33 42 36 00-0003)**33 42 36 00-0005 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains** (33 42 36 00-0004)

33 42 36 00-0006	LF	4" Wide, High Density Polyethylene, Shallow Modular Trench Drain (Zum Z844-C).....	79.90	22.83
		For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	104.23	
		For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	208.46	
		For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add	333.53	
		For Type 304 Stainless Steel Top Veneer Frame, Add	83.38	
		For Aluminum Veneer Bronze Anodized Frame, Add	41.69	

**33 42 36 00-0007 Outlet Adapters For 4 Wide, High Density Polyethylene, Shallow Modular Trench Drains** (33 42 36 00-0004)

33 42 36 00-0008	EA	Closed End Cap For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain.....	59.24	
33 42 36 00-0009	EA	No-Hub End Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain.....	73.52	
33 42 36 00-0010	EA	No-Hub Bottom Outlet For 4" Wide, High Density Polyethylene, Shallow Modular Trench Drain.....	73.52	

**33 42 36 00-0011 6" Wide, Modular Trench Drains** (33 42 36 00-0002)**33 42 36 00-0012 6" Wide, High Density Polyethylene, Modular Trench Drains** (33 42 36 00-0011)**33 42 36 00-0013 6" Wide, High Density Polyethylene, Modular Trench Drains** (33 42 36 00-0012)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 42 36 00-0014	LF		6" Wide, High Density Polyethylene, Modular Trench Drain..... <i>For Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> <i>For Galvanized Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> <i>For Stainless Steel Extra Heavy Duty Frame Assembly With Anchor Studs And Grate Lockdown, Add</i> <i>For Type 304 Stainless Steel Top Veneer Frame, Add</i> <i>For Aluminum Veneer Bronze Anodized Frame, Add</i>	224.27 104.23 208.46 333.53 83.38 41.69	22.83
33 42 36 00-0015			<b>Outlet Adapters For 6" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0012)		
33 42 36 00-0016	EA		Closed End Cap For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	103.57	
33 42 36 00-0017	EA		No-Hub End Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	117.85	
33 42 36 00-0018	EA		No-Hub Bottom Outlet For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	117.85	
33 42 36 00-0019			<b>Other Fittings For 6" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0012)		
33 42 36 00-0020	EA		Bottom Dome Strainer For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	192.33	
33 42 36 00-0021	EA		Joint Connector For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	192.33	
33 42 36 00-0022	EA		90 Degree, 45 Degree, Tee Or Side Outlet Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	905.16	
33 42 36 00-0023	EA		Cross For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	1,738.98	
33 42 36 00-0024	EA		Cutting Charge For 6" Wide, High Density Polyethylene, Modular Trench Drains.....	208.46	
33 42 36 00-0025			<b>6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0011)		
33 42 36 00-0026			<b>6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0025)		
33 42 36 00-0027	LF		6" Wide, Fiber Reinforced Polyester, Modular Trench Drain..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	322.24 79.21 79.21 291.84	22.83
33 42 36 00-0028			<b>Outlet Adapters For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0025)		
33 42 36 00-0029	EA		Closed End Cap For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	111.91	
33 42 36 00-0030	EA		No-Hub End Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	126.19	
33 42 36 00-0031	EA		No-Hub Bottom Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	126.19	
33 42 36 00-0032			<b>Other Fittings For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> (33 42 36 00-0025)		
33 42 36 00-0033	EA		Bottom Dome Strainer For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	192.33	
33 42 36 00-0034	EA		Joint Connector For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	192.33	
33 42 36 00-0035	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	905.16	
33 42 36 00-0036	EA		Cross For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	1,738.98	
33 42 36 00-0037	EA		Cutting Charge For 6" Wide, Fiber Reinforced Polyester, Modular Trench Drains.....	208.46	
33 42 36 00-0038			<b>6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0011)		
33 42 36 00-0039			<b>6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0038)		
33 42 36 00-0040	LF		6" Wide, Vinylester Fiberglass, Modular Trench Drain..... <i>For Black Acid Resistant Coated Frame, Add</i> <i>For Galvanized Top Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame Assembly, Add</i>	413.96 79.21 79.21 291.84	22.83
33 42 36 00-0041			<b>Outlet Adapters For 6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0038)		
33 42 36 00-0042	EA		Closed End Cap For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	178.62	
33 42 36 00-0043	EA		No-Hub End Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	192.90	
33 42 36 00-0044	EA		No-Hub Bottom Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	192.90	
33 42 36 00-0045			<b>Other Fittings For 6" Wide, Vinylester Fiberglass, Modular Trench Drains</b> (33 42 36 00-0038)		
33 42 36 00-0046	EA		Bottom Dome Strainer For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	192.33	
33 42 36 00-0047	EA		Joint Connector For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	192.33	
33 42 36 00-0048	EA		90 Degree, 45 Degree, Tee Or Side Outlet For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	905.16	
33 42 36 00-0049	EA		Cross For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	1,738.98	
33 42 36 00-0050	EA		Cutting Charge For 6" Wide, Vinylester Fiberglass, Modular Trench Drains.....	208.46	
33 42 36 00-0051			<b>12" Wide, Modular Trench Drains</b> (33 42 36 00-0002)		
33 42 36 00-0052			<b>12" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0051)		
33 42 36 00-0053			<b>12" Wide, High Density Polyethylene, Modular Trench Drains</b> (33 42 36 00-0052)		
33 42 36 00-0054	LF		12" Wide, High Density Polyethylene, Modular Trench Drain..... <i>For Acid Resistant Coated Top Frame, Add</i> <i>For Galvanized Welded Frame Assembly, Add</i> <i>For Type 304 Stainless Steel Top Frame, Add</i>	417.15 108.40 113.61 650.38	31.39

**33 Utilities****33 40 Stormwater Utilities****33 42 Stormwater Conveyance**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
<b>33 42 36 00-0055</b> <b>Outlet Adapters For 12" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0052)</small>		
33 42 36 00-0056 EA End Cap For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	208.97	
33 42 36 00-0057 EA No-Hub End Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	228.01	
33 42 36 00-0058 EA No-Hub Bottom Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	228.01	
<b>33 42 36 00-0059</b> <b>Other Fittings For 12" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0052)</small>		
33 42 36 00-0060 EA Bottom Dome Strainer For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	341.95	
33 42 36 00-0061 EA Joint Connector For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	446.18	
33 42 36 00-0062 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	1,777.39	
33 42 36 00-0063 EA Cross For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	3,445.03	
33 42 36 00-0064 EA Cutting Charges For 12" Wide, High Density Polyethylene, Modular Trench Drains .....	416.91	
<b>33 42 36 00-0065</b> <b>12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0051)</small>		
<b>33 42 36 00-0066</b> <b>12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0065)</small>		
33 42 36 00-0067 LF 12" Wide, Fiber Reinforced Polyester, Modular Trench Drain .....	521.38	31.39
<i>For Acid Resistant Coated Top Frame, Add</i>	108.40	
<i>For Galvanized Welded Frame Assembly, Add</i>	113.61	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	650.38	
<b>33 42 36 00-0068</b> <b>Outlet Adapters For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0065)</small>		
33 42 36 00-0069 EA End Cap For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	217.31	
33 42 36 00-0070 EA No-Hub End Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	236.35	
33 42 36 00-0071 EA No-Hub Bottom Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	236.35	
<b>33 42 36 00-0072</b> <b>Other Fittings For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains</b> <small>(33 42 36 00-0065)</small>		
33 42 36 00-0073 EA Bottom Dome Strainer For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	341.95	
33 42 36 00-0074 EA Joint Connector For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	446.18	
33 42 36 00-0075 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	1,777.39	
33 42 36 00-0076 EA Cross For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	3,445.03	
33 42 36 00-0077 EA Cutting Charges For 12" Wide, Fiber Reinforced Polyester, Modular Trench Drains .....	416.91	
<b>33 42 36 00-0078</b> <b>12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0051)</small>		
<b>33 42 36 00-0079</b> <b>12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0078)</small>		
33 42 36 00-0080 LF 12" Wide, Vinylester Fiberglass, Modular Trench Drain .....	729.84	31.39
<i>For Acid Resistant Coated Top Frame, Add</i>	108.40	
<i>For Galvanized Welded Frame Assembly, Add</i>	113.61	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	650.38	
<b>33 42 36 00-0081</b> <b>Outlet Adapters For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0078)</small>		
33 42 36 00-0082 EA End Cap For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	529.99	
33 42 36 00-0083 EA No-Hub End Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	549.03	
33 42 36 00-0084 EA No-Hub Bottom Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	549.03	
<b>33 42 36 00-0085</b> <b>Other Fittings For 12" Wide, Vinylester Fiberglass, Modular Trench Drains</b> <small>(33 42 36 00-0078)</small>		
33 42 36 00-0086 EA Bottom Dome Strainer For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	341.95	
33 42 36 00-0087 EA Joint Connector For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	446.18	
33 42 36 00-0088 EA 90 Degree, 45 Degree, Tee Or Side Outlet For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	1,777.39	
33 42 36 00-0089 EA Cross For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	3,445.03	
33 42 36 00-0090 EA Cutting Charges For 12" Wide, Vinylester Fiberglass, Modular Trench Drains .....	416.91	
<b>33 42 36 00-0091</b> <b>23" Wide, Modular Trench Drains</b> <small>(33 42 36 00-0002)</small>		
<b>33 42 36 00-0092</b> <b>23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0091)</small>		
<b>33 42 36 00-0093</b> <b>23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0092)</small>		
33 42 36 00-0094 LF 23" Wide, High Density Polyethylene, Modular Trench Drain .....	583.99	42.81
<i>For Acid Resistant Coated Frame, Add</i>	162.59	
<i>For Galvanized Frame Assembly, Add</i>	162.59	
<i>For Type 304 Stainless Steel Top Frame, Add</i>	1,000.58	
<b>33 42 36 00-0095</b> <b>Outlet Adapters For 23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0092)</small>		
33 42 36 00-0096 EA End Cap For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	651.08	
33 42 36 00-0097 EA No-Hub End Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	960.65	
33 42 36 00-0098 EA No-Hub Bottom Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains .....	960.65	

MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 42 36 00-0099</b>	<b>Other Fittings For 23" Wide, High Density Polyethylene, Modular Trench Drains</b> <small>(33 42 36 00-0092)</small>		
33 42 36 00-0100	EA Bottom Dome Strainer For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	772.40	
33 42 36 00-0101	EA 90 Degree, 45 Degree, Tee Or Side Outlet For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	3,513.62	
33 42 36 00-0102	EA Cross For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	6,848.90	
33 42 36 00-0103	EA Cutting Charges For 23" Wide, High Density Polyethylene, Modular Trench Drains.....	833.82	
<b>33 42 36 00-0104</b>	<b>Modular Trench Drain Grates</b> <small>(33 42 36 00-0001)</small>		
<b>33 42 36 00-0105</b>	<b>4" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0104)</small>		
33 42 36 00-0106	LF 4" Wide, Polypropylene, Silver Heel Proof, Modular Trench Drain Grate (Zurn Z884-P4-HPP).....	46.29	4.28
33 42 36 00-0107	LF 4" Wide, Class C Cast Iron, Modular Trench Drain Grate (Zurn Z884-P4-CG).....	48.60	4.28
33 42 36 00-0108	LF 4" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	39.38	4.28
33 42 36 00-0109	LF 4" Wide, Stainless Steel Slotted, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	102.72	4.28
33 42 36 00-0110	LF 4" Wide, Galvanized Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FG).....	39.38	4.28
33 42 36 00-0111	LF 4" Wide, Stainless Steel Perforated, Modular Trench Drain Grate (Zurn Z884-P4-FS).....	102.72	4.28
<b>33 42 36 00-0112</b>	<b>6" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0104)</small>		
33 42 36 00-0113	LF 6" Wide, Galvanized Ductile Iron Cast Bar, Modular Trench Drain Grate.....	207.26	4.28
33 42 36 00-0114	LF 6" Wide, Ductile Iron Cast Bar, Modular Trench Drain Grate.....	175.78	4.28
33 42 36 00-0115	LF 6" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	184.54	4.28
33 42 36 00-0116	LF 6" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	161.40	4.28
33 42 36 00-0117	LF 6" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	173.90	4.28
33 42 36 00-0118	LF 6" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	175.99	4.28
33 42 36 00-0119	LF 6" Wide, Ductile Iron Longitudinal Slotted, Modular Trench Drain Grate.....	175.99	4.28
33 42 36 00-0120	LF 6" Wide, Galvanized Cast Iron Slotted, Modular Trench Drain Grate.....	173.90	4.28
33 42 36 00-0121	LF 6" Wide, Galvanized Steel Slotted, Modular Trench Drain Grate.....	153.06	4.28
33 42 36 00-0122	LF 6" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	153.06	4.28
33 42 36 00-0123	LF 6" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	162.65	4.28
33 42 36 00-0124	LF 6" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	162.65	4.28
33 42 36 00-0125	LF 6" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	211.43	4.28
33 42 36 00-0126	LF 6" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	211.43	4.28
33 42 36 00-0127	LF 6" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	386.53	4.28
33 42 36 00-0128	LF 6" Wide, Reinforced Perforated Stainless Steel, Modular Trench Drain Grate.....	386.53	4.28
33 42 36 00-0129	LF 6" Wide, Stainless Steel Bar, Modular Trench Drain Grate.....	1,074.43	4.28
33 42 36 00-0130	LF 6" Wide, Heel Proof Polyethylene, Modular Trench Drain Grate.....	144.72	4.28
33 42 36 00-0131	LF 6" Wide, Fiberglass, Modular Trench Drain Grate.....	311.48	4.28
<b>33 42 36 00-0132</b>	<b>12" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0104)</small>		
33 42 36 00-0133	LF 12" Wide, Black Acid Resistant Coated Ductile Iron, Modular Trench Drain Grate.....	570.68	4.64
33 42 36 00-0134	LF 12" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	545.66	4.64
33 42 36 00-0135	LF 12" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	474.79	4.64
33 42 36 00-0136	LF 12" Wide, Heel Proof Ductile Iron, Modular Trench Drain Grate.....	498.76	4.64
33 42 36 00-0137	LF 12" Wide, Perforated Galvanized Steel, Modular Trench Drain Grate.....	431.01	4.64
33 42 36 00-0138	LF 12" Wide, Reinforced Galvanized Steel Slotted, Modular Trench Drain Grate.....	842.71	4.64
33 42 36 00-0139	LF 12" Wide, Reinforced Perforated Galvanized Steel, Modular Trench Drain Grate.....	842.71	4.64
33 42 36 00-0140	LF 12" Wide, Fabricated Stainless Steel Slotted, Modular Trench Drain Grate.....	1,075.14	4.64
33 42 36 00-0141	LF 12" Wide, Perforated Stainless Steel, Modular Trench Drain Grate.....	1,075.14	4.64
33 42 36 00-0142	LF 12" Wide, Reinforced Stainless Steel Slotted, Modular Trench Drain Grate.....	1,372.19	4.64
33 42 36 00-0143	LF 12" Wide, Reinforced Perforated Stainless Steel Slotted, Modular Trench Drain Grate.....	1,372.19	4.64
33 42 36 00-0144	LF 12" Wide, Stainless Steel Cast Bar, Modular Trench Drain Grate.....	1,302.36	4.64
33 42 36 00-0145	LF 12" Wide, Fiberglass, Modular Trench Drain Grate.....	615.50	4.64
<b>33 42 36 00-0146</b>	<b>23" Wide, Modular Trench Drain Grates</b> <small>(33 42 36 00-0104)</small>		
33 42 36 00-0147	LF 23" Wide, Ductile Iron Solid Cover, Modular Trench Drain Grate.....	900.75	5.00
33 42 36 00-0148	LF 23" Wide, Ductile Iron Slotted, Modular Trench Drain Grate.....	759.00	5.00
33 42 36 00-0149	LF 23" Wide, Galvanized Ductile Iron Slotted, Modular Trench Drain Grate.....	1,175.91	5.00
33 42 36 00-0150	LF 23" Wide, Heel Proof Longitudinal Ductile Iron, Modular Trench Drain Grate.....	871.56	5.00

**33 44 Storm Utility Water Drains** (33 40)

**33 44 36 Oil and Stormwater Separators** (33 44)

<b>33 44 36 00-0001</b>	<b>Oil/Water Separator</b> <small>(33 44 36)</small> Note: Complete with internal sensors and detectors.		
<b>33 44 36 00-0002</b>	<b>Coalescing Oil Water Separator</b> <small>(33 44 36 00-0001)</small> Note: Underground tank with interior polyurethane coating. Includes manways, coalescer, inlet and outlet spools, pump mount, 2" level sensor pipe and 4" pump out pipe. HighGuard as manufactured by Highland Tank, Stoystown, PA.		
<b>33 44 36 00-0003</b>	<b>Single Wall Steel Coalescing Oil Water Separator</b> <small>(33 44 36 00-0002)</small>		
33 44 36 00-0004	EA 550 Gallon, 55 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	19,679.60	
33 44 36 00-0005	EA 1,000 Gallon, 100 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	24,033.15	
33 44 36 00-0006	EA 2,000 Gallon, 200 GPM Single Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	28,744.00	

**33 Utilities****33 40 Stormwater Utilities****33 44 Storm Utility Water Drains**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
33 44 36 00-0007		<b>Double Wall Steel Coalescing Oil Water Separator</b> (33 44 36 00-0002)			
33 44 36 00-0008	EA	550 Gallon, 55 GPM Double Wall Steel Coalescing Oil Water Separator With Manways ..... Note: HTC-G 550. 3'-6" diameter x 10'-9" long tank.	30,455.87		
33 44 36 00-0009	EA	1,000 Gallon, 100 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 1000. 4' diameter x 14' long tank.	35,001.32		
33 44 36 00-0010	EA	2,000 Gallon, 200 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 2000. 5'-4" diameter x 15' long tank.	42,693.87		
33 44 36 00-0011	EA	3,000 Gallon, 300 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 3000. 5'-4" diameter x 21'-4" long tank.	49,654.86		
33 44 36 00-0012	EA	5,000 Gallon, 500 GPM Double Wall Steel Coalescing Oil Water Separator With Manways..... Note: HTC-G 5000. 6' diameter x 28'-8" long tank.	65,921.14		
33 44 36 00-0013		<b>Accessories For Coalescing Oil Water Separators</b> (33 44 36 00-0002)			
33 44 36 00-0014	EA	Single Channel Alarm Panel For Coalescing Oil Water Separator ..... Note: HTAP1.	1,263.73		
33 44 36 00-0015	EA	Two Channel Alarm Panel For Coalescing Oil Water Separator..... Note: HTAP2.	1,712.35		
33 44 36 00-0016	EA	Float Interface Sensor For Coalescing Oil Water Separator ..... Note: Required for UL 2215 label.	1,003.42		
33 44 36 00-0017	EA	1-1/2" Liquid Only Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	748.63		
33 44 36 00-0018	EA	Polyvinyl Chloride (PVC) Cap For 2" Sensor For Coalescing Oil Water Separator..... Note: Required for UL 2215 label.	270.92		
33 44 36 00-0019	EA	550, 1,000 Or 2,000 Gallon Tank Concrete Deadmen Set (2 Each) For Coalescing Oil Water Separator .....	4,219.96		
33 44 36 00-0020	EA	3,000 Gallon Tank Concrete Deadmen Set (4 Each) For Coalescing Oil Water Separator .....	8,439.92		
33 44 36 00-0021	EA	5,000 Gallon Tank Concrete Deadmen Set (6 Each) For Coalescing Oil Water Separator .....	12,659.98		
33 44 36 00-0022	EA	550 Or 1,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	804.42		
33 44 36 00-0023	EA	2,000 Gallon Tank Polyester Hold Down Straps (2 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	940.31		
33 44 36 00-0024	EA	3,000 Gallon Tank Polyester Hold Down Straps (4 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	1,880.61		
33 44 36 00-0025	EA	5,000 Gallon Tank Polyester Hold Down Straps (6 Each) With Galvanized Turnbuckle And Clamps For Coalescing Oil Water Separator .....	4,094.84		
33 44 36 00-0026	EA	30" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,122.90		
33 44 36 00-0027	EA	36" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,453.81		
33 44 36 00-0028	EA	48" Diameter Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	1,997.05		
33 44 36 00-0029	EA	54" x 54" Grade Level Manway For Coalescing Oil Water Separator .....	3,585.20		
33 44 36 00-0030	EA	66" x 54" Grade Level Manway For Coalescing Oil Water Separator .....	4,591.59		
33 44 36 00-0031	EA	66" x 66" Grade Level Manway For Coalescing Oil Water Separator..... Note: Required when installed in paved areas.	5,746.61		
33 44 36 00-0032	EA	78" x 66" Grade Level Manway For Coalescing Oil Water Separator .....	7,228.59		
33 44 36 00-0033	EA	550 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,416.17		
33 44 36 00-0034	EA	1,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	1,726.15		
33 44 36 00-0035	EA	2,000 Gallon Petroscreen (Material Only) For Coalescing Oil Water Separator .....	2,711.31		
33 44 36 00-0036	EA	550 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,350.35		
33 44 36 00-0037	EA	1,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,639.10		
33 44 36 00-0038	EA	2,000 Gallon Corrugated Coalescer Plate (Material Only) For Coalescing Oil Water Separator .....	1,944.84		
33 44 36 00-0039	EA	18" Manhole Gasket (Material Only) For Coalescing Oil Water Separator .....	114.65		
33 44 36 00-0040	EA	24" Manhole Gasket (Material Only) For Coalescing Oil Water Separator .....	129.51		
33 44 36 00-0041		<b>Oil Skimmers</b> (33 44 36)			
33 44 36 00-0042		<b>Oil Skimmers, 12" And 24" Models</b> (33 44 36 00-0041)			
33 44 36 00-0043	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,525.13	838.02	
33 44 36 00-0044	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	5,760.93	838.02	
33 44 36 00-0045	EA	Oil Skimmers, TENV, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,546.97	838.02	
33 44 36 00-0046	EA	Oil Skimmers, Explosion-Proof, 12" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	5,849.35	838.02	
33 44 36 00-0047	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,794.77	838.02	
33 44 36 00-0048	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	5,994.54	838.02	
33 44 36 00-0049	EA	Oil Skimmers, TENV, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	5,846.07	838.02	
33 44 36 00-0050	EA	Oil Skimmers, Explosion-Proof, 12" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	6,147.37	838.02	
33 44 36 00-0051	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	6,337.42	1,117.58	
33 44 36 00-0052	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 230/460 Volt, 3 Phase .....	6,589.59	1,117.58	
33 44 36 00-0053	EA	Oil Skimmers, TENV, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	6,404.01	1,117.58	
33 44 36 00-0054	EA	Oil Skimmers, Explosion-Proof, 24" Open, 1/2 HP, 115/220 Volt, 1 Phase .....	6,766.44	1,117.58	
33 44 36 00-0055	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	6,974.94	1,117.58	
33 44 36 00-0056	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 230/460 Volt, 3 Phase .....	7,227.11	1,117.58	
33 44 36 00-0057	EA	Oil Skimmers, TENV, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	7,028.43	1,117.58	
33 44 36 00-0058	EA	Oil Skimmers, Explosion-Proof, 24" Enclosed, 1/2 HP, 115/220 Volt, 1 Phase .....	7,391.95	1,117.58	
33 44 36 00-0059		<b>Oil Skimmers, Add-Ons</b> (33 44 36 00-0041)			
33 44 36 00-0060	LF	Add For Belt Projection, 12" Width .....	16.37		
33 44 36 00-0061	LF	Add For Belt Projection, 24" Width .....	30.57		
33 44 36 00-0062	LF	Add For Spacer Stands, 12" Models .....	301.20		
33 44 36 00-0063	LF	Add For Spacer Stands, 24" Models .....	349.23		



MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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### 33 50 Hydrocarbon Utilities <sup>(33)</sup>

#### 33 52 Hydrocarbon Transmission and Distribution <sup>(33 50)</sup>

##### 33 52 16 Gas Hydrocarbon Piping <sup>(33 52)</sup>

##### 33 52 16 13 Steel Natural Gas Piping <sup>(33 52 16)</sup>

See CSI section 23 05 23 00-0000 for gas valves.

33 52 16 13-0001		LF	Gas Distribution Lines <sup>(33 52 16 13)</sup>		
			Note: Excludes excavation and backfill. See CSI section 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.		
33 52 16 13-0002			Steel, Schedule 40, Plain End, Coal Tar Enamel And Wrapped <sup>(33 52 16 13-0001)</sup>		
33 52 16 13-0003	LF		1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	33.78	3.78
33 52 16 13-0004	LF		3/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	39.45	4.15
33 52 16 13-0005	LF		1" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	46.44	4.26
33 52 16 13-0006	LF		1-1/4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	47.63	4.38
33 52 16 13-0007	LF		1-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	49.71	4.43
33 52 16 13-0008	LF		2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	52.54	4.75
33 52 16 13-0009	LF		2-1/2" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	75.73	5.56
33 52 16 13-0010	LF		3" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	94.20	7.02
33 52 16 13-0011	LF		4" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	129.54	8.47
33 52 16 13-0012	LF		5" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	179.25	9.83
33 52 16 13-0013	LF		6" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	226.28	11.99
33 52 16 13-0014	LF		8" Diameter Schedule 40 Steel Gas Distribution Line, Plain End, Coal Tar Enamel.....	334.67	15.43

##### 33 52 16 13-0015 Gas Line Taps <sup>(33 52 16 13-0001)</sup>

Note: Includes material to tap into main and gas valve.

33 52 16 13-0016			Polyethylene, 60 PSI <sup>(33 52 16 13-0015)</sup>		
33 52 16 13-0017	EA		2" Polyethylene Hot Tap, With Valve.....	5,228.92	
33 52 16 13-0018	EA		2-1/2" Polyethylene Hot Tap, With Valve.....	2,958.78	
33 52 16 13-0019	EA		3" Polyethylene Hot Tap, With Valve.....	3,114.80	
33 52 16 13-0020	EA		4" Polyethylene Hot Tap, With Valve.....	9,074.29	
33 52 16 13-0021	EA		6" Polyethylene Hot Tap, With Valve.....	14,214.14	

##### 33 52 16 13-0022 Steel, Schedule 40 <sup>(33 52 16 13-0015)</sup>

Note: For punch steel service tee.

33 52 16 13-0023	EA		1/2" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....		3,462.18
33 52 16 13-0024	EA		3/4" Iron Pipe Size Weld Base, 1/2" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....		3,520.84
33 52 16 13-0025	EA		3/4" Iron Pipe Size Weld Base, 3/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....		3,601.85
33 52 16 13-0026	EA		3/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....		3,680.24
33 52 16 13-0027	EA		1" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....		3,738.71
33 52 16 13-0028	EA		1-1/4" Iron Pipe Size Weld Base, 1" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....		4,069.53
33 52 16 13-0029	EA		1-1/4" Iron Pipe Size Weld Base, 1-1/4" Iron Pipe Size Compression/Plain End Pipe Outlet Punch Valve Steel Service Tee.....		4,172.26

##### 33 52 16 13-0030 Protective Pipe And Fitting Wrap <sup>(33 52 16 13-0001)</sup>

Note: Includes cleaning and priming pipe.

##### 33 52 16 13-0031 Corrosion Protection Pipe Wrap For Pipe <sup>(33 52 16 13-0030)</sup>

Note: Field applied.

33 52 16 13-0032	LF		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		4.12
33 52 16 13-0033	LF		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		4.36
33 52 16 13-0034	LF		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		4.66
33 52 16 13-0035	LF		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		5.20
33 52 16 13-0036	LF		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		5.62
33 52 16 13-0037	LF		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		6.43
33 52 16 13-0038	LF		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		7.71
33 52 16 13-0039	LF		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		9.45
33 52 16 13-0040	LF		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		11.77
33 52 16 13-0041	LF		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe.....		15.44

##### 33 52 16 13-0042 Corrosion Resistance Wrap And Coat - Fittings <sup>(33 52 16 13-0030)</sup>

Note: Field applied.

33 52 16 13-0043	EA		1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		25.41
33 52 16 13-0044	EA		3/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		25.41
33 52 16 13-0045	EA		1" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		31.48
33 52 16 13-0046	EA		1-1/4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		35.24
33 52 16 13-0047	EA		1-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		35.24
33 52 16 13-0048	EA		2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		41.68
33 52 16 13-0049	EA		2-1/2" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		55.78
33 52 16 13-0050	EA		3" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		74.60
33 52 16 13-0051	EA		4" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		75.24
33 52 16 13-0052	EA		6" Outside Pipe Diameter, Corrosion Protection Wrap For Pipe Fittings.....		86.32

**33 Utilities****33 50 Hydrocarbon Utilities****33 52 Hydrocarbon Transmission and Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 52 16 23 Medium Density Polyethylene Piping for Natural Gas (33 52 16)****33 52 16 23-0001 Medium Density Polyethylene (MDPE) Gas Distribution Piping (33 52 16 23)**

Note: PE2406/PE2708. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 23-0002	LF 1/2" Diameter, SDR 9, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	5.23	2.37
	For Colors, Add	0.06	
33 52 16 23-0003	LF 3/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	5.79	2.53
	For SDR 13.5, Deduct	-0.13	
	For Colors, Add	0.08	
33 52 16 23-0004	LF 1" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	6.37	2.71
	For SDR 13.5, Deduct	-0.15	
	For Colors, Add	0.10	
33 52 16 23-0005	LF 1-1/4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	6.96	2.87
	For SDR 13.5, Deduct	-0.18	
	For Colors, Add	0.12	
33 52 16 23-0006	LF 1-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	7.94	3.46
	For SDR 13.5, Deduct	-0.26	
	For Colors, Add	0.17	
33 52 16 23-0007	LF 2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	8.92	3.76
	For SDR 13.5, Deduct	-0.34	
	For SDR 15.5, Deduct	-0.63	
	For Colors, Add	0.22	
33 52 16 23-0008	LF 2-1/2" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	11.11	4.40
	For SDR 13.5, Deduct	-0.57	
	For SDR 15.5, Deduct	-1.05	
	For Colors, Add	0.37	
33 52 16 23-0009	LF 3" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	13.48	5.24
	For SDR 13.5, Deduct	-0.78	
	For SDR 15.5, Deduct	-1.44	
	For Colors, Add	0.50	
33 52 16 23-0010	LF 4" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	21.50	5.97
	For SDR 13.5, Deduct	-1.44	
	For SDR 15.5, Deduct	-2.65	
	For Colors, Add	0.93	
33 52 16 23-0011	LF 5" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	26.98	5.97
	For SDR 13.5, Deduct	-2.00	
	For SDR 15.5, Deduct	-3.68	
	For Colors, Add	1.29	
33 52 16 23-0012	LF 6" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	32.61	5.97
	For SDR 13.5, Deduct	-2.56	
	For SDR 15.5, Deduct	-4.71	
	For Colors, Add	1.65	
33 52 16 23-0013	LF 8" Diameter, SDR 11, Medium Density Polyethylene (MDPE) Gas Distribution Pipe .....	47.84	7.46
	For SDR 13.5, Deduct	-4.27	
	For SDR 15.5, Deduct	-7.84	
	For Colors, Add	2.75	

**33 52 16 26 High Density Polyethylene Piping for Natural Gas (33 52 16)****33 52 16 26-0001 High Density Polyethylene (HDPE) Gas Distribution Piping (33 52 16 26)**

Note: ASTM F2619, ASTM D2513, API 15 LE. Includes couplings, #12 tracer wire, helically wrapped around piping.

33 52 16 26-0002	LF 1/2" Diameter, SDR 9 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	5.30	2.37
33 52 16 26-0003	LF 3/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	5.90	2.53
	For SDR 13.5, Deduct	-0.14	
33 52 16 26-0004	LF 1" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	6.48	2.71
	For SDR 13.5, Deduct	-0.17	
33 52 16 26-0005	LF 1-1/4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	7.11	2.87
	For SDR 13.5, Deduct	-0.20	
33 52 16 26-0006	LF 1-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	8.15	3.46
	For SDR 13.5, Deduct	-0.29	
33 52 16 26-0007	LF 2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	9.20	3.76
	For SDR 13.5, Deduct	-0.38	
	For SDR 15.5, Deduct	-0.70	
	For SDR 17, Deduct	-1.01	
33 52 16 26-0008	LF 2-1/2" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	11.57	4.40
	For SDR 13.5, Deduct	-0.63	
	For SDR 15.5, Deduct	-1.16	
	For SDR 17, Deduct	-1.68	
33 52 16 26-0009	LF 3" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	14.11	5.24
	For SDR 13.5, Deduct	-0.86	
	For SDR 15.5, Deduct	-1.58	
	For SDR 17, Deduct	-2.29	
	For SDR 21, Deduct	-3.14	
33 52 16 26-0010	LF 4" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	22.67	5.97
	For SDR 13.5, Deduct	-1.59	
	For SDR 15.5, Deduct	-2.92	
	For SDR 17, Deduct	-4.24	
	For SDR 21, Deduct	-5.80	
33 52 16 26-0011	LF 6" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe .....	34.68	5.97
	For SDR 13.5, Deduct	-2.82	
	For SDR 15.5, Deduct	-5.18	
	For SDR 17, Deduct	-7.52	
	For SDR 21, Deduct	-10.30	

	<b>Utilities</b>	<b>33</b>
	<b>Hydrocarbon Utilities</b>	<b>33 50</b>
	<b>Hydrocarbon Transmission and Distribution</b>	<b>33 52</b>

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 52 16 26-0012	LF		8" Diameter, SDR 11 High Density Polyethylene (HDPE) Gas Distribution Pipe.....	51.28	7.46
			<i>For SDR 13.5, Deduct</i>	-4.69	
			<i>For SDR 15.5, Deduct</i>	-8.63	
			<i>For SDR 17, Deduct</i>	-12.53	
			<i>For SDR 21, Deduct</i>	-17.14	

**33 53 Hydrocarbon Utility Pressure Regulation** (33 50)

**33 53 16 Gas Hydrocarbon Pressure Regulation** (33 53)

**33 53 16 00-0001 Gas Pressure Regulators With Screwed And Flanged Ends** (33 53 16)

33 53 16 00-0002	EA		3/4" Gas Pressure Regulator, Screwed End.....	300.54	24.26
33 53 16 00-0003	EA		1" Gas Pressure Regulator, Screwed End.....	306.05	24.26
33 53 16 00-0004	EA		1-1/4" Gas Pressure Regulator, Screwed End.....	319.26	28.81
33 53 16 00-0005	EA		1-1/2" Gas Pressure Regulator, Screwed End.....	1,073.38	33.36
33 53 16 00-0006	EA		2" Gas Pressure Regulator, Screwed End.....	1,143.05	51.67
33 53 16 00-0007	EA		3" Gas Pressure Regulator, Screwed End.....	3,210.18	115.90
33 53 16 00-0008	EA		4" Gas Pressure Regulator, Screwed End.....	4,460.70	153.61

**33 56 Hydrocarbon Storage** (33 50)

**33 56 13 Aboveground Hydrocarbon Storage Tanks** (33 56)

See CSI section 23 13 23 00-0000 for aboveground storage tanks.

**33 56 33 Underground Hydrocarbon Storage** (33 56)

See CSI section 23 13 13 00-0000 for underground storage tanks.

**33 59 Hydrocarbon Utility Metering** (33 50)

**33 59 11 Diaphragm/Bellows Hydrocarbons Meters** (33 59)

**33 59 11 00-0001 Diaphragm Meters** (33 59 11)

Note: With standard direct-digital reading maximum working pressures 5 lbs to 100 lbs, threaded connections. Excludes pressure and temperature compensation.

33 59 11 00-0002	EA		250 CF/Hour Gas Diaphragm Meter At 5 LB, Direct Digital, Threaded.....	735.12	94.96
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0003	EA		425 CF/Hour Gas Diaphragm Meter At 10 LB, Direct Digital, Threaded.....	1,446.63	145.23
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0004	EA		425 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	1,702.13	145.23
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0005	EA		800 CF/Hour Gas Diaphragm Meter At 20 LB, Direct Digital, Threaded.....	3,727.06	181.54
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0006	EA		1,000 CF/Hour Gas Diaphragm Meter At 25 LB, Direct Digital, Threaded.....	4,214.72	223.43
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0007	EA		800 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	5,552.70	181.54
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0008	EA		1,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	6,179.31	223.43
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0009	EA		1,400 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	8,160.53	237.40
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0010	EA		2,300 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	11,549.99	279.29
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	
33 59 11 00-0011	EA		5,000 CF/Hour Gas Diaphragm Meter At 100 LB, Direct Digital, Threaded.....	17,640.44	460.83
			<i>For Temperature And Pressure Compensation, Add</i>	8.40	
			<i>For Pulsers, Add</i>	26.50	

**33 59 16 Hydrocarbons Turbine Meters** (33 59)

**33 59 16 00-0001 Gas Turbine Meters With Direct-Digital Reading** (33 59 16)

Note: Maximum working pressure 175 PSI, flanged end connections.

33 59 16 00-0002	EA		4", 18,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	14,115.28	475.62
33 59 16 00-0003	EA		6", 30,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	15,156.35	552.33
33 59 16 00-0004	EA		8", 60,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	23,494.63	621.54
33 59 16 00-0005	EA		10", 90,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	45,667.00	756.66
33 59 16 00-0006	EA		12", 150,000 CF/Hour Gas Turbine Meter 175 PSI, Direct Digital, Flanged.....	75,391.72	945.82

**33 60 Hydronic and Steam Energy Utilities** (33)

**33 61 Hydronic Energy Distribution** (33 60)

**33 61 13 Buried Hydronic Energy Distribution** (33 61)

**33 61 13 00-0001 Prefabricated/Preinsulated Pipe** (33 61 13)

Note: Includes coupling per full length of pipe. Insulation and jacketing sealed for seamless system including all fittings. Excludes excavation and backfill. See CSI section 23 01 20 91-0041 for purging of existing system, 31 23 16 00-0000 for excavation, 31 23 16 36-0016 for backfill.

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0002		<b>Preinsulated Schedule 40 Black Steel Pipe</b> <small>(33 61 13 00-0001)</small> Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.		
33 61 13 00-0003		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small> Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0004	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	176.64 28.61 2.86	25.18
33 61 13 00-0005	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	193.58 31.47 3.15	27.18
33 61 13 00-0006	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	215.70 35.44 3.54	28.85
33 61 13 00-0007	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	230.83 38.04 3.80	30.47
33 61 13 00-0008	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	241.97 39.77 3.98	32.35
33 61 13 00-0009	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	269.45 43.22 4.32	39.99
33 61 13 00-0010	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	298.50 46.68 4.67	48.82
33 61 13 00-0011	LF	4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	376.82 58.79 5.88	62.17
33 61 13 00-0012	LF	5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	477.58 75.21 7.52	76.14
33 61 13 00-0013	LF	6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	555.50 87.31 8.73	89.20
33 61 13 00-0014	LF	8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	779.11 127.08 12.71	107.78
33 61 13 00-0015	LF	10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,009.57 167.71 16.77	128.26
33 61 13 00-0016	LF	12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,256.50 209.21 20.92	157.85
33 61 13 00-0017		<b>Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small> Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0018	LF	3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	190.95 31.48 3.15	25.18
33 61 13 00-0019	LF	1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	209.31 34.61 3.46	27.18
33 61 13 00-0020	LF	1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	233.42 38.99 3.90	28.85
33 61 13 00-0021	LF	1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	249.85 41.84 4.18	30.47
33 61 13 00-0022	LF	2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	261.86 43.74 4.37	32.35
33 61 13 00-0023	LF	2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	291.07 47.55 4.75	39.99
33 61 13 00-0024	LF	3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	321.85 51.35 5.14	48.82

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0025 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	406.21 64.66 6.47	62.17
33 61 13 00-0026 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	515.18 82.73 8.27	76.14
33 61 13 00-0027 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	599.16 96.05 9.60	89.20
33 61 13 00-0028 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	842.66 139.79 13.98	107.78
33 61 13 00-0029 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,093.43 184.48 18.45	128.26
33 61 13 00-0030 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,361.10 230.13 23.01	157.85
<b>33 61 13 00-0031 Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0032 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	198.11 32.91 3.29	25.18
33 61 13 00-0033 LF 1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	217.18 36.19 3.62	27.18
33 61 13 00-0034 LF 1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	242.29 40.76 4.08	28.85
33 61 13 00-0035 LF 1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	259.36 43.74 4.37	30.47
33 61 13 00-0036 LF 2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	271.80 45.73 4.57	32.35
33 61 13 00-0037 LF 2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	301.87 49.71 4.97	39.99
33 61 13 00-0038 LF 3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	333.52 53.69 5.37	48.82
33 61 13 00-0039 LF 4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	420.91 67.60 6.76	62.17
33 61 13 00-0040 LF 5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	533.98 86.49 8.65	76.14
33 61 13 00-0041 LF 6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	620.99 100.41 10.04	89.20
33 61 13 00-0042 LF 8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	874.43 146.14 14.61	107.78
33 61 13 00-0043 LF 10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,135.35 192.87 19.29	128.26
33 61 13 00-0044 LF 12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,413.41 240.59 24.06	157.85
<b>33 61 13 00-0045 Standard Black Steel Carrier Pipe</b> <small>(33 61 13 00-0002)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0046 LF 3/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For Schedule 80 Pipe, Add</i> <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	208.84 35.05 3.51	25.18



**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0047	LF		1" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	228.98	27.18
			<i>For Schedule 80 Pipe, Add</i>	38.55	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.85	
33 61 13 00-0048	LF		1-1/4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	255.58	28.85
			<i>For Schedule 80 Pipe, Add</i>	43.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.34	
33 61 13 00-0049	LF		1-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	273.62	30.47
			<i>For Schedule 80 Pipe, Add</i>	46.60	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.66	
33 61 13 00-0050	LF		2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	286.71	32.35
			<i>For Schedule 80 Pipe, Add</i>	48.71	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.87	
33 61 13 00-0051	LF		2-1/2" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	318.08	39.99
			<i>For Schedule 80 Pipe, Add</i>	52.95	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.30	
33 61 13 00-0052	LF		3" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	351.02	48.82
			<i>For Schedule 80 Pipe, Add</i>	57.19	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.72	
33 61 13 00-0053	LF		4" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	442.95	62.17
			<i>For Schedule 80 Pipe, Add</i>	72.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.20	
33 61 13 00-0054	LF		5" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	562.19	76.14
			<i>For Schedule 80 Pipe, Add</i>	92.13	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
33 61 13 00-0055	LF		6" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	653.73	89.20
			<i>For Schedule 80 Pipe, Add</i>	106.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.70	
33 61 13 00-0056	LF		8" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	922.08	107.78
			<i>For Schedule 80 Pipe, Add</i>	155.67	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.57	
33 61 13 00-0057	LF		10" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,198.25	128.26
			<i>For Schedule 80 Pipe, Add</i>	205.45	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.54	
33 61 13 00-0058	LF		12" Diameter Preinsulated Schedule 40 Black Steel Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,491.86	157.85
			<i>For Schedule 80 Pipe, Add</i>	256.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.63	
33 61 13 00-0059			<b>Preinsulated Black Steel Fittings</b> (33 61 13 00-0001)		
			Note: No excavation or backfill.		
33 61 13 00-0060			<b>Elbows</b> (33 61 13 00-0059)		
33 61 13 00-0061			<b>Elbows</b> (33 61 13 00-0060)		
			Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0062	EA		3/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,244.72	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.80	
33 61 13 00-0063	EA		1" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,282.33	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.31	
33 61 13 00-0064	EA		1-1/4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,466.53	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.39	
33 61 13 00-0065	EA		1-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,625.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.69	
33 61 13 00-0066	EA		2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,803.96	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.85	
33 61 13 00-0067	EA		2-1/2" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,028.77	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.00	
33 61 13 00-0068	EA		3" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,350.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.62	
33 61 13 00-0069	EA		4" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,742.49	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.39	
33 61 13 00-0070	EA		5" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,370.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.93	
33 61 13 00-0071	EA		6" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,761.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.98	
33 61 13 00-0072	EA		8" Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,347.79	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	85.26	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-073	EA	10"	Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,013.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	108.98	
33 61 13 00-074	EA	12"	Diameter Preinsulated Black Steel Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,089.68	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	144.24	

**33 61 13 00-0075 Elbows** (33 61 13 00-0060)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-076	EA	3/4"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,326.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.43	
33 61 13 00-077	EA	1"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,365.99	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.98	
33 61 13 00-078	EA	1-1/4"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,561.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.29	
33 61 13 00-079	EA	1-1/2"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,729.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.77	
33 61 13 00-080	EA	2"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,912.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.01	
33 61 13 00-081	EA	2-1/2"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,141.28	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.25	
33 61 13 00-082	EA	3"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,480.08	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.21	
33 61 13 00-083	EA	4"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,893.94	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.42	
33 61 13 00-084	EA	5"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,565.01	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	55.82	
33 61 13 00-085	EA	6"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,982.59	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.40	
33 61 13 00-086	EA	8"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,667.52	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	91.66	
33 61 13 00-087	EA	10"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,421.75	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	117.16	
33 61 13 00-088	EA	12"	Diameter Preinsulated Black Steel Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,630.58	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	155.06	

**33 61 13 00-0089 Elbows** (33 61 13 00-0060)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-090	EA	3/4"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,408.20	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.07	
33 61 13 00-091	EA	1"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,449.65	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.66	
33 61 13 00-092	EA	1-1/4"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,656.93	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.19	
33 61 13 00-093	EA	1-1/2"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,833.46	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.85	
33 61 13 00-094	EA	2"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,020.32	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.18	
33 61 13 00-095	EA	2-1/2"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,253.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.50	
33 61 13 00-096	EA	3"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,609.90	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.81	
33 61 13 00-097	EA	4"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,045.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.45	
33 61 13 00-098	EA	5"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,759.73	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.72	
33 61 13 00-099	EA	6"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,203.76	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	67.83	
33 61 13 00-100	EA	8"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,987.26	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	98.05	
33 61 13 00-101	EA	10"	Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,830.42	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	125.33	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 61 13 00-0102	EA	12" Diameter Preinsulated Black Steel Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,171.49
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	165.88

**33 61 13 00-0103 Elbows** (33 61 13 00-0060)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0104	EA	3/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,489.93
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.70
33 61 13 00-0105	EA	1" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,533.31
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.33
33 61 13 00-0106	EA	1-1/4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,752.13
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	31.10
33 61 13 00-0107	EA	1-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,937.32
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.93
33 61 13 00-0108	EA	2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,128.50
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.34
33 61 13 00-0109	EA	2-1/2" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,366.29
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.75
33 61 13 00-0110	EA	3" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,739.71
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.41
33 61 13 00-0111	EA	4" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,196.85
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.47
33 61 13 00-0112	EA	5" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,954.46
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	63.61
33 61 13 00-0113	EA	6" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,424.93
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	72.25
33 61 13 00-0114	EA	8" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,307.00
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	104.45
33 61 13 00-0115	EA	10" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,239.11
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	133.50
33 61 13 00-0116	EA	12" Diameter Preinsulated Black Steel Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,712.39
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	176.70

**33 61 13 00-0117 Tees** (33 61 13 00-0059)**33 61 13 00-0118 Tees** (33 61 13 00-0117)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0119	EA	3/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,850.65
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.37
33 61 13 00-0120	EA	1" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,906.53
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.13
33 61 13 00-0121	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,180.49
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	37.70
33 61 13 00-0122	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,417.56
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.13
33 61 13 00-0123	EA	2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,683.64
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	42.84
33 61 13 00-0124	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,019.69
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.55
33 61 13 00-0125	EA	3" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,499.43
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	51.41
33 61 13 00-0126	EA	4" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,083.43
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.98
33 61 13 00-0127	EA	5" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,020.57
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	77.11
33 61 13 00-0128	EA	6" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,599.03
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	87.58
33 61 13 00-0129	EA	8" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,955.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	126.61
33 61 13 00-0130	EA	10" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	10,440.62
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	161.84

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0131	EA 12" Diameter Preinsulated Black Steel Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13,526.33	214.20
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**33 61 13 00-0132 Tees** (33 61 13 00-0117)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0133	EA 3/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,972.02	34.80
33 61	13 00-0134	EA 1" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,030.76	35.61
33 61	13 00-0135	EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,321.86	40.53
33 61	13 00-0136	EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,571.78	44.21
33 61	13 00-0137	EA 2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,844.29	46.05
33 61	13 00-0138	EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,186.77	47.99
33 61	13 00-0139	EA 3" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,692.21	55.26
33 61	13 00-0140	EA 4" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,308.34	64.47
33 61	13 00-0141	EA 5" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,309.73	82.89
33 61	13 00-0142	EA 6" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,927.47	94.15
33 61	13 00-0143	EA 8" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8,430.53	136.11
33 61	13 00-0144	EA 10" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11,047.51	173.98
33 61	13 00-0145	EA 12" Diameter Preinsulated Black Steel Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14,329.58	230.26

**33 61 13 00-0146 Tees** (33 61 13 00-0117)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0147	EA 3/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,093.40	37.22
33 61	13 00-0148	EA 1" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,155.00	38.10
33 61	13 00-0149	EA 1-1/4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,463.24	43.35
33 61	13 00-0150	EA 1-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,726.01	47.30
33 61	13 00-0151	EA 2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,004.94	49.27
33 61	13 00-0152	EA 2-1/2" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,353.84	51.24
33 61	13 00-0153	EA 3" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,884.98	59.12
33 61	13 00-0154	EA 4" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,533.25	68.97
33 61	13 00-0155	EA 5" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,598.90	88.68
33 61	13 00-0156	EA 6" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6,255.91	100.72
33 61	13 00-0157	EA 8" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8,905.34	145.61
33 61	13 00-0158	EA 10" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11,654.40	186.11
33 61	13 00-0159	EA 12" Diameter Preinsulated Black Steel Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15,132.83	246.33

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST**33 61 13 00-0160****Tees** (33 61 13 00-0117)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0161	EA	3/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,214.78
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.65
33 61 13 00-0162	EA	1" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,279.23
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	40.58
33 61 13 00-0163	EA	1-1/4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,604.61
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.18
33 61 13 00-0164	EA	1-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,880.23
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	50.38
33 61 13 00-0165	EA	2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,165.59
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.48
33 61 13 00-0166	EA	2-1/2" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,520.91
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	54.58
33 61 13 00-0167	EA	3" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,077.76
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	62.97
33 61 13 00-0168	EA	4" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,758.16
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	73.47
33 61 13 00-0169	EA	5" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,888.07
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	94.46
33 61 13 00-0170	EA	6" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,584.34
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	107.29
33 61 13 00-0171	EA	8" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,380.15
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	155.10
33 61 13 00-0172	EA	10" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	12,261.30
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	198.25
33 61 13 00-0173	EA	12" Diameter Preinsulated Black Steel Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	15,936.07
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	262.39

**33 61 13 00-0174****Reducers** (33 61 13 00-0059)**33 61 13 00-0175****Reducers** (33 61 13 00-0174)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0176	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,044.00
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.09
33 61 13 00-0177	EA	1" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,075.98
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	18.52
33 61 13 00-0178	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,231.04
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.07
33 61 13 00-0179	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,366.14
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.99
33 61 13 00-0180	EA	2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,522.44
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.94
33 61 13 00-0181	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,732.76
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.90
33 61 13 00-0182	EA	3" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,999.06
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.73
33 61 13 00-0183	EA	4" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,326.56
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.52
33 61 13 00-0184	EA	5" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,851.75
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	43.10
33 61 13 00-0185	EA	6" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,179.13
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	48.95
33 61 13 00-0186	EA	8" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,514.84
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	70.77
33 61 13 00-0187	EA	10" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,930.98
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	90.46
33 61 13 00-0188	EA	12" Diameter Preinsulated Black Steel Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	7,673.01
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	119.72



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>33 61 13 00-0189</b>	<b>Reducers</b> <small>(33 61 13 00-0174)</small>	Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0190	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,111.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.45	
33 61 13 00-0191	EA	1" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,145.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.91	
33 61 13 00-0192	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,310.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.65	
33 61 13 00-0193	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,452.34	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.71	
33 61 13 00-0194	EA	2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,612.23	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.74	
33 61 13 00-0195	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,826.14	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.77	
33 61 13 00-0196	EA	3" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,106.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.89	
33 61 13 00-0197	EA	4" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,452.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.04	
33 61 13 00-0198	EA	5" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,013.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	46.33	
33 61 13 00-0199	EA	6" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,362.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.62	
33 61 13 00-0200	EA	8" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,780.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	76.08	
33 61 13 00-0201	EA	10" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,270.19	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	97.24	
33 61 13 00-0202	EA	12" Diameter Preinsulated Black Steel Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,121.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	128.70	

<b>33 61 13 00-0203</b>	<b>Reducers</b> <small>(33 61 13 00-0174)</small>	Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0204	EA	3/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,179.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.80	
33 61 13 00-0205	EA	1" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,214.85	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.29	
33 61 13 00-0206	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,389.07	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.23	
33 61 13 00-0207	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,538.54	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.43	
33 61 13 00-0208	EA	2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,702.02	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	27.54	
33 61 13 00-0209	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,919.52	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.64	
33 61 13 00-0210	EA	3" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,214.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	33.04	
33 61 13 00-0211	EA	4" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,577.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	38.55	
33 61 13 00-0212	EA	5" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,175.00	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	49.56	
33 61 13 00-0213	EA	6" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,546.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	56.30	
33 61 13 00-0214	EA	8" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,045.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	81.38	
33 61 13 00-0215	EA	10" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,609.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	104.02	
33 61 13 00-0216	EA	12" Diameter Preinsulated Black Steel Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	8,570.91	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	137.68	

<b>33 61 13 00-0217</b>	<b>Reducers</b> <small>(33 61 13 00-0174)</small>	Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
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**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 61 13 00-0218	EA	3/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,247.53	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.16	
33 61 13 00-0219	EA	1" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,284.29	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	22.68	
33 61 13 00-0220	EA	1-1/4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,468.08	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	25.81	
33 61 13 00-0221	EA	1-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,624.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.16	
33 61 13 00-0222	EA	2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,791.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.33	
33 61 13 00-0223	EA	2-1/2" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,012.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	30.50	
33 61 13 00-0224	EA	3" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,322.31	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	35.20	
33 61 13 00-0225	EA	4" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,703.68	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	41.06	
33 61 13 00-0226	EA	5" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,336.62	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	52.80	
33 61 13 00-0227	EA	6" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,729.84	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	59.97	
33 61 13 00-0228	EA	8" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,310.97	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	86.69	
33 61 13 00-0229	EA	10" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	6,948.60	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	110.81	
33 61 13 00-0230	EA	12" Diameter Preinsulated Black Steel Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	9,019.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	146.66	

33 61 13 00-0231 **Preinsulated Type K Copper Pipe** (33 61 13 00-0001)  
Note: With polyurethane insulation and non-metallic casing. Excludes excavation or backfill.

33 61 13 00-0232 **Type K Copper Carrier Pipe** (33 61 13 00-0231)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0233	LF	3/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	53.99	21.73
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.43	
33 61 13 00-0234	LF	1" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.72	23.45
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.47	
33 61 13 00-0235	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	63.86	24.91
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.53	
33 61 13 00-0236	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.90	26.32
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.57	
33 61 13 00-0237	LF	2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	71.63	27.93
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.60	
33 61 13 00-0238	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	84.11	34.54
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 00-0239	LF	3" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	98.10	42.14
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 00-0240	LF	4" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	124.44	53.66
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.88	
33 61 13 00-0241	LF	5" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	154.80	65.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.13	
33 61 13 00-0242	LF	6" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	180.77	77.00
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.31	
33 61 13 00-0243	LF	8" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	234.56	93.40
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.90	
33 61 13 00-0244	LF	10" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	291.48	110.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.51	
33 61 13 00-0245	LF	12" Diameter Preinsulated Type K Copper Pipe With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	360.82	136.24
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.13	

33 61 13 00-0246 **Type K Copper Carrier Pipe** (33 61 13 00-0231)  
Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0247	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	56.13	21.73
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.47	
33 61	13 00-0248	LF		1" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	61.07	23.45
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.52	
33 61	13 00-0249	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	66.51	24.91
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.58	
33 61	13 00-0250	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	70.75	26.32
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.63	
33 61	13 00-0251	LF		2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	74.60	27.93
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.65	
33 61	13 00-0252	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	87.35	34.54
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.71	
33 61	13 00-0253	LF		3" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	101.59	42.14
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.77	
33 61	13 00-0254	LF		4" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	128.84	53.66
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.97	
33 61	13 00-0255	LF		5" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	160.43	65.72
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.24	
33 61	13 00-0256	LF		6" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	187.30	77.00
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.44	
33 61	13 00-0257	LF		8" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	244.07	93.40
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	2.09	
33 61	13 00-0258	LF		10" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	304.03	110.72
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	2.76	
33 61	13 00-0259	LF		12" Diameter Preinsulated Type K Copper Pipe With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	376.47	136.24
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	3.44	
<b>33 61</b>	<b>13 00-0260</b>			<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0261	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	57.20	21.73
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.49	
33 61	13 00-0262	LF		1" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	62.25	23.45
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.54	
33 61	13 00-0263	LF		1-1/4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	67.84	24.91
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.61	
33 61	13 00-0264	LF		1-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	72.17	26.32
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.65	
33 61	13 00-0265	LF		2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	76.09	27.93
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.68	
33 61	13 00-0266	LF		2-1/2" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	88.97	34.54
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.74	
33 61	13 00-0267	LF		3" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	103.34	42.14
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.80	
33 61	13 00-0268	LF		4" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	131.04	53.66
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.01	
33 61	13 00-0269	LF		5" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	163.24	65.72
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.29	
33 61	13 00-0270	LF		6" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	190.57	77.00
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	1.50	
33 61	13 00-0271	LF		8" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	248.83	93.04
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	2.19	
33 61	13 00-0272	LF		10" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	310.30	110.72
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	2.89	
33 61	13 00-0273	LF		12" Diameter Preinsulated Type K Copper Pipe With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	384.30	136.24
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	3.60	
<b>33 61</b>	<b>13 00-0274</b>			<b>Type K Copper Carrier Pipe</b> <small>(33 61 13 00-0231)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61	13 00-0275	LF		3/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	58.81	21.73
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	0.52	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 61 13 00-0276	LF	1" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	64.01	23.45
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.58	
33 61 13 00-0277	LF	1-1/4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	69.83	24.91
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.65	
33 61 13 00-0278	LF	1-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	74.31	26.32
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.70	
33 61 13 00-0279	LF	2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	78.32	27.93
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.73	
33 61 13 00-0280	LF	2-1/2" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	91.39	34.54
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.79	
33 61 13 00-0281	LF	3" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	105.96	42.14
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	0.86	
33 61 13 00-0282	LF	4" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	134.34	53.66
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.08	
33 61 13 00-0283	LF	5" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	167.46	65.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.38	
33 61 13 00-0284	LF	6" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	195.47	77.00
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1.60	
33 61 13 00-0285	LF	8" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	255.96	93.04
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2.33	
33 61 13 00-0286	LF	10" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	319.71	110.72
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.07	
33 61 13 00-0287	LF	12" Diameter Preinsulated Type K Copper Pipe With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	396.04	136.24
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3.84	

**33 61 13 00-0288 Preinsulated Copper Fittings (33 61 13 00-0001)****33 61 13 00-0289 Elbows (33 61 13 00-0288)****33 61 13 00-0290 Elbows (33 61 13 00-0289)**

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0291	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	378.74	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.88	
33 61 13 00-0292	EA	1" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	394.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.00	
33 61 13 00-0293	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	455.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.69	
33 61 13 00-0294	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	519.68	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.20	
33 61 13 00-0295	EA	2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	637.41	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.46	
33 61 13 00-0296	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	795.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.72	
33 61 13 00-0297	EA	3" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	926.16	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.75	
33 61 13 00-0298	EA	4" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,080.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.04	
33 61 13 00-0299	EA	5" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,254.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.63	
33 61 13 00-0300	EA	6" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,366.90	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.21	
33 61 13 00-0301	EA	8" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,897.86	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.09	
33 61 13 00-0302	EA	10" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,580.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.41	
33 61 13 00-0303	EA	12" Diameter Preinsulated Type K Copper Elbow With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,247.77	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.30	

**33 61 13 00-0304 Elbows (33 61 13 00-0289)**

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0305	EA	3/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	397.05	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.25	



	MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61 13 00-0306	EA	1"		1" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	413.63	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.37	
33 61 13 00-0307	EA	1-1/4"		1-1/4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	477.05	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.11	
33 61 13 00-0308	EA	1-1/2"		1-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	542.94	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.67	
33 61 13 00-0309	EA	2"		2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	661.64	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.94	
33 61 13 00-0310	EA	2-1/2"		2-1/2" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	820.81	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.22	
33 61 13 00-0311	EA	3"		3" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	955.23	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	8.33	
33 61 13 00-0312	EA	4"		4" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,114.87	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	9.72	
33 61 13 00-0313	EA	5"		5" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,297.97	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	12.50	
33 61 13 00-0314	EA	6"		6" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,416.43	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	14.20	
33 61 13 00-0315	EA	8"		8" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,969.46	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	20.53	
33 61 13 00-0316	EA	10"		10" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,671.61	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	26.24	
33 61 13 00-0317	EA	12"		12" Diameter Preinsulated Type K Copper Elbow With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,368.90	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	34.72	

**33 61 13 00-0318 Elbows** (33 61 13 00-0289)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0319	EA	3/4"		3/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	415.35	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.61	
33 61 13 00-0320	EA	1"		1" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	432.36	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.75	
33 61 13 00-0321	EA	1-1/4"		1-1/4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	498.37	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.54	
33 61 13 00-0322	EA	1-1/2"		1-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	566.19	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.13	
33 61 13 00-0323	EA	2"		2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	685.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.43	
33 61 13 00-0324	EA	2-1/2"		2-1/2" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	846.00	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	7.73	
33 61 13 00-0325	EA	3"		3" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	984.31	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	8.92	
33 61 13 00-0326	EA	4"		4" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,148.79	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	10.40	
33 61 13 00-0327	EA	5"		5" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,341.57	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	13.37	
33 61 13 00-0328	EA	6"		6" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,466.29	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	15.19	
33 61 13 00-0329	EA	8"		8" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,040.86	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	21.96	
33 61 13 00-0330	EA	10"		10" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,762.56	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	28.07	
33 61 13 00-0331	EA	12"		12" Diameter Preinsulated Type K Copper Elbow With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,490.44	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	37.15	

**33 61 13 00-0332 Elbows** (33 61 13 00-0289)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0333	EA	3/4"		3/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	433.65	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	5.98	
33 61 13 00-0334	EA	1"		1" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	451.10	
				<i>For High Density Polyethylene (HDPE) Jacket, Add</i> .....	6.12	



**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
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UNIT COST UNIT COST

33 61 13 00-0335	EA	1-1/4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	519.69	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.96	
33 61 13 00-0336	EA	1-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	589.45	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.60	
33 61 13 00-0337	EA	2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	710.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.91	
33 61 13 00-0338	EA	2-1/2" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	871.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.23	
33 61 13 00-0339	EA	3" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,013.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.50	
33 61 13 00-0340	EA	4" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,182.70	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.08	
33 61 13 00-0341	EA	5" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,385.18	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.24	
33 61 13 00-0342	EA	6" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,515.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.18	
33 61 13 00-0343	EA	8" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,112.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	23.39	
33 61 13 00-0344	EA	10" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,854.09	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	29.90	
33 61 13 00-0345	EA	12" Diameter Preinsulated Type K Copper Elbow With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,611.57	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	39.57	

**33 61 13 00-0346 Tees** (33 61 13 00-0288)**33 61 13 00-0347 Tees** (33 61 13 00-0346)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0348	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	564.38	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.25	
33 61 13 00-0349	EA	1" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	588.40	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.42	
33 61 13 00-0350	EA	1-1/4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	679.11	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	8.44	
33 61 13 00-0351	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	774.61	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.21	
33 61 13 00-0352	EA	2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	950.66	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.59	
33 61 13 00-0353	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,187.58	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.98	
33 61 13 00-0354	EA	3" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,383.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.51	
33 61 13 00-0355	EA	4" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,614.72	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.43	
33 61 13 00-0356	EA	5" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,876.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	17.27	
33 61 13 00-0357	EA	6" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,041.28	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.61	
33 61 13 00-0358	EA	8" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,830.50	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	28.35	
33 61 13 00-0359	EA	10" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,854.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	36.24	
33 61 13 00-0360	EA	12" Diameter Preinsulated Type K Copper Tee With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,847.43	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	47.97	

**33 61 13 00-0361 Tees** (33 61 13 00-0346)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0362	EA	3/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	591.56	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.79	
33 61 13 00-0363	EA	1" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	616.22	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.98	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61 13 00-0364 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	710.77 9.08	
33 61 13 00-0365 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	809.14 9.90	
33 61 13 00-0366 EA 2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	986.64 10.31	
33 61 13 00-0367 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,224.99 10.73	
33 61 13 00-0368 EA 3" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,426.65 12.38	
33 61 13 00-0369 EA 4" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,665.09 14.44	
33 61 13 00-0370 EA 5" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,941.22 18.56	
33 61 13 00-0371 EA 6" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,114.83 21.08	
33 61 13 00-0372 EA 8" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,936.82 30.48	
33 61 13 00-0373 EA 10" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,990.03 38.96	
33 61 13 00-0374 EA 12" Diameter Preinsulated Type K Copper Tee With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,027.31 51.56	
<b>33 61 13 00-0375 Tees</b> <small>(33 61 13 00-0346)</small> Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0376 EA 3/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	618.74 8.34	
33 61 13 00-0377 EA 1" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	644.04 8.53	
33 61 13 00-0378 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	742.43 9.71	
33 61 13 00-0379 EA 1-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	843.68 10.59	
33 61 13 00-0380 EA 2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,022.61 11.03	
33 61 13 00-0381 EA 2-1/2" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,262.41 11.47	
33 61 13 00-0382 EA 3" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,469.82 13.24	
33 61 13 00-0383 EA 4" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,715.45 15.45	
33 61 13 00-0384 EA 5" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,005.97 19.86	
33 61 13 00-0385 EA 6" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,188.90 22.56	
33 61 13 00-0386 EA 8" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,041.79 32.61	
33 61 13 00-0387 EA 10" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4,122.80 41.68	
33 61 13 00-0388 EA 12" Diameter Preinsulated Type K Copper Tee With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5,210.81 55.16	
<b>33 61 13 00-0389 Tees</b> <small>(33 61 13 00-0346)</small> Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.		
33 61 13 00-0390 EA 3/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	645.92 8.88	
33 61 13 00-0391 EA 1" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	671.86 9.09	
33 61 13 00-0392 EA 1-1/4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	774.09 10.34	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

33 61 13 00-0393	EA	1-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	878.21	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.28	
33 61 13 00-0394	EA	2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,058.59	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.75	
33 61 13 00-0395	EA	2-1/2" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,299.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	12.22	
33 61 13 00-0396	EA	3" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,512.99	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	14.10	
33 61 13 00-0397	EA	4" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,765.82	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	16.45	
33 61 13 00-0398	EA	5" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,070.73	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	21.15	
33 61 13 00-0399	EA	6" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,262.45	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.03	
33 61 13 00-0400	EA	8" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,148.12	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	34.73	
33 61 13 00-0401	EA	10" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	4,258.71	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	44.40	
33 61 13 00-0402	EA	12" Diameter Preinsulated Type K Copper Tee With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	5,390.68	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	58.76	

**33 61 13 00-0403 Reducers** (33 61 13 00-0288)**33 61 13 00-0404 Reducers** (33 61 13 00-0403)

Note: With 1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0405	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	323.81	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.05	
33 61 13 00-0406	EA	1" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	337.89	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.15	
33 61 13 00-0407	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	390.27	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.72	
33 61 13 00-0408	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	445.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.15	
33 61 13 00-0409	EA	2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	550.92	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.36	
33 61 13 00-0410	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	702.87	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.58	
33 61 13 00-0411	EA	3" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	810.75	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.43	
33 61 13 00-0412	EA	4" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	940.93	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.51	
33 61 13 00-0413	EA	5" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,088.48	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.65	
33 61 13 00-0414	EA	6" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,184.20	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	10.96	
33 61 13 00-0415	EA	8" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,641.37	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	15.85	
33 61 13 00-0416	EA	10" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,237.36	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	20.26	
33 61 13 00-0417	EA	12" Diameter Preinsulated Type K Copper Reducer With 1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,807.46	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	26.81	

**33 61 13 00-0418 Reducers** (33 61 13 00-0403)

Note: With 1" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61 13 00-0419	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	339.01	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.36	
33 61 13 00-0420	EA	1" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	353.44	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	4.46	
33 61 13 00-0421	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	407.96	
		<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	5.07	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 61	13 00-0422	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	465.22 5.53	
33 61	13 00-0423	EA	2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	571.03 5.76	
33 61	13 00-0424	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	723.79 5.99	
33 61	13 00-0425	EA	3" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	834.88 6.92	
33 61	13 00-0426	EA	4" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	969.08 8.07	
33 61	13 00-0427	EA	5" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,124.67 10.38	
33 61	13 00-0428	EA	6" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,225.31 11.78	
33 61	13 00-0429	EA	8" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,700.80 17.04	
33 61	13 00-0430	EA	10" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,313.32 21.78	
33 61	13 00-0431	EA	12" Diameter Preinsulated Type K Copper Reducer With 1" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,908.00 28.82	

**33 61 13 00-0432 Reducers** (33 61 13 00-0403)

Note: With 1-1/2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0433	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	354.20 4.66	
33 61	13 00-0434	EA	1" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	368.99 4.77	
33 61	13 00-0435	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	425.66 5.43	
33 61	13 00-0436	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	484.52 5.92	
33 61	13 00-0437	EA	2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	591.13 6.17	
33 61	13 00-0438	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	744.70 6.41	
33 61	13 00-0439	EA	3" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	859.01 7.40	
33 61	13 00-0440	EA	4" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	997.23 8.63	
33 61	13 00-0441	EA	5" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,160.87 11.10	
33 61	13 00-0442	EA	6" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,266.70 12.61	
33 61	13 00-0443	EA	8" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	1,759.74 18.22	
33 61	13 00-0444	EA	10" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	2,388.82 23.29	
33 61	13 00-0445	EA	12" Diameter Preinsulated Type K Copper Reducer With 1-1/2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	3,008.85 30.83	

**33 61 13 00-0446 Reducers** (33 61 13 00-0403)

Note: With 2" polyurethane insulation and non-metallic fiberglass reinforced polyester (FRP) casing.

33 61	13 00-0447	EA	3/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	369.39 4.96	
33 61	13 00-0448	EA	1" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	384.54 5.08	
33 61	13 00-0449	EA	1-1/4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	443.35 5.78	
33 61	13 00-0450	EA	1-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket ..... <i>For High Density Polyethylene (HDPE) Jacket, Add</i>	503.82 6.31	

**33 Utilities****33 60 Hydronic and Steam Energy Utilities****33 61 Hydronic Energy Distribution**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
33 61	13 00-0451	EA	2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	611.24	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.57	
33 61	13 00-0452	EA	2-1/2" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	765.61	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	6.83	
33 61	13 00-0453	EA	3" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	883.14	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	7.88	
33 61	13 00-0454	EA	4" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,025.38	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	9.20	
33 61	13 00-0455	EA	5" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,197.06	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	11.82	
33 61	13 00-0456	EA	6" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,307.81	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	13.43	
33 61	13 00-0457	EA	8" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	1,819.17	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	19.41	
33 61	13 00-0458	EA	10" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	2,464.78	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	24.81	
33 61	13 00-0459	EA	12" Diameter Preinsulated Type K Copper Reducer With 2" Polyurethane Foam Insulation And Fiberglass Reinforced Polyester (FRP) Jacket.....	3,109.39	
			<i>For High Density Polyethylene (HDPE) Jacket, Add</i>	32.84	
33 61	13 00-0460		<b>Tempered Water Piping Pre-Insulated</b> <small>(33 61 13 00-0001)</small>		
33 61	13 00-0461		<b>Fiberglass Reinforced Polyester (FRP) Carrier And Casing, 1" Polyurethane Insulation</b> <small>(33 61 13 00-0460)</small>		
33 61	13 00-0462	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	189.86	30.10
33 61	13 00-0463	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	245.87	33.25
33 61	13 00-0464	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	343.64	35.91
33 61	13 00-0465	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	474.69	44.90
33 61	13 00-0466	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Casing With 1" Polyurethane Insulation .....	609.08	55.37
33 61	13 00-0467		<b>Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing, 1" Polyurethane Insulation</b> <small>(33 61 13 00-0460)</small>		
33 61	13 00-0468	LF	4" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	89.55	33.25
33 61	13 00-0469	LF	6" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	108.04	33.25
33 61	13 00-0470	LF	8" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	125.56	33.25
33 61	13 00-0471	LF	10" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	150.16	39.30
33 61	13 00-0472	LF	12" Fiberglass Reinforced Polyester (FRP) Carrier And Polyvinyl Chloride (PVC) Casing With 1" Polyurethane Insulation .....	181.37	49.88
33 61	13 00-0473		<b>Polyvinyl Chloride (PVC) Carrier And Casing, 1" Polyurethane Insulation</b> <small>(33 61 13 00-0460)</small>		
33 61	13 00-0474	LF	4" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	89.55	33.25
33 61	13 00-0475	LF	6" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	108.03	33.25
33 61	13 00-0476	LF	8" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	124.04	33.25
33 61	13 00-0477	LF	10" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	150.15	39.30
33 61	13 00-0478	LF	12" Polyvinyl Chloride (PVC) Carrier And Casing With 1" Polyurethane Insulation .....	181.36	49.88
<b>33 70</b>			<b>Electrical Utilities</b> <small>(33)</small>		
<b>33 71</b>			<b>Electrical Utility Transmission and Distribution</b> <small>(33 70)</small>		
<b>33 71 19</b>			<b>Electrical Underground Ducts, Ductbanks and Manholes</b> <small>(33 71)</small>		
<b>33 71 19 13</b>			<b>Electrical Manholes and Handholes</b> <small>(33 71 19)</small>		
33 71 19 13-0001			<b>Electrical Handholes And Pull Boxes</b> <small>(33 71 19 13)</small>		
33 71 19 13-0002			<b>Electrical Pull Boxes</b> <small>(33 71 19 13-0001)</small>		
			See CSI section 33 05 63 00-0427 for handholes.		
33 71 19 13-0003	EA		24" x 36" x 24", Electric Pull Boxes, Precast Concrete .....	2,656.94	640.92
33 71 19 13-0004	EA		24" x 36" x 36", Electric Pull Boxes, Precast Concrete .....	3,189.00	710.42
33 71 19 13-0005	EA		30" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	3,697.91	772.20
33 71 19 13-0006	EA		36" x 72" x 24", Electric Pull Boxes, Precast Concrete .....	5,782.57	926.64
33 71 19 13-0007	EA		36" x 60" x 36", Electric Pull Boxes, Precast Concrete .....	6,175.50	926.64
33 71 19 13-0008	EA		48" x 48" x 36", Electric Pull Boxes, Precast Concrete .....	6,645.55	965.24
33 71 19 13-0009	EA		48" x 60" x 48", Electric Pull Boxes, Precast Concrete .....	7,648.41	1,081.07
33 71 19 13-0010			<b>Electrical Property Line Boxes</b> <small>(33 71 19 13)</small>		
33 71 19 13-0011	EA		3'-6" x 2'-9" x 2' Deep Property Line Box .....	5,358.23	521.24
33 71 19 13-0012	EA		4'-6" x 3'-6" x 4' Deep Property Line Box .....	6,278.25	540.53



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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33 71 19 13-0013	EA		6' x 4' x 5' Deep Property Line Box .....	6,905.03	656.37
33 71 19 13-0014	EA		11'-6" x 4'-6" x 6' Deep Property Line Box .....	10,562.07	965.24

**33 71 19 13-0015 Manhole Accessories** (33 71 19 13)

33 71 19 13-0016	EA		6" Precast Grade Ring Riser Casting .....	553.13	184.97
33 71 19 13-0017	EA		12" Precast Grade Ring Riser Casting .....	599.08	200.39
33 71 19 13-0018	EA		36" Opening Cast Iron Frame And Cover (NEENAH #R-1640-D) .....	2,606.08	308.29
33 71 19 13-0019	EA		42" Opening Cast Iron Frame And Cover (NEENAH #R-1740-E1) .....	3,397.31	385.36
33 71 19 13-0020	EA		Cast Iron Adjusting Ring (NEENAH #R-1979) .....	1,115.73	205.79
33 71 19 13-0021	EA		Cast Iron Frame And Cover (NEENAH #R-1640-B) .....	1,412.50	231.21

**33 71 19 23 Trenched Electrical Underground Duct and Ductbanks** (33 71 19)

**33 71 19 23-0001 Underground Ductbank** (33 71 19 23)

Note: Installation of single or multiple configuration underground utility raceways assembly to have minimum 3" concrete leveling base and encased in concrete envelope. Based on minimum 100' run, minimum 30" bury depth. Includes installation in trench using the appropriate supports, cleaning to remove any obstructions and installation of nylon pull string. Excludes trenching, concrete, backfilling, grading and seeding. Duct Banks are to be installed according to the appropriate sections of the accompanying specifications. Individual rows to be stacked for larger duct bank configurations. See CSI section 03 30 53 00-0001 for concrete.

**33 71 19 23-0002 Rigid Galvanized Steel Conduit, Galvanized Rigid Conduit (GRC) Or Rigid Galvanized Steel (RGS), Duct Bank** (33 71 19 23-0001)

Note: Includes appropriate spacers and fittings.

33 71 19 23-0003	LF		2 At 2", Rigid Galvanized Conduit Duct Bank .....	40.12	
33 71 19 23-0004	LF		4 At 2", Rigid Galvanized Conduit Duct Bank .....	80.28	
33 71 19 23-0005	LF		2 At 3", Rigid Galvanized Conduit Duct Bank .....	82.29	
33 71 19 23-0006	LF		4 At 3", Rigid Galvanized Conduit Duct Bank .....	165.02	
33 71 19 23-0007	LF		2 At 4", Rigid Galvanized Conduit Duct Bank .....	121.04	
33 71 19 23-0008	LF		4 At 4", Rigid Galvanized Conduit Duct Bank .....	243.48	
33 71 19 23-0009	LF		6 At 4", Rigid Galvanized Conduit Duct Bank .....	366.28	
33 71 19 23-0010	LF		2 At 5", Rigid Galvanized Conduit Duct Bank .....	224.48	
33 71 19 23-0011	LF		4 At 5", Rigid Galvanized Conduit Duct Bank .....	447.55	
33 71 19 23-0012	LF		6 At 5", Rigid Galvanized Conduit Duct Bank .....	690.00	
33 71 19 23-0013	LF		2 At 6", Rigid Galvanized Conduit Duct Bank .....	319.30	
33 71 19 23-0014	LF		4 At 6", Rigid Galvanized Conduit Duct Bank .....	640.89	
33 71 19 23-0015	LF		6 At 6", Rigid Galvanized Conduit Duct Bank .....	952.83	

**33 71 19 23-0016 Polyvinyl Chloride (PVC), Type EB-20 Duct Bank System** (33 71 19 23-0001)

Note: Includes appropriate spacers and fittings.

33 71 19 23-0017	LF		1 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	10.74	
33 71 19 23-0018	LF		2 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	23.43	
33 71 19 23-0019	LF		4 At 2", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	45.13	
33 71 19 23-0020	LF		1 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	14.28	
33 71 19 23-0021	LF		2 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	28.50	
33 71 19 23-0022	LF		4 At 3", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	57.80	
33 71 19 23-0023	LF		1 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	19.36	
33 71 19 23-0024	LF		2 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	38.75	
33 71 19 23-0025	LF		4 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	77.62	
33 71 19 23-0026	LF		6 At 4", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	116.37	
33 71 19 23-0027	LF		1 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	24.92	
33 71 19 23-0028	LF		2 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	49.78	
33 71 19 23-0029	LF		4 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	96.70	
33 71 19 23-0030	LF		6 At 5", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	138.01	
33 71 19 23-0031	LF		1 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	43.21	
33 71 19 23-0032	LF		2 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	67.87	
33 71 19 23-0033	LF		4 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	136.02	
33 71 19 23-0034	LF		6 At 6", Duplex Polyvinyl Chloride (PVC), Type EB Duct Bank .....	218.09	

**33 71 19 23-0035 Polyvinyl Chloride (PVC), Type DB-60 Duct Bank System** (33 71 19 23-0001)

Note: Includes appropriate spacers and fittings.

33 71 19 23-0036	LF		1 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	11.95	
33 71 19 23-0037	LF		2 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	25.93	
33 71 19 23-0038	LF		4 At 2", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	49.83	
33 71 19 23-0039	LF		1 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	14.92	
33 71 19 23-0040	LF		2 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	29.81	
33 71 19 23-0041	LF		4 At 3", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	59.37	
33 71 19 23-0042	LF		1 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	19.99	
33 71 19 23-0043	LF		2 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	40.01	
33 71 19 23-0044	LF		4 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	80.14	
33 71 19 23-0045	LF		6 At 4", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	120.16	
33 71 19 23-0046	LF		1 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	25.87	
33 71 19 23-0047	LF		2 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	51.68	
33 71 19 23-0048	LF		4 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	100.51	
33 71 19 23-0049	LF		6 At 5", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	143.73	
33 71 19 23-0050	LF		1 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	44.53	
33 71 19 23-0051	LF		2 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	70.61	
33 71 19 23-0052	LF		4 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	141.49	
33 71 19 23-0053	LF		6 At 6", Duplex Polyvinyl Chloride (PVC), Type DB Duct Bank .....	226.30	

**33 71 19 23-0054 Male Or Female Adapters** (33 71 19 23-0001)

**33 Utilities****33 70 Electrical Utilities****33 71 Electrical Utility Transmission and Distribution**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
33 71 19 23-0055	EA	2" Adapter.....	55.89	
33 71 19 23-0056	EA	3" Adapter.....	84.33	
33 71 19 23-0057	EA	4" Adapter.....	110.32	
33 71 19 23-0058	EA	5" Adapter.....	180.48	
33 71 19 23-0059	EA	6" Adapter.....	220.58	
<b>33 71 19 23-0060</b>		<b>Underground Electrical Concrete Markers</b> <small>(33 71 19 23)</small>		
33 71 19 23-0061	EA	36" x 6" x 6", Underground Electric Concrete Marker .....	451.08	

**END OF SECTION 33**

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 34 Transportation

### 34 40 Transportation Signaling and Control Equipment <sup>(34)</sup>

#### 34 41 Roadway Signaling and Control Equipment <sup>(34 40)</sup>

##### 34 41 13 Traffic Signals <sup>(34 41)</sup>

##### 34 41 13 00-0001 School Zone Flasher Beacons <sup>(34 41 13)</sup>

34 41 13 00-0002	EA	One 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,249.48	249.46
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.				
34 41 13 00-0003	EA	One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	6,293.68	249.46
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 30 Watt tilted solar panel, solar regulator, and solid state flasher.				
34 41 13 00-0004	EA	Two 8" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	7,044.18	249.46
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.				
34 41 13 00-0005	EA	Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly.....	7,185.64	249.46
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.				
34 41 13 00-0006	EA	10" Digit Radar Display, One 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ...	13,159.92	249.46
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 80 Watt tilted solar panel, solar regulator, and solid state flasher.				
34 41 13 00-0007	EA	10" Digit Radar Display, Two 12" Amber LED Beacon Head, Solar Panel School Zone Flasher Beacons Assembly ...	13,714.27	249.46
Note: Includes 365 day timer, aluminum control/battery enclosure, 2 AGM cell batteries, brackets, 40 Watt tilted solar panel, solar regulator, and solid state flasher.				

### 34 70 Transportation Construction and Equipment <sup>(34)</sup>

#### 34 71 Roadway Construction <sup>(34 70)</sup>

##### 34 71 13 Vehicle Barriers <sup>(34 71)</sup>

##### 34 71 13 13 Vehicle Median Barriers <sup>(34 71 13)</sup>

##### 34 71 13 13-0001 Cast In Place Concrete Barriers <sup>(34 71 13 13)</sup>

Note: Excludes excavation and backfill. Includes concrete, formwork, steel reinforcement.

34 71 13 13-0002	LF	24" Base Width (6" Top Width) x 41" Height, Type A Cast in Place Concrete Barrier .....	161.26	
34 71 13 13-0003	LF	27" Base Width (9" Top Width) x 41" Height, Type B Cast in Place Concrete Barrier .....	187.96	
34 71 13 13-0004	LF	30" Base Width (12" Top Width) x 41" Height, Type C Cast in Place Concrete Barrier .....	187.96	
34 71 13 13-0005	LF	15" Base Width (6" Top Width) x 41" Height, Half Section Cast in Place Concrete Barrier .....	147.31	
34 71 13 13-0006	LF	Single Slope Cast in Place Concrete Barrier .....	196.93	

##### 34 71 13 13-0007 Precast Concrete Barriers <sup>(34 71 13 13)</sup>

Note: Excludes excavation and Backfill. Product as manufactured by Binghamton Precast and Supply.

34 71 13 13-0008	LF	24" Base Width (6" Top Width) x 41" Height, Type A Precast Concrete Barrier .....	157.48	
For Up To 5, Add			58.75	
34 71 13 13-0009	LF	27" Base Width (9" Top Width) x 41" Height, Type B Precast Concrete Barrier .....	181.75	
For Up To 5, Add			70.89	
34 71 13 13-0010	LF	30" Base Width (12" Top Width) x 41" Height, Type C Precast Concrete Barrier .....	197.11	
For Up To 5, Add			78.57	
34 71 13 13-0011	LF	15" Base Width (6" Top Width) x 41" Height, Pier Protection Half Section Precast Concrete Barrier .....	149.80	
For Up To 5, Add			54.91	
For Up To 20, Add			8.63	
34 71 13 13-0012	LF	8" Top, Single Slope Precast Concrete Barrier .....	161.62	
For Up To 5, Add			60.82	
34 71 13 13-0013	LF	12" Top, Single Slope Precast Concrete Barrier .....	189.89	
For Up To 5, Add			74.96	
34 71 13 13-0014	LF	Single Slope Half Section Precast Concrete Barrier .....	171.46	
For Up To 5, Add			65.74	
For Up To 20, Add			9.92	
34 71 13 13-0015	LF	Transition To Box Beam Guide Rail, Single Slope Half Section Precast Concrete Barrier .....	187.74	
For Up To 5, Add			73.88	

##### 34 71 13 13-0016 Glare Screen <sup>(34 71 13 13)</sup>

Note: Includes fasteners to mount on median barrier.

34 71 13 13-0017	LF	Glare Screen.....	245.18	9.38
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##### 34 71 13 16 Vehicle Crash Barriers <sup>(34 71 13)</sup>

##### 34 71 13 16-0001 Impact Barrier, Non-Redirective <sup>(34 71 13 16)</sup>

##### 34 71 13 16-0002 Sand Barrel Impact Attenuator <sup>(34 71 13 16-0001)</sup>

Note: Includes containers, inserts, and lid. Excludes sand.

34 71 13 16-0003	EA	200, 400 Or 700 LB Sand Barrel.....	651.81	71.00
Note: Includes containers, inserts, and lid.				

##### 34 71 13 26 Vehicle Guide Rails <sup>(34 71 13)</sup>

**34 Transportation****34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
34 71 13 26-0001		<b>Mobilize Guide Rail Crew</b> <small>(34 71 13 26)</small> Note: Excludes equipment mobilization.		
34 71 13 26-0002	EA	Mobilize Guide Rail Crew.....	1,782.25	
		Note: Excludes equipment mobilization.		
34 71 13 26-0003		<b>Corrugated Beam Guide Rail</b> <small>(34 71 13 26)</small>		
34 71 13 26-0004		<b>Corrugated Beam Guide Railing</b> <small>(34 71 13 26-0003)</small>		
34 71 13 26-0005		<b>Corrugated Beam Guide Railing, Straight Sections</b> <small>(34 71 13 26-0004)</small> Note: Add additional length for back-up sections.		
34 71 13 26-0006	LF	Corrugated Beam Guide Railing.....	34.86	3.18
34 71 13 26-0007	LF	Corrugated Beam Guide Railing (Rustic).....	37.77	3.18
34 71 13 26-0008		<b>Corrugated Beam Guide Railing, Shop Curved</b> <small>(34 71 13 26-0004)</small> Note: Add additional length for back-up sections.		
34 71 13 26-0009	LF	Shop Curved Corrugated Beam Guide Railing.....	46.27	3.18
34 71 13 26-0010	LF	Shop Curved Corrugated Beam Guide Railing (Rustic).....	50.29	3.18
34 71 13 26-0011	LF	Shop Curved Corrugated Beam Guide Railing End.....	122.32	3.18
		Note: Treatment for mall barriers driveways, walkways, special end, etc.		
34 71 13 26-0012	LF	Shop Curved Corrugated Beam Guide Railing (Rustic) End.....	133.69	3.18
		Note: Treatment for mall barriers shop curved corrugated beam guide railing end etc.		
34 71 13 26-0013		<b>Corrugated Beam Guide Railing, Manufactured End Sections</b> <small>(34 71 13 26-0003)</small>		
34 71 13 26-0014	EA	Corrugated Beam Guide Railing End Section At Anchor Unit.....	250.07	42.01
34 71 13 26-0015	EA	Corrugated Beam Guide Railing End Section (Rustic) At Anchor Unit.....	265.61	42.01
34 71 13 26-0016	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section.....	343.28	42.01
34 71 13 26-0017	EA	Corrugated Beam Guide Railing Flared Or 180 Degree End Section (Rustic).....	358.81	42.01
34 71 13 26-0018	EA	Corrugated Beam Guide Railing 225 Degree End Section.....	343.28	42.01
34 71 13 26-0019	EA	Corrugated Beam Guide Railing 225 Degree End Section (Rustic).....	358.81	42.01
34 71 13 26-0020		<b>Corrugated Beam Guide Rail End Terminal Systems</b> <small>(34 71 13 26-0003)</small> Note: Excludes post. As manufactured and distributed by R. G. Steel Corp.		
34 71 13 26-0021	EA	Regent Flared End Terminal Head With Bracket.....	9,278.74	259.60
34 71 13 26-0022	EA	Fleat Flared End Terminal Head With Bracket.....	7,725.24	259.60
34 71 13 26-0023	EA	SKT 350 Tangent End Terminal Head With Bracket.....	9,278.74	259.60
34 71 13 26-0024	EA	12'-6" Corrugated Beam Pre-drilled #1 Panel.....	1,328.29	122.38
34 71 13 26-0025		<b>Corrugated Beam Guide Rail Posts</b> <small>(34 71 13 26-0003)</small> Note: Includes mounting hardware.		
34 71 13 26-0026	EA	Standard Post For Corrugated Beam Guide Rail.....	274.78	19.67
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	5.24	
34 71 13 26-0027	EA	Standard Post For (Rustic) Corrugated Beam Guide Rail.....	290.32	19.67
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	5.24	
34 71 13 26-0028	EA	Extra Long Post For Corrugated Beam Guide Rail.....	305.85	19.67
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	5.24	
34 71 13 26-0029	EA	Extra Long Post (Rustic) for Corrugated Beam Guide Rail.....	321.38	19.67
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	5.24	
34 71 13 26-0030	EA	6B8-1/2" or Mall Barrier Post for Corrugated Beam Guide Rail.....	274.78	19.67
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	5.24	
34 71 13 26-0031	EA	Post Struts for Corrugated Beam Guide Rail Mall Barrier Post.....	399.06	19.67
		<i>For Installation In Rock, Add</i>	5.24	
34 71 13 26-0032		<b>Heavy Post Blocked Out Corrugated Beam Guide Rail Posts</b> <small>(34 71 13 26-0003)</small> Note: Includes mounting hardware. Excludes triangular mounting brackets.		
34 71 13 26-0033	EA	Standard Post For heavy post blocked out corrugated beam guide rail.....	274.78	19.67
34 71 13 26-0034	EA	Standard Rustic Post For Heavy Post Blocked Out Corrugated Beam Guide.....	290.32	19.67
34 71 13 26-0035	EA	Extra Long Post For heavy post blocked out corrugated beam guide rail.....	305.85	19.67
34 71 13 26-0036	EA	Extra Long Post (Rustic) For heavy post blocked out corrugated beam guide rail.....	321.38	19.67
		Note: For heavy post blocked out corrugated beam guide (rustic)		
34 71 13 26-0037	EA	Type A Post 1630mm Post.....	267.01	19.67
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0038	EA	Type A Post 1630mm Post (Rustic).....	282.55	19.67
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0039	EA	Type B Post 1460mm.....	251.48	19.67
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0040	EA	Type B Post 1460mm (Rustic).....	267.01	19.67
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0041	EA	Type C Post 1290mm.....	235.94	19.67
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0042	EA	Type C Post 1290mm (Rustic).....	251.48	19.67
		Note: For heavy post blocked out corrugated beam guide rail		
34 71 13 26-0043	EA	Breakaway Wood Or Steel Post In Steel Foundation Tube.....	1,054.02	19.67
34 71 13 26-0044	EA	Wood, Metal, Plastic Or Composite Offset Block Or Beam.....	103.90	19.67
		Note: For heavy post blocked out corrugated beam guide rail.		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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34 71 13 26-0045			<b>Corrugated Beam Guide Rail Accessories</b> (34 71 13 26-0003)		
34 71 13 26-0046	EA		Triangular Mounting Brackets (Galvanized Or Rustic) For All Post Types A, B And C.....	219.00	47.74
34 71 13 26-0047			<b>Corrugated Beam Guide Rail Repair for Existing Guide Rail</b> (34 71 13 26-0003)		
			Note: Includes associated hardware.		
34 71 13 26-0048	LF		Removal And Storage Of Corrugated Beam Guide Railing And Post.....	18.65	
34 71 13 26-0049	EA		Install Stored Post For Corrugated Beam Guide Rail .....	63.65	
34 71 13 26-0050	LF		Install Stored Corrugated Beam Guide Railing And Post.....	10.82	
34 71 13 26-0051			<b>Corrugated Thrie Beam Guide Railing</b> (34 71 13 26-0003)		
34 71 13 26-0052			<b>Corrugated Thrie Beam Guide Railing. Straight Sections</b> (34 71 13 26-0051)		
			Note: Add additional length for back-up sections.		
34 71 13 26-0053	LF		Corrugated Thrie Beam Guide Railing.....	84.66	4.01
34 71 13 26-0054	LF		Corrugated Thrie Beam Guide Railing (Rustic).....	89.40	4.01
34 71 13 26-0055			<b>Corrugated Thrie Beam Guide Railing. Shop Curved</b> (34 71 13 26-0051)		
			Note: Add additional length for back-up sections.		
34 71 13 26-0056	LF		Shop Curved Corrugated Thrie Beam Guide Railing .....	103.60	4.01
34 71 13 26-0057	LF		Shop Curved Corrugated Thrie Beam Guide Railing (Rustic).....	108.34	4.01
34 71 13 26-0058			<b>Corrugated Thrie Beam Guide Rail Posts</b> (34 71 13 26-0051)		
			Note: Includes hardware for mounting.		
34 71 13 26-0059	EA		Standard Post For Corrugated Thrie Beam Guide Rail.....	347.12	4.01
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0060	EA		Standard Post (Rustic) For Corrugated Thrie Beam Guide Rail .....	362.65	4.01
			<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
			<i>For 32" Soil Plate, Add</i>	7.00	
34 71 13 26-0061			<b>6" x 6" Box Beam Guide Rail</b> (34 71 13 26)		
34 71 13 26-0062			<b>Box Beam Guide Rail, 6" x 6"</b> (34 71 13 26-0061)		
34 71 13 26-0063			<b>Straight Sections, Box Beam Guide Rail</b> (34 71 13 26-0062)		
34 71 13 26-0064	LF		Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	102.42	4.01
			Note: Excludes splices.		
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0065	LF		Box Beam Guide Railing 6" x 6" x 3/16" (Rustic).....	116.62	4.01
			Note: Excludes splices.		
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0066	LF		Box Beam Guide Railing 8" x 6" x 3/16" Galvanized.....	121.86	4.01
			Note: Excludes splices		
34 71 13 26-0067			<b>Shop Curved, Box Beam Guide Rail</b> (34 71 13 26-0062)		
34 71 13 26-0068	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" Galvanized.....	156.87	4.01
			Note: Excludes splices.		
			<i>For Shop Curved At &lt;20' Radius, Add</i>	2.44	
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0069	LF		Shop Curved Box Beam Guide Railing 6" x 6" x 3/16" (Rustic) .....	171.08	4.01
			Note: Excludes splices.		
			<i>For Shop Curved At &lt;20' Radius, Add</i>	2.44	
			<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0070	LF		Shop Curved Box Beam Guide Railing 8" x 6" x 3/16" Galvanized .....	187.11	4.01
			Note: Excludes splices.		
34 71 13 26-0071			<b>Box Beam Guide Rail End Treatment Sections</b> (34 71 13 26-0061)		
			Note: Includes rail, end cover plate and hardware only. Excludes posts and splice.		
34 71 13 26-0072	EA		Box Beam End Piece Guide Railing Section .....	1,617.15	47.74
			Note: Galvanized excludes splices.		
34 71 13 26-0073	EA		Box Beam End Piece Guide Railing Section (Rustic).....	1,788.03	47.74
			Note: Excludes splices.		
34 71 13 26-0074	EA		Box Beam Guide Railing End Treatment Section At Driveway, Galvanized .....	1,523.94	47.74
			Note: Excludes splices.		
34 71 13 26-0075	EA		Box Beam Guide Railing End Treatment Section At Driveway, (Rustic).....	1,586.08	47.74
			Note: Excludes splices.		
34 71 13 26-0076	EA		Type III, Box Beam Guiderail End Section Assembly .....	45,814.49	1,273.03
			Note: Includes all components for the first 14'. Includes energy absorbing terminal, bearing plate, steel breakaway post upper and lower assembly, interior sleeve, box beam, post breaker, cable assembly, end tube rail, end tube tie plate, post 1 and post 2.		
34 71 13 26-0077			<b>Splices For Box Beam Guide Rail</b> (34 71 13 26-0061)		
34 71 13 26-0078	EA		Splice For Box Beam Guide Rail .....	374.75	70.87
34 71 13 26-0079	EA		Splice For Box Beam Guide Rail (Rustic) .....	483.50	70.87



**34 Transportation****34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0080		<b>Box Beam Guide Rail Posts</b> (34 71 13 26-0081) Note: Includes hardware for box beam mounting.		
34 71 13 26-0081	EA	Standard Post For Box Beam Guide Rail.....	335.96	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0082	EA	Standard Post (Rustic) for Box Beam Guide Railing.....	351.50	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0083	EA	Extra Long Post For Box Beam Guide Rail.....	367.03	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0084	EA	Extra Long Post (Rustic) For Box Beam Guide Rail.....	382.56	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0085	EA	Type I End Assembly Post.....	320.42	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0086	EA	Type I End Assembly Post (Rustic).....	335.96	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0087	EA	Type II End Assembly Post.....	304.89	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0088	EA	Type II End Assembly Post (Rustic).....	320.42	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0089		<b>Box Beam Guide Rail Accessories</b> (34 71 13 26-0091)		
34 71 13 26-0090	EA	Box Beam Guide Rail End Cover Plate.....	205.52	14.32
34 71 13 26-0091	EA	Box Beam Guide Rail End Cover Plate (Rustic).....	221.06	14.32
34 71 13 26-0092		<b>Box Beam Guide Railing Repair, And Resetting</b> (34 71 13 26-0091) Note: For existing guide rail.		
34 71 13 26-0093	LF	Removal And Storage Of Box Beam Guide Rail And Post.....	6.28	
34 71 13 26-0094	LF	Reset Box Beam Guide Rail.....	18.35	
34 71 13 26-0095		<b>6" x 8" Box Beam Median Barrier</b> (34 71 13 26)		
34 71 13 26-0096		<b>Box Beam Median Barrier, 6" x 8"</b> (34 71 13 26-0095)		
34 71 13 26-0097		<b>Straight Sections, Box Beam Median Barrier</b> (34 71 13 26-0096)		
34 71 13 26-0098	LF	Box Beam Median Barrier Galvanized Excludes Splices.....	168.25	14.32
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0099	LF	Box Beam Median Barrier (Rustic) Excludes Splices.....	182.46	14.32
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0100		<b>Shop Curved, Box Beam Median Barrier</b> (34 71 13 26-0096)		
34 71 13 26-0101	LF	Shop Curved Box Beam Median Barrier Galvanized.....	205.59	14.32
		Note: Excludes splices.		
		<i>For Shop Curved At &lt;20' Radius, Add</i>	2.44	
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0102	LF	Shop Curved Box Beam Median Barrier Rustic.....	252.21	14.32
		Note: Excludes splices.		
		<i>For Shop Curved At &lt;20' Radius, Add</i>	2.44	
		<i>For Flush Mounting Directly To Structure, Add</i>	1.83	
34 71 13 26-0103		<b>Box Beam Median Barrier End Treatment Sections</b> (34 71 13 26-0095) Note: Includes rail, end cover plate and hardware. Excludes posts.		
34 71 13 26-0104	EA	Box Beam Median Barrier Type A End Treatment Section, Galvanized.....	5,330.01	47.74
		Note: Excludes splices and post.		
34 71 13 26-0105	EA	Box Beam Median Barrier Type A End Treatment Section (Rustic).....	5,454.29	47.74
		Note: Excludes splices and post.		
34 71 13 26-0106	EA	Box Beam Median Barrier Type B End Treatment Section, Galvanized.....	5,330.01	47.74
		Note: Excludes splices and post.		
34 71 13 26-0107	EA	Box Beam Median Barrier Type B End Treatment Section (Rustic).....	5,454.29	47.74
		Note: Excludes splices and post.		
34 71 13 26-0108		<b>Splices For Box Beam Median Barrier</b> (34 71 13 26-0095)		
34 71 13 26-0109	EA	Splice for Box Beam Median Barrier.....	392.69	38.19
34 71 13 26-0110	EA	Splice for Box Beam Median Barrier (Rustic).....	625.72	38.19
34 71 13 26-0111		<b>Box Beam Median Barrier Posts Driven With Soil Plate</b> (34 71 13 26-0095) Note: Includes all associated hardware.		
34 71 13 26-0112	EA	Standard Post for Box Beam Median Barrier.....	335.96	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	
34 71 13 26-0113	EA	Standard Post (Rustic) for Box Beam Median Barrier.....	351.50	65.55
		<i>For Installation Without Soil Plate, Deduct</i>	-5.00	
		<i>For Installation In Rock, Add</i>	17.48	

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0114 EA Extra Long Post for Box Beam Median Barrier ..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	367.03 -5.00 17.48	65.55
34 71 13 26-0115 EA Extra Long Post (Rustic) for Box Beam Median Barrier ..... <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	382.56 -5.00 17.48	65.55
34 71 13 26-0116 EA Type B End Treatment or Rub Back Anchor Post for Box Beam ..... Note: For median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	304.89 -5.00 17.48	65.55
34 71 13 26-0117 EA Type B End Treatment or Rub Back Anchor Post (Rustic) ..... Note: For box beam median barrier. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	304.89 -5.00 17.48	65.55
34 71 13 26-0118 EA Type I End Assembly Post for Box Beam Median Barrier to Concrete ..... Note: For median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	367.03 -5.00 17.48	65.55
34 71 13 26-0119 EA Type I End Assembly Post (Rustic) for Box Beam Median Barrier ..... Note: For Concrete median barrier transition. <i>For Installation Without Soil Plate, Deduct</i> <i>For Installation In Rock, Add</i>	382.56 -5.00 17.48	65.55
<b>34 71 13 26-0120 Box Beam Median Barrier Accessories (34 71 13 26-0095)</b>		
34 71 13 26-0121 EA Box Beam Median Barrier End Cover Plate.....	245.11	33.61
34 71 13 26-0122 EA Box Beam Median Barrier End Cover Plate (Rustic) .....	260.64	33.61
<b>34 71 13 26-0123 Box Beam Median Barrier Repair, And Resetting (34 71 13 26-0095)</b>		
Note: For existing guide rail.		
34 71 13 26-0124 LF Removal And Storage Of Box Beam Median Barrier and Posts .....	6.50	
34 71 13 26-0125 LF Reset Box Beam Median Barrier .....	19.22	
<b>34 71 13 26-0126 Universal Guide Rail Items (34 71 13 26)</b>		
<b>34 71 13 26-0127 Guide Rail Concrete Anchor Units For All Types Of Guide Rail (34 71 13 26-0126)</b>		
Note: For cast in place or precast. Includes excavation, formwork, concrete, reinforcement, anchor rods and/or imbedded plate. Excludes anchor angle. For anchor angles and other terminal connections, use accessories section for respective guide rail type.		
34 71 13 26-0128 CY Guide Rail Concrete Anchor Unit..... <i>For Each Additional Set Of Anchor Rods, Add</i>	1,034.42 38.00	
34 71 13 26-0129 EA Reset Existing Anchorage Unit for All Types of Guide Rail..... Note: Includes excavation and backfill.	730.01	
34 71 13 26-0130 EA Removal Of Guide Rail Concrete Anchor Unit.....	723.21	
<b>34 71 13 26-0131 Guide Rail Repair For All Types Of Existing Guide Rail (34 71 13 26-0126)</b>		
Note: Includes associated hardware.		
34 71 13 26-0132 EA Straighten And Reset Driven Post For Guide Rail .....	87.40	
34 71 13 26-0133 EA Straighten And Reset Post Mounted On Concrete For Guide Rail .....	109.77	
Note: With base plate for guide rail. Includes new anchor bolts.		
<b>34 71 13 26-0134 Additional Wood and Steel Posts (34 71 13 26-0126)</b>		
34 71 13 26-0135 LF 4" x 6" Wood Post..... <i>For Installation In Rock, Add</i>	102.97 5.84	21.89
34 71 13 26-0136 LF 6" x 8" Wood Post..... <i>For Installation In Rock, Add</i>	126.27 5.84	21.89
34 71 13 26-0137 LF 6" x 7/8" Galvanized Steel Post..... <i>For Installation In Rock, Add</i>	73.20 5.84	21.89
34 71 13 26-0138 EA Base Plate With Anchor Bolts For Mounting Post On Concrete .....	755.11	21.89
<b>34 71 13 26-0139 Accessories For All Types of Guide Rail (34 71 13 26-0126)</b>		
34 71 13 26-0140 EA Reflector For Guard Rail.....	98.56	
<b>34 71 13 26-0141 Guide Rail Transitions (34 71 13 26)</b>		
<b>34 71 13 26-0142 Transition Box Beam Guide Rail To Corrugated Beam (34 71 13 26-0141)</b>		
Note: Use cable guide rail section for cable, anchor angle and cable end assembly.		
34 71 13 26-0143 EA Box Beam To Corrugated Beam Rail Bolted Section.....	1,357.30	
34 71 13 26-0144 EA Box Beam To Corrugated Beam Rail Bolted Plate .....	735.90	
Note: For making cable connections.		
<b>34 71 13 26-0145 Transition Box Beam Median Barrier To Corrugated Beam Median (34 71 13 26-0141)</b>		
Note: Use cable guide rail section for anchor angle and cable end assembly.		
34 71 13 26-0146 EA Box Beam Median Barrier To Corrugated Beam Bolted Section .....	1,388.37	
34 71 13 26-0147 EA Box Beam Median Barrier To Corrugated Beam Harness Plate .....	735.90	
Note: For making cable connections.		
<b>34 71 13 26-0148 Transition Box Beam Guide Rail To Cable Guide Rail (34 71 13 26-0141)</b>		
Note: Use cable guide rail section for cable, anchor angle and end connections at anchor unit.		

**34 Transportation****34 70 Transportation Construction and Equipment****34 71 Roadway Construction**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
34 71 13 26-0149	EA	Box Beam to Cable Guide Rail U-bolt And Plate .....	197.87		25.46
<b>34 71 13 26-0150</b>		<b>Transition Box Beam Median Barrier To Concrete Median Barrier</b> (34 71 13 26-0141)			
Note: For end treatment sections for rub rail turnback, use box beam guide rail end treatments.					
34 71 13 26-0151	EA	Box Beam Median Barrier To Concrete Barrier End Connection .....	1,978.70		
<b>34 71 13 26-0152</b>		<b>Transition Thrie Beam To Concrete Median Barrier</b> (34 71 13 26-0141)			
34 71 13 26-0153	EA	Thrie Beam Terminal Connector At Concrete Median Barrier .....	1,201.95		
34 71 13 26-0154	EA	Thrie Beam Transition Section To Corrugated Beam Guide Rail .....	1,590.32		
<b>34 71 13 26-0155</b>		<b>Cable Guide Rail</b> (34 71 13 26)			
<b>34 71 13 26-0156</b>		<b>Cable Guide Rail</b> (34 71 13 26-0155)			
34 71 13 26-0157	LF	Cable (Each Cable) .....	17.83		3.44
Note: Includes tensioning. Excludes splices.					
34 71 13 26-0158	EA	Cable Splice With Wedges .....	497.87		23.87
<b>34 71 13 26-0159</b>		<b>Cable Guide Rail Posts</b> (34 71 13 26-0155)			
Note: Includes hardware for cable mounting.					
34 71 13 26-0160	EA	Standard Post for Cable Guide Rail .....	320.42		65.55
For Installation Without Soil Plate, Deduct			-5.00		
For Installation In Rock, Add			17.48		
34 71 13 26-0161	EA	Standard Post (Rustic) for Cable Guide Rail .....	335.96		65.55
For Installation Without Soil Plate, Deduct			-5.00		
For Installation In Rock, Add			17.48		
34 71 13 26-0162	EA	Extra Long Post for Cable Guide Rail .....	335.96		65.55
For Installation Without Soil Plate, Deduct			-5.00		
For Installation In Rock, Add			17.48		
34 71 13 26-0163	EA	Extra Long Post (Rustic) for Cable Guide Rail .....	351.50		65.55
For Installation Without Soil Plate, Deduct			-5.00		
For Installation In Rock, Add			17.48		
34 71 13 26-0164	EA	Slip Impact Post Top for Anchor Unit .....	221.38		26.22
34 71 13 26-0165	EA	Slip Impact Post Base and Keeper Plate .....	609.76		26.22
Note: For anchor unit.					
<b>34 71 13 26-0166</b>		<b>Cable Guide Rail Accessories For Breakaway Anchor Angle Systems</b> (34 71 13 26-0155)			
34 71 13 26-0167	EA	Turnbuckle Cable End Assembly For Use With Breakaway Anchors .....	953.39		318.89
34 71 13 26-0168	EA	Turnbuckle Cable End Assembly .....	331.96		15.94
34 71 13 26-0169	EA	Spring Cable End Assembly (Compensating Device) For Use With Breakaway Anchors .....	1,098.01		7.92
34 71 13 26-0170	EA	Spring Cable End Assembly (Compensating Device) Without Turnbuckle .....	1,129.08		7.92
34 71 13 26-0171	EA	Breakaway Anchor Angle .....	425.17		15.94
34 71 13 26-0172	EA	Standard End Post Cap Assembly .....	196.98		7.92
34 71 13 26-0173	EA	Driveway End Post Cap Assembly .....	165.91		7.92
34 71 13 26-0174	EA	End Post Ground Support Plates .....	88.24		7.92
34 71 13 26-0175	EA	11" Stud Bolt, Cable Guide Rail .....	76.58		7.92
34 71 13 26-0176	EA	18" Stud Bolt, Cable Guide Rail .....	92.12		7.92
34 71 13 26-0177	EA	25" Stud Bolt, Cable Guide Rail .....	107.65		7.92
34 71 13 26-0178	EA	1-1/4" Diameter Turnbuckle, Cable Guide Rail .....	953.36		15.94
34 71 13 26-0179	EA	1-1/2" Diameter Turnbuckle, Cable Guide Rail .....	1,015.50		15.94
34 71 13 26-0180	EA	5/8" Diameter Turnbuckle With 12" Take-up And Shackle Ends, Cable Guide Rail .....	673.73		15.94
34 71 13 26-0181	EA	5/8" Eye Bolt 18" Long, Cable Guide Rail .....	414.47		7.92
34 71 13 26-0182	EA	3/4" Eye Bolt 8'-6" Long, Cable Guide Rail .....	425.17		15.94
34 71 13 26-0183	EA	1-5/8" Anchor Rod 10' Long With Plate, Cable Guide Rail .....	451.26		23.87
<b>34 71 13 26-0184</b>		<b>Cable Guide Rail Accessories For Slip Impact Post Systems</b> (34 71 13 26-0155)			
34 71 13 26-0185	EA	Turnbuckle Cable End Assembly .....	759.33		21.89
Note: For use with slip impact post.					
34 71 13 26-0186	EA	Spring Cable End Assembly (Compensating Device) .....	1,505.01		21.89
Note: For use with slip impact post.					
34 71 13 26-0187	EA	Anchor Angle For Slip Impact Post System .....	433.10		21.89
34 71 13 26-0188	EA	Cable End Assembly Rod .....	355.43		21.89
Note: Includes cable end, threaded rod and keeper to anchor angle.					
<b>34 71 13 26-0189</b>		<b>Cable Guide Rail Repair For Existing Guide Rail</b> (34 71 13 26-0155)			
Note: Includes associated hardware.					
34 71 13 26-0190	LF	Retention Existing Cable (Each Cable) .....	2.13		
34 71 13 26-0191	LF	Removal And Storage Of Cable Guide Railing .....	12.82		
34 71 13 26-0192	EA	Install Stored Post For Cable Guide Railing .....	87.40		
34 71 13 26-0193	LF	Install Stored Cable, (Each Cable) .....	5.67		
Note: Includes retensioning. Excludes splices.					
<b>34 71 13 26-0194</b>		<b>Timber Guide Rails</b> (34 71 13 26)			
Note: Includes drilling and fasteners. Excludes excavation, auguring and concrete.					
<b>34 71 13 26-0195</b>		<b>Timber Guide Rail Posts</b> (34 71 13 26-0194)			
34 71 13 26-0196	EA	6" x 8" Timber Guide Rail Post .....	124.82		15.91
34 71 13 26-0197	EA	6" x 9" Timber Guide Rail Post .....	141.65		15.91
34 71 13 26-0198	EA	10" x 10" Timber Guide Rail Post .....	273.52		15.91

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
34 71 13 26-0199 EA 10" x 12" Timber Guide Rail Post .....	289.25	15.91
34 71 13 26-0200 EA 12" x 12" Timber Guide Rail Post .....	334.08	15.91
<b>34 71 13 26-0201 Timber Guide Rails</b> <small>(34 71 13 26-0194)</small>		
Note: Excludes posts, spacer blocks and steel backup plates.		
34 71 13 26-0202 LF 4" x 8" Timber Guide Rail.....	14.18	1.91
34 71 13 26-0203 LF 4" x 9" Timber Guide Rail.....	15.48	1.91
34 71 13 26-0204 LF 6" x 10" Timber Guide Rail.....	21.53	1.91
34 71 13 26-0205 LF 6" x 12" Timber Guide Rail.....	25.08	1.91
<b>34 71 13 26-0206 Spacer Blocks For Timber Guide Rails</b> <small>(34 71 13 26-0194)</small>		
34 71 13 26-0207 EA 4" x 9" Spacer Block For Timber Guide Rails .....	20.16	2.54
34 71 13 26-0208 EA 6" x 8" Spacer Block For Timber Guide Rails .....	23.07	2.54
34 71 13 26-0209 EA 8" x 8" Spacer Block For Timber Guide Rails .....	26.77	2.54
<b>34 71 13 26-0210 Weathering Steel Backup Plates For Timber Guide Rails</b> <small>(34 71 13 26-0194)</small>		
34 71 13 26-0211 LF 6" High, Weathering Steel Backup Plate For Timber Guide Rails.....	27.44	1.59
<b>34 71 13 26-0212 Weathering Steel Splice And Bearing Plates For Timber Guide Rails</b> <small>(34 71 13 26-0194)</small>		
34 71 13 26-0213 EA Weathering Steel Splice Plate For Timber Guide Rails .....	194.47	22.28
34 71 13 26-0214 EA Weathering Steel Bearing Termination Plate For Timber Guide Rails .....	122.58	15.91
<b>34 71 13 26-0215 Individual Concrete Guard Rail Posts</b> <small>(34 71 13 26)</small>		
34 71 13 26-0216 EA 6'-5" Concrete Guard Rail Posts, Round .....	94.37	9.87
34 71 13 26-0217 EA 6'-5" Concrete Posts, Square.....	105.80	11.11
34 71 13 26-0218 EA 6'-5" Concrete Posts, Triangular.....	103.43	11.11

**END OF SECTION 34**

**34 Transportation**

**34 70 Transportation Construction and Equipment**

**34 71 Roadway Construction**

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR	CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 35 Waterway and Marine Construction

### 35 20 Waterway and Marine Construction and Equipment <sup>(35)</sup>

#### 35 22 Hydraulic Gates <sup>(35 20)</sup>

##### 35 22 59 Hydraulic Closure Gates <sup>(35 22)</sup>

##### 35 22 59 00-0001 316L Stainless Steel, Pontoon Tide Gates <sup>(35 22 59)</sup>

35 22 59 00-0002	EA 24" x 24", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	34,117.24	758.45
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,986.65	
35 22 59 00-0003	EA 30" x 30", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	36,288.94	866.81
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,986.65	
35 22 59 00-0004	EA 36" x 36", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	37,645.70	1,083.54
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,986.65	
35 22 59 00-0005	EA 42" x 42", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	41,024.85	1,319.04
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,986.65	
35 22 59 00-0006	EA 48" x 48", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	47,774.15	1,784.64
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,986.65	
35 22 59 00-0007	EA 54" x 54", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	53,393.84	2,528.21
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,986.65	
35 22 59 00-0008	EA 60" x 60", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	64,062.33	3,792.27
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,986.65	
35 22 59 00-0009	EA 66" x 66", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	71,836.80	6,067.62
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	2,986.65	
35 22 59 00-0010	EA 72" x 72", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	78,347.18	7,584.52
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	3,982.20	
35 22 59 00-0011	EA 78" x 78", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	84,260.23	9,101.44
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	3,982.20	
35 22 59 00-0012	EA 84" x 84", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	96,329.88	10,608.86
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	3,982.20	
35 22 59 00-0013	EA 90" x 90", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	108,797.75	12,116.28
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	3,982.20	
35 22 59 00-0014	EA 96" x 96", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	122,877.42	13,993.46
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	3,982.20	
35 22 59 00-0015	EA 102" x 102", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	139,327.42	16,098.16
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	4,977.75	
35 22 59 00-0016	EA 108" x 108", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	155,578.29	18,202.86
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	4,977.75	
35 22 59 00-0017	EA 114" x 114", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	179,423.32	24,027.78
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	4,977.75	
35 22 59 00-0018	EA 120" x 120", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	204,557.73	30,148.49
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	5,973.30	
35 22 59 00-0019	EA 132" x 132", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	249,830.62	36,405.65
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	5,973.30	
35 22 59 00-0020	EA 144" x 144", 316L Stainless Steel, Pontoon Tide Gate (Whipps, Inc.).....	301,977.58	43,800.62
	<i>For Pull Box, Add</i>	1,692.44	
	<i>For 20' Of Stainless Steel Chain, Add</i>	6,968.85	

END OF SECTION 35

**35 Waterway and Marine Construction**

35 20 Waterway and Marine Construction and Equipment

35 22 Hydraulic Gates

MINOR  
CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

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MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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## 40 Process Interconnections

### 40 05 Common Work Results For Process Interconnections <sup>(40)</sup>

#### 40 05 19 Ductile Iron Process Pipe <sup>(40 05)</sup>

40 05 19 00-0001	Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Piping <sup>(40 05 19)</sup> Note: C110 Fittings, 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be cement lined in accordance with ANSI/AWWA C104/A21.04. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4076 for bolts, 40 05 19 00-4091 for gaskets.		
40 05 19 00-0002	Flanged End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0001)</sup>		
40 05 19 00-0003	4" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-0002)</sup>		
40 05 19 00-0004	EA 4" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,007.60	289.61
	For Class 52 Rating, Deduct	-62.57	
	For Class 54 Rating, Add	90.59	
	For Class 55 Rating, Add	137.37	
	For Class 56 Rating, Add	183.59	
40 05 19 00-0005	EA 4" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,076.12	294.67
	For Class 52 Rating, Deduct	-69.26	
	For Class 54 Rating, Add	99.81	
	For Class 55 Rating, Add	151.13	
	For Class 56 Rating, Add	201.82	
40 05 19 00-0006	EA 4" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,144.65	299.73
	For Class 52 Rating, Deduct	-75.96	
	For Class 54 Rating, Add	109.03	
	For Class 55 Rating, Add	164.88	
	For Class 56 Rating, Add	220.05	
40 05 19 00-0007	EA 4" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,213.19	304.80
	For Class 52 Rating, Deduct	-82.65	
	For Class 54 Rating, Add	118.25	
	For Class 55 Rating, Add	178.64	
	For Class 56 Rating, Add	238.28	
40 05 19 00-0008	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,281.71	309.86
	For Class 52 Rating, Deduct	-89.35	
	For Class 54 Rating, Add	127.47	
	For Class 55 Rating, Add	192.39	
	For Class 56 Rating, Add	256.51	
40 05 19 00-0009	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,350.25	314.93
	For Class 52 Rating, Deduct	-96.04	
	For Class 54 Rating, Add	136.69	
	For Class 55 Rating, Add	206.15	
	For Class 56 Rating, Add	274.74	
40 05 19 00-0010	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,418.78	319.99
	For Class 52 Rating, Deduct	-102.73	
	For Class 54 Rating, Add	145.91	
	For Class 55 Rating, Add	219.91	
	For Class 56 Rating, Add	292.97	
40 05 19 00-0011	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,487.31	325.05
	For Class 52 Rating, Deduct	-109.43	
	For Class 54 Rating, Add	155.13	
	For Class 55 Rating, Add	233.66	
	For Class 56 Rating, Add	311.20	
40 05 19 00-0012	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,555.83	330.11
	For Class 52 Rating, Deduct	-116.12	
	For Class 54 Rating, Add	164.35	
	For Class 55 Rating, Add	247.42	
	For Class 56 Rating, Add	329.43	
40 05 19 00-0013	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,624.36	335.18
	For Class 52 Rating, Deduct	-122.82	
	For Class 54 Rating, Add	173.57	
	For Class 55 Rating, Add	261.17	
	For Class 56 Rating, Add	347.66	
40 05 19 00-0014	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,692.90	340.24
	For Class 52 Rating, Deduct	-129.51	
	For Class 54 Rating, Add	182.79	
	For Class 55 Rating, Add	274.93	
	For Class 56 Rating, Add	365.89	
40 05 19 00-0015	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,761.42	345.30
	For Class 52 Rating, Deduct	-136.21	
	For Class 54 Rating, Add	192.01	
	For Class 55 Rating, Add	288.68	
	For Class 56 Rating, Add	384.12	
40 05 19 00-0016	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,829.96	350.36
	For Class 52 Rating, Deduct	-142.90	
	For Class 54 Rating, Add	201.24	
	For Class 55 Rating, Add	302.44	
	For Class 56 Rating, Add	402.35	
40 05 19 00-0017	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,898.49	355.42
	For Class 52 Rating, Deduct	-149.60	
	For Class 54 Rating, Add	210.46	
	For Class 55 Rating, Add	316.20	
	For Class 56 Rating, Add	420.58	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

40 05 19 00-0018	EA	4" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,967.02	360.50
		<i>For Class 52 Rating, Deduct</i>	-156.29	
		<i>For Class 54 Rating, Add</i>	219.68	
		<i>For Class 55 Rating, Add</i>	329.95	
		<i>For Class 56 Rating, Add</i>	438.81	
40 05 19 00-0019	EA	4" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,035.55	365.56
		<i>For Class 52 Rating, Deduct</i>	-162.98	
		<i>For Class 54 Rating, Add</i>	228.90	
		<i>For Class 55 Rating, Add</i>	343.71	
		<i>For Class 56 Rating, Add</i>	457.03	
40 05 19 00-0020	EA	4" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,104.07	370.62
		<i>For Class 52 Rating, Deduct</i>	-169.68	
		<i>For Class 54 Rating, Add</i>	238.12	
		<i>For Class 55 Rating, Add</i>	357.46	
		<i>For Class 56 Rating, Add</i>	475.26	
40 05 19 00-0021	EA	4" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,172.61	375.68
		<i>For Class 52 Rating, Deduct</i>	-176.37	
		<i>For Class 54 Rating, Add</i>	247.34	
		<i>For Class 55 Rating, Add</i>	371.22	
		<i>For Class 56 Rating, Add</i>	493.49	
40 05 19 00-0022	EA	4" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,241.14	380.74
		<i>For Class 52 Rating, Deduct</i>	-183.07	
		<i>For Class 54 Rating, Add</i>	256.56	
		<i>For Class 55 Rating, Add</i>	384.97	
		<i>For Class 56 Rating, Add</i>	511.72	
40 05 19 00-0023	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,309.66	385.81
		<i>For Class 52 Rating, Deduct</i>	-189.76	
		<i>For Class 54 Rating, Add</i>	265.78	
		<i>For Class 55 Rating, Add</i>	398.73	
		<i>For Class 56 Rating, Add</i>	529.95	
40 05 19 00-0024	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,378.20	390.87
		<i>For Class 52 Rating, Deduct</i>	-196.46	
		<i>For Class 54 Rating, Add</i>	275.00	
		<i>For Class 55 Rating, Add</i>	412.48	
		<i>For Class 56 Rating, Add</i>	548.18	
40 05 19 00-0025	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,446.73	395.93
		<i>For Class 52 Rating, Deduct</i>	-203.15	
		<i>For Class 54 Rating, Add</i>	284.22	
		<i>For Class 55 Rating, Add</i>	426.24	
		<i>For Class 56 Rating, Add</i>	566.41	
40 05 19 00-0026	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,515.27	401.00
		<i>For Class 52 Rating, Deduct</i>	-209.85	
		<i>For Class 54 Rating, Add</i>	293.44	
		<i>For Class 55 Rating, Add</i>	440.00	
		<i>For Class 56 Rating, Add</i>	584.64	
40 05 19 00-0027	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,583.79	406.06
		<i>For Class 52 Rating, Deduct</i>	-216.54	
		<i>For Class 54 Rating, Add</i>	302.67	
		<i>For Class 55 Rating, Add</i>	453.75	
		<i>For Class 56 Rating, Add</i>	602.87	
40 05 19 00-0028	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,652.31	411.12
		<i>For Class 52 Rating, Deduct</i>	-223.23	
		<i>For Class 54 Rating, Add</i>	311.88	
		<i>For Class 55 Rating, Add</i>	467.51	
		<i>For Class 56 Rating, Add</i>	621.10	
40 05 19 00-0029	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,720.85	416.19
		<i>For Class 52 Rating, Deduct</i>	-229.93	
		<i>For Class 54 Rating, Add</i>	321.11	
		<i>For Class 55 Rating, Add</i>	481.26	
		<i>For Class 56 Rating, Add</i>	639.33	
40 05 19 00-0030	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,789.37	421.25
		<i>For Class 52 Rating, Deduct</i>	-236.62	
		<i>For Class 54 Rating, Add</i>	330.33	
		<i>For Class 55 Rating, Add</i>	495.02	
		<i>For Class 56 Rating, Add</i>	657.56	
40 05 19 00-0031	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,857.91	426.31
		<i>For Class 52 Rating, Deduct</i>	-243.32	
		<i>For Class 54 Rating, Add</i>	339.55	
		<i>For Class 55 Rating, Add</i>	508.77	
		<i>For Class 56 Rating, Add</i>	675.79	
40 05 19 00-0032	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,926.44	431.37
		<i>For Class 52 Rating, Deduct</i>	-250.01	
		<i>For Class 54 Rating, Add</i>	348.77	
		<i>For Class 55 Rating, Add</i>	522.53	
		<i>For Class 56 Rating, Add</i>	694.02	
40 05 19 00-0033	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,994.97	436.43
		<i>For Class 52 Rating, Deduct</i>	-256.71	
		<i>For Class 54 Rating, Add</i>	357.99	
		<i>For Class 55 Rating, Add</i>	536.29	
		<i>For Class 56 Rating, Add</i>	712.25	
40 05 19 00-0034	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,063.50	441.51
		<i>For Class 52 Rating, Deduct</i>	-263.40	
		<i>For Class 54 Rating, Add</i>	367.21	
		<i>For Class 55 Rating, Add</i>	550.04	
		<i>For Class 56 Rating, Add</i>	730.48	
40 05 19 00-0035	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,132.03	446.57
		<i>For Class 52 Rating, Deduct</i>	-270.10	
		<i>For Class 54 Rating, Add</i>	376.43	
		<i>For Class 55 Rating, Add</i>	563.80	
		<i>For Class 56 Rating, Add</i>	748.71	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0036	EA		4" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,200.56	451.63
			For Class 52 Rating, Deduct	-276.79	
			For Class 54 Rating, Add	385.65	
			For Class 55 Rating, Add	577.55	
			For Class 56 Rating, Add	766.93	
40 05 19 00-0037	EA		4" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,269.09	456.69
			For Class 52 Rating, Deduct	-283.48	
			For Class 54 Rating, Add	394.87	
			For Class 55 Rating, Add	591.31	
			For Class 56 Rating, Add	785.16	
40 05 19 00-0038	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,337.61	461.75
			For Class 52 Rating, Deduct	-290.18	
			For Class 54 Rating, Add	404.09	
			For Class 55 Rating, Add	605.06	
			For Class 56 Rating, Add	803.39	
40 05 19 00-0039	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,406.15	466.82
			For Class 52 Rating, Deduct	-296.87	
			For Class 54 Rating, Add	413.32	
			For Class 55 Rating, Add	618.82	
			For Class 56 Rating, Add	821.62	
40 05 19 00-0040	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,474.68	471.88
			For Class 52 Rating, Deduct	-303.57	
			For Class 54 Rating, Add	422.54	
			For Class 55 Rating, Add	632.57	
			For Class 56 Rating, Add	839.85	
40 05 19 00-0041	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,543.21	476.94
			For Class 52 Rating, Deduct	-310.26	
			For Class 54 Rating, Add	431.76	
			For Class 55 Rating, Add	646.33	
			For Class 56 Rating, Add	858.08	
40 05 19 00-0042	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,611.74	482.01
			For Class 52 Rating, Deduct	-316.96	
			For Class 54 Rating, Add	440.98	
			For Class 55 Rating, Add	660.09	
			For Class 56 Rating, Add	876.31	
<b>40 05 19 00-0043</b>			<b>6" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> (40 05 19 00-0002)		
40 05 19 00-0044	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,275.61	364.55
			For Class 52 Rating, Deduct	-79.56	
			For Class 54 Rating, Add	115.12	
			For Class 55 Rating, Add	174.55	
			For Class 56 Rating, Add	233.25	
40 05 19 00-0045	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,358.20	369.61
			For Class 52 Rating, Deduct	-87.80	
			For Class 54 Rating, Add	126.45	
			For Class 55 Rating, Add	191.44	
			For Class 56 Rating, Add	255.63	
40 05 19 00-0046	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,440.77	374.67
			For Class 52 Rating, Deduct	-96.04	
			For Class 54 Rating, Add	137.78	
			For Class 55 Rating, Add	208.32	
			For Class 56 Rating, Add	278.00	
40 05 19 00-0047	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,523.34	379.73
			For Class 52 Rating, Deduct	-104.28	
			For Class 54 Rating, Add	149.10	
			For Class 55 Rating, Add	225.21	
			For Class 56 Rating, Add	300.37	
40 05 19 00-0048	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,605.91	384.79
			For Class 52 Rating, Deduct	-112.52	
			For Class 54 Rating, Add	160.43	
			For Class 55 Rating, Add	242.10	
			For Class 56 Rating, Add	322.74	
40 05 19 00-0049	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,688.49	389.86
			For Class 52 Rating, Deduct	-120.76	
			For Class 54 Rating, Add	171.76	
			For Class 55 Rating, Add	258.99	
			For Class 56 Rating, Add	345.12	
40 05 19 00-0050	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,771.07	394.92
			For Class 52 Rating, Deduct	-129.00	
			For Class 54 Rating, Add	183.09	
			For Class 55 Rating, Add	275.87	
			For Class 56 Rating, Add	367.49	
40 05 19 00-0051	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,853.64	399.99
			For Class 52 Rating, Deduct	-137.24	
			For Class 54 Rating, Add	194.41	
			For Class 55 Rating, Add	292.76	
			For Class 56 Rating, Add	389.86	
40 05 19 00-0052	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,936.22	405.05
			For Class 52 Rating, Deduct	-145.48	
			For Class 54 Rating, Add	205.74	
			For Class 55 Rating, Add	309.65	
			For Class 56 Rating, Add	412.23	
40 05 19 00-0053	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,018.79	410.11
			For Class 52 Rating, Deduct	-153.72	
			For Class 54 Rating, Add	217.07	
			For Class 55 Rating, Add	326.54	
			For Class 56 Rating, Add	434.61	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0054	EA	6" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,101.36	415.17
		<i>For Class 52 Rating, Deduct</i>	-161.95	
		<i>For Class 54 Rating, Add</i>	228.40	
		<i>For Class 55 Rating, Add</i>	343.42	
		<i>For Class 56 Rating, Add</i>	456.98	
40 05 19 00-0055	EA	6" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,183.94	420.24
		<i>For Class 52 Rating, Deduct</i>	-170.19	
		<i>For Class 54 Rating, Add</i>	239.72	
		<i>For Class 55 Rating, Add</i>	360.31	
		<i>For Class 56 Rating, Add</i>	479.35	
40 05 19 00-0056	EA	6" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,266.51	425.30
		<i>For Class 52 Rating, Deduct</i>	-178.43	
		<i>For Class 54 Rating, Add</i>	251.05	
		<i>For Class 55 Rating, Add</i>	377.20	
		<i>For Class 56 Rating, Add</i>	501.72	
40 05 19 00-0057	EA	6" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,349.09	430.36
		<i>For Class 52 Rating, Deduct</i>	-186.67	
		<i>For Class 54 Rating, Add</i>	262.38	
		<i>For Class 55 Rating, Add</i>	394.09	
		<i>For Class 56 Rating, Add</i>	524.10	
40 05 19 00-0058	EA	6" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,431.66	435.42
		<i>For Class 52 Rating, Deduct</i>	-194.91	
		<i>For Class 54 Rating, Add</i>	273.70	
		<i>For Class 55 Rating, Add</i>	410.97	
		<i>For Class 56 Rating, Add</i>	546.47	
40 05 19 00-0059	EA	6" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,514.23	440.49
		<i>For Class 52 Rating, Deduct</i>	-203.15	
		<i>For Class 54 Rating, Add</i>	285.03	
		<i>For Class 55 Rating, Add</i>	427.86	
		<i>For Class 56 Rating, Add</i>	568.84	
40 05 19 00-0060	EA	6" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,596.81	445.56
		<i>For Class 52 Rating, Deduct</i>	-211.39	
		<i>For Class 54 Rating, Add</i>	296.36	
		<i>For Class 55 Rating, Add</i>	444.75	
		<i>For Class 56 Rating, Add</i>	591.21	
40 05 19 00-0061	EA	6" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,679.38	450.62
		<i>For Class 52 Rating, Deduct</i>	-219.63	
		<i>For Class 54 Rating, Add</i>	307.69	
		<i>For Class 55 Rating, Add</i>	461.63	
		<i>For Class 56 Rating, Add</i>	613.58	
40 05 19 00-0062	EA	6" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,761.97	455.68
		<i>For Class 52 Rating, Deduct</i>	-227.87	
		<i>For Class 54 Rating, Add</i>	319.02	
		<i>For Class 55 Rating, Add</i>	478.52	
		<i>For Class 56 Rating, Add</i>	635.96	
40 05 19 00-0063	EA	6" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,844.53	460.74
		<i>For Class 52 Rating, Deduct</i>	-236.11	
		<i>For Class 54 Rating, Add</i>	330.34	
		<i>For Class 55 Rating, Add</i>	495.41	
		<i>For Class 56 Rating, Add</i>	658.33	
40 05 19 00-0064	EA	6" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,927.10	465.80
		<i>For Class 52 Rating, Deduct</i>	-244.35	
		<i>For Class 54 Rating, Add</i>	341.67	
		<i>For Class 55 Rating, Add</i>	512.30	
		<i>For Class 56 Rating, Add</i>	680.70	
40 05 19 00-0065	EA	6" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,009.69	470.87
		<i>For Class 52 Rating, Deduct</i>	-252.59	
		<i>For Class 54 Rating, Add</i>	353.00	
		<i>For Class 55 Rating, Add</i>	529.19	
		<i>For Class 56 Rating, Add</i>	703.08	
40 05 19 00-0066	EA	6" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,092.25	475.93
		<i>For Class 52 Rating, Deduct</i>	-260.83	
		<i>For Class 54 Rating, Add</i>	364.33	
		<i>For Class 55 Rating, Add</i>	546.07	
		<i>For Class 56 Rating, Add</i>	725.45	
40 05 19 00-0067	EA	6" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,174.83	480.99
		<i>For Class 52 Rating, Deduct</i>	-269.07	
		<i>For Class 54 Rating, Add</i>	375.65	
		<i>For Class 55 Rating, Add</i>	562.96	
		<i>For Class 56 Rating, Add</i>	747.82	
40 05 19 00-0068	EA	6" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,257.41	486.06
		<i>For Class 52 Rating, Deduct</i>	-277.31	
		<i>For Class 54 Rating, Add</i>	386.98	
		<i>For Class 55 Rating, Add</i>	579.85	
		<i>For Class 56 Rating, Add</i>	770.20	
40 05 19 00-0069	EA	6" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,339.98	491.12
		<i>For Class 52 Rating, Deduct</i>	-285.54	
		<i>For Class 54 Rating, Add</i>	398.31	
		<i>For Class 55 Rating, Add</i>	596.74	
		<i>For Class 56 Rating, Add</i>	792.57	
40 05 19 00-0070	EA	6" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,422.55	496.18
		<i>For Class 52 Rating, Deduct</i>	-293.78	
		<i>For Class 54 Rating, Add</i>	409.64	
		<i>For Class 55 Rating, Add</i>	613.62	
		<i>For Class 56 Rating, Add</i>	814.94	
40 05 19 00-0071	EA	6" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,505.12	501.25
		<i>For Class 52 Rating, Deduct</i>	-302.02	
		<i>For Class 54 Rating, Add</i>	420.96	
		<i>For Class 55 Rating, Add</i>	630.51	
		<i>For Class 56 Rating, Add</i>	837.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0072	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,587.71	506.31
			For Class 52 Rating, Deduct	-310.26	
			For Class 54 Rating, Add	432.29	
			For Class 55 Rating, Add	647.40	
			For Class 56 Rating, Add	859.69	
40 05 19 00-0073	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,670.28	511.37
			For Class 52 Rating, Deduct	-318.50	
			For Class 54 Rating, Add	443.62	
			For Class 55 Rating, Add	664.29	
			For Class 56 Rating, Add	882.06	
40 05 19 00-0074	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,752.84	516.43
			For Class 52 Rating, Deduct	-326.74	
			For Class 54 Rating, Add	454.95	
			For Class 55 Rating, Add	681.17	
			For Class 56 Rating, Add	904.43	
40 05 19 00-0075	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,835.43	521.49
			For Class 52 Rating, Deduct	-334.98	
			For Class 54 Rating, Add	466.27	
			For Class 55 Rating, Add	698.06	
			For Class 56 Rating, Add	926.80	
40 05 19 00-0076	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,918.00	526.57
			For Class 52 Rating, Deduct	-343.22	
			For Class 54 Rating, Add	477.60	
			For Class 55 Rating, Add	714.95	
			For Class 56 Rating, Add	949.17	
40 05 19 00-0077	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,000.58	531.63
			For Class 52 Rating, Deduct	-351.46	
			For Class 54 Rating, Add	488.93	
			For Class 55 Rating, Add	731.83	
			For Class 56 Rating, Add	971.55	
40 05 19 00-0078	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,083.15	536.69
			For Class 52 Rating, Deduct	-359.70	
			For Class 54 Rating, Add	500.26	
			For Class 55 Rating, Add	748.72	
			For Class 56 Rating, Add	993.92	
40 05 19 00-0079	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,165.73	541.75
			For Class 52 Rating, Deduct	-367.94	
			For Class 54 Rating, Add	511.58	
			For Class 55 Rating, Add	765.61	
			For Class 56 Rating, Add	1,016.29	
40 05 19 00-0080	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,248.30	546.81
			For Class 52 Rating, Deduct	-376.18	
			For Class 54 Rating, Add	522.91	
			For Class 55 Rating, Add	782.50	
			For Class 56 Rating, Add	1,038.66	
40 05 19 00-0081	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,330.87	551.88
			For Class 52 Rating, Deduct	-384.42	
			For Class 54 Rating, Add	534.24	
			For Class 55 Rating, Add	799.39	
			For Class 56 Rating, Add	1,061.04	
40 05 19 00-0082	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,413.45	556.94
			For Class 52 Rating, Deduct	-392.66	
			For Class 54 Rating, Add	545.57	
			For Class 55 Rating, Add	816.27	
			For Class 56 Rating, Add	1,083.41	
<b>40 05 19 00-0083</b>			<b>8" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0084	EA		8" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,770.79	465.80
			For Class 52 Rating, Deduct	-117.15	
			For Class 54 Rating, Add	168.22	
			For Class 55 Rating, Add	254.44	
			For Class 56 Rating, Add	339.59	
40 05 19 00-0085	EA		8" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,881.46	470.87
			For Class 52 Rating, Deduct	-128.48	
			For Class 54 Rating, Add	183.76	
			For Class 55 Rating, Add	277.59	
			For Class 56 Rating, Add	370.25	
40 05 19 00-0086	EA		8" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,992.11	475.93
			For Class 52 Rating, Deduct	-139.81	
			For Class 54 Rating, Add	199.30	
			For Class 55 Rating, Add	300.74	
			For Class 56 Rating, Add	400.91	
40 05 19 00-0087	EA		8" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,102.78	480.99
			For Class 52 Rating, Deduct	-151.14	
			For Class 54 Rating, Add	214.85	
			For Class 55 Rating, Add	323.89	
			For Class 56 Rating, Add	431.57	
40 05 19 00-0088	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,213.44	486.06
			For Class 52 Rating, Deduct	-162.47	
			For Class 54 Rating, Add	230.39	
			For Class 55 Rating, Add	347.04	
			For Class 56 Rating, Add	462.22	
40 05 19 00-0089	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,324.11	491.12
			For Class 52 Rating, Deduct	-173.80	
			For Class 54 Rating, Add	245.93	
			For Class 55 Rating, Add	370.20	
			For Class 56 Rating, Add	492.89	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0090	EA	8" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,434.77	496.18
		<i>For Class 52 Rating, Deduct</i>	-185.13	
		<i>For Class 54 Rating, Add</i>	261.47	
		<i>For Class 55 Rating, Add</i>	393.35	
		<i>For Class 56 Rating, Add</i>	523.54	
40 05 19 00-0091	EA	8" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,545.43	501.25
		<i>For Class 52 Rating, Deduct</i>	-196.46	
		<i>For Class 54 Rating, Add</i>	277.01	
		<i>For Class 55 Rating, Add</i>	416.50	
		<i>For Class 56 Rating, Add</i>	554.20	
40 05 19 00-0092	EA	8" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,656.10	506.31
		<i>For Class 52 Rating, Deduct</i>	-207.79	
		<i>For Class 54 Rating, Add</i>	292.55	
		<i>For Class 55 Rating, Add</i>	439.65	
		<i>For Class 56 Rating, Add</i>	584.86	
40 05 19 00-0093	EA	8" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,766.76	511.37
		<i>For Class 52 Rating, Deduct</i>	-219.11	
		<i>For Class 54 Rating, Add</i>	308.09	
		<i>For Class 55 Rating, Add</i>	462.80	
		<i>For Class 56 Rating, Add</i>	615.52	
40 05 19 00-0094	EA	8" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,877.41	516.43
		<i>For Class 52 Rating, Deduct</i>	-230.44	
		<i>For Class 54 Rating, Add</i>	323.63	
		<i>For Class 55 Rating, Add</i>	485.95	
		<i>For Class 56 Rating, Add</i>	646.18	
40 05 19 00-0095	EA	8" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,988.09	521.49
		<i>For Class 52 Rating, Deduct</i>	-241.77	
		<i>For Class 54 Rating, Add</i>	339.17	
		<i>For Class 55 Rating, Add</i>	509.10	
		<i>For Class 56 Rating, Add</i>	676.84	
40 05 19 00-0096	EA	8" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,098.75	526.57
		<i>For Class 52 Rating, Deduct</i>	-253.10	
		<i>For Class 54 Rating, Add</i>	354.71	
		<i>For Class 55 Rating, Add</i>	532.26	
		<i>For Class 56 Rating, Add</i>	707.50	
40 05 19 00-0097	EA	8" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,209.42	531.63
		<i>For Class 52 Rating, Deduct</i>	-264.43	
		<i>For Class 54 Rating, Add</i>	370.25	
		<i>For Class 55 Rating, Add</i>	555.41	
		<i>For Class 56 Rating, Add</i>	738.15	
40 05 19 00-0098	EA	8" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,320.07	536.69
		<i>For Class 52 Rating, Deduct</i>	-275.76	
		<i>For Class 54 Rating, Add</i>	385.79	
		<i>For Class 55 Rating, Add</i>	578.56	
		<i>For Class 56 Rating, Add</i>	768.81	
40 05 19 00-0099	EA	8" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,430.74	541.75
		<i>For Class 52 Rating, Deduct</i>	-287.09	
		<i>For Class 54 Rating, Add</i>	401.34	
		<i>For Class 55 Rating, Add</i>	601.71	
		<i>For Class 56 Rating, Add</i>	799.47	
40 05 19 00-0100	EA	8" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,541.40	546.81
		<i>For Class 52 Rating, Deduct</i>	-298.42	
		<i>For Class 54 Rating, Add</i>	416.88	
		<i>For Class 55 Rating, Add</i>	624.86	
		<i>For Class 56 Rating, Add</i>	830.13	
40 05 19 00-0101	EA	8" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,652.06	551.88
		<i>For Class 52 Rating, Deduct</i>	-309.75	
		<i>For Class 54 Rating, Add</i>	432.42	
		<i>For Class 55 Rating, Add</i>	648.01	
		<i>For Class 56 Rating, Add</i>	860.79	
40 05 19 00-0102	EA	8" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,762.73	556.94
		<i>For Class 52 Rating, Deduct</i>	-321.08	
		<i>For Class 54 Rating, Add</i>	447.96	
		<i>For Class 55 Rating, Add</i>	671.16	
		<i>For Class 56 Rating, Add</i>	891.45	
40 05 19 00-0103	EA	8" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,873.39	562.00
		<i>For Class 52 Rating, Deduct</i>	-332.41	
		<i>For Class 54 Rating, Add</i>	463.50	
		<i>For Class 55 Rating, Add</i>	694.31	
		<i>For Class 56 Rating, Add</i>	922.11	
40 05 19 00-0104	EA	8" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,984.06	567.07
		<i>For Class 52 Rating, Deduct</i>	-343.73	
		<i>For Class 54 Rating, Add</i>	479.04	
		<i>For Class 55 Rating, Add</i>	717.46	
		<i>For Class 56 Rating, Add</i>	952.76	
40 05 19 00-0105	EA	8" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,094.71	572.13
		<i>For Class 52 Rating, Deduct</i>	-355.06	
		<i>For Class 54 Rating, Add</i>	494.58	
		<i>For Class 55 Rating, Add</i>	740.62	
		<i>For Class 56 Rating, Add</i>	983.42	
40 05 19 00-0106	EA	8" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,205.37	577.19
		<i>For Class 52 Rating, Deduct</i>	-366.39	
		<i>For Class 54 Rating, Add</i>	510.12	
		<i>For Class 55 Rating, Add</i>	763.77	
		<i>For Class 56 Rating, Add</i>	1,014.08	
40 05 19 00-0107	EA	8" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,316.05	582.26
		<i>For Class 52 Rating, Deduct</i>	-377.72	
		<i>For Class 54 Rating, Add</i>	525.66	
		<i>For Class 55 Rating, Add</i>	786.92	
		<i>For Class 56 Rating, Add</i>	1,044.74	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0108	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,426.71	587.32
			For Class 52 Rating, Deduct	-389.05	
			For Class 54 Rating, Add	541.20	
			For Class 55 Rating, Add	810.07	
			For Class 56 Rating, Add	1,075.40	
40 05 19 00-0109	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,537.37	592.38
			For Class 52 Rating, Deduct	-400.38	
			For Class 54 Rating, Add	556.74	
			For Class 55 Rating, Add	833.22	
			For Class 56 Rating, Add	1,106.06	
40 05 19 00-0110	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,648.03	597.44
			For Class 52 Rating, Deduct	-411.71	
			For Class 54 Rating, Add	572.28	
			For Class 55 Rating, Add	856.37	
			For Class 56 Rating, Add	1,136.72	
40 05 19 00-0111	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,758.69	602.50
			For Class 52 Rating, Deduct	-423.04	
			For Class 54 Rating, Add	587.82	
			For Class 55 Rating, Add	879.52	
			For Class 56 Rating, Add	1,167.38	
40 05 19 00-0112	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,869.35	607.58
			For Class 52 Rating, Deduct	-434.37	
			For Class 54 Rating, Add	603.37	
			For Class 55 Rating, Add	902.67	
			For Class 56 Rating, Add	1,198.03	
40 05 19 00-0113	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,980.02	612.64
			For Class 52 Rating, Deduct	-445.70	
			For Class 54 Rating, Add	618.91	
			For Class 55 Rating, Add	925.83	
			For Class 56 Rating, Add	1,228.69	
40 05 19 00-0114	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,090.69	617.70
			For Class 52 Rating, Deduct	-457.03	
			For Class 54 Rating, Add	634.45	
			For Class 55 Rating, Add	948.98	
			For Class 56 Rating, Add	1,259.35	
40 05 19 00-0115	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,201.35	622.76
			For Class 52 Rating, Deduct	-468.35	
			For Class 54 Rating, Add	649.99	
			For Class 55 Rating, Add	972.13	
			For Class 56 Rating, Add	1,290.01	
40 05 19 00-0116	EA		8" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,312.00	627.82
			For Class 52 Rating, Deduct	-479.68	
			For Class 54 Rating, Add	665.53	
			For Class 55 Rating, Add	995.28	
			For Class 56 Rating, Add	1,320.67	
40 05 19 00-0117	EA		8" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,422.67	632.89
			For Class 52 Rating, Deduct	-491.01	
			For Class 54 Rating, Add	681.07	
			For Class 55 Rating, Add	1,018.43	
			For Class 56 Rating, Add	1,351.33	
40 05 19 00-0118	EA		8" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,533.33	637.95
			For Class 52 Rating, Deduct	-502.34	
			For Class 54 Rating, Add	696.61	
			For Class 55 Rating, Add	1,041.58	
			For Class 56 Rating, Add	1,381.99	
40 05 19 00-0119	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,644.01	643.01
			For Class 52 Rating, Deduct	-513.67	
			For Class 54 Rating, Add	712.15	
			For Class 55 Rating, Add	1,064.73	
			For Class 56 Rating, Add	1,412.65	
40 05 19 00-0120	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,754.66	648.07
			For Class 52 Rating, Deduct	-525.00	
			For Class 54 Rating, Add	727.69	
			For Class 55 Rating, Add	1,087.89	
			For Class 56 Rating, Add	1,443.30	
40 05 19 00-0121	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,865.32	653.14
			For Class 52 Rating, Deduct	-536.33	
			For Class 54 Rating, Add	743.23	
			For Class 55 Rating, Add	1,111.04	
			For Class 56 Rating, Add	1,473.96	
40 05 19 00-0122	EA		8" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,975.99	658.20
			For Class 52 Rating, Deduct	-547.66	
			For Class 54 Rating, Add	758.77	
			For Class 55 Rating, Add	1,134.19	
			For Class 56 Rating, Add	1,504.62	
40 05 19 00-0123			<b>10" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0124	EA		10" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,226.18	567.07
			For Class 52 Rating, Deduct	-150.37	
			For Class 54 Rating, Add	215.36	
			For Class 55 Rating, Add	325.46	
			For Class 56 Rating, Add	434.19	
40 05 19 00-0125	EA		10" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,369.60	572.13
			For Class 52 Rating, Deduct	-165.30	
			For Class 54 Rating, Add	235.81	
			For Class 55 Rating, Add	355.92	
			For Class 56 Rating, Add	474.52	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0126	EA	10" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,513.03	577.19
		<i>For Class 52 Rating, Deduct</i>	-180.24	
		<i>For Class 54 Rating, Add</i>	256.27	
		<i>For Class 55 Rating, Add</i>	386.37	
		<i>For Class 56 Rating, Add</i>	514.84	
40 05 19 00-0127	EA	10" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,656.48	582.26
		<i>For Class 52 Rating, Deduct</i>	-195.17	
		<i>For Class 54 Rating, Add</i>	276.73	
		<i>For Class 55 Rating, Add</i>	416.84	
		<i>For Class 56 Rating, Add</i>	555.17	
40 05 19 00-0128	EA	10" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,799.91	587.32
		<i>For Class 52 Rating, Deduct</i>	-210.10	
		<i>For Class 54 Rating, Add</i>	297.18	
		<i>For Class 55 Rating, Add</i>	447.29	
		<i>For Class 56 Rating, Add</i>	595.49	
40 05 19 00-0129	EA	10" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,943.34	592.38
		<i>For Class 52 Rating, Deduct</i>	-225.04	
		<i>For Class 54 Rating, Add</i>	317.64	
		<i>For Class 55 Rating, Add</i>	477.75	
		<i>For Class 56 Rating, Add</i>	635.82	
40 05 19 00-0130	EA	10" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,086.77	597.44
		<i>For Class 52 Rating, Deduct</i>	-239.97	
		<i>For Class 54 Rating, Add</i>	338.10	
		<i>For Class 55 Rating, Add</i>	508.21	
		<i>For Class 56 Rating, Add</i>	676.15	
40 05 19 00-0131	EA	10" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,230.20	602.50
		<i>For Class 52 Rating, Deduct</i>	-254.90	
		<i>For Class 54 Rating, Add</i>	358.55	
		<i>For Class 55 Rating, Add</i>	538.67	
		<i>For Class 56 Rating, Add</i>	716.47	
40 05 19 00-0132	EA	10" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,373.63	607.58
		<i>For Class 52 Rating, Deduct</i>	-269.84	
		<i>For Class 54 Rating, Add</i>	379.01	
		<i>For Class 55 Rating, Add</i>	569.13	
		<i>For Class 56 Rating, Add</i>	756.80	
40 05 19 00-0133	EA	10" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,517.07	612.64
		<i>For Class 52 Rating, Deduct</i>	-284.77	
		<i>For Class 54 Rating, Add</i>	399.46	
		<i>For Class 55 Rating, Add</i>	599.59	
		<i>For Class 56 Rating, Add</i>	797.12	
40 05 19 00-0134	EA	10" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,660.51	617.70
		<i>For Class 52 Rating, Deduct</i>	-299.71	
		<i>For Class 54 Rating, Add</i>	419.92	
		<i>For Class 55 Rating, Add</i>	630.05	
		<i>For Class 56 Rating, Add</i>	837.45	
40 05 19 00-0135	EA	10" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,803.94	622.76
		<i>For Class 52 Rating, Deduct</i>	-314.64	
		<i>For Class 54 Rating, Add</i>	440.38	
		<i>For Class 55 Rating, Add</i>	660.51	
		<i>For Class 56 Rating, Add</i>	877.78	
40 05 19 00-0136	EA	10" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,947.36	627.82
		<i>For Class 52 Rating, Deduct</i>	-329.57	
		<i>For Class 54 Rating, Add</i>	460.83	
		<i>For Class 55 Rating, Add</i>	690.96	
		<i>For Class 56 Rating, Add</i>	918.10	
40 05 19 00-0137	EA	10" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,090.80	632.89
		<i>For Class 52 Rating, Deduct</i>	-344.51	
		<i>For Class 54 Rating, Add</i>	481.29	
		<i>For Class 55 Rating, Add</i>	721.42	
		<i>For Class 56 Rating, Add</i>	958.43	
40 05 19 00-0138	EA	10" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,234.24	637.95
		<i>For Class 52 Rating, Deduct</i>	-359.44	
		<i>For Class 54 Rating, Add</i>	501.75	
		<i>For Class 55 Rating, Add</i>	751.88	
		<i>For Class 56 Rating, Add</i>	998.75	
40 05 19 00-0139	EA	10" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,377.68	643.01
		<i>For Class 52 Rating, Deduct</i>	-374.38	
		<i>For Class 54 Rating, Add</i>	522.20	
		<i>For Class 55 Rating, Add</i>	782.34	
		<i>For Class 56 Rating, Add</i>	1,039.08	
40 05 19 00-0140	EA	10" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,521.10	648.07
		<i>For Class 52 Rating, Deduct</i>	-389.31	
		<i>For Class 54 Rating, Add</i>	542.66	
		<i>For Class 55 Rating, Add</i>	812.80	
		<i>For Class 56 Rating, Add</i>	1,079.40	
40 05 19 00-0141	EA	10" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,664.53	653.14
		<i>For Class 52 Rating, Deduct</i>	-404.24	
		<i>For Class 54 Rating, Add</i>	563.11	
		<i>For Class 55 Rating, Add</i>	843.26	
		<i>For Class 56 Rating, Add</i>	1,119.73	
40 05 19 00-0142	EA	10" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,807.97	658.20
		<i>For Class 52 Rating, Deduct</i>	-419.18	
		<i>For Class 54 Rating, Add</i>	583.57	
		<i>For Class 55 Rating, Add</i>	873.72	
		<i>For Class 56 Rating, Add</i>	1,160.06	
40 05 19 00-0143	EA	10" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,951.39	663.27
		<i>For Class 52 Rating, Deduct</i>	-434.11	
		<i>For Class 54 Rating, Add</i>	604.03	
		<i>For Class 55 Rating, Add</i>	904.18	
		<i>For Class 56 Rating, Add</i>	1,200.38	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0144	EA		10" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,094.84	668.33
			For Class 52 Rating, Deduct	-449.04	
			For Class 54 Rating, Add	624.48	
			For Class 55 Rating, Add	934.64	
			For Class 56 Rating, Add	1,240.71	
40 05 19 00-0145	EA		10" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,238.27	673.39
			For Class 52 Rating, Deduct	-463.98	
			For Class 54 Rating, Add	644.94	
			For Class 55 Rating, Add	965.10	
			For Class 56 Rating, Add	1,281.03	
40 05 19 00-0146	EA		10" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,381.70	678.45
			For Class 52 Rating, Deduct	-478.91	
			For Class 54 Rating, Add	665.40	
			For Class 55 Rating, Add	995.56	
			For Class 56 Rating, Add	1,321.36	
40 05 19 00-0147	EA		10" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,525.13	683.51
			For Class 52 Rating, Deduct	-493.85	
			For Class 54 Rating, Add	685.85	
			For Class 55 Rating, Add	1,026.01	
			For Class 56 Rating, Add	1,361.69	
40 05 19 00-0148	EA		10" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,668.56	688.58
			For Class 52 Rating, Deduct	-508.78	
			For Class 54 Rating, Add	706.31	
			For Class 55 Rating, Add	1,056.47	
			For Class 56 Rating, Add	1,402.01	
40 05 19 00-0149	EA		10" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,812.00	693.65
			For Class 52 Rating, Deduct	-523.71	
			For Class 54 Rating, Add	726.76	
			For Class 55 Rating, Add	1,086.93	
			For Class 56 Rating, Add	1,442.34	
40 05 19 00-0150	EA		10" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,955.44	698.71
			For Class 52 Rating, Deduct	-538.65	
			For Class 54 Rating, Add	747.22	
			For Class 55 Rating, Add	1,117.39	
			For Class 56 Rating, Add	1,482.66	
40 05 19 00-0151	EA		10" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,098.87	703.77
			For Class 52 Rating, Deduct	-553.58	
			For Class 54 Rating, Add	767.68	
			For Class 55 Rating, Add	1,147.85	
			For Class 56 Rating, Add	1,522.99	
40 05 19 00-0152	EA		10" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,242.30	708.83
			For Class 52 Rating, Deduct	-568.51	
			For Class 54 Rating, Add	788.13	
			For Class 55 Rating, Add	1,178.31	
			For Class 56 Rating, Add	1,563.32	
40 05 19 00-0153	EA		10" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,385.73	713.90
			For Class 52 Rating, Deduct	-583.45	
			For Class 54 Rating, Add	808.59	
			For Class 55 Rating, Add	1,208.77	
			For Class 56 Rating, Add	1,603.64	
40 05 19 00-0154	EA		10" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,529.16	718.96
			For Class 52 Rating, Deduct	-598.38	
			For Class 54 Rating, Add	829.05	
			For Class 55 Rating, Add	1,239.23	
			For Class 56 Rating, Add	1,643.97	
40 05 19 00-0155	EA		10" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,670.25	724.02
			For Class 52 Rating, Deduct	-613.06	
			For Class 54 Rating, Add	849.15	
			For Class 55 Rating, Add	1,269.16	
			For Class 56 Rating, Add	1,683.60	
40 05 19 00-0156	EA		10" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,816.04	729.08
			For Class 52 Rating, Deduct	-628.25	
			For Class 54 Rating, Add	869.96	
			For Class 55 Rating, Add	1,300.15	
			For Class 56 Rating, Add	1,724.62	
40 05 19 00-0157	EA		10" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,959.47	734.15
			For Class 52 Rating, Deduct	-643.18	
			For Class 54 Rating, Add	890.42	
			For Class 55 Rating, Add	1,330.60	
			For Class 56 Rating, Add	1,764.95	
40 05 19 00-0158	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,102.89	739.21
			For Class 52 Rating, Deduct	-658.12	
			For Class 54 Rating, Add	910.87	
			For Class 55 Rating, Add	1,361.06	
			For Class 56 Rating, Add	1,805.27	
40 05 19 00-0159	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,246.33	744.28
			For Class 52 Rating, Deduct	-673.05	
			For Class 54 Rating, Add	931.33	
			For Class 55 Rating, Add	1,391.52	
			For Class 56 Rating, Add	1,845.60	
40 05 19 00-0160	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,389.76	749.34
			For Class 52 Rating, Deduct	-687.98	
			For Class 54 Rating, Add	951.78	
			For Class 55 Rating, Add	1,421.98	
			For Class 56 Rating, Add	1,885.92	
40 05 19 00-0161	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,533.21	754.40
			For Class 52 Rating, Deduct	-702.92	
			For Class 54 Rating, Add	972.24	
			For Class 55 Rating, Add	1,452.44	
			For Class 56 Rating, Add	1,926.25	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0162	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,676.63	759.46
			<i>For Class 52 Rating, Deduct</i>	-717.85	
			<i>For Class 54 Rating, Add</i>	992.70	
			<i>For Class 55 Rating, Add</i>	1,482.90	
			<i>For Class 56 Rating, Add</i>	1,966.57	
<b>40 05 19 00-0163 12" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>					
40 05 19 00-0164	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,904.43	708.83
			<i>For Class 52 Rating, Deduct</i>	-201.35	
			<i>For Class 54 Rating, Add</i>	287.45	
			<i>For Class 55 Rating, Add</i>	433.96	
			<i>For Class 56 Rating, Add</i>	578.64	
40 05 19 00-0165	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,082.98	713.90
			<i>For Class 52 Rating, Deduct</i>	-220.15	
			<i>For Class 54 Rating, Add</i>	313.18	
			<i>For Class 55 Rating, Add</i>	472.25	
			<i>For Class 56 Rating, Add</i>	629.33	
40 05 19 00-0166	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,261.52	718.96
			<i>For Class 52 Rating, Deduct</i>	-238.94	
			<i>For Class 54 Rating, Add</i>	338.90	
			<i>For Class 55 Rating, Add</i>	510.54	
			<i>For Class 56 Rating, Add</i>	680.01	
40 05 19 00-0167	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,440.06	724.02
			<i>For Class 52 Rating, Deduct</i>	-257.74	
			<i>For Class 54 Rating, Add</i>	364.62	
			<i>For Class 55 Rating, Add</i>	548.83	
			<i>For Class 56 Rating, Add</i>	730.69	
40 05 19 00-0168	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,618.61	729.08
			<i>For Class 52 Rating, Deduct</i>	-276.53	
			<i>For Class 54 Rating, Add</i>	390.35	
			<i>For Class 55 Rating, Add</i>	587.12	
			<i>For Class 56 Rating, Add</i>	781.38	
40 05 19 00-0169	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,797.16	734.15
			<i>For Class 52 Rating, Deduct</i>	-295.33	
			<i>For Class 54 Rating, Add</i>	416.07	
			<i>For Class 55 Rating, Add</i>	625.41	
			<i>For Class 56 Rating, Add</i>	832.06	
40 05 19 00-0170	EA		12" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,975.69	739.21
			<i>For Class 52 Rating, Deduct</i>	-314.12	
			<i>For Class 54 Rating, Add</i>	441.79	
			<i>For Class 55 Rating, Add</i>	663.70	
			<i>For Class 56 Rating, Add</i>	882.75	
40 05 19 00-0171	EA		12" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,154.24	744.28
			<i>For Class 52 Rating, Deduct</i>	-332.92	
			<i>For Class 54 Rating, Add</i>	467.51	
			<i>For Class 55 Rating, Add</i>	701.99	
			<i>For Class 56 Rating, Add</i>	933.43	
40 05 19 00-0172	EA		12" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,332.78	749.34
			<i>For Class 52 Rating, Deduct</i>	-351.72	
			<i>For Class 54 Rating, Add</i>	493.24	
			<i>For Class 55 Rating, Add</i>	740.27	
			<i>For Class 56 Rating, Add</i>	984.11	
40 05 19 00-0173	EA		12" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,511.34	754.40
			<i>For Class 52 Rating, Deduct</i>	-370.51	
			<i>For Class 54 Rating, Add</i>	518.96	
			<i>For Class 55 Rating, Add</i>	778.56	
			<i>For Class 56 Rating, Add</i>	1,034.80	
40 05 19 00-0174	EA		12" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,689.87	759.46
			<i>For Class 52 Rating, Deduct</i>	-389.31	
			<i>For Class 54 Rating, Add</i>	544.68	
			<i>For Class 55 Rating, Add</i>	816.85	
			<i>For Class 56 Rating, Add</i>	1,085.48	
40 05 19 00-0175	EA		12" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,868.41	764.52
			<i>For Class 52 Rating, Deduct</i>	-408.10	
			<i>For Class 54 Rating, Add</i>	570.41	
			<i>For Class 55 Rating, Add</i>	855.14	
			<i>For Class 56 Rating, Add</i>	1,136.16	
40 05 19 00-0176	EA		12" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,046.96	769.59
			<i>For Class 52 Rating, Deduct</i>	-426.90	
			<i>For Class 54 Rating, Add</i>	596.13	
			<i>For Class 55 Rating, Add</i>	893.43	
			<i>For Class 56 Rating, Add</i>	1,186.85	
40 05 19 00-0177	EA		12" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,225.51	774.66
			<i>For Class 52 Rating, Deduct</i>	-445.70	
			<i>For Class 54 Rating, Add</i>	621.85	
			<i>For Class 55 Rating, Add</i>	931.72	
			<i>For Class 56 Rating, Add</i>	1,237.53	
40 05 19 00-0178	EA		12" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,404.05	779.72
			<i>For Class 52 Rating, Deduct</i>	-464.49	
			<i>For Class 54 Rating, Add</i>	647.58	
			<i>For Class 55 Rating, Add</i>	970.01	
			<i>For Class 56 Rating, Add</i>	1,288.21	
40 05 19 00-0179	EA		12" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,582.59	784.78
			<i>For Class 52 Rating, Deduct</i>	-483.29	
			<i>For Class 54 Rating, Add</i>	673.30	
			<i>For Class 55 Rating, Add</i>	1,008.29	
			<i>For Class 56 Rating, Add</i>	1,338.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0180	EA		12" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,761.13	789.84
			For Class 52 Rating, Deduct	-502.68	
			For Class 54 Rating, Add	699.02	
			For Class 55 Rating, Add	1,046.58	
			For Class 56 Rating, Add	1,389.58	
40 05 19 00-0181	EA		12" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,939.68	794.91
			For Class 52 Rating, Deduct	-520.88	
			For Class 54 Rating, Add	724.74	
			For Class 55 Rating, Add	1,084.87	
			For Class 56 Rating, Add	1,440.27	
40 05 19 00-0182	EA		12" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,118.22	799.97
			For Class 52 Rating, Deduct	-539.68	
			For Class 54 Rating, Add	750.47	
			For Class 55 Rating, Add	1,123.16	
			For Class 56 Rating, Add	1,490.95	
40 05 19 00-0183	EA		12" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,296.77	805.03
			For Class 52 Rating, Deduct	-558.47	
			For Class 54 Rating, Add	776.19	
			For Class 55 Rating, Add	1,161.45	
			For Class 56 Rating, Add	1,541.63	
40 05 19 00-0184	EA		12" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,475.31	810.09
			For Class 52 Rating, Deduct	-577.27	
			For Class 54 Rating, Add	801.91	
			For Class 55 Rating, Add	1,199.74	
			For Class 56 Rating, Add	1,592.31	
40 05 19 00-0185	EA		12" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,653.85	815.15
			For Class 52 Rating, Deduct	-596.06	
			For Class 54 Rating, Add	827.64	
			For Class 55 Rating, Add	1,238.03	
			For Class 56 Rating, Add	1,643.00	
40 05 19 00-0186	EA		12" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,832.40	820.23
			For Class 52 Rating, Deduct	-614.86	
			For Class 54 Rating, Add	853.36	
			For Class 55 Rating, Add	1,276.32	
			For Class 56 Rating, Add	1,693.68	
40 05 19 00-0187	EA		12" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,010.94	825.29
			For Class 52 Rating, Deduct	-633.66	
			For Class 54 Rating, Add	879.08	
			For Class 55 Rating, Add	1,314.60	
			For Class 56 Rating, Add	1,744.37	
40 05 19 00-0188	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,189.49	830.35
			For Class 52 Rating, Deduct	-652.45	
			For Class 54 Rating, Add	904.80	
			For Class 55 Rating, Add	1,352.89	
			For Class 56 Rating, Add	1,795.05	
40 05 19 00-0189	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,368.03	835.41
			For Class 52 Rating, Deduct	-671.25	
			For Class 54 Rating, Add	930.53	
			For Class 55 Rating, Add	1,391.18	
			For Class 56 Rating, Add	1,845.73	
40 05 19 00-0190	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,546.57	840.47
			For Class 52 Rating, Deduct	-690.04	
			For Class 54 Rating, Add	956.25	
			For Class 55 Rating, Add	1,429.47	
			For Class 56 Rating, Add	1,896.42	
40 05 19 00-0191	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,725.12	845.53
			For Class 52 Rating, Deduct	-708.84	
			For Class 54 Rating, Add	981.97	
			For Class 55 Rating, Add	1,467.76	
			For Class 56 Rating, Add	1,947.10	
40 05 19 00-0192	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,903.65	850.60
			For Class 52 Rating, Deduct	-727.64	
			For Class 54 Rating, Add	1,007.70	
			For Class 55 Rating, Add	1,506.05	
			For Class 56 Rating, Add	1,997.78	
40 05 19 00-0193	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,082.21	855.66
			For Class 52 Rating, Deduct	-746.43	
			For Class 54 Rating, Add	1,033.42	
			For Class 55 Rating, Add	1,544.34	
			For Class 56 Rating, Add	2,048.47	
40 05 19 00-0194	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,260.75	860.73
			For Class 52 Rating, Deduct	-765.23	
			For Class 54 Rating, Add	1,059.14	
			For Class 55 Rating, Add	1,582.63	
			For Class 56 Rating, Add	2,099.15	
40 05 19 00-0195	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,439.30	865.79
			For Class 52 Rating, Deduct	-784.02	
			For Class 54 Rating, Add	1,084.87	
			For Class 55 Rating, Add	1,620.91	
			For Class 56 Rating, Add	2,149.83	
40 05 19 00-0196	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,617.83	870.85
			For Class 52 Rating, Deduct	-802.82	
			For Class 54 Rating, Add	1,110.59	
			For Class 55 Rating, Add	1,659.20	
			For Class 56 Rating, Add	2,200.52	
40 05 19 00-0197	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,796.38	875.92
			For Class 52 Rating, Deduct	-821.62	
			For Class 54 Rating, Add	1,136.31	
			For Class 55 Rating, Add	1,697.49	
			For Class 56 Rating, Add	2,251.20	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0198	EA	12" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,974.93	880.98
		<i>For Class 52 Rating, Deduct</i>	-840.41	
		<i>For Class 54 Rating, Add</i>	1,162.03	
		<i>For Class 55 Rating, Add</i>	1,735.78	
		<i>For Class 56 Rating, Add</i>	2,301.89	
40 05 19 00-0199	EA	12" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,153.47	886.04
		<i>For Class 52 Rating, Deduct</i>	-859.21	
		<i>For Class 54 Rating, Add</i>	1,187.76	
		<i>For Class 55 Rating, Add</i>	1,774.07	
		<i>For Class 56 Rating, Add</i>	2,352.57	
40 05 19 00-0200	EA	12" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,332.02	891.10
		<i>For Class 52 Rating, Deduct</i>	-878.00	
		<i>For Class 54 Rating, Add</i>	1,213.48	
		<i>For Class 55 Rating, Add</i>	1,812.36	
		<i>For Class 56 Rating, Add</i>	2,403.25	
40 05 19 00-0201	EA	12" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,510.56	896.16
		<i>For Class 52 Rating, Deduct</i>	-896.80	
		<i>For Class 54 Rating, Add</i>	1,239.20	
		<i>For Class 55 Rating, Add</i>	1,850.65	
		<i>For Class 56 Rating, Add</i>	2,453.94	
40 05 19 00-0202	EA	12" Flanged (FxF), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,689.10	901.24
		<i>For Class 52 Rating, Deduct</i>	-915.60	
		<i>For Class 54 Rating, Add</i>	1,264.93	
		<i>For Class 55 Rating, Add</i>	1,888.93	
		<i>For Class 56 Rating, Add</i>	2,504.62	

40 05 19 00-0203 14" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0204	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,851.87	850.60
		<i>For Class 52 Rating, Deduct</i>	-281.94	
		<i>For Class 54 Rating, Add</i>	399.93	
		<i>For Class 55 Rating, Add</i>	602.50	
		<i>For Class 56 Rating, Add</i>	802.51	
40 05 19 00-0205	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,067.87	855.66
		<i>For Class 52 Rating, Deduct</i>	-304.86	
		<i>For Class 54 Rating, Add</i>	431.27	
		<i>For Class 55 Rating, Add</i>	649.14	
		<i>For Class 56 Rating, Add</i>	864.24	
40 05 19 00-0206	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,283.87	860.73
		<i>For Class 52 Rating, Deduct</i>	-327.77	
		<i>For Class 54 Rating, Add</i>	462.61	
		<i>For Class 55 Rating, Add</i>	695.78	
		<i>For Class 56 Rating, Add</i>	925.97	
40 05 19 00-0207	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,499.87	865.79
		<i>For Class 52 Rating, Deduct</i>	-350.69	
		<i>For Class 54 Rating, Add</i>	493.95	
		<i>For Class 55 Rating, Add</i>	742.42	
		<i>For Class 56 Rating, Add</i>	987.70	
40 05 19 00-0208	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,715.85	870.85
		<i>For Class 52 Rating, Deduct</i>	-373.60	
		<i>For Class 54 Rating, Add</i>	525.29	
		<i>For Class 55 Rating, Add</i>	789.06	
		<i>For Class 56 Rating, Add</i>	1,049.43	
40 05 19 00-0209	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,931.85	875.92
		<i>For Class 52 Rating, Deduct</i>	-396.52	
		<i>For Class 54 Rating, Add</i>	556.63	
		<i>For Class 55 Rating, Add</i>	835.70	
		<i>For Class 56 Rating, Add</i>	1,111.17	
40 05 19 00-0210	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,147.85	880.98
		<i>For Class 52 Rating, Deduct</i>	-419.43	
		<i>For Class 54 Rating, Add</i>	587.97	
		<i>For Class 55 Rating, Add</i>	882.34	
		<i>For Class 56 Rating, Add</i>	1,172.90	
40 05 19 00-0211	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,363.85	886.04
		<i>For Class 52 Rating, Deduct</i>	-442.35	
		<i>For Class 54 Rating, Add</i>	619.31	
		<i>For Class 55 Rating, Add</i>	928.98	
		<i>For Class 56 Rating, Add</i>	1,234.63	
40 05 19 00-0212	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,579.84	891.10
		<i>For Class 52 Rating, Deduct</i>	-465.26	
		<i>For Class 54 Rating, Add</i>	650.65	
		<i>For Class 55 Rating, Add</i>	975.62	
		<i>For Class 56 Rating, Add</i>	1,296.36	
40 05 19 00-0213	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,795.84	896.16
		<i>For Class 52 Rating, Deduct</i>	-488.18	
		<i>For Class 54 Rating, Add</i>	682.00	
		<i>For Class 55 Rating, Add</i>	1,022.26	
		<i>For Class 56 Rating, Add</i>	1,358.09	
40 05 19 00-0214	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,011.83	901.24
		<i>For Class 52 Rating, Deduct</i>	-511.10	
		<i>For Class 54 Rating, Add</i>	713.34	
		<i>For Class 55 Rating, Add</i>	1,068.90	
		<i>For Class 56 Rating, Add</i>	1,419.83	
40 05 19 00-0215	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,227.82	906.30
		<i>For Class 52 Rating, Deduct</i>	-534.01	
		<i>For Class 54 Rating, Add</i>	744.68	
		<i>For Class 55 Rating, Add</i>	1,115.54	
		<i>For Class 56 Rating, Add</i>	1,481.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0216	EA		14" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,443.82	911.36
			For Class 52 Rating, Deduct	-556.93	
			For Class 54 Rating, Add	776.02	
			For Class 55 Rating, Add	1,162.18	
			For Class 56 Rating, Add	1,543.29	
40 05 19 00-0217	EA		14" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,659.82	916.42
			For Class 52 Rating, Deduct	-579.84	
			For Class 54 Rating, Add	807.36	
			For Class 55 Rating, Add	1,208.82	
			For Class 56 Rating, Add	1,605.02	
40 05 19 00-0218	EA		14" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,875.82	921.48
			For Class 52 Rating, Deduct	-602.76	
			For Class 54 Rating, Add	838.70	
			For Class 55 Rating, Add	1,255.47	
			For Class 56 Rating, Add	1,666.75	
40 05 19 00-0219	EA		14" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,091.80	926.54
			For Class 52 Rating, Deduct	-625.67	
			For Class 54 Rating, Add	870.04	
			For Class 55 Rating, Add	1,302.11	
			For Class 56 Rating, Add	1,728.48	
40 05 19 00-0220	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,307.80	931.61
			For Class 52 Rating, Deduct	-648.59	
			For Class 54 Rating, Add	901.38	
			For Class 55 Rating, Add	1,348.74	
			For Class 56 Rating, Add	1,790.21	
40 05 19 00-0221	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,523.80	936.67
			For Class 52 Rating, Deduct	-671.51	
			For Class 54 Rating, Add	932.72	
			For Class 55 Rating, Add	1,395.39	
			For Class 56 Rating, Add	1,851.95	
40 05 19 00-0222	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,739.80	941.73
			For Class 52 Rating, Deduct	-694.42	
			For Class 54 Rating, Add	964.06	
			For Class 55 Rating, Add	1,442.03	
			For Class 56 Rating, Add	1,913.68	
40 05 19 00-0223	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,955.79	946.80
			For Class 52 Rating, Deduct	-717.34	
			For Class 54 Rating, Add	995.40	
			For Class 55 Rating, Add	1,488.67	
			For Class 56 Rating, Add	1,975.41	
40 05 19 00-0224	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,171.78	951.86
			For Class 52 Rating, Deduct	-740.25	
			For Class 54 Rating, Add	1,026.74	
			For Class 55 Rating, Add	1,535.31	
			For Class 56 Rating, Add	2,037.14	
40 05 19 00-0225	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,387.78	956.93
			For Class 52 Rating, Deduct	-763.17	
			For Class 54 Rating, Add	1,058.08	
			For Class 55 Rating, Add	1,581.95	
			For Class 56 Rating, Add	2,098.87	
40 05 19 00-0226	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,603.77	961.99
			For Class 52 Rating, Deduct	-786.08	
			For Class 54 Rating, Add	1,089.42	
			For Class 55 Rating, Add	1,628.59	
			For Class 56 Rating, Add	2,160.61	
40 05 19 00-0227	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,819.77	967.05
			For Class 52 Rating, Deduct	-809.00	
			For Class 54 Rating, Add	1,120.76	
			For Class 55 Rating, Add	1,675.23	
			For Class 56 Rating, Add	2,222.34	
40 05 19 00-0228	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,035.77	972.11
			For Class 52 Rating, Deduct	-831.92	
			For Class 54 Rating, Add	1,152.11	
			For Class 55 Rating, Add	1,721.87	
			For Class 56 Rating, Add	2,284.07	
40 05 19 00-0229	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,251.76	977.17
			For Class 52 Rating, Deduct	-854.83	
			For Class 54 Rating, Add	1,183.45	
			For Class 55 Rating, Add	1,768.51	
			For Class 56 Rating, Add	2,345.80	
40 05 19 00-0230	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,467.75	982.24
			For Class 52 Rating, Deduct	-877.75	
			For Class 54 Rating, Add	1,214.79	
			For Class 55 Rating, Add	1,815.15	
			For Class 56 Rating, Add	2,407.53	
40 05 19 00-0231	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,683.75	987.31
			For Class 52 Rating, Deduct	-900.66	
			For Class 54 Rating, Add	1,246.13	
			For Class 55 Rating, Add	1,861.79	
			For Class 56 Rating, Add	2,469.27	
40 05 19 00-0232	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,899.75	992.37
			For Class 52 Rating, Deduct	-923.58	
			For Class 54 Rating, Add	1,277.47	
			For Class 55 Rating, Add	1,908.43	
			For Class 56 Rating, Add	2,531.00	
40 05 19 00-0233	EA		14" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,115.75	997.43
			For Class 52 Rating, Deduct	-946.49	
			For Class 54 Rating, Add	1,308.81	
			For Class 55 Rating, Add	1,955.07	
			For Class 56 Rating, Add	2,592.73	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0234	EA 14" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,331.73	1,002.49
	For Class 52 Rating, Deduct	-969.41	
	For Class 54 Rating, Add	1,340.15	
	For Class 55 Rating, Add	2,001.71	
	For Class 56 Rating, Add	2,654.46	
40 05 19 00-0235	EA 14" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,547.73	1,007.55
	For Class 52 Rating, Deduct	-992.32	
	For Class 54 Rating, Add	1,371.49	
	For Class 55 Rating, Add	2,048.35	
	For Class 56 Rating, Add	2,716.19	
40 05 19 00-0236	EA 14" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,763.73	1,012.62
	For Class 52 Rating, Deduct	-1,015.24	
	For Class 54 Rating, Add	1,402.83	
	For Class 55 Rating, Add	2,094.99	
	For Class 56 Rating, Add	2,777.92	
40 05 19 00-0237	EA 14" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,979.72	1,017.68
	For Class 52 Rating, Deduct	-1,038.16	
	For Class 54 Rating, Add	1,434.17	
	For Class 55 Rating, Add	2,141.63	
	For Class 56 Rating, Add	2,839.65	
40 05 19 00-0238	EA 14" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,195.72	1,022.74
	For Class 52 Rating, Deduct	-1,061.07	
	For Class 54 Rating, Add	1,465.51	
	For Class 55 Rating, Add	2,188.27	
	For Class 56 Rating, Add	2,901.39	
40 05 19 00-0239	EA 14" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,411.72	1,027.81
	For Class 52 Rating, Deduct	-1,083.99	
	For Class 54 Rating, Add	1,496.85	
	For Class 55 Rating, Add	2,234.91	
	For Class 56 Rating, Add	2,963.12	
40 05 19 00-0240	EA 14" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,627.72	1,032.87
	For Class 52 Rating, Deduct	-1,106.90	
	For Class 54 Rating, Add	1,528.19	
	For Class 55 Rating, Add	2,281.55	
	For Class 56 Rating, Add	3,024.85	
40 05 19 00-0241	EA 14" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,843.70	1,037.94
	For Class 52 Rating, Deduct	-1,129.82	
	For Class 54 Rating, Add	1,559.53	
	For Class 55 Rating, Add	2,328.19	
	For Class 56 Rating, Add	3,086.58	

**40 05 19 00-0242 16" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe**

(40 05 19 00-0002)

40 05 19 00-0243	EA 16" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,511.15	972.11
	For Class 52 Rating, Deduct	-334.21	
	For Class 54 Rating, Add	473.41	
	For Class 55 Rating, Add	712.88	
	For Class 56 Rating, Add	949.31	
40 05 19 00-0244	EA 16" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,762.26	977.17
	For Class 52 Rating, Deduct	-360.99	
	For Class 54 Rating, Add	510.02	
	For Class 55 Rating, Add	767.35	
	For Class 56 Rating, Add	1,021.40	
40 05 19 00-0245	EA 16" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,013.36	982.24
	For Class 52 Rating, Deduct	-387.76	
	For Class 54 Rating, Add	546.63	
	For Class 55 Rating, Add	821.82	
	For Class 56 Rating, Add	1,093.49	
40 05 19 00-0246	EA 16" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,264.47	987.31
	For Class 52 Rating, Deduct	-414.54	
	For Class 54 Rating, Add	583.23	
	For Class 55 Rating, Add	876.29	
	For Class 56 Rating, Add	1,165.58	
40 05 19 00-0247	EA 16" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,515.58	992.37
	For Class 52 Rating, Deduct	-441.32	
	For Class 54 Rating, Add	619.84	
	For Class 55 Rating, Add	930.76	
	For Class 56 Rating, Add	1,237.67	
40 05 19 00-0248	EA 16" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,766.69	997.43
	For Class 52 Rating, Deduct	-468.10	
	For Class 54 Rating, Add	656.45	
	For Class 55 Rating, Add	985.23	
	For Class 56 Rating, Add	1,309.76	
40 05 19 00-0249	EA 16" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,017.78	1,002.49
	For Class 52 Rating, Deduct	-494.87	
	For Class 54 Rating, Add	693.06	
	For Class 55 Rating, Add	1,039.70	
	For Class 56 Rating, Add	1,381.84	
40 05 19 00-0250	EA 16" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,268.90	1,007.55
	For Class 52 Rating, Deduct	-521.65	
	For Class 54 Rating, Add	729.66	
	For Class 55 Rating, Add	1,094.17	
	For Class 56 Rating, Add	1,453.94	
40 05 19 00-0251	EA 16" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,520.00	1,012.62
	For Class 52 Rating, Deduct	-548.43	
	For Class 54 Rating, Add	766.27	
	For Class 55 Rating, Add	1,148.64	
	For Class 56 Rating, Add	1,526.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0252	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,771.11	1,017.68
			For Class 52 Rating, Deduct	-575.21	
			For Class 54 Rating, Add	802.88	
			For Class 55 Rating, Add	1,203.11	
			For Class 56 Rating, Add	1,598.11	
40 05 19 00-0253	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,022.21	1,022.74
			For Class 52 Rating, Deduct	-601.99	
			For Class 54 Rating, Add	839.49	
			For Class 55 Rating, Add	1,257.58	
			For Class 56 Rating, Add	1,670.20	
40 05 19 00-0254	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,273.33	1,027.81
			For Class 52 Rating, Deduct	-628.76	
			For Class 54 Rating, Add	876.09	
			For Class 55 Rating, Add	1,312.05	
			For Class 56 Rating, Add	1,742.29	
40 05 19 00-0255	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,524.43	1,032.87
			For Class 52 Rating, Deduct	-655.54	
			For Class 54 Rating, Add	912.70	
			For Class 55 Rating, Add	1,366.52	
			For Class 56 Rating, Add	1,814.38	
40 05 19 00-0256	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,775.53	1,037.94
			For Class 52 Rating, Deduct	-682.32	
			For Class 54 Rating, Add	949.31	
			For Class 55 Rating, Add	1,420.99	
			For Class 56 Rating, Add	1,886.47	
40 05 19 00-0257	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,026.64	1,043.00
			For Class 52 Rating, Deduct	-709.10	
			For Class 54 Rating, Add	985.91	
			For Class 55 Rating, Add	1,475.46	
			For Class 56 Rating, Add	1,958.56	
40 05 19 00-0258	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,277.75	1,048.06
			For Class 52 Rating, Deduct	-735.88	
			For Class 54 Rating, Add	1,022.52	
			For Class 55 Rating, Add	1,529.93	
			For Class 56 Rating, Add	2,030.65	
40 05 19 00-0259	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,528.86	1,053.12
			For Class 52 Rating, Deduct	-762.65	
			For Class 54 Rating, Add	1,059.13	
			For Class 55 Rating, Add	1,584.40	
			For Class 56 Rating, Add	2,102.74	
40 05 19 00-0260	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,779.96	1,058.18
			For Class 52 Rating, Deduct	-789.43	
			For Class 54 Rating, Add	1,095.74	
			For Class 55 Rating, Add	1,638.87	
			For Class 56 Rating, Add	2,174.83	
40 05 19 00-0261	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,031.06	1,063.25
			For Class 52 Rating, Deduct	-816.21	
			For Class 54 Rating, Add	1,132.34	
			For Class 55 Rating, Add	1,693.34	
			For Class 56 Rating, Add	2,246.92	
40 05 19 00-0262	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,282.18	1,068.32
			For Class 52 Rating, Deduct	-842.99	
			For Class 54 Rating, Add	1,168.95	
			For Class 55 Rating, Add	1,747.81	
			For Class 56 Rating, Add	2,319.01	
40 05 19 00-0263	EA		16" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,533.27	1,073.38
			For Class 52 Rating, Deduct	-869.76	
			For Class 54 Rating, Add	1,205.56	
			For Class 55 Rating, Add	1,802.28	
			For Class 56 Rating, Add	2,391.10	
40 05 19 00-0264	EA		16" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,784.39	1,078.44
			For Class 52 Rating, Deduct	-896.54	
			For Class 54 Rating, Add	1,242.17	
			For Class 55 Rating, Add	1,856.75	
			For Class 56 Rating, Add	2,463.19	
40 05 19 00-0265	EA		16" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,035.49	1,083.50
			For Class 52 Rating, Deduct	-923.32	
			For Class 54 Rating, Add	1,278.77	
			For Class 55 Rating, Add	1,911.22	
			For Class 56 Rating, Add	2,535.28	
40 05 19 00-0266	EA		16" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,286.60	1,088.56
			For Class 52 Rating, Deduct	-950.10	
			For Class 54 Rating, Add	1,315.38	
			For Class 55 Rating, Add	1,965.69	
			For Class 56 Rating, Add	2,607.37	
40 05 19 00-0267	EA		16" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,537.70	1,093.63
			For Class 52 Rating, Deduct	-976.88	
			For Class 54 Rating, Add	1,351.99	
			For Class 55 Rating, Add	2,020.16	
			For Class 56 Rating, Add	2,679.46	
40 05 19 00-0268	EA		16" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,788.81	1,098.69
			For Class 52 Rating, Deduct	-1,003.65	
			For Class 54 Rating, Add	1,388.60	
			For Class 55 Rating, Add	2,074.63	
			For Class 56 Rating, Add	2,751.55	
40 05 19 00-0269	EA		16" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,039.92	1,103.75
			For Class 52 Rating, Deduct	-1,030.43	
			For Class 54 Rating, Add	1,425.20	
			For Class 55 Rating, Add	2,129.10	
			For Class 56 Rating, Add	2,823.64	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0270	EA	16" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,291.03	1,108.82
		<i>For Class 52 Rating, Deduct</i>	-1,057.21	
		<i>For Class 54 Rating, Add</i>	1,461.81	
		<i>For Class 55 Rating, Add</i>	2,183.57	
		<i>For Class 56 Rating, Add</i>	2,895.73	
40 05 19 00-0271	EA	16" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,542.12	1,113.88
		<i>For Class 52 Rating, Deduct</i>	-1,083.99	
		<i>For Class 54 Rating, Add</i>	1,498.42	
		<i>For Class 55 Rating, Add</i>	2,238.04	
		<i>For Class 56 Rating, Add</i>	2,967.81	
40 05 19 00-0272	EA	16" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,793.24	1,118.95
		<i>For Class 52 Rating, Deduct</i>	-1,110.77	
		<i>For Class 54 Rating, Add</i>	1,535.02	
		<i>For Class 55 Rating, Add</i>	2,292.51	
		<i>For Class 56 Rating, Add</i>	3,039.90	
40 05 19 00-0273	EA	16" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,044.34	1,124.01
		<i>For Class 52 Rating, Deduct</i>	-1,137.54	
		<i>For Class 54 Rating, Add</i>	1,571.63	
		<i>For Class 55 Rating, Add</i>	2,346.98	
		<i>For Class 56 Rating, Add</i>	3,111.99	
40 05 19 00-0274	EA	16" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,295.46	1,129.07
		<i>For Class 52 Rating, Deduct</i>	-1,164.32	
		<i>For Class 54 Rating, Add</i>	1,608.24	
		<i>For Class 55 Rating, Add</i>	2,401.45	
		<i>For Class 56 Rating, Add</i>	3,184.08	
40 05 19 00-0275	EA	16" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,546.55	1,134.13
		<i>For Class 52 Rating, Deduct</i>	-1,191.10	
		<i>For Class 54 Rating, Add</i>	1,644.85	
		<i>For Class 55 Rating, Add</i>	2,455.92	
		<i>For Class 56 Rating, Add</i>	3,256.17	
40 05 19 00-0276	EA	16" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,797.66	1,139.19
		<i>For Class 52 Rating, Deduct</i>	-1,217.88	
		<i>For Class 54 Rating, Add</i>	1,681.45	
		<i>For Class 55 Rating, Add</i>	2,510.39	
		<i>For Class 56 Rating, Add</i>	3,328.26	
40 05 19 00-0277	EA	16" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,048.77	1,144.26
		<i>For Class 52 Rating, Deduct</i>	-1,244.65	
		<i>For Class 54 Rating, Add</i>	1,718.06	
		<i>For Class 55 Rating, Add</i>	2,564.86	
		<i>For Class 56 Rating, Add</i>	3,400.35	
40 05 19 00-0278	EA	16" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,299.87	1,149.32
		<i>For Class 52 Rating, Deduct</i>	-1,271.43	
		<i>For Class 54 Rating, Add</i>	1,754.67	
		<i>For Class 55 Rating, Add</i>	2,619.33	
		<i>For Class 56 Rating, Add</i>	3,472.44	
40 05 19 00-0279	EA	16" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,550.98	1,154.39
		<i>For Class 52 Rating, Deduct</i>	-1,298.21	
		<i>For Class 54 Rating, Add</i>	1,791.28	
		<i>For Class 55 Rating, Add</i>	2,673.80	
		<i>For Class 56 Rating, Add</i>	3,544.53	
40 05 19 00-0280	EA	16" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,802.09	1,159.45
		<i>For Class 52 Rating, Deduct</i>	-1,324.99	
		<i>For Class 54 Rating, Add</i>	1,827.88	
		<i>For Class 55 Rating, Add</i>	2,728.27	
		<i>For Class 56 Rating, Add</i>	3,616.62	

40 05 19 00-0281 18" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0282	EA	18" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,241.38	1,095.65
		<i>For Class 52 Rating, Deduct</i>	-393.94	
		<i>For Class 54 Rating, Add</i>	557.12	
		<i>For Class 55 Rating, Add</i>	838.47	
		<i>For Class 56 Rating, Add</i>	1,116.25	
40 05 19 00-0283	EA	18" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,529.94	1,100.71
		<i>For Class 52 Rating, Deduct</i>	-424.84	
		<i>For Class 54 Rating, Add</i>	599.34	
		<i>For Class 55 Rating, Add</i>	901.29	
		<i>For Class 56 Rating, Add</i>	1,199.39	
40 05 19 00-0284	EA	18" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,818.50	1,105.78
		<i>For Class 52 Rating, Deduct</i>	-455.74	
		<i>For Class 54 Rating, Add</i>	641.57	
		<i>For Class 55 Rating, Add</i>	964.11	
		<i>For Class 56 Rating, Add</i>	1,282.52	
40 05 19 00-0285	EA	18" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,107.05	1,110.85
		<i>For Class 52 Rating, Deduct</i>	-486.64	
		<i>For Class 54 Rating, Add</i>	683.79	
		<i>For Class 55 Rating, Add</i>	1,026.94	
		<i>For Class 56 Rating, Add</i>	1,365.66	
40 05 19 00-0286	EA	18" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,395.61	1,115.91
		<i>For Class 52 Rating, Deduct</i>	-517.53	
		<i>For Class 54 Rating, Add</i>	726.02	
		<i>For Class 55 Rating, Add</i>	1,089.76	
		<i>For Class 56 Rating, Add</i>	1,448.80	
40 05 19 00-0287	EA	18" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,684.17	1,120.97
		<i>For Class 52 Rating, Deduct</i>	-548.43	
		<i>For Class 54 Rating, Add</i>	768.24	
		<i>For Class 55 Rating, Add</i>	1,152.58	
		<i>For Class 56 Rating, Add</i>	1,531.93	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0288	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,972.73	1,126.03
			For Class 52 Rating, Deduct	-579.33	
			For Class 54 Rating, Add	810.47	
			For Class 55 Rating, Add	1,215.40	
			For Class 56 Rating, Add	1,615.07	
40 05 19 00-0289	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,261.29	1,131.09
			For Class 52 Rating, Deduct	-610.23	
			For Class 54 Rating, Add	852.69	
			For Class 55 Rating, Add	1,278.23	
			For Class 56 Rating, Add	1,698.21	
40 05 19 00-0290	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,549.84	1,136.16
			For Class 52 Rating, Deduct	-641.12	
			For Class 54 Rating, Add	894.92	
			For Class 55 Rating, Add	1,341.05	
			For Class 56 Rating, Add	1,781.35	
40 05 19 00-0291	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,838.40	1,141.22
			For Class 52 Rating, Deduct	-672.02	
			For Class 54 Rating, Add	937.14	
			For Class 55 Rating, Add	1,403.87	
			For Class 56 Rating, Add	1,864.49	
40 05 19 00-0292	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,126.97	1,146.28
			For Class 52 Rating, Deduct	-702.92	
			For Class 54 Rating, Add	979.37	
			For Class 55 Rating, Add	1,466.69	
			For Class 56 Rating, Add	1,947.62	
40 05 19 00-0293	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,415.51	1,151.35
			For Class 52 Rating, Deduct	-733.82	
			For Class 54 Rating, Add	1,021.59	
			For Class 55 Rating, Add	1,529.51	
			For Class 56 Rating, Add	2,030.76	
40 05 19 00-0294	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,704.08	1,156.41
			For Class 52 Rating, Deduct	-764.71	
			For Class 54 Rating, Add	1,063.82	
			For Class 55 Rating, Add	1,592.33	
			For Class 56 Rating, Add	2,113.90	
40 05 19 00-0295	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,992.63	1,161.48
			For Class 52 Rating, Deduct	-795.61	
			For Class 54 Rating, Add	1,106.04	
			For Class 55 Rating, Add	1,655.15	
			For Class 56 Rating, Add	2,197.04	
40 05 19 00-0296	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,281.19	1,166.54
			For Class 52 Rating, Deduct	-826.51	
			For Class 54 Rating, Add	1,148.27	
			For Class 55 Rating, Add	1,717.98	
			For Class 56 Rating, Add	2,280.17	
40 05 19 00-0297	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,569.75	1,171.60
			For Class 52 Rating, Deduct	-857.41	
			For Class 54 Rating, Add	1,190.49	
			For Class 55 Rating, Add	1,780.80	
			For Class 56 Rating, Add	2,363.31	
40 05 19 00-0298	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,858.30	1,176.66
			For Class 52 Rating, Deduct	-888.30	
			For Class 54 Rating, Add	1,232.72	
			For Class 55 Rating, Add	1,843.62	
			For Class 56 Rating, Add	2,446.45	
40 05 19 00-0299	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,146.87	1,181.72
			For Class 52 Rating, Deduct	-919.20	
			For Class 54 Rating, Add	1,274.94	
			For Class 55 Rating, Add	1,906.44	
			For Class 56 Rating, Add	2,529.59	
40 05 19 00-0300	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,435.42	1,186.79
			For Class 52 Rating, Deduct	-950.10	
			For Class 54 Rating, Add	1,317.17	
			For Class 55 Rating, Add	1,969.26	
			For Class 56 Rating, Add	2,612.73	
40 05 19 00-0301	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,723.97	1,191.85
			For Class 52 Rating, Deduct	-981.00	
			For Class 54 Rating, Add	1,359.39	
			For Class 55 Rating, Add	2,032.09	
			For Class 56 Rating, Add	2,695.86	
40 05 19 00-0302	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,012.54	1,196.92
			For Class 52 Rating, Deduct	-1,011.89	
			For Class 54 Rating, Add	1,401.62	
			For Class 55 Rating, Add	2,094.91	
			For Class 56 Rating, Add	2,779.00	
40 05 19 00-0303	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,301.10	1,201.98
			For Class 52 Rating, Deduct	-1,042.79	
			For Class 54 Rating, Add	1,443.84	
			For Class 55 Rating, Add	2,157.73	
			For Class 56 Rating, Add	2,862.14	
40 05 19 00-0304	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,589.65	1,207.04
			For Class 52 Rating, Deduct	-1,073.69	
			For Class 54 Rating, Add	1,486.07	
			For Class 55 Rating, Add	2,220.55	
			For Class 56 Rating, Add	2,945.27	
40 05 19 00-0305	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,878.21	1,212.10
			For Class 52 Rating, Deduct	-1,104.59	
			For Class 54 Rating, Add	1,528.29	
			For Class 55 Rating, Add	2,283.37	
			For Class 56 Rating, Add	3,028.41	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0306	EA	18" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,166.78	1,217.17
		<i>For Class 52 Rating, Deduct</i>	-1,135.48	
		<i>For Class 54 Rating, Add</i>	1,570.52	
		<i>For Class 55 Rating, Add</i>	2,346.20	
		<i>For Class 56 Rating, Add</i>	3,111.55	
40 05 19 00-0307	EA	18" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,455.33	1,222.23
		<i>For Class 52 Rating, Deduct</i>	-1,166.38	
		<i>For Class 54 Rating, Add</i>	1,612.74	
		<i>For Class 55 Rating, Add</i>	2,409.02	
		<i>For Class 56 Rating, Add</i>	3,194.69	
40 05 19 00-0308	EA	18" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,743.88	1,227.29
		<i>For Class 52 Rating, Deduct</i>	-1,197.28	
		<i>For Class 54 Rating, Add</i>	1,654.97	
		<i>For Class 55 Rating, Add</i>	2,471.84	
		<i>For Class 56 Rating, Add</i>	3,277.83	
40 05 19 00-0309	EA	18" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,032.44	1,232.35
		<i>For Class 52 Rating, Deduct</i>	-1,228.18	
		<i>For Class 54 Rating, Add</i>	1,697.19	
		<i>For Class 55 Rating, Add</i>	2,534.66	
		<i>For Class 56 Rating, Add</i>	3,360.96	
40 05 19 00-0310	EA	18" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,321.00	1,237.42
		<i>For Class 52 Rating, Deduct</i>	-1,259.07	
		<i>For Class 54 Rating, Add</i>	1,739.42	
		<i>For Class 55 Rating, Add</i>	2,597.48	
		<i>For Class 56 Rating, Add</i>	3,444.10	
40 05 19 00-0311	EA	18" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,609.56	1,242.49
		<i>For Class 52 Rating, Deduct</i>	-1,289.97	
		<i>For Class 54 Rating, Add</i>	1,781.64	
		<i>For Class 55 Rating, Add</i>	2,660.30	
		<i>For Class 56 Rating, Add</i>	3,527.24	
40 05 19 00-0312	EA	18" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,898.11	1,247.55
		<i>For Class 52 Rating, Deduct</i>	-1,320.87	
		<i>For Class 54 Rating, Add</i>	1,823.87	
		<i>For Class 55 Rating, Add</i>	2,723.12	
		<i>For Class 56 Rating, Add</i>	3,610.38	
40 05 19 00-0313	EA	18" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,186.67	1,252.61
		<i>For Class 52 Rating, Deduct</i>	-1,351.77	
		<i>For Class 54 Rating, Add</i>	1,866.09	
		<i>For Class 55 Rating, Add</i>	2,785.95	
		<i>For Class 56 Rating, Add</i>	3,693.51	
40 05 19 00-0314	EA	18" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,475.24	1,257.67
		<i>For Class 52 Rating, Deduct</i>	-1,382.66	
		<i>For Class 54 Rating, Add</i>	1,908.32	
		<i>For Class 55 Rating, Add</i>	2,848.77	
		<i>For Class 56 Rating, Add</i>	3,776.65	
40 05 19 00-0315	EA	18" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,763.78	1,262.73
		<i>For Class 52 Rating, Deduct</i>	-1,413.56	
		<i>For Class 54 Rating, Add</i>	1,950.54	
		<i>For Class 55 Rating, Add</i>	2,911.59	
		<i>For Class 56 Rating, Add</i>	3,859.79	
40 05 19 00-0316	EA	18" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,052.35	1,267.80
		<i>For Class 52 Rating, Deduct</i>	-1,444.46	
		<i>For Class 54 Rating, Add</i>	1,992.77	
		<i>For Class 55 Rating, Add</i>	2,974.41	
		<i>For Class 56 Rating, Add</i>	3,942.93	
40 05 19 00-0317	EA	18" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,340.91	1,272.86
		<i>For Class 52 Rating, Deduct</i>	-1,475.36	
		<i>For Class 54 Rating, Add</i>	2,034.99	
		<i>For Class 55 Rating, Add</i>	3,037.24	
		<i>For Class 56 Rating, Add</i>	4,026.07	
40 05 19 00-0318	EA	18" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,629.46	1,277.93
		<i>For Class 52 Rating, Deduct</i>	-1,506.25	
		<i>For Class 54 Rating, Add</i>	2,077.22	
		<i>For Class 55 Rating, Add</i>	3,100.06	
		<i>For Class 56 Rating, Add</i>	4,109.20	
40 05 19 00-0319	EA	18" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,918.02	1,282.99
		<i>For Class 52 Rating, Deduct</i>	-1,537.15	
		<i>For Class 54 Rating, Add</i>	2,119.44	
		<i>For Class 55 Rating, Add</i>	3,162.88	
		<i>For Class 56 Rating, Add</i>	4,192.34	

40 05 19 00-0320 20" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat,  
Ductile Iron Pipe (40 05 19 00-0002)

40 05 19 00-0321	EA	20" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,129.18	1,250.59
		<i>For Class 52 Rating, Deduct</i>	-465.78	
		<i>For Class 54 Rating, Add</i>	657.89	
		<i>For Class 55 Rating, Add</i>	989.74	
		<i>For Class 56 Rating, Add</i>	1,317.35	
40 05 19 00-0322	EA	20" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,459.88	1,255.65
		<i>For Class 52 Rating, Deduct</i>	-501.31	
		<i>For Class 54 Rating, Add</i>	706.44	
		<i>For Class 55 Rating, Add</i>	1,061.96	
		<i>For Class 56 Rating, Add</i>	1,412.92	
40 05 19 00-0323	EA	20" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,790.56	1,260.71
		<i>For Class 52 Rating, Deduct</i>	-536.84	
		<i>For Class 54 Rating, Add</i>	754.98	
		<i>For Class 55 Rating, Add</i>	1,134.17	
		<i>For Class 56 Rating, Add</i>	1,508.48	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0324	EA		20" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,121.26	1,265.77
			For Class 52 Rating, Deduct	-572.38	
			For Class 54 Rating, Add	803.53	
			For Class 55 Rating, Add	1,206.39	
			For Class 56 Rating, Add	1,604.05	
40 05 19 00-0325	EA		20" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,451.95	1,270.83
			For Class 52 Rating, Deduct	-607.91	
			For Class 54 Rating, Add	852.07	
			For Class 55 Rating, Add	1,278.61	
			For Class 56 Rating, Add	1,699.62	
40 05 19 00-0326	EA		20" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,782.64	1,275.89
			For Class 52 Rating, Deduct	-643.44	
			For Class 54 Rating, Add	900.62	
			For Class 55 Rating, Add	1,350.83	
			For Class 56 Rating, Add	1,795.19	
40 05 19 00-0327	EA		20" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,113.33	1,280.97
			For Class 52 Rating, Deduct	-678.97	
			For Class 54 Rating, Add	949.16	
			For Class 55 Rating, Add	1,423.04	
			For Class 56 Rating, Add	1,890.75	
40 05 19 00-0328	EA		20" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,444.02	1,286.03
			For Class 52 Rating, Deduct	-714.51	
			For Class 54 Rating, Add	997.71	
			For Class 55 Rating, Add	1,495.26	
			For Class 56 Rating, Add	1,986.32	
40 05 19 00-0329	EA		20" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,774.72	1,291.09
			For Class 52 Rating, Deduct	-750.04	
			For Class 54 Rating, Add	1,046.25	
			For Class 55 Rating, Add	1,567.48	
			For Class 56 Rating, Add	2,081.89	
40 05 19 00-0330	EA		20" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,105.41	1,296.15
			For Class 52 Rating, Deduct	-785.57	
			For Class 54 Rating, Add	1,094.80	
			For Class 55 Rating, Add	1,639.70	
			For Class 56 Rating, Add	2,177.45	
40 05 19 00-0331	EA		20" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,436.09	1,301.21
			For Class 52 Rating, Deduct	-821.10	
			For Class 54 Rating, Add	1,143.34	
			For Class 55 Rating, Add	1,711.91	
			For Class 56 Rating, Add	2,273.02	
40 05 19 00-0332	EA		20" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,766.79	1,306.28
			For Class 52 Rating, Deduct	-856.63	
			For Class 54 Rating, Add	1,191.89	
			For Class 55 Rating, Add	1,784.13	
			For Class 56 Rating, Add	2,368.59	
40 05 19 00-0333	EA		20" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,097.47	1,311.34
			For Class 52 Rating, Deduct	-892.16	
			For Class 54 Rating, Add	1,240.43	
			For Class 55 Rating, Add	1,856.35	
			For Class 56 Rating, Add	2,464.15	
40 05 19 00-0334	EA		20" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,428.16	1,316.40
			For Class 52 Rating, Deduct	-927.70	
			For Class 54 Rating, Add	1,288.98	
			For Class 55 Rating, Add	1,928.56	
			For Class 56 Rating, Add	2,559.72	
40 05 19 00-0335	EA		20" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,758.85	1,321.47
			For Class 52 Rating, Deduct	-963.23	
			For Class 54 Rating, Add	1,337.52	
			For Class 55 Rating, Add	2,000.78	
			For Class 56 Rating, Add	2,655.29	
40 05 19 00-0336	EA		20" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,089.55	1,326.53
			For Class 52 Rating, Deduct	-998.76	
			For Class 54 Rating, Add	1,386.07	
			For Class 55 Rating, Add	2,073.00	
			For Class 56 Rating, Add	2,750.85	
40 05 19 00-0337	EA		20" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,420.24	1,331.60
			For Class 52 Rating, Deduct	-1,034.29	
			For Class 54 Rating, Add	1,434.61	
			For Class 55 Rating, Add	2,145.22	
			For Class 56 Rating, Add	2,846.42	
40 05 19 00-0338	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,750.92	1,336.66
			For Class 52 Rating, Deduct	-1,069.83	
			For Class 54 Rating, Add	1,483.16	
			For Class 55 Rating, Add	2,217.43	
			For Class 56 Rating, Add	2,941.99	
40 05 19 00-0339	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,081.62	1,341.72
			For Class 52 Rating, Deduct	-1,105.36	
			For Class 54 Rating, Add	1,531.70	
			For Class 55 Rating, Add	2,289.65	
			For Class 56 Rating, Add	3,037.55	
40 05 19 00-0340	EA		20" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,412.31	1,346.78
			For Class 52 Rating, Deduct	-1,140.89	
			For Class 54 Rating, Add	1,580.25	
			For Class 55 Rating, Add	2,361.87	
			For Class 56 Rating, Add	3,133.12	
40 05 19 00-0341	EA		20" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,743.01	1,351.84
			For Class 52 Rating, Deduct	-1,176.42	
			For Class 54 Rating, Add	1,628.79	
			For Class 55 Rating, Add	2,434.09	
			For Class 56 Rating, Add	3,228.69	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0342	EA		20" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,073.69	1,356.90
			<i>For Class 52 Rating, Deduct</i>	-1,211.95	
			<i>For Class 54 Rating, Add</i>	1,677.34	
			<i>For Class 55 Rating, Add</i>	2,506.30	
			<i>For Class 56 Rating, Add</i>	3,324.26	
40 05 19 00-0343	EA		20" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,404.38	1,361.98
			<i>For Class 52 Rating, Deduct</i>	-1,247.49	
			<i>For Class 54 Rating, Add</i>	1,725.88	
			<i>For Class 55 Rating, Add</i>	2,578.52	
			<i>For Class 56 Rating, Add</i>	3,419.82	
40 05 19 00-0344	EA		20" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,735.08	1,367.04
			<i>For Class 52 Rating, Deduct</i>	-1,283.02	
			<i>For Class 54 Rating, Add</i>	1,774.43	
			<i>For Class 55 Rating, Add</i>	2,650.74	
			<i>For Class 56 Rating, Add</i>	3,515.39	
40 05 19 00-0345	EA		20" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,065.77	1,372.10
			<i>For Class 52 Rating, Deduct</i>	-1,318.55	
			<i>For Class 54 Rating, Add</i>	1,822.97	
			<i>For Class 55 Rating, Add</i>	2,722.96	
			<i>For Class 56 Rating, Add</i>	3,610.96	
40 05 19 00-0346	EA		20" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,396.46	1,377.16
			<i>For Class 52 Rating, Deduct</i>	-1,354.08	
			<i>For Class 54 Rating, Add</i>	1,871.52	
			<i>For Class 55 Rating, Add</i>	2,795.18	
			<i>For Class 56 Rating, Add</i>	3,706.52	
40 05 19 00-0347	EA		20" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,727.15	1,382.22
			<i>For Class 52 Rating, Deduct</i>	-1,389.62	
			<i>For Class 54 Rating, Add</i>	1,920.06	
			<i>For Class 55 Rating, Add</i>	2,867.39	
			<i>For Class 56 Rating, Add</i>	3,802.09	
40 05 19 00-0348	EA		20" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,057.84	1,387.29
			<i>For Class 52 Rating, Deduct</i>	-1,425.15	
			<i>For Class 54 Rating, Add</i>	1,968.61	
			<i>For Class 55 Rating, Add</i>	2,939.61	
			<i>For Class 56 Rating, Add</i>	3,897.66	
40 05 19 00-0349	EA		20" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,388.52	1,392.35
			<i>For Class 52 Rating, Deduct</i>	-1,460.68	
			<i>For Class 54 Rating, Add</i>	2,017.15	
			<i>For Class 55 Rating, Add</i>	3,011.83	
			<i>For Class 56 Rating, Add</i>	3,993.22	
40 05 19 00-0350	EA		20" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,719.21	1,397.41
			<i>For Class 52 Rating, Deduct</i>	-1,496.21	
			<i>For Class 54 Rating, Add</i>	2,065.70	
			<i>For Class 55 Rating, Add</i>	3,084.04	
			<i>For Class 56 Rating, Add</i>	4,088.79	
40 05 19 00-0351	EA		20" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,049.91	1,402.48
			<i>For Class 52 Rating, Deduct</i>	-1,531.74	
			<i>For Class 54 Rating, Add</i>	2,114.24	
			<i>For Class 55 Rating, Add</i>	3,156.26	
			<i>For Class 56 Rating, Add</i>	4,184.36	
40 05 19 00-0352	EA		20" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,380.60	1,407.54
			<i>For Class 52 Rating, Deduct</i>	-1,567.28	
			<i>For Class 54 Rating, Add</i>	2,162.79	
			<i>For Class 55 Rating, Add</i>	3,228.48	
			<i>For Class 56 Rating, Add</i>	4,279.92	
40 05 19 00-0353	EA		20" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,711.28	1,412.61
			<i>For Class 52 Rating, Deduct</i>	-1,602.81	
			<i>For Class 54 Rating, Add</i>	2,211.33	
			<i>For Class 55 Rating, Add</i>	3,300.70	
			<i>For Class 56 Rating, Add</i>	4,375.49	
40 05 19 00-0354	EA		20" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,041.98	1,417.67
			<i>For Class 52 Rating, Deduct</i>	-1,638.34	
			<i>For Class 54 Rating, Add</i>	2,259.88	
			<i>For Class 55 Rating, Add</i>	3,372.91	
			<i>For Class 56 Rating, Add</i>	4,471.06	
40 05 19 00-0355	EA		20" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,372.67	1,422.73
			<i>For Class 52 Rating, Deduct</i>	-1,673.87	
			<i>For Class 54 Rating, Add</i>	2,308.42	
			<i>For Class 55 Rating, Add</i>	3,445.13	
			<i>For Class 56 Rating, Add</i>	4,566.62	
40 05 19 00-0356	EA		20" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,703.37	1,427.79
			<i>For Class 52 Rating, Deduct</i>	-1,709.40	
			<i>For Class 54 Rating, Add</i>	2,356.97	
			<i>For Class 55 Rating, Add</i>	3,517.35	
			<i>For Class 56 Rating, Add</i>	4,662.19	
40 05 19 00-0357	EA		20" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,034.05	1,432.85
			<i>For Class 52 Rating, Deduct</i>	-1,744.94	
			<i>For Class 54 Rating, Add</i>	2,405.51	
			<i>For Class 55 Rating, Add</i>	3,589.57	
			<i>For Class 56 Rating, Add</i>	4,757.76	
40 05 19 00-0358	EA		20" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,364.74	1,437.91
			<i>For Class 52 Rating, Deduct</i>	-1,780.47	
			<i>For Class 54 Rating, Add</i>	2,454.06	
			<i>For Class 55 Rating, Add</i>	3,661.78	
			<i>For Class 56 Rating, Add</i>	4,853.33	

40 05 19 00-0359      24" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0360	EA		24" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,525.39	1,478.42
			<i>For Class 52 Rating, Deduct</i>	-581.39	
			<i>For Class 54 Rating, Add</i>	819.68	
			<i>For Class 55 Rating, Add</i>	1,232.39	
			<i>For Class 56 Rating, Add</i>	1,639.82	
40 05 19 00-0361	EA		24" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	7,933.32	1,483.48
			<i>For Class 52 Rating, Deduct</i>	-625.42	
			<i>For Class 54 Rating, Add</i>	879.81	
			<i>For Class 55 Rating, Add</i>	1,321.84	
			<i>For Class 56 Rating, Add</i>	1,758.17	
40 05 19 00-0362	EA		24" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,341.25	1,488.55
			<i>For Class 52 Rating, Deduct</i>	-669.45	
			<i>For Class 54 Rating, Add</i>	939.95	
			<i>For Class 55 Rating, Add</i>	1,411.28	
			<i>For Class 56 Rating, Add</i>	1,876.53	
40 05 19 00-0363	EA		24" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	8,749.19	1,493.62
			<i>For Class 52 Rating, Deduct</i>	-713.48	
			<i>For Class 54 Rating, Add</i>	1,000.08	
			<i>For Class 55 Rating, Add</i>	1,500.72	
			<i>For Class 56 Rating, Add</i>	1,994.88	
40 05 19 00-0364	EA		24" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,157.12	1,498.68
			<i>For Class 52 Rating, Deduct</i>	-757.50	
			<i>For Class 54 Rating, Add</i>	1,060.21	
			<i>For Class 55 Rating, Add</i>	1,590.16	
			<i>For Class 56 Rating, Add</i>	2,113.23	
40 05 19 00-0365	EA		24" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,565.05	1,503.74
			<i>For Class 52 Rating, Deduct</i>	-801.53	
			<i>For Class 54 Rating, Add</i>	1,120.34	
			<i>For Class 55 Rating, Add</i>	1,679.61	
			<i>For Class 56 Rating, Add</i>	2,231.59	
40 05 19 00-0366	EA		24" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	9,972.98	1,508.80
			<i>For Class 52 Rating, Deduct</i>	-845.56	
			<i>For Class 54 Rating, Add</i>	1,180.47	
			<i>For Class 55 Rating, Add</i>	1,769.05	
			<i>For Class 56 Rating, Add</i>	2,349.94	
40 05 19 00-0367	EA		24" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,380.93	1,513.86
			<i>For Class 52 Rating, Deduct</i>	-889.59	
			<i>For Class 54 Rating, Add</i>	1,240.60	
			<i>For Class 55 Rating, Add</i>	1,858.49	
			<i>For Class 56 Rating, Add</i>	2,468.30	
40 05 19 00-0368	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	10,788.86	1,518.92
			<i>For Class 52 Rating, Deduct</i>	-933.62	
			<i>For Class 54 Rating, Add</i>	1,300.73	
			<i>For Class 55 Rating, Add</i>	1,947.94	
			<i>For Class 56 Rating, Add</i>	2,586.65	
40 05 19 00-0369	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,196.78	1,523.99
			<i>For Class 52 Rating, Deduct</i>	-977.65	
			<i>For Class 54 Rating, Add</i>	1,360.87	
			<i>For Class 55 Rating, Add</i>	2,037.38	
			<i>For Class 56 Rating, Add</i>	2,705.00	
40 05 19 00-0370	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,604.73	1,529.06
			<i>For Class 52 Rating, Deduct</i>	-1,021.68	
			<i>For Class 54 Rating, Add</i>	1,421.00	
			<i>For Class 55 Rating, Add</i>	2,126.82	
			<i>For Class 56 Rating, Add</i>	2,823.36	
40 05 19 00-0371	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,012.66	1,534.12
			<i>For Class 52 Rating, Deduct</i>	-1,065.71	
			<i>For Class 54 Rating, Add</i>	1,481.13	
			<i>For Class 55 Rating, Add</i>	2,216.26	
			<i>For Class 56 Rating, Add</i>	2,941.71	
40 05 19 00-0372	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,420.60	1,539.18
			<i>For Class 52 Rating, Deduct</i>	-1,109.74	
			<i>For Class 54 Rating, Add</i>	1,541.26	
			<i>For Class 55 Rating, Add</i>	2,305.71	
			<i>For Class 56 Rating, Add</i>	3,060.06	
40 05 19 00-0373	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,828.53	1,544.24
			<i>For Class 52 Rating, Deduct</i>	-1,153.76	
			<i>For Class 54 Rating, Add</i>	1,601.39	
			<i>For Class 55 Rating, Add</i>	2,395.15	
			<i>For Class 56 Rating, Add</i>	3,178.42	
40 05 19 00-0374	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,236.46	1,549.31
			<i>For Class 52 Rating, Deduct</i>	-1,197.79	
			<i>For Class 54 Rating, Add</i>	1,661.52	
			<i>For Class 55 Rating, Add</i>	2,484.59	
			<i>For Class 56 Rating, Add</i>	3,296.77	
40 05 19 00-0375	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,644.40	1,554.37
			<i>For Class 52 Rating, Deduct</i>	-1,241.82	
			<i>For Class 54 Rating, Add</i>	1,721.65	
			<i>For Class 55 Rating, Add</i>	2,574.03	
			<i>For Class 56 Rating, Add</i>	3,415.12	
40 05 19 00-0376	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,052.33	1,559.43
			<i>For Class 52 Rating, Deduct</i>	-1,285.85	
			<i>For Class 54 Rating, Add</i>	1,781.79	
			<i>For Class 55 Rating, Add</i>	2,663.48	
			<i>For Class 56 Rating, Add</i>	3,533.48	
40 05 19 00-0377	EA		24" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,460.27	1,564.49
			<i>For Class 52 Rating, Deduct</i>	-1,329.88	
			<i>For Class 54 Rating, Add</i>	1,841.92	
			<i>For Class 55 Rating, Add</i>	2,752.92	
			<i>For Class 56 Rating, Add</i>	3,651.83	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0378	EA		24" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,868.20	1,569.56
			<i>For Class 52 Rating, Deduct</i>	-1,373.91	
			<i>For Class 54 Rating, Add</i>	1,902.05	
			<i>For Class 55 Rating, Add</i>	2,842.36	
			<i>For Class 56 Rating, Add</i>	3,770.19	
40 05 19 00-0379	EA		24" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,276.13	1,574.63
			<i>For Class 52 Rating, Deduct</i>	-1,417.94	
			<i>For Class 54 Rating, Add</i>	1,962.18	
			<i>For Class 55 Rating, Add</i>	2,931.80	
			<i>For Class 56 Rating, Add</i>	3,888.54	
40 05 19 00-0380	EA		24" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,684.07	1,579.69
			<i>For Class 52 Rating, Deduct</i>	-1,461.97	
			<i>For Class 54 Rating, Add</i>	2,022.31	
			<i>For Class 55 Rating, Add</i>	3,021.25	
			<i>For Class 56 Rating, Add</i>	4,006.89	
40 05 19 00-0381	EA		24" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,092.00	1,584.75
			<i>For Class 52 Rating, Deduct</i>	-1,506.00	
			<i>For Class 54 Rating, Add</i>	2,082.44	
			<i>For Class 55 Rating, Add</i>	3,110.69	
			<i>For Class 56 Rating, Add</i>	4,125.25	
40 05 19 00-0382	EA		24" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,499.94	1,589.81
			<i>For Class 52 Rating, Deduct</i>	-1,550.02	
			<i>For Class 54 Rating, Add</i>	2,142.58	
			<i>For Class 55 Rating, Add</i>	3,200.13	
			<i>For Class 56 Rating, Add</i>	4,243.60	
40 05 19 00-0383	EA		24" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,907.88	1,594.87
			<i>For Class 52 Rating, Deduct</i>	-1,594.05	
			<i>For Class 54 Rating, Add</i>	2,202.71	
			<i>For Class 55 Rating, Add</i>	3,289.58	
			<i>For Class 56 Rating, Add</i>	4,361.96	
40 05 19 00-0384	EA		24" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,315.80	1,599.94
			<i>For Class 52 Rating, Deduct</i>	-1,638.08	
			<i>For Class 54 Rating, Add</i>	2,262.84	
			<i>For Class 55 Rating, Add</i>	3,379.02	
			<i>For Class 56 Rating, Add</i>	4,480.31	
40 05 19 00-0385	EA		24" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,723.74	1,605.00
			<i>For Class 52 Rating, Deduct</i>	-1,682.11	
			<i>For Class 54 Rating, Add</i>	2,322.97	
			<i>For Class 55 Rating, Add</i>	3,468.46	
			<i>For Class 56 Rating, Add</i>	4,598.66	
40 05 19 00-0386	EA		24" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,131.68	1,610.06
			<i>For Class 52 Rating, Deduct</i>	-1,726.14	
			<i>For Class 54 Rating, Add</i>	2,383.10	
			<i>For Class 55 Rating, Add</i>	3,557.91	
			<i>For Class 56 Rating, Add</i>	4,717.02	
40 05 19 00-0387	EA		24" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,539.61	1,615.13
			<i>For Class 52 Rating, Deduct</i>	-1,770.17	
			<i>For Class 54 Rating, Add</i>	2,443.23	
			<i>For Class 55 Rating, Add</i>	3,647.35	
			<i>For Class 56 Rating, Add</i>	4,835.37	
40 05 19 00-0388	EA		24" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,947.54	1,620.19
			<i>For Class 52 Rating, Deduct</i>	-1,814.20	
			<i>For Class 54 Rating, Add</i>	2,503.36	
			<i>For Class 55 Rating, Add</i>	3,736.79	
			<i>For Class 56 Rating, Add</i>	4,953.72	
40 05 19 00-0389	EA		24" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,485.89	1,711.33
			<i>For Class 52 Rating, Deduct</i>	-1,858.23	
			<i>For Class 54 Rating, Add</i>	2,565.06	
			<i>For Class 55 Rating, Add</i>	3,829.36	
			<i>For Class 56 Rating, Add</i>	5,076.77	
40 05 19 00-0390	EA		24" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,893.83	1,716.39
			<i>For Class 52 Rating, Deduct</i>	-1,902.26	
			<i>For Class 54 Rating, Add</i>	2,625.19	
			<i>For Class 55 Rating, Add</i>	3,918.81	
			<i>For Class 56 Rating, Add</i>	5,195.13	
40 05 19 00-0391	EA		24" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,301.76	1,721.45
			<i>For Class 52 Rating, Deduct</i>	-1,946.29	
			<i>For Class 54 Rating, Add</i>	2,685.32	
			<i>For Class 55 Rating, Add</i>	4,008.25	
			<i>For Class 56 Rating, Add</i>	5,313.48	
40 05 19 00-0392	EA		24" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,709.71	1,726.51
			<i>For Class 52 Rating, Deduct</i>	-1,990.31	
			<i>For Class 54 Rating, Add</i>	2,745.46	
			<i>For Class 55 Rating, Add</i>	4,097.69	
			<i>For Class 56 Rating, Add</i>	5,431.84	
40 05 19 00-0393	EA		24" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,117.63	1,731.57
			<i>For Class 52 Rating, Deduct</i>	-2,034.34	
			<i>For Class 54 Rating, Add</i>	2,805.59	
			<i>For Class 55 Rating, Add</i>	4,187.14	
			<i>For Class 56 Rating, Add</i>	5,550.19	
40 05 19 00-0394	EA		24" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,525.56	1,736.64
			<i>For Class 52 Rating, Deduct</i>	-2,078.37	
			<i>For Class 54 Rating, Add</i>	2,865.72	
			<i>For Class 55 Rating, Add</i>	4,276.58	
			<i>For Class 56 Rating, Add</i>	5,668.54	
40 05 19 00-0395	EA		24" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,933.51	1,741.71
			<i>For Class 52 Rating, Deduct</i>	-2,122.40	
			<i>For Class 54 Rating, Add</i>	2,925.85	
			<i>For Class 55 Rating, Add</i>	4,366.02	
			<i>For Class 56 Rating, Add</i>	5,786.90	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0396	EA		24" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,341.43	1,746.77
			For Class 52 Rating, Deduct	-2,166.43	
			For Class 54 Rating, Add	2,985.98	
			For Class 55 Rating, Add	4,455.46	
			For Class 56 Rating, Add	5,905.25	
40 05 19 00-0397	EA		24" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,749.37	1,751.83
			For Class 52 Rating, Deduct	-2,210.46	
			For Class 54 Rating, Add	3,046.11	
			For Class 55 Rating, Add	4,544.91	
			For Class 56 Rating, Add	6,023.60	
<b>40 05 19 00-0398</b>			<b>30" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0399	EA		30" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,563.77	2,086.00
			For Class 52 Rating, Deduct	-924.35	
			For Class 54 Rating, Add	1,298.40	
			For Class 55 Rating, Add	1,949.76	
			For Class 56 Rating, Add	2,592.72	
40 05 19 00-0400	EA		30" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,149.61	2,091.06
			For Class 52 Rating, Deduct	-987.95	
			For Class 54 Rating, Add	1,385.22	
			For Class 55 Rating, Add	2,078.88	
			For Class 56 Rating, Add	2,763.55	
40 05 19 00-0401	EA		30" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,735.44	2,096.12
			For Class 52 Rating, Deduct	-1,051.55	
			For Class 54 Rating, Add	1,472.04	
			For Class 55 Rating, Add	2,207.99	
			For Class 56 Rating, Add	2,934.39	
40 05 19 00-0402	EA		30" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,321.27	2,101.18
			For Class 52 Rating, Deduct	-1,115.14	
			For Class 54 Rating, Add	1,558.85	
			For Class 55 Rating, Add	2,337.10	
			For Class 56 Rating, Add	3,105.22	
40 05 19 00-0403	EA		30" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,907.10	2,106.24
			For Class 52 Rating, Deduct	-1,178.74	
			For Class 54 Rating, Add	1,645.67	
			For Class 55 Rating, Add	2,466.22	
			For Class 56 Rating, Add	3,276.05	
40 05 19 00-0404	EA		30" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	14,492.93	2,111.31
			For Class 52 Rating, Deduct	-1,242.34	
			For Class 54 Rating, Add	1,732.48	
			For Class 55 Rating, Add	2,595.33	
			For Class 56 Rating, Add	3,446.88	
40 05 19 00-0405	EA		30" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,078.76	2,116.38
			For Class 52 Rating, Deduct	-1,305.93	
			For Class 54 Rating, Add	1,819.30	
			For Class 55 Rating, Add	2,724.44	
			For Class 56 Rating, Add	3,617.72	
40 05 19 00-0406	EA		30" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	15,664.58	2,121.44
			For Class 52 Rating, Deduct	-1,369.53	
			For Class 54 Rating, Add	1,906.11	
			For Class 55 Rating, Add	2,853.56	
			For Class 56 Rating, Add	3,788.55	
40 05 19 00-0407	EA		30" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,250.42	2,126.50
			For Class 52 Rating, Deduct	-1,433.13	
			For Class 54 Rating, Add	1,992.93	
			For Class 55 Rating, Add	2,982.67	
			For Class 56 Rating, Add	3,959.38	
40 05 19 00-0408	EA		30" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,836.25	2,131.56
			For Class 52 Rating, Deduct	-1,496.73	
			For Class 54 Rating, Add	2,079.75	
			For Class 55 Rating, Add	3,111.79	
			For Class 56 Rating, Add	4,130.22	
40 05 19 00-0409	EA		30" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,422.08	2,136.62
			For Class 52 Rating, Deduct	-1,560.32	
			For Class 54 Rating, Add	2,166.56	
			For Class 55 Rating, Add	3,240.90	
			For Class 56 Rating, Add	4,301.05	
40 05 19 00-0410	EA		30" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,007.90	2,141.69
			For Class 52 Rating, Deduct	-1,623.92	
			For Class 54 Rating, Add	2,253.38	
			For Class 55 Rating, Add	3,370.01	
			For Class 56 Rating, Add	4,471.88	
40 05 19 00-0411	EA		30" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,593.73	2,146.75
			For Class 52 Rating, Deduct	-1,687.52	
			For Class 54 Rating, Add	2,340.19	
			For Class 55 Rating, Add	3,499.12	
			For Class 56 Rating, Add	4,642.71	
40 05 19 00-0412	EA		30" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,179.57	2,151.81
			For Class 52 Rating, Deduct	-1,751.12	
			For Class 54 Rating, Add	2,427.01	
			For Class 55 Rating, Add	3,628.24	
			For Class 56 Rating, Add	4,813.55	
40 05 19 00-0413	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,765.38	2,156.88
			For Class 52 Rating, Deduct	-1,814.71	
			For Class 54 Rating, Add	2,513.82	
			For Class 55 Rating, Add	3,757.35	
			For Class 56 Rating, Add	4,984.38	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0414	EA	30" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,351.22	2,161.94
		<i>For Class 52 Rating, Deduct</i>	-1,878.31	
		<i>For Class 54 Rating, Add</i>	2,600.64	
		<i>For Class 55 Rating, Add</i>	3,886.46	
		<i>For Class 56 Rating, Add</i>	5,155.21	
40 05 19 00-0415	EA	30" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,937.05	2,167.01
		<i>For Class 52 Rating, Deduct</i>	-1,941.91	
		<i>For Class 54 Rating, Add</i>	2,687.46	
		<i>For Class 55 Rating, Add</i>	4,015.58	
		<i>For Class 56 Rating, Add</i>	5,326.04	
40 05 19 00-0416	EA	30" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,522.88	2,172.07
		<i>For Class 52 Rating, Deduct</i>	-2,005.51	
		<i>For Class 54 Rating, Add</i>	2,774.27	
		<i>For Class 55 Rating, Add</i>	4,144.69	
		<i>For Class 56 Rating, Add</i>	5,496.88	
40 05 19 00-0417	EA	30" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,108.71	2,177.13
		<i>For Class 52 Rating, Deduct</i>	-2,069.10	
		<i>For Class 54 Rating, Add</i>	2,861.09	
		<i>For Class 55 Rating, Add</i>	4,273.81	
		<i>For Class 56 Rating, Add</i>	5,667.71	
40 05 19 00-0418	EA	30" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,694.53	2,182.19
		<i>For Class 52 Rating, Deduct</i>	-2,132.70	
		<i>For Class 54 Rating, Add</i>	2,947.90	
		<i>For Class 55 Rating, Add</i>	4,402.92	
		<i>For Class 56 Rating, Add</i>	5,838.54	
40 05 19 00-0419	EA	30" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,280.37	2,187.25
		<i>For Class 52 Rating, Deduct</i>	-2,196.30	
		<i>For Class 54 Rating, Add</i>	3,034.72	
		<i>For Class 55 Rating, Add</i>	4,532.03	
		<i>For Class 56 Rating, Add</i>	6,009.38	
40 05 19 00-0420	EA	30" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,866.20	2,192.32
		<i>For Class 52 Rating, Deduct</i>	-2,259.90	
		<i>For Class 54 Rating, Add</i>	3,121.54	
		<i>For Class 55 Rating, Add</i>	4,661.14	
		<i>For Class 56 Rating, Add</i>	6,180.21	
40 05 19 00-0421	EA	30" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,452.02	2,197.39
		<i>For Class 52 Rating, Deduct</i>	-2,323.49	
		<i>For Class 54 Rating, Add</i>	3,208.35	
		<i>For Class 55 Rating, Add</i>	4,790.26	
		<i>For Class 56 Rating, Add</i>	6,351.04	
40 05 19 00-0422	EA	30" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,037.86	2,202.45
		<i>For Class 52 Rating, Deduct</i>	-2,387.09	
		<i>For Class 54 Rating, Add</i>	3,295.17	
		<i>For Class 55 Rating, Add</i>	4,919.37	
		<i>For Class 56 Rating, Add</i>	6,521.88	
40 05 19 00-0423	EA	30" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,621.34	2,207.51
		<i>For Class 52 Rating, Deduct</i>	-2,450.43	
		<i>For Class 54 Rating, Add</i>	3,381.63	
		<i>For Class 55 Rating, Add</i>	5,047.96	
		<i>For Class 56 Rating, Add</i>	6,692.02	
40 05 19 00-0424	EA	30" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,209.51	2,212.57
		<i>For Class 52 Rating, Deduct</i>	-2,514.28	
		<i>For Class 54 Rating, Add</i>	3,468.80	
		<i>For Class 55 Rating, Add</i>	5,177.60	
		<i>For Class 56 Rating, Add</i>	6,863.54	
40 05 19 00-0425	EA	30" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,795.34	2,217.63
		<i>For Class 52 Rating, Deduct</i>	-2,577.88	
		<i>For Class 54 Rating, Add</i>	3,555.61	
		<i>For Class 55 Rating, Add</i>	5,306.71	
		<i>For Class 56 Rating, Add</i>	7,034.37	
40 05 19 00-0426	EA	30" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,381.17	2,222.70
		<i>For Class 52 Rating, Deduct</i>	-2,641.48	
		<i>For Class 54 Rating, Add</i>	3,642.43	
		<i>For Class 55 Rating, Add</i>	5,435.82	
		<i>For Class 56 Rating, Add</i>	7,205.21	
40 05 19 00-0427	EA	30" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,967.00	2,227.76
		<i>For Class 52 Rating, Deduct</i>	-2,705.08	
		<i>For Class 54 Rating, Add</i>	3,729.24	
		<i>For Class 55 Rating, Add</i>	5,564.94	
		<i>For Class 56 Rating, Add</i>	7,376.04	
40 05 19 00-0428	EA	30" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,552.82	2,232.82
		<i>For Class 52 Rating, Deduct</i>	-2,768.67	
		<i>For Class 54 Rating, Add</i>	3,816.06	
		<i>For Class 55 Rating, Add</i>	5,694.05	
		<i>For Class 56 Rating, Add</i>	7,546.87	
40 05 19 00-0429	EA	30" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,138.66	2,237.88
		<i>For Class 52 Rating, Deduct</i>	-2,832.27	
		<i>For Class 54 Rating, Add</i>	3,902.88	
		<i>For Class 55 Rating, Add</i>	5,823.16	
		<i>For Class 56 Rating, Add</i>	7,717.70	
40 05 19 00-0430	EA	30" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,724.49	2,242.95
		<i>For Class 52 Rating, Deduct</i>	-2,895.87	
		<i>For Class 54 Rating, Add</i>	3,989.69	
		<i>For Class 55 Rating, Add</i>	5,952.28	
		<i>For Class 56 Rating, Add</i>	7,888.54	
40 05 19 00-0431	EA	30" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,310.32	2,248.02
		<i>For Class 52 Rating, Deduct</i>	-2,959.47	
		<i>For Class 54 Rating, Add</i>	4,076.51	
		<i>For Class 55 Rating, Add</i>	6,081.39	
		<i>For Class 56 Rating, Add</i>	8,059.37	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0432	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,896.14	2,253.08
			For Class 52 Rating, Deduct	-3,023.06	
			For Class 54 Rating, Add	4,163.32	
			For Class 55 Rating, Add	6,210.50	
			For Class 56 Rating, Add	8,230.20	
40 05 19 00-0433	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,481.97	2,258.14
			For Class 52 Rating, Deduct	-3,086.66	
			For Class 54 Rating, Add	4,250.14	
			For Class 55 Rating, Add	6,339.62	
			For Class 56 Rating, Add	8,401.03	
40 05 19 00-0434	EA		30" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,067.81	2,263.20
			For Class 52 Rating, Deduct	-3,150.26	
			For Class 54 Rating, Add	4,336.96	
			For Class 55 Rating, Add	6,468.73	
			For Class 56 Rating, Add	8,571.87	
40 05 19 00-0435	EA		30" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,653.63	2,268.26
			For Class 52 Rating, Deduct	-3,213.86	
			For Class 54 Rating, Add	4,423.77	
			For Class 55 Rating, Add	6,597.84	
			For Class 56 Rating, Add	8,742.70	
40 05 19 00-0436	EA		30" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,239.46	2,273.33
			For Class 52 Rating, Deduct	-3,277.45	
			For Class 54 Rating, Add	4,510.59	
			For Class 55 Rating, Add	6,726.96	
			For Class 56 Rating, Add	8,913.53	
<b>40 05 19 00-0437</b>			<b>36" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>		
40 05 19 00-0438	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,028.72	2,642.93
			For Class 52 Rating, Deduct	-1,322.67	
			For Class 54 Rating, Add	1,851.70	
			For Class 55 Rating, Add	2,777.52	
			For Class 56 Rating, Add	3,691.32	
40 05 19 00-0439	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	16,822.88	2,647.99
			For Class 52 Rating, Deduct	-1,409.18	
			For Class 54 Rating, Add	1,969.76	
			For Class 55 Rating, Add	2,953.09	
			For Class 56 Rating, Add	3,923.61	
40 05 19 00-0440	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	17,617.03	2,653.06
			For Class 52 Rating, Deduct	-1,495.70	
			For Class 54 Rating, Add	2,087.82	
			For Class 55 Rating, Add	3,128.66	
			For Class 56 Rating, Add	4,155.90	
40 05 19 00-0441	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	18,411.18	2,658.13
			For Class 52 Rating, Deduct	-1,582.21	
			For Class 54 Rating, Add	2,205.89	
			For Class 55 Rating, Add	3,304.23	
			For Class 56 Rating, Add	4,388.19	
40 05 19 00-0442	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,205.34	2,663.19
			For Class 52 Rating, Deduct	-1,668.72	
			For Class 54 Rating, Add	2,323.95	
			For Class 55 Rating, Add	3,479.80	
			For Class 56 Rating, Add	4,620.48	
40 05 19 00-0443	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	19,999.49	2,668.25
			For Class 52 Rating, Deduct	-1,755.24	
			For Class 54 Rating, Add	2,442.02	
			For Class 55 Rating, Add	3,655.37	
			For Class 56 Rating, Add	4,852.76	
40 05 19 00-0444	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	20,793.65	2,673.31
			For Class 52 Rating, Deduct	-1,841.75	
			For Class 54 Rating, Add	2,560.08	
			For Class 55 Rating, Add	3,830.94	
			For Class 56 Rating, Add	5,085.05	
40 05 19 00-0445	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,587.80	2,678.38
			For Class 52 Rating, Deduct	-1,928.26	
			For Class 54 Rating, Add	2,678.15	
			For Class 55 Rating, Add	4,006.51	
			For Class 56 Rating, Add	5,317.34	
40 05 19 00-0446	EA		36" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,381.94	2,683.44
			For Class 52 Rating, Deduct	-2,014.77	
			For Class 54 Rating, Add	2,796.21	
			For Class 55 Rating, Add	4,182.08	
			For Class 56 Rating, Add	5,549.63	
40 05 19 00-0447	EA		36" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,176.11	2,688.50
			For Class 52 Rating, Deduct	-2,101.29	
			For Class 54 Rating, Add	2,914.27	
			For Class 55 Rating, Add	4,357.65	
			For Class 56 Rating, Add	5,781.92	
40 05 19 00-0448	EA		36" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,970.26	2,693.56
			For Class 52 Rating, Deduct	-2,187.80	
			For Class 54 Rating, Add	3,032.34	
			For Class 55 Rating, Add	4,533.22	
			For Class 56 Rating, Add	6,014.21	
40 05 19 00-0449	EA		36" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,764.41	2,698.62
			For Class 52 Rating, Deduct	-2,274.31	
			For Class 54 Rating, Add	3,150.40	
			For Class 55 Rating, Add	4,708.79	
			For Class 56 Rating, Add	6,246.49	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0450	EA 36" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,558.56	2,703.70
	For Class 52 Rating, Deduct	-2,360.83	
	For Class 54 Rating, Add	3,268.47	
	For Class 55 Rating, Add	4,884.36	
	For Class 56 Rating, Add	6,478.78	
40 05 19 00-0451	EA 36" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,352.71	2,708.76
	For Class 52 Rating, Deduct	-2,447.34	
	For Class 54 Rating, Add	3,386.53	
	For Class 55 Rating, Add	5,059.92	
	For Class 56 Rating, Add	6,711.07	
40 05 19 00-0452	EA 36" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,146.88	2,713.82
	For Class 52 Rating, Deduct	-2,533.85	
	For Class 54 Rating, Add	3,504.60	
	For Class 55 Rating, Add	5,235.50	
	For Class 56 Rating, Add	6,943.36	
40 05 19 00-0453	EA 36" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	27,941.02	2,718.88
	For Class 52 Rating, Deduct	-2,620.37	
	For Class 54 Rating, Add	3,622.66	
	For Class 55 Rating, Add	5,411.06	
	For Class 56 Rating, Add	7,175.65	
40 05 19 00-0454	EA 36" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,735.18	2,723.94
	For Class 52 Rating, Deduct	-2,706.88	
	For Class 54 Rating, Add	3,740.72	
	For Class 55 Rating, Add	5,586.63	
	For Class 56 Rating, Add	7,407.94	
40 05 19 00-0455	EA 36" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,529.33	2,729.00
	For Class 52 Rating, Deduct	-2,793.39	
	For Class 54 Rating, Add	3,858.79	
	For Class 55 Rating, Add	5,762.20	
	For Class 56 Rating, Add	7,640.22	
40 05 19 00-0456	EA 36" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,323.49	2,734.07
	For Class 52 Rating, Deduct	-2,879.90	
	For Class 54 Rating, Add	3,976.85	
	For Class 55 Rating, Add	5,937.77	
	For Class 56 Rating, Add	7,872.51	
40 05 19 00-0457	EA 36" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,117.64	2,739.13
	For Class 52 Rating, Deduct	-2,966.42	
	For Class 54 Rating, Add	4,094.92	
	For Class 55 Rating, Add	6,113.34	
	For Class 56 Rating, Add	8,104.80	
40 05 19 00-0458	EA 36" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,911.79	2,744.20
	For Class 52 Rating, Deduct	-3,052.93	
	For Class 54 Rating, Add	4,212.98	
	For Class 55 Rating, Add	6,288.91	
	For Class 56 Rating, Add	8,337.09	
40 05 19 00-0459	EA 36" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	32,705.95	2,749.26
	For Class 52 Rating, Deduct	-3,139.44	
	For Class 54 Rating, Add	4,331.05	
	For Class 55 Rating, Add	6,464.48	
	For Class 56 Rating, Add	8,569.38	
40 05 19 00-0460	EA 36" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,500.09	2,754.32
	For Class 52 Rating, Deduct	-3,225.96	
	For Class 54 Rating, Add	4,449.11	
	For Class 55 Rating, Add	6,640.05	
	For Class 56 Rating, Add	8,801.67	
40 05 19 00-0461	EA 36" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	34,294.25	2,759.39
	For Class 52 Rating, Deduct	-3,312.47	
	For Class 54 Rating, Add	4,567.17	
	For Class 55 Rating, Add	6,815.62	
	For Class 56 Rating, Add	9,033.95	
40 05 19 00-0462	EA 36" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,088.40	2,764.45
	For Class 52 Rating, Deduct	-3,398.98	
	For Class 54 Rating, Add	4,685.24	
	For Class 55 Rating, Add	6,991.19	
	For Class 56 Rating, Add	9,266.24	
40 05 19 00-0463	EA 36" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,882.56	2,769.51
	For Class 52 Rating, Deduct	-3,485.50	
	For Class 54 Rating, Add	4,803.30	
	For Class 55 Rating, Add	7,166.76	
	For Class 56 Rating, Add	9,498.53	
40 05 19 00-0464	EA 36" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,676.71	2,774.57
	For Class 52 Rating, Deduct	-3,572.01	
	For Class 54 Rating, Add	4,921.37	
	For Class 55 Rating, Add	7,342.33	
	For Class 56 Rating, Add	9,730.82	
40 05 19 00-0465	EA 36" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	37,470.86	2,779.63
	For Class 52 Rating, Deduct	-3,658.52	
	For Class 54 Rating, Add	5,039.43	
	For Class 55 Rating, Add	7,517.90	
	For Class 56 Rating, Add	9,963.11	
40 05 19 00-0466	EA 36" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,265.02	2,784.71
	For Class 52 Rating, Deduct	-3,745.03	
	For Class 54 Rating, Add	5,157.50	
	For Class 55 Rating, Add	7,693.47	
	For Class 56 Rating, Add	10,195.40	
40 05 19 00-0467	EA 36" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	39,059.17	2,789.77
	For Class 52 Rating, Deduct	-3,831.55	
	For Class 54 Rating, Add	5,275.56	
	For Class 55 Rating, Add	7,869.04	
	For Class 56 Rating, Add	10,427.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0468	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	39,853.32	2,794.83
			For Class 52 Rating, Deduct	-3,918.06	
			For Class 54 Rating, Add	5,393.63	
			For Class 55 Rating, Add	8,044.61	
			For Class 56 Rating, Add	10,659.97	
40 05 19 00-0469	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,647.48	2,799.89
			For Class 52 Rating, Deduct	-4,004.57	
			For Class 54 Rating, Add	5,511.69	
			For Class 55 Rating, Add	8,220.18	
			For Class 56 Rating, Add	10,892.26	
40 05 19 00-0470	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	41,441.63	2,804.95
			For Class 52 Rating, Deduct	-4,091.09	
			For Class 54 Rating, Add	5,629.75	
			For Class 55 Rating, Add	8,395.75	
			For Class 56 Rating, Add	11,124.55	
40 05 19 00-0471	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	42,235.78	2,810.02
			For Class 52 Rating, Deduct	-4,177.60	
			For Class 54 Rating, Add	5,747.82	
			For Class 55 Rating, Add	8,571.32	
			For Class 56 Rating, Add	11,356.84	
40 05 19 00-0472	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	43,029.93	2,815.08
			For Class 52 Rating, Deduct	-4,264.11	
			For Class 54 Rating, Add	5,865.88	
			For Class 55 Rating, Add	8,746.89	
			For Class 56 Rating, Add	11,589.12	
40 05 19 00-0473	EA		36" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	43,824.09	2,820.14
			For Class 52 Rating, Deduct	-4,350.63	
			For Class 54 Rating, Add	5,983.95	
			For Class 55 Rating, Add	8,922.46	
			For Class 56 Rating, Add	11,821.42	
40 05 19 00-0474	EA		36" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	44,618.25	2,825.21
			For Class 52 Rating, Deduct	-4,437.14	
			For Class 54 Rating, Add	6,102.01	
			For Class 55 Rating, Add	9,098.03	
			For Class 56 Rating, Add	12,053.70	
40 05 19 00-0475	EA		36" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	45,412.39	2,830.27
			For Class 52 Rating, Deduct	-4,523.65	
			For Class 54 Rating, Add	6,220.08	
			For Class 55 Rating, Add	9,273.60	
			For Class 56 Rating, Add	12,285.99	
<b>40 05 19 00-0476</b>			<b>42" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0002)</small>		
40 05 19 00-0477	EA		42" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	21,088.71	3,331.52
			For Class 52 Rating, Deduct	-1,764.50	
			For Class 54 Rating, Add	2,466.72	
			For Class 55 Rating, Add	3,698.28	
			For Class 56 Rating, Add	4,913.80	
40 05 19 00-0478	EA		42" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	22,271.42	3,336.58
			For Class 52 Rating, Deduct	-1,893.76	
			For Class 54 Rating, Add	2,643.07	
			For Class 55 Rating, Add	3,960.50	
			For Class 56 Rating, Add	5,260.72	
40 05 19 00-0479	EA		42" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	23,440.08	3,341.64
			For Class 52 Rating, Deduct	-2,021.47	
			For Class 54 Rating, Add	2,817.31	
			For Class 55 Rating, Add	4,219.58	
			For Class 56 Rating, Add	5,603.48	
40 05 19 00-0480	EA		42" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	24,620.46	3,346.70
			For Class 52 Rating, Deduct	-2,150.47	
			For Class 54 Rating, Add	2,993.30	
			For Class 55 Rating, Add	4,481.28	
			For Class 56 Rating, Add	5,949.71	
40 05 19 00-0481	EA		42" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	25,789.12	3,351.77
			For Class 52 Rating, Deduct	-2,278.18	
			For Class 54 Rating, Add	3,167.54	
			For Class 55 Rating, Add	4,740.37	
			For Class 56 Rating, Add	6,292.48	
40 05 19 00-0482	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,971.84	3,356.83
			For Class 52 Rating, Deduct	-2,407.43	
			For Class 54 Rating, Add	3,343.89	
			For Class 55 Rating, Add	5,002.58	
			For Class 56 Rating, Add	6,639.39	
40 05 19 00-0483	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,138.17	3,361.89
			For Class 52 Rating, Deduct	-2,534.88	
			For Class 54 Rating, Add	3,517.78	
			For Class 55 Rating, Add	5,261.15	
			For Class 56 Rating, Add	6,981.47	
40 05 19 00-0484	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,320.88	3,366.95
			For Class 52 Rating, Deduct	-2,664.14	
			For Class 54 Rating, Add	3,694.13	
			For Class 55 Rating, Add	5,523.37	
			For Class 56 Rating, Add	7,328.38	
40 05 19 00-0485	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	30,489.55	3,372.02
			For Class 52 Rating, Deduct	-2,791.85	
			For Class 54 Rating, Add	3,868.37	
			For Class 55 Rating, Add	5,782.45	
			For Class 56 Rating, Add	7,671.16	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0486	EA 42" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,669.92	3,377.09
	For Class 52 Rating, Deduct	-2,920.84	
	For Class 54 Rating, Add	4,044.37	
	For Class 55 Rating, Add	6,044.15	
	For Class 56 Rating, Add	8,017.38	
40 05 19 00-0487	EA 42" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,838.59	3,382.15
	For Class 52 Rating, Deduct	-3,048.55	
	For Class 54 Rating, Add	4,218.61	
	For Class 55 Rating, Add	6,303.24	
	For Class 56 Rating, Add	8,360.15	
40 05 19 00-0488	EA 42" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,018.97	3,387.21
	For Class 52 Rating, Deduct	-3,177.55	
	For Class 54 Rating, Add	4,394.61	
	For Class 55 Rating, Add	6,564.93	
	For Class 56 Rating, Add	8,706.37	
40 05 19 00-0489	EA 42" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,187.62	3,392.27
	For Class 52 Rating, Deduct	-3,305.26	
	For Class 54 Rating, Add	4,568.85	
	For Class 55 Rating, Add	6,824.02	
	For Class 56 Rating, Add	9,049.14	
40 05 19 00-0490	EA 42" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,358.64	3,397.33
	For Class 52 Rating, Deduct	-3,433.23	
	For Class 54 Rating, Add	4,743.44	
	For Class 55 Rating, Add	7,083.63	
	For Class 56 Rating, Add	9,392.60	
40 05 19 00-0491	EA 42" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,536.67	3,402.40
	For Class 52 Rating, Deduct	-3,561.97	
	For Class 54 Rating, Add	4,919.09	
	For Class 55 Rating, Add	7,344.80	
	For Class 56 Rating, Add	9,738.13	
40 05 19 00-0492	EA 42" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,705.34	3,407.46
	For Class 52 Rating, Deduct	-3,689.68	
	For Class 54 Rating, Add	5,093.33	
	For Class 55 Rating, Add	7,603.89	
	For Class 56 Rating, Add	10,080.90	
40 05 19 00-0493	EA 42" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,888.05	3,412.53
	For Class 52 Rating, Deduct	-3,818.93	
	For Class 54 Rating, Add	5,269.68	
	For Class 55 Rating, Add	7,866.11	
	For Class 56 Rating, Add	10,427.82	
40 05 19 00-0494	EA 42" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,056.72	3,417.59
	For Class 52 Rating, Deduct	-3,946.64	
	For Class 54 Rating, Add	5,443.92	
	For Class 55 Rating, Add	8,125.19	
	For Class 56 Rating, Add	10,770.59	
40 05 19 00-0495	EA 42" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,237.10	3,422.65
	For Class 52 Rating, Deduct	-4,075.64	
	For Class 54 Rating, Add	5,619.92	
	For Class 55 Rating, Add	8,386.89	
	For Class 56 Rating, Add	11,116.81	
40 05 19 00-0496	EA 42" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,405.75	3,427.71
	For Class 52 Rating, Deduct	-4,203.35	
	For Class 54 Rating, Add	5,794.16	
	For Class 55 Rating, Add	8,645.98	
	For Class 56 Rating, Add	11,459.58	
40 05 19 00-0497	EA 42" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,588.48	3,432.78
	For Class 52 Rating, Deduct	-4,332.60	
	For Class 54 Rating, Add	5,970.51	
	For Class 55 Rating, Add	8,908.20	
	For Class 56 Rating, Add	11,806.50	
40 05 19 00-0498	EA 42" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,757.14	3,437.84
	For Class 52 Rating, Deduct	-4,460.31	
	For Class 54 Rating, Add	6,144.75	
	For Class 55 Rating, Add	9,167.28	
	For Class 56 Rating, Add	12,149.26	
40 05 19 00-0499	EA 42" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,937.51	3,442.90
	For Class 52 Rating, Deduct	-4,589.31	
	For Class 54 Rating, Add	6,320.75	
	For Class 55 Rating, Add	9,428.98	
	For Class 56 Rating, Add	12,495.49	
40 05 19 00-0500	EA 42" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	48,106.18	3,447.96
	For Class 52 Rating, Deduct	-4,717.02	
	For Class 54 Rating, Add	6,494.99	
	For Class 55 Rating, Add	9,688.06	
	For Class 56 Rating, Add	12,838.26	
40 05 19 00-0501	EA 42" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,288.89	3,453.03
	For Class 52 Rating, Deduct	-4,846.27	
	For Class 54 Rating, Add	6,671.34	
	For Class 55 Rating, Add	9,950.28	
	For Class 56 Rating, Add	13,185.17	
40 05 19 00-0502	EA 42" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,457.57	3,458.10
	For Class 52 Rating, Deduct	-4,973.98	
	For Class 54 Rating, Add	6,845.58	
	For Class 55 Rating, Add	10,209.37	
	For Class 56 Rating, Add	13,527.94	
40 05 19 00-0503	EA 42" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,635.59	3,463.16
	For Class 52 Rating, Deduct	-5,102.72	
	For Class 54 Rating, Add	7,021.22	
	For Class 55 Rating, Add	10,470.54	
	For Class 56 Rating, Add	13,873.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0504	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	52,806.60	3,468.22
			For Class 52 Rating, Deduct	-5,230.69	
			For Class 54 Rating, Add	7,195.82	
			For Class 55 Rating, Add	10,730.15	
			For Class 56 Rating, Add	14,216.94	
40 05 19 00-0505	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	53,741.20	3,473.28
			For Class 52 Rating, Deduct	-5,332.65	
			For Class 54 Rating, Add	7,334.95	
			For Class 55 Rating, Add	10,937.04	
			For Class 56 Rating, Add	14,490.65	
40 05 19 00-0506	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	55,155.64	3,478.34
			For Class 52 Rating, Deduct	-5,487.40	
			For Class 54 Rating, Add	7,546.06	
			For Class 55 Rating, Add	11,250.93	
			For Class 56 Rating, Add	14,905.93	
40 05 19 00-0507	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	56,324.31	3,483.41
			For Class 52 Rating, Deduct	-5,615.11	
			For Class 54 Rating, Add	7,720.30	
			For Class 55 Rating, Add	11,510.02	
			For Class 56 Rating, Add	15,248.70	
40 05 19 00-0508	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	57,504.68	3,488.47
			For Class 52 Rating, Deduct	-5,744.10	
			For Class 54 Rating, Add	7,896.29	
			For Class 55 Rating, Add	11,771.72	
			For Class 56 Rating, Add	15,594.92	
40 05 19 00-0509	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	58,673.36	3,493.53
			For Class 52 Rating, Deduct	-5,871.81	
			For Class 54 Rating, Add	8,070.54	
			For Class 55 Rating, Add	12,030.80	
			For Class 56 Rating, Add	15,937.69	
40 05 19 00-0510	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	59,856.07	3,498.60
			For Class 52 Rating, Deduct	-6,001.07	
			For Class 54 Rating, Add	8,246.88	
			For Class 55 Rating, Add	12,293.02	
			For Class 56 Rating, Add	16,284.60	
40 05 19 00-0511	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	61,022.39	3,503.66
			For Class 52 Rating, Deduct	-6,128.52	
			For Class 54 Rating, Add	8,420.78	
			For Class 55 Rating, Add	12,551.59	
			For Class 56 Rating, Add	16,626.69	
40 05 19 00-0512	EA		42" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	62,205.11	3,508.73
			For Class 52 Rating, Deduct	-6,257.77	
			For Class 54 Rating, Add	8,597.12	
			For Class 55 Rating, Add	12,813.81	
			For Class 56 Rating, Add	16,973.60	
40 05 19 00-0513	EA		42" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	63,373.78	3,513.79
			For Class 52 Rating, Deduct	-6,385.48	
			For Class 54 Rating, Add	8,771.37	
			For Class 55 Rating, Add	13,072.89	
			For Class 56 Rating, Add	17,316.37	
40 05 19 00-0514	EA		42" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	64,554.15	3,518.85
			For Class 52 Rating, Deduct	-6,514.48	
			For Class 54 Rating, Add	8,947.36	
			For Class 55 Rating, Add	13,334.59	
			For Class 56 Rating, Add	17,662.59	
<b>40 05 19 00-0515</b>			<b>48" Flanged End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0002)</b>		
40 05 19 00-0516	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	26,455.68	4,187.18
			For Class 52 Rating, Deduct	-2,212.26	
			For Class 54 Rating, Add	3,092.85	
			For Class 55 Rating, Add	4,637.12	
			For Class 56 Rating, Add	6,161.28	
40 05 19 00-0517	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	28,174.41	4,192.24
			For Class 52 Rating, Deduct	-2,400.48	
			For Class 54 Rating, Add	3,349.60	
			For Class 55 Rating, Add	5,018.87	
			For Class 56 Rating, Add	6,666.31	
40 05 19 00-0518	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	29,890.81	4,197.30
			For Class 52 Rating, Deduct	-2,588.44	
			For Class 54 Rating, Add	3,606.00	
			For Class 55 Rating, Add	5,400.10	
			For Class 56 Rating, Add	7,170.67	
40 05 19 00-0519	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	31,621.25	4,202.36
			For Class 52 Rating, Deduct	-2,777.94	
			For Class 54 Rating, Add	3,864.51	
			For Class 55 Rating, Add	5,784.46	
			For Class 56 Rating, Add	7,679.16	
40 05 19 00-0520	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	33,359.99	4,207.43
			For Class 52 Rating, Deduct	-2,966.16	
			For Class 54 Rating, Add	4,121.26	
			For Class 55 Rating, Add	6,166.21	
			For Class 56 Rating, Add	8,184.20	
40 05 19 00-0521	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	35,058.72	4,212.50
			For Class 52 Rating, Deduct	-3,154.38	
			For Class 54 Rating, Add	4,378.01	
			For Class 55 Rating, Add	6,547.97	
			For Class 56 Rating, Add	8,689.24	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0522	EA 48" Flanged (FxF), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	36,786.83	4,217.56
	For Class 52 Rating, Deduct	-3,343.62	
	For Class 54 Rating, Add	4,636.17	
	For Class 55 Rating, Add	6,931.81	
	For Class 56 Rating, Add	9,197.04	
40 05 19 00-0523	EA 48" Flanged (FxF), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	38,507.91	4,222.62
	For Class 52 Rating, Deduct	-3,532.10	
	For Class 54 Rating, Add	4,893.27	
	For Class 55 Rating, Add	7,314.08	
	For Class 56 Rating, Add	9,702.77	
40 05 19 00-0524	EA 48" Flanged (FxF), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	40,224.30	4,227.68
	For Class 52 Rating, Deduct	-3,720.06	
	For Class 54 Rating, Add	5,149.67	
	For Class 55 Rating, Add	7,695.31	
	For Class 56 Rating, Add	10,207.12	
40 05 19 00-0525	EA 48" Flanged (FxF), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	41,954.74	4,232.74
	For Class 52 Rating, Deduct	-3,909.56	
	For Class 54 Rating, Add	5,408.18	
	For Class 55 Rating, Add	8,079.67	
	For Class 56 Rating, Add	10,715.62	
40 05 19 00-0526	EA 48" Flanged (FxF), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	43,673.48	4,237.81
	For Class 52 Rating, Deduct	-4,097.78	
	For Class 54 Rating, Add	5,664.94	
	For Class 55 Rating, Add	8,461.42	
	For Class 56 Rating, Add	11,220.66	
40 05 19 00-0527	EA 48" Flanged (FxF), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	45,403.93	4,242.87
	For Class 52 Rating, Deduct	-4,287.29	
	For Class 54 Rating, Add	5,923.44	
	For Class 55 Rating, Add	8,845.78	
	For Class 56 Rating, Add	11,729.15	
40 05 19 00-0528	EA 48" Flanged (FxF), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	47,120.31	4,247.94
	For Class 52 Rating, Deduct	-4,475.25	
	For Class 54 Rating, Add	6,179.84	
	For Class 55 Rating, Add	9,227.01	
	For Class 56 Rating, Add	12,233.50	
40 05 19 00-0529	EA 48" Flanged (FxF), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	48,839.05	4,253.00
	For Class 52 Rating, Deduct	-4,663.46	
	For Class 54 Rating, Add	6,436.60	
	For Class 55 Rating, Add	9,608.77	
	For Class 56 Rating, Add	12,738.54	
40 05 19 00-0530	EA 48" Flanged (FxF), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	50,569.50	4,258.06
	For Class 52 Rating, Deduct	-4,852.97	
	For Class 54 Rating, Add	6,695.10	
	For Class 55 Rating, Add	9,993.13	
	For Class 56 Rating, Add	13,247.04	
40 05 19 00-0531	EA 48" Flanged (FxF), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	52,288.24	4,263.13
	For Class 52 Rating, Deduct	-5,041.19	
	For Class 54 Rating, Add	6,951.86	
	For Class 55 Rating, Add	10,374.88	
	For Class 56 Rating, Add	13,752.08	
40 05 19 00-0532	EA 48" Flanged (FxF), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	54,004.63	4,268.19
	For Class 52 Rating, Deduct	-5,229.14	
	For Class 54 Rating, Add	7,208.26	
	For Class 55 Rating, Add	10,756.11	
	For Class 56 Rating, Add	14,256.43	
40 05 19 00-0533	EA 48" Flanged (FxF), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	55,735.07	4,273.25
	For Class 52 Rating, Deduct	-5,418.65	
	For Class 54 Rating, Add	7,466.76	
	For Class 55 Rating, Add	11,140.47	
	For Class 56 Rating, Add	14,764.92	
40 05 19 00-0534	EA 48" Flanged (FxF), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	57,453.82	4,278.31
	For Class 52 Rating, Deduct	-5,606.87	
	For Class 54 Rating, Add	7,723.52	
	For Class 55 Rating, Add	11,522.22	
	For Class 56 Rating, Add	15,269.96	
40 05 19 00-0535	EA 48" Flanged (FxF), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	59,170.21	4,283.37
	For Class 52 Rating, Deduct	-5,794.83	
	For Class 54 Rating, Add	7,979.92	
	For Class 55 Rating, Add	11,903.45	
	For Class 56 Rating, Add	15,774.31	
40 05 19 00-0536	EA 48" Flanged (FxF), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	60,900.64	4,288.43
	For Class 52 Rating, Deduct	-5,984.33	
	For Class 54 Rating, Add	8,238.42	
	For Class 55 Rating, Add	12,287.81	
	For Class 56 Rating, Add	16,282.80	
40 05 19 00-0537	EA 48" Flanged (FxF), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	62,621.73	4,293.51
	For Class 52 Rating, Deduct	-6,172.81	
	For Class 54 Rating, Add	8,495.53	
	For Class 55 Rating, Add	12,670.09	
	For Class 56 Rating, Add	16,788.54	
40 05 19 00-0538	EA 48" Flanged (FxF), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	64,338.13	4,298.57
	For Class 52 Rating, Deduct	-6,360.77	
	For Class 54 Rating, Add	8,751.93	
	For Class 55 Rating, Add	13,051.32	
	For Class 56 Rating, Add	17,292.89	
40 05 19 00-0539	EA 48" Flanged (FxF), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	66,068.57	4,303.63
	For Class 52 Rating, Deduct	-6,550.27	
	For Class 54 Rating, Add	9,010.44	
	For Class 55 Rating, Add	13,435.68	
	For Class 56 Rating, Add	17,801.38	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0540	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	67,787.30	4,308.69
			For Class 52 Rating, Deduct	-6,738.49	
			For Class 54 Rating, Add	9,267.19	
			For Class 55 Rating, Add	13,817.43	
			For Class 56 Rating, Add	18,306.42	
40 05 19 00-0541	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	69,503.70	4,313.75
			For Class 52 Rating, Deduct	-6,926.45	
			For Class 54 Rating, Add	9,523.59	
			For Class 55 Rating, Add	14,198.66	
			For Class 56 Rating, Add	18,810.77	
40 05 19 00-0542	EA		48" Flanged (FxF), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	71,234.15	4,318.82
			For Class 52 Rating, Deduct	-7,115.95	
			For Class 54 Rating, Add	9,782.10	
			For Class 55 Rating, Add	14,583.03	
			For Class 56 Rating, Add	19,319.26	
40 05 19 00-0543	EA		48" Flanged (FxF), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	72,952.87	4,323.88
			For Class 52 Rating, Deduct	-7,304.17	
			For Class 54 Rating, Add	10,038.85	
			For Class 55 Rating, Add	14,964.78	
			For Class 56 Rating, Add	19,824.30	
40 05 19 00-0544	EA		48" Flanged (FxF), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	74,460.96	4,328.94
			For Class 52 Rating, Deduct	-7,469.21	
			For Class 54 Rating, Add	10,264.00	
			For Class 55 Rating, Add	15,299.55	
			For Class 56 Rating, Add	20,267.20	
40 05 19 00-0545	EA		48" Flanged (FxF), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	76,402.06	4,334.01
			For Class 52 Rating, Deduct	-7,681.89	
			For Class 54 Rating, Add	10,554.11	
			For Class 55 Rating, Add	15,730.89	
			For Class 56 Rating, Add	20,837.84	
40 05 19 00-0546	EA		48" Flanged (FxF), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	78,118.46	4,339.07
			For Class 52 Rating, Deduct	-7,869.85	
			For Class 54 Rating, Add	10,810.51	
			For Class 55 Rating, Add	16,112.12	
			For Class 56 Rating, Add	21,342.19	
40 05 19 00-0547	EA		48" Flanged (FxF), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	79,851.24	4,344.14
			For Class 52 Rating, Deduct	-8,059.61	
			For Class 54 Rating, Add	11,069.37	
			For Class 55 Rating, Add	16,497.00	
			For Class 56 Rating, Add	21,851.37	
40 05 19 00-0548	EA		48" Flanged (FxF), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	81,567.63	4,349.20
			For Class 52 Rating, Deduct	-8,247.57	
			For Class 54 Rating, Add	11,325.77	
			For Class 55 Rating, Add	16,878.23	
			For Class 56 Rating, Add	22,355.72	
40 05 19 00-0549	EA		48" Flanged (FxF), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	83,284.04	4,354.26
			For Class 52 Rating, Deduct	-8,435.53	
			For Class 54 Rating, Add	11,582.17	
			For Class 55 Rating, Add	17,259.46	
			For Class 56 Rating, Add	22,860.07	
40 05 19 00-0550	EA		48" Flanged (FxF), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	85,016.81	4,359.32
			For Class 52 Rating, Deduct	-8,625.30	
			For Class 54 Rating, Add	11,841.03	
			For Class 55 Rating, Add	17,644.35	
			For Class 56 Rating, Add	23,369.26	
40 05 19 00-0551	EA		48" Flanged (FxF), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	86,733.20	4,364.38
			For Class 52 Rating, Deduct	-8,813.26	
			For Class 54 Rating, Add	12,097.43	
			For Class 55 Rating, Add	18,025.58	
			For Class 56 Rating, Add	23,873.60	
40 05 19 00-0552	EA		48" Flanged (FxF), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	88,451.95	4,369.45
			For Class 52 Rating, Deduct	-9,001.47	
			For Class 54 Rating, Add	12,354.18	
			For Class 55 Rating, Add	18,407.33	
			For Class 56 Rating, Add	24,378.65	
40 05 19 00-0553	EA		48" Flanged (FxF), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	90,182.39	4,374.52
			For Class 52 Rating, Deduct	-9,190.98	
			For Class 54 Rating, Add	12,612.69	
			For Class 55 Rating, Add	18,791.69	
			For Class 56 Rating, Add	24,887.14	
40 05 19 00-0554			Flanged End x Grooved End (FxF), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0001)		
40 05 19 00-0555			4" Flanged End x Grooved End (FxF), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0556	EA		4" Flanged x Grooved (FxF), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	748.96	231.69
			For Class 52 Rating, Deduct	-43.77	
			For Class 54 Rating, Add	63.90	
			For Class 55 Rating, Add	97.16	
			For Class 56 Rating, Add	130.02	
40 05 19 00-0557	EA		4" Flanged x Grooved (FxF), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	815.96	235.74
			For Class 52 Rating, Deduct	-50.47	
			For Class 54 Rating, Add	73.10	
			For Class 55 Rating, Add	110.88	
			For Class 56 Rating, Add	148.20	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0558	EA 4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	882.96	239.79
	For Class 52 Rating, Deduct	-57.16	
	For Class 54 Rating, Add	82.31	
	For Class 55 Rating, Add	124.60	
	For Class 56 Rating, Add	166.37	
40 05 19 00-0559	EA 4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	949.96	243.85
	For Class 52 Rating, Deduct	-63.86	
	For Class 54 Rating, Add	91.51	
	For Class 55 Rating, Add	138.32	
	For Class 56 Rating, Add	184.55	
40 05 19 00-0560	EA 4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,016.95	247.90
	For Class 52 Rating, Deduct	-70.55	
	For Class 54 Rating, Add	100.71	
	For Class 55 Rating, Add	152.04	
	For Class 56 Rating, Add	202.72	
40 05 19 00-0561	EA 4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,083.94	251.95
	For Class 52 Rating, Deduct	-77.24	
	For Class 54 Rating, Add	109.91	
	For Class 55 Rating, Add	165.76	
	For Class 56 Rating, Add	220.90	
40 05 19 00-0562	EA 4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,150.93	256.00
	For Class 52 Rating, Deduct	-83.94	
	For Class 54 Rating, Add	119.11	
	For Class 55 Rating, Add	179.47	
	For Class 56 Rating, Add	239.07	
40 05 19 00-0563	EA 4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,217.93	260.04
	For Class 52 Rating, Deduct	-90.63	
	For Class 54 Rating, Add	128.32	
	For Class 55 Rating, Add	193.19	
	For Class 56 Rating, Add	257.24	
40 05 19 00-0564	EA 4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,284.93	264.09
	For Class 52 Rating, Deduct	-97.33	
	For Class 54 Rating, Add	137.52	
	For Class 55 Rating, Add	206.91	
	For Class 56 Rating, Add	275.42	
40 05 19 00-0565	EA 4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,351.92	268.14
	For Class 52 Rating, Deduct	-104.02	
	For Class 54 Rating, Add	146.72	
	For Class 55 Rating, Add	220.63	
	For Class 56 Rating, Add	293.59	
40 05 19 00-0566	EA 4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,418.92	272.19
	For Class 52 Rating, Deduct	-110.72	
	For Class 54 Rating, Add	155.93	
	For Class 55 Rating, Add	234.35	
	For Class 56 Rating, Add	311.77	
40 05 19 00-0567	EA 4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,485.92	276.24
	For Class 52 Rating, Deduct	-117.41	
	For Class 54 Rating, Add	165.13	
	For Class 55 Rating, Add	248.07	
	For Class 56 Rating, Add	329.94	
40 05 19 00-0568	EA 4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,552.92	280.29
	For Class 52 Rating, Deduct	-124.11	
	For Class 54 Rating, Add	174.33	
	For Class 55 Rating, Add	261.79	
	For Class 56 Rating, Add	348.12	
40 05 19 00-0569	EA 4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,619.92	284.34
	For Class 52 Rating, Deduct	-130.80	
	For Class 54 Rating, Add	183.53	
	For Class 55 Rating, Add	275.51	
	For Class 56 Rating, Add	366.29	
40 05 19 00-0570	EA 4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,686.90	288.40
	For Class 52 Rating, Deduct	-137.49	
	For Class 54 Rating, Add	192.73	
	For Class 55 Rating, Add	289.22	
	For Class 56 Rating, Add	384.46	
40 05 19 00-0571	EA 4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,753.90	292.45
	For Class 52 Rating, Deduct	-144.19	
	For Class 54 Rating, Add	201.94	
	For Class 55 Rating, Add	302.94	
	For Class 56 Rating, Add	402.64	
40 05 19 00-0572	EA 4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,820.90	296.50
	For Class 52 Rating, Deduct	-150.88	
	For Class 54 Rating, Add	211.14	
	For Class 55 Rating, Add	316.66	
	For Class 56 Rating, Add	420.81	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0573	EA		4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,887.89	300.55
			For Class 52 Rating, Deduct	-157.58	
			For Class 54 Rating, Add	220.34	
			For Class 55 Rating, Add	330.38	
			For Class 56 Rating, Add	438.99	
40 05 19 00-0574	EA		4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,954.88	304.60
			For Class 52 Rating, Deduct	-164.27	
			For Class 54 Rating, Add	229.55	
			For Class 55 Rating, Add	344.10	
			For Class 56 Rating, Add	457.16	
40 05 19 00-0575	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,021.88	308.65
			For Class 52 Rating, Deduct	-170.97	
			For Class 54 Rating, Add	238.75	
			For Class 55 Rating, Add	357.82	
			For Class 56 Rating, Add	475.34	
40 05 19 00-0576	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,088.88	312.70
			For Class 52 Rating, Deduct	-177.66	
			For Class 54 Rating, Add	247.95	
			For Class 55 Rating, Add	371.54	
			For Class 56 Rating, Add	493.51	
40 05 19 00-0577	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,155.88	316.75
			For Class 52 Rating, Deduct	-184.36	
			For Class 54 Rating, Add	257.15	
			For Class 55 Rating, Add	385.26	
			For Class 56 Rating, Add	511.69	
40 05 19 00-0578	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,222.87	320.80
			For Class 52 Rating, Deduct	-191.05	
			For Class 54 Rating, Add	266.35	
			For Class 55 Rating, Add	398.97	
			For Class 56 Rating, Add	529.86	
40 05 19 00-0579	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,289.86	324.85
			For Class 52 Rating, Deduct	-197.74	
			For Class 54 Rating, Add	275.56	
			For Class 55 Rating, Add	412.69	
			For Class 56 Rating, Add	548.03	
40 05 19 00-0580	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,356.86	328.91
			For Class 52 Rating, Deduct	-204.44	
			For Class 54 Rating, Add	284.76	
			For Class 55 Rating, Add	426.41	
			For Class 56 Rating, Add	566.21	
40 05 19 00-0581	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,423.86	332.96
			For Class 52 Rating, Deduct	-211.13	
			For Class 54 Rating, Add	293.96	
			For Class 55 Rating, Add	440.13	
			For Class 56 Rating, Add	584.38	
40 05 19 00-0582	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,490.86	337.01
			For Class 52 Rating, Deduct	-217.83	
			For Class 54 Rating, Add	303.16	
			For Class 55 Rating, Add	453.85	
			For Class 56 Rating, Add	602.56	
40 05 19 00-0583	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,557.86	341.05
			For Class 52 Rating, Deduct	-224.52	
			For Class 54 Rating, Add	312.37	
			For Class 55 Rating, Add	467.57	
			For Class 56 Rating, Add	620.73	
40 05 19 00-0584	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,624.85	345.10
			For Class 52 Rating, Deduct	-231.22	
			For Class 54 Rating, Add	321.57	
			For Class 55 Rating, Add	481.29	
			For Class 56 Rating, Add	638.90	
40 05 19 00-0585	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,691.85	349.15
			For Class 52 Rating, Deduct	-237.91	
			For Class 54 Rating, Add	330.77	
			For Class 55 Rating, Add	495.01	
			For Class 56 Rating, Add	657.08	
40 05 19 00-0586	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,758.83	353.20
			For Class 52 Rating, Deduct	-244.60	
			For Class 54 Rating, Add	339.97	
			For Class 55 Rating, Add	508.72	
			For Class 56 Rating, Add	675.25	
40 05 19 00-0587	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,825.83	357.25
			For Class 52 Rating, Deduct	-251.30	
			For Class 54 Rating, Add	349.18	
			For Class 55 Rating, Add	522.44	
			For Class 56 Rating, Add	693.43	



**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0588	EA 4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,892.82	361.30
	For Class 52 Rating, Deduct	-257.99	
	For Class 54 Rating, Add	358.38	
	For Class 55 Rating, Add	536.16	
	For Class 56 Rating, Add	711.60	
40 05 19 00-0589	EA 4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,959.82	365.35
	For Class 52 Rating, Deduct	-264.69	
	For Class 54 Rating, Add	367.58	
	For Class 55 Rating, Add	549.88	
	For Class 56 Rating, Add	729.77	
40 05 19 00-0590	EA 4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,026.82	369.41
	For Class 52 Rating, Deduct	-271.38	
	For Class 54 Rating, Add	376.78	
	For Class 55 Rating, Add	563.60	
	For Class 56 Rating, Add	747.95	
40 05 19 00-0591	EA 4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,093.82	373.46
	For Class 52 Rating, Deduct	-278.08	
	For Class 54 Rating, Add	385.99	
	For Class 55 Rating, Add	577.32	
	For Class 56 Rating, Add	766.12	
40 05 19 00-0592	EA 4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,160.82	377.51
	For Class 52 Rating, Deduct	-284.77	
	For Class 54 Rating, Add	395.19	
	For Class 55 Rating, Add	591.04	
	For Class 56 Rating, Add	784.30	
40 05 19 00-0593	EA 4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,227.81	381.56
	For Class 52 Rating, Deduct	-291.47	
	For Class 54 Rating, Add	404.39	
	For Class 55 Rating, Add	604.76	
	For Class 56 Rating, Add	802.47	
40 05 19 00-0594	EA 4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,294.80	385.61
	For Class 52 Rating, Deduct	-298.16	
	For Class 54 Rating, Add	413.59	
	For Class 55 Rating, Add	618.47	
	For Class 56 Rating, Add	820.65	
<b>40 05 19 00-0595</b>	<b>6" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
	<small>(40 05 19 00-0554)</small>		
40 05 19 00-0596	EA 6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	935.76	291.63
	For Class 52 Rating, Deduct	-54.33	
	For Class 54 Rating, Add	79.39	
	For Class 55 Rating, Add	120.74	
	For Class 56 Rating, Add	161.60	
40 05 19 00-0597	EA 6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,016.81	295.68
	For Class 52 Rating, Deduct	-62.57	
	For Class 54 Rating, Add	90.70	
	For Class 55 Rating, Add	137.59	
	For Class 56 Rating, Add	183.92	
40 05 19 00-0598	EA 6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,097.84	299.73
	For Class 52 Rating, Deduct	-70.81	
	For Class 54 Rating, Add	102.00	
	For Class 55 Rating, Add	154.44	
	For Class 56 Rating, Add	206.24	
40 05 19 00-0599	EA 6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,178.88	303.78
	For Class 52 Rating, Deduct	-79.05	
	For Class 54 Rating, Add	113.31	
	For Class 55 Rating, Add	171.29	
	For Class 56 Rating, Add	228.56	
40 05 19 00-0600	EA 6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,259.92	307.83
	For Class 52 Rating, Deduct	-87.29	
	For Class 54 Rating, Add	124.62	
	For Class 55 Rating, Add	188.14	
	For Class 56 Rating, Add	250.87	
40 05 19 00-0601	EA 6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,340.96	311.88
	For Class 52 Rating, Deduct	-95.53	
	For Class 54 Rating, Add	135.93	
	For Class 55 Rating, Add	205.00	
	For Class 56 Rating, Add	273.19	
40 05 19 00-0602	EA 6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,422.00	315.94
	For Class 52 Rating, Deduct	-103.76	
	For Class 54 Rating, Add	147.24	
	For Class 55 Rating, Add	221.85	
	For Class 56 Rating, Add	295.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0603	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,503.04	319.99
			For Class 52 Rating, Deduct	-112.00	
			For Class 54 Rating, Add	158.55	
			For Class 55 Rating, Add	238.70	
			For Class 56 Rating, Add	317.83	
40 05 19 00-0604	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,584.09	324.04
			For Class 52 Rating, Deduct	-120.24	
			For Class 54 Rating, Add	169.86	
			For Class 55 Rating, Add	255.55	
			For Class 56 Rating, Add	340.15	
40 05 19 00-0605	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,665.12	328.09
			For Class 52 Rating, Deduct	-128.48	
			For Class 54 Rating, Add	181.17	
			For Class 55 Rating, Add	272.40	
			For Class 56 Rating, Add	362.46	
40 05 19 00-0606	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,746.16	332.14
			For Class 52 Rating, Deduct	-136.72	
			For Class 54 Rating, Add	192.48	
			For Class 55 Rating, Add	289.25	
			For Class 56 Rating, Add	384.78	
40 05 19 00-0607	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,827.21	336.19
			For Class 52 Rating, Deduct	-144.96	
			For Class 54 Rating, Add	203.79	
			For Class 55 Rating, Add	306.10	
			For Class 56 Rating, Add	407.10	
40 05 19 00-0608	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,908.25	340.24
			For Class 52 Rating, Deduct	-153.20	
			For Class 54 Rating, Add	215.10	
			For Class 55 Rating, Add	322.95	
			For Class 56 Rating, Add	429.41	
40 05 19 00-0609	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,989.29	344.29
			For Class 52 Rating, Deduct	-161.44	
			For Class 54 Rating, Add	226.40	
			For Class 55 Rating, Add	339.80	
			For Class 56 Rating, Add	451.73	
40 05 19 00-0610	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,070.32	348.34
			For Class 52 Rating, Deduct	-169.68	
			For Class 54 Rating, Add	237.71	
			For Class 55 Rating, Add	356.65	
			For Class 56 Rating, Add	474.05	
40 05 19 00-0611	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,151.36	352.39
			For Class 52 Rating, Deduct	-177.92	
			For Class 54 Rating, Add	249.02	
			For Class 55 Rating, Add	373.50	
			For Class 56 Rating, Add	496.37	
40 05 19 00-0612	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,232.40	356.45
			For Class 52 Rating, Deduct	-186.16	
			For Class 54 Rating, Add	260.33	
			For Class 55 Rating, Add	390.35	
			For Class 56 Rating, Add	518.68	
40 05 19 00-0613	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,313.44	360.50
			For Class 52 Rating, Deduct	-194.40	
			For Class 54 Rating, Add	271.64	
			For Class 55 Rating, Add	407.20	
			For Class 56 Rating, Add	541.00	
40 05 19 00-0614	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,394.48	364.55
			For Class 52 Rating, Deduct	-202.64	
			For Class 54 Rating, Add	282.95	
			For Class 55 Rating, Add	424.06	
			For Class 56 Rating, Add	563.32	
40 05 19 00-0615	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,475.52	368.60
			For Class 52 Rating, Deduct	-210.88	
			For Class 54 Rating, Add	294.26	
			For Class 55 Rating, Add	440.91	
			For Class 56 Rating, Add	585.63	
40 05 19 00-0616	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,556.56	372.64
			For Class 52 Rating, Deduct	-219.11	
			For Class 54 Rating, Add	305.57	
			For Class 55 Rating, Add	457.76	
			For Class 56 Rating, Add	607.95	
40 05 19 00-0617	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,637.61	376.69
			For Class 52 Rating, Deduct	-227.35	
			For Class 54 Rating, Add	316.88	
			For Class 55 Rating, Add	474.61	
			For Class 56 Rating, Add	630.27	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0618	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,718.65	380.74
			For Class 52 Rating, Deduct	-235.59	
			For Class 54 Rating, Add	328.19	
			For Class 55 Rating, Add	491.46	
			For Class 56 Rating, Add	652.59	
40 05 19 00-0619	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,799.68	384.79
			For Class 52 Rating, Deduct	-243.83	
			For Class 54 Rating, Add	339.50	
			For Class 55 Rating, Add	508.31	
			For Class 56 Rating, Add	674.90	
40 05 19 00-0620	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,880.72	388.84
			For Class 52 Rating, Deduct	-252.07	
			For Class 54 Rating, Add	350.80	
			For Class 55 Rating, Add	525.16	
			For Class 56 Rating, Add	697.22	
40 05 19 00-0621	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,961.77	392.89
			For Class 52 Rating, Deduct	-260.31	
			For Class 54 Rating, Add	362.11	
			For Class 55 Rating, Add	542.01	
			For Class 56 Rating, Add	719.54	
40 05 19 00-0622	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,042.81	396.94
			For Class 52 Rating, Deduct	-268.55	
			For Class 54 Rating, Add	373.42	
			For Class 55 Rating, Add	558.86	
			For Class 56 Rating, Add	741.86	
40 05 19 00-0623	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,123.85	401.00
			For Class 52 Rating, Deduct	-276.79	
			For Class 54 Rating, Add	384.73	
			For Class 55 Rating, Add	575.71	
			For Class 56 Rating, Add	764.17	
40 05 19 00-0624	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,204.89	405.05
			For Class 52 Rating, Deduct	-285.03	
			For Class 54 Rating, Add	396.04	
			For Class 55 Rating, Add	592.56	
			For Class 56 Rating, Add	786.49	
40 05 19 00-0625	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,285.92	409.10
			For Class 52 Rating, Deduct	-293.27	
			For Class 54 Rating, Add	407.35	
			For Class 55 Rating, Add	609.41	
			For Class 56 Rating, Add	808.81	
40 05 19 00-0626	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,366.96	413.15
			For Class 52 Rating, Deduct	-301.51	
			For Class 54 Rating, Add	418.66	
			For Class 55 Rating, Add	626.26	
			For Class 56 Rating, Add	831.12	
40 05 19 00-0627	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,448.01	417.20
			For Class 52 Rating, Deduct	-309.75	
			For Class 54 Rating, Add	429.97	
			For Class 55 Rating, Add	643.11	
			For Class 56 Rating, Add	853.44	
40 05 19 00-0628	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,529.04	421.25
			For Class 52 Rating, Deduct	-317.99	
			For Class 54 Rating, Add	441.28	
			For Class 55 Rating, Add	659.96	
			For Class 56 Rating, Add	875.76	
40 05 19 00-0629	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,610.08	425.30
			For Class 52 Rating, Deduct	-326.23	
			For Class 54 Rating, Add	452.59	
			For Class 55 Rating, Add	676.81	
			For Class 56 Rating, Add	898.08	
40 05 19 00-0630	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,691.13	429.35
			For Class 52 Rating, Deduct	-334.47	
			For Class 54 Rating, Add	463.90	
			For Class 55 Rating, Add	693.67	
			For Class 56 Rating, Add	920.40	
40 05 19 00-0631	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,772.17	433.40
			For Class 52 Rating, Deduct	-342.71	
			For Class 54 Rating, Add	475.21	
			For Class 55 Rating, Add	710.52	
			For Class 56 Rating, Add	942.71	
40 05 19 00-0632	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,853.21	437.45
			For Class 52 Rating, Deduct	-350.94	
			For Class 54 Rating, Add	486.51	
			For Class 55 Rating, Add	727.37	
			For Class 56 Rating, Add	965.03	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0633	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,934.24	441.51
			For Class 52 Rating, Deduct	-359.18	
			For Class 54 Rating, Add	497.82	
			For Class 55 Rating, Add	744.22	
			For Class 56 Rating, Add	987.35	
40 05 19 00-0634	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,015.29	445.56
			For Class 52 Rating, Deduct	-367.42	
			For Class 54 Rating, Add	509.13	
			For Class 55 Rating, Add	761.07	
			For Class 56 Rating, Add	1,009.66	
<b>40 05 19 00-0635</b>			<b>8" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
40 05 19 00-0636	EA		8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,285.55	372.64
			For Class 52 Rating, Deduct	-79.30	
			For Class 54 Rating, Add	114.92	
			For Class 55 Rating, Add	174.32	
			For Class 56 Rating, Add	233.00	
40 05 19 00-0637	EA		8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,394.68	376.69
			For Class 52 Rating, Deduct	-90.63	
			For Class 54 Rating, Add	130.44	
			For Class 55 Rating, Add	197.43	
			For Class 56 Rating, Add	263.61	
40 05 19 00-0638	EA		8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,503.82	380.74
			For Class 52 Rating, Deduct	-101.96	
			For Class 54 Rating, Add	145.96	
			For Class 55 Rating, Add	220.55	
			For Class 56 Rating, Add	294.21	
40 05 19 00-0639	EA		8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,612.94	384.79
			For Class 52 Rating, Deduct	-113.29	
			For Class 54 Rating, Add	161.48	
			For Class 55 Rating, Add	243.66	
			For Class 56 Rating, Add	324.82	
40 05 19 00-0640	EA		8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,722.07	388.84
			For Class 52 Rating, Deduct	-124.62	
			For Class 54 Rating, Add	177.01	
			For Class 55 Rating, Add	266.78	
			For Class 56 Rating, Add	355.42	
40 05 19 00-0641	EA		8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,831.20	392.89
			For Class 52 Rating, Deduct	-135.95	
			For Class 54 Rating, Add	192.53	
			For Class 55 Rating, Add	289.89	
			For Class 56 Rating, Add	386.02	
40 05 19 00-0642	EA		8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,940.33	396.94
			For Class 52 Rating, Deduct	-147.28	
			For Class 54 Rating, Add	208.05	
			For Class 55 Rating, Add	313.01	
			For Class 56 Rating, Add	416.62	
40 05 19 00-0643	EA		8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,049.46	401.00
			For Class 52 Rating, Deduct	-158.61	
			For Class 54 Rating, Add	223.57	
			For Class 55 Rating, Add	336.12	
			For Class 56 Rating, Add	447.23	
40 05 19 00-0644	EA		8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,158.59	405.05
			For Class 52 Rating, Deduct	-169.94	
			For Class 54 Rating, Add	239.10	
			For Class 55 Rating, Add	359.24	
			For Class 56 Rating, Add	477.83	
40 05 19 00-0645	EA		8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,267.71	409.10
			For Class 52 Rating, Deduct	-181.27	
			For Class 54 Rating, Add	254.62	
			For Class 55 Rating, Add	382.35	
			For Class 56 Rating, Add	508.44	
40 05 19 00-0646	EA		8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,376.84	413.15
			For Class 52 Rating, Deduct	-192.59	
			For Class 54 Rating, Add	270.14	
			For Class 55 Rating, Add	405.47	
			For Class 56 Rating, Add	539.04	
40 05 19 00-0647	EA		8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,485.97	417.20
			For Class 52 Rating, Deduct	-203.92	
			For Class 54 Rating, Add	285.66	
			For Class 55 Rating, Add	428.58	
			For Class 56 Rating, Add	569.64	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0648	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,595.09	421.25
		<i>For Class 52 Rating, Deduct</i>	-215.25	
		<i>For Class 54 Rating, Add</i>	301.19	
		<i>For Class 55 Rating, Add</i>	451.69	
		<i>For Class 56 Rating, Add</i>	600.24	
40 05 19 00-0649	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,704.22	425.30
		<i>For Class 52 Rating, Deduct</i>	-226.58	
		<i>For Class 54 Rating, Add</i>	316.71	
		<i>For Class 55 Rating, Add</i>	474.81	
		<i>For Class 56 Rating, Add</i>	630.85	
40 05 19 00-0650	EA	8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,813.36	429.35
		<i>For Class 52 Rating, Deduct</i>	-237.91	
		<i>For Class 54 Rating, Add</i>	332.23	
		<i>For Class 55 Rating, Add</i>	497.92	
		<i>For Class 56 Rating, Add</i>	661.45	
40 05 19 00-0651	EA	8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,922.49	433.40
		<i>For Class 52 Rating, Deduct</i>	-249.24	
		<i>For Class 54 Rating, Add</i>	347.75	
		<i>For Class 55 Rating, Add</i>	521.04	
		<i>For Class 56 Rating, Add</i>	692.06	
40 05 19 00-0652	EA	8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,031.62	437.45
		<i>For Class 52 Rating, Deduct</i>	-260.57	
		<i>For Class 54 Rating, Add</i>	363.28	
		<i>For Class 55 Rating, Add</i>	544.15	
		<i>For Class 56 Rating, Add</i>	722.66	
40 05 19 00-0653	EA	8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,140.74	441.51
		<i>For Class 52 Rating, Deduct</i>	-271.90	
		<i>For Class 54 Rating, Add</i>	378.80	
		<i>For Class 55 Rating, Add</i>	567.27	
		<i>For Class 56 Rating, Add</i>	753.26	
40 05 19 00-0654	EA	8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,249.87	445.56
		<i>For Class 52 Rating, Deduct</i>	-283.23	
		<i>For Class 54 Rating, Add</i>	394.32	
		<i>For Class 55 Rating, Add</i>	590.38	
		<i>For Class 56 Rating, Add</i>	783.87	
40 05 19 00-0655	EA	8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,359.00	449.61
		<i>For Class 52 Rating, Deduct</i>	-294.56	
		<i>For Class 54 Rating, Add</i>	409.84	
		<i>For Class 55 Rating, Add</i>	613.49	
		<i>For Class 56 Rating, Add</i>	814.47	
40 05 19 00-0656	EA	8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,468.14	453.65
		<i>For Class 52 Rating, Deduct</i>	-305.89	
		<i>For Class 54 Rating, Add</i>	425.37	
		<i>For Class 55 Rating, Add</i>	636.61	
		<i>For Class 56 Rating, Add</i>	845.08	
40 05 19 00-0657	EA	8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,577.26	457.70
		<i>For Class 52 Rating, Deduct</i>	-317.21	
		<i>For Class 54 Rating, Add</i>	440.89	
		<i>For Class 55 Rating, Add</i>	659.72	
		<i>For Class 56 Rating, Add</i>	875.68	
40 05 19 00-0658	EA	8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,686.38	461.75
		<i>For Class 52 Rating, Deduct</i>	-328.54	
		<i>For Class 54 Rating, Add</i>	456.41	
		<i>For Class 55 Rating, Add</i>	682.84	
		<i>For Class 56 Rating, Add</i>	906.28	
40 05 19 00-0659	EA	8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,795.51	465.80
		<i>For Class 52 Rating, Deduct</i>	-339.87	
		<i>For Class 54 Rating, Add</i>	471.93	
		<i>For Class 55 Rating, Add</i>	705.95	
		<i>For Class 56 Rating, Add</i>	936.88	
40 05 19 00-0660	EA	8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,904.64	469.85
		<i>For Class 52 Rating, Deduct</i>	-351.20	
		<i>For Class 54 Rating, Add</i>	487.45	
		<i>For Class 55 Rating, Add</i>	729.07	
		<i>For Class 56 Rating, Add</i>	967.49	
40 05 19 00-0661	EA	8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,013.77	473.90
		<i>For Class 52 Rating, Deduct</i>	-362.53	
		<i>For Class 54 Rating, Add</i>	502.98	
		<i>For Class 55 Rating, Add</i>	752.18	
		<i>For Class 56 Rating, Add</i>	998.09	
40 05 19 00-0662	EA	8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,122.90	477.95
		<i>For Class 52 Rating, Deduct</i>	-373.86	
		<i>For Class 54 Rating, Add</i>	518.50	
		<i>For Class 55 Rating, Add</i>	775.30	
		<i>For Class 56 Rating, Add</i>	1,028.70	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0663	EA		8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,232.03	482.01
			For Class 52 Rating, Deduct	-385.19	
			For Class 54 Rating, Add	534.02	
			For Class 55 Rating, Add	798.41	
			For Class 56 Rating, Add	1,059.30	
40 05 19 00-0664	EA		8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,341.16	486.06
			For Class 52 Rating, Deduct	-396.52	
			For Class 54 Rating, Add	549.54	
			For Class 55 Rating, Add	821.53	
			For Class 56 Rating, Add	1,089.90	
40 05 19 00-0665	EA		8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,450.29	490.11
			For Class 52 Rating, Deduct	-407.85	
			For Class 54 Rating, Add	565.07	
			For Class 55 Rating, Add	844.64	
			For Class 56 Rating, Add	1,120.50	
40 05 19 00-0666	EA		8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,559.42	494.16
			For Class 52 Rating, Deduct	-419.18	
			For Class 54 Rating, Add	580.59	
			For Class 55 Rating, Add	867.75	
			For Class 56 Rating, Add	1,151.11	
40 05 19 00-0667	EA		8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,668.54	498.21
			For Class 52 Rating, Deduct	-430.50	
			For Class 54 Rating, Add	596.11	
			For Class 55 Rating, Add	890.87	
			For Class 56 Rating, Add	1,181.71	
40 05 19 00-0668	EA		8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,777.68	502.26
			For Class 52 Rating, Deduct	-441.83	
			For Class 54 Rating, Add	611.63	
			For Class 55 Rating, Add	913.98	
			For Class 56 Rating, Add	1,212.32	
40 05 19 00-0669	EA		8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,886.81	506.31
			For Class 52 Rating, Deduct	-453.16	
			For Class 54 Rating, Add	627.16	
			For Class 55 Rating, Add	937.10	
			For Class 56 Rating, Add	1,242.92	
40 05 19 00-0670	EA		8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,995.94	510.36
			For Class 52 Rating, Deduct	-464.49	
			For Class 54 Rating, Add	642.68	
			For Class 55 Rating, Add	960.21	
			For Class 56 Rating, Add	1,273.52	
40 05 19 00-0671	EA		8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,105.05	514.41
			For Class 52 Rating, Deduct	-475.82	
			For Class 54 Rating, Add	658.20	
			For Class 55 Rating, Add	983.33	
			For Class 56 Rating, Add	1,304.13	
40 05 19 00-0672	EA		8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,214.18	518.46
			For Class 52 Rating, Deduct	-487.15	
			For Class 54 Rating, Add	673.72	
			For Class 55 Rating, Add	1,006.44	
			For Class 56 Rating, Add	1,334.73	
40 05 19 00-0673	EA		8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,323.31	522.51
			For Class 52 Rating, Deduct	-498.48	
			For Class 54 Rating, Add	689.24	
			For Class 55 Rating, Add	1,029.55	
			For Class 56 Rating, Add	1,365.33	
40 05 19 00-0674	EA		8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,432.45	526.57
			For Class 52 Rating, Deduct	-509.81	
			For Class 54 Rating, Add	704.77	
			For Class 55 Rating, Add	1,052.67	
			For Class 56 Rating, Add	1,395.94	
40 05 19 00-0675			<b>10" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> (40 05 19 00-0554)		
40 05 19 00-0676	EA		10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,609.60	453.65
			For Class 52 Rating, Deduct	-101.45	
			For Class 54 Rating, Add	146.58	
			For Class 55 Rating, Add	222.16	
			For Class 56 Rating, Add	296.81	
40 05 19 00-0677	EA		10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,751.50	457.70
			For Class 52 Rating, Deduct	-116.38	
			For Class 54 Rating, Add	167.02	
			For Class 55 Rating, Add	252.58	
			For Class 56 Rating, Add	337.08	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0678	EA	10"	Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,893.39	461.75
			<i>For Class 52 Rating, Deduct</i>	-131.31	
			<i>For Class 54 Rating, Add</i>	187.46	
			<i>For Class 55 Rating, Add</i>	283.00	
			<i>For Class 56 Rating, Add</i>	377.35	
40 05 19 00-0679	EA	10"	Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,035.29	465.80
			<i>For Class 52 Rating, Deduct</i>	-146.25	
			<i>For Class 54 Rating, Add</i>	207.90	
			<i>For Class 55 Rating, Add</i>	313.42	
			<i>For Class 56 Rating, Add</i>	417.62	
40 05 19 00-0680	EA	10"	Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,177.19	469.85
			<i>For Class 52 Rating, Deduct</i>	-161.18	
			<i>For Class 54 Rating, Add</i>	228.34	
			<i>For Class 55 Rating, Add</i>	343.85	
			<i>For Class 56 Rating, Add</i>	457.89	
40 05 19 00-0681	EA	10"	Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,319.09	473.90
			<i>For Class 52 Rating, Deduct</i>	-176.12	
			<i>For Class 54 Rating, Add</i>	248.77	
			<i>For Class 55 Rating, Add</i>	374.27	
			<i>For Class 56 Rating, Add</i>	498.16	
40 05 19 00-0682	EA	10"	Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,460.98	477.95
			<i>For Class 52 Rating, Deduct</i>	-191.05	
			<i>For Class 54 Rating, Add</i>	269.21	
			<i>For Class 55 Rating, Add</i>	404.69	
			<i>For Class 56 Rating, Add</i>	538.43	
40 05 19 00-0683	EA	10"	Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,602.89	482.01
			<i>For Class 52 Rating, Deduct</i>	-205.98	
			<i>For Class 54 Rating, Add</i>	289.65	
			<i>For Class 55 Rating, Add</i>	435.11	
			<i>For Class 56 Rating, Add</i>	578.70	
40 05 19 00-0684	EA	10"	Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,744.79	486.06
			<i>For Class 52 Rating, Deduct</i>	-220.92	
			<i>For Class 54 Rating, Add</i>	310.09	
			<i>For Class 55 Rating, Add</i>	465.53	
			<i>For Class 56 Rating, Add</i>	618.97	
40 05 19 00-0685	EA	10"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,886.69	490.11
			<i>For Class 52 Rating, Deduct</i>	-235.85	
			<i>For Class 54 Rating, Add</i>	330.53	
			<i>For Class 55 Rating, Add</i>	495.96	
			<i>For Class 56 Rating, Add</i>	659.24	
40 05 19 00-0686	EA	10"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,028.59	494.16
			<i>For Class 52 Rating, Deduct</i>	-250.78	
			<i>For Class 54 Rating, Add</i>	350.96	
			<i>For Class 55 Rating, Add</i>	526.38	
			<i>For Class 56 Rating, Add</i>	699.51	
40 05 19 00-0687	EA	10"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,170.48	498.21
			<i>For Class 52 Rating, Deduct</i>	-265.72	
			<i>For Class 54 Rating, Add</i>	371.40	
			<i>For Class 55 Rating, Add</i>	556.80	
			<i>For Class 56 Rating, Add</i>	739.78	
40 05 19 00-0688	EA	10"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,312.38	502.26
			<i>For Class 52 Rating, Deduct</i>	-280.65	
			<i>For Class 54 Rating, Add</i>	391.84	
			<i>For Class 55 Rating, Add</i>	587.22	
			<i>For Class 56 Rating, Add</i>	780.05	
40 05 19 00-0689	EA	10"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,454.29	506.31
			<i>For Class 52 Rating, Deduct</i>	-295.59	
			<i>For Class 54 Rating, Add</i>	412.28	
			<i>For Class 55 Rating, Add</i>	617.65	
			<i>For Class 56 Rating, Add</i>	820.33	
40 05 19 00-0690	EA	10"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,596.19	510.36
			<i>For Class 52 Rating, Deduct</i>	-310.52	
			<i>For Class 54 Rating, Add</i>	432.72	
			<i>For Class 55 Rating, Add</i>	648.07	
			<i>For Class 56 Rating, Add</i>	860.60	
40 05 19 00-0691	EA	10"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,738.07	514.41
			<i>For Class 52 Rating, Deduct</i>	-325.45	
			<i>For Class 54 Rating, Add</i>	453.15	
			<i>For Class 55 Rating, Add</i>	678.49	
			<i>For Class 56 Rating, Add</i>	900.87	
40 05 19 00-0692	EA	10"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,879.97	518.46
			<i>For Class 52 Rating, Deduct</i>	-340.39	
			<i>For Class 54 Rating, Add</i>	473.59	
			<i>For Class 55 Rating, Add</i>	708.91	
			<i>For Class 56 Rating, Add</i>	941.14	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0693	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,021.87	522.51
			For Class 52 Rating, Deduct	-355.32	
			For Class 54 Rating, Add	494.03	
			For Class 55 Rating, Add	739.33	
			For Class 56 Rating, Add	981.41	
40 05 19 00-0694	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,163.78	526.57
			For Class 52 Rating, Deduct	-370.26	
			For Class 54 Rating, Add	514.47	
			For Class 55 Rating, Add	769.76	
			For Class 56 Rating, Add	1,021.68	
40 05 19 00-0695	EA		10" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,305.68	530.62
			For Class 52 Rating, Deduct	-385.19	
			For Class 54 Rating, Add	534.91	
			For Class 55 Rating, Add	800.18	
			For Class 56 Rating, Add	1,061.95	
40 05 19 00-0696	EA		10" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,447.57	534.66
			For Class 52 Rating, Deduct	-400.12	
			For Class 54 Rating, Add	555.34	
			For Class 55 Rating, Add	830.60	
			For Class 56 Rating, Add	1,102.22	
40 05 19 00-0697	EA		10" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,589.47	538.71
			For Class 52 Rating, Deduct	-415.06	
			For Class 54 Rating, Add	575.78	
			For Class 55 Rating, Add	861.02	
			For Class 56 Rating, Add	1,142.49	
40 05 19 00-0698	EA		10" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,731.37	542.76
			For Class 52 Rating, Deduct	-429.99	
			For Class 54 Rating, Add	596.22	
			For Class 55 Rating, Add	891.44	
			For Class 56 Rating, Add	1,182.76	
40 05 19 00-0699	EA		10" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,873.27	546.81
			For Class 52 Rating, Deduct	-444.92	
			For Class 54 Rating, Add	616.66	
			For Class 55 Rating, Add	921.87	
			For Class 56 Rating, Add	1,223.03	
40 05 19 00-0700	EA		10" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,015.17	550.86
			For Class 52 Rating, Deduct	-459.86	
			For Class 54 Rating, Add	637.10	
			For Class 55 Rating, Add	952.29	
			For Class 56 Rating, Add	1,263.30	
40 05 19 00-0701	EA		10" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,157.07	554.91
			For Class 52 Rating, Deduct	-474.79	
			For Class 54 Rating, Add	657.53	
			For Class 55 Rating, Add	982.71	
			For Class 56 Rating, Add	1,303.57	
40 05 19 00-0702	EA		10" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,298.97	558.96
			For Class 52 Rating, Deduct	-489.73	
			For Class 54 Rating, Add	677.97	
			For Class 55 Rating, Add	1,013.13	
			For Class 56 Rating, Add	1,343.84	
40 05 19 00-0703	EA		10" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,440.87	563.01
			For Class 52 Rating, Deduct	-504.66	
			For Class 54 Rating, Add	698.41	
			For Class 55 Rating, Add	1,043.56	
			For Class 56 Rating, Add	1,384.11	
40 05 19 00-0704	EA		10" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,582.77	567.07
			For Class 52 Rating, Deduct	-519.59	
			For Class 54 Rating, Add	718.85	
			For Class 55 Rating, Add	1,073.98	
			For Class 56 Rating, Add	1,424.38	
40 05 19 00-0705	EA		10" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,724.65	571.12
			For Class 52 Rating, Deduct	-534.53	
			For Class 54 Rating, Add	739.28	
			For Class 55 Rating, Add	1,104.40	
			For Class 56 Rating, Add	1,464.65	
40 05 19 00-0706	EA		10" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,866.56	575.17
			For Class 52 Rating, Deduct	-549.46	
			For Class 54 Rating, Add	759.72	
			For Class 55 Rating, Add	1,134.82	
			For Class 56 Rating, Add	1,504.93	
40 05 19 00-0707	EA		10" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,008.46	579.22
			For Class 52 Rating, Deduct	-564.39	
			For Class 54 Rating, Add	780.16	
			For Class 55 Rating, Add	1,165.24	
			For Class 56 Rating, Add	1,545.20	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0708	EA 10" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,150.36	583.27
	For Class 52 Rating, Deduct	-579.33	
	For Class 54 Rating, Add	800.60	
	For Class 55 Rating, Add	1,195.67	
	For Class 56 Rating, Add	1,585.47	
40 05 19 00-0709	EA 10" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,292.26	587.32
	For Class 52 Rating, Deduct	-594.26	
	For Class 54 Rating, Add	821.04	
	For Class 55 Rating, Add	1,226.09	
	For Class 56 Rating, Add	1,625.74	
40 05 19 00-0710	EA 10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,434.15	591.37
	For Class 52 Rating, Deduct	-609.20	
	For Class 54 Rating, Add	841.47	
	For Class 55 Rating, Add	1,256.51	
	For Class 56 Rating, Add	1,666.01	
40 05 19 00-0711	EA 10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,576.06	595.42
	For Class 52 Rating, Deduct	-624.13	
	For Class 54 Rating, Add	861.91	
	For Class 55 Rating, Add	1,286.93	
	For Class 56 Rating, Add	1,706.28	
40 05 19 00-0712	EA 10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,717.96	599.47
	For Class 52 Rating, Deduct	-639.06	
	For Class 54 Rating, Add	882.35	
	For Class 55 Rating, Add	1,317.36	
	For Class 56 Rating, Add	1,746.55	
40 05 19 00-0713	EA 10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,859.86	603.52
	For Class 52 Rating, Deduct	-654.00	
	For Class 54 Rating, Add	902.79	
	For Class 55 Rating, Add	1,347.78	
	For Class 56 Rating, Add	1,786.82	
40 05 19 00-0714	EA 10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,001.75	607.58
	For Class 52 Rating, Deduct	-668.93	
	For Class 54 Rating, Add	923.23	
	For Class 55 Rating, Add	1,378.20	
	For Class 56 Rating, Add	1,827.09	
40 05 19 00-0715	12" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0554)</small>		
40 05 19 00-0716	EA 12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,081.06	567.07
	For Class 52 Rating, Deduct	-134.40	
	For Class 54 Rating, Add	193.59	
	For Class 55 Rating, Add	293.10	
	For Class 56 Rating, Add	391.38	
40 05 19 00-0717	EA 12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,258.05	571.12
	For Class 52 Rating, Deduct	-153.20	
	For Class 54 Rating, Add	219.29	
	For Class 55 Rating, Add	331.35	
	For Class 56 Rating, Add	442.01	
40 05 19 00-0718	EA 12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,435.06	575.17
	For Class 52 Rating, Deduct	-172.00	
	For Class 54 Rating, Add	245.00	
	For Class 55 Rating, Add	369.60	
	For Class 56 Rating, Add	492.63	
40 05 19 00-0719	EA 12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,612.07	579.22
	For Class 52 Rating, Deduct	-190.79	
	For Class 54 Rating, Add	270.70	
	For Class 55 Rating, Add	407.85	
	For Class 56 Rating, Add	543.26	
40 05 19 00-0720	EA 12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,789.09	583.27
	For Class 52 Rating, Deduct	-209.59	
	For Class 54 Rating, Add	296.41	
	For Class 55 Rating, Add	446.10	
	For Class 56 Rating, Add	593.89	
40 05 19 00-0721	EA 12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,966.10	587.32
	For Class 52 Rating, Deduct	-228.38	
	For Class 54 Rating, Add	322.11	
	For Class 55 Rating, Add	484.35	
	For Class 56 Rating, Add	644.52	
40 05 19 00-0722	EA 12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,143.10	591.37
	For Class 52 Rating, Deduct	-247.18	
	For Class 54 Rating, Add	347.82	
	For Class 55 Rating, Add	522.61	
	For Class 56 Rating, Add	695.15	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0723	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,320.11	595.42
			For Class 52 Rating, Deduct	-265.98	
			For Class 54 Rating, Add	373.52	
			For Class 55 Rating, Add	560.86	
			For Class 56 Rating, Add	745.78	
40 05 19 00-0724	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,497.13	599.47
			For Class 52 Rating, Deduct	-284.77	
			For Class 54 Rating, Add	399.23	
			For Class 55 Rating, Add	599.11	
			For Class 56 Rating, Add	796.41	
40 05 19 00-0725	EA		12" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,674.14	603.52
			For Class 52 Rating, Deduct	-303.57	
			For Class 54 Rating, Add	424.93	
			For Class 55 Rating, Add	637.36	
			For Class 56 Rating, Add	847.03	
40 05 19 00-0726	EA		12" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,851.14	607.58
			For Class 52 Rating, Deduct	-322.36	
			For Class 54 Rating, Add	450.63	
			For Class 55 Rating, Add	675.61	
			For Class 56 Rating, Add	897.66	
40 05 19 00-0727	EA		12" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,028.15	611.63
			For Class 52 Rating, Deduct	-341.16	
			For Class 54 Rating, Add	476.34	
			For Class 55 Rating, Add	713.86	
			For Class 56 Rating, Add	948.29	
40 05 19 00-0728	EA		12" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,205.17	615.67
			For Class 52 Rating, Deduct	-359.96	
			For Class 54 Rating, Add	502.04	
			For Class 55 Rating, Add	752.12	
			For Class 56 Rating, Add	998.92	
40 05 19 00-0729	EA		12" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,382.18	619.72
			For Class 52 Rating, Deduct	-378.75	
			For Class 54 Rating, Add	527.75	
			For Class 55 Rating, Add	790.37	
			For Class 56 Rating, Add	1,049.55	
40 05 19 00-0730	EA		12" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,559.18	623.77
			For Class 52 Rating, Deduct	-397.55	
			For Class 54 Rating, Add	553.45	
			For Class 55 Rating, Add	828.62	
			For Class 56 Rating, Add	1,100.17	
40 05 19 00-0731	EA		12" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,736.18	627.82
			For Class 52 Rating, Deduct	-416.34	
			For Class 54 Rating, Add	579.16	
			For Class 55 Rating, Add	866.87	
			For Class 56 Rating, Add	1,150.80	
40 05 19 00-0732	EA		12" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,913.20	631.87
			For Class 52 Rating, Deduct	-435.14	
			For Class 54 Rating, Add	604.86	
			For Class 55 Rating, Add	905.12	
			For Class 56 Rating, Add	1,201.43	
40 05 19 00-0733	EA		12" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,090.21	635.92
			For Class 52 Rating, Deduct	-453.94	
			For Class 54 Rating, Add	630.57	
			For Class 55 Rating, Add	943.38	
			For Class 56 Rating, Add	1,252.06	
40 05 19 00-0734	EA		12" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,267.22	639.97
			For Class 52 Rating, Deduct	-472.73	
			For Class 54 Rating, Add	656.27	
			For Class 55 Rating, Add	981.63	
			For Class 56 Rating, Add	1,302.69	
40 05 19 00-0735	EA		12" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,444.23	644.02
			For Class 52 Rating, Deduct	-491.53	
			For Class 54 Rating, Add	681.97	
			For Class 55 Rating, Add	1,019.88	
			For Class 56 Rating, Add	1,353.32	
40 05 19 00-0736	EA		12" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,621.24	648.07
			For Class 52 Rating, Deduct	-510.32	
			For Class 54 Rating, Add	707.68	
			For Class 55 Rating, Add	1,058.13	
			For Class 56 Rating, Add	1,403.95	
40 05 19 00-0737	EA		12" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,798.25	652.13
			For Class 52 Rating, Deduct	-529.12	
			For Class 54 Rating, Add	733.38	
			For Class 55 Rating, Add	1,096.38	
			For Class 56 Rating, Add	1,454.57	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0738	EA	12"	Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,975.26	656.18
			For Class 52 Rating, Deduct	-547.92	
			For Class 54 Rating, Add	759.09	
			For Class 55 Rating, Add	1,134.64	
			For Class 56 Rating, Add	1,505.20	
40 05 19 00-0739	EA	12"	Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,152.27	660.23
			For Class 52 Rating, Deduct	-566.71	
			For Class 54 Rating, Add	784.79	
			For Class 55 Rating, Add	1,172.89	
			For Class 56 Rating, Add	1,555.83	
40 05 19 00-0740	EA	12"	Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,329.28	664.28
			For Class 52 Rating, Deduct	-585.51	
			For Class 54 Rating, Add	810.50	
			For Class 55 Rating, Add	1,211.14	
			For Class 56 Rating, Add	1,606.46	
40 05 19 00-0741	EA	12"	Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,506.29	668.33
			For Class 52 Rating, Deduct	-604.30	
			For Class 54 Rating, Add	836.20	
			For Class 55 Rating, Add	1,249.39	
			For Class 56 Rating, Add	1,657.09	
40 05 19 00-0742	EA	12"	Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,683.30	672.38
			For Class 52 Rating, Deduct	-623.10	
			For Class 54 Rating, Add	861.91	
			For Class 55 Rating, Add	1,287.64	
			For Class 56 Rating, Add	1,707.71	
40 05 19 00-0743	EA	12"	Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,860.32	676.43
			For Class 52 Rating, Deduct	-641.90	
			For Class 54 Rating, Add	887.61	
			For Class 55 Rating, Add	1,325.90	
			For Class 56 Rating, Add	1,758.35	
40 05 19 00-0744	EA	12"	Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,037.32	680.48
			For Class 52 Rating, Deduct	-660.69	
			For Class 54 Rating, Add	913.32	
			For Class 55 Rating, Add	1,364.15	
			For Class 56 Rating, Add	1,808.97	
40 05 19 00-0745	EA	12"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,214.32	684.53
			For Class 52 Rating, Deduct	-679.49	
			For Class 54 Rating, Add	939.02	
			For Class 55 Rating, Add	1,402.40	
			For Class 56 Rating, Add	1,859.60	
40 05 19 00-0746	EA	12"	Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,391.33	688.58
			For Class 52 Rating, Deduct	-698.28	
			For Class 54 Rating, Add	964.72	
			For Class 55 Rating, Add	1,440.65	
			For Class 56 Rating, Add	1,910.23	
40 05 19 00-0747	EA	12"	Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,568.35	692.64
			For Class 52 Rating, Deduct	-717.08	
			For Class 54 Rating, Add	990.43	
			For Class 55 Rating, Add	1,478.90	
			For Class 56 Rating, Add	1,960.86	
40 05 19 00-0748	EA	12"	Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,745.36	696.69
			For Class 52 Rating, Deduct	-735.88	
			For Class 54 Rating, Add	1,016.13	
			For Class 55 Rating, Add	1,517.15	
			For Class 56 Rating, Add	2,011.49	
40 05 19 00-0749	EA	12"	Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,922.36	700.73
			For Class 52 Rating, Deduct	-754.67	
			For Class 54 Rating, Add	1,041.84	
			For Class 55 Rating, Add	1,555.41	
			For Class 56 Rating, Add	2,062.11	
40 05 19 00-0750	EA	12"	Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,099.37	704.78
			For Class 52 Rating, Deduct	-773.47	
			For Class 54 Rating, Add	1,067.54	
			For Class 55 Rating, Add	1,593.66	
			For Class 56 Rating, Add	2,112.74	
40 05 19 00-0751	EA	12"	Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,276.39	708.83
			For Class 52 Rating, Deduct	-792.26	
			For Class 54 Rating, Add	1,093.25	
			For Class 55 Rating, Add	1,631.91	
			For Class 56 Rating, Add	2,163.37	
40 05 19 00-0752	EA	12"	Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,453.40	712.88
			For Class 52 Rating, Deduct	-811.06	
			For Class 54 Rating, Add	1,118.95	
			For Class 55 Rating, Add	1,670.16	
			For Class 56 Rating, Add	2,214.00	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0753	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,630.41	716.93
			For Class 52 Rating, Deduct	-829.86	
			For Class 54 Rating, Add	1,144.66	
			For Class 55 Rating, Add	1,708.41	
			For Class 56 Rating, Add	2,264.63	
40 05 19 00-0754	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,807.41	720.98
			For Class 52 Rating, Deduct	-848.65	
			For Class 54 Rating, Add	1,170.36	
			For Class 55 Rating, Add	1,746.66	
			For Class 56 Rating, Add	2,315.25	
<b>40 05 19 00-0755</b>			<b>14" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)</b>		
40 05 19 00-0756	EA		14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,856.79	680.48
			For Class 52 Rating, Deduct	-200.83	
			For Class 54 Rating, Add	286.24	
			For Class 55 Rating, Add	431.89	
			For Class 56 Rating, Add	575.72	
40 05 19 00-0757	EA		14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,071.25	684.53
			For Class 52 Rating, Deduct	-223.75	
			For Class 54 Rating, Add	317.56	
			For Class 55 Rating, Add	478.49	
			For Class 56 Rating, Add	637.39	
40 05 19 00-0758	EA		14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,285.71	688.58
			For Class 52 Rating, Deduct	-246.67	
			For Class 54 Rating, Add	348.88	
			For Class 55 Rating, Add	525.10	
			For Class 56 Rating, Add	699.07	
40 05 19 00-0759	EA		14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,500.17	692.64
			For Class 52 Rating, Deduct	-269.58	
			For Class 54 Rating, Add	380.20	
			For Class 55 Rating, Add	571.70	
			For Class 56 Rating, Add	760.75	
40 05 19 00-0760	EA		14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,714.64	696.69
			For Class 52 Rating, Deduct	-292.50	
			For Class 54 Rating, Add	411.53	
			For Class 55 Rating, Add	618.30	
			For Class 56 Rating, Add	822.42	
40 05 19 00-0761	EA		14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,929.09	700.73
			For Class 52 Rating, Deduct	-315.41	
			For Class 54 Rating, Add	442.85	
			For Class 55 Rating, Add	664.91	
			For Class 56 Rating, Add	884.10	
40 05 19 00-0762	EA		14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,143.56	704.78
			For Class 52 Rating, Deduct	-338.33	
			For Class 54 Rating, Add	474.17	
			For Class 55 Rating, Add	711.51	
			For Class 56 Rating, Add	945.78	
40 05 19 00-0763	EA		14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,358.02	708.83
			For Class 52 Rating, Deduct	-361.24	
			For Class 54 Rating, Add	505.49	
			For Class 55 Rating, Add	758.11	
			For Class 56 Rating, Add	1,007.45	
40 05 19 00-0764	EA		14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,572.48	712.88
			For Class 52 Rating, Deduct	-384.16	
			For Class 54 Rating, Add	536.81	
			For Class 55 Rating, Add	804.72	
			For Class 56 Rating, Add	1,069.13	
40 05 19 00-0765	EA		14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,786.95	716.93
			For Class 52 Rating, Deduct	-407.07	
			For Class 54 Rating, Add	568.14	
			For Class 55 Rating, Add	851.32	
			For Class 56 Rating, Add	1,130.81	
40 05 19 00-0766	EA		14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,001.40	720.98
			For Class 52 Rating, Deduct	-429.99	
			For Class 54 Rating, Add	599.46	
			For Class 55 Rating, Add	897.92	
			For Class 56 Rating, Add	1,192.48	
40 05 19 00-0767	EA		14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,215.87	725.03
			For Class 52 Rating, Deduct	-452.91	
			For Class 54 Rating, Add	630.78	
			For Class 55 Rating, Add	944.53	
			For Class 56 Rating, Add	1,254.16	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0768	EA	14"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,430.33	729.08
			For Class 52 Rating, Deduct	-475.82	
			For Class 54 Rating, Add	662.10	
			For Class 55 Rating, Add	991.13	
			For Class 56 Rating, Add	1,315.84	
40 05 19 00-0769	EA	14"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,644.78	733.14
			For Class 52 Rating, Deduct	-498.74	
			For Class 54 Rating, Add	693.43	
			For Class 55 Rating, Add	1,037.73	
			For Class 56 Rating, Add	1,377.51	
40 05 19 00-0770	EA	14"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,859.25	737.19
			For Class 52 Rating, Deduct	-521.65	
			For Class 54 Rating, Add	724.75	
			For Class 55 Rating, Add	1,084.34	
			For Class 56 Rating, Add	1,439.19	
40 05 19 00-0771	EA	14"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,073.70	741.24
			For Class 52 Rating, Deduct	-544.57	
			For Class 54 Rating, Add	756.07	
			For Class 55 Rating, Add	1,130.94	
			For Class 56 Rating, Add	1,500.86	
40 05 19 00-0772	EA	14"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,288.17	745.29
			For Class 52 Rating, Deduct	-567.48	
			For Class 54 Rating, Add	787.39	
			For Class 55 Rating, Add	1,177.55	
			For Class 56 Rating, Add	1,562.54	
40 05 19 00-0773	EA	14"	Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,502.63	749.34
			For Class 52 Rating, Deduct	-590.40	
			For Class 54 Rating, Add	818.71	
			For Class 55 Rating, Add	1,224.15	
			For Class 56 Rating, Add	1,624.22	
40 05 19 00-0774	EA	14"	Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,717.10	753.39
			For Class 52 Rating, Deduct	-613.32	
			For Class 54 Rating, Add	850.04	
			For Class 55 Rating, Add	1,270.75	
			For Class 56 Rating, Add	1,685.90	
40 05 19 00-0775	EA	14"	Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,931.55	757.44
			For Class 52 Rating, Deduct	-636.23	
			For Class 54 Rating, Add	881.36	
			For Class 55 Rating, Add	1,317.36	
			For Class 56 Rating, Add	1,747.57	
40 05 19 00-0776	EA	14"	Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,146.01	761.49
			For Class 52 Rating, Deduct	-659.15	
			For Class 54 Rating, Add	912.68	
			For Class 55 Rating, Add	1,363.96	
			For Class 56 Rating, Add	1,809.25	
40 05 19 00-0777	EA	14"	Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,360.48	765.54
			For Class 52 Rating, Deduct	-682.06	
			For Class 54 Rating, Add	944.00	
			For Class 55 Rating, Add	1,410.56	
			For Class 56 Rating, Add	1,870.92	
40 05 19 00-0778	EA	14"	Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,574.94	769.59
			For Class 52 Rating, Deduct	-704.98	
			For Class 54 Rating, Add	975.33	
			For Class 55 Rating, Add	1,457.17	
			For Class 56 Rating, Add	1,932.60	
40 05 19 00-0779	EA	14"	Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,789.41	773.64
			For Class 52 Rating, Deduct	-727.89	
			For Class 54 Rating, Add	1,006.65	
			For Class 55 Rating, Add	1,503.77	
			For Class 56 Rating, Add	1,994.28	
40 05 19 00-0780	EA	14"	Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,003.86	777.70
			For Class 52 Rating, Deduct	-750.81	
			For Class 54 Rating, Add	1,037.97	
			For Class 55 Rating, Add	1,550.38	
			For Class 56 Rating, Add	2,055.95	
40 05 19 00-0781	EA	14"	Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,218.32	781.74
			For Class 52 Rating, Deduct	-773.72	
			For Class 54 Rating, Add	1,069.29	
			For Class 55 Rating, Add	1,596.98	
			For Class 56 Rating, Add	2,117.63	
40 05 19 00-0782	EA	14"	Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,432.78	785.79
			For Class 52 Rating, Deduct	-796.64	
			For Class 54 Rating, Add	1,100.62	
			For Class 55 Rating, Add	1,643.58	
			For Class 56 Rating, Add	2,179.31	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0783	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,647.24	789.84
			For Class 52 Rating, Deduct	-819.56	
			For Class 54 Rating, Add	1,131.94	
			For Class 55 Rating, Add	1,690.19	
			For Class 56 Rating, Add	2,240.98	
40 05 19 00-0784	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,861.70	793.89
			For Class 52 Rating, Deduct	-842.47	
			For Class 54 Rating, Add	1,163.26	
			For Class 55 Rating, Add	1,736.79	
			For Class 56 Rating, Add	2,302.66	
40 05 19 00-0785	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,076.16	797.94
			For Class 52 Rating, Deduct	-865.39	
			For Class 54 Rating, Add	1,194.58	
			For Class 55 Rating, Add	1,783.39	
			For Class 56 Rating, Add	2,364.34	
40 05 19 00-0786	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,290.62	801.99
			For Class 52 Rating, Deduct	-888.30	
			For Class 54 Rating, Add	1,225.90	
			For Class 55 Rating, Add	1,830.00	
			For Class 56 Rating, Add	2,426.01	
40 05 19 00-0787	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,505.09	806.04
			For Class 52 Rating, Deduct	-911.22	
			For Class 54 Rating, Add	1,257.23	
			For Class 55 Rating, Add	1,876.60	
			For Class 56 Rating, Add	2,487.69	
40 05 19 00-0788	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,719.55	810.09
			For Class 52 Rating, Deduct	-934.13	
			For Class 54 Rating, Add	1,288.55	
			For Class 55 Rating, Add	1,923.20	
			For Class 56 Rating, Add	2,549.37	
40 05 19 00-0789	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,934.01	814.14
			For Class 52 Rating, Deduct	-957.05	
			For Class 54 Rating, Add	1,319.87	
			For Class 55 Rating, Add	1,969.81	
			For Class 56 Rating, Add	2,611.04	
40 05 19 00-0790	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,148.47	818.20
			For Class 52 Rating, Deduct	-979.97	
			For Class 54 Rating, Add	1,351.19	
			For Class 55 Rating, Add	2,016.41	
			For Class 56 Rating, Add	2,672.72	
40 05 19 00-0791	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,362.93	822.25
			For Class 52 Rating, Deduct	-1,002.88	
			For Class 54 Rating, Add	1,382.51	
			For Class 55 Rating, Add	2,063.01	
			For Class 56 Rating, Add	2,734.39	
40 05 19 00-0792	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,577.40	826.30
			For Class 52 Rating, Deduct	-1,025.80	
			For Class 54 Rating, Add	1,413.84	
			For Class 55 Rating, Add	2,109.62	
			For Class 56 Rating, Add	2,796.07	
40 05 19 00-0793	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,791.86	830.35
			For Class 52 Rating, Deduct	-1,048.71	
			For Class 54 Rating, Add	1,445.16	
			For Class 55 Rating, Add	2,156.22	
			For Class 56 Rating, Add	2,857.75	
40 05 19 00-0794			16" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)		
40 05 19 00-0795	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,338.80	777.70
			For Class 52 Rating, Deduct	-237.65	
			For Class 54 Rating, Add	338.21	
			For Class 55 Rating, Add	510.07	
			For Class 56 Rating, Add	679.76	
40 05 19 00-0796	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,588.38	781.74
			For Class 52 Rating, Deduct	-264.43	
			For Class 54 Rating, Add	374.80	
			For Class 55 Rating, Add	564.50	
			For Class 56 Rating, Add	751.80	
40 05 19 00-0797	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,837.94	785.79
			For Class 52 Rating, Deduct	-291.21	
			For Class 54 Rating, Add	411.39	
			For Class 55 Rating, Add	618.93	
			For Class 56 Rating, Add	823.83	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0798	EA	16"	Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,087.52	789.84
			<i>For Class 52 Rating, Deduct</i>	-317.99	
			<i>For Class 54 Rating, Add</i>	447.98	
			<i>For Class 55 Rating, Add</i>	673.37	
			<i>For Class 56 Rating, Add</i>	895.87	
40 05 19 00-0799	EA	16"	Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,337.08	793.89
			<i>For Class 52 Rating, Deduct</i>	-344.76	
			<i>For Class 54 Rating, Add</i>	484.57	
			<i>For Class 55 Rating, Add</i>	727.80	
			<i>For Class 56 Rating, Add</i>	967.90	
40 05 19 00-0800	EA	16"	Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,586.66	797.94
			<i>For Class 52 Rating, Deduct</i>	-371.54	
			<i>For Class 54 Rating, Add</i>	521.16	
			<i>For Class 55 Rating, Add</i>	782.23	
			<i>For Class 56 Rating, Add</i>	1,039.93	
40 05 19 00-0801	EA	16"	Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,836.23	801.99
			<i>For Class 52 Rating, Deduct</i>	-398.32	
			<i>For Class 54 Rating, Add</i>	557.75	
			<i>For Class 55 Rating, Add</i>	836.67	
			<i>For Class 56 Rating, Add</i>	1,111.97	
40 05 19 00-0802	EA	16"	Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,085.81	806.04
			<i>For Class 52 Rating, Deduct</i>	-425.10	
			<i>For Class 54 Rating, Add</i>	594.33	
			<i>For Class 55 Rating, Add</i>	891.10	
			<i>For Class 56 Rating, Add</i>	1,184.00	
40 05 19 00-0803	EA	16"	Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,335.38	810.09
			<i>For Class 52 Rating, Deduct</i>	-451.88	
			<i>For Class 54 Rating, Add</i>	630.92	
			<i>For Class 55 Rating, Add</i>	945.53	
			<i>For Class 56 Rating, Add</i>	1,256.04	
40 05 19 00-0804	EA	16"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,561.54	814.14
			<i>For Class 52 Rating, Deduct</i>	-476.08	
			<i>For Class 54 Rating, Add</i>	664.00	
			<i>For Class 55 Rating, Add</i>	994.75	
			<i>For Class 56 Rating, Add</i>	1,321.16	
40 05 19 00-0805	EA	16"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,834.52	818.20
			<i>For Class 52 Rating, Deduct</i>	-505.43	
			<i>For Class 54 Rating, Add</i>	704.10	
			<i>For Class 55 Rating, Add</i>	1,054.40	
			<i>For Class 56 Rating, Add</i>	1,400.10	
40 05 19 00-0806	EA	16"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,084.10	822.25
			<i>For Class 52 Rating, Deduct</i>	-532.21	
			<i>For Class 54 Rating, Add</i>	740.69	
			<i>For Class 55 Rating, Add</i>	1,108.83	
			<i>For Class 56 Rating, Add</i>	1,472.14	
40 05 19 00-0807	EA	16"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,333.67	826.30
			<i>For Class 52 Rating, Deduct</i>	-558.99	
			<i>For Class 54 Rating, Add</i>	777.28	
			<i>For Class 55 Rating, Add</i>	1,163.27	
			<i>For Class 56 Rating, Add</i>	1,544.17	
40 05 19 00-0808	EA	16"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,583.25	830.35
			<i>For Class 52 Rating, Deduct</i>	-585.77	
			<i>For Class 54 Rating, Add</i>	813.87	
			<i>For Class 55 Rating, Add</i>	1,217.70	
			<i>For Class 56 Rating, Add</i>	1,616.21	
40 05 19 00-0809	EA	16"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,832.81	834.40
			<i>For Class 52 Rating, Deduct</i>	-612.54	
			<i>For Class 54 Rating, Add</i>	850.46	
			<i>For Class 55 Rating, Add</i>	1,272.13	
			<i>For Class 56 Rating, Add</i>	1,688.24	
40 05 19 00-0810	EA	16"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,082.39	838.45
			<i>For Class 52 Rating, Deduct</i>	-639.32	
			<i>For Class 54 Rating, Add</i>	887.05	
			<i>For Class 55 Rating, Add</i>	1,326.57	
			<i>For Class 56 Rating, Add</i>	1,760.28	
40 05 19 00-0811	EA	16"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,331.95	842.50
			<i>For Class 52 Rating, Deduct</i>	-666.10	
			<i>For Class 54 Rating, Add</i>	923.63	
			<i>For Class 55 Rating, Add</i>	1,381.00	
			<i>For Class 56 Rating, Add</i>	1,832.31	
40 05 19 00-0812	EA	16"	Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,581.53	846.55
			<i>For Class 52 Rating, Deduct</i>	-692.88	
			<i>For Class 54 Rating, Add</i>	960.22	
			<i>For Class 55 Rating, Add</i>	1,435.43	
			<i>For Class 56 Rating, Add</i>	1,904.35	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0813	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,831.09	850.60
			For Class 52 Rating, Deduct	-719.65	
			For Class 54 Rating, Add	996.81	
			For Class 55 Rating, Add	1,489.87	
			For Class 56 Rating, Add	1,976.38	
40 05 19 00-0814	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,080.67	854.65
			For Class 52 Rating, Deduct	-746.43	
			For Class 54 Rating, Add	1,033.40	
			For Class 55 Rating, Add	1,544.30	
			For Class 56 Rating, Add	2,048.41	
40 05 19 00-0815	EA		16" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,330.24	858.71
			For Class 52 Rating, Deduct	-773.21	
			For Class 54 Rating, Add	1,069.99	
			For Class 55 Rating, Add	1,598.73	
			For Class 56 Rating, Add	2,120.45	
40 05 19 00-0816	EA		16" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,579.82	862.75
			For Class 52 Rating, Deduct	-799.99	
			For Class 54 Rating, Add	1,106.58	
			For Class 55 Rating, Add	1,653.17	
			For Class 56 Rating, Add	2,192.48	
40 05 19 00-0817	EA		16" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,829.39	866.80
			For Class 52 Rating, Deduct	-826.77	
			For Class 54 Rating, Add	1,143.17	
			For Class 55 Rating, Add	1,707.60	
			For Class 56 Rating, Add	2,264.51	
40 05 19 00-0818	EA		16" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,078.96	870.85
			For Class 52 Rating, Deduct	-853.54	
			For Class 54 Rating, Add	1,179.76	
			For Class 55 Rating, Add	1,762.03	
			For Class 56 Rating, Add	2,336.55	
40 05 19 00-0819	EA		16" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,328.53	874.90
			For Class 52 Rating, Deduct	-880.32	
			For Class 54 Rating, Add	1,216.35	
			For Class 55 Rating, Add	1,816.47	
			For Class 56 Rating, Add	2,408.58	
40 05 19 00-0820	EA		16" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,578.11	878.95
			For Class 52 Rating, Deduct	-907.10	
			For Class 54 Rating, Add	1,252.94	
			For Class 55 Rating, Add	1,870.90	
			For Class 56 Rating, Add	2,480.62	
40 05 19 00-0821	EA		16" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,827.68	883.00
			For Class 52 Rating, Deduct	-933.88	
			For Class 54 Rating, Add	1,289.52	
			For Class 55 Rating, Add	1,925.33	
			For Class 56 Rating, Add	2,552.65	
40 05 19 00-0822	EA		16" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,077.25	887.05
			For Class 52 Rating, Deduct	-960.66	
			For Class 54 Rating, Add	1,326.11	
			For Class 55 Rating, Add	1,979.77	
			For Class 56 Rating, Add	2,624.69	
40 05 19 00-0823	EA		16" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,326.82	891.10
			For Class 52 Rating, Deduct	-987.43	
			For Class 54 Rating, Add	1,362.70	
			For Class 55 Rating, Add	2,034.20	
			For Class 56 Rating, Add	2,696.72	
40 05 19 00-0824	EA		16" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,576.39	895.15
			For Class 52 Rating, Deduct	-1,014.21	
			For Class 54 Rating, Add	1,399.29	
			For Class 55 Rating, Add	2,088.63	
			For Class 56 Rating, Add	2,768.76	
40 05 19 00-0825	EA		16" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,825.96	899.20
			For Class 52 Rating, Deduct	-1,040.99	
			For Class 54 Rating, Add	1,435.88	
			For Class 55 Rating, Add	2,143.07	
			For Class 56 Rating, Add	2,840.79	
40 05 19 00-0826	EA		16" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,075.54	903.26
			For Class 52 Rating, Deduct	-1,067.77	
			For Class 54 Rating, Add	1,472.47	
			For Class 55 Rating, Add	2,197.50	
			For Class 56 Rating, Add	2,912.82	
40 05 19 00-0827	EA		16" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,325.10	907.31
			For Class 52 Rating, Deduct	-1,094.54	
			For Class 54 Rating, Add	1,509.06	
			For Class 55 Rating, Add	2,251.93	
			For Class 56 Rating, Add	2,984.86	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-0828	EA 16" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,574.68	911.36
	For Class 52 Rating, Deduct	-1,121.32	
	For Class 54 Rating, Add	1,545.65	
	For Class 55 Rating, Add	2,306.37	
	For Class 56 Rating, Add	3,056.89	
40 05 19 00-0829	EA 16" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,824.25	915.41
	For Class 52 Rating, Deduct	-1,148.10	
	For Class 54 Rating, Add	1,582.23	
	For Class 55 Rating, Add	2,360.80	
	For Class 56 Rating, Add	3,128.93	
40 05 19 00-0830	EA 16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,073.83	919.46
	For Class 52 Rating, Deduct	-1,174.88	
	For Class 54 Rating, Add	1,618.82	
	For Class 55 Rating, Add	2,415.23	
	For Class 56 Rating, Add	3,200.96	
40 05 19 00-0831	EA 16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,323.40	923.51
	For Class 52 Rating, Deduct	-1,201.66	
	For Class 54 Rating, Add	1,655.41	
	For Class 55 Rating, Add	2,469.67	
	For Class 56 Rating, Add	3,272.99	
40 05 19 00-0832	EA 16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,572.97	927.56
	For Class 52 Rating, Deduct	-1,228.43	
	For Class 54 Rating, Add	1,692.00	
	For Class 55 Rating, Add	2,524.10	
	For Class 56 Rating, Add	3,345.03	
<b>40 05 19 00-0833</b>	<b>18" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0854)</small>		
40 05 19 00-0834	EA 18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,891.16	876.53
	For Class 52 Rating, Deduct	-281.94	
	For Class 54 Rating, Add	400.40	
	For Class 55 Rating, Add	603.44	
	For Class 56 Rating, Add	803.92	
40 05 19 00-0835	EA 18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,178.17	880.58
	For Class 52 Rating, Deduct	-312.84	
	For Class 54 Rating, Add	442.61	
	For Class 55 Rating, Add	666.23	
	For Class 56 Rating, Add	887.00	
40 05 19 00-0836	EA 18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,465.20	884.62
	For Class 52 Rating, Deduct	-343.73	
	For Class 54 Rating, Add	484.81	
	For Class 55 Rating, Add	729.01	
	For Class 56 Rating, Add	970.09	
40 05 19 00-0837	EA 18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,752.23	888.68
	For Class 52 Rating, Deduct	-374.63	
	For Class 54 Rating, Add	527.02	
	For Class 55 Rating, Add	791.80	
	For Class 56 Rating, Add	1,053.17	
40 05 19 00-0838	EA 18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,039.25	892.73
	For Class 52 Rating, Deduct	-405.53	
	For Class 54 Rating, Add	569.23	
	For Class 55 Rating, Add	854.58	
	For Class 56 Rating, Add	1,136.25	
40 05 19 00-0839	EA 18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,326.27	896.78
	For Class 52 Rating, Deduct	-436.43	
	For Class 54 Rating, Add	611.43	
	For Class 55 Rating, Add	917.37	
	For Class 56 Rating, Add	1,219.33	
40 05 19 00-0840	EA 18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,613.29	900.83
	For Class 52 Rating, Deduct	-467.33	
	For Class 54 Rating, Add	653.64	
	For Class 55 Rating, Add	980.15	
	For Class 56 Rating, Add	1,302.42	
40 05 19 00-0841	EA 18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,900.31	904.88
	For Class 52 Rating, Deduct	-498.22	
	For Class 54 Rating, Add	695.85	
	For Class 55 Rating, Add	1,042.94	
	For Class 56 Rating, Add	1,385.50	
40 05 19 00-0842	EA 18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,187.34	908.93
	For Class 52 Rating, Deduct	-529.12	
	For Class 54 Rating, Add	738.05	
	For Class 55 Rating, Add	1,105.72	
	For Class 56 Rating, Add	1,468.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0843	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,474.37	912.98
			For Class 52 Rating, Deduct	-560.02	
			For Class 54 Rating, Add	780.26	
			For Class 55 Rating, Add	1,168.51	
			For Class 56 Rating, Add	1,551.66	
40 05 19 00-0844	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,761.38	917.03
			For Class 52 Rating, Deduct	-590.91	
			For Class 54 Rating, Add	822.47	
			For Class 55 Rating, Add	1,231.29	
			For Class 56 Rating, Add	1,634.74	
40 05 19 00-0845	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,048.41	921.08
			For Class 52 Rating, Deduct	-621.81	
			For Class 54 Rating, Add	864.67	
			For Class 55 Rating, Add	1,294.08	
			For Class 56 Rating, Add	1,717.83	
40 05 19 00-0846	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,335.44	925.13
			For Class 52 Rating, Deduct	-652.71	
			For Class 54 Rating, Add	906.88	
			For Class 55 Rating, Add	1,356.86	
			For Class 56 Rating, Add	1,800.91	
40 05 19 00-0847	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,622.46	929.19
			For Class 52 Rating, Deduct	-683.61	
			For Class 54 Rating, Add	949.09	
			For Class 55 Rating, Add	1,419.65	
			For Class 56 Rating, Add	1,883.99	
40 05 19 00-0848	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,909.49	933.24
			For Class 52 Rating, Deduct	-714.51	
			For Class 54 Rating, Add	991.29	
			For Class 55 Rating, Add	1,482.43	
			For Class 56 Rating, Add	1,967.08	
40 05 19 00-0849	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,196.50	937.29
			For Class 52 Rating, Deduct	-745.40	
			For Class 54 Rating, Add	1,033.50	
			For Class 55 Rating, Add	1,545.22	
			For Class 56 Rating, Add	2,050.16	
40 05 19 00-0850	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,483.53	941.34
			For Class 52 Rating, Deduct	-776.30	
			For Class 54 Rating, Add	1,075.71	
			For Class 55 Rating, Add	1,608.00	
			For Class 56 Rating, Add	2,133.24	
40 05 19 00-0851	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,770.56	945.39
			For Class 52 Rating, Deduct	-807.20	
			For Class 54 Rating, Add	1,117.91	
			For Class 55 Rating, Add	1,670.79	
			For Class 56 Rating, Add	2,216.32	
40 05 19 00-0852	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,057.57	949.44
			For Class 52 Rating, Deduct	-838.09	
			For Class 54 Rating, Add	1,160.12	
			For Class 55 Rating, Add	1,733.57	
			For Class 56 Rating, Add	2,299.40	
40 05 19 00-0853	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,344.60	953.49
			For Class 52 Rating, Deduct	-868.99	
			For Class 54 Rating, Add	1,202.33	
			For Class 55 Rating, Add	1,796.36	
			For Class 56 Rating, Add	2,382.49	
40 05 19 00-0854	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,631.62	957.54
			For Class 52 Rating, Deduct	-899.89	
			For Class 54 Rating, Add	1,244.53	
			For Class 55 Rating, Add	1,859.14	
			For Class 56 Rating, Add	2,465.57	
40 05 19 00-0855	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,918.64	961.59
			For Class 52 Rating, Deduct	-930.79	
			For Class 54 Rating, Add	1,286.74	
			For Class 55 Rating, Add	1,921.93	
			For Class 56 Rating, Add	2,548.65	
40 05 19 00-0856	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,205.67	965.63
			For Class 52 Rating, Deduct	-961.68	
			For Class 54 Rating, Add	1,328.95	
			For Class 55 Rating, Add	1,984.71	
			For Class 56 Rating, Add	2,631.73	
40 05 19 00-0857	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,492.70	969.69
			For Class 52 Rating, Deduct	-992.58	
			For Class 54 Rating, Add	1,371.15	
			For Class 55 Rating, Add	2,047.50	
			For Class 56 Rating, Add	2,714.82	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-0858	EA	18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,779.71	973.74
		<i>For Class 52 Rating, Deduct</i>	-1,023.48	
		<i>For Class 54 Rating, Add</i>	1,413.36	
		<i>For Class 55 Rating, Add</i>	2,110.28	
		<i>For Class 56 Rating, Add</i>	2,797.90	
40 05 19 00-0859	EA	18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,066.74	977.79
		<i>For Class 52 Rating, Deduct</i>	-1,054.38	
		<i>For Class 54 Rating, Add</i>	1,455.57	
		<i>For Class 55 Rating, Add</i>	2,173.07	
		<i>For Class 56 Rating, Add</i>	2,880.98	
40 05 19 00-0860	EA	18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,353.76	981.84
		<i>For Class 52 Rating, Deduct</i>	-1,085.27	
		<i>For Class 54 Rating, Add</i>	1,497.77	
		<i>For Class 55 Rating, Add</i>	2,235.85	
		<i>For Class 56 Rating, Add</i>	2,964.06	
40 05 19 00-0861	EA	18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,640.79	985.89
		<i>For Class 52 Rating, Deduct</i>	-1,116.17	
		<i>For Class 54 Rating, Add</i>	1,539.98	
		<i>For Class 55 Rating, Add</i>	2,298.64	
		<i>For Class 56 Rating, Add</i>	3,047.15	
40 05 19 00-0862	EA	18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,927.82	989.94
		<i>For Class 52 Rating, Deduct</i>	-1,147.07	
		<i>For Class 54 Rating, Add</i>	1,582.19	
		<i>For Class 55 Rating, Add</i>	2,361.42	
		<i>For Class 56 Rating, Add</i>	3,130.23	
40 05 19 00-0863	EA	18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,214.83	993.99
		<i>For Class 52 Rating, Deduct</i>	-1,177.97	
		<i>For Class 54 Rating, Add</i>	1,624.39	
		<i>For Class 55 Rating, Add</i>	2,424.21	
		<i>For Class 56 Rating, Add</i>	3,213.31	
40 05 19 00-0864	EA	18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,501.86	998.04
		<i>For Class 52 Rating, Deduct</i>	-1,208.86	
		<i>For Class 54 Rating, Add</i>	1,666.60	
		<i>For Class 55 Rating, Add</i>	2,486.99	
		<i>For Class 56 Rating, Add</i>	3,296.39	
40 05 19 00-0865	EA	18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,788.89	1,002.09
		<i>For Class 52 Rating, Deduct</i>	-1,239.76	
		<i>For Class 54 Rating, Add</i>	1,708.81	
		<i>For Class 55 Rating, Add</i>	2,549.78	
		<i>For Class 56 Rating, Add</i>	3,379.48	
40 05 19 00-0866	EA	18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,075.90	1,006.14
		<i>For Class 52 Rating, Deduct</i>	-1,270.66	
		<i>For Class 54 Rating, Add</i>	1,751.01	
		<i>For Class 55 Rating, Add</i>	2,612.56	
		<i>For Class 56 Rating, Add</i>	3,462.56	
40 05 19 00-0867	EA	18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,362.92	1,010.20
		<i>For Class 52 Rating, Deduct</i>	-1,301.56	
		<i>For Class 54 Rating, Add</i>	1,793.22	
		<i>For Class 55 Rating, Add</i>	2,675.35	
		<i>For Class 56 Rating, Add</i>	3,545.64	
40 05 19 00-0868	EA	18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,649.95	1,014.25
		<i>For Class 52 Rating, Deduct</i>	-1,332.46	
		<i>For Class 54 Rating, Add</i>	1,835.43	
		<i>For Class 55 Rating, Add</i>	2,738.13	
		<i>For Class 56 Rating, Add</i>	3,628.72	
40 05 19 00-0869	EA	18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,936.97	1,018.30
		<i>For Class 52 Rating, Deduct</i>	-1,363.35	
		<i>For Class 54 Rating, Add</i>	1,877.63	
		<i>For Class 55 Rating, Add</i>	2,800.92	
		<i>For Class 56 Rating, Add</i>	3,711.81	
40 05 19 00-0870	EA	18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,224.00	1,022.35
		<i>For Class 52 Rating, Deduct</i>	-1,394.25	
		<i>For Class 54 Rating, Add</i>	1,919.84	
		<i>For Class 55 Rating, Add</i>	2,863.70	
		<i>For Class 56 Rating, Add</i>	3,794.89	
40 05 19 00-0871	EA	18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,511.03	1,026.40
		<i>For Class 52 Rating, Deduct</i>	-1,425.15	
		<i>For Class 54 Rating, Add</i>	1,962.05	
		<i>For Class 55 Rating, Add</i>	2,926.49	
		<i>For Class 56 Rating, Add</i>	3,877.97	

40 05 19 00-0872 20" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-0554)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0873	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,509.64	1,000.47
			For Class 52 Rating, Deduct	-329.32	
			For Class 54 Rating, Add	467.26	
			For Class 55 Rating, Add	703.99	
			For Class 56 Rating, Add	937.74	
40 05 19 00-0874	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,838.79	1,004.52
			For Class 52 Rating, Deduct	-364.85	
			For Class 54 Rating, Add	515.78	
			For Class 55 Rating, Add	776.17	
			For Class 56 Rating, Add	1,033.25	
40 05 19 00-0875	EA		20" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,167.95	1,008.57
			For Class 52 Rating, Deduct	-400.38	
			For Class 54 Rating, Add	564.31	
			For Class 55 Rating, Add	848.35	
			For Class 56 Rating, Add	1,128.76	
40 05 19 00-0876	EA		20" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,497.11	1,012.62
			For Class 52 Rating, Deduct	-435.91	
			For Class 54 Rating, Add	612.84	
			For Class 55 Rating, Add	920.54	
			For Class 56 Rating, Add	1,224.27	
40 05 19 00-0877	EA		20" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,826.27	1,016.67
			For Class 52 Rating, Deduct	-471.44	
			For Class 54 Rating, Add	661.36	
			For Class 55 Rating, Add	992.72	
			For Class 56 Rating, Add	1,319.78	
40 05 19 00-0878	EA		20" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,155.42	1,020.72
			For Class 52 Rating, Deduct	-506.98	
			For Class 54 Rating, Add	709.89	
			For Class 55 Rating, Add	1,064.90	
			For Class 56 Rating, Add	1,415.30	
40 05 19 00-0879	EA		20" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,484.58	1,024.77
			For Class 52 Rating, Deduct	-542.51	
			For Class 54 Rating, Add	758.42	
			For Class 55 Rating, Add	1,137.08	
			For Class 56 Rating, Add	1,510.81	
40 05 19 00-0880	EA		20" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,813.74	1,028.82
			For Class 52 Rating, Deduct	-578.04	
			For Class 54 Rating, Add	806.94	
			For Class 55 Rating, Add	1,209.26	
			For Class 56 Rating, Add	1,606.32	
40 05 19 00-0881	EA		20" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,142.90	1,032.87
			For Class 52 Rating, Deduct	-613.57	
			For Class 54 Rating, Add	855.47	
			For Class 55 Rating, Add	1,281.44	
			For Class 56 Rating, Add	1,701.83	
40 05 19 00-0882	EA		20" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,472.05	1,036.92
			For Class 52 Rating, Deduct	-649.11	
			For Class 54 Rating, Add	904.00	
			For Class 55 Rating, Add	1,353.62	
			For Class 56 Rating, Add	1,797.34	
40 05 19 00-0883	EA		20" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,801.20	1,040.97
			For Class 52 Rating, Deduct	-684.64	
			For Class 54 Rating, Add	952.52	
			For Class 55 Rating, Add	1,425.80	
			For Class 56 Rating, Add	1,892.85	
40 05 19 00-0884	EA		20" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,130.36	1,045.02
			For Class 52 Rating, Deduct	-720.17	
			For Class 54 Rating, Add	1,001.05	
			For Class 55 Rating, Add	1,497.98	
			For Class 56 Rating, Add	1,988.36	
40 05 19 00-0885	EA		20" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,459.52	1,049.07
			For Class 52 Rating, Deduct	-755.70	
			For Class 54 Rating, Add	1,049.58	
			For Class 55 Rating, Add	1,570.16	
			For Class 56 Rating, Add	2,083.88	
40 05 19 00-0886	EA		20" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,788.68	1,053.12
			For Class 52 Rating, Deduct	-791.23	
			For Class 54 Rating, Add	1,098.10	
			For Class 55 Rating, Add	1,642.34	
			For Class 56 Rating, Add	2,179.39	
40 05 19 00-0887	EA		20" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,117.82	1,057.17
			For Class 52 Rating, Deduct	-826.77	
			For Class 54 Rating, Add	1,146.63	
			For Class 55 Rating, Add	1,714.52	
			For Class 56 Rating, Add	2,274.90	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0888	EA	20"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,446.98	1,061.22
			For Class 52 Rating, Deduct	-862.30	
			For Class 54 Rating, Add	1,195.16	
			For Class 55 Rating, Add	1,786.70	
			For Class 56 Rating, Add	2,370.41	
40 05 19 00-0889	EA	20"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,776.14	1,065.27
			For Class 52 Rating, Deduct	-897.83	
			For Class 54 Rating, Add	1,243.68	
			For Class 55 Rating, Add	1,858.88	
			For Class 56 Rating, Add	2,465.92	
40 05 19 00-0890	EA	20"	Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,105.30	1,069.33
			For Class 52 Rating, Deduct	-933.36	
			For Class 54 Rating, Add	1,292.21	
			For Class 55 Rating, Add	1,931.06	
			For Class 56 Rating, Add	2,561.43	
40 05 19 00-0891	EA	20"	Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,434.45	1,073.38
			For Class 52 Rating, Deduct	-968.89	
			For Class 54 Rating, Add	1,340.74	
			For Class 55 Rating, Add	2,003.24	
			For Class 56 Rating, Add	2,656.95	
40 05 19 00-0892	EA	20"	Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,763.61	1,077.43
			For Class 52 Rating, Deduct	-1,004.43	
			For Class 54 Rating, Add	1,389.26	
			For Class 55 Rating, Add	2,075.43	
			For Class 56 Rating, Add	2,752.46	
40 05 19 00-0893	EA	20"	Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,092.77	1,081.48
			For Class 52 Rating, Deduct	-1,039.96	
			For Class 54 Rating, Add	1,437.79	
			For Class 55 Rating, Add	2,147.61	
			For Class 56 Rating, Add	2,847.97	
40 05 19 00-0894	EA	20"	Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,421.93	1,085.53
			For Class 52 Rating, Deduct	-1,075.49	
			For Class 54 Rating, Add	1,486.32	
			For Class 55 Rating, Add	2,219.79	
			For Class 56 Rating, Add	2,943.48	
40 05 19 00-0895	EA	20"	Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,751.09	1,089.58
			For Class 52 Rating, Deduct	-1,111.02	
			For Class 54 Rating, Add	1,534.84	
			For Class 55 Rating, Add	2,291.97	
			For Class 56 Rating, Add	3,038.99	
40 05 19 00-0896	EA	20"	Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,080.24	1,093.63
			For Class 52 Rating, Deduct	-1,146.56	
			For Class 54 Rating, Add	1,583.37	
			For Class 55 Rating, Add	2,364.15	
			For Class 56 Rating, Add	3,134.51	
40 05 19 00-0897	EA	20"	Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,409.40	1,097.68
			For Class 52 Rating, Deduct	-1,182.09	
			For Class 54 Rating, Add	1,631.90	
			For Class 55 Rating, Add	2,436.33	
			For Class 56 Rating, Add	3,230.02	
40 05 19 00-0898	EA	20"	Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,738.55	1,101.73
			For Class 52 Rating, Deduct	-1,217.62	
			For Class 54 Rating, Add	1,680.42	
			For Class 55 Rating, Add	2,508.51	
			For Class 56 Rating, Add	3,325.53	
40 05 19 00-0899	EA	20"	Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,067.71	1,105.78
			For Class 52 Rating, Deduct	-1,253.15	
			For Class 54 Rating, Add	1,728.95	
			For Class 55 Rating, Add	2,560.69	
			For Class 56 Rating, Add	3,421.04	
40 05 19 00-0900	EA	20"	Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,396.87	1,109.83
			For Class 52 Rating, Deduct	-1,288.68	
			For Class 54 Rating, Add	1,777.47	
			For Class 55 Rating, Add	2,652.87	
			For Class 56 Rating, Add	3,516.55	
40 05 19 00-0901	EA	20"	Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,726.01	1,113.88
			For Class 52 Rating, Deduct	-1,324.22	
			For Class 54 Rating, Add	1,826.00	
			For Class 55 Rating, Add	2,725.05	
			For Class 56 Rating, Add	3,612.06	
40 05 19 00-0902	EA	20"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,055.17	1,117.93
			For Class 52 Rating, Deduct	-1,359.75	
			For Class 54 Rating, Add	1,874.53	
			For Class 55 Rating, Add	2,797.23	
			For Class 56 Rating, Add	3,707.57	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0903	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,384.33	1,121.98
			For Class 52 Rating, Deduct	-1,395.28	
			For Class 54 Rating, Add	1,923.05	
			For Class 55 Rating, Add	2,869.41	
			For Class 56 Rating, Add	3,803.09	
40 05 19 00-0904	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,713.49	1,126.03
			For Class 52 Rating, Deduct	-1,430.81	
			For Class 54 Rating, Add	1,971.58	
			For Class 55 Rating, Add	2,941.59	
			For Class 56 Rating, Add	3,898.60	
40 05 19 00-0905	EA		20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,042.64	1,130.08
			For Class 52 Rating, Deduct	-1,466.34	
			For Class 54 Rating, Add	2,020.11	
			For Class 55 Rating, Add	3,013.77	
			For Class 56 Rating, Add	3,994.11	
40 05 19 00-0906	EA		20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,371.80	1,134.13
			For Class 52 Rating, Deduct	-1,501.88	
			For Class 54 Rating, Add	2,068.63	
			For Class 55 Rating, Add	3,085.95	
			For Class 56 Rating, Add	4,089.62	
40 05 19 00-0907	EA		20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,700.96	1,138.18
			For Class 52 Rating, Deduct	-1,537.41	
			For Class 54 Rating, Add	2,117.16	
			For Class 55 Rating, Add	3,158.13	
			For Class 56 Rating, Add	4,185.13	
40 05 19 00-0908	EA		20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,030.12	1,142.23
			For Class 52 Rating, Deduct	-1,572.94	
			For Class 54 Rating, Add	2,165.69	
			For Class 55 Rating, Add	3,230.32	
			For Class 56 Rating, Add	4,280.64	
40 05 19 00-0909	EA		20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,359.28	1,146.28
			For Class 52 Rating, Deduct	-1,608.47	
			For Class 54 Rating, Add	2,214.21	
			For Class 55 Rating, Add	3,302.50	
			For Class 56 Rating, Add	4,376.16	
40 05 19 00-0910	EA		20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,688.43	1,150.33
			For Class 52 Rating, Deduct	-1,644.01	
			For Class 54 Rating, Add	2,262.74	
			For Class 55 Rating, Add	3,374.68	
			For Class 56 Rating, Add	4,471.67	
40 05 19 00-0911			<b>24" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-0554)</small>		
40 05 19 00-0912	EA		24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,574.63	1,182.74
			For Class 52 Rating, Deduct	-416.09	
			For Class 54 Rating, Add	588.89	
			For Class 55 Rating, Add	886.53	
			For Class 56 Rating, Add	1,180.38	
40 05 19 00-0913	EA		24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,981.03	1,186.79
			For Class 52 Rating, Deduct	-460.12	
			For Class 54 Rating, Add	649.01	
			For Class 55 Rating, Add	975.94	
			For Class 56 Rating, Add	1,298.68	
40 05 19 00-0914	EA		24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,387.43	1,190.83
			For Class 52 Rating, Deduct	-504.14	
			For Class 54 Rating, Add	709.12	
			For Class 55 Rating, Add	1,065.34	
			For Class 56 Rating, Add	1,416.98	
40 05 19 00-0915	EA		24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,793.83	1,194.89
			For Class 52 Rating, Deduct	-548.17	
			For Class 54 Rating, Add	769.23	
			For Class 55 Rating, Add	1,154.75	
			For Class 56 Rating, Add	1,535.28	
40 05 19 00-0916	EA		24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,200.24	1,198.94
			For Class 52 Rating, Deduct	-592.20	
			For Class 54 Rating, Add	829.35	
			For Class 55 Rating, Add	1,244.15	
			For Class 56 Rating, Add	1,653.58	
40 05 19 00-0917	EA		24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,606.64	1,202.99
			For Class 52 Rating, Deduct	-636.23	
			For Class 54 Rating, Add	889.46	
			For Class 55 Rating, Add	1,333.56	
			For Class 56 Rating, Add	1,771.87	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0918	EA	24"	Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,013.03	1,207.04
			<i>For Class 52 Rating, Deduct</i>	-680.26	
			<i>For Class 54 Rating, Add</i>	949.57	
			<i>For Class 55 Rating, Add</i>	1,422.96	
			<i>For Class 56 Rating, Add</i>	1,890.17	
40 05 19 00-0919	EA	24"	Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,419.44	1,211.09
			<i>For Class 52 Rating, Deduct</i>	-724.29	
			<i>For Class 54 Rating, Add</i>	1,009.69	
			<i>For Class 55 Rating, Add</i>	1,512.37	
			<i>For Class 56 Rating, Add</i>	2,008.47	
40 05 19 00-0920	EA	24"	Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,825.84	1,215.14
			<i>For Class 52 Rating, Deduct</i>	-768.32	
			<i>For Class 54 Rating, Add</i>	1,069.80	
			<i>For Class 55 Rating, Add</i>	1,601.78	
			<i>For Class 56 Rating, Add</i>	2,126.77	
40 05 19 00-0921	EA	24"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,232.23	1,219.19
			<i>For Class 52 Rating, Deduct</i>	-812.35	
			<i>For Class 54 Rating, Add</i>	1,129.91	
			<i>For Class 55 Rating, Add</i>	1,691.18	
			<i>For Class 56 Rating, Add</i>	2,245.07	
40 05 19 00-0922	EA	24"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,638.62	1,223.24
			<i>For Class 52 Rating, Deduct</i>	-856.38	
			<i>For Class 54 Rating, Add</i>	1,190.03	
			<i>For Class 55 Rating, Add</i>	1,780.59	
			<i>For Class 56 Rating, Add</i>	2,363.36	
40 05 19 00-0923	EA	24"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,045.03	1,227.29
			<i>For Class 52 Rating, Deduct</i>	-900.41	
			<i>For Class 54 Rating, Add</i>	1,250.14	
			<i>For Class 55 Rating, Add</i>	1,870.00	
			<i>For Class 56 Rating, Add</i>	2,481.67	
40 05 19 00-0924	EA	24"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,451.43	1,231.34
			<i>For Class 52 Rating, Deduct</i>	-944.43	
			<i>For Class 54 Rating, Add</i>	1,310.25	
			<i>For Class 55 Rating, Add</i>	1,959.40	
			<i>For Class 56 Rating, Add</i>	2,599.96	
40 05 19 00-0925	EA	24"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,857.83	1,235.40
			<i>For Class 52 Rating, Deduct</i>	-988.46	
			<i>For Class 54 Rating, Add</i>	1,370.36	
			<i>For Class 55 Rating, Add</i>	2,048.81	
			<i>For Class 56 Rating, Add</i>	2,718.26	
40 05 19 00-0926	EA	24"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,264.24	1,239.45
			<i>For Class 52 Rating, Deduct</i>	-1,032.49	
			<i>For Class 54 Rating, Add</i>	1,430.48	
			<i>For Class 55 Rating, Add</i>	2,138.21	
			<i>For Class 56 Rating, Add</i>	2,836.56	
40 05 19 00-0927	EA	24"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,670.63	1,243.50
			<i>For Class 52 Rating, Deduct</i>	-1,076.52	
			<i>For Class 54 Rating, Add</i>	1,490.59	
			<i>For Class 55 Rating, Add</i>	2,227.62	
			<i>For Class 56 Rating, Add</i>	2,954.86	
40 05 19 00-0928	EA	24"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,077.03	1,247.55
			<i>For Class 52 Rating, Deduct</i>	-1,120.55	
			<i>For Class 54 Rating, Add</i>	1,550.70	
			<i>For Class 55 Rating, Add</i>	2,317.02	
			<i>For Class 56 Rating, Add</i>	3,073.16	
40 05 19 00-0929	EA	24"	Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,483.44	1,251.60
			<i>For Class 52 Rating, Deduct</i>	-1,164.58	
			<i>For Class 54 Rating, Add</i>	1,610.82	
			<i>For Class 55 Rating, Add</i>	2,406.43	
			<i>For Class 56 Rating, Add</i>	3,191.46	
40 05 19 00-0930	EA	24"	Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,889.84	1,255.65
			<i>For Class 52 Rating, Deduct</i>	-1,208.61	
			<i>For Class 54 Rating, Add</i>	1,670.93	
			<i>For Class 55 Rating, Add</i>	2,495.84	
			<i>For Class 56 Rating, Add</i>	3,309.76	
40 05 19 00-0931	EA	24"	Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,296.24	1,259.70
			<i>For Class 52 Rating, Deduct</i>	-1,252.64	
			<i>For Class 54 Rating, Add</i>	1,731.04	
			<i>For Class 55 Rating, Add</i>	2,585.24	
			<i>For Class 56 Rating, Add</i>	3,428.05	
40 05 19 00-0932	EA	24"	Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,702.64	1,263.75
			<i>For Class 52 Rating, Deduct</i>	-1,296.67	
			<i>For Class 54 Rating, Add</i>	1,791.16	
			<i>For Class 55 Rating, Add</i>	2,674.65	
			<i>For Class 56 Rating, Add</i>	3,546.35	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0933	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,109.04	1,267.80
			For Class 52 Rating, Deduct	-1,340.69	
			For Class 54 Rating, Add	1,851.27	
			For Class 55 Rating, Add	2,764.05	
			For Class 56 Rating, Add	3,664.65	
40 05 19 00-0934	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,515.44	1,271.84
			For Class 52 Rating, Deduct	-1,384.72	
			For Class 54 Rating, Add	1,911.38	
			For Class 55 Rating, Add	2,853.46	
			For Class 56 Rating, Add	3,782.95	
40 05 19 00-0935	EA		24" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,921.84	1,275.89
			For Class 52 Rating, Deduct	-1,428.75	
			For Class 54 Rating, Add	1,971.50	
			For Class 55 Rating, Add	2,942.87	
			For Class 56 Rating, Add	3,901.25	
40 05 19 00-0936	EA		24" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,328.23	1,279.95
			For Class 52 Rating, Deduct	-1,472.78	
			For Class 54 Rating, Add	2,031.61	
			For Class 55 Rating, Add	3,032.27	
			For Class 56 Rating, Add	4,019.55	
40 05 19 00-0937	EA		24" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,734.63	1,284.00
			For Class 52 Rating, Deduct	-1,516.81	
			For Class 54 Rating, Add	2,091.72	
			For Class 55 Rating, Add	3,121.68	
			For Class 56 Rating, Add	4,137.84	
40 05 19 00-0938	EA		24" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,141.03	1,288.05
			For Class 52 Rating, Deduct	-1,560.84	
			For Class 54 Rating, Add	2,151.84	
			For Class 55 Rating, Add	3,211.08	
			For Class 56 Rating, Add	4,256.14	
40 05 19 00-0939	EA		24" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,547.44	1,292.10
			For Class 52 Rating, Deduct	-1,604.87	
			For Class 54 Rating, Add	2,211.95	
			For Class 55 Rating, Add	3,300.49	
			For Class 56 Rating, Add	4,374.44	
40 05 19 00-0940	EA		24" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,953.84	1,296.15
			For Class 52 Rating, Deduct	-1,648.90	
			For Class 54 Rating, Add	2,272.06	
			For Class 55 Rating, Add	3,389.90	
			For Class 56 Rating, Add	4,492.74	
40 05 19 00-0941	EA		24" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,464.57	1,369.06
			For Class 52 Rating, Deduct	-1,692.93	
			For Class 54 Rating, Add	2,333.43	
			For Class 55 Rating, Add	3,481.81	
			For Class 56 Rating, Add	4,614.79	
40 05 19 00-0942	EA		24" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,870.97	1,373.11
			For Class 52 Rating, Deduct	-1,736.96	
			For Class 54 Rating, Add	2,393.54	
			For Class 55 Rating, Add	3,571.21	
			For Class 56 Rating, Add	4,733.09	
40 05 19 00-0943	EA		24" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,277.37	1,377.16
			For Class 52 Rating, Deduct	-1,780.98	
			For Class 54 Rating, Add	2,453.65	
			For Class 55 Rating, Add	3,660.62	
			For Class 56 Rating, Add	4,851.39	
40 05 19 00-0944	EA		24" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,683.76	1,381.21
			For Class 52 Rating, Deduct	-1,825.01	
			For Class 54 Rating, Add	2,513.77	
			For Class 55 Rating, Add	3,750.02	
			For Class 56 Rating, Add	4,969.69	
40 05 19 00-0945	EA		24" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,090.17	1,385.26
			For Class 52 Rating, Deduct	-1,869.04	
			For Class 54 Rating, Add	2,573.88	
			For Class 55 Rating, Add	3,839.43	
			For Class 56 Rating, Add	5,087.99	
40 05 19 00-0946	EA		24" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,496.57	1,389.31
			For Class 52 Rating, Deduct	-1,913.07	
			For Class 54 Rating, Add	2,633.99	
			For Class 55 Rating, Add	3,928.84	
			For Class 56 Rating, Add	5,206.29	
40 05 19 00-0947	EA		24" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,902.96	1,393.36
			For Class 52 Rating, Deduct	-1,957.10	
			For Class 54 Rating, Add	2,694.11	
			For Class 55 Rating, Add	4,018.24	
			For Class 56 Rating, Add	5,324.59	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-0948	EA	24" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,309.37	1,397.41
		<i>For Class 52 Rating, Deduct</i>	-2,001.13	
		<i>For Class 54 Rating, Add</i>	2,754.22	
		<i>For Class 55 Rating, Add</i>	4,107.65	
		<i>For Class 56 Rating, Add</i>	5,442.89	
40 05 19 00-0949	EA	24" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,715.77	1,401.46
		<i>For Class 52 Rating, Deduct</i>	-2,045.16	
		<i>For Class 54 Rating, Add</i>	2,814.33	
		<i>For Class 55 Rating, Add</i>	4,197.05	
		<i>For Class 56 Rating, Add</i>	5,561.18	
<b>40 05 19 00-0950 30" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small></b>				
40 05 19 00-0951	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,567.54	1,668.80
		<i>For Class 52 Rating, Deduct</i>	-664.30	
		<i>For Class 54 Rating, Add</i>	936.20	
		<i>For Class 55 Rating, Add</i>	1,407.39	
		<i>For Class 56 Rating, Add</i>	1,872.55	
40 05 19 00-0952	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,151.83	1,672.85
		<i>For Class 52 Rating, Deduct</i>	-727.89	
		<i>For Class 54 Rating, Add</i>	1,023.00	
		<i>For Class 55 Rating, Add</i>	1,536.47	
		<i>For Class 56 Rating, Add</i>	2,043.33	
40 05 19 00-0953	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,736.12	1,676.90
		<i>For Class 52 Rating, Deduct</i>	-791.49	
		<i>For Class 54 Rating, Add</i>	1,109.79	
		<i>For Class 55 Rating, Add</i>	1,665.55	
		<i>For Class 56 Rating, Add</i>	2,214.10	
40 05 19 00-0954	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,320.42	1,680.95
		<i>For Class 52 Rating, Deduct</i>	-855.09	
		<i>For Class 54 Rating, Add</i>	1,196.59	
		<i>For Class 55 Rating, Add</i>	1,794.62	
		<i>For Class 56 Rating, Add</i>	2,384.88	
40 05 19 00-0955	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,904.72	1,684.99
		<i>For Class 52 Rating, Deduct</i>	-918.69	
		<i>For Class 54 Rating, Add</i>	1,283.39	
		<i>For Class 55 Rating, Add</i>	1,923.70	
		<i>For Class 56 Rating, Add</i>	2,555.66	
40 05 19 00-0956	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,489.02	1,689.04
		<i>For Class 52 Rating, Deduct</i>	-982.28	
		<i>For Class 54 Rating, Add</i>	1,370.19	
		<i>For Class 55 Rating, Add</i>	2,052.78	
		<i>For Class 56 Rating, Add</i>	2,726.44	
40 05 19 00-0957	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,073.30	1,693.09
		<i>For Class 52 Rating, Deduct</i>	-1,045.88	
		<i>For Class 54 Rating, Add</i>	1,456.98	
		<i>For Class 55 Rating, Add</i>	2,181.85	
		<i>For Class 56 Rating, Add</i>	2,897.21	
40 05 19 00-0958	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,657.60	1,697.15
		<i>For Class 52 Rating, Deduct</i>	-1,109.48	
		<i>For Class 54 Rating, Add</i>	1,543.78	
		<i>For Class 55 Rating, Add</i>	2,310.93	
		<i>For Class 56 Rating, Add</i>	3,067.99	
40 05 19 00-0959	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,241.90	1,701.20
		<i>For Class 52 Rating, Deduct</i>	-1,173.08	
		<i>For Class 54 Rating, Add</i>	1,630.58	
		<i>For Class 55 Rating, Add</i>	2,440.01	
		<i>For Class 56 Rating, Add</i>	3,238.77	
40 05 19 00-0960	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,826.20	1,705.25
		<i>For Class 52 Rating, Deduct</i>	-1,236.67	
		<i>For Class 54 Rating, Add</i>	1,717.38	
		<i>For Class 55 Rating, Add</i>	2,569.08	
		<i>For Class 56 Rating, Add</i>	3,409.55	
40 05 19 00-0961	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,410.48	1,709.30
		<i>For Class 52 Rating, Deduct</i>	-1,300.27	
		<i>For Class 54 Rating, Add</i>	1,804.17	
		<i>For Class 55 Rating, Add</i>	2,698.16	
		<i>For Class 56 Rating, Add</i>	3,580.32	
40 05 19 00-0962	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,994.77	1,713.35
		<i>For Class 52 Rating, Deduct</i>	-1,363.87	
		<i>For Class 54 Rating, Add</i>	1,890.97	
		<i>For Class 55 Rating, Add</i>	2,827.23	
		<i>For Class 56 Rating, Add</i>	3,751.10	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0963	EA		30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,579.07	1,717.40
			For Class 52 Rating, Deduct	-1,427.46	
			For Class 54 Rating, Add	1,977.77	
			For Class 55 Rating, Add	2,956.31	
			For Class 56 Rating, Add	3,921.88	
40 05 19 00-0964	EA		30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,163.37	1,721.45
			For Class 52 Rating, Deduct	-1,491.06	
			For Class 54 Rating, Add	2,064.57	
			For Class 55 Rating, Add	3,085.39	
			For Class 56 Rating, Add	4,092.65	
40 05 19 00-0965	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,747.67	1,725.50
			For Class 52 Rating, Deduct	-1,554.66	
			For Class 54 Rating, Add	2,151.36	
			For Class 55 Rating, Add	3,214.46	
			For Class 56 Rating, Add	4,263.43	
40 05 19 00-0966	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,331.96	1,729.55
			For Class 52 Rating, Deduct	-1,618.26	
			For Class 54 Rating, Add	2,238.16	
			For Class 55 Rating, Add	3,343.54	
			For Class 56 Rating, Add	4,434.21	
40 05 19 00-0967	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,916.25	1,733.60
			For Class 52 Rating, Deduct	-1,681.85	
			For Class 54 Rating, Add	2,324.96	
			For Class 55 Rating, Add	3,472.62	
			For Class 56 Rating, Add	4,604.99	
40 05 19 00-0968	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,500.55	1,737.66
			For Class 52 Rating, Deduct	-1,745.45	
			For Class 54 Rating, Add	2,411.75	
			For Class 55 Rating, Add	3,601.69	
			For Class 56 Rating, Add	4,775.76	
40 05 19 00-0969	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,084.85	1,741.71
			For Class 52 Rating, Deduct	-1,809.05	
			For Class 54 Rating, Add	2,498.55	
			For Class 55 Rating, Add	3,730.77	
			For Class 56 Rating, Add	4,946.54	
40 05 19 00-0970	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,669.14	1,745.76
			For Class 52 Rating, Deduct	-1,872.65	
			For Class 54 Rating, Add	2,585.35	
			For Class 55 Rating, Add	3,859.85	
			For Class 56 Rating, Add	5,117.32	
40 05 19 00-0971	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,253.43	1,749.81
			For Class 52 Rating, Deduct	-1,936.24	
			For Class 54 Rating, Add	2,672.15	
			For Class 55 Rating, Add	3,988.92	
			For Class 56 Rating, Add	5,288.10	
40 05 19 00-0972	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,837.73	1,753.86
			For Class 52 Rating, Deduct	-1,999.84	
			For Class 54 Rating, Add	2,758.94	
			For Class 55 Rating, Add	4,118.00	
			For Class 56 Rating, Add	5,458.87	
40 05 19 00-0973	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,422.03	1,757.91
			For Class 52 Rating, Deduct	-2,063.44	
			For Class 54 Rating, Add	2,845.74	
			For Class 55 Rating, Add	4,247.08	
			For Class 56 Rating, Add	5,629.65	
40 05 19 00-0974	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,006.32	1,761.96
			For Class 52 Rating, Deduct	-2,127.04	
			For Class 54 Rating, Add	2,932.54	
			For Class 55 Rating, Add	4,376.15	
			For Class 56 Rating, Add	5,800.43	
40 05 19 00-0975	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,590.61	1,766.00
			For Class 52 Rating, Deduct	-2,190.63	
			For Class 54 Rating, Add	3,019.34	
			For Class 55 Rating, Add	4,505.23	
			For Class 56 Rating, Add	5,971.21	
40 05 19 00-0976	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,174.90	1,770.05
			For Class 52 Rating, Deduct	-2,254.23	
			For Class 54 Rating, Add	3,106.13	
			For Class 55 Rating, Add	4,634.30	
			For Class 56 Rating, Add	6,141.98	
40 05 19 00-0977	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,759.20	1,774.10
			For Class 52 Rating, Deduct	-2,317.83	
			For Class 54 Rating, Add	3,192.93	
			For Class 55 Rating, Add	4,763.38	
			For Class 56 Rating, Add	6,312.76	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0978	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,343.50	1,778.15
			For Class 52 Rating, Deduct	-2,381.43	
			For Class 54 Rating, Add	3,279.73	
			For Class 55 Rating, Add	4,892.46	
			For Class 56 Rating, Add	6,483.54	
40 05 19 00-0979	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,927.80	1,782.21
			For Class 52 Rating, Deduct	-2,445.02	
			For Class 54 Rating, Add	3,366.53	
			For Class 55 Rating, Add	5,021.54	
			For Class 56 Rating, Add	6,654.32	
40 05 19 00-0980	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,512.09	1,786.26
			For Class 52 Rating, Deduct	-2,508.62	
			For Class 54 Rating, Add	3,453.32	
			For Class 55 Rating, Add	5,150.61	
			For Class 56 Rating, Add	6,825.10	
40 05 19 00-0981	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,096.38	1,790.31
			For Class 52 Rating, Deduct	-2,572.22	
			For Class 54 Rating, Add	3,540.12	
			For Class 55 Rating, Add	5,279.69	
			For Class 56 Rating, Add	6,995.87	
40 05 19 00-0982	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,680.68	1,794.36
			For Class 52 Rating, Deduct	-2,635.81	
			For Class 54 Rating, Add	3,626.92	
			For Class 55 Rating, Add	5,408.76	
			For Class 56 Rating, Add	7,166.65	
40 05 19 00-0983	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,264.98	1,798.41
			For Class 52 Rating, Deduct	-2,699.41	
			For Class 54 Rating, Add	3,713.71	
			For Class 55 Rating, Add	5,537.84	
			For Class 56 Rating, Add	7,337.43	
40 05 19 00-0984	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,849.27	1,802.46
			For Class 52 Rating, Deduct	-2,763.01	
			For Class 54 Rating, Add	3,800.51	
			For Class 55 Rating, Add	5,666.92	
			For Class 56 Rating, Add	7,508.21	
40 05 19 00-0985	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,433.56	1,806.51
			For Class 52 Rating, Deduct	-2,826.61	
			For Class 54 Rating, Add	3,887.31	
			For Class 55 Rating, Add	5,795.99	
			For Class 56 Rating, Add	7,678.98	
40 05 19 00-0986	EA		30" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,017.86	1,810.56
			For Class 52 Rating, Deduct	-2,890.20	
			For Class 54 Rating, Add	3,974.11	
			For Class 55 Rating, Add	5,925.07	
			For Class 56 Rating, Add	7,849.76	
40 05 19 00-0987	EA		30" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,602.15	1,814.61
			For Class 52 Rating, Deduct	-2,953.80	
			For Class 54 Rating, Add	4,060.90	
			For Class 55 Rating, Add	6,054.15	
			For Class 56 Rating, Add	8,020.54	
40 05 19 00-0988	EA		30" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,186.45	1,818.66
			For Class 52 Rating, Deduct	-3,017.40	
			For Class 54 Rating, Add	4,147.70	
			For Class 55 Rating, Add	6,183.22	
			For Class 56 Rating, Add	8,191.32	
40 05 19 00-0989			36" Flanged End x Grooved End (FxG), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0954)</small>		
40 05 19 00-0990	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,716.76	2,114.35
			For Class 52 Rating, Deduct	-936.45	
			For Class 54 Rating, Add	1,315.42	
			For Class 55 Rating, Add	1,975.33	
			For Class 56 Rating, Add	2,626.72	
40 05 19 00-0991	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,509.38	2,118.40
			For Class 52 Rating, Deduct	-1,022.96	
			For Class 54 Rating, Add	1,433.47	
			For Class 55 Rating, Add	2,150.86	
			For Class 56 Rating, Add	2,858.95	
40 05 19 00-0992	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,301.99	2,122.45
			For Class 52 Rating, Deduct	-1,109.48	
			For Class 54 Rating, Add	1,551.51	
			For Class 55 Rating, Add	2,326.39	
			For Class 56 Rating, Add	3,091.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-0993	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,094.61	2,126.50
			For Class 52 Rating, Deduct	-1,195.99	
			For Class 54 Rating, Add	1,669.56	
			For Class 55 Rating, Add	2,501.93	
			For Class 56 Rating, Add	3,323.42	
40 05 19 00-0994	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,887.24	2,130.55
			For Class 52 Rating, Deduct	-1,282.50	
			For Class 54 Rating, Add	1,787.61	
			For Class 55 Rating, Add	2,677.46	
			For Class 56 Rating, Add	3,555.66	
40 05 19 00-0995	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,679.86	2,134.60
			For Class 52 Rating, Deduct	-1,369.02	
			For Class 54 Rating, Add	1,905.65	
			For Class 55 Rating, Add	2,852.99	
			For Class 56 Rating, Add	3,787.89	
40 05 19 00-0996	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,472.47	2,138.65
			For Class 52 Rating, Deduct	-1,455.53	
			For Class 54 Rating, Add	2,023.70	
			For Class 55 Rating, Add	3,028.53	
			For Class 56 Rating, Add	4,020.12	
40 05 19 00-0997	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,265.08	2,142.70
			For Class 52 Rating, Deduct	-1,542.04	
			For Class 54 Rating, Add	2,141.74	
			For Class 55 Rating, Add	3,204.06	
			For Class 56 Rating, Add	4,252.35	
40 05 19 00-0998	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,057.70	2,146.75
			For Class 52 Rating, Deduct	-1,628.56	
			For Class 54 Rating, Add	2,259.79	
			For Class 55 Rating, Add	3,379.59	
			For Class 56 Rating, Add	4,484.59	
40 05 19 00-0999	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,850.33	2,150.80
			For Class 52 Rating, Deduct	-1,715.07	
			For Class 54 Rating, Add	2,377.84	
			For Class 55 Rating, Add	3,555.12	
			For Class 56 Rating, Add	4,716.82	
40 05 19 00-1000	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,642.95	2,154.85
			For Class 52 Rating, Deduct	-1,801.58	
			For Class 54 Rating, Add	2,495.88	
			For Class 55 Rating, Add	3,730.66	
			For Class 56 Rating, Add	4,949.05	
40 05 19 00-1001	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,435.56	2,158.91
			For Class 52 Rating, Deduct	-1,888.10	
			For Class 54 Rating, Add	2,613.93	
			For Class 55 Rating, Add	3,906.19	
			For Class 56 Rating, Add	5,181.29	
40 05 19 00-1002	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,228.18	2,162.96
			For Class 52 Rating, Deduct	-1,974.61	
			For Class 54 Rating, Add	2,731.97	
			For Class 55 Rating, Add	4,081.72	
			For Class 56 Rating, Add	5,413.52	
40 05 19 00-1003	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,020.80	2,167.01
			For Class 52 Rating, Deduct	-2,061.12	
			For Class 54 Rating, Add	2,850.02	
			For Class 55 Rating, Add	4,257.25	
			For Class 56 Rating, Add	5,645.75	
40 05 19 00-1004	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,813.43	2,171.06
			For Class 52 Rating, Deduct	-2,147.63	
			For Class 54 Rating, Add	2,968.07	
			For Class 55 Rating, Add	4,432.79	
			For Class 56 Rating, Add	5,877.99	
40 05 19 00-1005	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,606.04	2,175.10
			For Class 52 Rating, Deduct	-2,234.15	
			For Class 54 Rating, Add	3,086.11	
			For Class 55 Rating, Add	4,608.32	
			For Class 56 Rating, Add	6,110.22	
40 05 19 00-1006	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,398.66	2,179.15
			For Class 52 Rating, Deduct	-2,320.66	
			For Class 54 Rating, Add	3,204.16	
			For Class 55 Rating, Add	4,783.85	
			For Class 56 Rating, Add	6,342.45	
40 05 19 00-1007	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,191.28	2,183.20
			For Class 52 Rating, Deduct	-2,407.17	
			For Class 54 Rating, Add	3,322.20	
			For Class 55 Rating, Add	4,959.39	
			For Class 56 Rating, Add	6,574.68	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1008	EA	36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,983.90		2,187.25
		For Class 52 Rating, Deduct	-2,493.69		
		For Class 54 Rating, Add	3,440.25		
		For Class 55 Rating, Add	5,134.92		
		For Class 56 Rating, Add	6,806.92		
40 05 19 00-1009	EA	36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,776.53		2,191.30
		For Class 52 Rating, Deduct	-2,580.20		
		For Class 54 Rating, Add	3,558.30		
		For Class 55 Rating, Add	5,310.45		
		For Class 56 Rating, Add	7,039.15		
40 05 19 00-1010	EA	36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,569.13		2,195.35
		For Class 52 Rating, Deduct	-2,666.71		
		For Class 54 Rating, Add	3,676.34		
		For Class 55 Rating, Add	5,485.98		
		For Class 56 Rating, Add	7,271.38		
40 05 19 00-1011	EA	36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,361.75		2,199.41
		For Class 52 Rating, Deduct	-2,753.23		
		For Class 54 Rating, Add	3,794.39		
		For Class 55 Rating, Add	5,661.52		
		For Class 56 Rating, Add	7,503.62		
40 05 19 00-1012	EA	36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,154.37		2,203.46
		For Class 52 Rating, Deduct	-2,839.74		
		For Class 54 Rating, Add	3,912.43		
		For Class 55 Rating, Add	5,837.05		
		For Class 56 Rating, Add	7,735.85		
40 05 19 00-1013	EA	36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,946.99		2,207.51
		For Class 52 Rating, Deduct	-2,926.25		
		For Class 54 Rating, Add	4,030.48		
		For Class 55 Rating, Add	6,012.58		
		For Class 56 Rating, Add	7,968.08		
40 05 19 00-1014	EA	36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,739.61		2,211.56
		For Class 52 Rating, Deduct	-3,012.76		
		For Class 54 Rating, Add	4,148.52		
		For Class 55 Rating, Add	6,188.11		
		For Class 56 Rating, Add	8,200.31		
40 05 19 00-1015	EA	36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,532.23		2,215.61
		For Class 52 Rating, Deduct	-3,099.28		
		For Class 54 Rating, Add	4,266.57		
		For Class 55 Rating, Add	6,363.65		
		For Class 56 Rating, Add	8,432.55		
40 05 19 00-1016	EA	36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,324.85		2,219.66
		For Class 52 Rating, Deduct	-3,185.79		
		For Class 54 Rating, Add	4,384.62		
		For Class 55 Rating, Add	6,539.18		
		For Class 56 Rating, Add	8,664.78		
40 05 19 00-1017	EA	36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,117.47		2,223.71
		For Class 52 Rating, Deduct	-3,272.30		
		For Class 54 Rating, Add	4,502.66		
		For Class 55 Rating, Add	6,714.71		
		For Class 56 Rating, Add	8,897.02		
40 05 19 00-1018	EA	36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,910.09		2,227.76
		For Class 52 Rating, Deduct	-3,358.82		
		For Class 54 Rating, Add	4,620.71		
		For Class 55 Rating, Add	6,890.25		
		For Class 56 Rating, Add	9,129.25		
40 05 19 00-1019	EA	36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,702.70		2,231.81
		For Class 52 Rating, Deduct	-3,445.33		
		For Class 54 Rating, Add	4,738.75		
		For Class 55 Rating, Add	7,065.78		
		For Class 56 Rating, Add	9,361.48		
40 05 19 00-1020	EA	36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,495.33		2,235.86
		For Class 52 Rating, Deduct	-3,531.84		
		For Class 54 Rating, Add	4,856.80		
		For Class 55 Rating, Add	7,241.31		
		For Class 56 Rating, Add	9,593.72		
40 05 19 00-1021	EA	36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,287.95		2,239.92
		For Class 52 Rating, Deduct	-3,618.36		
		For Class 54 Rating, Add	4,974.85		
		For Class 55 Rating, Add	7,416.84		
		For Class 56 Rating, Add	9,825.95		
40 05 19 00-1022	EA	36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,080.57		2,243.97
		For Class 52 Rating, Deduct	-3,704.87		
		For Class 54 Rating, Add	5,092.89		
		For Class 55 Rating, Add	7,592.38		
		For Class 56 Rating, Add	10,058.18		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1023	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,873.18	2,248.02
			For Class 52 Rating, Deduct	-3,791.38	
			For Class 54 Rating, Add	5,210.94	
			For Class 55 Rating, Add	7,767.91	
			For Class 56 Rating, Add	10,290.41	
40 05 19 00-1024	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,665.79	2,252.07
			For Class 52 Rating, Deduct	-3,877.89	
			For Class 54 Rating, Add	5,328.98	
			For Class 55 Rating, Add	7,943.44	
			For Class 56 Rating, Add	10,522.65	
40 05 19 00-1025	EA		36" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,458.42	2,256.12
			For Class 52 Rating, Deduct	-3,964.41	
			For Class 54 Rating, Add	5,447.03	
			For Class 55 Rating, Add	8,118.98	
			For Class 56 Rating, Add	10,754.88	
40 05 19 00-1026	EA		36" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,251.04	2,260.16
			For Class 52 Rating, Deduct	-4,050.92	
			For Class 54 Rating, Add	5,565.08	
			For Class 55 Rating, Add	8,294.51	
			For Class 56 Rating, Add	10,987.11	
40 05 19 00-1027	EA		36" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	41,043.66	2,264.21
			For Class 52 Rating, Deduct	-4,137.43	
			For Class 54 Rating, Add	5,683.12	
			For Class 55 Rating, Add	8,470.04	
			For Class 56 Rating, Add	11,219.35	
40 05 19 00-1028			Flanged End x Plain End (FxPE), Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-0001)</small>		
40 05 19 00-1029			4" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-1028)</small>		
40 05 19 00-1030	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	639.54	198.09
			For Class 52 Rating, Deduct	-37.33	
			For Class 54 Rating, Add	54.51	
			For Class 55 Rating, Add	82.89	
			For Class 56 Rating, Add	110.93	
40 05 19 00-1031	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	705.64	201.56
			For Class 52 Rating, Deduct	-44.03	
			For Class 54 Rating, Add	63.70	
			For Class 55 Rating, Add	96.59	
			For Class 56 Rating, Add	129.07	
40 05 19 00-1032	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	771.75	205.03
			For Class 52 Rating, Deduct	-50.72	
			For Class 54 Rating, Add	72.90	
			For Class 55 Rating, Add	110.28	
			For Class 56 Rating, Add	147.21	
40 05 19 00-1033	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	837.86	208.48
			For Class 52 Rating, Deduct	-57.42	
			For Class 54 Rating, Add	82.09	
			For Class 55 Rating, Add	123.98	
			For Class 56 Rating, Add	165.36	
40 05 19 00-1034	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	903.96	211.94
			For Class 52 Rating, Deduct	-64.11	
			For Class 54 Rating, Add	91.28	
			For Class 55 Rating, Add	137.68	
			For Class 56 Rating, Add	183.50	
40 05 19 00-1035	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	970.07	215.41
			For Class 52 Rating, Deduct	-70.81	
			For Class 54 Rating, Add	100.47	
			For Class 55 Rating, Add	151.38	
			For Class 56 Rating, Add	201.64	
40 05 19 00-1036	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,036.18	218.88
			For Class 52 Rating, Deduct	-77.50	
			For Class 54 Rating, Add	109.66	
			For Class 55 Rating, Add	165.08	
			For Class 56 Rating, Add	219.78	
40 05 19 00-1037	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,102.28	222.33
			For Class 52 Rating, Deduct	-84.20	
			For Class 54 Rating, Add	118.86	
			For Class 55 Rating, Add	178.77	
			For Class 56 Rating, Add	237.93	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1038	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,168.38	225.80
			For Class 52 Rating, Deduct	-90.89	
			For Class 54 Rating, Add	128.05	
			For Class 55 Rating, Add	192.47	
			For Class 56 Rating, Add	256.07	
40 05 19 00-1039	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,234.49	229.27
			For Class 52 Rating, Deduct	-97.58	
			For Class 54 Rating, Add	137.24	
			For Class 55 Rating, Add	206.17	
			For Class 56 Rating, Add	274.21	
40 05 19 00-1040	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,300.59	232.72
			For Class 52 Rating, Deduct	-104.28	
			For Class 54 Rating, Add	146.43	
			For Class 55 Rating, Add	219.86	
			For Class 56 Rating, Add	292.35	
40 05 19 00-1041	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,366.70	236.18
			For Class 52 Rating, Deduct	-110.97	
			For Class 54 Rating, Add	155.62	
			For Class 55 Rating, Add	233.56	
			For Class 56 Rating, Add	310.49	
40 05 19 00-1042	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,432.81	239.66
			For Class 52 Rating, Deduct	-117.67	
			For Class 54 Rating, Add	164.81	
			For Class 55 Rating, Add	247.26	
			For Class 56 Rating, Add	328.64	
40 05 19 00-1043	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,498.92	243.12
			For Class 52 Rating, Deduct	-124.36	
			For Class 54 Rating, Add	174.01	
			For Class 55 Rating, Add	260.96	
			For Class 56 Rating, Add	346.78	
40 05 19 00-1044	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,565.02	246.57
			For Class 52 Rating, Deduct	-131.06	
			For Class 54 Rating, Add	183.20	
			For Class 55 Rating, Add	274.66	
			For Class 56 Rating, Add	364.92	
40 05 19 00-1045	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,631.13	250.04
			For Class 52 Rating, Deduct	-137.75	
			For Class 54 Rating, Add	192.39	
			For Class 55 Rating, Add	288.35	
			For Class 56 Rating, Add	383.06	
40 05 19 00-1046	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,697.23	253.50
			For Class 52 Rating, Deduct	-144.45	
			For Class 54 Rating, Add	201.58	
			For Class 55 Rating, Add	302.05	
			For Class 56 Rating, Add	401.20	
40 05 19 00-1047	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,763.33	256.96
			For Class 52 Rating, Deduct	-151.14	
			For Class 54 Rating, Add	210.77	
			For Class 55 Rating, Add	315.75	
			For Class 56 Rating, Add	419.35	
40 05 19 00-1048	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,829.44	260.43
			For Class 52 Rating, Deduct	-157.83	
			For Class 54 Rating, Add	219.96	
			For Class 55 Rating, Add	329.44	
			For Class 56 Rating, Add	437.49	
40 05 19 00-1049	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,895.55	263.90
			For Class 52 Rating, Deduct	-164.53	
			For Class 54 Rating, Add	229.16	
			For Class 55 Rating, Add	343.14	
			For Class 56 Rating, Add	455.63	
40 05 19 00-1050	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,961.65	267.36
			For Class 52 Rating, Deduct	-171.22	
			For Class 54 Rating, Add	238.35	
			For Class 55 Rating, Add	356.84	
			For Class 56 Rating, Add	473.77	
40 05 19 00-1051	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,027.77	270.81
			For Class 52 Rating, Deduct	-177.92	
			For Class 54 Rating, Add	247.54	
			For Class 55 Rating, Add	370.54	
			For Class 56 Rating, Add	491.92	
40 05 19 00-1052	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,093.88	274.28
			For Class 52 Rating, Deduct	-184.61	
			For Class 54 Rating, Add	256.73	
			For Class 55 Rating, Add	384.23	
			For Class 56 Rating, Add	510.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1053	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,159.98	277.74
			For Class 52 Rating, Deduct	-191.31	
			For Class 54 Rating, Add	265.92	
			For Class 55 Rating, Add	397.93	
			For Class 56 Rating, Add	528.20	
40 05 19 00-1054	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,226.08	281.21
			For Class 52 Rating, Deduct	-198.00	
			For Class 54 Rating, Add	275.11	
			For Class 55 Rating, Add	411.63	
			For Class 56 Rating, Add	546.34	
40 05 19 00-1055	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,292.19	284.67
			For Class 52 Rating, Deduct	-204.70	
			For Class 54 Rating, Add	284.31	
			For Class 55 Rating, Add	425.33	
			For Class 56 Rating, Add	564.48	
40 05 19 00-1056	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,358.29	288.14
			For Class 52 Rating, Deduct	-211.39	
			For Class 54 Rating, Add	293.50	
			For Class 55 Rating, Add	439.02	
			For Class 56 Rating, Add	582.63	
40 05 19 00-1057	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,424.40	291.60
			For Class 52 Rating, Deduct	-218.08	
			For Class 54 Rating, Add	302.69	
			For Class 55 Rating, Add	452.72	
			For Class 56 Rating, Add	600.77	
40 05 19 00-1058	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,490.51	295.05
			For Class 52 Rating, Deduct	-224.78	
			For Class 54 Rating, Add	311.88	
			For Class 55 Rating, Add	466.42	
			For Class 56 Rating, Add	618.91	
40 05 19 00-1059	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,556.61	298.52
			For Class 52 Rating, Deduct	-231.47	
			For Class 54 Rating, Add	321.07	
			For Class 55 Rating, Add	480.12	
			For Class 56 Rating, Add	637.05	
40 05 19 00-1060	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,622.72	301.99
			For Class 52 Rating, Deduct	-238.17	
			For Class 54 Rating, Add	330.27	
			For Class 55 Rating, Add	493.61	
			For Class 56 Rating, Add	655.20	
40 05 19 00-1061	EA		4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,688.82	305.46
			For Class 52 Rating, Deduct	-244.86	
			For Class 54 Rating, Add	339.46	
			For Class 55 Rating, Add	507.51	
			For Class 56 Rating, Add	673.34	
40 05 19 00-1062	EA		4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,754.93	308.91
			For Class 52 Rating, Deduct	-251.56	
			For Class 54 Rating, Add	348.65	
			For Class 55 Rating, Add	521.21	
			For Class 56 Rating, Add	691.48	
40 05 19 00-1063	EA		4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,821.03	312.38
			For Class 52 Rating, Deduct	-258.25	
			For Class 54 Rating, Add	357.84	
			For Class 55 Rating, Add	534.90	
			For Class 56 Rating, Add	709.62	
40 05 19 00-1064	EA		4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,887.14	315.84
			For Class 52 Rating, Deduct	-264.95	
			For Class 54 Rating, Add	367.03	
			For Class 55 Rating, Add	548.60	
			For Class 56 Rating, Add	727.76	
40 05 19 00-1065	EA		4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,953.25	319.29
			For Class 52 Rating, Deduct	-271.64	
			For Class 54 Rating, Add	376.22	
			For Class 55 Rating, Add	562.30	
			For Class 56 Rating, Add	745.91	
40 05 19 00-1066	EA		4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,019.35	322.77
			For Class 52 Rating, Deduct	-278.34	
			For Class 54 Rating, Add	385.42	
			For Class 55 Rating, Add	576.00	
			For Class 56 Rating, Add	764.05	
40 05 19 00-1067	EA		4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,085.46	326.23
			For Class 52 Rating, Deduct	-285.03	
			For Class 54 Rating, Add	394.61	
			For Class 55 Rating, Add	589.70	
			For Class 56 Rating, Add	782.19	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1068	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,151.57	329.70
		<i>For Class 52 Rating, Deduct</i>	-291.72	
		<i>For Class 54 Rating, Add</i>	403.80	
		<i>For Class 55 Rating, Add</i>	603.39	
		<i>For Class 56 Rating, Add</i>	800.33	
40 05 19 00-1069		6" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1070	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	801.46	249.34
		<i>For Class 52 Rating, Deduct</i>	-46.60	
		<i>For Class 54 Rating, Add</i>	68.08	
		<i>For Class 55 Rating, Add</i>	103.55	
		<i>For Class 56 Rating, Add</i>	138.58	
40 05 19 00-1071	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	881.62	252.82
		<i>For Class 52 Rating, Deduct</i>	-54.84	
		<i>For Class 54 Rating, Add</i>	79.38	
		<i>For Class 55 Rating, Add</i>	120.37	
		<i>For Class 56 Rating, Add</i>	160.87	
40 05 19 00-1072	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	961.78	256.27
		<i>For Class 52 Rating, Deduct</i>	-63.08	
		<i>For Class 54 Rating, Add</i>	90.68	
		<i>For Class 55 Rating, Add</i>	137.21	
		<i>For Class 56 Rating, Add</i>	183.16	
40 05 19 00-1073	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,041.92	259.74
		<i>For Class 52 Rating, Deduct</i>	-71.32	
		<i>For Class 54 Rating, Add</i>	101.98	
		<i>For Class 55 Rating, Add</i>	154.03	
		<i>For Class 56 Rating, Add</i>	205.44	
40 05 19 00-1074	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,122.07	263.20
		<i>For Class 52 Rating, Deduct</i>	-79.56	
		<i>For Class 54 Rating, Add</i>	113.28	
		<i>For Class 55 Rating, Add</i>	170.86	
		<i>For Class 56 Rating, Add</i>	227.72	
40 05 19 00-1075	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,202.23	266.65
		<i>For Class 52 Rating, Deduct</i>	-87.80	
		<i>For Class 54 Rating, Add</i>	124.58	
		<i>For Class 55 Rating, Add</i>	187.69	
		<i>For Class 56 Rating, Add</i>	250.01	
40 05 19 00-1076	EA	6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,282.38	270.12
		<i>For Class 52 Rating, Deduct</i>	-96.04	
		<i>For Class 54 Rating, Add</i>	135.87	
		<i>For Class 55 Rating, Add</i>	204.52	
		<i>For Class 56 Rating, Add</i>	272.30	
40 05 19 00-1077	EA	6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,362.52	273.59
		<i>For Class 52 Rating, Deduct</i>	-104.28	
		<i>For Class 54 Rating, Add</i>	147.17	
		<i>For Class 55 Rating, Add</i>	221.35	
		<i>For Class 56 Rating, Add</i>	294.58	
40 05 19 00-1078	EA	6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,442.67	277.06
		<i>For Class 52 Rating, Deduct</i>	-112.52	
		<i>For Class 54 Rating, Add</i>	158.47	
		<i>For Class 55 Rating, Add</i>	238.18	
		<i>For Class 56 Rating, Add</i>	316.86	
40 05 19 00-1079	EA	6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,522.83	280.51
		<i>For Class 52 Rating, Deduct</i>	-120.76	
		<i>For Class 54 Rating, Add</i>	169.77	
		<i>For Class 55 Rating, Add</i>	255.01	
		<i>For Class 56 Rating, Add</i>	339.15	
40 05 19 00-1080	EA	6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,602.97	283.98
		<i>For Class 52 Rating, Deduct</i>	-129.00	
		<i>For Class 54 Rating, Add</i>	181.07	
		<i>For Class 55 Rating, Add</i>	271.84	
		<i>For Class 56 Rating, Add</i>	361.44	
40 05 19 00-1081	EA	6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,683.12	287.44
		<i>For Class 52 Rating, Deduct</i>	-137.24	
		<i>For Class 54 Rating, Add</i>	192.37	
		<i>For Class 55 Rating, Add</i>	288.67	
		<i>For Class 56 Rating, Add</i>	383.72	
40 05 19 00-1082	EA	6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,763.28	290.89
		<i>For Class 52 Rating, Deduct</i>	-145.48	
		<i>For Class 54 Rating, Add</i>	203.67	
		<i>For Class 55 Rating, Add</i>	305.50	
		<i>For Class 56 Rating, Add</i>	406.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1083	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,843.42	294.37
			For Class 52 Rating, Deduct	-153.72	
			For Class 54 Rating, Add	214.96	
			For Class 55 Rating, Add	322.33	
			For Class 56 Rating, Add	428.29	
40 05 19 00-1084	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,923.57	297.83
			For Class 52 Rating, Deduct	-161.95	
			For Class 54 Rating, Add	226.26	
			For Class 55 Rating, Add	339.16	
			For Class 56 Rating, Add	450.58	
40 05 19 00-1085	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,003.73	301.30
			For Class 52 Rating, Deduct	-170.19	
			For Class 54 Rating, Add	237.56	
			For Class 55 Rating, Add	355.99	
			For Class 56 Rating, Add	472.86	
40 05 19 00-1086	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,083.87	304.75
			For Class 52 Rating, Deduct	-178.43	
			For Class 54 Rating, Add	248.86	
			For Class 55 Rating, Add	372.81	
			For Class 56 Rating, Add	495.15	
40 05 19 00-1087	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,164.02	308.22
			For Class 52 Rating, Deduct	-186.67	
			For Class 54 Rating, Add	260.16	
			For Class 55 Rating, Add	389.64	
			For Class 56 Rating, Add	517.43	
40 05 19 00-1088	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,244.17	311.69
			For Class 52 Rating, Deduct	-194.91	
			For Class 54 Rating, Add	271.46	
			For Class 55 Rating, Add	406.47	
			For Class 56 Rating, Add	539.72	
40 05 19 00-1089	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,324.32	315.16
			For Class 52 Rating, Deduct	-203.15	
			For Class 54 Rating, Add	282.75	
			For Class 55 Rating, Add	423.30	
			For Class 56 Rating, Add	562.00	
40 05 19 00-1090	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,404.47	318.61
			For Class 52 Rating, Deduct	-211.39	
			For Class 54 Rating, Add	294.05	
			For Class 55 Rating, Add	440.13	
			For Class 56 Rating, Add	584.29	
40 05 19 00-1091	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,484.62	322.07
			For Class 52 Rating, Deduct	-219.63	
			For Class 54 Rating, Add	305.35	
			For Class 55 Rating, Add	456.96	
			For Class 56 Rating, Add	606.57	
40 05 19 00-1092	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,564.77	325.54
			For Class 52 Rating, Deduct	-227.87	
			For Class 54 Rating, Add	316.65	
			For Class 55 Rating, Add	473.79	
			For Class 56 Rating, Add	628.86	
40 05 19 00-1093	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,644.92	328.99
			For Class 52 Rating, Deduct	-236.11	
			For Class 54 Rating, Add	327.95	
			For Class 55 Rating, Add	490.62	
			For Class 56 Rating, Add	651.15	
40 05 19 00-1094	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,725.07	332.47
			For Class 52 Rating, Deduct	-244.35	
			For Class 54 Rating, Add	339.25	
			For Class 55 Rating, Add	507.45	
			For Class 56 Rating, Add	673.43	
40 05 19 00-1095	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,805.23	335.93
			For Class 52 Rating, Deduct	-252.59	
			For Class 54 Rating, Add	350.55	
			For Class 55 Rating, Add	524.28	
			For Class 56 Rating, Add	695.72	
40 05 19 00-1096	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,885.37	339.40
			For Class 52 Rating, Deduct	-260.83	
			For Class 54 Rating, Add	361.84	
			For Class 55 Rating, Add	541.11	
			For Class 56 Rating, Add	718.00	
40 05 19 00-1097	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,965.52	342.85
			For Class 52 Rating, Deduct	-269.07	
			For Class 54 Rating, Add	373.14	
			For Class 55 Rating, Add	557.94	
			For Class 56 Rating, Add	740.29	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-1098	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,045.68	346.31
			For Class 52 Rating, Deduct	-277.31	
			For Class 54 Rating, Add	384.44	
			For Class 55 Rating, Add	574.77	
			For Class 56 Rating, Add	762.57	
40 05 19 00-1099	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,125.82	349.78
			For Class 52 Rating, Deduct	-285.54	
			For Class 54 Rating, Add	395.74	
			For Class 55 Rating, Add	591.60	
			For Class 56 Rating, Add	784.86	
40 05 19 00-1100	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,205.98	353.24
			For Class 52 Rating, Deduct	-293.78	
			For Class 54 Rating, Add	407.04	
			For Class 55 Rating, Add	608.42	
			For Class 56 Rating, Add	807.14	
40 05 19 00-1101	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,286.13	356.70
			For Class 52 Rating, Deduct	-302.02	
			For Class 54 Rating, Add	418.33	
			For Class 55 Rating, Add	625.25	
			For Class 56 Rating, Add	829.43	
40 05 19 00-1102	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,366.28	360.17
			For Class 52 Rating, Deduct	-310.26	
			For Class 54 Rating, Add	429.63	
			For Class 55 Rating, Add	642.08	
			For Class 56 Rating, Add	851.71	
40 05 19 00-1103	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,446.43	363.64
			For Class 52 Rating, Deduct	-318.50	
			For Class 54 Rating, Add	440.93	
			For Class 55 Rating, Add	658.91	
			For Class 56 Rating, Add	874.00	
40 05 19 00-1104	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,526.58	367.09
			For Class 52 Rating, Deduct	-326.74	
			For Class 54 Rating, Add	452.23	
			For Class 55 Rating, Add	675.74	
			For Class 56 Rating, Add	896.28	
40 05 19 00-1105	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,606.73	370.55
			For Class 52 Rating, Deduct	-334.98	
			For Class 54 Rating, Add	463.53	
			For Class 55 Rating, Add	692.57	
			For Class 56 Rating, Add	918.57	
40 05 19 00-1106	EA		6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,686.88	374.03
			For Class 52 Rating, Deduct	-343.22	
			For Class 54 Rating, Add	474.83	
			For Class 55 Rating, Add	709.40	
			For Class 56 Rating, Add	940.85	
40 05 19 00-1107	EA		6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,767.03	377.48
			For Class 52 Rating, Deduct	-351.46	
			For Class 54 Rating, Add	486.13	
			For Class 55 Rating, Add	726.23	
			For Class 56 Rating, Add	963.14	
40 05 19 00-1108	EA		6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,847.18	380.94
			For Class 52 Rating, Deduct	-359.70	
			For Class 54 Rating, Add	497.42	
			For Class 55 Rating, Add	743.06	
			For Class 56 Rating, Add	985.43	
40 05 19 00-1109			8" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)		
40 05 19 00-1110	EA		8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,098.35	318.61
			For Class 52 Rating, Deduct	-67.72	
			For Class 54 Rating, Add	98.13	
			For Class 55 Rating, Add	148.87	
			For Class 56 Rating, Add	198.98	
40 05 19 00-1111	EA		8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,206.59	322.07
			For Class 52 Rating, Deduct	-79.05	
			For Class 54 Rating, Add	113.65	
			For Class 55 Rating, Add	171.96	
			For Class 56 Rating, Add	229.55	
40 05 19 00-1112	EA		8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,314.82	325.54
			For Class 52 Rating, Deduct	-90.37	
			For Class 54 Rating, Add	129.16	
			For Class 55 Rating, Add	195.05	
			For Class 56 Rating, Add	260.13	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1113	EA		8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,423.06	328.99
			For Class 52 Rating, Deduct	-101.70	
			For Class 54 Rating, Add	144.67	
			For Class 55 Rating, Add	218.14	
			For Class 56 Rating, Add	290.70	
40 05 19 00-1114	EA		8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,531.31	332.47
			For Class 52 Rating, Deduct	-113.03	
			For Class 54 Rating, Add	160.18	
			For Class 55 Rating, Add	241.24	
			For Class 56 Rating, Add	321.27	
40 05 19 00-1115	EA		8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,639.55	335.93
			For Class 52 Rating, Deduct	-124.36	
			For Class 54 Rating, Add	175.69	
			For Class 55 Rating, Add	264.33	
			For Class 56 Rating, Add	351.84	
40 05 19 00-1116	EA		8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,747.78	339.40
			For Class 52 Rating, Deduct	-135.69	
			For Class 54 Rating, Add	191.20	
			For Class 55 Rating, Add	287.43	
			For Class 56 Rating, Add	382.41	
40 05 19 00-1117	EA		8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,856.02	342.85
			For Class 52 Rating, Deduct	-147.02	
			For Class 54 Rating, Add	206.72	
			For Class 55 Rating, Add	310.52	
			For Class 56 Rating, Add	412.98	
40 05 19 00-1118	EA		8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,964.26	346.31
			For Class 52 Rating, Deduct	-158.35	
			For Class 54 Rating, Add	222.23	
			For Class 55 Rating, Add	333.61	
			For Class 56 Rating, Add	443.55	
40 05 19 00-1119	EA		8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,072.49	349.78
			For Class 52 Rating, Deduct	-169.68	
			For Class 54 Rating, Add	237.74	
			For Class 55 Rating, Add	356.70	
			For Class 56 Rating, Add	474.12	
40 05 19 00-1120	EA		8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,180.75	353.24
			For Class 52 Rating, Deduct	-181.01	
			For Class 54 Rating, Add	253.25	
			For Class 55 Rating, Add	379.80	
			For Class 56 Rating, Add	504.70	
40 05 19 00-1121	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,288.99	356.70
			For Class 52 Rating, Deduct	-192.34	
			For Class 54 Rating, Add	268.76	
			For Class 55 Rating, Add	402.89	
			For Class 56 Rating, Add	535.27	
40 05 19 00-1122	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,397.22	360.17
			For Class 52 Rating, Deduct	-203.67	
			For Class 54 Rating, Add	284.28	
			For Class 55 Rating, Add	425.98	
			For Class 56 Rating, Add	565.84	
40 05 19 00-1123	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,505.46	363.64
			For Class 52 Rating, Deduct	-215.00	
			For Class 54 Rating, Add	299.79	
			For Class 55 Rating, Add	449.08	
			For Class 56 Rating, Add	596.41	
40 05 19 00-1124	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,613.70	367.09
			For Class 52 Rating, Deduct	-226.32	
			For Class 54 Rating, Add	315.30	
			For Class 55 Rating, Add	472.17	
			For Class 56 Rating, Add	626.98	
40 05 19 00-1125	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,721.93	370.55
			For Class 52 Rating, Deduct	-237.65	
			For Class 54 Rating, Add	330.81	
			For Class 55 Rating, Add	495.26	
			For Class 56 Rating, Add	657.55	
40 05 19 00-1126	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,830.18	374.03
			For Class 52 Rating, Deduct	-248.98	
			For Class 54 Rating, Add	346.32	
			For Class 55 Rating, Add	518.36	
			For Class 56 Rating, Add	688.13	
40 05 19 00-1127	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,938.42	377.48
			For Class 52 Rating, Deduct	-260.31	
			For Class 54 Rating, Add	361.83	
			For Class 55 Rating, Add	541.45	
			For Class 56 Rating, Add	718.70	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1128	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,046.65	380.94
			For Class 52 Rating, Deduct	-271.64	
			For Class 54 Rating, Add	377.35	
			For Class 55 Rating, Add	564.54	
			For Class 56 Rating, Add	749.27	
40 05 19 00-1129	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,154.89	384.41
			For Class 52 Rating, Deduct	-282.97	
			For Class 54 Rating, Add	392.86	
			For Class 55 Rating, Add	587.63	
			For Class 56 Rating, Add	779.84	
40 05 19 00-1130	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,263.13	387.87
			For Class 52 Rating, Deduct	-294.30	
			For Class 54 Rating, Add	408.37	
			For Class 55 Rating, Add	610.73	
			For Class 56 Rating, Add	810.41	
40 05 19 00-1131	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,371.37	391.33
			For Class 52 Rating, Deduct	-305.63	
			For Class 54 Rating, Add	423.88	
			For Class 55 Rating, Add	633.82	
			For Class 56 Rating, Add	840.98	
40 05 19 00-1132	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,479.61	394.80
			For Class 52 Rating, Deduct	-316.96	
			For Class 54 Rating, Add	439.39	
			For Class 55 Rating, Add	656.92	
			For Class 56 Rating, Add	871.56	
40 05 19 00-1133	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,587.85	398.27
			For Class 52 Rating, Deduct	-328.29	
			For Class 54 Rating, Add	454.90	
			For Class 55 Rating, Add	680.01	
			For Class 56 Rating, Add	902.13	
40 05 19 00-1134	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,696.09	401.73
			For Class 52 Rating, Deduct	-339.62	
			For Class 54 Rating, Add	470.42	
			For Class 55 Rating, Add	703.10	
			For Class 56 Rating, Add	932.70	
40 05 19 00-1135	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,804.32	405.18
			For Class 52 Rating, Deduct	-350.94	
			For Class 54 Rating, Add	485.93	
			For Class 55 Rating, Add	726.19	
			For Class 56 Rating, Add	963.27	
40 05 19 00-1136	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,912.56	408.65
			For Class 52 Rating, Deduct	-362.27	
			For Class 54 Rating, Add	501.44	
			For Class 55 Rating, Add	749.29	
			For Class 56 Rating, Add	993.84	
40 05 19 00-1137	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,020.80	412.12
			For Class 52 Rating, Deduct	-373.60	
			For Class 54 Rating, Add	516.95	
			For Class 55 Rating, Add	772.38	
			For Class 56 Rating, Add	1,024.41	
40 05 19 00-1138	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,129.04	415.58
			For Class 52 Rating, Deduct	-384.93	
			For Class 54 Rating, Add	532.46	
			For Class 55 Rating, Add	795.47	
			For Class 56 Rating, Add	1,054.98	
40 05 19 00-1139	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,237.28	419.04
			For Class 52 Rating, Deduct	-396.26	
			For Class 54 Rating, Add	547.97	
			For Class 55 Rating, Add	818.57	
			For Class 56 Rating, Add	1,085.56	
40 05 19 00-1140	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,345.52	422.51
			For Class 52 Rating, Deduct	-407.59	
			For Class 54 Rating, Add	563.49	
			For Class 55 Rating, Add	841.66	
			For Class 56 Rating, Add	1,116.13	
40 05 19 00-1141	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,453.75	425.97
			For Class 52 Rating, Deduct	-418.92	
			For Class 54 Rating, Add	579.00	
			For Class 55 Rating, Add	864.75	
			For Class 56 Rating, Add	1,146.70	
40 05 19 00-1142	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,561.99	429.42
			For Class 52 Rating, Deduct	-430.25	
			For Class 54 Rating, Add	594.51	
			For Class 55 Rating, Add	887.84	
			For Class 56 Rating, Add	1,177.27	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1143	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,670.23	432.90
			For Class 52 Rating, Deduct	-441.58	
			For Class 54 Rating, Add	610.02	
			For Class 55 Rating, Add	910.94	
			For Class 56 Rating, Add	1,207.84	
40 05 19 00-1144	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,778.47	436.36
			For Class 52 Rating, Deduct	-452.91	
			For Class 54 Rating, Add	625.53	
			For Class 55 Rating, Add	934.03	
			For Class 56 Rating, Add	1,238.41	
40 05 19 00-1145	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,886.71	439.82
			For Class 52 Rating, Deduct	-464.24	
			For Class 54 Rating, Add	641.04	
			For Class 55 Rating, Add	957.12	
			For Class 56 Rating, Add	1,268.98	
40 05 19 00-1146	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,994.95	443.28
			For Class 52 Rating, Deduct	-475.56	
			For Class 54 Rating, Add	656.56	
			For Class 55 Rating, Add	980.22	
			For Class 56 Rating, Add	1,299.56	
40 05 19 00-1147	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,103.18	446.75
			For Class 52 Rating, Deduct	-486.89	
			For Class 54 Rating, Add	672.07	
			For Class 55 Rating, Add	1,003.31	
			For Class 56 Rating, Add	1,330.13	
40 05 19 00-1148	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,211.42	450.22
			For Class 52 Rating, Deduct	-498.22	
			For Class 54 Rating, Add	687.58	
			For Class 55 Rating, Add	1,026.40	
			For Class 56 Rating, Add	1,360.70	
<b>40 05 19 00-1149</b>			<b>10" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1150	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,381.19	387.87
			For Class 52 Rating, Deduct	-87.29	
			For Class 54 Rating, Add	126.08	
			For Class 55 Rating, Add	191.06	
			For Class 56 Rating, Add	255.24	
40 05 19 00-1151	EA		10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,522.21	391.33
			For Class 52 Rating, Deduct	-102.22	
			For Class 54 Rating, Add	146.51	
			For Class 55 Rating, Add	221.46	
			For Class 56 Rating, Add	295.48	
40 05 19 00-1152	EA		10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,663.21	394.80
			For Class 52 Rating, Deduct	-117.15	
			For Class 54 Rating, Add	166.93	
			For Class 55 Rating, Add	251.86	
			For Class 56 Rating, Add	335.72	
40 05 19 00-1153	EA		10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,804.22	398.27
			For Class 52 Rating, Deduct	-132.09	
			For Class 54 Rating, Add	187.36	
			For Class 55 Rating, Add	282.26	
			For Class 56 Rating, Add	375.96	
40 05 19 00-1154	EA		10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	1,945.23	401.73
			For Class 52 Rating, Deduct	-147.02	
			For Class 54 Rating, Add	207.79	
			For Class 55 Rating, Add	312.66	
			For Class 56 Rating, Add	416.19	
40 05 19 00-1155	EA		10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,086.23	405.18
			For Class 52 Rating, Deduct	-161.95	
			For Class 54 Rating, Add	228.21	
			For Class 55 Rating, Add	343.06	
			For Class 56 Rating, Add	456.43	
40 05 19 00-1156	EA		10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,227.24	408.65
			For Class 52 Rating, Deduct	-176.89	
			For Class 54 Rating, Add	248.64	
			For Class 55 Rating, Add	373.46	
			For Class 56 Rating, Add	496.67	
40 05 19 00-1157	EA		10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,368.26	412.12
			For Class 52 Rating, Deduct	-191.82	
			For Class 54 Rating, Add	269.07	
			For Class 55 Rating, Add	403.86	
			For Class 56 Rating, Add	536.91	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1158	EA	10"	Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,509.26	415.58
			For Class 52 Rating, Deduct	-206.76	
			For Class 54 Rating, Add	289.50	
			For Class 55 Rating, Add	434.26	
			For Class 56 Rating, Add	577.15	
40 05 19 00-1159	EA	10"	Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,650.27	419.04
			For Class 52 Rating, Deduct	-221.69	
			For Class 54 Rating, Add	309.92	
			For Class 55 Rating, Add	464.66	
			For Class 56 Rating, Add	617.39	
40 05 19 00-1160	EA	10"	Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,791.28	422.51
			For Class 52 Rating, Deduct	-236.62	
			For Class 54 Rating, Add	330.35	
			For Class 55 Rating, Add	495.06	
			For Class 56 Rating, Add	657.63	
40 05 19 00-1161	EA	10"	Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,932.28	425.97
			For Class 52 Rating, Deduct	-251.56	
			For Class 54 Rating, Add	350.78	
			For Class 55 Rating, Add	525.46	
			For Class 56 Rating, Add	697.86	
40 05 19 00-1162	EA	10"	Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,073.30	429.42
			For Class 52 Rating, Deduct	-266.49	
			For Class 54 Rating, Add	371.21	
			For Class 55 Rating, Add	555.87	
			For Class 56 Rating, Add	738.11	
40 05 19 00-1163	EA	10"	Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,214.31	432.90
			For Class 52 Rating, Deduct	-281.43	
			For Class 54 Rating, Add	391.63	
			For Class 55 Rating, Add	586.27	
			For Class 56 Rating, Add	778.34	
40 05 19 00-1164	EA	10"	Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,355.31	436.36
			For Class 52 Rating, Deduct	-296.36	
			For Class 54 Rating, Add	412.06	
			For Class 55 Rating, Add	616.67	
			For Class 56 Rating, Add	818.58	
40 05 19 00-1165	EA	10"	Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,496.32	439.82
			For Class 52 Rating, Deduct	-311.29	
			For Class 54 Rating, Add	432.49	
			For Class 55 Rating, Add	647.07	
			For Class 56 Rating, Add	858.82	
40 05 19 00-1166	EA	10"	Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,637.33	443.28
			For Class 52 Rating, Deduct	-326.23	
			For Class 54 Rating, Add	452.91	
			For Class 55 Rating, Add	677.47	
			For Class 56 Rating, Add	899.06	
40 05 19 00-1167	EA	10"	Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,778.33	446.75
			For Class 52 Rating, Deduct	-341.16	
			For Class 54 Rating, Add	473.34	
			For Class 55 Rating, Add	707.87	
			For Class 56 Rating, Add	939.30	
40 05 19 00-1168	EA	10"	Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,919.35	450.22
			For Class 52 Rating, Deduct	-356.09	
			For Class 54 Rating, Add	493.77	
			For Class 55 Rating, Add	738.27	
			For Class 56 Rating, Add	979.54	
40 05 19 00-1169	EA	10"	Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,060.37	453.67
			For Class 52 Rating, Deduct	-371.03	
			For Class 54 Rating, Add	514.20	
			For Class 55 Rating, Add	768.67	
			For Class 56 Rating, Add	1,019.78	
40 05 19 00-1170	EA	10"	Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,201.38	457.14
			For Class 52 Rating, Deduct	-385.96	
			For Class 54 Rating, Add	534.62	
			For Class 55 Rating, Add	799.07	
			For Class 56 Rating, Add	1,060.01	
40 05 19 00-1171	EA	10"	Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,342.38	460.60
			For Class 52 Rating, Deduct	-400.90	
			For Class 54 Rating, Add	555.05	
			For Class 55 Rating, Add	829.47	
			For Class 56 Rating, Add	1,100.25	
40 05 19 00-1172	EA	10"	Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,483.39	464.05
			For Class 52 Rating, Deduct	-415.83	
			For Class 54 Rating, Add	575.48	
			For Class 55 Rating, Add	859.87	
			For Class 56 Rating, Add	1,140.49	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1173	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,624.40	467.52
			For Class 52 Rating, Deduct	-430.76	
			For Class 54 Rating, Add	595.90	
			For Class 55 Rating, Add	890.27	
			For Class 56 Rating, Add	1,180.73	
40 05 19 00-1174	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,765.41	471.00
			For Class 52 Rating, Deduct	-445.70	
			For Class 54 Rating, Add	616.33	
			For Class 55 Rating, Add	920.68	
			For Class 56 Rating, Add	1,220.97	
40 05 19 00-1175	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,906.42	474.46
			For Class 52 Rating, Deduct	-460.63	
			For Class 54 Rating, Add	636.76	
			For Class 55 Rating, Add	951.08	
			For Class 56 Rating, Add	1,261.21	
40 05 19 00-1176	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,047.43	477.91
			For Class 52 Rating, Deduct	-475.56	
			For Class 54 Rating, Add	657.19	
			For Class 55 Rating, Add	981.48	
			For Class 56 Rating, Add	1,301.44	
40 05 19 00-1177	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,188.43	481.38
			For Class 52 Rating, Deduct	-490.50	
			For Class 54 Rating, Add	677.61	
			For Class 55 Rating, Add	1,011.88	
			For Class 56 Rating, Add	1,341.68	
40 05 19 00-1178	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,329.44	484.84
			For Class 52 Rating, Deduct	-505.43	
			For Class 54 Rating, Add	698.04	
			For Class 55 Rating, Add	1,042.28	
			For Class 56 Rating, Add	1,381.92	
40 05 19 00-1179	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,470.46	488.31
			For Class 52 Rating, Deduct	-520.37	
			For Class 54 Rating, Add	718.47	
			For Class 55 Rating, Add	1,072.68	
			For Class 56 Rating, Add	1,422.16	
40 05 19 00-1180	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,611.46	491.77
			For Class 52 Rating, Deduct	-535.30	
			For Class 54 Rating, Add	738.90	
			For Class 55 Rating, Add	1,103.08	
			For Class 56 Rating, Add	1,462.40	
40 05 19 00-1181	EA		10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,752.47	495.23
			For Class 52 Rating, Deduct	-550.23	
			For Class 54 Rating, Add	759.32	
			For Class 55 Rating, Add	1,133.48	
			For Class 56 Rating, Add	1,502.64	
40 05 19 00-1182	EA		10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,893.48	498.70
			For Class 52 Rating, Deduct	-565.17	
			For Class 54 Rating, Add	779.75	
			For Class 55 Rating, Add	1,163.88	
			For Class 56 Rating, Add	1,542.88	
40 05 19 00-1183	EA		10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,034.48	502.15
			For Class 52 Rating, Deduct	-580.10	
			For Class 54 Rating, Add	800.18	
			For Class 55 Rating, Add	1,194.28	
			For Class 56 Rating, Add	1,583.11	
40 05 19 00-1184	EA		10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,175.49	505.62
			For Class 52 Rating, Deduct	-595.03	
			For Class 54 Rating, Add	820.60	
			For Class 55 Rating, Add	1,224.68	
			For Class 56 Rating, Add	1,623.35	
40 05 19 00-1185	EA		10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,316.51	509.08
			For Class 52 Rating, Deduct	-609.97	
			For Class 54 Rating, Add	841.03	
			For Class 55 Rating, Add	1,255.09	
			For Class 56 Rating, Add	1,663.59	
40 05 19 00-1186	EA		10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,457.52	512.56
			For Class 52 Rating, Deduct	-624.90	
			For Class 54 Rating, Add	861.46	
			For Class 55 Rating, Add	1,285.49	
			For Class 56 Rating, Add	1,703.83	
40 05 19 00-1187	EA		10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,598.52	516.01
			For Class 52 Rating, Deduct	-639.84	
			For Class 54 Rating, Add	881.89	
			For Class 55 Rating, Add	1,315.89	
			For Class 56 Rating, Add	1,744.07	



**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1188	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	6,739.53		519.47
		<i>For Class 52 Rating, Deduct</i> .....	-654.77		
		<i>For Class 54 Rating, Add</i> .....	902.31		
		<i>For Class 55 Rating, Add</i> .....	1,346.29		
		<i>For Class 56 Rating, Add</i> .....	1,784.31		
<b>40 05 19 00-1189</b>		<b>12" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>			
40 05 19 00-1190	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,792.62		484.84
		<i>For Class 52 Rating, Deduct</i> .....	-116.38		
		<i>For Class 54 Rating, Add</i> .....	167.52		
		<i>For Class 55 Rating, Add</i> .....	253.57		
		<i>For Class 56 Rating, Add</i> .....	338.56		
40 05 19 00-1191	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	1,968.74		488.31
		<i>For Class 52 Rating, Deduct</i> .....	-135.18		
		<i>For Class 54 Rating, Add</i> .....	193.21		
		<i>For Class 55 Rating, Add</i> .....	291.80		
		<i>For Class 56 Rating, Add</i> .....	389.15		
40 05 19 00-1192	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,144.85		491.77
		<i>For Class 52 Rating, Deduct</i> .....	-153.97		
		<i>For Class 54 Rating, Add</i> .....	218.90		
		<i>For Class 55 Rating, Add</i> .....	330.03		
		<i>For Class 56 Rating, Add</i> .....	439.75		
40 05 19 00-1193	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,320.97		495.23
		<i>For Class 52 Rating, Deduct</i> .....	-172.77		
		<i>For Class 54 Rating, Add</i> .....	244.60		
		<i>For Class 55 Rating, Add</i> .....	368.26		
		<i>For Class 56 Rating, Add</i> .....	490.35		
40 05 19 00-1194	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,497.10		498.70
		<i>For Class 52 Rating, Deduct</i> .....	-191.57		
		<i>For Class 54 Rating, Add</i> .....	270.29		
		<i>For Class 55 Rating, Add</i> .....	406.49		
		<i>For Class 56 Rating, Add</i> .....	540.94		
40 05 19 00-1195	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,673.21		502.15
		<i>For Class 52 Rating, Deduct</i> .....	-210.36		
		<i>For Class 54 Rating, Add</i> .....	295.99		
		<i>For Class 55 Rating, Add</i> .....	444.72		
		<i>For Class 56 Rating, Add</i> .....	591.54		
40 05 19 00-1196	EA	12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	2,849.33		505.62
		<i>For Class 52 Rating, Deduct</i> .....	-229.16		
		<i>For Class 54 Rating, Add</i> .....	321.68		
		<i>For Class 55 Rating, Add</i> .....	482.95		
		<i>For Class 56 Rating, Add</i> .....	642.14		
40 05 19 00-1197	EA	12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,025.45		509.08
		<i>For Class 52 Rating, Deduct</i> .....	-247.95		
		<i>For Class 54 Rating, Add</i> .....	347.37		
		<i>For Class 55 Rating, Add</i> .....	521.18		
		<i>For Class 56 Rating, Add</i> .....	692.73		
40 05 19 00-1198	EA	12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,201.58		512.56
		<i>For Class 52 Rating, Deduct</i> .....	-266.75		
		<i>For Class 54 Rating, Add</i> .....	373.07		
		<i>For Class 55 Rating, Add</i> .....	559.41		
		<i>For Class 56 Rating, Add</i> .....	743.33		
40 05 19 00-1199	EA	12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,377.69		516.01
		<i>For Class 52 Rating, Deduct</i> .....	-285.54		
		<i>For Class 54 Rating, Add</i> .....	398.76		
		<i>For Class 55 Rating, Add</i> .....	597.64		
		<i>For Class 56 Rating, Add</i> .....	793.92		
40 05 19 00-1200	EA	12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,553.81		519.47
		<i>For Class 52 Rating, Deduct</i> .....	-304.34		
		<i>For Class 54 Rating, Add</i> .....	424.45		
		<i>For Class 55 Rating, Add</i> .....	635.87		
		<i>For Class 56 Rating, Add</i> .....	844.52		
40 05 19 00-1201	EA	12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,729.93		522.94
		<i>For Class 52 Rating, Deduct</i> .....	-323.14		
		<i>For Class 54 Rating, Add</i> .....	450.15		
		<i>For Class 55 Rating, Add</i> .....	674.10		
		<i>For Class 56 Rating, Add</i> .....	895.12		
40 05 19 00-1202	EA	12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,906.05		526.39
		<i>For Class 52 Rating, Deduct</i> .....	-341.93		
		<i>For Class 54 Rating, Add</i> .....	475.84		
		<i>For Class 55 Rating, Add</i> .....	712.33		
		<i>For Class 56 Rating, Add</i> .....	945.71		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1203	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,082.17	529.86
			For Class 52 Rating, Deduct	-360.73	
			For Class 54 Rating, Add	501.54	
			For Class 55 Rating, Add	750.56	
			For Class 56 Rating, Add	996.31	
40 05 19 00-1204	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,258.29	533.33
			For Class 52 Rating, Deduct	-379.52	
			For Class 54 Rating, Add	527.23	
			For Class 55 Rating, Add	788.79	
			For Class 56 Rating, Add	1,046.91	
40 05 19 00-1205	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,434.40	536.80
			For Class 52 Rating, Deduct	-398.32	
			For Class 54 Rating, Add	552.92	
			For Class 55 Rating, Add	827.02	
			For Class 56 Rating, Add	1,097.50	
40 05 19 00-1206	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,610.53	540.25
			For Class 52 Rating, Deduct	-417.12	
			For Class 54 Rating, Add	578.62	
			For Class 55 Rating, Add	865.25	
			For Class 56 Rating, Add	1,148.10	
40 05 19 00-1207	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,786.65	543.71
			For Class 52 Rating, Deduct	-435.91	
			For Class 54 Rating, Add	604.31	
			For Class 55 Rating, Add	903.48	
			For Class 56 Rating, Add	1,198.69	
40 05 19 00-1208	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,962.76	547.18
			For Class 52 Rating, Deduct	-454.71	
			For Class 54 Rating, Add	630.01	
			For Class 55 Rating, Add	941.71	
			For Class 56 Rating, Add	1,249.29	
40 05 19 00-1209	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,138.88	550.63
			For Class 52 Rating, Deduct	-473.50	
			For Class 54 Rating, Add	655.70	
			For Class 55 Rating, Add	979.94	
			For Class 56 Rating, Add	1,299.89	
40 05 19 00-1210	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,315.02	554.11
			For Class 52 Rating, Deduct	-492.30	
			For Class 54 Rating, Add	681.39	
			For Class 55 Rating, Add	1,018.18	
			For Class 56 Rating, Add	1,350.48	
40 05 19 00-1211	EA		12" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,491.13	557.57
			For Class 52 Rating, Deduct	-511.10	
			For Class 54 Rating, Add	707.09	
			For Class 55 Rating, Add	1,056.41	
			For Class 56 Rating, Add	1,401.08	
40 05 19 00-1212	EA		12" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,667.25	561.04
			For Class 52 Rating, Deduct	-529.89	
			For Class 54 Rating, Add	732.78	
			For Class 55 Rating, Add	1,094.64	
			For Class 56 Rating, Add	1,451.68	
40 05 19 00-1213	EA		12" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,843.37	564.49
			For Class 52 Rating, Deduct	-548.69	
			For Class 54 Rating, Add	758.47	
			For Class 55 Rating, Add	1,132.87	
			For Class 56 Rating, Add	1,502.27	
40 05 19 00-1214	EA		12" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,019.50	567.95
			For Class 52 Rating, Deduct	-567.48	
			For Class 54 Rating, Add	784.17	
			For Class 55 Rating, Add	1,171.10	
			For Class 56 Rating, Add	1,552.87	
40 05 19 00-1215	EA		12" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,195.61	571.43
			For Class 52 Rating, Deduct	-586.28	
			For Class 54 Rating, Add	809.86	
			For Class 55 Rating, Add	1,209.33	
			For Class 56 Rating, Add	1,603.47	
40 05 19 00-1216	EA		12" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,371.73	574.89
			For Class 52 Rating, Deduct	-605.08	
			For Class 54 Rating, Add	835.56	
			For Class 55 Rating, Add	1,247.56	
			For Class 56 Rating, Add	1,654.06	
40 05 19 00-1217	EA		12" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,547.85	578.35
			For Class 52 Rating, Deduct	-623.87	
			For Class 54 Rating, Add	861.25	
			For Class 55 Rating, Add	1,285.79	
			For Class 56 Rating, Add	1,704.66	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-1218	EA	12" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,723.97	581.81
		<i>For Class 52 Rating, Deduct</i>	-642.67	
		<i>For Class 54 Rating, Add</i>	886.94	
		<i>For Class 55 Rating, Add</i>	1,324.02	
		<i>For Class 56 Rating, Add</i>	1,755.25	
40 05 19 00-1219	EA	12" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,900.09	585.28
		<i>For Class 52 Rating, Deduct</i>	-661.46	
		<i>For Class 54 Rating, Add</i>	912.64	
		<i>For Class 55 Rating, Add</i>	1,362.25	
		<i>For Class 56 Rating, Add</i>	1,805.85	
40 05 19 00-1220	EA	12" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,076.21	588.73
		<i>For Class 52 Rating, Deduct</i>	-680.26	
		<i>For Class 54 Rating, Add</i>	938.33	
		<i>For Class 55 Rating, Add</i>	1,400.48	
		<i>For Class 56 Rating, Add</i>	1,856.45	
40 05 19 00-1221	EA	12" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,252.32	592.20
		<i>For Class 52 Rating, Deduct</i>	-699.06	
		<i>For Class 54 Rating, Add</i>	964.02	
		<i>For Class 55 Rating, Add</i>	1,438.71	
		<i>For Class 56 Rating, Add</i>	1,907.04	
40 05 19 00-1222	EA	12" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,428.45	595.67
		<i>For Class 52 Rating, Deduct</i>	-717.85	
		<i>For Class 54 Rating, Add</i>	989.72	
		<i>For Class 55 Rating, Add</i>	1,476.94	
		<i>For Class 56 Rating, Add</i>	1,957.64	
40 05 19 00-1223	EA	12" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,604.57	599.13
		<i>For Class 52 Rating, Deduct</i>	-736.65	
		<i>For Class 54 Rating, Add</i>	1,015.41	
		<i>For Class 55 Rating, Add</i>	1,515.17	
		<i>For Class 56 Rating, Add</i>	2,008.24	
40 05 19 00-1224	EA	12" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,780.68	602.58
		<i>For Class 52 Rating, Deduct</i>	-755.44	
		<i>For Class 54 Rating, Add</i>	1,041.11	
		<i>For Class 55 Rating, Add</i>	1,553.40	
		<i>For Class 56 Rating, Add</i>	2,058.83	
40 05 19 00-1225	EA	12" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,956.80	606.05
		<i>For Class 52 Rating, Deduct</i>	-774.24	
		<i>For Class 54 Rating, Add</i>	1,066.80	
		<i>For Class 55 Rating, Add</i>	1,591.63	
		<i>For Class 56 Rating, Add</i>	2,109.43	
40 05 19 00-1226	EA	12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,132.93	609.52
		<i>For Class 52 Rating, Deduct</i>	-793.04	
		<i>For Class 54 Rating, Add</i>	1,092.50	
		<i>For Class 55 Rating, Add</i>	1,629.86	
		<i>For Class 56 Rating, Add</i>	2,160.03	
40 05 19 00-1227	EA	12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,309.04	612.98
		<i>For Class 52 Rating, Deduct</i>	-811.83	
		<i>For Class 54 Rating, Add</i>	1,118.19	
		<i>For Class 55 Rating, Add</i>	1,668.09	
		<i>For Class 56 Rating, Add</i>	2,210.62	
40 05 19 00-1228	EA	12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,485.16	616.44
		<i>For Class 52 Rating, Deduct</i>	-830.63	
		<i>For Class 54 Rating, Add</i>	1,143.88	
		<i>For Class 55 Rating, Add</i>	1,706.32	
		<i>For Class 56 Rating, Add</i>	2,261.22	

## 40 05 19 00-1229 14" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

40 05 19 00-1230	EA	14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,391.29	581.81
		<i>For Class 52 Rating, Deduct</i>	-166.07	
		<i>For Class 54 Rating, Add</i>	237.04	
		<i>For Class 55 Rating, Add</i>	357.83	
		<i>For Class 56 Rating, Add</i>	477.11	
40 05 19 00-1231	EA	14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,604.87	585.28
		<i>For Class 52 Rating, Deduct</i>	-188.99	
		<i>For Class 54 Rating, Add</i>	268.35	
		<i>For Class 55 Rating, Add</i>	404.42	
		<i>For Class 56 Rating, Add</i>	538.76	
40 05 19 00-1232	EA	14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,818.44	588.73
		<i>For Class 52 Rating, Deduct</i>	-211.91	
		<i>For Class 54 Rating, Add</i>	299.67	
		<i>For Class 55 Rating, Add</i>	451.00	
		<i>For Class 56 Rating, Add</i>	600.40	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1233	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,032.01	592.20
			For Class 52 Rating, Deduct	-234.82	
			For Class 54 Rating, Add	330.98	
			For Class 55 Rating, Add	497.58	
			For Class 56 Rating, Add	662.05	
40 05 19 00-1234	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,245.58	595.67
			For Class 52 Rating, Deduct	-257.74	
			For Class 54 Rating, Add	362.29	
			For Class 55 Rating, Add	544.16	
			For Class 56 Rating, Add	723.69	
40 05 19 00-1235	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,459.15	599.13
			For Class 52 Rating, Deduct	-280.65	
			For Class 54 Rating, Add	393.60	
			For Class 55 Rating, Add	590.74	
			For Class 56 Rating, Add	785.34	
40 05 19 00-1236	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,672.72	602.58
			For Class 52 Rating, Deduct	-303.57	
			For Class 54 Rating, Add	424.91	
			For Class 55 Rating, Add	637.33	
			For Class 56 Rating, Add	846.98	
40 05 19 00-1237	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,886.29	606.05
			For Class 52 Rating, Deduct	-326.48	
			For Class 54 Rating, Add	456.22	
			For Class 55 Rating, Add	683.91	
			For Class 56 Rating, Add	908.63	
40 05 19 00-1238	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,099.87	609.52
			For Class 52 Rating, Deduct	-349.40	
			For Class 54 Rating, Add	487.54	
			For Class 55 Rating, Add	730.49	
			For Class 56 Rating, Add	970.27	
40 05 19 00-1239	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,313.43	612.98
			For Class 52 Rating, Deduct	-372.31	
			For Class 54 Rating, Add	518.85	
			For Class 55 Rating, Add	777.07	
			For Class 56 Rating, Add	1,031.92	
40 05 19 00-1240	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,527.01	616.44
			For Class 52 Rating, Deduct	-395.23	
			For Class 54 Rating, Add	550.16	
			For Class 55 Rating, Add	823.66	
			For Class 56 Rating, Add	1,093.56	
40 05 19 00-1241	EA		14" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,740.58	619.91
			For Class 52 Rating, Deduct	-418.15	
			For Class 54 Rating, Add	581.47	
			For Class 55 Rating, Add	870.24	
			For Class 56 Rating, Add	1,155.21	
40 05 19 00-1242	EA		14" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,954.14	623.37
			For Class 52 Rating, Deduct	-441.06	
			For Class 54 Rating, Add	612.78	
			For Class 55 Rating, Add	916.82	
			For Class 56 Rating, Add	1,216.85	
40 05 19 00-1243	EA		14" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,167.72	626.82
			For Class 52 Rating, Deduct	-463.98	
			For Class 54 Rating, Add	644.09	
			For Class 55 Rating, Add	963.40	
			For Class 56 Rating, Add	1,278.49	
40 05 19 00-1244	EA		14" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,381.29	630.29
			For Class 52 Rating, Deduct	-486.89	
			For Class 54 Rating, Add	675.40	
			For Class 55 Rating, Add	1,009.98	
			For Class 56 Rating, Add	1,340.14	
40 05 19 00-1245	EA		14" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,594.87	633.76
			For Class 52 Rating, Deduct	-509.81	
			For Class 54 Rating, Add	706.72	
			For Class 55 Rating, Add	1,056.57	
			For Class 56 Rating, Add	1,401.78	
40 05 19 00-1246	EA		14" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,808.43	637.22
			For Class 52 Rating, Deduct	-532.72	
			For Class 54 Rating, Add	738.03	
			For Class 55 Rating, Add	1,103.15	
			For Class 56 Rating, Add	1,463.43	
40 05 19 00-1247	EA		14" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,022.00	640.68
			For Class 52 Rating, Deduct	-555.64	
			For Class 54 Rating, Add	769.34	
			For Class 55 Rating, Add	1,149.73	
			For Class 56 Rating, Add	1,525.07	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1248	EA	14"	Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,235.58	644.15
			<i>For Class 52 Rating, Deduct</i>	-578.56	
			<i>For Class 54 Rating, Add</i>	800.65	
			<i>For Class 55 Rating, Add</i>	1,196.31	
			<i>For Class 56 Rating, Add</i>	1,586.72	
40 05 19 00-1249	EA	14"	Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,449.14	647.61
			<i>For Class 52 Rating, Deduct</i>	-601.47	
			<i>For Class 54 Rating, Add</i>	831.96	
			<i>For Class 55 Rating, Add</i>	1,242.90	
			<i>For Class 56 Rating, Add</i>	1,648.36	
40 05 19 00-1250	EA	14"	Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,662.72	651.06
			<i>For Class 52 Rating, Deduct</i>	-624.39	
			<i>For Class 54 Rating, Add</i>	863.28	
			<i>For Class 55 Rating, Add</i>	1,289.48	
			<i>For Class 56 Rating, Add</i>	1,710.01	
40 05 19 00-1251	EA	14"	Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,876.30	654.54
			<i>For Class 52 Rating, Deduct</i>	-647.30	
			<i>For Class 54 Rating, Add</i>	894.59	
			<i>For Class 55 Rating, Add</i>	1,336.06	
			<i>For Class 56 Rating, Add</i>	1,771.65	
40 05 19 00-1252	EA	14"	Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,089.86	658.00
			<i>For Class 52 Rating, Deduct</i>	-670.22	
			<i>For Class 54 Rating, Add</i>	925.90	
			<i>For Class 55 Rating, Add</i>	1,382.64	
			<i>For Class 56 Rating, Add</i>	1,833.29	
40 05 19 00-1253	EA	14"	Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,303.44	661.47
			<i>For Class 52 Rating, Deduct</i>	-693.13	
			<i>For Class 54 Rating, Add</i>	957.21	
			<i>For Class 55 Rating, Add</i>	1,429.23	
			<i>For Class 56 Rating, Add</i>	1,894.94	
40 05 19 00-1254	EA	14"	Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,517.01	664.92
			<i>For Class 52 Rating, Deduct</i>	-716.05	
			<i>For Class 54 Rating, Add</i>	988.52	
			<i>For Class 55 Rating, Add</i>	1,475.81	
			<i>For Class 56 Rating, Add</i>	1,956.58	
40 05 19 00-1255	EA	14"	Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,730.58	668.39
			<i>For Class 52 Rating, Deduct</i>	-738.97	
			<i>For Class 54 Rating, Add</i>	1,019.83	
			<i>For Class 55 Rating, Add</i>	1,522.39	
			<i>For Class 56 Rating, Add</i>	2,018.23	
40 05 19 00-1256	EA	14"	Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,944.15	671.86
			<i>For Class 52 Rating, Deduct</i>	-761.88	
			<i>For Class 54 Rating, Add</i>	1,051.14	
			<i>For Class 55 Rating, Add</i>	1,568.97	
			<i>For Class 56 Rating, Add</i>	2,079.87	
40 05 19 00-1257	EA	14"	Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,157.72	675.31
			<i>For Class 52 Rating, Deduct</i>	-784.80	
			<i>For Class 54 Rating, Add</i>	1,082.46	
			<i>For Class 55 Rating, Add</i>	1,615.55	
			<i>For Class 56 Rating, Add</i>	2,141.52	
40 05 19 00-1258	EA	14"	Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,371.29	678.78
			<i>For Class 52 Rating, Deduct</i>	-807.71	
			<i>For Class 54 Rating, Add</i>	1,113.77	
			<i>For Class 55 Rating, Add</i>	1,662.14	
			<i>For Class 56 Rating, Add</i>	2,203.16	
40 05 19 00-1259	EA	14"	Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,584.86	682.24
			<i>For Class 52 Rating, Deduct</i>	-830.63	
			<i>For Class 54 Rating, Add</i>	1,145.08	
			<i>For Class 55 Rating, Add</i>	1,708.72	
			<i>For Class 56 Rating, Add</i>	2,264.81	
40 05 19 00-1260	EA	14"	Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,798.44	685.71
			<i>For Class 52 Rating, Deduct</i>	-853.54	
			<i>For Class 54 Rating, Add</i>	1,176.39	
			<i>For Class 55 Rating, Add</i>	1,755.30	
			<i>For Class 56 Rating, Add</i>	2,326.45	
40 05 19 00-1261	EA	14"	Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,012.01	689.16
			<i>For Class 52 Rating, Deduct</i>	-876.46	
			<i>For Class 54 Rating, Add</i>	1,207.70	
			<i>For Class 55 Rating, Add</i>	1,801.88	
			<i>For Class 56 Rating, Add</i>	2,388.10	
40 05 19 00-1262	EA	14"	Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,225.58	692.64
			<i>For Class 52 Rating, Deduct</i>	-899.38	
			<i>For Class 54 Rating, Add</i>	1,239.01	
			<i>For Class 55 Rating, Add</i>	1,848.47	
			<i>For Class 56 Rating, Add</i>	2,449.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1263	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,439.15	696.10
			<i>For Class 52 Rating, Deduct</i>	-922.29	
			<i>For Class 54 Rating, Add</i>	1,270.33	
			<i>For Class 55 Rating, Add</i>	1,895.05	
			<i>For Class 56 Rating, Add</i>	2,511.38	
40 05 19 00-1264	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,652.72	699.55
			<i>For Class 52 Rating, Deduct</i>	-945.21	
			<i>For Class 54 Rating, Add</i>	1,301.64	
			<i>For Class 55 Rating, Add</i>	1,941.63	
			<i>For Class 56 Rating, Add</i>	2,573.03	
40 05 19 00-1265	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,866.29	703.02
			<i>For Class 52 Rating, Deduct</i>	-968.12	
			<i>For Class 54 Rating, Add</i>	1,332.95	
			<i>For Class 55 Rating, Add</i>	1,988.21	
			<i>For Class 56 Rating, Add</i>	2,634.67	
40 05 19 00-1266	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,079.86	706.48
			<i>For Class 52 Rating, Deduct</i>	-991.04	
			<i>For Class 54 Rating, Add</i>	1,364.26	
			<i>For Class 55 Rating, Add</i>	2,034.79	
			<i>For Class 56 Rating, Add</i>	2,696.32	
40 05 19 00-1267	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,293.44	709.95
			<i>For Class 52 Rating, Deduct</i>	-1,013.95	
			<i>For Class 54 Rating, Add</i>	1,395.57	
			<i>For Class 55 Rating, Add</i>	2,081.38	
			<i>For Class 56 Rating, Add</i>	2,757.96	
<b>40 05 19 00-1268</b>			<b>16" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-1028)</small>		
40 05 19 00-1269	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	2,793.44	664.92
			<i>For Class 52 Rating, Deduct</i>	-196.46	
			<i>For Class 54 Rating, Add</i>	279.99	
			<i>For Class 55 Rating, Add</i>	422.45	
			<i>For Class 56 Rating, Add</i>	563.13	
40 05 19 00-1270	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,042.11	668.39
			<i>For Class 52 Rating, Deduct</i>	-223.23	
			<i>For Class 54 Rating, Add</i>	316.56	
			<i>For Class 55 Rating, Add</i>	476.86	
			<i>For Class 56 Rating, Add</i>	635.13	
40 05 19 00-1271	EA		16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,290.80	671.86
			<i>For Class 52 Rating, Deduct</i>	-250.01	
			<i>For Class 54 Rating, Add</i>	353.14	
			<i>For Class 55 Rating, Add</i>	531.27	
			<i>For Class 56 Rating, Add</i>	707.13	
40 05 19 00-1272	EA		16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,539.48	675.31
			<i>For Class 52 Rating, Deduct</i>	-276.79	
			<i>For Class 54 Rating, Add</i>	389.72	
			<i>For Class 55 Rating, Add</i>	585.69	
			<i>For Class 56 Rating, Add</i>	779.14	
40 05 19 00-1273	EA		16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,788.16	678.78
			<i>For Class 52 Rating, Deduct</i>	-303.57	
			<i>For Class 54 Rating, Add</i>	426.30	
			<i>For Class 55 Rating, Add</i>	640.10	
			<i>For Class 56 Rating, Add</i>	851.14	
40 05 19 00-1274	EA		16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,036.84	682.24
			<i>For Class 52 Rating, Deduct</i>	-330.35	
			<i>For Class 54 Rating, Add</i>	462.88	
			<i>For Class 55 Rating, Add</i>	694.51	
			<i>For Class 56 Rating, Add</i>	923.14	
40 05 19 00-1275	EA		16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,285.53	685.71
			<i>For Class 52 Rating, Deduct</i>	-357.12	
			<i>For Class 54 Rating, Add</i>	499.45	
			<i>For Class 55 Rating, Add</i>	748.92	
			<i>For Class 56 Rating, Add</i>	995.14	
40 05 19 00-1276	EA		16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,534.21	689.16
			<i>For Class 52 Rating, Deduct</i>	-383.90	
			<i>For Class 54 Rating, Add</i>	536.03	
			<i>For Class 55 Rating, Add</i>	803.33	
			<i>For Class 56 Rating, Add</i>	1,067.14	
40 05 19 00-1277	EA		16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,782.89	692.64
			<i>For Class 52 Rating, Deduct</i>	-410.68	
			<i>For Class 54 Rating, Add</i>	572.61	
			<i>For Class 55 Rating, Add</i>	857.75	
			<i>For Class 56 Rating, Add</i>	1,139.15	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1278	EA		16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,031.57	696.10
			For Class 52 Rating, Deduct	-437.46	
			For Class 54 Rating, Add	609.19	
			For Class 55 Rating, Add	912.16	
			For Class 56 Rating, Add	1,211.15	
40 05 19 00-1279	EA		16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,280.26	699.55
			For Class 52 Rating, Deduct	-464.24	
			For Class 54 Rating, Add	645.77	
			For Class 55 Rating, Add	966.57	
			For Class 56 Rating, Add	1,283.15	
40 05 19 00-1280	EA		16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,528.93	703.02
			For Class 52 Rating, Deduct	-491.01	
			For Class 54 Rating, Add	682.34	
			For Class 55 Rating, Add	1,020.98	
			For Class 56 Rating, Add	1,355.15	
40 05 19 00-1281	EA		16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,777.62	706.48
			For Class 52 Rating, Deduct	-517.79	
			For Class 54 Rating, Add	718.92	
			For Class 55 Rating, Add	1,075.39	
			For Class 56 Rating, Add	1,427.16	
40 05 19 00-1282	EA		16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,026.30	709.95
			For Class 52 Rating, Deduct	-544.57	
			For Class 54 Rating, Add	755.50	
			For Class 55 Rating, Add	1,129.80	
			For Class 56 Rating, Add	1,499.16	
40 05 19 00-1283	EA		16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,274.98	713.41
			For Class 52 Rating, Deduct	-571.35	
			For Class 54 Rating, Add	792.08	
			For Class 55 Rating, Add	1,184.22	
			For Class 56 Rating, Add	1,571.16	
40 05 19 00-1284	EA		16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,523.66	716.87
			For Class 52 Rating, Deduct	-598.12	
			For Class 54 Rating, Add	828.66	
			For Class 55 Rating, Add	1,238.63	
			For Class 56 Rating, Add	1,643.16	
40 05 19 00-1285	EA		16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,772.35	720.34
			For Class 52 Rating, Deduct	-624.90	
			For Class 54 Rating, Add	865.24	
			For Class 55 Rating, Add	1,293.04	
			For Class 56 Rating, Add	1,715.17	
40 05 19 00-1286	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,021.02	723.79
			For Class 52 Rating, Deduct	-651.68	
			For Class 54 Rating, Add	901.81	
			For Class 55 Rating, Add	1,347.45	
			For Class 56 Rating, Add	1,787.17	
40 05 19 00-1287	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,269.71	727.26
			For Class 52 Rating, Deduct	-678.46	
			For Class 54 Rating, Add	938.39	
			For Class 55 Rating, Add	1,401.87	
			For Class 56 Rating, Add	1,859.17	
40 05 19 00-1288	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,518.39	730.72
			For Class 52 Rating, Deduct	-705.24	
			For Class 54 Rating, Add	974.97	
			For Class 55 Rating, Add	1,456.28	
			For Class 56 Rating, Add	1,931.17	
40 05 19 00-1289	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,767.07	734.20
			For Class 52 Rating, Deduct	-732.01	
			For Class 54 Rating, Add	1,011.55	
			For Class 55 Rating, Add	1,510.69	
			For Class 56 Rating, Add	2,003.17	
40 05 19 00-1290	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,015.75	737.65
			For Class 52 Rating, Deduct	-758.79	
			For Class 54 Rating, Add	1,048.13	
			For Class 55 Rating, Add	1,565.10	
			For Class 56 Rating, Add	2,075.17	
40 05 19 00-1291	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,264.44	741.11
			For Class 52 Rating, Deduct	-785.57	
			For Class 54 Rating, Add	1,084.71	
			For Class 55 Rating, Add	1,619.51	
			For Class 56 Rating, Add	2,147.18	
40 05 19 00-1292	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,513.12	744.58
			For Class 52 Rating, Deduct	-812.35	
			For Class 54 Rating, Add	1,121.28	
			For Class 55 Rating, Add	1,673.92	
			For Class 56 Rating, Add	2,219.18	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1293	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,761.80	748.05
			For Class 52 Rating, Deduct	-839.13	
			For Class 54 Rating, Add	1,157.86	
			For Class 55 Rating, Add	1,728.34	
			For Class 56 Rating, Add	2,291.18	
40 05 19 00-1294	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,010.48	751.50
			For Class 52 Rating, Deduct	-865.90	
			For Class 54 Rating, Add	1,194.44	
			For Class 55 Rating, Add	1,782.75	
			For Class 56 Rating, Add	2,363.18	
40 05 19 00-1295	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,259.18	754.97
			For Class 52 Rating, Deduct	-892.68	
			For Class 54 Rating, Add	1,231.02	
			For Class 55 Rating, Add	1,837.16	
			For Class 56 Rating, Add	2,435.19	
40 05 19 00-1296	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,507.85	758.44
			For Class 52 Rating, Deduct	-919.46	
			For Class 54 Rating, Add	1,267.60	
			For Class 55 Rating, Add	1,891.57	
			For Class 56 Rating, Add	2,507.19	
40 05 19 00-1297	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,756.54	761.89
			For Class 52 Rating, Deduct	-946.24	
			For Class 54 Rating, Add	1,304.18	
			For Class 55 Rating, Add	1,945.98	
			For Class 56 Rating, Add	2,579.19	
40 05 19 00-1298	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,005.22	765.35
			For Class 52 Rating, Deduct	-973.01	
			For Class 54 Rating, Add	1,340.75	
			For Class 55 Rating, Add	2,000.40	
			For Class 56 Rating, Add	2,651.19	
40 05 19 00-1299	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,253.90	768.82
			For Class 52 Rating, Deduct	-999.79	
			For Class 54 Rating, Add	1,377.33	
			For Class 55 Rating, Add	2,054.81	
			For Class 56 Rating, Add	2,723.20	
40 05 19 00-1300	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,502.58	772.29
			For Class 52 Rating, Deduct	-1,026.57	
			For Class 54 Rating, Add	1,413.91	
			For Class 55 Rating, Add	2,109.22	
			For Class 56 Rating, Add	2,795.20	
40 05 19 00-1301	EA		16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,751.27	775.75
			For Class 52 Rating, Deduct	-1,053.35	
			For Class 54 Rating, Add	1,450.49	
			For Class 55 Rating, Add	2,163.63	
			For Class 56 Rating, Add	2,867.20	
40 05 19 00-1302	EA		16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,999.94	779.21
			For Class 52 Rating, Deduct	-1,080.13	
			For Class 54 Rating, Add	1,487.07	
			For Class 55 Rating, Add	2,218.04	
			For Class 56 Rating, Add	2,939.20	
40 05 19 00-1303	EA		16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,248.63	782.68
			For Class 52 Rating, Deduct	-1,106.90	
			For Class 54 Rating, Add	1,523.64	
			For Class 55 Rating, Add	2,272.46	
			For Class 56 Rating, Add	3,011.21	
40 05 19 00-1304	EA		16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,497.31	786.13
			For Class 52 Rating, Deduct	-1,133.68	
			For Class 54 Rating, Add	1,560.22	
			For Class 55 Rating, Add	2,326.87	
			For Class 56 Rating, Add	3,083.21	
40 05 19 00-1305	EA		16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,745.98	789.59
			For Class 52 Rating, Deduct	-1,160.46	
			For Class 54 Rating, Add	1,596.80	
			For Class 55 Rating, Add	2,381.28	
			For Class 56 Rating, Add	3,155.21	
40 05 19 00-1306	EA		16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,994.67	793.07
			For Class 52 Rating, Deduct	-1,187.24	
			For Class 54 Rating, Add	1,633.38	
			For Class 55 Rating, Add	2,435.69	
			For Class 56 Rating, Add	3,227.21	

40 05 19 00-1307 18" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1308	EA		18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,230.44	749.43
			<i>For Class 52 Rating, Deduct</i>	-230.44	
			<i>For Class 54 Rating, Add</i>	327.87	
			<i>For Class 55 Rating, Add</i>	494.42	
			<i>For Class 56 Rating, Add</i>	658.89	
40 05 19 00-1309	EA		18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,516.58	752.90
			<i>For Class 52 Rating, Deduct</i>	-261.34	
			<i>For Class 54 Rating, Add</i>	370.06	
			<i>For Class 55 Rating, Add</i>	557.19	
			<i>For Class 56 Rating, Add</i>	741.94	
40 05 19 00-1310	EA		18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	3,802.72	756.35
			<i>For Class 52 Rating, Deduct</i>	-292.24	
			<i>For Class 54 Rating, Add</i>	412.26	
			<i>For Class 55 Rating, Add</i>	619.95	
			<i>For Class 56 Rating, Add</i>	824.99	
40 05 19 00-1311	EA		18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,088.84	759.82
			<i>For Class 52 Rating, Deduct</i>	-323.14	
			<i>For Class 54 Rating, Add</i>	454.45	
			<i>For Class 55 Rating, Add</i>	682.71	
			<i>For Class 56 Rating, Add</i>	908.04	
40 05 19 00-1312	EA		18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,374.98	763.28
			<i>For Class 52 Rating, Deduct</i>	-354.03	
			<i>For Class 54 Rating, Add</i>	496.65	
			<i>For Class 55 Rating, Add</i>	745.48	
			<i>For Class 56 Rating, Add</i>	991.09	
40 05 19 00-1313	EA		18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,661.12	766.73
			<i>For Class 52 Rating, Deduct</i>	-384.93	
			<i>For Class 54 Rating, Add</i>	538.85	
			<i>For Class 55 Rating, Add</i>	808.24	
			<i>For Class 56 Rating, Add</i>	1,074.14	
40 05 19 00-1314	EA		18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,947.24	770.21
			<i>For Class 52 Rating, Deduct</i>	-415.83	
			<i>For Class 54 Rating, Add</i>	581.04	
			<i>For Class 55 Rating, Add</i>	871.01	
			<i>For Class 56 Rating, Add</i>	1,157.19	
40 05 19 00-1315	EA		18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,233.38	773.67
			<i>For Class 52 Rating, Deduct</i>	-446.73	
			<i>For Class 54 Rating, Add</i>	623.24	
			<i>For Class 55 Rating, Add</i>	933.77	
			<i>For Class 56 Rating, Add</i>	1,240.24	
40 05 19 00-1316	EA		18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,519.52	777.14
			<i>For Class 52 Rating, Deduct</i>	-477.62	
			<i>For Class 54 Rating, Add</i>	665.44	
			<i>For Class 55 Rating, Add</i>	996.53	
			<i>For Class 56 Rating, Add</i>	1,323.29	
40 05 19 00-1317	EA		18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,805.64	780.59
			<i>For Class 52 Rating, Deduct</i>	-508.52	
			<i>For Class 54 Rating, Add</i>	707.63	
			<i>For Class 55 Rating, Add</i>	1,059.30	
			<i>For Class 56 Rating, Add</i>	1,406.34	
40 05 19 00-1318	EA		18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,091.78	784.06
			<i>For Class 52 Rating, Deduct</i>	-539.42	
			<i>For Class 54 Rating, Add</i>	749.83	
			<i>For Class 55 Rating, Add</i>	1,122.06	
			<i>For Class 56 Rating, Add</i>	1,489.39	
40 05 19 00-1319	EA		18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,377.91	787.53
			<i>For Class 52 Rating, Deduct</i>	-570.32	
			<i>For Class 54 Rating, Add</i>	792.02	
			<i>For Class 55 Rating, Add</i>	1,184.82	
			<i>For Class 56 Rating, Add</i>	1,572.44	
40 05 19 00-1320	EA		18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,664.05	790.98
			<i>For Class 52 Rating, Deduct</i>	-601.21	
			<i>For Class 54 Rating, Add</i>	834.22	
			<i>For Class 55 Rating, Add</i>	1,247.59	
			<i>For Class 56 Rating, Add</i>	1,655.49	
40 05 19 00-1321	EA		18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,950.18	794.45
			<i>For Class 52 Rating, Deduct</i>	-632.11	
			<i>For Class 54 Rating, Add</i>	876.42	
			<i>For Class 55 Rating, Add</i>	1,310.35	
			<i>For Class 56 Rating, Add</i>	1,738.54	
40 05 19 00-1322	EA		18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,236.31	797.91
			<i>For Class 52 Rating, Deduct</i>	-663.01	
			<i>For Class 54 Rating, Add</i>	918.61	
			<i>For Class 55 Rating, Add</i>	1,373.11	
			<i>For Class 56 Rating, Add</i>	1,821.59	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1323	EA		18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,522.45	801.38
			For Class 52 Rating, Deduct	-693.91	
			For Class 54 Rating, Add	960.81	
			For Class 55 Rating, Add	1,435.88	
			For Class 56 Rating, Add	1,904.64	
40 05 19 00-1324	EA		18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,808.58	804.83
			For Class 52 Rating, Deduct	-724.80	
			For Class 54 Rating, Add	1,003.00	
			For Class 55 Rating, Add	1,498.64	
			For Class 56 Rating, Add	1,987.69	
40 05 19 00-1325	EA		18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,094.71	808.30
			For Class 52 Rating, Deduct	-755.70	
			For Class 54 Rating, Add	1,045.20	
			For Class 55 Rating, Add	1,561.41	
			For Class 56 Rating, Add	2,070.74	
40 05 19 00-1326	EA		18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,380.85	811.77
			For Class 52 Rating, Deduct	-786.60	
			For Class 54 Rating, Add	1,087.39	
			For Class 55 Rating, Add	1,624.17	
			For Class 56 Rating, Add	2,153.79	
40 05 19 00-1327	EA		18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,666.98	815.22
			For Class 52 Rating, Deduct	-817.50	
			For Class 54 Rating, Add	1,129.59	
			For Class 55 Rating, Add	1,686.93	
			For Class 56 Rating, Add	2,236.84	
40 05 19 00-1328	EA		18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,953.11	818.69
			For Class 52 Rating, Deduct	-848.39	
			For Class 54 Rating, Add	1,171.79	
			For Class 55 Rating, Add	1,749.70	
			For Class 56 Rating, Add	2,319.89	
40 05 19 00-1329	EA		18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,239.25	822.15
			For Class 52 Rating, Deduct	-879.29	
			For Class 54 Rating, Add	1,213.98	
			For Class 55 Rating, Add	1,812.46	
			For Class 56 Rating, Add	2,402.95	
40 05 19 00-1330	EA		18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,525.38	825.62
			For Class 52 Rating, Deduct	-910.19	
			For Class 54 Rating, Add	1,256.18	
			For Class 55 Rating, Add	1,875.22	
			For Class 56 Rating, Add	2,486.00	
40 05 19 00-1331	EA		18" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,811.51	829.08
			For Class 52 Rating, Deduct	-941.09	
			For Class 54 Rating, Add	1,298.37	
			For Class 55 Rating, Add	1,937.99	
			For Class 56 Rating, Add	2,569.04	
40 05 19 00-1332	EA		18" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,097.65	832.54
			For Class 52 Rating, Deduct	-971.98	
			For Class 54 Rating, Add	1,340.57	
			For Class 55 Rating, Add	2,000.75	
			For Class 56 Rating, Add	2,652.10	
40 05 19 00-1333	EA		18" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,383.77	836.01
			For Class 52 Rating, Deduct	-1,002.88	
			For Class 54 Rating, Add	1,382.77	
			For Class 55 Rating, Add	2,063.51	
			For Class 56 Rating, Add	2,735.14	
40 05 19 00-1334	EA		18" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,669.91	839.47
			For Class 52 Rating, Deduct	-1,033.78	
			For Class 54 Rating, Add	1,424.96	
			For Class 55 Rating, Add	2,126.28	
			For Class 56 Rating, Add	2,818.20	
40 05 19 00-1335	EA		18" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,956.05	842.93
			For Class 52 Rating, Deduct	-1,064.68	
			For Class 54 Rating, Add	1,467.16	
			For Class 55 Rating, Add	2,189.04	
			For Class 56 Rating, Add	2,901.25	
40 05 19 00-1336	EA		18" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,242.18	846.39
			For Class 52 Rating, Deduct	-1,095.57	
			For Class 54 Rating, Add	1,509.35	
			For Class 55 Rating, Add	2,251.80	
			For Class 56 Rating, Add	2,984.30	
40 05 19 00-1337	EA		18" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,528.32	849.87
			For Class 52 Rating, Deduct	-1,126.47	
			For Class 54 Rating, Add	1,551.55	
			For Class 55 Rating, Add	2,314.57	
			For Class 56 Rating, Add	3,067.35	



**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1338	EA		18" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	11,814.46	853.32
			<i>For Class 52 Rating, Deduct</i> .....	-1,157.37	
			<i>For Class 54 Rating, Add</i> .....	1,593.75	
			<i>For Class 55 Rating, Add</i> .....	2,377.33	
			<i>For Class 56 Rating, Add</i> .....	3,150.40	
40 05 19 00-1339	EA		18" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,100.59	856.78
			<i>For Class 52 Rating, Deduct</i> .....	-1,188.27	
			<i>For Class 54 Rating, Add</i> .....	1,635.94	
			<i>For Class 55 Rating, Add</i> .....	2,440.10	
			<i>For Class 56 Rating, Add</i> .....	3,233.45	
40 05 19 00-1340	EA		18" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,386.72	860.25
			<i>For Class 52 Rating, Deduct</i> .....	-1,219.16	
			<i>For Class 54 Rating, Add</i> .....	1,678.14	
			<i>For Class 55 Rating, Add</i> .....	2,502.86	
			<i>For Class 56 Rating, Add</i> .....	3,316.50	
40 05 19 00-1341	EA		18" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,672.86	863.71
			<i>For Class 52 Rating, Deduct</i> .....	-1,250.06	
			<i>For Class 54 Rating, Add</i> .....	1,720.33	
			<i>For Class 55 Rating, Add</i> .....	2,565.62	
			<i>For Class 56 Rating, Add</i> .....	3,399.55	
40 05 19 00-1342	EA		18" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	12,958.99	867.17
			<i>For Class 52 Rating, Deduct</i> .....	-1,280.96	
			<i>For Class 54 Rating, Add</i> .....	1,762.53	
			<i>For Class 55 Rating, Add</i> .....	2,628.39	
			<i>For Class 56 Rating, Add</i> .....	3,482.60	
40 05 19 00-1343	EA		18" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,245.12	870.64
			<i>For Class 52 Rating, Deduct</i> .....	-1,311.86	
			<i>For Class 54 Rating, Add</i> .....	1,804.73	
			<i>For Class 55 Rating, Add</i> .....	2,691.15	
			<i>For Class 56 Rating, Add</i> .....	3,565.65	
40 05 19 00-1344	EA		18" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,531.25	874.11
			<i>For Class 52 Rating, Deduct</i> .....	-1,342.75	
			<i>For Class 54 Rating, Add</i> .....	1,846.92	
			<i>For Class 55 Rating, Add</i> .....	2,753.91	
			<i>For Class 56 Rating, Add</i> .....	3,648.70	
40 05 19 00-1345	EA		18" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	13,817.39	877.56
			<i>For Class 52 Rating, Deduct</i> .....	-1,373.65	
			<i>For Class 54 Rating, Add</i> .....	1,889.12	
			<i>For Class 55 Rating, Add</i> .....	2,816.68	
			<i>For Class 56 Rating, Add</i> .....	3,731.75	
40 05 19 00-1346			<b>20" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> (40 05 19 00-1028)		
40 05 19 00-1347	EA		20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	3,763.18	855.40
			<i>For Class 52 Rating, Deduct</i> .....	-271.38	
			<i>For Class 54 Rating, Add</i> .....	385.62	
			<i>For Class 55 Rating, Add</i> .....	581.27	
			<i>For Class 56 Rating, Add</i> .....	774.46	
40 05 19 00-1348	EA		20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,091.45	858.87
			<i>For Class 52 Rating, Deduct</i> .....	-306.92	
			<i>For Class 54 Rating, Add</i> .....	434.14	
			<i>For Class 55 Rating, Add</i> .....	653.43	
			<i>For Class 56 Rating, Add</i> .....	869.94	
40 05 19 00-1349	EA		20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,419.72	862.32
			<i>For Class 52 Rating, Deduct</i> .....	-342.45	
			<i>For Class 54 Rating, Add</i> .....	482.65	
			<i>For Class 55 Rating, Add</i> .....	725.59	
			<i>For Class 56 Rating, Add</i> .....	965.42	
40 05 19 00-1350	EA		20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	4,747.99	865.79
			<i>For Class 52 Rating, Deduct</i> .....	-377.98	
			<i>For Class 54 Rating, Add</i> .....	531.17	
			<i>For Class 55 Rating, Add</i> .....	797.75	
			<i>For Class 56 Rating, Add</i> .....	1,060.90	
40 05 19 00-1351	EA		20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,076.25	869.25
			<i>For Class 52 Rating, Deduct</i> .....	-413.51	
			<i>For Class 54 Rating, Add</i> .....	579.68	
			<i>For Class 55 Rating, Add</i> .....	869.91	
			<i>For Class 56 Rating, Add</i> .....	1,156.38	
40 05 19 00-1352	EA		20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	5,404.52	872.70
			<i>For Class 52 Rating, Deduct</i> .....	-449.04	
			<i>For Class 54 Rating, Add</i> .....	628.20	
			<i>For Class 55 Rating, Add</i> .....	942.07	
			<i>For Class 56 Rating, Add</i> .....	1,251.86	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1353	EA		20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,732.79	876.18
			For Class 52 Rating, Deduct	-484.58	
			For Class 54 Rating, Add	676.72	
			For Class 55 Rating, Add	1,014.23	
			For Class 56 Rating, Add	1,347.34	
40 05 19 00-1354	EA		20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,061.04	879.64
			For Class 52 Rating, Deduct	-520.11	
			For Class 54 Rating, Add	725.23	
			For Class 55 Rating, Add	1,086.39	
			For Class 56 Rating, Add	1,442.81	
40 05 19 00-1355	EA		20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,389.31	883.11
			For Class 52 Rating, Deduct	-555.64	
			For Class 54 Rating, Add	773.75	
			For Class 55 Rating, Add	1,158.55	
			For Class 56 Rating, Add	1,538.29	
40 05 19 00-1356	EA		20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,717.58	886.56
			For Class 52 Rating, Deduct	-591.17	
			For Class 54 Rating, Add	822.26	
			For Class 55 Rating, Add	1,230.71	
			For Class 56 Rating, Add	1,633.77	
40 05 19 00-1357	EA		20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,045.84	890.03
			For Class 52 Rating, Deduct	-626.70	
			For Class 54 Rating, Add	870.78	
			For Class 55 Rating, Add	1,302.86	
			For Class 56 Rating, Add	1,729.25	
40 05 19 00-1358	EA		20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,374.11	893.50
			For Class 52 Rating, Deduct	-662.24	
			For Class 54 Rating, Add	919.29	
			For Class 55 Rating, Add	1,375.02	
			For Class 56 Rating, Add	1,824.73	
40 05 19 00-1359	EA		20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,702.38	896.95
			For Class 52 Rating, Deduct	-697.77	
			For Class 54 Rating, Add	967.81	
			For Class 55 Rating, Add	1,447.18	
			For Class 56 Rating, Add	1,920.21	
40 05 19 00-1360	EA		20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,030.64	900.42
			For Class 52 Rating, Deduct	-733.30	
			For Class 54 Rating, Add	1,016.33	
			For Class 55 Rating, Add	1,519.34	
			For Class 56 Rating, Add	2,015.69	
40 05 19 00-1361	EA		20" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,358.91	903.88
			For Class 52 Rating, Deduct	-768.83	
			For Class 54 Rating, Add	1,064.84	
			For Class 55 Rating, Add	1,591.50	
			For Class 56 Rating, Add	2,111.77	
40 05 19 00-1362	EA		20" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,687.18	907.35
			For Class 52 Rating, Deduct	-804.37	
			For Class 54 Rating, Add	1,113.36	
			For Class 55 Rating, Add	1,663.66	
			For Class 56 Rating, Add	2,206.65	
40 05 19 00-1363	EA		20" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,015.44	910.80
			For Class 52 Rating, Deduct	-839.90	
			For Class 54 Rating, Add	1,161.87	
			For Class 55 Rating, Add	1,735.82	
			For Class 56 Rating, Add	2,302.13	
40 05 19 00-1364	EA		20" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,343.71	914.28
			For Class 52 Rating, Deduct	-875.43	
			For Class 54 Rating, Add	1,210.39	
			For Class 55 Rating, Add	1,807.98	
			For Class 56 Rating, Add	2,397.61	
40 05 19 00-1365	EA		20" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,671.98	917.74
			For Class 52 Rating, Deduct	-910.96	
			For Class 54 Rating, Add	1,258.91	
			For Class 55 Rating, Add	1,880.14	
			For Class 56 Rating, Add	2,493.09	
40 05 19 00-1366	EA		20" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,000.24	921.21
			For Class 52 Rating, Deduct	-946.49	
			For Class 54 Rating, Add	1,307.42	
			For Class 55 Rating, Add	1,952.30	
			For Class 56 Rating, Add	2,588.57	
40 05 19 00-1367	EA		20" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,328.51	924.66
			For Class 52 Rating, Deduct	-982.03	
			For Class 54 Rating, Add	1,355.94	
			For Class 55 Rating, Add	2,024.46	
			For Class 56 Rating, Add	2,684.05	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-1368	EA	20" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	10,656.78	928.12
		<i>For Class 52 Rating, Deduct</i>	.....	-1,017.56	
		<i>For Class 54 Rating, Add</i>	.....	1,404.45	
		<i>For Class 55 Rating, Add</i>	.....	2,096.62	
		<i>For Class 56 Rating, Add</i>	.....	2,779.53	
40 05 19 00-1369	EA	20" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	10,985.04	931.60
		<i>For Class 52 Rating, Deduct</i>	.....	-1,053.09	
		<i>For Class 54 Rating, Add</i>	.....	1,452.97	
		<i>For Class 55 Rating, Add</i>	.....	2,168.78	
		<i>For Class 56 Rating, Add</i>	.....	2,875.01	
40 05 19 00-1370	EA	20" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	11,313.30	935.05
		<i>For Class 52 Rating, Deduct</i>	.....	-1,088.62	
		<i>For Class 54 Rating, Add</i>	.....	1,501.48	
		<i>For Class 55 Rating, Add</i>	.....	2,240.93	
		<i>For Class 56 Rating, Add</i>	.....	2,970.49	
40 05 19 00-1371	EA	20" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	11,641.57	938.52
		<i>For Class 52 Rating, Deduct</i>	.....	-1,124.15	
		<i>For Class 54 Rating, Add</i>	.....	1,550.00	
		<i>For Class 55 Rating, Add</i>	.....	2,313.09	
		<i>For Class 56 Rating, Add</i>	.....	3,065.97	
40 05 19 00-1372	EA	20" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	11,969.84	941.98
		<i>For Class 52 Rating, Deduct</i>	.....	-1,159.69	
		<i>For Class 54 Rating, Add</i>	.....	1,598.52	
		<i>For Class 55 Rating, Add</i>	.....	2,385.25	
		<i>For Class 56 Rating, Add</i>	.....	3,161.45	
40 05 19 00-1373	EA	20" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	12,298.10	945.45
		<i>For Class 52 Rating, Deduct</i>	.....	-1,195.22	
		<i>For Class 54 Rating, Add</i>	.....	1,647.03	
		<i>For Class 55 Rating, Add</i>	.....	2,457.41	
		<i>For Class 56 Rating, Add</i>	.....	3,256.93	
40 05 19 00-1374	EA	20" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	12,626.37	948.90
		<i>For Class 52 Rating, Deduct</i>	.....	-1,230.75	
		<i>For Class 54 Rating, Add</i>	.....	1,695.55	
		<i>For Class 55 Rating, Add</i>	.....	2,529.57	
		<i>For Class 56 Rating, Add</i>	.....	3,352.41	
40 05 19 00-1375	EA	20" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	12,954.64	952.37
		<i>For Class 52 Rating, Deduct</i>	.....	-1,266.28	
		<i>For Class 54 Rating, Add</i>	.....	1,744.06	
		<i>For Class 55 Rating, Add</i>	.....	2,601.73	
		<i>For Class 56 Rating, Add</i>	.....	3,447.89	
40 05 19 00-1376	EA	20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	13,282.91	955.84
		<i>For Class 52 Rating, Deduct</i>	.....	-1,301.81	
		<i>For Class 54 Rating, Add</i>	.....	1,792.58	
		<i>For Class 55 Rating, Add</i>	.....	2,673.89	
		<i>For Class 56 Rating, Add</i>	.....	3,543.37	
40 05 19 00-1377	EA	20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	13,611.18	959.29
		<i>For Class 52 Rating, Deduct</i>	.....	-1,337.35	
		<i>For Class 54 Rating, Add</i>	.....	1,841.10	
		<i>For Class 55 Rating, Add</i>	.....	2,746.05	
		<i>For Class 56 Rating, Add</i>	.....	3,638.85	
40 05 19 00-1378	EA	20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	13,939.45	962.75
		<i>For Class 52 Rating, Deduct</i>	.....	-1,372.88	
		<i>For Class 54 Rating, Add</i>	.....	1,889.61	
		<i>For Class 55 Rating, Add</i>	.....	2,818.21	
		<i>For Class 56 Rating, Add</i>	.....	3,734.33	
40 05 19 00-1379	EA	20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	14,267.71	966.22
		<i>For Class 52 Rating, Deduct</i>	.....	-1,408.41	
		<i>For Class 54 Rating, Add</i>	.....	1,938.13	
		<i>For Class 55 Rating, Add</i>	.....	2,890.37	
		<i>For Class 56 Rating, Add</i>	.....	3,829.81	
40 05 19 00-1380	EA	20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	14,595.98	969.69
		<i>For Class 52 Rating, Deduct</i>	.....	-1,443.94	
		<i>For Class 54 Rating, Add</i>	.....	1,986.64	
		<i>For Class 55 Rating, Add</i>	.....	2,962.53	
		<i>For Class 56 Rating, Add</i>	.....	3,925.29	
40 05 19 00-1381	EA	20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	14,924.25	973.15
		<i>For Class 52 Rating, Deduct</i>	.....	-1,479.48	
		<i>For Class 54 Rating, Add</i>	.....	2,035.16	
		<i>For Class 55 Rating, Add</i>	.....	3,034.69	
		<i>For Class 56 Rating, Add</i>	.....	4,020.77	
40 05 19 00-1382	EA	20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	.....	15,252.51	976.61
		<i>For Class 52 Rating, Deduct</i>	.....	-1,515.01	
		<i>For Class 54 Rating, Add</i>	.....	2,083.68	
		<i>For Class 55 Rating, Add</i>	.....	3,106.85	
		<i>For Class 56 Rating, Add</i>	.....	4,116.25	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1383	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,580.78	980.08
			<i>For Class 52 Rating, Deduct</i>	-1,550.54	
			<i>For Class 54 Rating, Add</i>	2,132.19	
			<i>For Class 55 Rating, Add</i>	3,179.01	
			<i>For Class 56 Rating, Add</i>	4,211.73	
40 05 19 00-1384	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,909.05	983.53
			<i>For Class 52 Rating, Deduct</i>	-1,586.07	
			<i>For Class 54 Rating, Add</i>	2,180.71	
			<i>For Class 55 Rating, Add</i>	3,251.17	
			<i>For Class 56 Rating, Add</i>	4,307.21	
<b>40 05 19 00-1385</b>			<b>24" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b>		
40 05 19 00-1386	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	4,612.57	1,011.23
			<i>For Class 52 Rating, Deduct</i>	-338.84	
			<i>For Class 54 Rating, Add</i>	480.44	
			<i>For Class 55 Rating, Add</i>	723.70	
			<i>For Class 56 Rating, Add</i>	963.87	
40 05 19 00-1387	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,018.08	1,014.71
			<i>For Class 52 Rating, Deduct</i>	-382.87	
			<i>For Class 54 Rating, Add</i>	540.55	
			<i>For Class 55 Rating, Add</i>	813.08	
			<i>For Class 56 Rating, Add</i>	1,082.14	
40 05 19 00-1388	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,423.59	1,018.17
			<i>For Class 52 Rating, Deduct</i>	-426.90	
			<i>For Class 54 Rating, Add</i>	600.65	
			<i>For Class 55 Rating, Add</i>	902.47	
			<i>For Class 56 Rating, Add</i>	1,200.40	
40 05 19 00-1389	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	5,829.10	1,021.63
			<i>For Class 52 Rating, Deduct</i>	-470.93	
			<i>For Class 54 Rating, Add</i>	660.75	
			<i>For Class 55 Rating, Add</i>	991.85	
			<i>For Class 56 Rating, Add</i>	1,318.67	
40 05 19 00-1390	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,234.61	1,025.09
			<i>For Class 52 Rating, Deduct</i>	-514.96	
			<i>For Class 54 Rating, Add</i>	720.85	
			<i>For Class 55 Rating, Add</i>	1,081.24	
			<i>For Class 56 Rating, Add</i>	1,436.94	
40 05 19 00-1391	EA		24" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	6,640.12	1,028.56
			<i>For Class 52 Rating, Deduct</i>	-558.99	
			<i>For Class 54 Rating, Add</i>	780.96	
			<i>For Class 55 Rating, Add</i>	1,170.62	
			<i>For Class 56 Rating, Add</i>	1,555.20	
40 05 19 00-1392	EA		24" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,045.63	1,032.03
			<i>For Class 52 Rating, Deduct</i>	-603.02	
			<i>For Class 54 Rating, Add</i>	841.06	
			<i>For Class 55 Rating, Add</i>	1,260.01	
			<i>For Class 56 Rating, Add</i>	1,673.47	
40 05 19 00-1393	EA		24" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,451.14	1,035.48
			<i>For Class 52 Rating, Deduct</i>	-647.05	
			<i>For Class 54 Rating, Add</i>	901.16	
			<i>For Class 55 Rating, Add</i>	1,349.39	
			<i>For Class 56 Rating, Add</i>	1,791.74	
40 05 19 00-1394	EA		24" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,856.65	1,038.95
			<i>For Class 52 Rating, Deduct</i>	-691.07	
			<i>For Class 54 Rating, Add</i>	961.26	
			<i>For Class 55 Rating, Add</i>	1,438.78	
			<i>For Class 56 Rating, Add</i>	1,910.00	
40 05 19 00-1395	EA		24" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,262.17	1,042.41
			<i>For Class 52 Rating, Deduct</i>	-735.10	
			<i>For Class 54 Rating, Add</i>	1,021.37	
			<i>For Class 55 Rating, Add</i>	1,528.16	
			<i>For Class 56 Rating, Add</i>	2,028.27	
40 05 19 00-1396	EA		24" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,667.67	1,045.86
			<i>For Class 52 Rating, Deduct</i>	-779.13	
			<i>For Class 54 Rating, Add</i>	1,081.47	
			<i>For Class 55 Rating, Add</i>	1,617.55	
			<i>For Class 56 Rating, Add</i>	2,146.54	
40 05 19 00-1397	EA		24" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,073.18	1,049.33
			<i>For Class 52 Rating, Deduct</i>	-823.16	
			<i>For Class 54 Rating, Add</i>	1,141.57	
			<i>For Class 55 Rating, Add</i>	1,706.93	
			<i>For Class 56 Rating, Add</i>	2,264.80	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1398	EA	24" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,478.69	1,052.81
		For Class 52 Rating, Deduct	-867.19	
		For Class 54 Rating, Add	1,201.67	
		For Class 55 Rating, Add	1,796.31	
		For Class 56 Rating, Add	2,383.07	
40 05 19 00-1399	EA	24" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,884.21	1,056.27
		For Class 52 Rating, Deduct	-911.22	
		For Class 54 Rating, Add	1,261.78	
		For Class 55 Rating, Add	1,865.70	
		For Class 56 Rating, Add	2,501.34	
40 05 19 00-1400	EA	24" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,289.72	1,059.72
		For Class 52 Rating, Deduct	-955.25	
		For Class 54 Rating, Add	1,321.88	
		For Class 55 Rating, Add	1,975.08	
		For Class 56 Rating, Add	2,619.60	
40 05 19 00-1401	EA	24" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,695.23	1,063.19
		For Class 52 Rating, Deduct	-999.28	
		For Class 54 Rating, Add	1,381.98	
		For Class 55 Rating, Add	2,064.47	
		For Class 56 Rating, Add	2,737.87	
40 05 19 00-1402	EA	24" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,100.74	1,066.65
		For Class 52 Rating, Deduct	-1,043.31	
		For Class 54 Rating, Add	1,442.08	
		For Class 55 Rating, Add	2,153.85	
		For Class 56 Rating, Add	2,856.14	
40 05 19 00-1403	EA	24" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,506.25	1,070.10
		For Class 52 Rating, Deduct	-1,087.33	
		For Class 54 Rating, Add	1,502.19	
		For Class 55 Rating, Add	2,243.24	
		For Class 56 Rating, Add	2,974.40	
40 05 19 00-1404	EA	24" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,911.76	1,073.58
		For Class 52 Rating, Deduct	-1,131.36	
		For Class 54 Rating, Add	1,562.29	
		For Class 55 Rating, Add	2,332.62	
		For Class 56 Rating, Add	3,092.67	
40 05 19 00-1405	EA	24" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,317.27	1,077.05
		For Class 52 Rating, Deduct	-1,175.39	
		For Class 54 Rating, Add	1,622.39	
		For Class 55 Rating, Add	2,422.01	
		For Class 56 Rating, Add	3,210.94	
40 05 19 00-1406	EA	24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,722.78	1,080.51
		For Class 52 Rating, Deduct	-1,219.42	
		For Class 54 Rating, Add	1,682.49	
		For Class 55 Rating, Add	2,511.39	
		For Class 56 Rating, Add	3,329.20	
40 05 19 00-1407	EA	24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,128.29	1,083.96
		For Class 52 Rating, Deduct	-1,263.45	
		For Class 54 Rating, Add	1,742.60	
		For Class 55 Rating, Add	2,600.78	
		For Class 56 Rating, Add	3,447.47	
40 05 19 00-1408	EA	24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,533.80	1,087.43
		For Class 52 Rating, Deduct	-1,307.48	
		For Class 54 Rating, Add	1,802.70	
		For Class 55 Rating, Add	2,690.16	
		For Class 56 Rating, Add	3,565.74	
40 05 19 00-1409	EA	24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,939.31	1,090.89
		For Class 52 Rating, Deduct	-1,351.51	
		For Class 54 Rating, Add	1,862.80	
		For Class 55 Rating, Add	2,779.55	
		For Class 56 Rating, Add	3,684.00	
40 05 19 00-1410	EA	24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,344.82	1,094.37
		For Class 52 Rating, Deduct	-1,395.54	
		For Class 54 Rating, Add	1,922.90	
		For Class 55 Rating, Add	2,868.93	
		For Class 56 Rating, Add	3,802.27	
40 05 19 00-1411	EA	24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,750.33	1,097.82
		For Class 52 Rating, Deduct	-1,439.57	
		For Class 54 Rating, Add	1,983.01	
		For Class 55 Rating, Add	2,958.31	
		For Class 56 Rating, Add	3,920.54	
40 05 19 00-1412	EA	24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,155.84	1,101.28
		For Class 52 Rating, Deduct	-1,483.60	
		For Class 54 Rating, Add	2,043.11	
		For Class 55 Rating, Add	3,047.70	
		For Class 56 Rating, Add	4,038.80	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1413	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,561.35	1,104.75
			<i>For Class 52 Rating, Deduct</i>	-1,527.62	
			<i>For Class 54 Rating, Add</i>	2,103.21	
			<i>For Class 55 Rating, Add</i>	3,137.08	
			<i>For Class 56 Rating, Add</i>	4,157.07	
40 05 19 00-1414	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,966.86	1,108.20
			<i>For Class 52 Rating, Deduct</i>	-1,571.65	
			<i>For Class 54 Rating, Add</i>	2,163.31	
			<i>For Class 55 Rating, Add</i>	3,226.47	
			<i>For Class 56 Rating, Add</i>	4,275.33	
40 05 19 00-1415	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,461.58	1,170.54
			<i>For Class 52 Rating, Deduct</i>	-1,615.68	
			<i>For Class 54 Rating, Add</i>	2,224.49	
			<i>For Class 55 Rating, Add</i>	3,317.99	
			<i>For Class 56 Rating, Add</i>	4,396.81	
40 05 19 00-1416	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,867.09	1,174.01
			<i>For Class 52 Rating, Deduct</i>	-1,659.71	
			<i>For Class 54 Rating, Add</i>	2,284.59	
			<i>For Class 55 Rating, Add</i>	3,407.38	
			<i>For Class 56 Rating, Add</i>	4,515.08	
40 05 19 00-1417	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,272.59	1,177.48
			<i>For Class 52 Rating, Deduct</i>	-1,703.74	
			<i>For Class 54 Rating, Add</i>	2,344.69	
			<i>For Class 55 Rating, Add</i>	3,496.76	
			<i>For Class 56 Rating, Add</i>	4,633.35	
40 05 19 00-1418	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,678.11	1,180.94
			<i>For Class 52 Rating, Deduct</i>	-1,747.77	
			<i>For Class 54 Rating, Add</i>	2,404.79	
			<i>For Class 55 Rating, Add</i>	3,586.15	
			<i>For Class 56 Rating, Add</i>	4,751.61	
40 05 19 00-1419	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,083.62	1,184.39
			<i>For Class 52 Rating, Deduct</i>	-1,791.80	
			<i>For Class 54 Rating, Add</i>	2,464.90	
			<i>For Class 55 Rating, Add</i>	3,675.53	
			<i>For Class 56 Rating, Add</i>	4,869.88	
40 05 19 00-1420	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,489.12	1,187.86
			<i>For Class 52 Rating, Deduct</i>	-1,835.83	
			<i>For Class 54 Rating, Add</i>	2,525.00	
			<i>For Class 55 Rating, Add</i>	3,764.92	
			<i>For Class 56 Rating, Add</i>	4,988.14	
40 05 19 00-1421	EA		24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,894.64	1,191.33
			<i>For Class 52 Rating, Deduct</i>	-1,879.86	
			<i>For Class 54 Rating, Add</i>	2,585.10	
			<i>For Class 55 Rating, Add</i>	3,854.30	
			<i>For Class 56 Rating, Add</i>	5,106.41	
40 05 19 00-1422	EA		24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,300.15	1,194.79
			<i>For Class 52 Rating, Deduct</i>	-1,923.88	
			<i>For Class 54 Rating, Add</i>	2,645.20	
			<i>For Class 55 Rating, Add</i>	3,943.69	
			<i>For Class 56 Rating, Add</i>	5,224.68	
40 05 19 00-1423	EA		24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,705.65	1,198.25
			<i>For Class 52 Rating, Deduct</i>	-1,967.91	
			<i>For Class 54 Rating, Add</i>	2,705.30	
			<i>For Class 55 Rating, Add</i>	4,033.07	
			<i>For Class 56 Rating, Add</i>	5,342.94	
40 05 19 00-1424			<b>30" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1425	EA		30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,030.55	1,426.82
			<i>For Class 52 Rating, Deduct</i>	-535.56	
			<i>For Class 54 Rating, Add</i>	756.25	
			<i>For Class 55 Rating, Add</i>	1,137.60	
			<i>For Class 56 Rating, Add</i>	1,514.09	
40 05 19 00-1426	EA		30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	7,613.95	1,430.27
			<i>For Class 52 Rating, Deduct</i>	-599.15	
			<i>For Class 54 Rating, Add</i>	843.03	
			<i>For Class 55 Rating, Add</i>	1,266.66	
			<i>For Class 56 Rating, Add</i>	1,684.84	
40 05 19 00-1427	EA		30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,197.35	1,433.75
			<i>For Class 52 Rating, Deduct</i>	-662.75	
			<i>For Class 54 Rating, Add</i>	929.82	
			<i>For Class 55 Rating, Add</i>	1,395.71	
			<i>For Class 56 Rating, Add</i>	1,855.58	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-1428	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	8,780.76	1,437.22
		For Class 52 Rating, Deduct	-726.35	
		For Class 54 Rating, Add	1,016.61	
		For Class 55 Rating, Add	1,524.77	
		For Class 56 Rating, Add	2,026.33	
40 05 19 00-1429	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,364.16	1,440.68
		For Class 52 Rating, Deduct	-789.95	
		For Class 54 Rating, Add	1,103.39	
		For Class 55 Rating, Add	1,653.82	
		For Class 56 Rating, Add	2,197.07	
40 05 19 00-1430	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,947.57	1,444.13
		For Class 52 Rating, Deduct	-853.54	
		For Class 54 Rating, Add	1,190.18	
		For Class 55 Rating, Add	1,782.88	
		For Class 56 Rating, Add	2,367.82	
40 05 19 00-1431	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,530.97	1,447.60
		For Class 52 Rating, Deduct	-917.14	
		For Class 54 Rating, Add	1,276.97	
		For Class 55 Rating, Add	1,911.93	
		For Class 56 Rating, Add	2,538.56	
40 05 19 00-1432	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,114.37	1,451.06
		For Class 52 Rating, Deduct	-980.74	
		For Class 54 Rating, Add	1,363.75	
		For Class 55 Rating, Add	2,040.99	
		For Class 56 Rating, Add	2,709.31	
40 05 19 00-1433	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,697.78	1,454.52
		For Class 52 Rating, Deduct	-1,044.34	
		For Class 54 Rating, Add	1,450.54	
		For Class 55 Rating, Add	2,170.04	
		For Class 56 Rating, Add	2,880.06	
40 05 19 00-1434	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,281.20	1,457.99
		For Class 52 Rating, Deduct	-1,107.93	
		For Class 54 Rating, Add	1,537.33	
		For Class 55 Rating, Add	2,299.10	
		For Class 56 Rating, Add	3,050.80	
40 05 19 00-1435	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,864.61	1,461.45
		For Class 52 Rating, Deduct	-1,171.53	
		For Class 54 Rating, Add	1,624.11	
		For Class 55 Rating, Add	2,428.16	
		For Class 56 Rating, Add	3,221.55	
40 05 19 00-1436	EA	30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,448.00	1,464.92
		For Class 52 Rating, Deduct	-1,235.13	
		For Class 54 Rating, Add	1,710.90	
		For Class 55 Rating, Add	2,557.21	
		For Class 56 Rating, Add	3,392.29	
40 05 19 00-1437	EA	30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,031.41	1,468.37
		For Class 52 Rating, Deduct	-1,298.72	
		For Class 54 Rating, Add	1,797.69	
		For Class 55 Rating, Add	2,686.27	
		For Class 56 Rating, Add	3,563.04	
40 05 19 00-1438	EA	30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,614.82	1,471.84
		For Class 52 Rating, Deduct	-1,362.32	
		For Class 54 Rating, Add	1,884.47	
		For Class 55 Rating, Add	2,815.32	
		For Class 56 Rating, Add	3,733.78	
40 05 19 00-1439	EA	30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,198.22	1,475.31
		For Class 52 Rating, Deduct	-1,425.92	
		For Class 54 Rating, Add	1,971.26	
		For Class 55 Rating, Add	2,944.38	
		For Class 56 Rating, Add	3,904.53	
40 05 19 00-1440	EA	30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,781.63	1,478.76
		For Class 52 Rating, Deduct	-1,489.52	
		For Class 54 Rating, Add	2,058.05	
		For Class 55 Rating, Add	3,073.43	
		For Class 56 Rating, Add	4,075.28	
40 05 19 00-1441	EA	30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,365.03	1,482.23
		For Class 52 Rating, Deduct	-1,553.11	
		For Class 54 Rating, Add	2,144.83	
		For Class 55 Rating, Add	3,202.49	
		For Class 56 Rating, Add	4,246.02	
40 05 19 00-1442	EA	30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,948.43	1,485.69
		For Class 52 Rating, Deduct	-1,616.71	
		For Class 54 Rating, Add	2,231.62	
		For Class 55 Rating, Add	3,331.54	
		For Class 56 Rating, Add	4,416.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1443	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,531.84	1,489.16
			For Class 52 Rating, Deduct	-1,680.31	
			For Class 54 Rating, Add	2,318.41	
			For Class 55 Rating, Add	3,460.60	
			For Class 56 Rating, Add	4,587.51	
40 05 19 00-1444	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,115.25	1,492.61
			For Class 52 Rating, Deduct	-1,743.91	
			For Class 54 Rating, Add	2,405.19	
			For Class 55 Rating, Add	3,589.65	
			For Class 56 Rating, Add	4,758.26	
40 05 19 00-1445	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,698.64	1,496.09
			For Class 52 Rating, Deduct	-1,807.50	
			For Class 54 Rating, Add	2,491.98	
			For Class 55 Rating, Add	3,718.71	
			For Class 56 Rating, Add	4,929.00	
40 05 19 00-1446	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,282.05	1,499.55
			For Class 52 Rating, Deduct	-1,871.10	
			For Class 54 Rating, Add	2,578.77	
			For Class 55 Rating, Add	3,847.76	
			For Class 56 Rating, Add	5,099.75	
40 05 19 00-1447	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,865.46	1,503.00
			For Class 52 Rating, Deduct	-1,934.70	
			For Class 54 Rating, Add	2,665.55	
			For Class 55 Rating, Add	3,976.82	
			For Class 56 Rating, Add	5,270.49	
40 05 19 00-1448	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,448.86	1,506.47
			For Class 52 Rating, Deduct	-1,998.30	
			For Class 54 Rating, Add	2,752.34	
			For Class 55 Rating, Add	4,105.87	
			For Class 56 Rating, Add	5,441.24	
40 05 19 00-1449	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,032.27	1,509.93
			For Class 52 Rating, Deduct	-2,061.89	
			For Class 54 Rating, Add	2,839.13	
			For Class 55 Rating, Add	4,234.93	
			For Class 56 Rating, Add	5,611.98	
40 05 19 00-1450	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,615.67	1,513.41
			For Class 52 Rating, Deduct	-2,125.49	
			For Class 54 Rating, Add	2,925.91	
			For Class 55 Rating, Add	4,363.98	
			For Class 56 Rating, Add	5,782.73	
40 05 19 00-1451	EA		30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,199.07	1,516.86
			For Class 52 Rating, Deduct	-2,189.09	
			For Class 54 Rating, Add	3,012.70	
			For Class 55 Rating, Add	4,493.04	
			For Class 56 Rating, Add	5,953.47	
40 05 19 00-1452	EA		30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,782.48	1,520.33
			For Class 52 Rating, Deduct	-2,252.69	
			For Class 54 Rating, Add	3,099.49	
			For Class 55 Rating, Add	4,622.09	
			For Class 56 Rating, Add	6,124.22	
40 05 19 00-1453	EA		30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,365.89	1,523.79
			For Class 52 Rating, Deduct	-2,316.28	
			For Class 54 Rating, Add	3,186.27	
			For Class 55 Rating, Add	4,751.15	
			For Class 56 Rating, Add	6,294.97	
40 05 19 00-1454	EA		30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,949.30	1,527.26
			For Class 52 Rating, Deduct	-2,379.88	
			For Class 54 Rating, Add	3,273.06	
			For Class 55 Rating, Add	4,880.20	
			For Class 56 Rating, Add	6,465.71	
40 05 19 00-1455	EA		30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,532.69	1,530.71
			For Class 52 Rating, Deduct	-2,443.48	
			For Class 54 Rating, Add	3,359.85	
			For Class 55 Rating, Add	5,009.26	
			For Class 56 Rating, Add	6,636.46	
40 05 19 00-1456	EA		30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,116.10	1,534.18
			For Class 52 Rating, Deduct	-2,507.07	
			For Class 54 Rating, Add	3,446.63	
			For Class 55 Rating, Add	5,138.31	
			For Class 56 Rating, Add	6,807.20	
40 05 19 00-1457	EA		30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,699.51	1,537.65
			For Class 52 Rating, Deduct	-2,570.67	
			For Class 54 Rating, Add	3,533.42	
			For Class 55 Rating, Add	5,267.37	
			For Class 56 Rating, Add	6,977.95	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1458	EA		30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,282.91	1,541.10
			<i>For Class 52 Rating, Deduct</i>	-2,634.27	
			<i>For Class 54 Rating, Add</i>	3,620.21	
			<i>For Class 55 Rating, Add</i>	5,396.42	
			<i>For Class 56 Rating, Add</i>	7,148.69	
40 05 19 00-1459	EA		30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,866.31	1,544.57
			<i>For Class 52 Rating, Deduct</i>	-2,697.87	
			<i>For Class 54 Rating, Add</i>	3,706.99	
			<i>For Class 55 Rating, Add</i>	5,525.48	
			<i>For Class 56 Rating, Add</i>	7,319.44	
40 05 19 00-1460	EA		30" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,449.72	1,548.03
			<i>For Class 52 Rating, Deduct</i>	-2,761.46	
			<i>For Class 54 Rating, Add</i>	3,793.78	
			<i>For Class 55 Rating, Add</i>	5,654.53	
			<i>For Class 56 Rating, Add</i>	7,490.18	
40 05 19 00-1461	EA		30" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,033.12	1,551.50
			<i>For Class 52 Rating, Deduct</i>	-2,825.06	
			<i>For Class 54 Rating, Add</i>	3,880.57	
			<i>For Class 55 Rating, Add</i>	5,783.59	
			<i>For Class 56 Rating, Add</i>	7,660.93	
40 05 19 00-1462	EA		30" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,616.53	1,554.96
			<i>For Class 52 Rating, Deduct</i>	-2,888.66	
			<i>For Class 54 Rating, Add</i>	3,967.35	
			<i>For Class 55 Rating, Add</i>	5,912.64	
			<i>For Class 56 Rating, Add</i>	7,831.67	
<b>40 05 19 00-1463</b>			<b>36" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1464	EA		36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	9,672.25	1,807.77
			<i>For Class 52 Rating, Deduct</i>	-762.65	
			<i>For Class 54 Rating, Add</i>	1,072.85	
			<i>For Class 55 Rating, Add</i>	1,611.84	
			<i>For Class 56 Rating, Add</i>	2,143.90	
40 05 19 00-1465	EA		36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	10,463.98	1,811.23
			<i>For Class 52 Rating, Deduct</i>	-849.17	
			<i>For Class 54 Rating, Add</i>	1,190.88	
			<i>For Class 55 Rating, Add</i>	1,787.35	
			<i>For Class 56 Rating, Add</i>	2,376.10	
40 05 19 00-1466	EA		36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	11,255.72	1,814.69
			<i>For Class 52 Rating, Deduct</i>	-935.68	
			<i>For Class 54 Rating, Add</i>	1,308.92	
			<i>For Class 55 Rating, Add</i>	1,962.87	
			<i>For Class 56 Rating, Add</i>	2,608.31	
40 05 19 00-1467	EA		36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,047.44	1,818.16
			<i>For Class 52 Rating, Deduct</i>	-1,022.19	
			<i>For Class 54 Rating, Add</i>	1,426.96	
			<i>For Class 55 Rating, Add</i>	2,138.38	
			<i>For Class 56 Rating, Add</i>	2,840.51	
40 05 19 00-1468	EA		36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,839.17	1,821.62
			<i>For Class 52 Rating, Deduct</i>	-1,108.71	
			<i>For Class 54 Rating, Add</i>	1,544.99	
			<i>For Class 55 Rating, Add</i>	2,313.89	
			<i>For Class 56 Rating, Add</i>	3,072.71	
40 05 19 00-1469	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,630.90	1,825.08
			<i>For Class 52 Rating, Deduct</i>	-1,195.22	
			<i>For Class 54 Rating, Add</i>	1,663.03	
			<i>For Class 55 Rating, Add</i>	2,489.40	
			<i>For Class 56 Rating, Add</i>	3,304.91	
40 05 19 00-1470	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	14,422.62	1,828.54
			<i>For Class 52 Rating, Deduct</i>	-1,281.73	
			<i>For Class 54 Rating, Add</i>	1,781.06	
			<i>For Class 55 Rating, Add</i>	2,664.91	
			<i>For Class 56 Rating, Add</i>	3,537.11	
40 05 19 00-1471	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,214.36	1,832.01
			<i>For Class 52 Rating, Deduct</i>	-1,368.24	
			<i>For Class 54 Rating, Add</i>	1,899.10	
			<i>For Class 55 Rating, Add</i>	2,840.42	
			<i>For Class 56 Rating, Add</i>	3,769.31	
40 05 19 00-1472	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,006.09	1,835.48
			<i>For Class 52 Rating, Deduct</i>	-1,454.76	
			<i>For Class 54 Rating, Add</i>	2,017.13	
			<i>For Class 55 Rating, Add</i>	3,015.94	
			<i>For Class 56 Rating, Add</i>	4,001.51	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1473	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,797.81	1,838.93
			For Class 52 Rating, Deduct	-1,541.27	
			For Class 54 Rating, Add	2,135.17	
			For Class 55 Rating, Add	3,191.45	
			For Class 56 Rating, Add	4,233.71	
40 05 19 00-1474	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,589.54	1,842.40
			For Class 52 Rating, Deduct	-1,627.78	
			For Class 54 Rating, Add	2,253.20	
			For Class 55 Rating, Add	3,366.96	
			For Class 56 Rating, Add	4,465.91	
40 05 19 00-1475	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,381.27	1,845.86
			For Class 52 Rating, Deduct	-1,714.30	
			For Class 54 Rating, Add	2,371.24	
			For Class 55 Rating, Add	3,542.47	
			For Class 56 Rating, Add	4,698.11	
40 05 19 00-1476	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,173.00	1,849.32
			For Class 52 Rating, Deduct	-1,800.81	
			For Class 54 Rating, Add	2,489.27	
			For Class 55 Rating, Add	3,717.98	
			For Class 56 Rating, Add	4,930.32	
40 05 19 00-1477	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,964.73	1,852.78
			For Class 52 Rating, Deduct	-1,887.32	
			For Class 54 Rating, Add	2,607.31	
			For Class 55 Rating, Add	3,893.49	
			For Class 56 Rating, Add	5,162.52	
40 05 19 00-1478	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,756.46	1,856.26
			For Class 52 Rating, Deduct	-1,973.84	
			For Class 54 Rating, Add	2,725.34	
			For Class 55 Rating, Add	4,069.00	
			For Class 56 Rating, Add	5,394.72	
40 05 19 00-1479	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,548.19	1,859.72
			For Class 52 Rating, Deduct	-2,060.35	
			For Class 54 Rating, Add	2,843.38	
			For Class 55 Rating, Add	4,244.51	
			For Class 56 Rating, Add	5,626.92	
40 05 19 00-1480	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,339.92	1,863.17
			For Class 52 Rating, Deduct	-2,146.86	
			For Class 54 Rating, Add	2,961.41	
			For Class 55 Rating, Add	4,420.03	
			For Class 56 Rating, Add	5,859.12	
40 05 19 00-1481	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,131.66	1,866.64
			For Class 52 Rating, Deduct	-2,233.38	
			For Class 54 Rating, Add	3,079.45	
			For Class 55 Rating, Add	4,595.54	
			For Class 56 Rating, Add	6,091.32	
40 05 19 00-1482	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,923.38	1,870.10
			For Class 52 Rating, Deduct	-2,319.89	
			For Class 54 Rating, Add	3,197.49	
			For Class 55 Rating, Add	4,771.05	
			For Class 56 Rating, Add	6,323.52	
40 05 19 00-1483	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,715.11	1,873.58
			For Class 52 Rating, Deduct	-2,406.40	
			For Class 54 Rating, Add	3,315.52	
			For Class 55 Rating, Add	4,946.56	
			For Class 56 Rating, Add	6,555.72	
40 05 19 00-1484	EA		36" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,506.84	1,877.03
			For Class 52 Rating, Deduct	-2,492.91	
			For Class 54 Rating, Add	3,433.56	
			For Class 55 Rating, Add	5,122.07	
			For Class 56 Rating, Add	6,787.92	
40 05 19 00-1485	EA		36" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,298.57	1,880.50
			For Class 52 Rating, Deduct	-2,579.43	
			For Class 54 Rating, Add	3,551.59	
			For Class 55 Rating, Add	5,297.58	
			For Class 56 Rating, Add	7,020.12	
40 05 19 00-1486	EA		36" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,090.29	1,883.96
			For Class 52 Rating, Deduct	-2,665.94	
			For Class 54 Rating, Add	3,669.63	
			For Class 55 Rating, Add	5,473.09	
			For Class 56 Rating, Add	7,252.33	
40 05 19 00-1487	EA		36" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,882.03	1,887.41
			For Class 52 Rating, Deduct	-2,752.45	
			For Class 54 Rating, Add	3,787.66	
			For Class 55 Rating, Add	5,648.61	
			For Class 56 Rating, Add	7,484.53	



**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 19 00-1488	EA 36" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,673.76	1,890.88
	For Class 52 Rating, Deduct	-2,838.97	
	For Class 54 Rating, Add	3,905.70	
	For Class 55 Rating, Add	5,824.12	
	For Class 56 Rating, Add	7,716.73	
40 05 19 00-1489	EA 36" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,465.48	1,894.35
	For Class 52 Rating, Deduct	-2,925.48	
	For Class 54 Rating, Add	4,023.73	
	For Class 55 Rating, Add	5,999.63	
	For Class 56 Rating, Add	7,948.93	
40 05 19 00-1490	EA 36" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,257.21	1,897.82
	For Class 52 Rating, Deduct	-3,011.99	
	For Class 54 Rating, Add	4,141.77	
	For Class 55 Rating, Add	6,175.14	
	For Class 56 Rating, Add	8,181.13	
40 05 19 00-1491	EA 36" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,048.94	1,901.27
	For Class 52 Rating, Deduct	-3,098.50	
	For Class 54 Rating, Add	4,259.80	
	For Class 55 Rating, Add	6,350.65	
	For Class 56 Rating, Add	8,413.33	
40 05 19 00-1492	EA 36" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,840.67	1,904.74
	For Class 52 Rating, Deduct	-3,185.02	
	For Class 54 Rating, Add	4,377.84	
	For Class 55 Rating, Add	6,526.16	
	For Class 56 Rating, Add	8,645.53	
40 05 19 00-1493	EA 36" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,632.40	1,908.20
	For Class 52 Rating, Deduct	-3,271.53	
	For Class 54 Rating, Add	4,495.87	
	For Class 55 Rating, Add	6,701.67	
	For Class 56 Rating, Add	8,877.73	
40 05 19 00-1494	EA 36" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,424.13	1,911.65
	For Class 52 Rating, Deduct	-3,358.04	
	For Class 54 Rating, Add	4,613.91	
	For Class 55 Rating, Add	6,877.19	
	For Class 56 Rating, Add	9,109.94	
40 05 19 00-1495	EA 36" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	34,215.85	1,915.13
	For Class 52 Rating, Deduct	-3,444.56	
	For Class 54 Rating, Add	4,731.94	
	For Class 55 Rating, Add	7,052.70	
	For Class 56 Rating, Add	9,342.14	
40 05 19 00-1496	EA 36" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,007.58	1,918.59
	For Class 52 Rating, Deduct	-3,531.07	
	For Class 54 Rating, Add	4,849.98	
	For Class 55 Rating, Add	7,228.21	
	For Class 56 Rating, Add	9,574.34	
40 05 19 00-1497	EA 36" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,799.32	1,922.06
	For Class 52 Rating, Deduct	-3,617.58	
	For Class 54 Rating, Add	4,968.01	
	For Class 55 Rating, Add	7,403.72	
	For Class 56 Rating, Add	9,806.54	
40 05 19 00-1498	EA 36" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,591.04	1,925.51
	For Class 52 Rating, Deduct	-3,704.10	
	For Class 54 Rating, Add	5,086.05	
	For Class 55 Rating, Add	7,579.23	
	For Class 56 Rating, Add	10,038.74	
40 05 19 00-1499	EA 36" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,382.77	1,928.97
	For Class 52 Rating, Deduct	-3,790.61	
	For Class 54 Rating, Add	5,204.08	
	For Class 55 Rating, Add	7,754.74	
	For Class 56 Rating, Add	10,270.94	
40 05 19 00-1500	EA 36" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,174.50	1,932.44
	For Class 52 Rating, Deduct	-3,877.12	
	For Class 54 Rating, Add	5,322.12	
	For Class 55 Rating, Add	7,930.25	
	For Class 56 Rating, Add	10,503.14	
40 05 19 00-1501	EA 36" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,966.23	1,935.90
	For Class 52 Rating, Deduct	-3,963.63	
	For Class 54 Rating, Add	5,440.15	
	For Class 55 Rating, Add	8,105.76	
	For Class 56 Rating, Add	10,735.34	

40 05 19 00-1502 42" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-1028)

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1503	EA		42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	12,747.66	2,278.76
			For Class 52 Rating, Deduct	-1,022.45	
			For Class 54 Rating, Add	1,435.68	
			For Class 55 Rating, Add	2,155.65	
			For Class 56 Rating, Add	2,866.32	
40 05 19 00-1504	EA		42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	13,927.95	2,282.21
			For Class 52 Rating, Deduct	-1,151.70	
			For Class 54 Rating, Add	1,612.00	
			For Class 55 Rating, Add	2,417.81	
			For Class 56 Rating, Add	3,213.15	
40 05 19 00-1505	EA		42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	15,094.20	2,285.68
			For Class 52 Rating, Deduct	-1,279.41	
			For Class 54 Rating, Add	1,786.21	
			For Class 55 Rating, Add	2,676.84	
			For Class 56 Rating, Add	3,555.83	
40 05 19 00-1506	EA		42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,272.14	2,289.14
			For Class 52 Rating, Deduct	-1,408.41	
			For Class 54 Rating, Add	1,962.18	
			For Class 55 Rating, Add	2,938.48	
			For Class 56 Rating, Add	3,901.97	
40 05 19 00-1507	EA		42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	17,438.39	2,292.61
			For Class 52 Rating, Deduct	-1,536.12	
			For Class 54 Rating, Add	2,136.39	
			For Class 55 Rating, Add	3,197.50	
			For Class 56 Rating, Add	4,244.65	
40 05 19 00-1508	EA		42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,618.68	2,296.07
			For Class 52 Rating, Deduct	-1,665.38	
			For Class 54 Rating, Add	2,312.71	
			For Class 55 Rating, Add	3,459.66	
			For Class 56 Rating, Add	4,591.48	
40 05 19 00-1509	EA		42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,782.58	2,299.54
			For Class 52 Rating, Deduct	-1,792.83	
			For Class 54 Rating, Add	2,486.57	
			For Class 55 Rating, Add	3,718.17	
			For Class 56 Rating, Add	4,933.47	
40 05 19 00-1510	EA		42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	20,962.86	2,303.00
			For Class 52 Rating, Deduct	-1,922.08	
			For Class 54 Rating, Add	2,662.89	
			For Class 55 Rating, Add	3,980.33	
			For Class 56 Rating, Add	5,280.29	
40 05 19 00-1511	EA		42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	22,129.11	2,306.47
			For Class 52 Rating, Deduct	-2,049.79	
			For Class 54 Rating, Add	2,837.11	
			For Class 55 Rating, Add	4,239.36	
			For Class 56 Rating, Add	5,622.98	
40 05 19 00-1512	EA		42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,307.06	2,309.92
			For Class 52 Rating, Deduct	-2,178.79	
			For Class 54 Rating, Add	3,013.07	
			For Class 55 Rating, Add	4,501.00	
			For Class 56 Rating, Add	5,969.11	
40 05 19 00-1513	EA		42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	24,473.30	2,313.38
			For Class 52 Rating, Deduct	-2,306.50	
			For Class 54 Rating, Add	3,187.29	
			For Class 55 Rating, Add	4,760.03	
			For Class 56 Rating, Add	6,311.79	
40 05 19 00-1514	EA		42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,651.25	2,316.86
			For Class 52 Rating, Deduct	-2,435.50	
			For Class 54 Rating, Add	3,363.26	
			For Class 55 Rating, Add	5,021.66	
			For Class 56 Rating, Add	6,657.93	
40 05 19 00-1515	EA		42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,817.50	2,320.31
			For Class 52 Rating, Deduct	-2,563.21	
			For Class 54 Rating, Add	3,537.47	
			For Class 55 Rating, Add	5,280.69	
			For Class 56 Rating, Add	7,000.61	
40 05 19 00-1516	EA		42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	27,986.08	2,323.78
			For Class 52 Rating, Deduct	-2,691.17	
			For Class 54 Rating, Add	3,712.03	
			For Class 55 Rating, Add	5,540.24	
			For Class 56 Rating, Add	7,343.99	
40 05 19 00-1517	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	29,161.69	2,327.24
			For Class 52 Rating, Deduct	-2,819.91	
			For Class 54 Rating, Add	3,887.65	
			For Class 55 Rating, Add	5,801.36	
			For Class 56 Rating, Add	7,689.43	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1518	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,327.93	2,330.71
			For Class 52 Rating, Deduct	-2,947.62	
			For Class 54 Rating, Add	4,061.86	
			For Class 55 Rating, Add	6,060.39	
			For Class 56 Rating, Add	8,032.11	
40 05 19 00-1519	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,508.21	2,334.16
			For Class 52 Rating, Deduct	-3,076.88	
			For Class 54 Rating, Add	4,238.18	
			For Class 55 Rating, Add	6,322.55	
			For Class 56 Rating, Add	8,378.94	
40 05 19 00-1520	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	32,674.46	2,337.63
			For Class 52 Rating, Deduct	-3,204.59	
			For Class 54 Rating, Add	4,412.39	
			For Class 55 Rating, Add	6,581.57	
			For Class 56 Rating, Add	8,721.62	
40 05 19 00-1521	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,852.41	2,341.10
			For Class 52 Rating, Deduct	-3,333.58	
			For Class 54 Rating, Add	4,588.36	
			For Class 55 Rating, Add	6,843.21	
			For Class 56 Rating, Add	9,067.76	
40 05 19 00-1522	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,018.65	2,344.55
			For Class 52 Rating, Deduct	-3,461.29	
			For Class 54 Rating, Add	4,762.57	
			For Class 55 Rating, Add	7,102.24	
			For Class 56 Rating, Add	9,410.44	
40 05 19 00-1523	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	36,198.94	2,348.02
			For Class 52 Rating, Deduct	-3,590.55	
			For Class 54 Rating, Add	4,938.89	
			For Class 55 Rating, Add	7,364.40	
			For Class 56 Rating, Add	9,757.27	
40 05 19 00-1524	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,365.19	2,351.48
			For Class 52 Rating, Deduct	-3,718.26	
			For Class 54 Rating, Add	5,113.11	
			For Class 55 Rating, Add	7,623.43	
			For Class 56 Rating, Add	10,099.95	
40 05 19 00-1525	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,543.14	2,354.96
			For Class 52 Rating, Deduct	-3,847.25	
			For Class 54 Rating, Add	5,289.07	
			For Class 55 Rating, Add	7,865.07	
			For Class 56 Rating, Add	10,446.09	
40 05 19 00-1526	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	39,709.38	2,358.41
			For Class 52 Rating, Deduct	-3,974.96	
			For Class 54 Rating, Add	5,463.29	
			For Class 55 Rating, Add	8,144.10	
			For Class 56 Rating, Add	10,788.77	
40 05 19 00-1527	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,889.68	2,361.87
			For Class 52 Rating, Deduct	-4,104.22	
			For Class 54 Rating, Add	5,639.61	
			For Class 55 Rating, Add	8,406.26	
			For Class 56 Rating, Add	11,135.60	
40 05 19 00-1528	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,055.92	2,365.34
			For Class 52 Rating, Deduct	-4,231.93	
			For Class 54 Rating, Add	5,813.82	
			For Class 55 Rating, Add	8,665.28	
			For Class 56 Rating, Add	11,478.28	
40 05 19 00-1529	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,231.52	2,368.79
			For Class 52 Rating, Deduct	-4,360.67	
			For Class 54 Rating, Add	5,989.43	
			For Class 55 Rating, Add	8,926.40	
			For Class 56 Rating, Add	11,823.72	
40 05 19 00-1530	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	44,400.11	2,372.26
			For Class 52 Rating, Deduct	-4,488.63	
			For Class 54 Rating, Add	6,164.00	
			For Class 55 Rating, Add	9,185.95	
			For Class 56 Rating, Add	12,167.10	
40 05 19 00-1531	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,332.29	2,375.73
			For Class 52 Rating, Deduct	-4,590.60	
			For Class 54 Rating, Add	6,303.10	
			For Class 55 Rating, Add	9,392.78	
			For Class 56 Rating, Add	12,440.73	
40 05 19 00-1532	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	46,744.30	2,379.20
			For Class 52 Rating, Deduct	-4,745.34	
			For Class 54 Rating, Add	6,514.18	
			For Class 55 Rating, Add	9,706.62	
			For Class 56 Rating, Add	12,855.92	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1533	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,910.55	2,382.65
			For Class 52 Rating, Deduct	-4,873.05	
			For Class 54 Rating, Add	6,688.39	
			For Class 55 Rating, Add	9,965.65	
			For Class 56 Rating, Add	13,198.60	
40 05 19 00-1534	EA		42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,088.50	2,386.11
			For Class 52 Rating, Deduct	-5,002.05	
			For Class 54 Rating, Add	6,864.36	
			For Class 55 Rating, Add	10,227.28	
			For Class 56 Rating, Add	13,544.74	
40 05 19 00-1535	EA		42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,254.73	2,389.58
			For Class 52 Rating, Deduct	-5,129.76	
			For Class 54 Rating, Add	7,038.57	
			For Class 55 Rating, Add	10,486.31	
			For Class 56 Rating, Add	13,887.42	
40 05 19 00-1536	EA		42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	51,435.03	2,393.04
			For Class 52 Rating, Deduct	-5,259.01	
			For Class 54 Rating, Add	7,214.89	
			For Class 55 Rating, Add	10,748.47	
			For Class 56 Rating, Add	14,234.25	
40 05 19 00-1537	EA		42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,598.93	2,396.50
			For Class 52 Rating, Deduct	-5,386.46	
			For Class 54 Rating, Add	7,388.75	
			For Class 55 Rating, Add	11,006.98	
			For Class 56 Rating, Add	14,576.24	
40 05 19 00-1538	EA		42" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	53,779.21	2,399.97
			For Class 52 Rating, Deduct	-5,515.72	
			For Class 54 Rating, Add	7,565.07	
			For Class 55 Rating, Add	11,269.14	
			For Class 56 Rating, Add	14,923.06	
40 05 19 00-1539	EA		42" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,945.46	2,403.44
			For Class 52 Rating, Deduct	-5,643.43	
			For Class 54 Rating, Add	7,739.28	
			For Class 55 Rating, Add	11,528.17	
			For Class 56 Rating, Add	15,265.75	
40 05 19 00-1540	EA		42" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	56,123.41	2,406.89
			For Class 52 Rating, Deduct	-5,772.43	
			For Class 54 Rating, Add	7,915.25	
			For Class 55 Rating, Add	11,789.81	
			For Class 56 Rating, Add	15,611.88	
40 05 19 00-1541			<b>48" Flanged End x Plain End (FxPE), Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-1028)</small>		
40 05 19 00-1542	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	16,426.92	2,864.02
			For Class 52 Rating, Deduct	-1,329.62	
			For Class 54 Rating, Add	1,865.20	
			For Class 55 Rating, Add	2,799.65	
			For Class 56 Rating, Add	3,722.03	
40 05 19 00-1543	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	18,143.23	2,867.49
			For Class 52 Rating, Deduct	-1,517.84	
			For Class 54 Rating, Add	2,121.92	
			For Class 55 Rating, Add	3,181.35	
			For Class 56 Rating, Add	4,226.98	
40 05 19 00-1544	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	19,857.21	2,870.96
			For Class 52 Rating, Deduct	-1,705.80	
			For Class 54 Rating, Add	2,378.29	
			For Class 55 Rating, Add	3,562.52	
			For Class 56 Rating, Add	4,731.24	
40 05 19 00-1545	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	21,585.22	2,874.42
			For Class 52 Rating, Deduct	-1,895.30	
			For Class 54 Rating, Add	2,636.77	
			For Class 55 Rating, Add	3,946.82	
			For Class 56 Rating, Add	5,239.65	
40 05 19 00-1546	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	23,301.54	2,877.88
			For Class 52 Rating, Deduct	-2,083.52	
			For Class 54 Rating, Add	2,893.49	
			For Class 55 Rating, Add	4,328.52	
			For Class 56 Rating, Add	5,744.60	
40 05 19 00-1547	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	25,017.85	2,881.35
			For Class 52 Rating, Deduct	-2,271.74	
			For Class 54 Rating, Add	3,150.21	
			For Class 55 Rating, Add	4,710.21	
			For Class 56 Rating, Add	6,249.55	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-1548	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	26,743.52	2,884.81
			For Class 52 Rating, Deduct	-2,460.99	
			For Class 54 Rating, Add	3,408.34	
			For Class 55 Rating, Add	5,093.99	
			For Class 56 Rating, Add	6,757.27	
40 05 19 00-1549	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	28,462.18	2,888.26
			For Class 52 Rating, Deduct	-2,649.46	
			For Class 54 Rating, Add	3,665.42	
			For Class 55 Rating, Add	5,476.21	
			For Class 56 Rating, Add	7,262.92	
40 05 19 00-1550	EA		48" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	30,176.15	2,891.73
			For Class 52 Rating, Deduct	-2,837.42	
			For Class 54 Rating, Add	3,921.79	
			For Class 55 Rating, Add	5,857.38	
			For Class 56 Rating, Add	7,767.18	
40 05 19 00-1551	EA		48" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	31,904.17	2,895.19
			For Class 52 Rating, Deduct	-3,026.93	
			For Class 54 Rating, Add	4,180.27	
			For Class 55 Rating, Add	6,241.68	
			For Class 56 Rating, Add	8,275.58	
40 05 19 00-1552	EA		48" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	33,620.48	2,898.67
			For Class 52 Rating, Deduct	-3,215.14	
			For Class 54 Rating, Add	4,436.99	
			For Class 55 Rating, Add	6,623.38	
			For Class 56 Rating, Add	8,780.54	
40 05 19 00-1553	EA		48" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	35,348.50	2,902.12
			For Class 52 Rating, Deduct	-3,404.65	
			For Class 54 Rating, Add	4,695.47	
			For Class 55 Rating, Add	7,007.68	
			For Class 56 Rating, Add	9,288.94	
40 05 19 00-1554	EA		48" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	37,062.48	2,905.59
			For Class 52 Rating, Deduct	-3,592.61	
			For Class 54 Rating, Add	4,951.84	
			For Class 55 Rating, Add	7,388.85	
			For Class 56 Rating, Add	9,793.21	
40 05 19 00-1555	EA		48" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	38,778.78	2,909.05
			For Class 52 Rating, Deduct	-3,780.82	
			For Class 54 Rating, Add	5,208.56	
			For Class 55 Rating, Add	7,770.55	
			For Class 56 Rating, Add	10,298.16	
40 05 19 00-1556	EA		48" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	40,506.80	2,912.52
			For Class 52 Rating, Deduct	-3,970.33	
			For Class 54 Rating, Add	5,467.04	
			For Class 55 Rating, Add	8,154.85	
			For Class 56 Rating, Add	10,806.56	
40 05 19 00-1557	EA		48" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	42,223.12	2,915.97
			For Class 52 Rating, Deduct	-4,158.55	
			For Class 54 Rating, Add	5,723.76	
			For Class 55 Rating, Add	8,536.54	
			For Class 56 Rating, Add	11,311.52	
40 05 19 00-1558	EA		48" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	43,937.08	2,919.44
			For Class 52 Rating, Deduct	-4,346.51	
			For Class 54 Rating, Add	5,980.13	
			For Class 55 Rating, Add	8,917.71	
			For Class 56 Rating, Add	11,815.78	
40 05 19 00-1559	EA		48" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	45,665.10	2,922.91
			For Class 52 Rating, Deduct	-4,536.01	
			For Class 54 Rating, Add	6,238.61	
			For Class 55 Rating, Add	9,302.02	
			For Class 56 Rating, Add	12,324.19	
40 05 19 00-1560	EA		48" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	47,381.42	2,926.36
			For Class 52 Rating, Deduct	-4,724.23	
			For Class 54 Rating, Add	6,495.34	
			For Class 55 Rating, Add	9,683.71	
			For Class 56 Rating, Add	12,829.14	
40 05 19 00-1561	EA		48" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	49,095.39	2,929.83
			For Class 52 Rating, Deduct	-4,912.19	
			For Class 54 Rating, Add	6,751.71	
			For Class 55 Rating, Add	10,064.89	
			For Class 56 Rating, Add	13,333.41	
40 05 19 00-1562	EA		48" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	50,823.41	2,933.29
			For Class 52 Rating, Deduct	-5,101.69	
			For Class 54 Rating, Add	7,010.19	
			For Class 55 Rating, Add	10,449.19	
			For Class 56 Rating, Add	13,841.81	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1563	EA		48" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	52,542.06	2,936.77
			<i>For Class 52 Rating, Deduct</i>	-5,290.17	
			<i>For Class 54 Rating, Add</i>	7,267.26	
			<i>For Class 55 Rating, Add</i>	10,831.40	
			<i>For Class 56 Rating, Add</i>	14,347.45	
40 05 19 00-1564	EA		48" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	54,256.03	2,940.22
			<i>For Class 52 Rating, Deduct</i>	-5,478.13	
			<i>For Class 54 Rating, Add</i>	7,523.63	
			<i>For Class 55 Rating, Add</i>	11,212.58	
			<i>For Class 56 Rating, Add</i>	14,851.72	
40 05 19 00-1565	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	55,984.05	2,943.68
			<i>For Class 52 Rating, Deduct</i>	-5,667.63	
			<i>For Class 54 Rating, Add</i>	7,782.11	
			<i>For Class 55 Rating, Add</i>	11,596.88	
			<i>For Class 56 Rating, Add</i>	15,360.12	
40 05 19 00-1566	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	57,700.37	2,947.15
			<i>For Class 52 Rating, Deduct</i>	-5,855.85	
			<i>For Class 54 Rating, Add</i>	8,038.83	
			<i>For Class 55 Rating, Add</i>	11,978.57	
			<i>For Class 56 Rating, Add</i>	15,865.08	
40 05 19 00-1567	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	59,414.34	2,950.60
			<i>For Class 52 Rating, Deduct</i>	-6,043.81	
			<i>For Class 54 Rating, Add</i>	8,295.21	
			<i>For Class 55 Rating, Add</i>	12,359.74	
			<i>For Class 56 Rating, Add</i>	16,369.34	
40 05 19 00-1568	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	61,142.35	2,954.07
			<i>For Class 52 Rating, Deduct</i>	-6,233.31	
			<i>For Class 54 Rating, Add</i>	8,553.68	
			<i>For Class 55 Rating, Add</i>	12,744.05	
			<i>For Class 56 Rating, Add</i>	16,877.75	
40 05 19 00-1569	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	62,858.67	2,957.54
			<i>For Class 52 Rating, Deduct</i>	-6,421.53	
			<i>For Class 54 Rating, Add</i>	8,810.41	
			<i>For Class 55 Rating, Add</i>	13,125.74	
			<i>For Class 56 Rating, Add</i>	17,382.70	
40 05 19 00-1570	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	64,364.32	2,961.01
			<i>For Class 52 Rating, Deduct</i>	-6,586.58	
			<i>For Class 54 Rating, Add</i>	9,035.53	
			<i>For Class 55 Rating, Add</i>	13,460.46	
			<i>For Class 56 Rating, Add</i>	17,825.51	
40 05 19 00-1571	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	66,303.00	2,964.46
			<i>For Class 52 Rating, Deduct</i>	-6,799.25	
			<i>For Class 54 Rating, Add</i>	9,325.61	
			<i>For Class 55 Rating, Add</i>	13,891.74	
			<i>For Class 56 Rating, Add</i>	18,396.06	
40 05 19 00-1572	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	68,016.98	2,967.92
			<i>For Class 52 Rating, Deduct</i>	-6,987.21	
			<i>For Class 54 Rating, Add</i>	9,581.98	
			<i>For Class 55 Rating, Add</i>	14,272.91	
			<i>For Class 56 Rating, Add</i>	18,900.32	
40 05 19 00-1573	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	69,747.34	2,971.39
			<i>For Class 52 Rating, Deduct</i>	-7,176.98	
			<i>For Class 54 Rating, Add</i>	9,840.81	
			<i>For Class 55 Rating, Add</i>	14,657.74	
			<i>For Class 56 Rating, Add</i>	19,409.42	
40 05 19 00-1574	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	71,461.30	2,974.84
			<i>For Class 52 Rating, Deduct</i>	-7,364.93	
			<i>For Class 54 Rating, Add</i>	10,097.18	
			<i>For Class 55 Rating, Add</i>	15,038.91	
			<i>For Class 56 Rating, Add</i>	19,913.68	
40 05 19 00-1575	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	73,175.28	2,978.31
			<i>For Class 52 Rating, Deduct</i>	-7,552.89	
			<i>For Class 54 Rating, Add</i>	10,353.55	
			<i>For Class 55 Rating, Add</i>	15,420.08	
			<i>For Class 56 Rating, Add</i>	20,417.94	
40 05 19 00-1576	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	74,905.64	2,981.78
			<i>For Class 52 Rating, Deduct</i>	-7,742.66	
			<i>For Class 54 Rating, Add</i>	10,612.38	
			<i>For Class 55 Rating, Add</i>	15,804.91	
			<i>For Class 56 Rating, Add</i>	20,927.04	
40 05 19 00-1577	EA		48" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe	76,619.61	2,985.25
			<i>For Class 52 Rating, Deduct</i>	-7,930.62	
			<i>For Class 54 Rating, Add</i>	10,868.76	
			<i>For Class 55 Rating, Add</i>	16,186.08	
			<i>For Class 56 Rating, Add</i>	21,431.30	

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-1578	EA	48" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	78,335.92	2,988.70
		<i>For Class 52 Rating, Deduct</i> .....	-8,118.83	
		<i>For Class 54 Rating, Add</i> .....	11,125.48	
		<i>For Class 55 Rating, Add</i> .....	16,567.77	
		<i>For Class 56 Rating, Add</i> .....	21,936.26	
40 05 19 00-1579	EA	48" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Cement Lined, Bituminous Seal Coat, Ductile Iron Pipe .....	80,063.94	2,992.16
		<i>For Class 52 Rating, Deduct</i> .....	-8,308.34	
		<i>For Class 54 Rating, Add</i> .....	11,383.96	
		<i>For Class 55 Rating, Add</i> .....	16,952.07	
		<i>For Class 56 Rating, Add</i> .....	22,444.66	

**40 05 19 00-1580 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree****Elbows (40 05 19 00-0001)**

40 05 19 00-1581	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	465.25	167.08
40 05 19 00-1582	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	651.95	213.66
40 05 19 00-1583	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	907.00	242.02
40 05 19 00-1584	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,322.57	306.82
40 05 19 00-1585	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	1,633.29	340.24
40 05 19 00-1586	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	2,030.76	369.61
40 05 19 00-1587	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	2,501.78	455.68
40 05 19 00-1588	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	3,277.70	546.81
40 05 19 00-1589	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	4,038.99	688.58
40 05 19 00-1590	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	6,120.02	779.72
40 05 19 00-1591	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	10,267.17	1,032.87
40 05 19 00-1592	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	14,527.37	1,169.57
40 05 19 00-1593	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	24,273.84	1,336.66
40 05 19 00-1594	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow .....	32,307.73	1,640.44

**40 05 19 00-1595 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree****Elbows (40 05 19 00-0001)**

40 05 19 00-1596	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	442.03	167.08
40 05 19 00-1597	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	614.79	213.66
40 05 19 00-1598	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	812.56	242.02
40 05 19 00-1599	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,186.33	306.82
40 05 19 00-1600	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,459.90	340.24
40 05 19 00-1601	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,677.78	369.61
40 05 19 00-1602	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	2,111.64	455.68
40 05 19 00-1603	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	2,752.87	546.81
40 05 19 00-1604	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	3,560.61	688.58
40 05 19 00-1605	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	4,677.14	779.72
40 05 19 00-1606	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	9,211.32	1,032.87
40 05 19 00-1607	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	13,756.39	1,169.57
40 05 19 00-1608	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	20,959.23	1,336.66
40 05 19 00-1609	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	28,558.08	1,640.44

**40 05 19 00-1610 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree****Elbows (40 05 19 00-0001)**

40 05 19 00-1611	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	440.48	167.08
40 05 19 00-1612	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	602.41	213.66
40 05 19 00-1613	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	801.72	242.02
40 05 19 00-1614	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,155.37	306.82
40 05 19 00-1615	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,528.02	340.24
40 05 19 00-1616	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,892.98	369.61
40 05 19 00-1617	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,159.63	455.68
40 05 19 00-1618	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,811.70	546.81
40 05 19 00-1619	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	3,816.05	688.58
40 05 19 00-1620	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	5,259.24	779.72
40 05 19 00-1621	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	9,315.05	1,032.87
40 05 19 00-1622	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	13,994.80	1,169.57
40 05 19 00-1623	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	21,434.51	1,336.66
40 05 19 00-1624	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	29,177.35	1,640.44

**40 05 19 00-1625 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree****Elbows (40 05 19 00-0001)**

40 05 19 00-1626	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	479.18	167.08
40 05 19 00-1627	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	675.17	213.66
40 05 19 00-1628	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	832.69	242.02
40 05 19 00-1629	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,265.29	306.82
40 05 19 00-1630	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,730.83	340.24
40 05 19 00-1631	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,945.61	369.61
40 05 19 00-1632	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,379.47	455.68
40 05 19 00-1633	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,811.70	546.81
40 05 19 00-1634	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	3,816.05	688.58
40 05 19 00-1635	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	5,468.25	779.72
40 05 19 00-1636	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	9,418.78	1,032.87
40 05 19 00-1637	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	14,096.98	1,169.57
40 05 19 00-1638	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	21,542.88	1,336.66
40 05 19 00-1639	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	29,395.64	1,640.44

	MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**40 05 19 00-1640**

**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbows (40 05 19 00-0001)**

40 05 19 00-1641	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	615.10	190.38
40 05 19 00-1642	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	755.79	204.55
40 05 19 00-1643	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	851.46	227.83
40 05 19 00-1644	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,130.00	236.96
40 05 19 00-1645	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,194.71	260.24
40 05 19 00-1646	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,304.42	274.42
40 05 19 00-1647	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,214.91	254.17
40 05 19 00-1648	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,367.86	277.46
40 05 19 00-1649	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,568.93	291.63
40 05 19 00-1650	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,673.76	324.04
40 05 19 00-1651	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,568.93	291.63
40 05 19 00-1652	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,735.94	305.81
40 05 19 00-1653	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,933.66	338.21
40 05 19 00-1654	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,137.78	355.42
40 05 19 00-1655	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,809.08	334.67
40 05 19 00-1656	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	1,949.77	348.85
40 05 19 00-1657	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,235.73	381.25
40 05 19 00-1658	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,437.54	397.96
40 05 19 00-1659	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,608.40	412.64
40 05 19 00-1660	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,114.99	380.24
40 05 19 00-1661	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,521.95	394.42
40 05 19 00-1662	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,600.48	426.82
40 05 19 00-1663	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,745.00	443.53
40 05 19 00-1664	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,974.70	458.21
40 05 19 00-1665	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,244.26	501.25
40 05 19 00-1666	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,723.98	451.12
40 05 19 00-1667	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	2,904.94	465.30
40 05 19 00-1668	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,590.33	497.70
40 05 19 00-1669	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,725.55	514.41
40 05 19 00-1670	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,103.81	529.09
40 05 19 00-1671	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,022.00	572.13
40 05 19 00-1672	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,283.03	617.70
40 05 19 00-1673	EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,811.72	496.69
40 05 19 00-1674	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	3,994.21	510.87
40 05 19 00-1675	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,297.20	543.27
40 05 19 00-1676	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,514.49	559.97
40 05 19 00-1677	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	4,919.14	574.66
40 05 19 00-1678	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,301.72	617.70
40 05 19 00-1679	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,434.23	663.27
40 05 19 00-1680	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	5,709.53	655.93
40 05 19 00-1681	EA 30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,774.61	686.55
40 05 19 00-1682	EA 30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,207.13	701.24
40 05 19 00-1683	EA 30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,117.63	744.28
40 05 19 00-1684	EA 30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,425.20	789.84
40 05 19 00-1685	EA 30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,890.34	860.73
40 05 19 00-1686	EA 30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	11,501.23	906.30
40 05 19 00-1687	EA 36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,304.15	754.91
40 05 19 00-1688	EA 36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,020.20	769.59
40 05 19 00-1689	EA 36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,801.86	812.63
40 05 19 00-1690	EA 36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,769.07	858.19
40 05 19 00-1691	EA 36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,230.89	929.08
40 05 19 00-1692	EA 36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,329.44	974.65
40 05 19 00-1693	EA 36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,230.29	1,101.22
40 05 19 00-1694	EA 42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,388.74	853.13
40 05 19 00-1695	EA 42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	13,848.38	896.16
40 05 19 00-1696	EA 42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,613.00	941.73
40 05 19 00-1697	EA 42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,328.71	1,012.62
40 05 19 00-1698	EA 42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,024.42	1,058.18
40 05 19 00-1699	EA 42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	18,872.85	1,184.76
40 05 19 00-1700	EA 42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	26,587.17	1,253.11
40 05 19 00-1701	EA 48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	25,449.68	1,222.74
40 05 19 00-1702	EA 48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	27,680.39	1,349.32
40 05 19 00-1703	EA 48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	28,496.12	1,417.67
40 05 19 00-1704	EA 48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	36,392.91	1,501.20

**40 05 19 00-1705**

**Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows (40 05 19 00-0001)**

40 05 19 00-1706	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	550.40	167.08
40 05 19 00-1707	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	842.37	213.66
40 05 19 00-1708	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,225.92	242.02
40 05 19 00-1709	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,737.48	306.82
40 05 19 00-1710	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,439.88	340.24
40 05 19 00-1711	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,840.45	369.61
40 05 19 00-1712	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,681.48	455.68
40 05 19 00-1713	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,558.03	546.81
40 05 19 00-1714	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,206.41	688.58
40 05 19 00-1715	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	9,083.20	779.72
40 05 19 00-1716	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,938.08	1,032.87
40 05 19 00-1717	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	24,201.82	1,169.57
40 05 19 00-1718	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	37,456.42	1,336.66

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
<b>40 05 19 00-1719 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base</b> <small>(40 05 19 00-0001)</small>			
40 05 19 00-1720	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	579.81	167.08
40 05 19 00-1721	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	785.09	213.66
40 05 19 00-1722	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,266.17	242.02
40 05 19 00-1723	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	1,708.06	306.82
40 05 19 00-1724	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	2,283.52	340.24
40 05 19 00-1725	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	2,691.83	369.61
40 05 19 00-1726	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	3,325.40	455.68
40 05 19 00-1727	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	4,174.08	546.81
40 05 19 00-1728	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	5,503.55	688.58
40 05 19 00-1729	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	7,745.59	779.72
40 05 19 00-1730	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	12,660.62	1,032.87
40 05 19 00-1731	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	18,057.18	1,169.57
40 05 19 00-1732	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	33,412.63	1,336.66
40 05 19 00-1733	EA 48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base .....	36,058.92	1,640.44
<b>40 05 19 00-1734 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees</b> <small>(40 05 19 00-0001)</small>			
40 05 19 00-1735	EA 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	793.63	268.34
40 05 19 00-1736	EA 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	983.20	330.11
40 05 19 00-1737	EA 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	1,365.06	368.60
40 05 19 00-1738	EA 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	1,951.85	478.96
40 05 19 00-1739	EA 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	2,575.16	522.51
40 05 19 00-1740	EA 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	3,426.11	562.00
40 05 19 00-1741	EA 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	3,893.19	708.83
40 05 19 00-1742	EA 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	4,738.65	810.09
40 05 19 00-1743	EA 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	5,977.35	1,022.74
40 05 19 00-1744	EA 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	8,742.46	1,129.07
40 05 19 00-1745	EA 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	14,820.81	1,559.43
40 05 19 00-1746	EA 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	21,289.01	1,787.27
40 05 19 00-1747	EA 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee .....	43,767.56	2,065.74
<b>40 05 19 00-1748 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tees</b> <small>(40 05 19 00-0001)</small>			
40 05 19 00-1749	EA 6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	988.26	299.73
40 05 19 00-1750	EA 8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,212.66	305.81
40 05 19 00-1751	EA 8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,218.33	344.29
40 05 19 00-1752	EA 10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,588.42	338.21
40 05 19 00-1753	EA 10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,575.51	376.69
40 05 19 00-1754	EA 10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,661.88	401.00
40 05 19 00-1755	EA 12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,001.54	355.42
40 05 19 00-1756	EA 12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,002.56	393.90
40 05 19 00-1757	EA 12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,115.25	418.21
40 05 19 00-1758	EA 12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,519.79	496.18
40 05 19 00-1759	EA 14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,893.09	369.61
40 05 19 00-1760	EA 14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,838.37	408.09
40 05 19 00-1761	EA 14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,964.99	432.38
40 05 19 00-1762	EA 14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,140.42	510.36
40 05 19 00-1763	EA 14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,329.69	537.19
40 05 19 00-1764	EA 16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,503.24	412.64
40 05 19 00-1765	EA 16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,239.52	451.12
40 05 19 00-1766	EA 16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,192.75	475.43
40 05 19 00-1767	EA 16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,745.92	553.40
40 05 19 00-1768	EA 16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,642.61	580.23
40 05 19 00-1769	EA 16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,054.85	605.04
40 05 19 00-1770	EA 18" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,276.70	458.21
40 05 19 00-1771	EA 18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,248.19	496.69
40 05 19 00-1772	EA 18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,899.64	520.99
40 05 19 00-1773	EA 18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,926.43	598.97
40 05 19 00-1774	EA 18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,268.97	625.80
40 05 19 00-1775	EA 18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,654.91	650.61
40 05 19 00-1776	EA 18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,990.22	754.40
40 05 19 00-1777	EA 20" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,372.26	529.09
40 05 19 00-1778	EA 20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,748.94	567.57
40 05 19 00-1779	EA 20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,849.23	591.88
40 05 19 00-1780	EA 20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,063.36	669.85
40 05 19 00-1781	EA 20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,261.93	696.69
40 05 19 00-1782	EA 20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,332.03	721.49
40 05 19 00-1783	EA 20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,413.54	825.29
40 05 19 00-1784	EA 20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,561.41	880.98
40 05 19 00-1785	EA 24" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,256.75	574.66
40 05 19 00-1786	EA 24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,423.31	613.14
40 05 19 00-1787	EA 24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,669.13	637.45
40 05 19 00-1788	EA 24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,903.38	715.42
40 05 19 00-1789	EA 24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,606.65	742.25
40 05 19 00-1790	EA 24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,771.19	767.06
40 05 19 00-1791	EA 24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	7,012.05	870.85
40 05 19 00-1792	EA 24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,178.71	926.54
40 05 19 00-1793	EA 24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,499.48	990.09
40 05 19 00-1794	EA 30" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	11,056.88	739.72
40 05 19 00-1795	EA 30" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee .....	11,126.21	764.02



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1796	EA		30" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,450.25	842.00
40 05 19 00-1797	EA		30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,490.91	868.83
40 05 19 00-1798	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,528.51	893.64
40 05 19 00-1799	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,787.95	997.43
40 05 19 00-1800	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	11,940.46	1,053.12
40 05 19 00-1801	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	12,323.99	1,194.89
40 05 19 00-1802	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,729.12	1,255.65
40 05 19 00-1803	EA		36" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	15,258.85	1,058.69
40 05 19 00-1804	EA		36" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,314.43	1,077.93
40 05 19 00-1805	EA		36" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,432.11	1,133.12
40 05 19 00-1806	EA		36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,567.28	1,154.89
40 05 19 00-1807	EA		36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,631.25	1,174.64
40 05 19 00-1808	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,810.61	1,248.05
40 05 19 00-1809	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	16,921.38	1,298.69
40 05 19 00-1810	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,218.72	1,405.01
40 05 19 00-1811	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	17,607.35	1,458.17
40 05 19 00-1812	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	23,017.54	1,673.35
40 05 19 00-1813	EA		42" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	27,125.90	915.91
40 05 19 00-1814	EA		42" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,556.43	993.88
40 05 19 00-1815	EA		42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,597.09	1,020.72
40 05 19 00-1816	EA		42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,670.29	1,045.52
40 05 19 00-1817	EA		42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	24,900.32	1,149.32
40 05 19 00-1818	EA		42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,167.39	1,205.02
40 05 19 00-1819	EA		42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,382.19	1,346.78
40 05 19 00-1820	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	25,765.30	1,407.54
40 05 19 00-1821	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	32,633.41	1,711.33
40 05 19 00-1822	EA		42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	41,869.87	1,870.81
40 05 19 00-1823	EA		48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,221.96	1,185.27
40 05 19 00-1824	EA		48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,259.55	1,210.08
40 05 19 00-1825	EA		48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,525.18	1,313.87
40 05 19 00-1826	EA		48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,609.57	1,369.56
40 05 19 00-1827	EA		48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	33,968.35	1,511.34
40 05 19 00-1828	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	34,315.85	1,572.09
40 05 19 00-1829	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Reducing Tee.....	35,287.03	1,875.87
40 05 19 00-1830			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tees With Base</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1831	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	852.46	268.34
40 05 19 00-1832	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,151.95	330.11
40 05 19 00-1833	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,656.12	368.60
40 05 19 00-1834	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	2,501.45	478.96
40 05 19 00-1835	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	3,336.86	522.51
40 05 19 00-1836	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	3,723.36	562.00
40 05 19 00-1837	EA		16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	4,623.92	708.83
40 05 19 00-1838	EA		18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	5,607.16	810.09
40 05 19 00-1839	EA		20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	7,475.97	1,022.74
40 05 19 00-1840	EA		24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	10,696.24	1,129.07
40 05 19 00-1841	EA		30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	17,862.95	1,559.43
40 05 19 00-1842	EA		36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Tee With Base .....	25,374.60	1,787.27
40 05 19 00-1843			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wyes</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1844	EA		4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	703.84	268.34
40 05 19 00-1845	EA		6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	975.46	330.11
40 05 19 00-1846	EA		8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,388.28	368.60
40 05 19 00-1847	EA		10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	1,823.36	478.96
40 05 19 00-1848	EA		12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	2,567.42	522.51
40 05 19 00-1849	EA		14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Wye.....	3,308.45	562.00
40 05 19 00-1850			<b>Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Crosses</b> <small>(40 05 19 00-0001)</small>		
40 05 19 00-1851	EA		4" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	967.18	369.61
40 05 19 00-1852	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	1,258.58	400.49
40 05 19 00-1853	EA		6" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	1,337.67	446.57
40 05 19 00-1854	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	1,534.83	407.08
40 05 19 00-1855	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	1,676.53	460.74
40 05 19 00-1856	EA		8" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	1,739.52	495.17
40 05 19 00-1857	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	1,967.87	439.47
40 05 19 00-1858	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,168.40	493.15
40 05 19 00-1859	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,369.19	527.58
40 05 19 00-1860	EA		10" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	2,940.31	651.12
40 05 19 00-1861	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,525.76	456.18
40 05 19 00-1862	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,665.90	509.86
40 05 19 00-1863	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	2,868.24	544.29
40 05 19 00-1864	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	3,468.78	667.82
40 05 19 00-1865	EA		12" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	3,281.72	704.78
40 05 19 00-1866	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,161.89	524.54
40 05 19 00-1867	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,362.68	558.96
40 05 19 00-1868	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	3,757.30	682.50
40 05 19 00-1869	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	4,081.15	719.47
40 05 19 00-1870	EA		14" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross .....	4,281.16	754.40
40 05 19 00-1871	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,761.21	567.57
40 05 19 00-1872	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,989.86	602.00



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1873	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,384.51	725.54
40 05 19 00-1874	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,737.74	762.50
40 05 19 00-1875	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,554.04	797.44
40 05 19 00-1876	EA		16" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,394.52	961.99
40 05 19 00-1877	EA		18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	3,920.05	613.14
40 05 19 00-1878	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,147.16	647.57
40 05 19 00-1879	EA		18" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,482.96	771.11
40 05 19 00-1880	EA		18" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	4,834.66	808.07
40 05 19 00-1881	EA		18" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,537.82	843.01
40 05 19 00-1882	EA		18" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,054.97	1,007.55
40 05 19 00-1883	EA		18" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,332.73	1,073.38
40 05 19 00-1884	EA		20" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,084.84	684.03
40 05 19 00-1885	EA		20" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,327.42	718.46
40 05 19 00-1886	EA		20" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	5,641.55	842.00
40 05 19 00-1887	EA		20" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,016.48	878.95
40 05 19 00-1888	EA		20" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,132.89	913.88
40 05 19 00-1889	EA		20" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,465.92	1,078.44
40 05 19 00-1890	EA		20" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,756.07	1,144.26
40 05 19 00-1891	EA		20" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,525.68	1,356.90
40 05 19 00-1892	EA		24" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,683.46	729.59
40 05 19 00-1893	EA		24" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	6,861.03	764.02
40 05 19 00-1894	EA		24" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,271.15	887.56
40 05 19 00-1895	EA		24" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,519.11	924.52
40 05 19 00-1896	EA		24" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	7,668.03	959.45
40 05 19 00-1897	EA		24" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	8,140.29	1,124.01
40 05 19 00-1898	EA		24" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	10,503.43	1,189.82
40 05 19 00-1899	EA		24" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	11,118.91	1,324.26
40 05 19 00-1900	EA		24" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,245.80	1,478.42
40 05 19 00-1901	EA		30" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,279.53	1,051.10
40 05 19 00-1902	EA		30" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,366.51	1,086.03
40 05 19 00-1903	EA		30" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	12,854.24	1,250.59
40 05 19 00-1904	EA		30" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,022.09	1,316.40
40 05 19 00-1905	EA		30" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	13,720.50	1,529.06
40 05 19 00-1906	EA		30" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,761.70	1,605.00
40 05 19 00-1907	EA		30" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	20,229.05	2,086.00
40 05 19 00-1908	EA		36" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,318.73	1,337.16
40 05 19 00-1909	EA		36" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,363.99	1,367.04
40 05 19 00-1910	EA		36" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,774.74	1,501.20
40 05 19 00-1911	EA		36" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	17,933.36	1,561.97
40 05 19 00-1912	EA		36" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	18,509.94	1,739.17
40 05 19 00-1913	EA		36" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	19,160.00	1,807.52
40 05 19 00-1914	EA		36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,863.58	2,199.91
40 05 19 00-1915	EA		36" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	28,358.72	2,404.96
40 05 19 00-1916	EA		42" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,419.77	1,202.99
40 05 19 00-1917	EA		42" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,472.69	1,237.93
40 05 19 00-1918	EA		42" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	25,940.32	1,402.48
40 05 19 00-1919	EA		42" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	26,075.64	1,468.30
40 05 19 00-1920	EA		42" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	26,726.05	1,680.95
40 05 19 00-1921	EA		42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	27,387.62	1,756.89
40 05 19 00-1922	EA		42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	35,251.87	2,237.88
40 05 19 00-1923	EA		42" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	48,595.89	2,488.51
40 05 19 00-1924	EA		48" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	36,205.63	2,794.83
40 05 19 00-1925	EA		48" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	34,058.87	1,402.48
40 05 19 00-1926	EA		48" x 16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	34,528.03	1,567.03
40 05 19 00-1927	EA		48" x 18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	34,663.35	1,632.85
40 05 19 00-1928	EA		48" x 20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	35,276.61	1,845.50
40 05 19 00-1929	EA		48" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	35,938.18	1,921.44
40 05 19 00-1930	EA		48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Cross.....	37,650.04	2,402.44

**40 05 19 00-1931 Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducers (40 05 19 00-0001)**

40 05 19 00-1932	EA		6" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	514.47	190.38
40 05 19 00-1933	EA		8" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	648.97	204.55
40 05 19 00-1934	EA		8" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	715.22	227.83
40 05 19 00-1935	EA		10" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	865.27	236.96
40 05 19 00-1936	EA		10" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	877.34	260.24
40 05 19 00-1937	EA		10" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,019.56	274.42
40 05 19 00-1938	EA		12" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,095.71	254.17
40 05 19 00-1939	EA		12" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,135.64	277.46
40 05 19 00-1940	EA		12" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,242.27	291.63
40 05 19 00-1941	EA		12" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,396.64	324.04
40 05 19 00-1942	EA		14" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,689.88	277.46
40 05 19 00-1943	EA		14" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,359.93	291.63
40 05 19 00-1944	EA		14" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,500.62	305.81
40 05 19 00-1945	EA		14" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,650.35	338.21
40 05 19 00-1946	EA		14" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,609.86	355.42
40 05 19 00-1947	EA		16" x 4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,996.73	311.38
40 05 19 00-1948	EA		16" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,634.14	334.67
40 05 19 00-1949	EA		16" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,550.35	348.85
40 05 19 00-1950	EA		16" x 10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	1,726.38	381.25
40 05 19 00-1951	EA		16" x 12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,124.81	397.96
40 05 19 00-1952	EA		16" x 14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,283.29	412.64
40 05 19 00-1953	EA		18" x 6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,523.71	380.24
40 05 19 00-1954	EA		18" x 8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,018.80	394.42

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-1955	EA	18" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,216.53	426.82
40 05 19 00-1956	EA	18" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,206.24	443.53
40 05 19 00-1957	EA	18" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,528.83	458.21
40 05 19 00-1958	EA	18" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,533.65	501.25
40 05 19 00-1959	EA	20" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,595.49	451.12
40 05 19 00-1960	EA	20" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,522.54	465.30
40 05 19 00-1961	EA	20" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,731.10	497.70
40 05 19 00-1962	EA	20" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,668.16	514.41
40 05 19 00-1963	EA	20" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,066.61	529.09
40 05 19 00-1964	EA	20" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	2,893.40	572.13
40 05 19 00-1965	EA	20" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,550.75	617.70
40 05 19 00-1966	EA	24" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,387.33	510.87
40 05 19 00-1967	EA	24" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,818.82	543.27
40 05 19 00-1968	EA	24" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,102.68	559.97
40 05 19 00-1969	EA	24" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,211.63	574.66
40 05 19 00-1970	EA	24" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	3,748.92	617.70
40 05 19 00-1971	EA	24" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,509.97	663.27
40 05 19 00-1972	EA	24" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	4,754.31	655.93
40 05 19 00-1973	EA	30" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	6,453.36	744.28
40 05 19 00-1974	EA	30" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	6,728.31	789.84
40 05 19 00-1975	EA	30" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,245.97	860.73
40 05 19 00-1976	EA	30" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	7,997.75	906.30
40 05 19 00-1977	EA	36" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	8,776.98	812.63
40 05 19 00-1978	EA	36" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	9,220.69	858.19
40 05 19 00-1979	EA	36" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	9,806.47	929.08
40 05 19 00-1980	EA	36" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	10,661.96	974.65
40 05 19 00-1981	EA	36" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	12,287.35	1,101.22
40 05 19 00-1982	EA	42" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	14,858.66	1,058.18
40 05 19 00-1983	EA	42" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	16,796.77	1,184.76
40 05 19 00-1984	EA	42" x 36"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	18,976.41	1,253.11
40 05 19 00-1985	EA	48" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	18,857.62	1,222.74
40 05 19 00-1986	EA	48" x 30"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	21,161.09	1,349.32
40 05 19 00-1987	EA	48" x 36"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	23,631.80	1,417.67
40 05 19 00-1988	EA	48" x 42"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Concentric Reducer .....	26,453.72	1,501.20

**40 05 19 00-1989**

**Flanged End x Flanged End, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducers (40 05 19 00-0001)**

40 05 19 00-1990	EA	6" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	556.27	190.38
40 05 19 00-1991	EA	8" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	696.96	204.55
40 05 19 00-1992	EA	8" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	791.08	227.83
40 05 19 00-1993	EA	10" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	865.27	236.96
40 05 19 00-1994	EA	10" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	928.43	260.24
40 05 19 00-1995	EA	10" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,067.56	274.42
40 05 19 00-1996	EA	12" x 4"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,095.71	254.17
40 05 19 00-1997	EA	12" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,191.37	277.46
40 05 19 00-1998	EA	12" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,301.10	291.63
40 05 19 00-1999	EA	12" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,498.82	324.04
40 05 19 00-2000	EA	14" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,359.93	291.63
40 05 19 00-2001	EA	14" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,471.20	305.81
40 05 19 00-2002	EA	14" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,639.51	338.21
40 05 19 00-2003	EA	14" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,871.50	355.42
40 05 19 00-2004	EA	16" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,634.14	334.67
40 05 19 00-2005	EA	16" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,771.73	348.85
40 05 19 00-2006	EA	16" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	1,969.45	381.25
40 05 19 00-2007	EA	16" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,172.80	397.96
40 05 19 00-2008	EA	16" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,283.29	412.64
40 05 19 00-2009	EA	18" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,018.80	394.42
40 05 19 00-2010	EA	18" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,216.53	426.82
40 05 19 00-2011	EA	18" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,419.88	443.53
40 05 19 00-2012	EA	18" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,528.83	458.21
40 05 19 00-2013	EA	18" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,772.07	501.25
40 05 19 00-2014	EA	20" x 6"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,926.79	451.12
40 05 19 00-2015	EA	20" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,682.00	465.30
40 05 19 00-2016	EA	20" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,731.10	497.70
40 05 19 00-2017	EA	20" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	2,979.34	514.41
40 05 19 00-2018	EA	20" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,066.61	529.09
40 05 19 00-2019	EA	20" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,351.66	572.13
40 05 19 00-2020	EA	20" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,549.20	617.70
40 05 19 00-2021	EA	24" x 8"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,706.26	510.87
40 05 19 00-2022	EA	24" x 10"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,818.82	543.27
40 05 19 00-2023	EA	24" x 12"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,907.61	559.97
40 05 19 00-2024	EA	24" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	3,993.34	574.66
40 05 19 00-2025	EA	24" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,283.03	617.70
40 05 19 00-2026	EA	24" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,509.97	663.27
40 05 19 00-2027	EA	24" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	4,754.31	655.93
40 05 19 00-2028	EA	30" x 14"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,687.06	701.24
40 05 19 00-2029	EA	30" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,512.30	744.28
40 05 19 00-2030	EA	30" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	6,762.37	789.84
40 05 19 00-2031	EA	30" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,245.97	860.73
40 05 19 00-2032	EA	30" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	7,997.75	906.30
40 05 19 00-2033	EA	36" x 16"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	8,845.10	812.63
40 05 19 00-2034	EA	36" x 18"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	9,220.69	858.19
40 05 19 00-2035	EA	36" x 20"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	9,772.41	929.08
40 05 19 00-2036	EA	36" x 24"	Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	10,624.81	974.65

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-2037	EA	36" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,253.29	1,101.22
40 05 19 00-2038	EA	42" x 24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	14,858.66	1,058.18
40 05 19 00-2039	EA	42" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	12,616.74	1,184.76
40 05 19 00-2040	EA	42" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	18,976.41	1,253.11
40 05 19 00-2041	EA	48" x 30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	21,161.09	1,349.32
40 05 19 00-2042	EA	48" x 36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	23,631.80	1,417.67
40 05 19 00-2043	EA	48" x 42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Eccentric Reducer.....	26,453.72	1,501.20

40 05 19 00-2044 Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flanges <sup>(40 05 19 00-0001)</sup>

40 05 19 00-2045	EA	4" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	197.25	65.82
40 05 19 00-2046	EA	6" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	295.91	97.21
40 05 19 00-2047	EA	8" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	424.16	115.44
40 05 19 00-2048	EA	10" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	578.71	134.68
40 05 19 00-2049	EA	12" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	744.05	157.97
40 05 19 00-2050	EA	14" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	977.56	177.21
40 05 19 00-2051	EA	16" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,166.08	202.53
40 05 19 00-2052	EA	18" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,581.43	283.54
40 05 19 00-2053	EA	20" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,095.99	354.41
40 05 19 00-2054	EA	24" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,971.21	430.36
40 05 19 00-2055	EA	30" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	4,168.51	501.25
40 05 19 00-2056	EA	36" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	7,378.69	551.88
40 05 19 00-2057	EA	42" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	10,370.53	607.58
40 05 19 00-2058	EA	48" Flanged, Cement Lined, Bituminous Seal Coat, Ductile Iron Blind Flange.....	13,682.55	683.51

40 05 19 00-2059 Flanged End (FxF), Ductile Iron Flexible Ball Joint <sup>(40 05 19 00-0001)</sup>

Note: All internal surfaces (wetted parts) shall be lined with a minimum of 15 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C213. Sealing gaskets shall be constructed of EPDM. The coating shall meet ANSI/NSF-61. Exterior surfaces shall be coated with a minimum of 6 mils of fusion bonded epoxy conforming to the applicable requirements of ANSI/AWWA C116/A21.16.

40 05 19 00-2060	EA	3" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	1,157.86	123.18
40 05 19 00-2061	EA	4" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	1,344.56	144.52
40 05 19 00-2062	EA	6" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	2,124.82	180.66
40 05 19 00-2063	EA	8" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	2,809.66	206.49
40 05 19 00-2064	EA	10" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	3,890.02	313.15
40 05 19 00-2065	EA	12" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	5,070.26	341.62
40 05 19 00-2066	EA	14" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	5,867.51	375.78
40 05 19 00-2067	EA	16" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	6,521.91	417.48
40 05 19 00-2068	EA	18" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	9,299.40	469.73
40 05 19 00-2069	EA	20" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	9,515.52	536.78
40 05 19 00-2070	EA	24" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	16,550.44	626.30
40 05 19 00-2071	EA	30" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	57,582.95	751.56
40 05 19 00-2072	EA	36" Diameter, Flange x Flange, Ductile Iron, Flexible Ball Joint.....	81,726.06	939.45

40 05 19 00-2073 Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Piping <sup>(40 05 19)</sup>

Note: 350 PSI rating for 2" - 24" sizes, 250 PSI rating for 30" - 48" sizes. Pipe barrels conform to ANSI/AWWA C151/A21.51. The bolt holes are aligned per ANSI/AWWA C115/A21.15. Flanged fittings conform to ANSI/AWWA C110/A21.10. Interiors shall be ceramic epoxy. Exterior shall be bituminous coating, in accordance with ANSI/AWWA C104/A21.04. See CSI section 40 05 19 00-4076 for bolts, 40 05 19 00-4091 for gaskets.

40 05 19 00-2074 Flanged End (FxF), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-2073)</sup>40 05 19 00-2075 4" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <sup>(40 05 19 00-2074)</sup>

40 05 19 00-2076	EA	4" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,202.18	289.61
		For Class 52 Rating, Deduct	-83.97	
		For Class 54 Rating, Add	119.77	
		For Class 55 Rating, Add	180.76	
		For Class 56 Rating, Add	240.99	
40 05 19 00-2077	EA	4" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,318.50	294.67
		For Class 52 Rating, Deduct	-95.92	
		For Class 54 Rating, Add	136.16	
		For Class 55 Rating, Add	205.18	
		For Class 56 Rating, Add	273.32	
40 05 19 00-2078	EA	4" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,434.82	299.73
		For Class 52 Rating, Deduct	-107.87	
		For Class 54 Rating, Add	152.55	
		For Class 55 Rating, Add	229.59	
		For Class 56 Rating, Add	305.65	
40 05 19 00-2079	EA	4" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,551.14	304.80
		For Class 52 Rating, Deduct	-119.83	
		For Class 54 Rating, Add	168.94	
		For Class 55 Rating, Add	254.00	
		For Class 56 Rating, Add	337.97	

MINOR		TOTAL DIRECT		DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST	UNIT COST
40 05 19 00-2080	EA 4" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,667.45		309.86
	For Class 52 Rating, Deduct	-131.78		
	For Class 54 Rating, Add	185.33		
	For Class 55 Rating, Add	278.41		
	For Class 56 Rating, Add	370.30		
40 05 19 00-2081	EA 4" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,783.78		314.93
	For Class 52 Rating, Deduct	-143.73		
	For Class 54 Rating, Add	201.72		
	For Class 55 Rating, Add	302.83		
	For Class 56 Rating, Add	402.63		
40 05 19 00-2082	EA 4" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,900.09		319.99
	For Class 52 Rating, Deduct	-155.68		
	For Class 54 Rating, Add	218.11		
	For Class 55 Rating, Add	327.24		
	For Class 56 Rating, Add	434.96		
40 05 19 00-2083	EA 4" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,016.41		325.05
	For Class 52 Rating, Deduct	-167.63		
	For Class 54 Rating, Add	234.50		
	For Class 55 Rating, Add	351.65		
	For Class 56 Rating, Add	467.28		
40 05 19 00-2084	EA 4" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,132.73		330.11
	For Class 52 Rating, Deduct	-179.58		
	For Class 54 Rating, Add	250.89		
	For Class 55 Rating, Add	376.06		
	For Class 56 Rating, Add	499.61		
40 05 19 00-2085	EA 4" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,249.04		335.18
	For Class 52 Rating, Deduct	-191.53		
	For Class 54 Rating, Add	267.27		
	For Class 55 Rating, Add	400.48		
	For Class 56 Rating, Add	531.94		
40 05 19 00-2086	EA 4" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,365.37		340.24
	For Class 52 Rating, Deduct	-203.48		
	For Class 54 Rating, Add	283.66		
	For Class 55 Rating, Add	424.89		
	For Class 56 Rating, Add	564.26		
40 05 19 00-2087	EA 4" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,481.68		345.30
	For Class 52 Rating, Deduct	-215.44		
	For Class 54 Rating, Add	300.05		
	For Class 55 Rating, Add	449.30		
	For Class 56 Rating, Add	596.59		
40 05 19 00-2088	EA 4" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,598.00		350.36
	For Class 52 Rating, Deduct	-227.39		
	For Class 54 Rating, Add	316.44		
	For Class 55 Rating, Add	473.71		
	For Class 56 Rating, Add	628.92		
40 05 19 00-2089	EA 4" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,714.32		355.42
	For Class 52 Rating, Deduct	-239.34		
	For Class 54 Rating, Add	332.83		
	For Class 55 Rating, Add	498.13		
	For Class 56 Rating, Add	661.25		
40 05 19 00-2090	EA 4" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,830.64		360.50
	For Class 52 Rating, Deduct	-251.29		
	For Class 54 Rating, Add	349.22		
	For Class 55 Rating, Add	522.54		
	For Class 56 Rating, Add	693.57		
40 05 19 00-2091	EA 4" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,946.95		365.56
	For Class 52 Rating, Deduct	-263.24		
	For Class 54 Rating, Add	365.61		
	For Class 55 Rating, Add	546.95		
	For Class 56 Rating, Add	725.90		
40 05 19 00-2092	EA 4" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,063.27		370.62
	For Class 52 Rating, Deduct	-275.19		
	For Class 54 Rating, Add	382.00		
	For Class 55 Rating, Add	571.36		
	For Class 56 Rating, Add	758.23		
40 05 19 00-2093	EA 4" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,179.60		375.68
	For Class 52 Rating, Deduct	-287.14		
	For Class 54 Rating, Add	398.39		
	For Class 55 Rating, Add	595.78		
	For Class 56 Rating, Add	790.55		
40 05 19 00-2094	EA 4" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,295.91		380.74
	For Class 52 Rating, Deduct	-299.09		
	For Class 54 Rating, Add	414.78		
	For Class 55 Rating, Add	620.19		
	For Class 56 Rating, Add	822.88		



**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
40 05 19 00-2095	EA	4" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,412.22		385.81
		<i>For Class 52 Rating, Deduct</i>	-311.04		
		<i>For Class 54 Rating, Add</i>	431.17		
		<i>For Class 55 Rating, Add</i>	644.60		
		<i>For Class 56 Rating, Add</i>	855.21		
40 05 19 00-2096	EA	4" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,528.55		390.87
		<i>For Class 52 Rating, Deduct</i>	-323.00		
		<i>For Class 54 Rating, Add</i>	447.55		
		<i>For Class 55 Rating, Add</i>	669.01		
		<i>For Class 56 Rating, Add</i>	887.53		
40 05 19 00-2097	EA	4" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,644.86		395.93
		<i>For Class 52 Rating, Deduct</i>	-334.95		
		<i>For Class 54 Rating, Add</i>	463.94		
		<i>For Class 55 Rating, Add</i>	693.42		
		<i>For Class 56 Rating, Add</i>	919.86		
40 05 19 00-2098	EA	4" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,761.19		401.00
		<i>For Class 52 Rating, Deduct</i>	-346.90		
		<i>For Class 54 Rating, Add</i>	480.33		
		<i>For Class 55 Rating, Add</i>	717.84		
		<i>For Class 56 Rating, Add</i>	952.19		
40 05 19 00-2099	EA	4" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,877.50		406.06
		<i>For Class 52 Rating, Deduct</i>	-358.85		
		<i>For Class 54 Rating, Add</i>	496.72		
		<i>For Class 55 Rating, Add</i>	742.25		
		<i>For Class 56 Rating, Add</i>	984.52		
40 05 19 00-2100	EA	4" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,993.81		411.12
		<i>For Class 52 Rating, Deduct</i>	-370.80		
		<i>For Class 54 Rating, Add</i>	513.11		
		<i>For Class 55 Rating, Add</i>	766.66		
		<i>For Class 56 Rating, Add</i>	1,016.84		
40 05 19 00-2101	EA	4" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,110.14		416.19
		<i>For Class 52 Rating, Deduct</i>	-382.75		
		<i>For Class 54 Rating, Add</i>	529.50		
		<i>For Class 55 Rating, Add</i>	791.07		
		<i>For Class 56 Rating, Add</i>	1,049.17		
40 05 19 00-2102	EA	4" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,226.45		421.25
		<i>For Class 52 Rating, Deduct</i>	-394.70		
		<i>For Class 54 Rating, Add</i>	545.89		
		<i>For Class 55 Rating, Add</i>	815.49		
		<i>For Class 56 Rating, Add</i>	1,081.50		
40 05 19 00-2103	EA	4" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,342.77		426.31
		<i>For Class 52 Rating, Deduct</i>	-406.65		
		<i>For Class 54 Rating, Add</i>	562.28		
		<i>For Class 55 Rating, Add</i>	839.90		
		<i>For Class 56 Rating, Add</i>	1,113.82		
40 05 19 00-2104	EA	4" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,459.09		431.37
		<i>For Class 52 Rating, Deduct</i>	-418.60		
		<i>For Class 54 Rating, Add</i>	578.67		
		<i>For Class 55 Rating, Add</i>	864.31		
		<i>For Class 56 Rating, Add</i>	1,146.15		
40 05 19 00-2105	EA	4" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,575.41		436.43
		<i>For Class 52 Rating, Deduct</i>	-430.56		
		<i>For Class 54 Rating, Add</i>	595.06		
		<i>For Class 55 Rating, Add</i>	888.72		
		<i>For Class 56 Rating, Add</i>	1,178.48		
40 05 19 00-2106	EA	4" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,691.72		441.51
		<i>For Class 52 Rating, Deduct</i>	-442.51		
		<i>For Class 54 Rating, Add</i>	611.44		
		<i>For Class 55 Rating, Add</i>	913.13		
		<i>For Class 56 Rating, Add</i>	1,210.80		
40 05 19 00-2107	EA	4" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,808.04		446.57
		<i>For Class 52 Rating, Deduct</i>	-454.46		
		<i>For Class 54 Rating, Add</i>	627.83		
		<i>For Class 55 Rating, Add</i>	937.55		
		<i>For Class 56 Rating, Add</i>	1,243.13		
40 05 19 00-2108	EA	4" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,924.37		451.63
		<i>For Class 52 Rating, Deduct</i>	-466.41		
		<i>For Class 54 Rating, Add</i>	644.22		
		<i>For Class 55 Rating, Add</i>	961.96		
		<i>For Class 56 Rating, Add</i>	1,275.46		
40 05 19 00-2109	EA	4" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,040.68		456.69
		<i>For Class 52 Rating, Deduct</i>	-478.36		
		<i>For Class 54 Rating, Add</i>	660.61		
		<i>For Class 55 Rating, Add</i>	986.37		
		<i>For Class 56 Rating, Add</i>	1,307.78		



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2110	EA		4" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,156.99	461.75
			For Class 52 Rating, Deduct	-490.31	
			For Class 54 Rating, Add	677.00	
			For Class 55 Rating, Add	1,010.78	
			For Class 56 Rating, Add	1,340.11	
40 05 19 00-2111	EA		4" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,273.31	466.82
			For Class 52 Rating, Deduct	-502.26	
			For Class 54 Rating, Add	693.39	
			For Class 55 Rating, Add	1,035.20	
			For Class 56 Rating, Add	1,372.44	
40 05 19 00-2112	EA		4" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,389.63	471.88
			For Class 52 Rating, Deduct	-514.21	
			For Class 54 Rating, Add	709.78	
			For Class 55 Rating, Add	1,059.61	
			For Class 56 Rating, Add	1,404.76	
40 05 19 00-2113	EA		4" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,505.95	476.94
			For Class 52 Rating, Deduct	-526.16	
			For Class 54 Rating, Add	726.17	
			For Class 55 Rating, Add	1,084.02	
			For Class 56 Rating, Add	1,437.09	
40 05 19 00-2114	EA		4" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,622.26	482.01
			For Class 52 Rating, Deduct	-538.11	
			For Class 54 Rating, Add	742.56	
			For Class 55 Rating, Add	1,108.43	
			For Class 56 Rating, Add	1,469.42	
<b>40 05 19 00-2115</b>			<b>6" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-2074)</small>		
40 05 19 00-2116	EA		6" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,504.42	364.55
			For Class 52 Rating, Deduct	-104.73	
			For Class 54 Rating, Add	149.44	
			For Class 55 Rating, Add	225.57	
			For Class 56 Rating, Add	300.75	
40 05 19 00-2117	EA		6" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,637.90	369.61
			For Class 52 Rating, Deduct	-118.57	
			For Class 54 Rating, Add	168.40	
			For Class 55 Rating, Add	253.81	
			For Class 56 Rating, Add	338.14	
40 05 19 00-2118	EA		6" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,771.37	374.67
			For Class 52 Rating, Deduct	-132.41	
			For Class 54 Rating, Add	187.37	
			For Class 55 Rating, Add	282.05	
			For Class 56 Rating, Add	375.53	
40 05 19 00-2119	EA		6" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,904.84	379.73
			For Class 52 Rating, Deduct	-146.24	
			For Class 54 Rating, Add	206.33	
			For Class 55 Rating, Add	310.28	
			For Class 56 Rating, Add	412.91	
40 05 19 00-2120	EA		6" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,038.31	384.79
			For Class 52 Rating, Deduct	-160.08	
			For Class 54 Rating, Add	225.29	
			For Class 55 Rating, Add	338.52	
			For Class 56 Rating, Add	450.30	
40 05 19 00-2121	EA		6" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,171.78	389.86
			For Class 52 Rating, Deduct	-173.92	
			For Class 54 Rating, Add	244.25	
			For Class 55 Rating, Add	366.76	
			For Class 56 Rating, Add	487.69	
40 05 19 00-2122	EA		6" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,305.26	394.92
			For Class 52 Rating, Deduct	-187.76	
			For Class 54 Rating, Add	263.21	
			For Class 55 Rating, Add	395.00	
			For Class 56 Rating, Add	525.07	
40 05 19 00-2123	EA		6" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,438.74	399.99
			For Class 52 Rating, Deduct	-201.60	
			For Class 54 Rating, Add	282.18	
			For Class 55 Rating, Add	423.24	
			For Class 56 Rating, Add	562.46	
40 05 19 00-2124	EA		6" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,572.21	405.05
			For Class 52 Rating, Deduct	-215.44	
			For Class 54 Rating, Add	301.14	
			For Class 55 Rating, Add	451.47	
			For Class 56 Rating, Add	599.85	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2125	EA		6" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,705.68	410.11
			For Class 52 Rating, Deduct	-229.27	
			For Class 54 Rating, Add	320.10	
			For Class 55 Rating, Add	479.71	
			For Class 56 Rating, Add	637.24	
40 05 19 00-2126	EA		6" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,839.15	415.17
			For Class 52 Rating, Deduct	-243.11	
			For Class 54 Rating, Add	339.06	
			For Class 55 Rating, Add	507.95	
			For Class 56 Rating, Add	674.63	
40 05 19 00-2127	EA		6" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,972.62	420.24
			For Class 52 Rating, Deduct	-256.95	
			For Class 54 Rating, Add	358.03	
			For Class 55 Rating, Add	536.19	
			For Class 56 Rating, Add	712.01	
40 05 19 00-2128	EA		6" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,106.09	425.30
			For Class 52 Rating, Deduct	-270.79	
			For Class 54 Rating, Add	376.99	
			For Class 55 Rating, Add	564.42	
			For Class 56 Rating, Add	749.40	
40 05 19 00-2129	EA		6" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,239.57	430.36
			For Class 52 Rating, Deduct	-284.63	
			For Class 54 Rating, Add	395.95	
			For Class 55 Rating, Add	592.66	
			For Class 56 Rating, Add	786.79	
40 05 19 00-2130	EA		6" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,373.04	435.42
			For Class 52 Rating, Deduct	-298.46	
			For Class 54 Rating, Add	414.91	
			For Class 55 Rating, Add	620.90	
			For Class 56 Rating, Add	824.17	
40 05 19 00-2131	EA		6" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,506.51	440.49
			For Class 52 Rating, Deduct	-312.30	
			For Class 54 Rating, Add	433.88	
			For Class 55 Rating, Add	649.14	
			For Class 56 Rating, Add	861.56	
40 05 19 00-2132	EA		6" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,639.99	445.56
			For Class 52 Rating, Deduct	-326.14	
			For Class 54 Rating, Add	452.84	
			For Class 55 Rating, Add	677.38	
			For Class 56 Rating, Add	898.95	
40 05 19 00-2133	EA		6" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,773.46	450.62
			For Class 52 Rating, Deduct	-339.98	
			For Class 54 Rating, Add	471.80	
			For Class 55 Rating, Add	705.61	
			For Class 56 Rating, Add	936.34	
40 05 19 00-2134	EA		6" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,906.94	455.68
			For Class 52 Rating, Deduct	-353.82	
			For Class 54 Rating, Add	490.76	
			For Class 55 Rating, Add	733.85	
			For Class 56 Rating, Add	973.73	
40 05 19 00-2135	EA		6" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,040.40	460.74
			For Class 52 Rating, Deduct	-367.65	
			For Class 54 Rating, Add	509.72	
			For Class 55 Rating, Add	762.09	
			For Class 56 Rating, Add	1,011.11	
40 05 19 00-2136	EA		6" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,173.87	465.80
			For Class 52 Rating, Deduct	-381.49	
			For Class 54 Rating, Add	528.69	
			For Class 55 Rating, Add	790.33	
			For Class 56 Rating, Add	1,048.50	
40 05 19 00-2137	EA		6" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,307.35	470.87
			For Class 52 Rating, Deduct	-395.33	
			For Class 54 Rating, Add	547.65	
			For Class 55 Rating, Add	818.56	
			For Class 56 Rating, Add	1,085.89	
40 05 19 00-2138	EA		6" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,440.82	475.93
			For Class 52 Rating, Deduct	-409.17	
			For Class 54 Rating, Add	566.61	
			For Class 55 Rating, Add	846.80	
			For Class 56 Rating, Add	1,123.28	
40 05 19 00-2139	EA		6" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,574.30	480.99
			For Class 52 Rating, Deduct	-423.01	
			For Class 54 Rating, Add	585.57	
			For Class 55 Rating, Add	875.04	
			For Class 56 Rating, Add	1,160.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2140	EA		6" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,707.77	486.06
			For Class 52 Rating, Deduct	-436.85	
			For Class 54 Rating, Add	604.54	
			For Class 55 Rating, Add	903.28	
			For Class 56 Rating, Add	1,198.05	
40 05 19 00-2141	EA		6" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,841.24	491.12
			For Class 52 Rating, Deduct	-450.68	
			For Class 54 Rating, Add	623.50	
			For Class 55 Rating, Add	931.52	
			For Class 56 Rating, Add	1,235.44	
40 05 19 00-2142	EA		6" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,974.71	496.18
			For Class 52 Rating, Deduct	-464.52	
			For Class 54 Rating, Add	642.46	
			For Class 55 Rating, Add	959.75	
			For Class 56 Rating, Add	1,272.83	
40 05 19 00-2143	EA		6" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,108.18	501.25
			For Class 52 Rating, Deduct	-478.36	
			For Class 54 Rating, Add	661.42	
			For Class 55 Rating, Add	987.99	
			For Class 56 Rating, Add	1,310.21	
40 05 19 00-2144	EA		6" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,241.66	506.31
			For Class 52 Rating, Deduct	-492.20	
			For Class 54 Rating, Add	680.38	
			For Class 55 Rating, Add	1,016.23	
			For Class 56 Rating, Add	1,347.60	
40 05 19 00-2145	EA		6" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,375.13	511.37
			For Class 52 Rating, Deduct	-506.04	
			For Class 54 Rating, Add	699.35	
			For Class 55 Rating, Add	1,044.47	
			For Class 56 Rating, Add	1,384.99	
40 05 19 00-2146	EA		6" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,508.60	516.43
			For Class 52 Rating, Deduct	-519.87	
			For Class 54 Rating, Add	718.31	
			For Class 55 Rating, Add	1,072.71	
			For Class 56 Rating, Add	1,422.38	
40 05 19 00-2147	EA		6" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,642.08	521.49
			For Class 52 Rating, Deduct	-533.71	
			For Class 54 Rating, Add	737.27	
			For Class 55 Rating, Add	1,100.94	
			For Class 56 Rating, Add	1,459.76	
40 05 19 00-2148	EA		6" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,775.55	526.57
			For Class 52 Rating, Deduct	-547.55	
			For Class 54 Rating, Add	756.23	
			For Class 55 Rating, Add	1,129.18	
			For Class 56 Rating, Add	1,497.15	
40 05 19 00-2149	EA		6" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,909.03	531.63
			For Class 52 Rating, Deduct	-561.39	
			For Class 54 Rating, Add	775.20	
			For Class 55 Rating, Add	1,157.42	
			For Class 56 Rating, Add	1,534.54	
40 05 19 00-2150	EA		6" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,042.49	536.69
			For Class 52 Rating, Deduct	-575.23	
			For Class 54 Rating, Add	794.16	
			For Class 55 Rating, Add	1,185.66	
			For Class 56 Rating, Add	1,571.93	
40 05 19 00-2151	EA		6" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,175.97	541.75
			For Class 52 Rating, Deduct	-589.06	
			For Class 54 Rating, Add	813.12	
			For Class 55 Rating, Add	1,213.89	
			For Class 56 Rating, Add	1,609.31	
40 05 19 00-2152	EA		6" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,309.44	546.81
			For Class 52 Rating, Deduct	-602.90	
			For Class 54 Rating, Add	832.08	
			For Class 55 Rating, Add	1,242.13	
			For Class 56 Rating, Add	1,646.70	
40 05 19 00-2153	EA		6" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,442.90	551.88
			For Class 52 Rating, Deduct	-616.74	
			For Class 54 Rating, Add	851.04	
			For Class 55 Rating, Add	1,270.37	
			For Class 56 Rating, Add	1,684.09	
40 05 19 00-2154	EA		6" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,576.39	556.94
			For Class 52 Rating, Deduct	-630.58	
			For Class 54 Rating, Add	870.01	
			For Class 55 Rating, Add	1,298.61	
			For Class 56 Rating, Add	1,721.48	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2155			8" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2074)</small>		
40 05 19 00-2156	EA		8" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,081.00	465.80
			For Class 52 Rating, Deduct	-151.28	
			For Class 54 Rating, Add	214.76	
			For Class 55 Rating, Add	323.62	
			For Class 56 Rating, Add	431.10	
40 05 19 00-2157	EA		8" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,251.65	470.87
			For Class 52 Rating, Deduct	-169.20	
			For Class 54 Rating, Add	239.29	
			For Class 55 Rating, Add	360.14	
			For Class 56 Rating, Add	479.46	
40 05 19 00-2158	EA		8" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,422.28	475.93
			For Class 52 Rating, Deduct	-187.13	
			For Class 54 Rating, Add	263.83	
			For Class 55 Rating, Add	396.67	
			For Class 56 Rating, Add	527.81	
40 05 19 00-2159	EA		8" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,592.93	480.99
			For Class 52 Rating, Deduct	-205.06	
			For Class 54 Rating, Add	288.37	
			For Class 55 Rating, Add	433.20	
			For Class 56 Rating, Add	576.16	
40 05 19 00-2160	EA		8" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,763.57	486.06
			For Class 52 Rating, Deduct	-222.98	
			For Class 54 Rating, Add	312.91	
			For Class 55 Rating, Add	469.72	
			For Class 56 Rating, Add	624.51	
40 05 19 00-2161	EA		8" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,934.21	491.12
			For Class 52 Rating, Deduct	-240.91	
			For Class 54 Rating, Add	337.44	
			For Class 55 Rating, Add	506.25	
			For Class 56 Rating, Add	672.86	
40 05 19 00-2162	EA		8" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,104.85	496.18
			For Class 52 Rating, Deduct	-258.84	
			For Class 54 Rating, Add	361.98	
			For Class 55 Rating, Add	542.78	
			For Class 56 Rating, Add	721.22	
40 05 19 00-2163	EA		8" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,275.49	501.25
			For Class 52 Rating, Deduct	-276.76	
			For Class 54 Rating, Add	386.52	
			For Class 55 Rating, Add	579.30	
			For Class 56 Rating, Add	769.57	
40 05 19 00-2164	EA		8" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,446.14	506.31
			For Class 52 Rating, Deduct	-294.69	
			For Class 54 Rating, Add	411.06	
			For Class 55 Rating, Add	615.83	
			For Class 56 Rating, Add	817.92	
40 05 19 00-2165	EA		8" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,616.78	511.37
			For Class 52 Rating, Deduct	-312.62	
			For Class 54 Rating, Add	435.59	
			For Class 55 Rating, Add	652.35	
			For Class 56 Rating, Add	866.27	
40 05 19 00-2166	EA		8" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,787.41	516.43
			For Class 52 Rating, Deduct	-330.54	
			For Class 54 Rating, Add	460.13	
			For Class 55 Rating, Add	688.88	
			For Class 56 Rating, Add	914.63	
40 05 19 00-2167	EA		8" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,958.05	521.49
			For Class 52 Rating, Deduct	-348.47	
			For Class 54 Rating, Add	484.67	
			For Class 55 Rating, Add	725.41	
			For Class 56 Rating, Add	962.98	
40 05 19 00-2168	EA		8" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,128.69	526.57
			For Class 52 Rating, Deduct	-366.40	
			For Class 54 Rating, Add	509.20	
			For Class 55 Rating, Add	761.93	
			For Class 56 Rating, Add	1,011.33	
40 05 19 00-2169	EA		8" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,299.34	531.63
			For Class 52 Rating, Deduct	-384.32	
			For Class 54 Rating, Add	533.74	
			For Class 55 Rating, Add	798.46	
			For Class 56 Rating, Add	1,059.68	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2170	EA		8" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,469.97	536.69
			For Class 52 Rating, Deduct	-402.25	
			For Class 54 Rating, Add	558.28	
			For Class 55 Rating, Add	834.98	
			For Class 56 Rating, Add	1,108.03	
40 05 19 00-2171	EA		8" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,640.62	541.75
			For Class 52 Rating, Deduct	-420.18	
			For Class 54 Rating, Add	582.82	
			For Class 55 Rating, Add	871.51	
			For Class 56 Rating, Add	1,156.39	
40 05 19 00-2172	EA		8" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,811.26	546.81
			For Class 52 Rating, Deduct	-438.10	
			For Class 54 Rating, Add	607.35	
			For Class 55 Rating, Add	908.04	
			For Class 56 Rating, Add	1,204.74	
40 05 19 00-2173	EA		8" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,981.89	551.88
			For Class 52 Rating, Deduct	-456.03	
			For Class 54 Rating, Add	631.89	
			For Class 55 Rating, Add	944.56	
			For Class 56 Rating, Add	1,253.09	
40 05 19 00-2174	EA		8" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,152.54	556.94
			For Class 52 Rating, Deduct	-473.96	
			For Class 54 Rating, Add	656.43	
			For Class 55 Rating, Add	981.09	
			For Class 56 Rating, Add	1,301.44	
40 05 19 00-2175	EA		8" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,323.18	562.00
			For Class 52 Rating, Deduct	-491.88	
			For Class 54 Rating, Add	680.97	
			For Class 55 Rating, Add	1,017.62	
			For Class 56 Rating, Add	1,349.79	
40 05 19 00-2176	EA		8" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,493.83	567.07
			For Class 52 Rating, Deduct	-509.81	
			For Class 54 Rating, Add	705.50	
			For Class 55 Rating, Add	1,054.14	
			For Class 56 Rating, Add	1,398.15	
40 05 19 00-2177	EA		8" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,664.46	572.13
			For Class 52 Rating, Deduct	-527.74	
			For Class 54 Rating, Add	730.04	
			For Class 55 Rating, Add	1,090.67	
			For Class 56 Rating, Add	1,446.50	
40 05 19 00-2178	EA		8" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,835.10	577.19
			For Class 52 Rating, Deduct	-545.66	
			For Class 54 Rating, Add	754.58	
			For Class 55 Rating, Add	1,127.20	
			For Class 56 Rating, Add	1,494.85	
40 05 19 00-2179	EA		8" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,005.75	582.26
			For Class 52 Rating, Deduct	-563.59	
			For Class 54 Rating, Add	779.12	
			For Class 55 Rating, Add	1,163.72	
			For Class 56 Rating, Add	1,543.20	
40 05 19 00-2180	EA		8" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,176.39	587.32
			For Class 52 Rating, Deduct	-581.52	
			For Class 54 Rating, Add	803.66	
			For Class 55 Rating, Add	1,200.25	
			For Class 56 Rating, Add	1,591.56	
40 05 19 00-2181	EA		8" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,347.03	592.38
			For Class 52 Rating, Deduct	-599.44	
			For Class 54 Rating, Add	828.19	
			For Class 55 Rating, Add	1,236.78	
			For Class 56 Rating, Add	1,639.91	
40 05 19 00-2182	EA		8" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,517.67	597.44
			For Class 52 Rating, Deduct	-617.37	
			For Class 54 Rating, Add	852.73	
			For Class 55 Rating, Add	1,273.30	
			For Class 56 Rating, Add	1,688.26	
40 05 19 00-2183	EA		8" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,688.31	602.50
			For Class 52 Rating, Deduct	-635.30	
			For Class 54 Rating, Add	877.27	
			For Class 55 Rating, Add	1,309.83	
			For Class 56 Rating, Add	1,736.61	
40 05 19 00-2184	EA		8" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,858.95	607.58
			For Class 52 Rating, Deduct	-653.22	
			For Class 54 Rating, Add	901.81	
			For Class 55 Rating, Add	1,346.35	
			For Class 56 Rating, Add	1,784.97	



**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2185	EA		8" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,029.59	612.64
			<i>For Class 52 Rating, Deduct</i>	-671.15	
			<i>For Class 54 Rating, Add</i>	926.34	
			<i>For Class 55 Rating, Add</i>	1,382.88	
			<i>For Class 56 Rating, Add</i>	1,833.32	
40 05 19 00-2186	EA		8" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,200.24	617.70
			<i>For Class 52 Rating, Deduct</i>	-689.08	
			<i>For Class 54 Rating, Add</i>	950.88	
			<i>For Class 55 Rating, Add</i>	1,419.41	
			<i>For Class 56 Rating, Add</i>	1,881.67	
40 05 19 00-2187	EA		8" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,370.88	622.76
			<i>For Class 52 Rating, Deduct</i>	-707.00	
			<i>For Class 54 Rating, Add</i>	975.42	
			<i>For Class 55 Rating, Add</i>	1,455.93	
			<i>For Class 56 Rating, Add</i>	1,930.02	
40 05 19 00-2188	EA		8" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,541.51	627.82
			<i>For Class 52 Rating, Deduct</i>	-724.93	
			<i>For Class 54 Rating, Add</i>	999.96	
			<i>For Class 55 Rating, Add</i>	1,492.46	
			<i>For Class 56 Rating, Add</i>	1,978.37	
40 05 19 00-2189	EA		8" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,712.16	632.89
			<i>For Class 52 Rating, Deduct</i>	-742.86	
			<i>For Class 54 Rating, Add</i>	1,024.49	
			<i>For Class 55 Rating, Add</i>	1,528.99	
			<i>For Class 56 Rating, Add</i>	2,026.73	
40 05 19 00-2190	EA		8" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,882.80	637.95
			<i>For Class 52 Rating, Deduct</i>	-760.78	
			<i>For Class 54 Rating, Add</i>	1,049.03	
			<i>For Class 55 Rating, Add</i>	1,565.51	
			<i>For Class 56 Rating, Add</i>	2,075.08	
40 05 19 00-2191	EA		8" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,053.45	643.01
			<i>For Class 52 Rating, Deduct</i>	-778.71	
			<i>For Class 54 Rating, Add</i>	1,073.57	
			<i>For Class 55 Rating, Add</i>	1,602.04	
			<i>For Class 56 Rating, Add</i>	2,123.43	
40 05 19 00-2192	EA		8" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,224.08	648.07
			<i>For Class 52 Rating, Deduct</i>	-796.64	
			<i>For Class 54 Rating, Add</i>	1,098.11	
			<i>For Class 55 Rating, Add</i>	1,638.57	
			<i>For Class 56 Rating, Add</i>	2,171.78	
40 05 19 00-2193	EA		8" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,394.72	653.14
			<i>For Class 52 Rating, Deduct</i>	-814.56	
			<i>For Class 54 Rating, Add</i>	1,122.64	
			<i>For Class 55 Rating, Add</i>	1,675.09	
			<i>For Class 56 Rating, Add</i>	2,220.14	
40 05 19 00-2194	EA		8" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,565.37	658.20
			<i>For Class 52 Rating, Deduct</i>	-832.49	
			<i>For Class 54 Rating, Add</i>	1,147.18	
			<i>For Class 55 Rating, Add</i>	1,711.62	
			<i>For Class 56 Rating, Add</i>	2,268.49	
40 05 19 00-2195			<b>10" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-2074)</small>		
40 05 19 00-2196	EA		10" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,620.42	567.07
			<i>For Class 52 Rating, Deduct</i>	-193.73	
			<i>For Class 54 Rating, Add</i>	274.49	
			<i>For Class 55 Rating, Add</i>	413.37	
			<i>For Class 56 Rating, Add</i>	550.49	
40 05 19 00-2197	EA		10" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,839.65	572.13
			<i>For Class 52 Rating, Deduct</i>	-217.01	
			<i>For Class 54 Rating, Add</i>	306.32	
			<i>For Class 55 Rating, Add</i>	460.74	
			<i>For Class 56 Rating, Add</i>	613.18	
40 05 19 00-2198	EA		10" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,058.90	577.19
			<i>For Class 52 Rating, Deduct</i>	-240.28	
			<i>For Class 54 Rating, Add</i>	338.15	
			<i>For Class 55 Rating, Add</i>	508.10	
			<i>For Class 56 Rating, Add</i>	675.87	
40 05 19 00-2199	EA		10" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,278.15	582.26
			<i>For Class 52 Rating, Deduct</i>	-263.55	
			<i>For Class 54 Rating, Add</i>	369.98	
			<i>For Class 55 Rating, Add</i>	555.47	
			<i>For Class 56 Rating, Add</i>	738.56	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2200	EA		10" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,497.40	587.32
			For Class 52 Rating, Deduct	-286.83	
			For Class 54 Rating, Add	401.81	
			For Class 55 Rating, Add	602.83	
			For Class 56 Rating, Add	801.25	
40 05 19 00-2201	EA		10" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,716.64	592.38
			For Class 52 Rating, Deduct	-310.10	
			For Class 54 Rating, Add	433.63	
			For Class 55 Rating, Add	650.20	
			For Class 56 Rating, Add	863.94	
40 05 19 00-2202	EA		10" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,935.89	597.44
			For Class 52 Rating, Deduct	-333.37	
			For Class 54 Rating, Add	465.46	
			For Class 55 Rating, Add	697.56	
			For Class 56 Rating, Add	926.64	
40 05 19 00-2203	EA		10" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,155.13	602.50
			For Class 52 Rating, Deduct	-356.65	
			For Class 54 Rating, Add	497.29	
			For Class 55 Rating, Add	744.93	
			For Class 56 Rating, Add	989.32	
40 05 19 00-2204	EA		10" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,374.38	607.58
			For Class 52 Rating, Deduct	-379.92	
			For Class 54 Rating, Add	529.12	
			For Class 55 Rating, Add	792.30	
			For Class 56 Rating, Add	1,052.02	
40 05 19 00-2205	EA		10" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,593.62	612.64
			For Class 52 Rating, Deduct	-403.19	
			For Class 54 Rating, Add	560.95	
			For Class 55 Rating, Add	839.66	
			For Class 56 Rating, Add	1,114.71	
40 05 19 00-2206	EA		10" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,812.88	617.70
			For Class 52 Rating, Deduct	-426.47	
			For Class 54 Rating, Add	592.78	
			For Class 55 Rating, Add	887.03	
			For Class 56 Rating, Add	1,177.40	
40 05 19 00-2207	EA		10" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,032.12	622.76
			For Class 52 Rating, Deduct	-449.74	
			For Class 54 Rating, Add	624.60	
			For Class 55 Rating, Add	934.39	
			For Class 56 Rating, Add	1,240.09	
40 05 19 00-2208	EA		10" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,251.36	627.82
			For Class 52 Rating, Deduct	-473.01	
			For Class 54 Rating, Add	656.43	
			For Class 55 Rating, Add	981.76	
			For Class 56 Rating, Add	1,302.78	
40 05 19 00-2209	EA		10" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,470.61	632.89
			For Class 52 Rating, Deduct	-496.29	
			For Class 54 Rating, Add	688.26	
			For Class 55 Rating, Add	1,029.12	
			For Class 56 Rating, Add	1,365.47	
40 05 19 00-2210	EA		10" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,689.86	637.95
			For Class 52 Rating, Deduct	-519.56	
			For Class 54 Rating, Add	720.09	
			For Class 55 Rating, Add	1,076.49	
			For Class 56 Rating, Add	1,428.16	
40 05 19 00-2211	EA		10" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,909.11	643.01
			For Class 52 Rating, Deduct	-542.83	
			For Class 54 Rating, Add	751.92	
			For Class 55 Rating, Add	1,123.85	
			For Class 56 Rating, Add	1,490.85	
40 05 19 00-2212	EA		10" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,128.35	648.07
			For Class 52 Rating, Deduct	-566.11	
			For Class 54 Rating, Add	783.75	
			For Class 55 Rating, Add	1,171.22	
			For Class 56 Rating, Add	1,553.54	
40 05 19 00-2213	EA		10" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,347.59	653.14
			For Class 52 Rating, Deduct	-589.38	
			For Class 54 Rating, Add	815.57	
			For Class 55 Rating, Add	1,218.58	
			For Class 56 Rating, Add	1,616.23	
40 05 19 00-2214	EA		10" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,566.85	658.20
			For Class 52 Rating, Deduct	-612.65	
			For Class 54 Rating, Add	847.40	
			For Class 55 Rating, Add	1,265.95	
			For Class 56 Rating, Add	1,678.93	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2215	EA	10"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,786.08	663.27
			<i>For Class 52 Rating, Deduct</i> .....	-635.93	
			<i>For Class 54 Rating, Add</i> .....	879.23	
			<i>For Class 55 Rating, Add</i> .....	1,313.31	
			<i>For Class 56 Rating, Add</i> .....	1,741.61	
40 05 19 00-2216	EA	10"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,005.34	668.33
			<i>For Class 52 Rating, Deduct</i> .....	-659.20	
			<i>For Class 54 Rating, Add</i> .....	911.06	
			<i>For Class 55 Rating, Add</i> .....	1,360.68	
			<i>For Class 56 Rating, Add</i> .....	1,804.31	
40 05 19 00-2217	EA	10"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,224.58	673.39
			<i>For Class 52 Rating, Deduct</i> .....	-682.47	
			<i>For Class 54 Rating, Add</i> .....	942.89	
			<i>For Class 55 Rating, Add</i> .....	1,408.04	
			<i>For Class 56 Rating, Add</i> .....	1,867.00	
40 05 19 00-2218	EA	10"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,443.83	678.45
			<i>For Class 52 Rating, Deduct</i> .....	-705.75	
			<i>For Class 54 Rating, Add</i> .....	974.72	
			<i>For Class 55 Rating, Add</i> .....	1,455.41	
			<i>For Class 56 Rating, Add</i> .....	1,929.69	
40 05 19 00-2219	EA	10"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,663.07	683.51
			<i>For Class 52 Rating, Deduct</i> .....	-729.02	
			<i>For Class 54 Rating, Add</i> .....	1,006.54	
			<i>For Class 55 Rating, Add</i> .....	1,502.77	
			<i>For Class 56 Rating, Add</i> .....	1,992.38	
40 05 19 00-2220	EA	10"	Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,882.32	688.58
			<i>For Class 52 Rating, Deduct</i> .....	-752.29	
			<i>For Class 54 Rating, Add</i> .....	1,038.37	
			<i>For Class 55 Rating, Add</i> .....	1,550.14	
			<i>For Class 56 Rating, Add</i> .....	2,055.07	
40 05 19 00-2221	EA	10"	Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,101.57	693.65
			<i>For Class 52 Rating, Deduct</i> .....	-775.56	
			<i>For Class 54 Rating, Add</i> .....	1,070.20	
			<i>For Class 55 Rating, Add</i> .....	1,597.51	
			<i>For Class 56 Rating, Add</i> .....	2,117.76	
40 05 19 00-2222	EA	10"	Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,320.81	698.71
			<i>For Class 52 Rating, Deduct</i> .....	-798.84	
			<i>For Class 54 Rating, Add</i> .....	1,102.03	
			<i>For Class 55 Rating, Add</i> .....	1,644.87	
			<i>For Class 56 Rating, Add</i> .....	2,180.45	
40 05 19 00-2223	EA	10"	Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,540.06	703.77
			<i>For Class 52 Rating, Deduct</i> .....	-822.11	
			<i>For Class 54 Rating, Add</i> .....	1,133.86	
			<i>For Class 55 Rating, Add</i> .....	1,692.24	
			<i>For Class 56 Rating, Add</i> .....	2,243.14	
40 05 19 00-2224	EA	10"	Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,759.30	708.83
			<i>For Class 52 Rating, Deduct</i> .....	-845.38	
			<i>For Class 54 Rating, Add</i> .....	1,165.68	
			<i>For Class 55 Rating, Add</i> .....	1,739.60	
			<i>For Class 56 Rating, Add</i> .....	2,305.83	
40 05 19 00-2225	EA	10"	Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,978.55	713.90
			<i>For Class 52 Rating, Deduct</i> .....	-868.66	
			<i>For Class 54 Rating, Add</i> .....	1,197.51	
			<i>For Class 55 Rating, Add</i> .....	1,786.97	
			<i>For Class 56 Rating, Add</i> .....	2,368.52	
40 05 19 00-2226	EA	10"	Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,197.79	718.96
			<i>For Class 52 Rating, Deduct</i> .....	-891.93	
			<i>For Class 54 Rating, Add</i> .....	1,229.34	
			<i>For Class 55 Rating, Add</i> .....	1,834.33	
			<i>For Class 56 Rating, Add</i> .....	2,431.21	
40 05 19 00-2227	EA	10"	Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,417.04	724.02
			<i>For Class 52 Rating, Deduct</i> .....	-915.20	
			<i>For Class 54 Rating, Add</i> .....	1,261.17	
			<i>For Class 55 Rating, Add</i> .....	1,881.70	
			<i>For Class 56 Rating, Add</i> .....	2,493.90	
40 05 19 00-2228	EA	10"	Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,636.29	729.08
			<i>For Class 52 Rating, Deduct</i> .....	-938.48	
			<i>For Class 54 Rating, Add</i> .....	1,293.00	
			<i>For Class 55 Rating, Add</i> .....	1,929.06	
			<i>For Class 56 Rating, Add</i> .....	2,556.59	
40 05 19 00-2229	EA	10"	Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,855.54	734.15
			<i>For Class 52 Rating, Deduct</i> .....	-961.75	
			<i>For Class 54 Rating, Add</i> .....	1,324.83	
			<i>For Class 55 Rating, Add</i> .....	1,976.43	
			<i>For Class 56 Rating, Add</i> .....	2,619.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2230	EA		10" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,074.77	739.21
			<i>For Class 52 Rating, Deduct</i>	-985.02	
			<i>For Class 54 Rating, Add</i>	1,356.65	
			<i>For Class 55 Rating, Add</i>	2,023.79	
			<i>For Class 56 Rating, Add</i>	2,681.97	
40 05 19 00-2231	EA		10" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,294.03	744.28
			<i>For Class 52 Rating, Deduct</i>	-1,008.30	
			<i>For Class 54 Rating, Add</i>	1,388.48	
			<i>For Class 55 Rating, Add</i>	2,071.16	
			<i>For Class 56 Rating, Add</i>	2,744.67	
40 05 19 00-2232	EA		10" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,513.27	749.34
			<i>For Class 52 Rating, Deduct</i>	-1,031.57	
			<i>For Class 54 Rating, Add</i>	1,420.31	
			<i>For Class 55 Rating, Add</i>	2,118.52	
			<i>For Class 56 Rating, Add</i>	2,807.36	
40 05 19 00-2233	EA		10" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,732.53	754.40
			<i>For Class 52 Rating, Deduct</i>	-1,054.84	
			<i>For Class 54 Rating, Add</i>	1,452.14	
			<i>For Class 55 Rating, Add</i>	2,165.89	
			<i>For Class 56 Rating, Add</i>	2,870.05	
40 05 19 00-2234	EA		10" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,951.76	759.46
			<i>For Class 52 Rating, Deduct</i>	-1,078.12	
			<i>For Class 54 Rating, Add</i>	1,483.97	
			<i>For Class 55 Rating, Add</i>	2,213.25	
			<i>For Class 56 Rating, Add</i>	2,932.74	
<b>40 05 19 00-2235</b>			<b>12" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-2074)</small>		
40 05 19 00-2236	EA		12" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,418.47	708.83
			<i>For Class 52 Rating, Deduct</i>	-257.89	
			<i>For Class 54 Rating, Add</i>	364.56	
			<i>For Class 55 Rating, Add</i>	548.59	
			<i>For Class 56 Rating, Add</i>	730.29	
40 05 19 00-2237	EA		12" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,689.18	713.90
			<i>For Class 52 Rating, Deduct</i>	-286.83	
			<i>For Class 54 Rating, Add</i>	404.11	
			<i>For Class 55 Rating, Add</i>	607.44	
			<i>For Class 56 Rating, Add</i>	808.16	
40 05 19 00-2238	EA		12" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,959.89	718.96
			<i>For Class 52 Rating, Deduct</i>	-315.76	
			<i>For Class 54 Rating, Add</i>	443.66	
			<i>For Class 55 Rating, Add</i>	666.28	
			<i>For Class 56 Rating, Add</i>	886.03	
40 05 19 00-2239	EA		12" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,230.60	724.02
			<i>For Class 52 Rating, Deduct</i>	-344.70	
			<i>For Class 54 Rating, Add</i>	483.20	
			<i>For Class 55 Rating, Add</i>	725.12	
			<i>For Class 56 Rating, Add</i>	963.90	
40 05 19 00-2240	EA		12" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,501.31	729.08
			<i>For Class 52 Rating, Deduct</i>	-373.63	
			<i>For Class 54 Rating, Add</i>	522.75	
			<i>For Class 55 Rating, Add</i>	783.96	
			<i>For Class 56 Rating, Add</i>	1,041.77	
40 05 19 00-2241	EA		12" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,772.02	734.15
			<i>For Class 52 Rating, Deduct</i>	-402.56	
			<i>For Class 54 Rating, Add</i>	562.30	
			<i>For Class 55 Rating, Add</i>	842.80	
			<i>For Class 56 Rating, Add</i>	1,119.65	
40 05 19 00-2242	EA		12" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,042.72	739.21
			<i>For Class 52 Rating, Deduct</i>	-431.50	
			<i>For Class 54 Rating, Add</i>	601.85	
			<i>For Class 55 Rating, Add</i>	901.64	
			<i>For Class 56 Rating, Add</i>	1,197.52	
40 05 19 00-2243	EA		12" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,313.44	744.28
			<i>For Class 52 Rating, Deduct</i>	-460.43	
			<i>For Class 54 Rating, Add</i>	641.39	
			<i>For Class 55 Rating, Add</i>	960.49	
			<i>For Class 56 Rating, Add</i>	1,275.39	
40 05 19 00-2244	EA		12" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,584.15	749.34
			<i>For Class 52 Rating, Deduct</i>	-489.37	
			<i>For Class 54 Rating, Add</i>	680.94	
			<i>For Class 55 Rating, Add</i>	1,019.33	
			<i>For Class 56 Rating, Add</i>	1,353.27	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-2245	EA	12"	Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,854.87	754.40
			<i>For Class 52 Rating, Deduct</i>	-518.30	
			<i>For Class 54 Rating, Add</i>	720.49	
			<i>For Class 55 Rating, Add</i>	1,078.17	
			<i>For Class 56 Rating, Add</i>	1,431.14	
40 05 19 00-2246	EA	12"	Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,125.57	759.46
			<i>For Class 52 Rating, Deduct</i>	-547.24	
			<i>For Class 54 Rating, Add</i>	760.04	
			<i>For Class 55 Rating, Add</i>	1,137.01	
			<i>For Class 56 Rating, Add</i>	1,509.01	
40 05 19 00-2247	EA	12"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,396.28	764.52
			<i>For Class 52 Rating, Deduct</i>	-576.17	
			<i>For Class 54 Rating, Add</i>	799.59	
			<i>For Class 55 Rating, Add</i>	1,195.85	
			<i>For Class 56 Rating, Add</i>	1,586.88	
40 05 19 00-2248	EA	12"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,667.00	769.59
			<i>For Class 52 Rating, Deduct</i>	-605.10	
			<i>For Class 54 Rating, Add</i>	839.14	
			<i>For Class 55 Rating, Add</i>	1,254.70	
			<i>For Class 56 Rating, Add</i>	1,664.76	
40 05 19 00-2249	EA	12"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,937.71	774.66
			<i>For Class 52 Rating, Deduct</i>	-634.04	
			<i>For Class 54 Rating, Add</i>	878.68	
			<i>For Class 55 Rating, Add</i>	1,313.54	
			<i>For Class 56 Rating, Add</i>	1,742.63	
40 05 19 00-2250	EA	12"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,208.41	779.72
			<i>For Class 52 Rating, Deduct</i>	-662.97	
			<i>For Class 54 Rating, Add</i>	918.23	
			<i>For Class 55 Rating, Add</i>	1,372.38	
			<i>For Class 56 Rating, Add</i>	1,820.50	
40 05 19 00-2251	EA	12"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,479.12	784.78
			<i>For Class 52 Rating, Deduct</i>	-691.91	
			<i>For Class 54 Rating, Add</i>	957.78	
			<i>For Class 55 Rating, Add</i>	1,431.22	
			<i>For Class 56 Rating, Add</i>	1,898.37	
40 05 19 00-2252	EA	12"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,749.83	789.84
			<i>For Class 52 Rating, Deduct</i>	-720.84	
			<i>For Class 54 Rating, Add</i>	997.33	
			<i>For Class 55 Rating, Add</i>	1,490.06	
			<i>For Class 56 Rating, Add</i>	1,976.25	
40 05 19 00-2253	EA	12"	Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,020.54	794.91
			<i>For Class 52 Rating, Deduct</i>	-749.78	
			<i>For Class 54 Rating, Add</i>	1,036.87	
			<i>For Class 55 Rating, Add</i>	1,548.90	
			<i>For Class 56 Rating, Add</i>	2,054.12	
40 05 19 00-2254	EA	12"	Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,291.25	799.97
			<i>For Class 52 Rating, Deduct</i>	-778.71	
			<i>For Class 54 Rating, Add</i>	1,076.42	
			<i>For Class 55 Rating, Add</i>	1,607.75	
			<i>For Class 56 Rating, Add</i>	2,131.99	
40 05 19 00-2255	EA	12"	Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,561.97	805.03
			<i>For Class 52 Rating, Deduct</i>	-807.64	
			<i>For Class 54 Rating, Add</i>	1,115.97	
			<i>For Class 55 Rating, Add</i>	1,666.59	
			<i>For Class 56 Rating, Add</i>	2,209.87	
40 05 19 00-2256	EA	12"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,832.68	810.09
			<i>For Class 52 Rating, Deduct</i>	-836.58	
			<i>For Class 54 Rating, Add</i>	1,155.52	
			<i>For Class 55 Rating, Add</i>	1,725.43	
			<i>For Class 56 Rating, Add</i>	2,287.74	
40 05 19 00-2257	EA	12"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,103.38	815.15
			<i>For Class 52 Rating, Deduct</i>	-865.51	
			<i>For Class 54 Rating, Add</i>	1,195.07	
			<i>For Class 55 Rating, Add</i>	1,784.27	
			<i>For Class 56 Rating, Add</i>	2,365.61	
40 05 19 00-2258	EA	12"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,374.10	820.23
			<i>For Class 52 Rating, Deduct</i>	-894.45	
			<i>For Class 54 Rating, Add</i>	1,234.61	
			<i>For Class 55 Rating, Add</i>	1,843.12	
			<i>For Class 56 Rating, Add</i>	2,443.48	
40 05 19 00-2259	EA	12"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,644.81	825.29
			<i>For Class 52 Rating, Deduct</i>	-923.38	
			<i>For Class 54 Rating, Add</i>	1,274.16	
			<i>For Class 55 Rating, Add</i>	1,901.96	
			<i>For Class 56 Rating, Add</i>	2,521.36	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2260	EA		12" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,912.67	830.35
			For Class 52 Rating, Deduct	-952.00	
			For Class 54 Rating, Add	1,313.28	
			For Class 55 Rating, Add	1,960.16	
			For Class 56 Rating, Add	2,598.39	
40 05 19 00-2261	EA		12" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,186.22	835.41
			For Class 52 Rating, Deduct	-981.25	
			For Class 54 Rating, Add	1,353.26	
			For Class 55 Rating, Add	2,019.64	
			For Class 56 Rating, Add	2,677.10	
40 05 19 00-2262	EA		12" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,456.93	840.47
			For Class 52 Rating, Deduct	-1,010.18	
			For Class 54 Rating, Add	1,392.80	
			For Class 55 Rating, Add	2,078.48	
			For Class 56 Rating, Add	2,754.97	
40 05 19 00-2263	EA		12" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,727.65	845.53
			For Class 52 Rating, Deduct	-1,039.12	
			For Class 54 Rating, Add	1,432.35	
			For Class 55 Rating, Add	2,137.32	
			For Class 56 Rating, Add	2,832.85	
40 05 19 00-2264	EA		12" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,998.35	850.60
			For Class 52 Rating, Deduct	-1,068.05	
			For Class 54 Rating, Add	1,471.90	
			For Class 55 Rating, Add	2,196.16	
			For Class 56 Rating, Add	2,910.72	
40 05 19 00-2265	EA		12" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,269.07	855.66
			For Class 52 Rating, Deduct	-1,096.99	
			For Class 54 Rating, Add	1,511.45	
			For Class 55 Rating, Add	2,255.01	
			For Class 56 Rating, Add	2,988.59	
40 05 19 00-2266	EA		12" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,539.78	860.73
			For Class 52 Rating, Deduct	-1,125.92	
			For Class 54 Rating, Add	1,551.00	
			For Class 55 Rating, Add	2,313.85	
			For Class 56 Rating, Add	3,066.47	
40 05 19 00-2267	EA		12" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,810.50	865.79
			For Class 52 Rating, Deduct	-1,154.86	
			For Class 54 Rating, Add	1,590.55	
			For Class 55 Rating, Add	2,372.69	
			For Class 56 Rating, Add	3,144.34	
40 05 19 00-2268	EA		12" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,081.20	870.85
			For Class 52 Rating, Deduct	-1,183.79	
			For Class 54 Rating, Add	1,630.09	
			For Class 55 Rating, Add	2,431.53	
			For Class 56 Rating, Add	3,222.21	
40 05 19 00-2269	EA		12" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,351.91	875.92
			For Class 52 Rating, Deduct	-1,212.72	
			For Class 54 Rating, Add	1,669.64	
			For Class 55 Rating, Add	2,490.38	
			For Class 56 Rating, Add	3,300.08	
40 05 19 00-2270	EA		12" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,622.63	880.98
			For Class 52 Rating, Deduct	-1,241.66	
			For Class 54 Rating, Add	1,709.19	
			For Class 55 Rating, Add	2,549.22	
			For Class 56 Rating, Add	3,377.96	
40 05 19 00-2271	EA		12" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,893.33	886.04
			For Class 52 Rating, Deduct	-1,270.59	
			For Class 54 Rating, Add	1,748.74	
			For Class 55 Rating, Add	2,608.06	
			For Class 56 Rating, Add	3,455.83	
40 05 19 00-2272	EA		12" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,164.04	891.10
			For Class 52 Rating, Deduct	-1,299.53	
			For Class 54 Rating, Add	1,788.28	
			For Class 55 Rating, Add	2,666.90	
			For Class 56 Rating, Add	3,533.70	
40 05 19 00-2273	EA		12" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,434.75	896.16
			For Class 52 Rating, Deduct	-1,328.46	
			For Class 54 Rating, Add	1,827.83	
			For Class 55 Rating, Add	2,725.74	
			For Class 56 Rating, Add	3,611.57	
40 05 19 00-2274	EA		12" Flanged (FxF), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,705.46	901.24
			For Class 52 Rating, Deduct	-1,357.40	
			For Class 54 Rating, Add	1,867.38	
			For Class 55 Rating, Add	2,784.58	
			For Class 56 Rating, Add	3,689.45	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR		TOTAL DIRECT		DEMOLITION	
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST	
40 05 19 00-2275		14" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe			
	EA	14" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,551.04		850.60
		For Class 52 Rating, Deduct	-358.85		
		For Class 54 Rating, Add	504.80		
		For Class 55 Rating, Add	758.41		
		For Class 56 Rating, Add	1,008.76		
40 05 19 00-2277	EA	14" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,878.94		855.66
		For Class 52 Rating, Deduct	-394.07		
		For Class 54 Rating, Add	552.93		
		For Class 55 Rating, Add	830.01		
		For Class 56 Rating, Add	1,103.50		
40 05 19 00-2278	EA	14" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,206.83		860.73
		For Class 52 Rating, Deduct	-429.30		
		For Class 54 Rating, Add	601.05		
		For Class 55 Rating, Add	901.60		
		For Class 56 Rating, Add	1,198.25		
40 05 19 00-2279	EA	14" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,534.73		865.79
		For Class 52 Rating, Deduct	-464.52		
		For Class 54 Rating, Add	649.18		
		For Class 55 Rating, Add	973.19		
		For Class 56 Rating, Add	1,292.99		
40 05 19 00-2280	EA	14" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,862.61		870.85
		For Class 52 Rating, Deduct	-499.75		
		For Class 54 Rating, Add	697.30		
		For Class 55 Rating, Add	1,044.79		
		For Class 56 Rating, Add	1,387.73		
40 05 19 00-2281	EA	14" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,190.50		875.92
		For Class 52 Rating, Deduct	-534.97		
		For Class 54 Rating, Add	745.43		
		For Class 55 Rating, Add	1,116.38		
		For Class 56 Rating, Add	1,482.47		
40 05 19 00-2282	EA	14" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,518.40		880.98
		For Class 52 Rating, Deduct	-570.19		
		For Class 54 Rating, Add	793.55		
		For Class 55 Rating, Add	1,187.97		
		For Class 56 Rating, Add	1,577.21		
40 05 19 00-2283	EA	14" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,846.30		886.04
		For Class 52 Rating, Deduct	-605.42		
		For Class 54 Rating, Add	841.68		
		For Class 55 Rating, Add	1,259.57		
		For Class 56 Rating, Add	1,671.95		
40 05 19 00-2284	EA	14" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,174.19		891.10
		For Class 52 Rating, Deduct	-640.64		
		For Class 54 Rating, Add	889.81		
		For Class 55 Rating, Add	1,331.16		
		For Class 56 Rating, Add	1,766.69		
40 05 19 00-2285	EA	14" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,502.08		896.16
		For Class 52 Rating, Deduct	-675.87		
		For Class 54 Rating, Add	937.93		
		For Class 55 Rating, Add	1,402.76		
		For Class 56 Rating, Add	1,861.44		
40 05 19 00-2286	EA	14" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,829.97		901.24
		For Class 52 Rating, Deduct	-711.09		
		For Class 54 Rating, Add	986.06		
		For Class 55 Rating, Add	1,474.35		
		For Class 56 Rating, Add	1,956.18		
40 05 19 00-2287	EA	14" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,157.86		906.30
		For Class 52 Rating, Deduct	-746.32		
		For Class 54 Rating, Add	1,034.18		
		For Class 55 Rating, Add	1,545.94		
		For Class 56 Rating, Add	2,050.92		
40 05 19 00-2288	EA	14" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,485.75		911.36
		For Class 52 Rating, Deduct	-781.54		
		For Class 54 Rating, Add	1,082.31		
		For Class 55 Rating, Add	1,617.54		
		For Class 56 Rating, Add	2,145.66		
40 05 19 00-2289	EA	14" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,813.65		916.42
		For Class 52 Rating, Deduct	-816.76		
		For Class 54 Rating, Add	1,130.43		
		For Class 55 Rating, Add	1,689.13		
		For Class 56 Rating, Add	2,240.40		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2290	EA		14" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,141.55	921.48
			For Class 52 Rating, Deduct	-851.99	
			For Class 54 Rating, Add	1,178.56	
			For Class 55 Rating, Add	1,760.72	
			For Class 56 Rating, Add	2,335.14	
40 05 19 00-2291	EA		14" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,469.43	926.54
			For Class 52 Rating, Deduct	-887.21	
			For Class 54 Rating, Add	1,226.68	
			For Class 55 Rating, Add	1,832.32	
			For Class 56 Rating, Add	2,429.88	
40 05 19 00-2292	EA		14" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,797.33	931.61
			For Class 52 Rating, Deduct	-922.44	
			For Class 54 Rating, Add	1,274.81	
			For Class 55 Rating, Add	1,903.91	
			For Class 56 Rating, Add	2,524.63	
40 05 19 00-2293	EA		14" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,125.22	936.67
			For Class 52 Rating, Deduct	-957.66	
			For Class 54 Rating, Add	1,322.93	
			For Class 55 Rating, Add	1,975.50	
			For Class 56 Rating, Add	2,619.37	
40 05 19 00-2294	EA		14" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,453.12	941.73
			For Class 52 Rating, Deduct	-992.89	
			For Class 54 Rating, Add	1,371.06	
			For Class 55 Rating, Add	2,047.10	
			For Class 56 Rating, Add	2,714.11	
40 05 19 00-2295	EA		14" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,781.00	946.80
			For Class 52 Rating, Deduct	-1,028.11	
			For Class 54 Rating, Add	1,419.18	
			For Class 55 Rating, Add	2,118.69	
			For Class 56 Rating, Add	2,808.85	
40 05 19 00-2296	EA		14" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,108.89	951.86
			For Class 52 Rating, Deduct	-1,063.33	
			For Class 54 Rating, Add	1,467.31	
			For Class 55 Rating, Add	2,190.28	
			For Class 56 Rating, Add	2,903.59	
40 05 19 00-2297	EA		14" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,436.80	956.93
			For Class 52 Rating, Deduct	-1,098.56	
			For Class 54 Rating, Add	1,515.44	
			For Class 55 Rating, Add	2,261.88	
			For Class 56 Rating, Add	2,998.33	
40 05 19 00-2298	EA		14" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,764.68	961.99
			For Class 52 Rating, Deduct	-1,133.78	
			For Class 54 Rating, Add	1,563.56	
			For Class 55 Rating, Add	2,333.47	
			For Class 56 Rating, Add	3,093.08	
40 05 19 00-2299	EA		14" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,092.58	967.05
			For Class 52 Rating, Deduct	-1,169.01	
			For Class 54 Rating, Add	1,611.69	
			For Class 55 Rating, Add	2,405.06	
			For Class 56 Rating, Add	3,187.82	
40 05 19 00-2300	EA		14" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,420.47	972.11
			For Class 52 Rating, Deduct	-1,204.23	
			For Class 54 Rating, Add	1,659.81	
			For Class 55 Rating, Add	2,476.66	
			For Class 56 Rating, Add	3,282.56	
40 05 19 00-2301	EA		14" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,748.36	977.17
			For Class 52 Rating, Deduct	-1,239.46	
			For Class 54 Rating, Add	1,707.94	
			For Class 55 Rating, Add	2,548.25	
			For Class 56 Rating, Add	3,377.30	
40 05 19 00-2302	EA		14" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,076.25	982.24
			For Class 52 Rating, Deduct	-1,274.68	
			For Class 54 Rating, Add	1,756.06	
			For Class 55 Rating, Add	2,619.84	
			For Class 56 Rating, Add	3,472.04	
40 05 19 00-2303	EA		14" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,404.14	987.31
			For Class 52 Rating, Deduct	-1,309.91	
			For Class 54 Rating, Add	1,804.19	
			For Class 55 Rating, Add	2,691.44	
			For Class 56 Rating, Add	3,566.78	
40 05 19 00-2304	EA		14" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,732.05	992.37
			For Class 52 Rating, Deduct	-1,345.13	
			For Class 54 Rating, Add	1,852.31	
			For Class 55 Rating, Add	2,763.03	
			For Class 56 Rating, Add	3,661.52	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2305	EA	14" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	14,059.94	997.43
		<i>For Class 52 Rating, Deduct</i>	.....	-1,380.35	
		<i>For Class 54 Rating, Add</i>	.....	1,900.44	
		<i>For Class 55 Rating, Add</i>	.....	2,834.63	
		<i>For Class 56 Rating, Add</i>	.....	3,756.27	
40 05 19 00-2306	EA	14" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	14,387.82	1,002.49
		<i>For Class 52 Rating, Deduct</i>	.....	-1,415.58	
		<i>For Class 54 Rating, Add</i>	.....	1,948.56	
		<i>For Class 55 Rating, Add</i>	.....	2,906.22	
		<i>For Class 56 Rating, Add</i>	.....	3,851.01	
40 05 19 00-2307	EA	14" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	14,715.72	1,007.55
		<i>For Class 52 Rating, Deduct</i>	.....	-1,450.80	
		<i>For Class 54 Rating, Add</i>	.....	1,996.69	
		<i>For Class 55 Rating, Add</i>	.....	2,977.81	
		<i>For Class 56 Rating, Add</i>	.....	3,945.75	
40 05 19 00-2308	EA	14" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	15,043.61	1,012.62
		<i>For Class 52 Rating, Deduct</i>	.....	-1,486.03	
		<i>For Class 54 Rating, Add</i>	.....	2,044.81	
		<i>For Class 55 Rating, Add</i>	.....	3,049.41	
		<i>For Class 56 Rating, Add</i>	.....	4,040.49	
40 05 19 00-2309	EA	14" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	15,371.50	1,017.68
		<i>For Class 52 Rating, Deduct</i>	.....	-1,521.25	
		<i>For Class 54 Rating, Add</i>	.....	2,092.94	
		<i>For Class 55 Rating, Add</i>	.....	3,121.00	
		<i>For Class 56 Rating, Add</i>	.....	4,135.23	
40 05 19 00-2310	EA	14" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	15,699.39	1,022.74
		<i>For Class 52 Rating, Deduct</i>	.....	-1,556.48	
		<i>For Class 54 Rating, Add</i>	.....	2,141.06	
		<i>For Class 55 Rating, Add</i>	.....	3,192.59	
		<i>For Class 56 Rating, Add</i>	.....	4,229.97	
40 05 19 00-2311	EA	14" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	16,027.30	1,027.81
		<i>For Class 52 Rating, Deduct</i>	.....	-1,591.70	
		<i>For Class 54 Rating, Add</i>	.....	2,189.19	
		<i>For Class 55 Rating, Add</i>	.....	3,264.19	
		<i>For Class 56 Rating, Add</i>	.....	4,324.72	
40 05 19 00-2312	EA	14" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	16,355.19	1,032.87
		<i>For Class 52 Rating, Deduct</i>	.....	-1,626.93	
		<i>For Class 54 Rating, Add</i>	.....	2,237.31	
		<i>For Class 55 Rating, Add</i>	.....	3,335.78	
		<i>For Class 56 Rating, Add</i>	.....	4,419.46	
40 05 19 00-2313	EA	14" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	16,683.07	1,037.94
		<i>For Class 52 Rating, Deduct</i>	.....	-1,662.15	
		<i>For Class 54 Rating, Add</i>	.....	2,285.44	
		<i>For Class 55 Rating, Add</i>	.....	3,407.37	
		<i>For Class 56 Rating, Add</i>	.....	4,514.20	
<b>40 05 19 00-2314 16" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>					
<i>(40 05 19 00-2074)</i>					
40 05 19 00-2315	EA	16" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	5,332.71	972.11
		<i>For Class 52 Rating, Deduct</i>	.....	-424.58	
		<i>For Class 54 Rating, Add</i>	.....	596.65	
		<i>For Class 55 Rating, Add</i>	.....	896.09	
		<i>For Class 56 Rating, Add</i>	.....	1,191.67	
40 05 19 00-2316	EA	16" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	5,712.07	977.17
		<i>For Class 52 Rating, Deduct</i>	.....	-465.47	
		<i>For Class 54 Rating, Add</i>	.....	652.49	
		<i>For Class 55 Rating, Add</i>	.....	979.16	
		<i>For Class 56 Rating, Add</i>	.....	1,301.59	
40 05 19 00-2317	EA	16" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	6,091.42	982.24
		<i>For Class 52 Rating, Deduct</i>	.....	-506.35	
		<i>For Class 54 Rating, Add</i>	.....	708.34	
		<i>For Class 55 Rating, Add</i>	.....	1,062.23	
		<i>For Class 56 Rating, Add</i>	.....	1,411.51	
40 05 19 00-2318	EA	16" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	6,470.78	987.31
		<i>For Class 52 Rating, Deduct</i>	.....	-547.24	
		<i>For Class 54 Rating, Add</i>	.....	764.18	
		<i>For Class 55 Rating, Add</i>	.....	1,145.30	
		<i>For Class 56 Rating, Add</i>	.....	1,521.44	
40 05 19 00-2319	EA	16" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	6,850.14	992.37
		<i>For Class 52 Rating, Deduct</i>	.....	-588.12	
		<i>For Class 54 Rating, Add</i>	.....	820.03	
		<i>For Class 55 Rating, Add</i>	.....	1,228.37	
		<i>For Class 56 Rating, Add</i>	.....	1,631.36	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2320	EA		16" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,229.50	997.43
			For Class 52 Rating, Deduct	-629.01	
			For Class 54 Rating, Add	875.87	
			For Class 55 Rating, Add	1,311.44	
			For Class 56 Rating, Add	1,741.29	
40 05 19 00-2321	EA		16" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,608.85	1,002.49
			For Class 52 Rating, Deduct	-669.89	
			For Class 54 Rating, Add	931.72	
			For Class 55 Rating, Add	1,394.51	
			For Class 56 Rating, Add	1,851.21	
40 05 19 00-2322	EA		16" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,988.21	1,007.55
			For Class 52 Rating, Deduct	-710.78	
			For Class 54 Rating, Add	987.56	
			For Class 55 Rating, Add	1,477.58	
			For Class 56 Rating, Add	1,961.13	
40 05 19 00-2323	EA		16" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,367.57	1,012.62
			For Class 52 Rating, Deduct	-751.66	
			For Class 54 Rating, Add	1,043.41	
			For Class 55 Rating, Add	1,560.65	
			For Class 56 Rating, Add	2,071.06	
40 05 19 00-2324	EA		16" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,746.92	1,017.68
			For Class 52 Rating, Deduct	-792.55	
			For Class 54 Rating, Add	1,099.25	
			For Class 55 Rating, Add	1,643.72	
			For Class 56 Rating, Add	2,180.98	
40 05 19 00-2325	EA		16" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,126.28	1,022.74
			For Class 52 Rating, Deduct	-833.43	
			For Class 54 Rating, Add	1,155.10	
			For Class 55 Rating, Add	1,726.79	
			For Class 56 Rating, Add	2,290.90	
40 05 19 00-2326	EA		16" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,505.64	1,027.81
			For Class 52 Rating, Deduct	-874.32	
			For Class 54 Rating, Add	1,210.94	
			For Class 55 Rating, Add	1,809.86	
			For Class 56 Rating, Add	2,400.83	
40 05 19 00-2327	EA		16" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,885.00	1,032.87
			For Class 52 Rating, Deduct	-915.20	
			For Class 54 Rating, Add	1,266.79	
			For Class 55 Rating, Add	1,892.93	
			For Class 56 Rating, Add	2,510.75	
40 05 19 00-2328	EA		16" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,264.34	1,037.94
			For Class 52 Rating, Deduct	-956.09	
			For Class 54 Rating, Add	1,322.63	
			For Class 55 Rating, Add	1,976.00	
			For Class 56 Rating, Add	2,620.67	
40 05 19 00-2329	EA		16" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,643.71	1,043.00
			For Class 52 Rating, Deduct	-996.98	
			For Class 54 Rating, Add	1,378.48	
			For Class 55 Rating, Add	2,059.07	
			For Class 56 Rating, Add	2,730.60	
40 05 19 00-2330	EA		16" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,023.07	1,048.06
			For Class 52 Rating, Deduct	-1,037.86	
			For Class 54 Rating, Add	1,434.32	
			For Class 55 Rating, Add	2,142.14	
			For Class 56 Rating, Add	2,840.52	
40 05 19 00-2331	EA		16" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,402.43	1,053.12
			For Class 52 Rating, Deduct	-1,078.75	
			For Class 54 Rating, Add	1,490.16	
			For Class 55 Rating, Add	2,225.21	
			For Class 56 Rating, Add	2,950.44	
40 05 19 00-2332	EA		16" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,781.78	1,058.18
			For Class 52 Rating, Deduct	-1,119.63	
			For Class 54 Rating, Add	1,546.01	
			For Class 55 Rating, Add	2,308.28	
			For Class 56 Rating, Add	3,060.37	
40 05 19 00-2333	EA		16" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,161.13	1,063.25
			For Class 52 Rating, Deduct	-1,160.52	
			For Class 54 Rating, Add	1,601.85	
			For Class 55 Rating, Add	2,391.35	
			For Class 56 Rating, Add	3,170.29	
40 05 19 00-2334	EA		16" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,540.50	1,068.32
			For Class 52 Rating, Deduct	-1,201.40	
			For Class 54 Rating, Add	1,657.70	
			For Class 55 Rating, Add	2,474.42	
			For Class 56 Rating, Add	3,280.21	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2335	EA	16"	Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,919.84	1,073.38
			<i>For Class 52 Rating, Deduct</i> .....	-1,242.29	
			<i>For Class 54 Rating, Add</i> .....	1,713.54	
			<i>For Class 55 Rating, Add</i> .....	2,557.49	
			<i>For Class 56 Rating, Add</i> .....	3,390.14	
40 05 19 00-2336	EA	16"	Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,299.21	1,078.44
			<i>For Class 52 Rating, Deduct</i> .....	-1,283.17	
			<i>For Class 54 Rating, Add</i> .....	1,769.39	
			<i>For Class 55 Rating, Add</i> .....	2,640.56	
			<i>For Class 56 Rating, Add</i> .....	3,500.06	
40 05 19 00-2337	EA	16"	Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,678.57	1,083.50
			<i>For Class 52 Rating, Deduct</i> .....	-1,324.06	
			<i>For Class 54 Rating, Add</i> .....	1,825.24	
			<i>For Class 55 Rating, Add</i> .....	2,723.63	
			<i>For Class 56 Rating, Add</i> .....	3,609.99	
40 05 19 00-2338	EA	16"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,057.92	1,088.56
			<i>For Class 52 Rating, Deduct</i> .....	-1,364.94	
			<i>For Class 54 Rating, Add</i> .....	1,881.08	
			<i>For Class 55 Rating, Add</i> .....	2,806.70	
			<i>For Class 56 Rating, Add</i> .....	3,719.91	
40 05 19 00-2339	EA	16"	Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,437.28	1,093.63
			<i>For Class 52 Rating, Deduct</i> .....	-1,405.83	
			<i>For Class 54 Rating, Add</i> .....	1,936.92	
			<i>For Class 55 Rating, Add</i> .....	2,889.77	
			<i>For Class 56 Rating, Add</i> .....	3,829.83	
40 05 19 00-2340	EA	16"	Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,816.63	1,098.69
			<i>For Class 52 Rating, Deduct</i> .....	-1,446.71	
			<i>For Class 54 Rating, Add</i> .....	1,992.77	
			<i>For Class 55 Rating, Add</i> .....	2,972.84	
			<i>For Class 56 Rating, Add</i> .....	3,939.75	
40 05 19 00-2341	EA	16"	Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,196.00	1,103.75
			<i>For Class 52 Rating, Deduct</i> .....	-1,487.60	
			<i>For Class 54 Rating, Add</i> .....	2,048.61	
			<i>For Class 55 Rating, Add</i> .....	3,055.91	
			<i>For Class 56 Rating, Add</i> .....	4,049.68	
40 05 19 00-2342	EA	16"	Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,575.35	1,108.82
			<i>For Class 52 Rating, Deduct</i> .....	-1,528.49	
			<i>For Class 54 Rating, Add</i> .....	2,104.46	
			<i>For Class 55 Rating, Add</i> .....	3,138.98	
			<i>For Class 56 Rating, Add</i> .....	4,159.60	
40 05 19 00-2343	EA	16"	Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,954.70	1,113.88
			<i>For Class 52 Rating, Deduct</i> .....	-1,569.37	
			<i>For Class 54 Rating, Add</i> .....	2,160.30	
			<i>For Class 55 Rating, Add</i> .....	3,222.05	
			<i>For Class 56 Rating, Add</i> .....	4,269.52	
40 05 19 00-2344	EA	16"	Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	16,334.06	1,118.95
			<i>For Class 52 Rating, Deduct</i> .....	-1,610.26	
			<i>For Class 54 Rating, Add</i> .....	2,216.15	
			<i>For Class 55 Rating, Add</i> .....	3,305.12	
			<i>For Class 56 Rating, Add</i> .....	4,379.45	
40 05 19 00-2345	EA	16"	Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	16,713.42	1,124.01
			<i>For Class 52 Rating, Deduct</i> .....	-1,651.14	
			<i>For Class 54 Rating, Add</i> .....	2,271.99	
			<i>For Class 55 Rating, Add</i> .....	3,388.19	
			<i>For Class 56 Rating, Add</i> .....	4,489.37	
40 05 19 00-2346	EA	16"	Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,092.79	1,129.07
			<i>For Class 52 Rating, Deduct</i> .....	-1,692.03	
			<i>For Class 54 Rating, Add</i> .....	2,327.84	
			<i>For Class 55 Rating, Add</i> .....	3,471.26	
			<i>For Class 56 Rating, Add</i> .....	4,599.30	
40 05 19 00-2347	EA	16"	Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,472.13	1,134.13
			<i>For Class 52 Rating, Deduct</i> .....	-1,732.91	
			<i>For Class 54 Rating, Add</i> .....	2,383.68	
			<i>For Class 55 Rating, Add</i> .....	3,554.33	
			<i>For Class 56 Rating, Add</i> .....	4,709.22	
40 05 19 00-2348	EA	16"	Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,851.49	1,139.19
			<i>For Class 52 Rating, Deduct</i> .....	-1,773.80	
			<i>For Class 54 Rating, Add</i> .....	2,439.53	
			<i>For Class 55 Rating, Add</i> .....	3,637.40	
			<i>For Class 56 Rating, Add</i> .....	4,819.14	
40 05 19 00-2349	EA	16"	Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	18,230.85	1,144.26
			<i>For Class 52 Rating, Deduct</i> .....	-1,814.68	
			<i>For Class 54 Rating, Add</i> .....	2,495.37	
			<i>For Class 55 Rating, Add</i> .....	3,720.47	
			<i>For Class 56 Rating, Add</i> .....	4,929.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2350	EA		16" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,610.20	1,149.32
			<i>For Class 52 Rating, Deduct</i>	-1,855.57	
			<i>For Class 54 Rating, Add</i>	2,551.22	
			<i>For Class 55 Rating, Add</i>	3,803.54	
			<i>For Class 56 Rating, Add</i>	5,038.99	
40 05 19 00-2351	EA		16" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,989.56	1,154.39
			<i>For Class 52 Rating, Deduct</i>	-1,896.45	
			<i>For Class 54 Rating, Add</i>	2,607.06	
			<i>For Class 55 Rating, Add</i>	3,886.61	
			<i>For Class 56 Rating, Add</i>	5,148.91	
40 05 19 00-2352	EA		16" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,368.92	1,159.45
			<i>For Class 52 Rating, Deduct</i>	-1,937.34	
			<i>For Class 54 Rating, Add</i>	2,662.91	
			<i>For Class 55 Rating, Add</i>	3,969.68	
			<i>For Class 56 Rating, Add</i>	5,258.84	
<b>40 05 19 00-2353</b>			<b>18" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
			<small>(40 05 19 00-2074)</small>		
40 05 19 00-2354	EA		18" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,206.08	1,095.65
			<i>For Class 52 Rating, Deduct</i>	-500.06	
			<i>For Class 54 Rating, Add</i>	701.82	
			<i>For Class 55 Rating, Add</i>	1,053.60	
			<i>For Class 56 Rating, Add</i>	1,400.83	
40 05 19 00-2355	EA		18" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,642.62	1,100.71
			<i>For Class 52 Rating, Deduct</i>	-547.24	
			<i>For Class 54 Rating, Add</i>	766.24	
			<i>For Class 55 Rating, Add</i>	1,149.42	
			<i>For Class 56 Rating, Add</i>	1,527.63	
40 05 19 00-2356	EA		18" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,079.17	1,105.78
			<i>For Class 52 Rating, Deduct</i>	-594.41	
			<i>For Class 54 Rating, Add</i>	830.67	
			<i>For Class 55 Rating, Add</i>	1,245.24	
			<i>For Class 56 Rating, Add</i>	1,654.42	
40 05 19 00-2357	EA		18" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,515.69	1,110.85
			<i>For Class 52 Rating, Deduct</i>	-641.59	
			<i>For Class 54 Rating, Add</i>	895.09	
			<i>For Class 55 Rating, Add</i>	1,341.06	
			<i>For Class 56 Rating, Add</i>	1,781.21	
40 05 19 00-2358	EA		18" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,952.23	1,115.91
			<i>For Class 52 Rating, Deduct</i>	-688.76	
			<i>For Class 54 Rating, Add</i>	959.51	
			<i>For Class 55 Rating, Add</i>	1,436.89	
			<i>For Class 56 Rating, Add</i>	1,908.00	
40 05 19 00-2359	EA		18" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,388.78	1,120.97
			<i>For Class 52 Rating, Deduct</i>	-735.94	
			<i>For Class 54 Rating, Add</i>	1,023.93	
			<i>For Class 55 Rating, Add</i>	1,532.71	
			<i>For Class 56 Rating, Add</i>	2,034.79	
40 05 19 00-2360	EA		18" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,825.32	1,126.03
			<i>For Class 52 Rating, Deduct</i>	-783.11	
			<i>For Class 54 Rating, Add</i>	1,088.35	
			<i>For Class 55 Rating, Add</i>	1,628.53	
			<i>For Class 56 Rating, Add</i>	2,161.59	
40 05 19 00-2361	EA		18" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,261.86	1,131.09
			<i>For Class 52 Rating, Deduct</i>	-830.29	
			<i>For Class 54 Rating, Add</i>	1,152.78	
			<i>For Class 55 Rating, Add</i>	1,724.35	
			<i>For Class 56 Rating, Add</i>	2,288.38	
40 05 19 00-2362	EA		18" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,698.39	1,136.16
			<i>For Class 52 Rating, Deduct</i>	-877.46	
			<i>For Class 54 Rating, Add</i>	1,217.20	
			<i>For Class 55 Rating, Add</i>	1,820.17	
			<i>For Class 56 Rating, Add</i>	2,415.17	
40 05 19 00-2363	EA		18" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,134.93	1,141.22
			<i>For Class 52 Rating, Deduct</i>	-924.64	
			<i>For Class 54 Rating, Add</i>	1,281.62	
			<i>For Class 55 Rating, Add</i>	1,915.99	
			<i>For Class 56 Rating, Add</i>	2,541.96	
40 05 19 00-2364	EA		18" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,571.48	1,146.28
			<i>For Class 52 Rating, Deduct</i>	-971.81	
			<i>For Class 54 Rating, Add</i>	1,346.04	
			<i>For Class 55 Rating, Add</i>	2,011.82	
			<i>For Class 56 Rating, Add</i>	2,668.76	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2365	EA		18" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,008.01	1,151.35
			For Class 52 Rating, Deduct .....	-1,018.99	
			For Class 54 Rating, Add .....	1,410.47	
			For Class 55 Rating, Add .....	2,107.64	
			For Class 56 Rating, Add .....	2,795.55	
40 05 19 00-2366	EA		18" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,444.56	1,156.41
			For Class 52 Rating, Deduct .....	-1,066.17	
			For Class 54 Rating, Add .....	1,474.89	
			For Class 55 Rating, Add .....	2,203.46	
			For Class 56 Rating, Add .....	2,922.34	
40 05 19 00-2367	EA		18" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,881.09	1,161.48
			For Class 52 Rating, Deduct .....	-1,113.34	
			For Class 54 Rating, Add .....	1,539.31	
			For Class 55 Rating, Add .....	2,299.28	
			For Class 56 Rating, Add .....	3,049.13	
40 05 19 00-2368	EA		18" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,317.63	1,166.54
			For Class 52 Rating, Deduct .....	-1,160.52	
			For Class 54 Rating, Add .....	1,603.73	
			For Class 55 Rating, Add .....	2,395.10	
			For Class 56 Rating, Add .....	3,175.92	
40 05 19 00-2369	EA		18" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,754.17	1,171.60
			For Class 52 Rating, Deduct .....	-1,207.69	
			For Class 54 Rating, Add .....	1,668.15	
			For Class 55 Rating, Add .....	2,490.93	
			For Class 56 Rating, Add .....	3,302.72	
40 05 19 00-2370	EA		18" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,190.71	1,176.66
			For Class 52 Rating, Deduct .....	-1,254.87	
			For Class 54 Rating, Add .....	1,732.58	
			For Class 55 Rating, Add .....	2,586.75	
			For Class 56 Rating, Add .....	3,429.51	
40 05 19 00-2371	EA		18" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,627.26	1,181.72
			For Class 52 Rating, Deduct .....	-1,302.04	
			For Class 54 Rating, Add .....	1,797.00	
			For Class 55 Rating, Add .....	2,682.57	
			For Class 56 Rating, Add .....	3,556.30	
40 05 19 00-2372	EA		18" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,063.78	1,186.79
			For Class 52 Rating, Deduct .....	-1,349.22	
			For Class 54 Rating, Add .....	1,861.42	
			For Class 55 Rating, Add .....	2,778.39	
			For Class 56 Rating, Add .....	3,683.09	
40 05 19 00-2373	EA		18" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,500.32	1,191.85
			For Class 52 Rating, Deduct .....	-1,396.39	
			For Class 54 Rating, Add .....	1,925.84	
			For Class 55 Rating, Add .....	2,874.21	
			For Class 56 Rating, Add .....	3,809.88	
40 05 19 00-2374	EA		18" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,936.87	1,196.92
			For Class 52 Rating, Deduct .....	-1,443.57	
			For Class 54 Rating, Add .....	1,990.27	
			For Class 55 Rating, Add .....	2,970.03	
			For Class 56 Rating, Add .....	3,936.68	
40 05 19 00-2375	EA		18" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,373.41	1,201.98
			For Class 52 Rating, Deduct .....	-1,490.75	
			For Class 54 Rating, Add .....	2,054.69	
			For Class 55 Rating, Add .....	3,065.86	
			For Class 56 Rating, Add .....	4,063.47	
40 05 19 00-2376	EA		18" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,809.95	1,207.04
			For Class 52 Rating, Deduct .....	-1,537.92	
			For Class 54 Rating, Add .....	2,119.11	
			For Class 55 Rating, Add .....	3,161.68	
			For Class 56 Rating, Add .....	4,190.26	
40 05 19 00-2377	EA		18" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	16,246.48	1,212.10
			For Class 52 Rating, Deduct .....	-1,585.10	
			For Class 54 Rating, Add .....	2,183.53	
			For Class 55 Rating, Add .....	3,257.50	
			For Class 56 Rating, Add .....	4,317.05	
40 05 19 00-2378	EA		18" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	16,683.03	1,217.17
			For Class 52 Rating, Deduct .....	-1,632.27	
			For Class 54 Rating, Add .....	2,247.95	
			For Class 55 Rating, Add .....	3,353.32	
			For Class 56 Rating, Add .....	4,443.85	
40 05 19 00-2379	EA		18" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,119.57	1,222.23
			For Class 52 Rating, Deduct .....	-1,679.45	
			For Class 54 Rating, Add .....	2,312.38	
			For Class 55 Rating, Add .....	3,449.14	
			For Class 56 Rating, Add .....	4,570.64	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2380	EA		18" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,556.10	1,227.29
			For Class 52 Rating, Deduct	-1,726.62	
			For Class 54 Rating, Add	2,376.80	
			For Class 55 Rating, Add	3,544.96	
			For Class 56 Rating, Add	4,697.43	
40 05 19 00-2381	EA		18" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,992.65	1,232.35
			For Class 52 Rating, Deduct	-1,773.80	
			For Class 54 Rating, Add	2,441.22	
			For Class 55 Rating, Add	3,640.79	
			For Class 56 Rating, Add	4,824.22	
40 05 19 00-2382	EA		18" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,429.18	1,237.42
			For Class 52 Rating, Deduct	-1,820.97	
			For Class 54 Rating, Add	2,505.64	
			For Class 55 Rating, Add	3,736.61	
			For Class 56 Rating, Add	4,951.01	
40 05 19 00-2383	EA		18" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,865.72	1,242.49
			For Class 52 Rating, Deduct	-1,868.15	
			For Class 54 Rating, Add	2,570.07	
			For Class 55 Rating, Add	3,832.43	
			For Class 56 Rating, Add	5,077.81	
40 05 19 00-2384	EA		18" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,302.26	1,247.55
			For Class 52 Rating, Deduct	-1,915.32	
			For Class 54 Rating, Add	2,634.49	
			For Class 55 Rating, Add	3,928.25	
			For Class 56 Rating, Add	5,204.60	
40 05 19 00-2385	EA		18" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,738.80	1,252.61
			For Class 52 Rating, Deduct	-1,962.50	
			For Class 54 Rating, Add	2,698.91	
			For Class 55 Rating, Add	4,024.07	
			For Class 56 Rating, Add	5,331.39	
40 05 19 00-2386	EA		18" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,175.35	1,257.67
			For Class 52 Rating, Deduct	-2,009.68	
			For Class 54 Rating, Add	2,763.33	
			For Class 55 Rating, Add	4,119.89	
			For Class 56 Rating, Add	5,458.19	
40 05 19 00-2387	EA		18" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,611.87	1,262.73
			For Class 52 Rating, Deduct	-2,056.85	
			For Class 54 Rating, Add	2,827.75	
			For Class 55 Rating, Add	4,215.71	
			For Class 56 Rating, Add	5,584.98	
40 05 19 00-2388	EA		18" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,048.42	1,267.80
			For Class 52 Rating, Deduct	-2,104.03	
			For Class 54 Rating, Add	2,892.18	
			For Class 55 Rating, Add	4,311.54	
			For Class 56 Rating, Add	5,711.77	
40 05 19 00-2389	EA		18" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,484.96	1,272.86
			For Class 52 Rating, Deduct	-2,151.20	
			For Class 54 Rating, Add	2,956.60	
			For Class 55 Rating, Add	4,407.36	
			For Class 56 Rating, Add	5,838.56	
40 05 19 00-2390	EA		18" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,921.50	1,277.93
			For Class 52 Rating, Deduct	-2,198.38	
			For Class 54 Rating, Add	3,021.02	
			For Class 55 Rating, Add	4,503.18	
			For Class 56 Rating, Add	5,965.35	
40 05 19 00-2391	EA		18" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,358.04	1,282.99
			For Class 52 Rating, Deduct	-2,245.55	
			For Class 54 Rating, Add	3,085.45	
			For Class 55 Rating, Add	4,599.00	
			For Class 56 Rating, Add	6,092.15	
40 05 19 00-2392			<b>20" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2074)</small>		
40 05 19 00-2393	EA		20" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,255.67	1,250.59
			For Class 52 Rating, Deduct	-589.69	
			For Class 54 Rating, Add	826.87	
			For Class 55 Rating, Add	1,240.95	
			For Class 56 Rating, Add	1,649.66	
40 05 19 00-2394	EA		20" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,752.26	1,255.65
			For Class 52 Rating, Deduct	-643.47	
			For Class 54 Rating, Add	900.29	
			For Class 55 Rating, Add	1,350.16	
			For Class 56 Rating, Add	1,794.17	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2395	EA	20"	Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,248.83	1,260.71
			<i>For Class 52 Rating, Deduct</i>	-697.25	
			<i>For Class 54 Rating, Add</i>	973.72	
			<i>For Class 55 Rating, Add</i>	1,459.37	
			<i>For Class 56 Rating, Add</i>	1,938.67	
40 05 19 00-2396	EA	20"	Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,745.42	1,265.77
			<i>For Class 52 Rating, Deduct</i>	-751.03	
			<i>For Class 54 Rating, Add</i>	1,047.15	
			<i>For Class 55 Rating, Add</i>	1,568.58	
			<i>For Class 56 Rating, Add</i>	2,083.18	
40 05 19 00-2397	EA	20"	Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,242.00	1,270.83
			<i>For Class 52 Rating, Deduct</i>	-804.81	
			<i>For Class 54 Rating, Add</i>	1,120.58	
			<i>For Class 55 Rating, Add</i>	1,677.79	
			<i>For Class 56 Rating, Add</i>	2,227.68	
40 05 19 00-2398	EA	20"	Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,738.58	1,275.89
			<i>For Class 52 Rating, Deduct</i>	-858.59	
			<i>For Class 54 Rating, Add</i>	1,194.01	
			<i>For Class 55 Rating, Add</i>	1,787.00	
			<i>For Class 56 Rating, Add</i>	2,372.19	
40 05 19 00-2399	EA	20"	Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,235.16	1,280.97
			<i>For Class 52 Rating, Deduct</i>	-912.37	
			<i>For Class 54 Rating, Add</i>	1,267.44	
			<i>For Class 55 Rating, Add</i>	1,896.21	
			<i>For Class 56 Rating, Add</i>	2,516.69	
40 05 19 00-2400	EA	20"	Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,731.74	1,286.03
			<i>For Class 52 Rating, Deduct</i>	-966.15	
			<i>For Class 54 Rating, Add</i>	1,340.87	
			<i>For Class 55 Rating, Add</i>	2,005.42	
			<i>For Class 56 Rating, Add</i>	2,661.20	
40 05 19 00-2401	EA	20"	Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,228.33	1,291.09
			<i>For Class 52 Rating, Deduct</i>	-1,019.93	
			<i>For Class 54 Rating, Add</i>	1,414.29	
			<i>For Class 55 Rating, Add</i>	2,114.63	
			<i>For Class 56 Rating, Add</i>	2,805.70	
40 05 19 00-2402	EA	20"	Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,724.91	1,296.15
			<i>For Class 52 Rating, Deduct</i>	-1,073.71	
			<i>For Class 54 Rating, Add</i>	1,487.72	
			<i>For Class 55 Rating, Add</i>	2,223.84	
			<i>For Class 56 Rating, Add</i>	2,950.21	
40 05 19 00-2403	EA	20"	Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,221.48	1,301.21
			<i>For Class 52 Rating, Deduct</i>	-1,127.49	
			<i>For Class 54 Rating, Add</i>	1,561.15	
			<i>For Class 55 Rating, Add</i>	2,333.06	
			<i>For Class 56 Rating, Add</i>	3,094.71	
40 05 19 00-2404	EA	20"	Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,718.06	1,306.28
			<i>For Class 52 Rating, Deduct</i>	-1,181.27	
			<i>For Class 54 Rating, Add</i>	1,634.58	
			<i>For Class 55 Rating, Add</i>	2,442.26	
			<i>For Class 56 Rating, Add</i>	3,239.21	
40 05 19 00-2405	EA	20"	Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,214.64	1,311.34
			<i>For Class 52 Rating, Deduct</i>	-1,235.05	
			<i>For Class 54 Rating, Add</i>	1,708.01	
			<i>For Class 55 Rating, Add</i>	2,551.48	
			<i>For Class 56 Rating, Add</i>	3,383.72	
40 05 19 00-2406	EA	20"	Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,711.22	1,316.40
			<i>For Class 52 Rating, Deduct</i>	-1,288.83	
			<i>For Class 54 Rating, Add</i>	1,781.44	
			<i>For Class 55 Rating, Add</i>	2,660.69	
			<i>For Class 56 Rating, Add</i>	3,528.22	
40 05 19 00-2407	EA	20"	Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,207.80	1,321.47
			<i>For Class 52 Rating, Deduct</i>	-1,342.61	
			<i>For Class 54 Rating, Add</i>	1,854.86	
			<i>For Class 55 Rating, Add</i>	2,769.90	
			<i>For Class 56 Rating, Add</i>	3,672.73	
40 05 19 00-2408	EA	20"	Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,704.39	1,326.53
			<i>For Class 52 Rating, Deduct</i>	-1,396.39	
			<i>For Class 54 Rating, Add</i>	1,928.29	
			<i>For Class 55 Rating, Add</i>	2,879.11	
			<i>For Class 56 Rating, Add</i>	3,817.23	
40 05 19 00-2409	EA	20"	Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,200.97	1,331.60
			<i>For Class 52 Rating, Deduct</i>	-1,450.17	
			<i>For Class 54 Rating, Add</i>	2,001.72	
			<i>For Class 55 Rating, Add</i>	2,988.32	
			<i>For Class 56 Rating, Add</i>	3,961.74	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2410	EA		20" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,697.54	1,336.66
			For Class 52 Rating, Deduct	-1,503.95	
			For Class 54 Rating, Add	2,075.15	
			For Class 55 Rating, Add	3,097.53	
			For Class 56 Rating, Add	4,106.24	
40 05 19 00-2411	EA		20" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,194.13	1,341.72
			For Class 52 Rating, Deduct	-1,557.73	
			For Class 54 Rating, Add	2,148.58	
			For Class 55 Rating, Add	3,206.74	
			For Class 56 Rating, Add	4,250.74	
40 05 19 00-2412	EA		20" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,690.71	1,346.78
			For Class 52 Rating, Deduct	-1,611.51	
			For Class 54 Rating, Add	2,222.01	
			For Class 55 Rating, Add	3,315.95	
			For Class 56 Rating, Add	4,395.25	
40 05 19 00-2413	EA		20" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,187.30	1,351.84
			For Class 52 Rating, Deduct	-1,665.29	
			For Class 54 Rating, Add	2,295.44	
			For Class 55 Rating, Add	3,425.16	
			For Class 56 Rating, Add	4,539.75	
40 05 19 00-2414	EA		20" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,683.87	1,356.90
			For Class 52 Rating, Deduct	-1,719.07	
			For Class 54 Rating, Add	2,368.86	
			For Class 55 Rating, Add	3,534.37	
			For Class 56 Rating, Add	4,684.26	
40 05 19 00-2415	EA		20" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,180.45	1,361.98
			For Class 52 Rating, Deduct	-1,772.85	
			For Class 54 Rating, Add	2,442.29	
			For Class 55 Rating, Add	3,643.59	
			For Class 56 Rating, Add	4,828.76	
40 05 19 00-2416	EA		20" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,677.04	1,367.04
			For Class 52 Rating, Deduct	-1,826.63	
			For Class 54 Rating, Add	2,515.72	
			For Class 55 Rating, Add	3,752.80	
			For Class 56 Rating, Add	4,973.27	
40 05 19 00-2417	EA		20" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,173.62	1,372.10
			For Class 52 Rating, Deduct	-1,880.41	
			For Class 54 Rating, Add	2,589.15	
			For Class 55 Rating, Add	3,862.01	
			For Class 56 Rating, Add	5,117.77	
40 05 19 00-2418	EA		20" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,670.20	1,377.16
			For Class 52 Rating, Deduct	-1,934.19	
			For Class 54 Rating, Add	2,662.58	
			For Class 55 Rating, Add	3,971.22	
			For Class 56 Rating, Add	5,262.28	
40 05 19 00-2419	EA		20" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,166.78	1,382.22
			For Class 52 Rating, Deduct	-1,987.98	
			For Class 54 Rating, Add	2,736.01	
			For Class 55 Rating, Add	4,080.43	
			For Class 56 Rating, Add	5,406.78	
40 05 19 00-2420	EA		20" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,663.36	1,387.29
			For Class 52 Rating, Deduct	-2,041.76	
			For Class 54 Rating, Add	2,809.43	
			For Class 55 Rating, Add	4,189.64	
			For Class 56 Rating, Add	5,551.29	
40 05 19 00-2421	EA		20" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,159.94	1,392.35
			For Class 52 Rating, Deduct	-2,095.54	
			For Class 54 Rating, Add	2,882.86	
			For Class 55 Rating, Add	4,298.85	
			For Class 56 Rating, Add	5,695.79	
40 05 19 00-2422	EA		20" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,656.52	1,397.41
			For Class 52 Rating, Deduct	-2,149.32	
			For Class 54 Rating, Add	2,956.29	
			For Class 55 Rating, Add	4,408.06	
			For Class 56 Rating, Add	5,840.30	
40 05 19 00-2423	EA		20" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,153.11	1,402.48
			For Class 52 Rating, Deduct	-2,203.10	
			For Class 54 Rating, Add	3,029.72	
			For Class 55 Rating, Add	4,517.27	
			For Class 56 Rating, Add	5,984.80	
40 05 19 00-2424	EA		20" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,649.69	1,407.54
			For Class 52 Rating, Deduct	-2,256.88	
			For Class 54 Rating, Add	3,103.15	
			For Class 55 Rating, Add	4,626.49	
			For Class 56 Rating, Add	6,129.30	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-2425	EA	20" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	23,146.25	1,412.61
		<i>For Class 52 Rating, Deduct</i> .....	-2,310.65	
		<i>For Class 54 Rating, Add</i> .....	3,176.58	
		<i>For Class 55 Rating, Add</i> .....	4,735.69	
		<i>For Class 56 Rating, Add</i> .....	6,273.81	
40 05 19 00-2426	EA	20" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	23,642.84	1,417.67
		<i>For Class 52 Rating, Deduct</i> .....	-2,364.43	
		<i>For Class 54 Rating, Add</i> .....	3,250.00	
		<i>For Class 55 Rating, Add</i> .....	4,844.91	
		<i>For Class 56 Rating, Add</i> .....	6,418.31	
40 05 19 00-2427	EA	20" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	24,139.42	1,422.73
		<i>For Class 52 Rating, Deduct</i> .....	-2,418.21	
		<i>For Class 54 Rating, Add</i> .....	3,323.43	
		<i>For Class 55 Rating, Add</i> .....	4,954.12	
		<i>For Class 56 Rating, Add</i> .....	6,562.82	
40 05 19 00-2428	EA	20" Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	24,636.01	1,427.79
		<i>For Class 52 Rating, Deduct</i> .....	-2,471.99	
		<i>For Class 54 Rating, Add</i> .....	3,396.86	
		<i>For Class 55 Rating, Add</i> .....	5,063.33	
		<i>For Class 56 Rating, Add</i> .....	6,707.32	
40 05 19 00-2429	EA	20" Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	25,132.58	1,432.85
		<i>For Class 52 Rating, Deduct</i> .....	-2,525.77	
		<i>For Class 54 Rating, Add</i> .....	3,470.29	
		<i>For Class 55 Rating, Add</i> .....	5,172.54	
		<i>For Class 56 Rating, Add</i> .....	6,851.82	
40 05 19 00-2430	EA	20" Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	25,629.16	1,437.91
		<i>For Class 52 Rating, Deduct</i> .....	-2,579.56	
		<i>For Class 54 Rating, Add</i> .....	3,543.72	
		<i>For Class 55 Rating, Add</i> .....	5,281.75	
		<i>For Class 56 Rating, Add</i> .....	6,996.33	

40 05 19 00-2431 24" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)

40 05 19 00-2432	EA	24" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,930.38	1,478.42
		<i>For Class 52 Rating, Deduct</i> .....	-735.94	
		<i>For Class 54 Rating, Add</i> .....	1,030.43	
		<i>For Class 55 Rating, Add</i> .....	1,545.71	
		<i>For Class 56 Rating, Add</i> .....	2,054.29	
40 05 19 00-2433	EA	24" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,544.18	1,483.48
		<i>For Class 52 Rating, Deduct</i> .....	-802.61	
		<i>For Class 54 Rating, Add</i> .....	1,121.44	
		<i>For Class 55 Rating, Add</i> .....	1,681.06	
		<i>For Class 56 Rating, Add</i> .....	2,233.38	
40 05 19 00-2434	EA	24" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,157.99	1,488.55
		<i>For Class 52 Rating, Deduct</i> .....	-869.29	
		<i>For Class 54 Rating, Add</i> .....	1,212.46	
		<i>For Class 55 Rating, Add</i> .....	1,816.41	
		<i>For Class 56 Rating, Add</i> .....	2,412.46	
40 05 19 00-2435	EA	24" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,771.79	1,493.62
		<i>For Class 52 Rating, Deduct</i> .....	-935.96	
		<i>For Class 54 Rating, Add</i> .....	1,303.47	
		<i>For Class 55 Rating, Add</i> .....	1,951.76	
		<i>For Class 56 Rating, Add</i> .....	2,591.55	
40 05 19 00-2436	EA	24" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,385.59	1,498.68
		<i>For Class 52 Rating, Deduct</i> .....	-1,002.64	
		<i>For Class 54 Rating, Add</i> .....	1,394.48	
		<i>For Class 55 Rating, Add</i> .....	2,087.11	
		<i>For Class 56 Rating, Add</i> .....	2,770.63	
40 05 19 00-2437	EA	24" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,999.40	1,503.74
		<i>For Class 52 Rating, Deduct</i> .....	-1,069.31	
		<i>For Class 54 Rating, Add</i> .....	1,485.49	
		<i>For Class 55 Rating, Add</i> .....	2,222.47	
		<i>For Class 56 Rating, Add</i> .....	2,949.72	
40 05 19 00-2438	EA	24" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,613.20	1,508.80
		<i>For Class 52 Rating, Deduct</i> .....	-1,135.99	
		<i>For Class 54 Rating, Add</i> .....	1,576.50	
		<i>For Class 55 Rating, Add</i> .....	2,357.82	
		<i>For Class 56 Rating, Add</i> .....	3,128.80	
40 05 19 00-2439	EA	24" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,227.01	1,513.86
		<i>For Class 52 Rating, Deduct</i> .....	-1,202.66	
		<i>For Class 54 Rating, Add</i> .....	1,667.52	
		<i>For Class 55 Rating, Add</i> .....	2,493.17	
		<i>For Class 56 Rating, Add</i> .....	3,307.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2440	EA		24" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,840.82	1,518.92
			For Class 52 Rating, Deduct	-1,269.34	
			For Class 54 Rating, Add	1,758.53	
			For Class 55 Rating, Add	2,628.52	
			For Class 56 Rating, Add	3,486.98	
40 05 19 00-2441	EA		24" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,454.61	1,523.99
			For Class 52 Rating, Deduct	-1,336.01	
			For Class 54 Rating, Add	1,849.54	
			For Class 55 Rating, Add	2,763.87	
			For Class 56 Rating, Add	3,666.06	
40 05 19 00-2442	EA		24" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,068.43	1,529.06
			For Class 52 Rating, Deduct	-1,402.68	
			For Class 54 Rating, Add	1,940.55	
			For Class 55 Rating, Add	2,899.23	
			For Class 56 Rating, Add	3,845.15	
40 05 19 00-2443	EA		24" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,682.23	1,534.12
			For Class 52 Rating, Deduct	-1,469.36	
			For Class 54 Rating, Add	2,031.56	
			For Class 55 Rating, Add	3,034.58	
			For Class 56 Rating, Add	4,024.23	
40 05 19 00-2444	EA		24" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,296.04	1,539.18
			For Class 52 Rating, Deduct	-1,536.03	
			For Class 54 Rating, Add	2,122.58	
			For Class 55 Rating, Add	3,169.93	
			For Class 56 Rating, Add	4,203.32	
40 05 19 00-2445	EA		24" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,909.84	1,544.24
			For Class 52 Rating, Deduct	-1,602.71	
			For Class 54 Rating, Add	2,213.59	
			For Class 55 Rating, Add	3,305.28	
			For Class 56 Rating, Add	4,382.40	
40 05 19 00-2446	EA		24" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,523.64	1,549.31
			For Class 52 Rating, Deduct	-1,669.38	
			For Class 54 Rating, Add	2,304.60	
			For Class 55 Rating, Add	3,440.63	
			For Class 56 Rating, Add	4,561.49	
40 05 19 00-2447	EA		24" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,137.45	1,554.37
			For Class 52 Rating, Deduct	-1,736.06	
			For Class 54 Rating, Add	2,395.61	
			For Class 55 Rating, Add	3,575.98	
			For Class 56 Rating, Add	4,740.57	
40 05 19 00-2448	EA		24" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,751.25	1,559.43
			For Class 52 Rating, Deduct	-1,802.73	
			For Class 54 Rating, Add	2,486.63	
			For Class 55 Rating, Add	3,711.34	
			For Class 56 Rating, Add	4,919.66	
40 05 19 00-2449	EA		24" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,365.06	1,564.49
			For Class 52 Rating, Deduct	-1,869.41	
			For Class 54 Rating, Add	2,577.64	
			For Class 55 Rating, Add	3,846.69	
			For Class 56 Rating, Add	5,098.75	
40 05 19 00-2450	EA		24" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,978.86	1,569.56
			For Class 52 Rating, Deduct	-1,936.08	
			For Class 54 Rating, Add	2,668.65	
			For Class 55 Rating, Add	3,982.04	
			For Class 56 Rating, Add	5,277.83	
40 05 19 00-2451	EA		24" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,592.67	1,574.63
			For Class 52 Rating, Deduct	-2,002.76	
			For Class 54 Rating, Add	2,759.66	
			For Class 55 Rating, Add	4,117.39	
			For Class 56 Rating, Add	5,456.92	
40 05 19 00-2452	EA		24" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,206.47	1,579.69
			For Class 52 Rating, Deduct	-2,069.43	
			For Class 54 Rating, Add	2,850.67	
			For Class 55 Rating, Add	4,252.74	
			For Class 56 Rating, Add	5,636.00	
40 05 19 00-2453	EA		24" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,820.27	1,584.75
			For Class 52 Rating, Deduct	-2,136.11	
			For Class 54 Rating, Add	2,941.68	
			For Class 55 Rating, Add	4,388.10	
			For Class 56 Rating, Add	5,815.09	
40 05 19 00-2454	EA		24" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,434.09	1,589.81
			For Class 52 Rating, Deduct	-2,202.78	
			For Class 54 Rating, Add	3,032.70	
			For Class 55 Rating, Add	4,523.45	
			For Class 56 Rating, Add	5,994.17	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2455	EA	24"	Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,047.89	1,594.87
			<i>For Class 52 Rating, Deduct</i>	-2,269.46	
			<i>For Class 54 Rating, Add</i>	3,123.71	
			<i>For Class 55 Rating, Add</i>	4,658.80	
			<i>For Class 56 Rating, Add</i>	6,173.26	
40 05 19 00-2456	EA	24"	Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,661.68	1,599.94
			<i>For Class 52 Rating, Deduct</i>	-2,336.13	
			<i>For Class 54 Rating, Add</i>	3,214.72	
			<i>For Class 55 Rating, Add</i>	4,794.15	
			<i>For Class 56 Rating, Add</i>	6,352.34	
40 05 19 00-2457	EA	24"	Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,275.50	1,605.00
			<i>For Class 52 Rating, Deduct</i>	-2,402.80	
			<i>For Class 54 Rating, Add</i>	3,305.73	
			<i>For Class 55 Rating, Add</i>	4,929.50	
			<i>For Class 56 Rating, Add</i>	6,531.43	
40 05 19 00-2458	EA	24"	Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,889.30	1,610.06
			<i>For Class 52 Rating, Deduct</i>	-2,469.48	
			<i>For Class 54 Rating, Add</i>	3,396.75	
			<i>For Class 55 Rating, Add</i>	5,064.86	
			<i>For Class 56 Rating, Add</i>	6,710.52	
40 05 19 00-2459	EA	24"	Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,503.10	1,615.13
			<i>For Class 52 Rating, Deduct</i>	-2,536.15	
			<i>For Class 54 Rating, Add</i>	3,487.76	
			<i>For Class 55 Rating, Add</i>	5,200.21	
			<i>For Class 56 Rating, Add</i>	6,889.60	
40 05 19 00-2460	EA	24"	Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,116.91	1,620.19
			<i>For Class 52 Rating, Deduct</i>	-2,602.83	
			<i>For Class 54 Rating, Add</i>	3,578.77	
			<i>For Class 55 Rating, Add</i>	5,335.56	
			<i>For Class 56 Rating, Add</i>	7,068.69	
40 05 19 00-2461	EA	24"	Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,861.12	1,711.33
			<i>For Class 52 Rating, Deduct</i>	-2,669.50	
			<i>For Class 54 Rating, Add</i>	3,671.35	
			<i>For Class 55 Rating, Add</i>	5,474.04	
			<i>For Class 56 Rating, Add</i>	7,252.47	
40 05 19 00-2462	EA	24"	Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,474.93	1,716.39
			<i>For Class 52 Rating, Deduct</i>	-2,736.18	
			<i>For Class 54 Rating, Add</i>	3,762.36	
			<i>For Class 55 Rating, Add</i>	5,609.39	
			<i>For Class 56 Rating, Add</i>	7,431.55	
40 05 19 00-2463	EA	24"	Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,088.74	1,721.45
			<i>For Class 52 Rating, Deduct</i>	-2,802.85	
			<i>For Class 54 Rating, Add</i>	3,853.37	
			<i>For Class 55 Rating, Add</i>	5,744.75	
			<i>For Class 56 Rating, Add</i>	7,610.64	
40 05 19 00-2464	EA	24"	Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,702.55	1,726.51
			<i>For Class 52 Rating, Deduct</i>	-2,869.53	
			<i>For Class 54 Rating, Add</i>	3,944.38	
			<i>For Class 55 Rating, Add</i>	5,880.10	
			<i>For Class 56 Rating, Add</i>	7,789.72	
40 05 19 00-2465	EA	24"	Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,316.34	1,731.57
			<i>For Class 52 Rating, Deduct</i>	-2,936.20	
			<i>For Class 54 Rating, Add</i>	4,035.39	
			<i>For Class 55 Rating, Add</i>	6,015.45	
			<i>For Class 56 Rating, Add</i>	7,968.81	
40 05 19 00-2466	EA	24"	Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,930.15	1,736.64
			<i>For Class 52 Rating, Deduct</i>	-3,002.88	
			<i>For Class 54 Rating, Add</i>	4,126.41	
			<i>For Class 55 Rating, Add</i>	6,150.80	
			<i>For Class 56 Rating, Add</i>	8,147.90	
40 05 19 00-2467	EA	24"	Flanged (FxF), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,543.96	1,741.71
			<i>For Class 52 Rating, Deduct</i>	-3,069.55	
			<i>For Class 54 Rating, Add</i>	4,217.42	
			<i>For Class 55 Rating, Add</i>	6,286.15	
			<i>For Class 56 Rating, Add</i>	8,326.98	
40 05 19 00-2468	EA	24"	Flanged (FxF), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,157.75	1,746.77
			<i>For Class 52 Rating, Deduct</i>	-3,136.23	
			<i>For Class 54 Rating, Add</i>	4,308.43	
			<i>For Class 55 Rating, Add</i>	6,421.50	
			<i>For Class 56 Rating, Add</i>	8,506.06	
40 05 19 00-2469	EA	24"	Flanged (FxF), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,771.57	1,751.83
			<i>For Class 52 Rating, Deduct</i>	-3,202.90	
			<i>For Class 54 Rating, Add</i>	4,399.44	
			<i>For Class 55 Rating, Add</i>	6,556.86	
			<i>For Class 56 Rating, Add</i>	8,685.15	

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-2470		30" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe		
	EA	30" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,750.77	2,086.00
		For Class 52 Rating, Deduct	-1,164.92	
		For Class 54 Rating, Add	1,626.45	
		For Class 55 Rating, Add	2,437.46	
		For Class 56 Rating, Add	3,237.88	
40 05 19 00-2472	EA	30" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,627.62	2,091.06
		For Class 52 Rating, Deduct	-1,260.53	
		For Class 54 Rating, Add	1,756.92	
		For Class 55 Rating, Add	2,631.47	
		For Class 56 Rating, Add	3,494.57	
40 05 19 00-2473	EA	30" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,504.47	2,096.12
		For Class 52 Rating, Deduct	-1,356.14	
		For Class 54 Rating, Add	1,887.39	
		For Class 55 Rating, Add	2,825.48	
		For Class 56 Rating, Add	3,751.25	
40 05 19 00-2474	EA	30" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,381.31	2,101.18
		For Class 52 Rating, Deduct	-1,451.75	
		For Class 54 Rating, Add	2,017.86	
		For Class 55 Rating, Add	3,019.49	
		For Class 56 Rating, Add	4,007.93	
40 05 19 00-2475	EA	30" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,258.15	2,106.24
		For Class 52 Rating, Deduct	-1,547.36	
		For Class 54 Rating, Add	2,148.33	
		For Class 55 Rating, Add	3,213.50	
		For Class 56 Rating, Add	4,264.61	
40 05 19 00-2476	EA	30" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,135.00	2,111.31
		For Class 52 Rating, Deduct	-1,642.96	
		For Class 54 Rating, Add	2,278.79	
		For Class 55 Rating, Add	3,407.51	
		For Class 56 Rating, Add	4,521.29	
40 05 19 00-2477	EA	30" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,011.85	2,116.38
		For Class 52 Rating, Deduct	-1,738.57	
		For Class 54 Rating, Add	2,409.26	
		For Class 55 Rating, Add	3,601.52	
		For Class 56 Rating, Add	4,777.98	
40 05 19 00-2478	EA	30" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,888.68	2,121.44
		For Class 52 Rating, Deduct	-1,834.18	
		For Class 54 Rating, Add	2,539.73	
		For Class 55 Rating, Add	3,795.53	
		For Class 56 Rating, Add	5,034.66	
40 05 19 00-2479	EA	30" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,765.53	2,126.50
		For Class 52 Rating, Deduct	-1,929.79	
		For Class 54 Rating, Add	2,670.20	
		For Class 55 Rating, Add	3,989.54	
		For Class 56 Rating, Add	5,291.34	
40 05 19 00-2480	EA	30" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,642.37	2,131.56
		For Class 52 Rating, Deduct	-2,025.40	
		For Class 54 Rating, Add	2,800.67	
		For Class 55 Rating, Add	4,183.55	
		For Class 56 Rating, Add	5,548.02	
40 05 19 00-2481	EA	30" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,519.23	2,136.62
		For Class 52 Rating, Deduct	-2,121.01	
		For Class 54 Rating, Add	2,931.13	
		For Class 55 Rating, Add	4,377.56	
		For Class 56 Rating, Add	5,804.71	
40 05 19 00-2482	EA	30" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,396.06	2,141.69
		For Class 52 Rating, Deduct	-2,216.62	
		For Class 54 Rating, Add	3,061.60	
		For Class 55 Rating, Add	4,571.57	
		For Class 56 Rating, Add	6,061.39	
40 05 19 00-2483	EA	30" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,272.90	2,146.75
		For Class 52 Rating, Deduct	-2,312.23	
		For Class 54 Rating, Add	3,192.07	
		For Class 55 Rating, Add	4,765.58	
		For Class 56 Rating, Add	6,318.07	
40 05 19 00-2484	EA	30" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,149.75	2,151.81
		For Class 52 Rating, Deduct	-2,407.84	
		For Class 54 Rating, Add	3,322.54	
		For Class 55 Rating, Add	4,959.59	
		For Class 56 Rating, Add	6,574.75	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2485	EA		30" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	26,026.59	2,156.88
			For Class 52 Rating, Deduct .....	-2,503.45	
			For Class 54 Rating, Add .....	3,453.01	
			For Class 55 Rating, Add .....	5,153.60	
			For Class 56 Rating, Add .....	6,831.43	
40 05 19 00-2486	EA		30" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	26,903.44	2,161.94
			For Class 52 Rating, Deduct .....	-2,599.05	
			For Class 54 Rating, Add .....	3,583.47	
			For Class 55 Rating, Add .....	5,347.61	
			For Class 56 Rating, Add .....	7,088.12	
40 05 19 00-2487	EA		30" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	27,780.28	2,167.01
			For Class 52 Rating, Deduct .....	-2,694.66	
			For Class 54 Rating, Add .....	3,713.94	
			For Class 55 Rating, Add .....	5,541.62	
			For Class 56 Rating, Add .....	7,344.80	
40 05 19 00-2488	EA		30" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	28,657.12	2,172.07
			For Class 52 Rating, Deduct .....	-2,790.27	
			For Class 54 Rating, Add .....	3,844.41	
			For Class 55 Rating, Add .....	5,735.63	
			For Class 56 Rating, Add .....	7,601.48	
40 05 19 00-2489	EA		30" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	29,533.97	2,177.13
			For Class 52 Rating, Deduct .....	-2,885.88	
			For Class 54 Rating, Add .....	3,974.88	
			For Class 55 Rating, Add .....	5,929.64	
			For Class 56 Rating, Add .....	7,858.16	
40 05 19 00-2490	EA		30" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	30,410.81	2,182.19
			For Class 52 Rating, Deduct .....	-2,981.49	
			For Class 54 Rating, Add .....	4,105.35	
			For Class 55 Rating, Add .....	6,123.65	
			For Class 56 Rating, Add .....	8,114.84	
40 05 19 00-2491	EA		30" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	31,287.66	2,187.25
			For Class 52 Rating, Deduct .....	-3,077.10	
			For Class 54 Rating, Add .....	4,235.81	
			For Class 55 Rating, Add .....	6,317.66	
			For Class 56 Rating, Add .....	8,371.53	
40 05 19 00-2492	EA		30" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	32,164.50	2,192.32
			For Class 52 Rating, Deduct .....	-3,172.71	
			For Class 54 Rating, Add .....	4,366.28	
			For Class 55 Rating, Add .....	6,511.67	
			For Class 56 Rating, Add .....	8,628.21	
40 05 19 00-2493	EA		30" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	33,041.34	2,197.39
			For Class 52 Rating, Deduct .....	-3,268.32	
			For Class 54 Rating, Add .....	4,496.75	
			For Class 55 Rating, Add .....	6,705.68	
			For Class 56 Rating, Add .....	8,884.89	
40 05 19 00-2494	EA		30" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	33,918.19	2,202.45
			For Class 52 Rating, Deduct .....	-3,363.93	
			For Class 54 Rating, Add .....	4,627.22	
			For Class 55 Rating, Add .....	6,899.69	
			For Class 56 Rating, Add .....	9,141.57	
40 05 19 00-2495	EA		30" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	34,795.03	2,207.51
			For Class 52 Rating, Deduct .....	-3,459.54	
			For Class 54 Rating, Add .....	4,757.68	
			For Class 55 Rating, Add .....	7,093.69	
			For Class 56 Rating, Add .....	9,398.25	
40 05 19 00-2496	EA		30" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	35,671.87	2,212.57
			For Class 52 Rating, Deduct .....	-3,555.14	
			For Class 54 Rating, Add .....	4,888.15	
			For Class 55 Rating, Add .....	7,287.70	
			For Class 56 Rating, Add .....	9,654.94	
40 05 19 00-2497	EA		30" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	36,548.71	2,217.63
			For Class 52 Rating, Deduct .....	-3,650.75	
			For Class 54 Rating, Add .....	5,018.62	
			For Class 55 Rating, Add .....	7,481.71	
			For Class 56 Rating, Add .....	9,911.62	
40 05 19 00-2498	EA		30" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	37,425.56	2,222.70
			For Class 52 Rating, Deduct .....	-3,746.36	
			For Class 54 Rating, Add .....	5,149.09	
			For Class 55 Rating, Add .....	7,675.72	
			For Class 56 Rating, Add .....	10,168.30	
40 05 19 00-2499	EA		30" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	38,302.41	2,227.76
			For Class 52 Rating, Deduct .....	-3,841.97	
			For Class 54 Rating, Add .....	5,279.56	
			For Class 55 Rating, Add .....	7,869.73	
			For Class 56 Rating, Add .....	10,424.98	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2500	EA		30" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,179.24	2,232.82
			For Class 52 Rating, Deduct	-3,937.58	
			For Class 54 Rating, Add	5,410.02	
			For Class 55 Rating, Add	8,063.74	
			For Class 56 Rating, Add	10,681.66	
40 05 19 00-2501	EA		30" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,056.09	2,237.88
			For Class 52 Rating, Deduct	-4,033.19	
			For Class 54 Rating, Add	5,540.49	
			For Class 55 Rating, Add	8,257.75	
			For Class 56 Rating, Add	10,938.34	
40 05 19 00-2502	EA		30" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,932.94	2,242.95
			For Class 52 Rating, Deduct	-4,128.80	
			For Class 54 Rating, Add	5,670.96	
			For Class 55 Rating, Add	8,451.76	
			For Class 56 Rating, Add	11,195.03	
40 05 19 00-2503	EA		30" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,809.78	2,248.02
			For Class 52 Rating, Deduct	-4,224.41	
			For Class 54 Rating, Add	5,801.43	
			For Class 55 Rating, Add	8,645.77	
			For Class 56 Rating, Add	11,451.71	
40 05 19 00-2504	EA		30" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,686.62	2,253.08
			For Class 52 Rating, Deduct	-4,320.02	
			For Class 54 Rating, Add	5,931.90	
			For Class 55 Rating, Add	8,839.78	
			For Class 56 Rating, Add	11,708.39	
40 05 19 00-2505	EA		30" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,563.46	2,258.14
			For Class 52 Rating, Deduct	-4,415.62	
			For Class 54 Rating, Add	6,062.36	
			For Class 55 Rating, Add	9,033.79	
			For Class 56 Rating, Add	11,965.07	

**40 05 19 00-2506 36" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe**

40 05 19 00-2507	EA		36" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	19,103.45	2,642.93
			For Class 52 Rating, Deduct	-1,660.89	
			For Class 54 Rating, Add	2,312.90	
			For Class 55 Rating, Add	3,463.19	
			For Class 56 Rating, Add	4,598.37	
40 05 19 00-2508	EA		36" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	20,277.65	2,647.99
			For Class 52 Rating, Deduct	-1,789.21	
			For Class 54 Rating, Add	2,487.97	
			For Class 55 Rating, Add	3,723.50	
			For Class 56 Rating, Add	4,942.77	
40 05 19 00-2509	EA		36" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,451.84	2,653.06
			For Class 52 Rating, Deduct	-1,917.53	
			For Class 54 Rating, Add	2,663.04	
			For Class 55 Rating, Add	3,983.82	
			For Class 56 Rating, Add	5,287.17	
40 05 19 00-2510	EA		36" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,626.04	2,658.13
			For Class 52 Rating, Deduct	-2,045.84	
			For Class 54 Rating, Add	2,838.12	
			For Class 55 Rating, Add	4,244.14	
			For Class 56 Rating, Add	5,631.57	
40 05 19 00-2511	EA		36" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,800.23	2,663.19
			For Class 52 Rating, Deduct	-2,174.16	
			For Class 54 Rating, Add	3,013.19	
			For Class 55 Rating, Add	4,504.46	
			For Class 56 Rating, Add	5,975.97	
40 05 19 00-2512	EA		36" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	24,974.42	2,668.25
			For Class 52 Rating, Deduct	-2,302.48	
			For Class 54 Rating, Add	3,188.26	
			For Class 55 Rating, Add	4,764.78	
			For Class 56 Rating, Add	6,320.37	
40 05 19 00-2513	EA		36" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,148.62	2,673.31
			For Class 52 Rating, Deduct	-2,430.80	
			For Class 54 Rating, Add	3,363.33	
			For Class 55 Rating, Add	5,025.10	
			For Class 56 Rating, Add	6,664.77	
40 05 19 00-2514	EA		36" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,322.81	2,678.38
			For Class 52 Rating, Deduct	-2,559.11	
			For Class 54 Rating, Add	3,538.40	
			For Class 55 Rating, Add	5,285.41	
			For Class 56 Rating, Add	7,009.17	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2515	EA	36" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,496.99		2,683.44
		For Class 52 Rating, Deduct	-2,687.43		
		For Class 54 Rating, Add	3,713.47		
		For Class 55 Rating, Add	5,545.73		
		For Class 56 Rating, Add	7,353.57		
40 05 19 00-2516	EA	36" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	29,671.19		2,688.50
		For Class 52 Rating, Deduct	-2,815.75		
		For Class 54 Rating, Add	3,888.54		
		For Class 55 Rating, Add	5,806.05		
		For Class 56 Rating, Add	7,697.97		
40 05 19 00-2517	EA	36" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,845.38		2,693.56
		For Class 52 Rating, Deduct	-2,944.06		
		For Class 54 Rating, Add	4,063.61		
		For Class 55 Rating, Add	6,066.37		
		For Class 56 Rating, Add	8,042.37		
40 05 19 00-2518	EA	36" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,019.57		2,698.62
		For Class 52 Rating, Deduct	-3,072.38		
		For Class 54 Rating, Add	4,238.68		
		For Class 55 Rating, Add	6,326.69		
		For Class 56 Rating, Add	8,386.77		
40 05 19 00-2519	EA	36" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,193.76		2,703.70
		For Class 52 Rating, Deduct	-3,200.70		
		For Class 54 Rating, Add	4,413.75		
		For Class 55 Rating, Add	6,587.00		
		For Class 56 Rating, Add	8,731.17		
40 05 19 00-2520	EA	36" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,367.96		2,708.76
		For Class 52 Rating, Deduct	-3,329.02		
		For Class 54 Rating, Add	4,588.82		
		For Class 55 Rating, Add	6,847.33		
		For Class 56 Rating, Add	9,075.57		
40 05 19 00-2521	EA	36" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,542.16		2,713.82
		For Class 52 Rating, Deduct	-3,457.33		
		For Class 54 Rating, Add	4,763.89		
		For Class 55 Rating, Add	7,107.64		
		For Class 56 Rating, Add	9,419.97		
40 05 19 00-2522	EA	36" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,716.34		2,718.88
		For Class 52 Rating, Deduct	-3,585.65		
		For Class 54 Rating, Add	4,938.96		
		For Class 55 Rating, Add	7,367.96		
		For Class 56 Rating, Add	9,764.37		
40 05 19 00-2523	EA	36" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,890.54		2,723.94
		For Class 52 Rating, Deduct	-3,713.97		
		For Class 54 Rating, Add	5,114.03		
		For Class 55 Rating, Add	7,628.28		
		For Class 56 Rating, Add	10,108.77		
40 05 19 00-2524	EA	36" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,064.73		2,729.00
		For Class 52 Rating, Deduct	-3,842.29		
		For Class 54 Rating, Add	5,289.10		
		For Class 55 Rating, Add	7,888.60		
		For Class 56 Rating, Add	10,453.17		
40 05 19 00-2525	EA	36" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,238.93		2,734.07
		For Class 52 Rating, Deduct	-3,970.60		
		For Class 54 Rating, Add	5,464.17		
		For Class 55 Rating, Add	8,148.92		
		For Class 56 Rating, Add	10,797.57		
40 05 19 00-2526	EA	36" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,413.11		2,739.13
		For Class 52 Rating, Deduct	-4,098.92		
		For Class 54 Rating, Add	5,639.24		
		For Class 55 Rating, Add	8,409.23		
		For Class 56 Rating, Add	11,141.97		
40 05 19 00-2527	EA	36" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,587.30		2,744.20
		For Class 52 Rating, Deduct	-4,227.24		
		For Class 54 Rating, Add	5,814.31		
		For Class 55 Rating, Add	8,669.55		
		For Class 56 Rating, Add	11,486.37		
40 05 19 00-2528	EA	36" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	43,761.50		2,749.26
		For Class 52 Rating, Deduct	-4,355.55		
		For Class 54 Rating, Add	5,989.38		
		For Class 55 Rating, Add	8,929.87		
		For Class 56 Rating, Add	11,830.77		
40 05 19 00-2529	EA	36" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,935.68		2,754.32
		For Class 52 Rating, Deduct	-4,483.87		
		For Class 54 Rating, Add	6,164.45		
		For Class 55 Rating, Add	9,190.19		
		For Class 56 Rating, Add	12,175.16		

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2530	EA		36" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,109.88	2,759.39
			For Class 52 Rating, Deduct	-4,612.19	
			For Class 54 Rating, Add	6,339.52	
			For Class 55 Rating, Add	9,450.51	
			For Class 56 Rating, Add	12,519.56	
40 05 19 00-2531	EA		36" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,284.08	2,764.45
			For Class 52 Rating, Deduct	-4,740.51	
			For Class 54 Rating, Add	6,514.59	
			For Class 55 Rating, Add	9,710.83	
			For Class 56 Rating, Add	12,863.97	
40 05 19 00-2532	EA		36" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	48,458.27	2,769.51
			For Class 52 Rating, Deduct	-4,868.82	
			For Class 54 Rating, Add	6,689.66	
			For Class 55 Rating, Add	9,971.14	
			For Class 56 Rating, Add	13,208.37	
40 05 19 00-2533	EA		36" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,632.46	2,774.57
			For Class 52 Rating, Deduct	-4,997.14	
			For Class 54 Rating, Add	6,864.73	
			For Class 55 Rating, Add	10,231.46	
			For Class 56 Rating, Add	13,552.77	
40 05 19 00-2534	EA		36" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	50,806.65	2,779.63
			For Class 52 Rating, Deduct	-5,125.46	
			For Class 54 Rating, Add	7,039.80	
			For Class 55 Rating, Add	10,491.78	
			For Class 56 Rating, Add	13,897.17	
40 05 19 00-2535	EA		36" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,980.85	2,784.71
			For Class 52 Rating, Deduct	-5,253.78	
			For Class 54 Rating, Add	7,214.87	
			For Class 55 Rating, Add	10,752.10	
			For Class 56 Rating, Add	14,241.57	
40 05 19 00-2536	EA		36" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	53,155.04	2,789.77
			For Class 52 Rating, Deduct	-5,382.09	
			For Class 54 Rating, Add	7,389.94	
			For Class 55 Rating, Add	11,012.42	
			For Class 56 Rating, Add	14,585.96	
40 05 19 00-2537	EA		36" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,329.22	2,794.83
			For Class 52 Rating, Deduct	-5,510.41	
			For Class 54 Rating, Add	7,565.01	
			For Class 55 Rating, Add	11,272.73	
			For Class 56 Rating, Add	14,930.36	
40 05 19 00-2538	EA		36" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	55,503.42	2,799.89
			For Class 52 Rating, Deduct	-5,638.73	
			For Class 54 Rating, Add	7,740.08	
			For Class 55 Rating, Add	11,533.05	
			For Class 56 Rating, Add	15,274.76	
40 05 19 00-2539	EA		36" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,677.61	2,804.95
			For Class 52 Rating, Deduct	-5,767.04	
			For Class 54 Rating, Add	7,915.15	
			For Class 55 Rating, Add	11,793.37	
			For Class 56 Rating, Add	15,619.16	
40 05 19 00-2540	EA		36" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,851.80	2,810.02
			For Class 52 Rating, Deduct	-5,895.36	
			For Class 54 Rating, Add	8,090.22	
			For Class 55 Rating, Add	12,053.69	
			For Class 56 Rating, Add	15,963.56	
40 05 19 00-2541	EA		36" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,026.00	2,815.08
			For Class 52 Rating, Deduct	-6,023.68	
			For Class 54 Rating, Add	8,265.29	
			For Class 55 Rating, Add	12,314.01	
			For Class 56 Rating, Add	16,307.97	
40 05 19 00-2542			<b>42" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
40 05 19 00-2543	EA		42" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	25,190.26	3,331.52
			For Class 52 Rating, Deduct	-2,215.68	
			For Class 54 Rating, Add	3,081.95	
			For Class 55 Rating, Add	4,612.92	
			For Class 56 Rating, Add	6,123.76	
40 05 19 00-2544	EA		42" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	26,913.39	3,336.58
			For Class 52 Rating, Deduct	-2,404.38	
			For Class 54 Rating, Add	3,339.36	
			For Class 55 Rating, Add	4,995.66	
			For Class 56 Rating, Add	6,630.10	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2545	EA		42" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,622.24	3,341.64
			<i>For Class 52 Rating, Deduct</i>	-2,591.51	
			<i>For Class 54 Rating, Add</i>	3,594.63	
			<i>For Class 55 Rating, Add</i>	5,375.20	
			<i>For Class 56 Rating, Add</i>	7,132.22	
40 05 19 00-2546	EA		42" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	30,348.25	3,346.70
			<i>For Class 52 Rating, Deduct</i>	-2,780.52	
			<i>For Class 54 Rating, Add</i>	3,852.47	
			<i>For Class 55 Rating, Add</i>	5,758.58	
			<i>For Class 56 Rating, Add</i>	7,639.40	
40 05 19 00-2547	EA		42" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	32,062.80	3,351.77
			<i>For Class 52 Rating, Deduct</i>	-2,968.28	
			<i>For Class 54 Rating, Add</i>	4,108.60	
			<i>For Class 55 Rating, Add</i>	6,139.40	
			<i>For Class 56 Rating, Add</i>	8,143.21	
40 05 19 00-2548	EA		42" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	33,794.53	3,356.83
			<i>For Class 52 Rating, Deduct</i>	-3,157.93	
			<i>For Class 54 Rating, Add</i>	4,367.30	
			<i>For Class 55 Rating, Add</i>	6,524.04	
			<i>For Class 56 Rating, Add</i>	8,652.08	
40 05 19 00-2549	EA		42" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	35,509.10	3,361.89
			<i>For Class 52 Rating, Deduct</i>	-3,345.69	
			<i>For Class 54 Rating, Add</i>	4,623.42	
			<i>For Class 55 Rating, Add</i>	6,904.87	
			<i>For Class 56 Rating, Add</i>	9,155.90	
40 05 19 00-2550	EA		42" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	37,243.68	3,366.95
			<i>For Class 52 Rating, Deduct</i>	-3,535.65	
			<i>For Class 54 Rating, Add</i>	4,882.55	
			<i>For Class 55 Rating, Add</i>	7,290.15	
			<i>For Class 56 Rating, Add</i>	9,665.61	
40 05 19 00-2551	EA		42" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	38,963.96	3,372.02
			<i>For Class 52 Rating, Deduct</i>	-3,724.03	
			<i>For Class 54 Rating, Add</i>	5,139.54	
			<i>For Class 55 Rating, Add</i>	7,672.25	
			<i>For Class 56 Rating, Add</i>	10,171.11	
40 05 19 00-2552	EA		42" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	40,698.54	3,377.09
			<i>For Class 52 Rating, Deduct</i>	-3,913.99	
			<i>For Class 54 Rating, Add</i>	5,398.66	
			<i>For Class 55 Rating, Add</i>	8,057.53	
			<i>For Class 56 Rating, Add</i>	10,680.82	
40 05 19 00-2553	EA		42" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	42,418.83	3,382.15
			<i>For Class 52 Rating, Deduct</i>	-4,102.38	
			<i>For Class 54 Rating, Add</i>	5,655.65	
			<i>For Class 55 Rating, Add</i>	8,439.63	
			<i>For Class 56 Rating, Add</i>	11,186.32	
40 05 19 00-2554	EA		42" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,156.27	3,387.21
			<i>For Class 52 Rating, Deduct</i>	-4,292.65	
			<i>For Class 54 Rating, Add</i>	5,915.21	
			<i>For Class 55 Rating, Add</i>	8,825.55	
			<i>For Class 56 Rating, Add</i>	11,696.88	
40 05 19 00-2555	EA		42" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	45,876.54	3,392.27
			<i>For Class 52 Rating, Deduct</i>	-4,481.04	
			<i>For Class 54 Rating, Add</i>	6,172.19	
			<i>For Class 55 Rating, Add</i>	9,207.65	
			<i>For Class 56 Rating, Add</i>	12,202.37	
40 05 19 00-2556	EA		42" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	47,602.55	3,397.33
			<i>For Class 52 Rating, Deduct</i>	-4,670.06	
			<i>For Class 54 Rating, Add</i>	6,430.03	
			<i>For Class 55 Rating, Add</i>	9,591.02	
			<i>For Class 56 Rating, Add</i>	12,709.55	
40 05 19 00-2557	EA		42" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,337.13	3,402.40
			<i>For Class 52 Rating, Deduct</i>	-4,860.02	
			<i>For Class 54 Rating, Add</i>	6,689.16	
			<i>For Class 55 Rating, Add</i>	9,976.31	
			<i>For Class 56 Rating, Add</i>	13,219.27	
40 05 19 00-2558	EA		42" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,060.27	3,407.46
			<i>For Class 52 Rating, Deduct</i>	-5,048.72	
			<i>For Class 54 Rating, Add</i>	6,946.57	
			<i>For Class 55 Rating, Add</i>	10,359.04	
			<i>For Class 56 Rating, Add</i>	13,725.61	
40 05 19 00-2559	EA		42" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	52,803.43	3,412.53
			<i>For Class 52 Rating, Deduct</i>	-5,239.62	
			<i>For Class 54 Rating, Add</i>	7,206.99	
			<i>For Class 55 Rating, Add</i>	10,746.24	
			<i>For Class 56 Rating, Add</i>	14,237.85	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2560	EA		42" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,529.43	3,417.59
			For Class 52 Rating, Deduct	-5,428.64	
			For Class 54 Rating, Add	7,464.83	
			For Class 55 Rating, Add	11,129.61	
			For Class 56 Rating, Add	14,745.04	
40 05 19 00-2561	EA		42" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,269.74	3,422.65
			For Class 52 Rating, Deduct	-5,619.23	
			For Class 54 Rating, Add	7,724.82	
			For Class 55 Rating, Add	11,516.17	
			For Class 56 Rating, Add	15,256.44	
40 05 19 00-2562	EA		42" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	57,992.87	3,427.71
			For Class 52 Rating, Deduct	-5,807.93	
			For Class 54 Rating, Add	7,982.23	
			For Class 55 Rating, Add	11,898.90	
			For Class 56 Rating, Add	15,762.78	
40 05 19 00-2563	EA		42" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,738.89	3,432.78
			For Class 52 Rating, Deduct	-5,999.15	
			For Class 54 Rating, Add	8,243.07	
			For Class 55 Rating, Add	12,286.74	
			For Class 56 Rating, Add	16,275.87	
40 05 19 00-2564	EA		42" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,464.90	3,437.84
			For Class 52 Rating, Deduct	-6,188.17	
			For Class 54 Rating, Add	8,500.91	
			For Class 55 Rating, Add	12,670.11	
			For Class 56 Rating, Add	16,783.05	
40 05 19 00-2565	EA		42" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	63,205.19	3,442.90
			For Class 52 Rating, Deduct	-6,378.75	
			For Class 54 Rating, Add	8,760.90	
			For Class 55 Rating, Add	13,056.67	
			For Class 56 Rating, Add	17,294.45	
40 05 19 00-2566	EA		42" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,931.19	3,447.96
			For Class 52 Rating, Deduct	-6,567.77	
			For Class 54 Rating, Add	9,018.74	
			For Class 55 Rating, Add	13,440.04	
			For Class 56 Rating, Add	17,801.64	
40 05 19 00-2567	EA		42" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,677.21	3,453.03
			For Class 52 Rating, Deduct	-6,758.99	
			For Class 54 Rating, Add	9,279.58	
			For Class 55 Rating, Add	13,827.88	
			For Class 56 Rating, Add	18,314.73	
40 05 19 00-2568	EA		42" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	68,403.22	3,458.10
			For Class 52 Rating, Deduct	-6,948.00	
			For Class 54 Rating, Add	9,537.43	
			For Class 55 Rating, Add	14,211.25	
			For Class 56 Rating, Add	18,821.91	
40 05 19 00-2569	EA		42" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	70,143.51	3,463.16
			For Class 52 Rating, Deduct	-7,138.59	
			For Class 54 Rating, Add	9,797.41	
			For Class 55 Rating, Add	14,597.81	
			For Class 56 Rating, Add	19,333.31	
40 05 19 00-2570	EA		42" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,872.37	3,468.22
			For Class 52 Rating, Deduct	-7,327.93	
			For Class 54 Rating, Add	10,055.68	
			For Class 55 Rating, Add	14,981.82	
			For Class 56 Rating, Add	19,841.34	
40 05 19 00-2571	EA		42" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	73,272.44	3,473.28
			For Class 52 Rating, Deduct	-7,481.09	
			For Class 54 Rating, Add	10,264.63	
			For Class 55 Rating, Add	15,292.51	
			For Class 56 Rating, Add	20,252.37	
40 05 19 00-2572	EA		42" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	75,344.39	3,478.34
			For Class 52 Rating, Deduct	-7,708.16	
			For Class 54 Rating, Add	10,574.37	
			For Class 55 Rating, Add	15,753.03	
			For Class 56 Rating, Add	20,861.61	
40 05 19 00-2573	EA		42" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	77,070.39	3,483.41
			For Class 52 Rating, Deduct	-7,897.18	
			For Class 54 Rating, Add	10,832.21	
			For Class 55 Rating, Add	16,136.40	
			For Class 56 Rating, Add	21,368.79	
40 05 19 00-2574	EA		42" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	78,813.55	3,488.47
			For Class 52 Rating, Deduct	-8,088.08	
			For Class 54 Rating, Add	11,092.63	
			For Class 55 Rating, Add	16,523.60	
			For Class 56 Rating, Add	21,881.04	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2575	EA		42" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	80,542.42	3,493.53
			<i>For Class 52 Rating, Deduct</i>	-8,277.41	
			<i>For Class 54 Rating, Add</i>	11,350.90	
			<i>For Class 55 Rating, Add</i>	16,907.60	
			<i>For Class 56 Rating, Add</i>	22,389.06	
40 05 19 00-2576	EA		42" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	82,288.43	3,498.60
			<i>For Class 52 Rating, Deduct</i>	-8,468.63	
			<i>For Class 54 Rating, Add</i>	11,611.74	
			<i>For Class 55 Rating, Add</i>	17,295.44	
			<i>For Class 56 Rating, Add</i>	22,902.15	
40 05 19 00-2577	EA		42" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,011.57	3,503.66
			<i>For Class 52 Rating, Deduct</i>	-8,657.33	
			<i>For Class 54 Rating, Add</i>	11,869.15	
			<i>For Class 55 Rating, Add</i>	17,678.17	
			<i>For Class 56 Rating, Add</i>	23,408.49	
<b>40 05 19 00-2578 48" Flanged End (FxF), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-2074)</b>					
40 05 19 00-2579	EA		48" Flanged (FxF), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	31,598.82	4,187.18
			<i>For Class 52 Rating, Deduct</i>	-2,778.01	
			<i>For Class 54 Rating, Add</i>	3,864.32	
			<i>For Class 55 Rating, Add</i>	5,784.04	
			<i>For Class 56 Rating, Add</i>	7,678.50	
40 05 19 00-2580	EA		48" Flanged (FxF), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	34,059.61	4,192.24
			<i>For Class 52 Rating, Deduct</i>	-3,047.85	
			<i>For Class 54 Rating, Add</i>	4,232.38	
			<i>For Class 55 Rating, Add</i>	6,331.27	
			<i>For Class 56 Rating, Add</i>	8,402.45	
40 05 19 00-2581	EA		48" Flanged (FxF), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	36,526.13	4,197.30
			<i>For Class 52 Rating, Deduct</i>	-3,318.32	
			<i>For Class 54 Rating, Add</i>	4,601.30	
			<i>For Class 55 Rating, Add</i>	6,879.78	
			<i>For Class 56 Rating, Add</i>	9,128.08	
40 05 19 00-2582	EA		48" Flanged (FxF), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	39,021.23	4,202.36
			<i>For Class 52 Rating, Deduct</i>	-3,591.94	
			<i>For Class 54 Rating, Add</i>	4,974.51	
			<i>For Class 55 Rating, Add</i>	7,434.66	
			<i>For Class 56 Rating, Add</i>	9,862.15	
40 05 19 00-2583	EA		48" Flanged (FxF), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	41,507.77	4,207.43
			<i>For Class 52 Rating, Deduct</i>	-3,864.62	
			<i>For Class 54 Rating, Add</i>	5,346.43	
			<i>For Class 55 Rating, Add</i>	7,987.63	
			<i>For Class 56 Rating, Add</i>	10,593.69	
40 05 19 00-2584	EA		48" Flanged (FxF), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	44,000.00	4,212.50
			<i>For Class 52 Rating, Deduct</i>	-4,137.92	
			<i>For Class 54 Rating, Add</i>	5,719.21	
			<i>For Class 55 Rating, Add</i>	8,541.87	
			<i>For Class 56 Rating, Add</i>	11,326.92	
40 05 19 00-2585	EA		48" Flanged (FxF), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	46,509.41	4,217.56
			<i>For Class 52 Rating, Deduct</i>	-4,413.11	
			<i>For Class 54 Rating, Add</i>	6,094.56	
			<i>For Class 55 Rating, Add</i>	9,099.94	
			<i>For Class 56 Rating, Add</i>	12,065.20	
40 05 19 00-2586	EA		48" Flanged (FxF), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	49,013.09	4,222.62
			<i>For Class 52 Rating, Deduct</i>	-4,687.67	
			<i>For Class 54 Rating, Add</i>	6,469.05	
			<i>For Class 55 Rating, Add</i>	9,656.73	
			<i>For Class 56 Rating, Add</i>	12,801.80	
40 05 19 00-2587	EA		48" Flanged (FxF), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	51,513.92	4,227.68
			<i>For Class 52 Rating, Deduct</i>	-4,961.92	
			<i>For Class 54 Rating, Add</i>	6,843.12	
			<i>For Class 55 Rating, Add</i>	10,212.89	
			<i>For Class 56 Rating, Add</i>	13,537.56	
40 05 19 00-2588	EA		48" Flanged (FxF), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	54,040.47	4,232.74
			<i>For Class 52 Rating, Deduct</i>	-5,238.99	
			<i>For Class 54 Rating, Add</i>	7,221.04	
			<i>For Class 55 Rating, Add</i>	10,774.79	
			<i>For Class 56 Rating, Add</i>	14,280.91	
40 05 19 00-2589	EA		48" Flanged (FxF), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	56,549.87	4,237.81
			<i>For Class 52 Rating, Deduct</i>	-5,514.18	
			<i>For Class 54 Rating, Add</i>	7,596.39	
			<i>For Class 55 Rating, Add</i>	11,332.86	
			<i>For Class 56 Rating, Add</i>	15,019.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2590	EA		48" Flanged (FxF), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	59,079.29	4,242.87
			For Class 52 Rating, Deduct	-5,791.58	
			For Class 54 Rating, Add	7,974.75	
			For Class 55 Rating, Add	11,895.39	
			For Class 56 Rating, Add	15,763.38	
40 05 19 00-2591	EA		48" Flanged (FxF), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	61,594.40	4,247.94
			For Class 52 Rating, Deduct	-6,067.40	
			For Class 54 Rating, Add	8,350.96	
			For Class 55 Rating, Add	12,454.74	
			For Class 56 Rating, Add	16,503.36	
40 05 19 00-2592	EA		48" Flanged (FxF), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	64,112.38	4,253.00
			For Class 52 Rating, Deduct	-6,343.53	
			For Class 54 Rating, Add	8,727.59	
			For Class 55 Rating, Add	13,014.72	
			For Class 56 Rating, Add	17,244.17	
40 05 19 00-2593	EA		48" Flanged (FxF), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	66,647.52	4,258.06
			For Class 52 Rating, Deduct	-6,621.55	
			For Class 54 Rating, Add	9,106.81	
			For Class 55 Rating, Add	13,578.53	
			For Class 56 Rating, Add	17,990.05	
40 05 19 00-2594	EA		48" Flanged (FxF), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	69,171.22	4,263.13
			For Class 52 Rating, Deduct	-6,898.31	
			For Class 54 Rating, Add	9,484.30	
			For Class 55 Rating, Add	14,139.79	
			For Class 56 Rating, Add	18,732.56	
40 05 19 00-2595	EA		48" Flanged (FxF), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	71,692.05	4,268.19
			For Class 52 Rating, Deduct	-7,174.76	
			For Class 54 Rating, Add	9,861.37	
			For Class 55 Rating, Add	14,700.40	
			For Class 56 Rating, Add	19,474.21	
40 05 19 00-2596	EA		48" Flanged (FxF), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	74,232.90	4,273.25
			For Class 52 Rating, Deduct	-7,453.41	
			For Class 54 Rating, Add	10,241.44	
			For Class 55 Rating, Add	15,265.49	
			For Class 56 Rating, Add	20,221.78	
40 05 19 00-2597	EA		48" Flanged (FxF), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	76,759.47	4,278.31
			For Class 52 Rating, Deduct	-7,730.49	
			For Class 54 Rating, Add	10,619.36	
			For Class 55 Rating, Add	15,827.38	
			For Class 56 Rating, Add	20,965.13	
40 05 19 00-2598	EA		48" Flanged (FxF), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	79,283.17	4,283.37
			For Class 52 Rating, Deduct	-8,007.25	
			For Class 54 Rating, Add	10,996.86	
			For Class 55 Rating, Add	16,388.64	
			For Class 56 Rating, Add	21,707.63	
40 05 19 00-2599	EA		48" Flanged (FxF), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	81,826.86	4,288.43
			For Class 52 Rating, Deduct	-8,286.22	
			For Class 54 Rating, Add	11,377.36	
			For Class 55 Rating, Add	16,954.36	
			For Class 56 Rating, Add	22,456.04	
40 05 19 00-2600	EA		48" Flanged (FxF), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	84,359.15	4,293.51
			For Class 52 Rating, Deduct	-8,563.92	
			For Class 54 Rating, Add	11,756.14	
			For Class 55 Rating, Add	17,517.53	
			For Class 56 Rating, Add	23,201.07	
40 05 19 00-2601	EA		48" Flanged (FxF), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	86,885.70	4,298.57
			For Class 52 Rating, Deduct	-8,841.00	
			For Class 54 Rating, Add	12,134.06	
			For Class 55 Rating, Add	18,079.43	
			For Class 56 Rating, Add	23,944.42	
40 05 19 00-2602	EA		48" Flanged (FxF), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	89,432.27	4,303.63
			For Class 52 Rating, Deduct	-9,120.28	
			For Class 54 Rating, Add	12,514.99	
			For Class 55 Rating, Add	18,645.79	
			For Class 56 Rating, Add	24,693.67	
40 05 19 00-2603	EA		48" Flanged (FxF), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	91,964.54	4,308.69
			For Class 52 Rating, Deduct	-9,397.98	
			For Class 54 Rating, Add	12,893.77	
			For Class 55 Rating, Add	19,208.96	
			For Class 56 Rating, Add	25,438.70	
40 05 19 00-2604	EA		48" Flanged (FxF), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	94,493.96	4,313.75
			For Class 52 Rating, Deduct	-9,675.38	
			For Class 54 Rating, Add	13,272.13	
			For Class 55 Rating, Add	19,771.49	
			For Class 56 Rating, Add	26,182.90	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2605	EA	48" Flanged (FxF), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	97,043.40	4,318.82
		<i>For Class 52 Rating, Deduct</i>	.....	-9,954.97	
		<i>For Class 54 Rating, Add</i>	.....	13,653.48	
		<i>For Class 55 Rating, Add</i>	.....	20,338.49	
		<i>For Class 56 Rating, Add</i>	.....	26,932.99	
40 05 19 00-2606	EA	48" Flanged (FxF), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	99,578.52	4,323.88
		<i>For Class 52 Rating, Deduct</i>	.....	-10,232.99	
		<i>For Class 54 Rating, Add</i>	.....	14,032.69	
		<i>For Class 55 Rating, Add</i>	.....	20,902.30	
		<i>For Class 56 Rating, Add</i>	.....	27,678.87	
40 05 19 00-2607	EA	48" Flanged (FxF), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	101,816.31	4,328.94
		<i>For Class 52 Rating, Deduct</i>	.....	-10,478.30	
		<i>For Class 54 Rating, Add</i>	.....	14,367.30	
		<i>For Class 55 Rating, Add</i>	.....	21,399.79	
		<i>For Class 56 Rating, Add</i>	.....	28,337.03	
40 05 19 00-2608	EA	48" Flanged (FxF), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	104,663.09	4,334.01
		<i>For Class 52 Rating, Deduct</i>	.....	-10,790.61	
		<i>For Class 54 Rating, Add</i>	.....	14,793.26	
		<i>For Class 55 Rating, Add</i>	.....	22,033.10	
		<i>For Class 56 Rating, Add</i>	.....	29,174.84	
40 05 19 00-2609	EA	48" Flanged (FxF), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	107,195.36	4,339.07
		<i>For Class 52 Rating, Deduct</i>	.....	-11,068.31	
		<i>For Class 54 Rating, Add</i>	.....	15,172.04	
		<i>For Class 55 Rating, Add</i>	.....	22,596.27	
		<i>For Class 56 Rating, Add</i>	.....	29,919.87	
40 05 19 00-2610	EA	48" Flanged (FxF), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	109,750.51	4,344.14
		<i>For Class 52 Rating, Deduct</i>	.....	-11,348.53	
		<i>For Class 54 Rating, Add</i>	.....	15,554.26	
		<i>For Class 55 Rating, Add</i>	.....	23,164.54	
		<i>For Class 56 Rating, Add</i>	.....	30,671.66	
40 05 19 00-2611	EA	48" Flanged (FxF), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	112,282.78	4,349.20
		<i>For Class 52 Rating, Deduct</i>	.....	-11,626.24	
		<i>For Class 54 Rating, Add</i>	.....	15,933.04	
		<i>For Class 55 Rating, Add</i>	.....	23,727.71	
		<i>For Class 56 Rating, Add</i>	.....	31,416.69	
40 05 19 00-2612	EA	48" Flanged (FxF), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	114,815.06	4,354.26
		<i>For Class 52 Rating, Deduct</i>	.....	-11,903.95	
		<i>For Class 54 Rating, Add</i>	.....	16,311.82	
		<i>For Class 55 Rating, Add</i>	.....	24,290.88	
		<i>For Class 56 Rating, Add</i>	.....	32,161.72	
40 05 19 00-2613	EA	48" Flanged (FxF), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	117,373.06	4,359.32
		<i>For Class 52 Rating, Deduct</i>	.....	-12,184.48	
		<i>For Class 54 Rating, Add</i>	.....	16,694.46	
		<i>For Class 55 Rating, Add</i>	.....	24,859.79	
		<i>For Class 56 Rating, Add</i>	.....	32,914.35	
40 05 19 00-2614		Flanged End x Grooved End (FxG), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2073)</small>			
40 05 19 00-2615		4" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2614)</small>			
40 05 19 00-2616	EA	4" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	862.82	231.69
		<i>For Class 52 Rating, Deduct</i>	.....	-56.30	
		<i>For Class 54 Rating, Add</i>	.....	80.98	
		<i>For Class 55 Rating, Add</i>	.....	122.55	
		<i>For Class 56 Rating, Add</i>	.....	163.61	
40 05 19 00-2617	EA	4" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	977.61	235.74
		<i>For Class 52 Rating, Deduct</i>	.....	-68.25	
		<i>For Class 54 Rating, Add</i>	.....	97.35	
		<i>For Class 55 Rating, Add</i>	.....	146.93	
		<i>For Class 56 Rating, Add</i>	.....	195.89	
40 05 19 00-2618	EA	4" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	1,092.40	239.79
		<i>For Class 52 Rating, Deduct</i>	.....	-80.20	
		<i>For Class 54 Rating, Add</i>	.....	113.72	
		<i>For Class 55 Rating, Add</i>	.....	171.30	
		<i>For Class 56 Rating, Add</i>	.....	228.16	
40 05 19 00-2619	EA	4" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	1,207.18	243.85
		<i>For Class 52 Rating, Deduct</i>	.....	-92.15	
		<i>For Class 54 Rating, Add</i>	.....	130.09	
		<i>For Class 55 Rating, Add</i>	.....	195.68	
		<i>For Class 56 Rating, Add</i>	.....	260.43	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2620	EA	4" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,321.96		247.90
		<i>For Class 52 Rating, Deduct</i> .....	-104.10		
		<i>For Class 54 Rating, Add</i> .....	146.46		
		<i>For Class 55 Rating, Add</i> .....	220.05		
		<i>For Class 56 Rating, Add</i> .....	292.70		
40 05 19 00-2621	EA	4" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,436.74		251.95
		<i>For Class 52 Rating, Deduct</i> .....	-116.05		
		<i>For Class 54 Rating, Add</i> .....	162.83		
		<i>For Class 55 Rating, Add</i> .....	244.43		
		<i>For Class 56 Rating, Add</i> .....	324.97		
40 05 19 00-2622	EA	4" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,551.52		256.00
		<i>For Class 52 Rating, Deduct</i> .....	-128.00		
		<i>For Class 54 Rating, Add</i> .....	179.20		
		<i>For Class 55 Rating, Add</i> .....	268.80		
		<i>For Class 56 Rating, Add</i> .....	357.24		
40 05 19 00-2623	EA	4" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,666.31		260.04
		<i>For Class 52 Rating, Deduct</i> .....	-139.95		
		<i>For Class 54 Rating, Add</i> .....	195.57		
		<i>For Class 55 Rating, Add</i> .....	293.18		
		<i>For Class 56 Rating, Add</i> .....	389.52		
40 05 19 00-2624	EA	4" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,781.10		264.09
		<i>For Class 52 Rating, Deduct</i> .....	-151.91		
		<i>For Class 54 Rating, Add</i> .....	211.95		
		<i>For Class 55 Rating, Add</i> .....	317.56		
		<i>For Class 56 Rating, Add</i> .....	421.79		
40 05 19 00-2625	EA	4" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,895.87		268.14
		<i>For Class 52 Rating, Deduct</i> .....	-163.86		
		<i>For Class 54 Rating, Add</i> .....	228.32		
		<i>For Class 55 Rating, Add</i> .....	341.93		
		<i>For Class 56 Rating, Add</i> .....	454.06		
40 05 19 00-2626	EA	4" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,010.66		272.19
		<i>For Class 52 Rating, Deduct</i> .....	-175.81		
		<i>For Class 54 Rating, Add</i> .....	244.69		
		<i>For Class 55 Rating, Add</i> .....	366.31		
		<i>For Class 56 Rating, Add</i> .....	486.33		
40 05 19 00-2627	EA	4" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,125.44		276.24
		<i>For Class 52 Rating, Deduct</i> .....	-187.76		
		<i>For Class 54 Rating, Add</i> .....	261.06		
		<i>For Class 55 Rating, Add</i> .....	390.68		
		<i>For Class 56 Rating, Add</i> .....	518.60		
40 05 19 00-2628	EA	4" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,240.23		280.29
		<i>For Class 52 Rating, Deduct</i> .....	-199.71		
		<i>For Class 54 Rating, Add</i> .....	277.43		
		<i>For Class 55 Rating, Add</i> .....	415.06		
		<i>For Class 56 Rating, Add</i> .....	550.87		
40 05 19 00-2629	EA	4" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,355.02		284.34
		<i>For Class 52 Rating, Deduct</i> .....	-211.66		
		<i>For Class 54 Rating, Add</i> .....	293.80		
		<i>For Class 55 Rating, Add</i> .....	439.43		
		<i>For Class 56 Rating, Add</i> .....	583.15		
40 05 19 00-2630	EA	4" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,469.79		288.40
		<i>For Class 52 Rating, Deduct</i> .....	-223.61		
		<i>For Class 54 Rating, Add</i> .....	310.17		
		<i>For Class 55 Rating, Add</i> .....	463.81		
		<i>For Class 56 Rating, Add</i> .....	615.42		
40 05 19 00-2631	EA	4" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,584.58		292.45
		<i>For Class 52 Rating, Deduct</i> .....	-235.56		
		<i>For Class 54 Rating, Add</i> .....	326.54		
		<i>For Class 55 Rating, Add</i> .....	488.18		
		<i>For Class 56 Rating, Add</i> .....	647.69		
40 05 19 00-2632	EA	4" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,699.37		296.50
		<i>For Class 52 Rating, Deduct</i> .....	-247.51		
		<i>For Class 54 Rating, Add</i> .....	342.91		
		<i>For Class 55 Rating, Add</i> .....	512.56		
		<i>For Class 56 Rating, Add</i> .....	679.96		
40 05 19 00-2633	EA	4" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,814.14		300.55
		<i>For Class 52 Rating, Deduct</i> .....	-259.46		
		<i>For Class 54 Rating, Add</i> .....	359.28		
		<i>For Class 55 Rating, Add</i> .....	536.93		
		<i>For Class 56 Rating, Add</i> .....	712.23		
40 05 19 00-2634	EA	4" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,928.92		304.60
		<i>For Class 52 Rating, Deduct</i> .....	-271.42		
		<i>For Class 54 Rating, Add</i> .....	375.65		
		<i>For Class 55 Rating, Add</i> .....	561.31		
		<i>For Class 56 Rating, Add</i> .....	744.50		



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2635	EA		4" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,043.71	308.65
			<i>For Class 52 Rating, Deduct</i>	-283.37	
			<i>For Class 54 Rating, Add</i>	392.02	
			<i>For Class 55 Rating, Add</i>	585.69	
			<i>For Class 56 Rating, Add</i>	776.78	
40 05 19 00-2636	EA		4" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,158.49	312.70
			<i>For Class 52 Rating, Deduct</i>	-295.32	
			<i>For Class 54 Rating, Add</i>	408.39	
			<i>For Class 55 Rating, Add</i>	610.06	
			<i>For Class 56 Rating, Add</i>	809.05	
40 05 19 00-2637	EA		4" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,273.28	316.75
			<i>For Class 52 Rating, Deduct</i>	-307.27	
			<i>For Class 54 Rating, Add</i>	424.76	
			<i>For Class 55 Rating, Add</i>	634.44	
			<i>For Class 56 Rating, Add</i>	841.32	
40 05 19 00-2638	EA		4" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,388.07	320.80
			<i>For Class 52 Rating, Deduct</i>	-319.22	
			<i>For Class 54 Rating, Add</i>	441.13	
			<i>For Class 55 Rating, Add</i>	658.81	
			<i>For Class 56 Rating, Add</i>	873.59	
40 05 19 00-2639	EA		4" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,502.84	324.85
			<i>For Class 52 Rating, Deduct</i>	-331.17	
			<i>For Class 54 Rating, Add</i>	457.50	
			<i>For Class 55 Rating, Add</i>	683.19	
			<i>For Class 56 Rating, Add</i>	905.86	
40 05 19 00-2640	EA		4" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,617.63	328.91
			<i>For Class 52 Rating, Deduct</i>	-343.12	
			<i>For Class 54 Rating, Add</i>	473.87	
			<i>For Class 55 Rating, Add</i>	707.56	
			<i>For Class 56 Rating, Add</i>	938.13	
40 05 19 00-2641	EA		4" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,732.42	332.96
			<i>For Class 52 Rating, Deduct</i>	-355.07	
			<i>For Class 54 Rating, Add</i>	490.25	
			<i>For Class 55 Rating, Add</i>	731.94	
			<i>For Class 56 Rating, Add</i>	970.41	
40 05 19 00-2642	EA		4" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,847.20	337.01
			<i>For Class 52 Rating, Deduct</i>	-367.02	
			<i>For Class 54 Rating, Add</i>	506.62	
			<i>For Class 55 Rating, Add</i>	756.31	
			<i>For Class 56 Rating, Add</i>	1,002.68	
40 05 19 00-2643	EA		4" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,961.99	341.05
			<i>For Class 52 Rating, Deduct</i>	-378.98	
			<i>For Class 54 Rating, Add</i>	522.99	
			<i>For Class 55 Rating, Add</i>	780.69	
			<i>For Class 56 Rating, Add</i>	1,034.95	
40 05 19 00-2644	EA		4" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,076.77	345.10
			<i>For Class 52 Rating, Deduct</i>	-390.93	
			<i>For Class 54 Rating, Add</i>	539.36	
			<i>For Class 55 Rating, Add</i>	805.07	
			<i>For Class 56 Rating, Add</i>	1,067.22	
40 05 19 00-2645	EA		4" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,191.55	349.15
			<i>For Class 52 Rating, Deduct</i>	-402.88	
			<i>For Class 54 Rating, Add</i>	555.73	
			<i>For Class 55 Rating, Add</i>	829.44	
			<i>For Class 56 Rating, Add</i>	1,099.49	
40 05 19 00-2646	EA		4" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,306.33	353.20
			<i>For Class 52 Rating, Deduct</i>	-414.83	
			<i>For Class 54 Rating, Add</i>	572.10	
			<i>For Class 55 Rating, Add</i>	853.82	
			<i>For Class 56 Rating, Add</i>	1,131.76	
40 05 19 00-2647	EA		4" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,421.12	357.25
			<i>For Class 52 Rating, Deduct</i>	-426.78	
			<i>For Class 54 Rating, Add</i>	588.47	
			<i>For Class 55 Rating, Add</i>	878.19	
			<i>For Class 56 Rating, Add</i>	1,164.04	
40 05 19 00-2648	EA		4" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,535.89	361.30
			<i>For Class 52 Rating, Deduct</i>	-438.73	
			<i>For Class 54 Rating, Add</i>	604.84	
			<i>For Class 55 Rating, Add</i>	902.57	
			<i>For Class 56 Rating, Add</i>	1,196.31	
40 05 19 00-2649	EA		4" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,650.68	365.35
			<i>For Class 52 Rating, Deduct</i>	-450.68	
			<i>For Class 54 Rating, Add</i>	621.21	
			<i>For Class 55 Rating, Add</i>	926.94	
			<i>For Class 56 Rating, Add</i>	1,228.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2650	EA		4" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,765.47	369.41
			For Class 52 Rating, Deduct .....	-462.63	
			For Class 54 Rating, Add .....	637.58	
			For Class 55 Rating, Add .....	951.32	
			For Class 56 Rating, Add .....	1,260.85	
40 05 19 00-2651	EA		4" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,880.25	373.46
			For Class 52 Rating, Deduct .....	-474.59	
			For Class 54 Rating, Add .....	653.95	
			For Class 55 Rating, Add .....	975.69	
			For Class 56 Rating, Add .....	1,293.12	
40 05 19 00-2652	EA		4" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,995.04	377.51
			For Class 52 Rating, Deduct .....	-486.54	
			For Class 54 Rating, Add .....	670.32	
			For Class 55 Rating, Add .....	1,000.07	
			For Class 56 Rating, Add .....	1,325.39	
40 05 19 00-2653	EA		4" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,081.22	381.56
			For Class 52 Rating, Deduct .....	-495.34	
			For Class 54 Rating, Add .....	682.40	
			For Class 55 Rating, Add .....	1,018.07	
			For Class 56 Rating, Add .....	1,349.23	
40 05 19 00-2654	EA		4" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,224.60	385.61
			For Class 52 Rating, Deduct .....	-510.44	
			For Class 54 Rating, Add .....	703.06	
			For Class 55 Rating, Add .....	1,048.82	
			For Class 56 Rating, Add .....	1,389.94	
<b>40 05 19 00-2655</b>			<b>6" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2614)</small></b>		
40 05 19 00-2656	EA		6" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,113.76	291.63
			For Class 52 Rating, Deduct .....	-73.91	
			For Class 54 Rating, Add .....	106.09	
			For Class 55 Rating, Add .....	160.44	
			For Class 56 Rating, Add .....	214.11	
40 05 19 00-2657	EA		6" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,245.70	295.68
			For Class 52 Rating, Deduct .....	-87.75	
			For Class 54 Rating, Add .....	125.03	
			For Class 55 Rating, Add .....	188.64	
			For Class 56 Rating, Add .....	251.45	
40 05 19 00-2658	EA		6" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,377.64	299.73
			For Class 52 Rating, Deduct .....	-101.59	
			For Class 54 Rating, Add .....	143.97	
			For Class 55 Rating, Add .....	216.84	
			For Class 56 Rating, Add .....	288.78	
40 05 19 00-2659	EA		6" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,509.58	303.78
			For Class 52 Rating, Deduct .....	-115.42	
			For Class 54 Rating, Add .....	162.92	
			For Class 55 Rating, Add .....	245.04	
			For Class 56 Rating, Add .....	326.11	
40 05 19 00-2660	EA		6" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,641.52	307.83
			For Class 52 Rating, Deduct .....	-129.26	
			For Class 54 Rating, Add .....	181.86	
			For Class 55 Rating, Add .....	273.24	
			For Class 56 Rating, Add .....	363.45	
40 05 19 00-2661	EA		6" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,773.45	311.88
			For Class 52 Rating, Deduct .....	-143.10	
			For Class 54 Rating, Add .....	200.81	
			For Class 55 Rating, Add .....	301.44	
			For Class 56 Rating, Add .....	400.78	
40 05 19 00-2662	EA		6" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	1,905.39	315.94
			For Class 52 Rating, Deduct .....	-156.94	
			For Class 54 Rating, Add .....	219.75	
			For Class 55 Rating, Add .....	329.64	
			For Class 56 Rating, Add .....	438.11	
40 05 19 00-2663	EA		6" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,037.33	319.99
			For Class 52 Rating, Deduct .....	-170.78	
			For Class 54 Rating, Add .....	238.69	
			For Class 55 Rating, Add .....	357.84	
			For Class 56 Rating, Add .....	475.44	
40 05 19 00-2664	EA		6" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,169.27	324.04
			For Class 52 Rating, Deduct .....	-184.61	
			For Class 54 Rating, Add .....	257.64	
			For Class 55 Rating, Add .....	386.04	
			For Class 56 Rating, Add .....	512.77	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2665	EA		6" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,301.20	328.09
			<i>For Class 52 Rating, Deduct</i>	-198.45	
			<i>For Class 54 Rating, Add</i>	276.58	
			<i>For Class 55 Rating, Add</i>	414.24	
			<i>For Class 56 Rating, Add</i>	550.11	
40 05 19 00-2666	EA		6" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,433.15	332.14
			<i>For Class 52 Rating, Deduct</i>	-212.29	
			<i>For Class 54 Rating, Add</i>	295.53	
			<i>For Class 55 Rating, Add</i>	442.45	
			<i>For Class 56 Rating, Add</i>	587.44	
40 05 19 00-2667	EA		6" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,565.09	336.19
			<i>For Class 52 Rating, Deduct</i>	-226.13	
			<i>For Class 54 Rating, Add</i>	314.47	
			<i>For Class 55 Rating, Add</i>	470.65	
			<i>For Class 56 Rating, Add</i>	624.77	
40 05 19 00-2668	EA		6" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,697.03	340.24
			<i>For Class 52 Rating, Deduct</i>	-239.97	
			<i>For Class 54 Rating, Add</i>	333.41	
			<i>For Class 55 Rating, Add</i>	498.85	
			<i>For Class 56 Rating, Add</i>	662.10	
40 05 19 00-2669	EA		6" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,828.97	344.29
			<i>For Class 52 Rating, Deduct</i>	-253.80	
			<i>For Class 54 Rating, Add</i>	352.36	
			<i>For Class 55 Rating, Add</i>	527.05	
			<i>For Class 56 Rating, Add</i>	699.44	
40 05 19 00-2670	EA		6" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,960.90	348.34
			<i>For Class 52 Rating, Deduct</i>	-267.64	
			<i>For Class 54 Rating, Add</i>	371.30	
			<i>For Class 55 Rating, Add</i>	555.25	
			<i>For Class 56 Rating, Add</i>	736.77	
40 05 19 00-2671	EA		6" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,092.83	352.39
			<i>For Class 52 Rating, Deduct</i>	-281.48	
			<i>For Class 54 Rating, Add</i>	390.24	
			<i>For Class 55 Rating, Add</i>	583.45	
			<i>For Class 56 Rating, Add</i>	774.10	
40 05 19 00-2672	EA		6" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,224.77	356.45
			<i>For Class 52 Rating, Deduct</i>	-295.32	
			<i>For Class 54 Rating, Add</i>	409.19	
			<i>For Class 55 Rating, Add</i>	611.65	
			<i>For Class 56 Rating, Add</i>	811.43	
40 05 19 00-2673	EA		6" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,356.72	360.50
			<i>For Class 52 Rating, Deduct</i>	-309.16	
			<i>For Class 54 Rating, Add</i>	428.13	
			<i>For Class 55 Rating, Add</i>	639.85	
			<i>For Class 56 Rating, Add</i>	848.77	
40 05 19 00-2674	EA		6" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,488.65	364.55
			<i>For Class 52 Rating, Deduct</i>	-323.00	
			<i>For Class 54 Rating, Add</i>	447.08	
			<i>For Class 55 Rating, Add</i>	668.06	
			<i>For Class 56 Rating, Add</i>	886.10	
40 05 19 00-2675	EA		6" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,620.59	368.60
			<i>For Class 52 Rating, Deduct</i>	-336.83	
			<i>For Class 54 Rating, Add</i>	466.02	
			<i>For Class 55 Rating, Add</i>	696.26	
			<i>For Class 56 Rating, Add</i>	923.43	
40 05 19 00-2676	EA		6" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,752.53	372.64
			<i>For Class 52 Rating, Deduct</i>	-350.67	
			<i>For Class 54 Rating, Add</i>	484.96	
			<i>For Class 55 Rating, Add</i>	724.46	
			<i>For Class 56 Rating, Add</i>	960.76	
40 05 19 00-2677	EA		6" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,884.47	376.69
			<i>For Class 52 Rating, Deduct</i>	-364.51	
			<i>For Class 54 Rating, Add</i>	503.91	
			<i>For Class 55 Rating, Add</i>	752.66	
			<i>For Class 56 Rating, Add</i>	998.09	
40 05 19 00-2678	EA		6" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,016.41	380.74
			<i>For Class 52 Rating, Deduct</i>	-378.35	
			<i>For Class 54 Rating, Add</i>	522.85	
			<i>For Class 55 Rating, Add</i>	780.86	
			<i>For Class 56 Rating, Add</i>	1,035.43	
40 05 19 00-2679	EA		6" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,148.34	384.79
			<i>For Class 52 Rating, Deduct</i>	-392.19	
			<i>For Class 54 Rating, Add</i>	541.79	
			<i>For Class 55 Rating, Add</i>	809.06	
			<i>For Class 56 Rating, Add</i>	1,072.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2680	EA		6" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,280.28	388.84
			<i>For Class 52 Rating, Deduct</i> .....	-406.02	
			<i>For Class 54 Rating, Add</i> .....	560.74	
			<i>For Class 55 Rating, Add</i> .....	837.26	
			<i>For Class 56 Rating, Add</i> .....	1,110.09	
40 05 19 00-2681	EA		6" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,412.23	392.89
			<i>For Class 52 Rating, Deduct</i> .....	-419.86	
			<i>For Class 54 Rating, Add</i> .....	579.68	
			<i>For Class 55 Rating, Add</i> .....	865.46	
			<i>For Class 56 Rating, Add</i> .....	1,147.43	
40 05 19 00-2682	EA		6" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,544.17	396.94
			<i>For Class 52 Rating, Deduct</i> .....	-433.70	
			<i>For Class 54 Rating, Add</i> .....	598.63	
			<i>For Class 55 Rating, Add</i> .....	893.66	
			<i>For Class 56 Rating, Add</i> .....	1,184.76	
40 05 19 00-2683	EA		6" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,676.11	401.00
			<i>For Class 52 Rating, Deduct</i> .....	-447.54	
			<i>For Class 54 Rating, Add</i> .....	617.57	
			<i>For Class 55 Rating, Add</i> .....	921.66	
			<i>For Class 56 Rating, Add</i> .....	1,222.09	
40 05 19 00-2684	EA		6" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,808.04	405.05
			<i>For Class 52 Rating, Deduct</i> .....	-461.38	
			<i>For Class 54 Rating, Add</i> .....	636.51	
			<i>For Class 55 Rating, Add</i> .....	950.06	
			<i>For Class 56 Rating, Add</i> .....	1,259.42	
40 05 19 00-2685	EA		6" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,939.97	409.10
			<i>For Class 52 Rating, Deduct</i> .....	-475.21	
			<i>For Class 54 Rating, Add</i> .....	655.46	
			<i>For Class 55 Rating, Add</i> .....	978.27	
			<i>For Class 56 Rating, Add</i> .....	1,296.75	
40 05 19 00-2686	EA		6" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,071.91	413.15
			<i>For Class 52 Rating, Deduct</i> .....	-489.05	
			<i>For Class 54 Rating, Add</i> .....	674.40	
			<i>For Class 55 Rating, Add</i> .....	1,006.47	
			<i>For Class 56 Rating, Add</i> .....	1,334.08	
40 05 19 00-2687	EA		6" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,203.85	417.20
			<i>For Class 52 Rating, Deduct</i> .....	-502.89	
			<i>For Class 54 Rating, Add</i> .....	693.34	
			<i>For Class 55 Rating, Add</i> .....	1,034.67	
			<i>For Class 56 Rating, Add</i> .....	1,371.42	
40 05 19 00-2688	EA		6" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,335.78	421.25
			<i>For Class 52 Rating, Deduct</i> .....	-516.73	
			<i>For Class 54 Rating, Add</i> .....	712.29	
			<i>For Class 55 Rating, Add</i> .....	1,062.87	
			<i>For Class 56 Rating, Add</i> .....	1,408.75	
40 05 19 00-2689	EA		6" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,467.73	425.30
			<i>For Class 52 Rating, Deduct</i> .....	-530.57	
			<i>For Class 54 Rating, Add</i> .....	731.23	
			<i>For Class 55 Rating, Add</i> .....	1,091.07	
			<i>For Class 56 Rating, Add</i> .....	1,446.08	
40 05 19 00-2690	EA		6" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,599.67	429.35
			<i>For Class 52 Rating, Deduct</i> .....	-544.41	
			<i>For Class 54 Rating, Add</i> .....	750.18	
			<i>For Class 55 Rating, Add</i> .....	1,119.27	
			<i>For Class 56 Rating, Add</i> .....	1,483.42	
40 05 19 00-2691	EA		6" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,731.61	433.40
			<i>For Class 52 Rating, Deduct</i> .....	-558.24	
			<i>For Class 54 Rating, Add</i> .....	769.12	
			<i>For Class 55 Rating, Add</i> .....	1,147.47	
			<i>For Class 56 Rating, Add</i> .....	1,520.75	
40 05 19 00-2692	EA		6" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,863.55	437.45
			<i>For Class 52 Rating, Deduct</i> .....	-572.08	
			<i>For Class 54 Rating, Add</i> .....	788.06	
			<i>For Class 55 Rating, Add</i> .....	1,175.67	
			<i>For Class 56 Rating, Add</i> .....	1,558.08	
40 05 19 00-2693	EA		6" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,995.48	441.51
			<i>For Class 52 Rating, Deduct</i> .....	-585.92	
			<i>For Class 54 Rating, Add</i> .....	807.01	
			<i>For Class 55 Rating, Add</i> .....	1,203.87	
			<i>For Class 56 Rating, Add</i> .....	1,595.41	
40 05 19 00-2694	EA		6" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,127.42	445.56
			<i>For Class 52 Rating, Deduct</i> .....	-599.76	
			<i>For Class 54 Rating, Add</i> .....	825.95	
			<i>For Class 55 Rating, Add</i> .....	1,232.07	
			<i>For Class 56 Rating, Add</i> .....	1,632.74	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2695		<b>8" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
40 05 19 00-2696	EA	8" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,519.56	372.64
		<i>For Class 52 Rating, Deduct</i>	-105.04	
		<i>For Class 54 Rating, Add</i>	150.02	
		<i>For Class 55 Rating, Add</i>	226.50	
		<i>For Class 56 Rating, Add</i>	302.04	
40 05 19 00-2697	EA	8" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,688.67	376.69
		<i>For Class 52 Rating, Deduct</i>	-122.97	
		<i>For Class 54 Rating, Add</i>	174.54	
		<i>For Class 55 Rating, Add</i>	262.99	
		<i>For Class 56 Rating, Add</i>	350.33	
40 05 19 00-2698	EA	8" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,857.78	380.74
		<i>For Class 52 Rating, Deduct</i>	-140.90	
		<i>For Class 54 Rating, Add</i>	199.06	
		<i>For Class 55 Rating, Add</i>	299.48	
		<i>For Class 56 Rating, Add</i>	398.63	
40 05 19 00-2699	EA	8" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,026.88	384.79
		<i>For Class 52 Rating, Deduct</i>	-158.82	
		<i>For Class 54 Rating, Add</i>	223.58	
		<i>For Class 55 Rating, Add</i>	335.97	
		<i>For Class 56 Rating, Add</i>	446.93	
40 05 19 00-2700	EA	8" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,195.99	388.84
		<i>For Class 52 Rating, Deduct</i>	-176.75	
		<i>For Class 54 Rating, Add</i>	248.09	
		<i>For Class 55 Rating, Add</i>	372.46	
		<i>For Class 56 Rating, Add</i>	495.22	
40 05 19 00-2701	EA	8" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,365.10	392.89
		<i>For Class 52 Rating, Deduct</i>	-194.68	
		<i>For Class 54 Rating, Add</i>	272.61	
		<i>For Class 55 Rating, Add</i>	408.95	
		<i>For Class 56 Rating, Add</i>	543.52	
40 05 19 00-2702	EA	8" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,534.21	396.94
		<i>For Class 52 Rating, Deduct</i>	-212.60	
		<i>For Class 54 Rating, Add</i>	297.13	
		<i>For Class 55 Rating, Add</i>	445.44	
		<i>For Class 56 Rating, Add</i>	591.82	
40 05 19 00-2703	EA	8" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,703.32	401.00
		<i>For Class 52 Rating, Deduct</i>	-230.53	
		<i>For Class 54 Rating, Add</i>	321.65	
		<i>For Class 55 Rating, Add</i>	481.93	
		<i>For Class 56 Rating, Add</i>	640.12	
40 05 19 00-2704	EA	8" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,872.41	405.05
		<i>For Class 52 Rating, Deduct</i>	-248.46	
		<i>For Class 54 Rating, Add</i>	346.17	
		<i>For Class 55 Rating, Add</i>	518.42	
		<i>For Class 56 Rating, Add</i>	688.41	
40 05 19 00-2705	EA	8" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,041.51	409.10
		<i>For Class 52 Rating, Deduct</i>	-266.38	
		<i>For Class 54 Rating, Add</i>	370.69	
		<i>For Class 55 Rating, Add</i>	554.91	
		<i>For Class 56 Rating, Add</i>	736.71	
40 05 19 00-2706	EA	8" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,210.62	413.15
		<i>For Class 52 Rating, Deduct</i>	-284.31	
		<i>For Class 54 Rating, Add</i>	395.21	
		<i>For Class 55 Rating, Add</i>	591.40	
		<i>For Class 56 Rating, Add</i>	785.00	
40 05 19 00-2707	EA	8" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,379.73	417.20
		<i>For Class 52 Rating, Deduct</i>	-302.24	
		<i>For Class 54 Rating, Add</i>	419.73	
		<i>For Class 55 Rating, Add</i>	627.89	
		<i>For Class 56 Rating, Add</i>	833.30	
40 05 19 00-2708	EA	8" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,548.83	421.25
		<i>For Class 52 Rating, Deduct</i>	-320.16	
		<i>For Class 54 Rating, Add</i>	444.25	
		<i>For Class 55 Rating, Add</i>	664.38	
		<i>For Class 56 Rating, Add</i>	881.60	
40 05 19 00-2709	EA	8" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,717.94	425.30
		<i>For Class 52 Rating, Deduct</i>	-338.09	
		<i>For Class 54 Rating, Add</i>	468.77	
		<i>For Class 55 Rating, Add</i>	700.87	
		<i>For Class 56 Rating, Add</i>	929.90	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2710	EA		8" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,887.05	429.35
			<i>For Class 52 Rating, Deduct</i> .....	-356.02	
			<i>For Class 54 Rating, Add</i> .....	493.28	
			<i>For Class 55 Rating, Add</i> .....	737.36	
			<i>For Class 56 Rating, Add</i> .....	978.19	
40 05 19 00-2711	EA		8" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,056.16	433.40
			<i>For Class 52 Rating, Deduct</i> .....	-373.94	
			<i>For Class 54 Rating, Add</i> .....	517.80	
			<i>For Class 55 Rating, Add</i> .....	773.65	
			<i>For Class 56 Rating, Add</i> .....	1,026.49	
40 05 19 00-2712	EA		8" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,225.27	437.45
			<i>For Class 52 Rating, Deduct</i> .....	-391.87	
			<i>For Class 54 Rating, Add</i> .....	542.32	
			<i>For Class 55 Rating, Add</i> .....	810.34	
			<i>For Class 56 Rating, Add</i> .....	1,074.79	
40 05 19 00-2713	EA		8" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,394.37	441.51
			<i>For Class 52 Rating, Deduct</i> .....	-409.80	
			<i>For Class 54 Rating, Add</i> .....	566.84	
			<i>For Class 55 Rating, Add</i> .....	846.63	
			<i>For Class 56 Rating, Add</i> .....	1,123.08	
40 05 19 00-2714	EA		8" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,563.48	445.56
			<i>For Class 52 Rating, Deduct</i> .....	-427.72	
			<i>For Class 54 Rating, Add</i> .....	591.36	
			<i>For Class 55 Rating, Add</i> .....	883.32	
			<i>For Class 56 Rating, Add</i> .....	1,171.38	
40 05 19 00-2715	EA		8" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,732.59	449.61
			<i>For Class 52 Rating, Deduct</i> .....	-445.65	
			<i>For Class 54 Rating, Add</i> .....	615.88	
			<i>For Class 55 Rating, Add</i> .....	919.80	
			<i>For Class 56 Rating, Add</i> .....	1,219.68	
40 05 19 00-2716	EA		8" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,901.70	453.65
			<i>For Class 52 Rating, Deduct</i> .....	-463.58	
			<i>For Class 54 Rating, Add</i> .....	640.40	
			<i>For Class 55 Rating, Add</i> .....	956.29	
			<i>For Class 56 Rating, Add</i> .....	1,267.98	
40 05 19 00-2717	EA		8" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,070.80	457.70
			<i>For Class 52 Rating, Deduct</i> .....	-481.50	
			<i>For Class 54 Rating, Add</i> .....	664.92	
			<i>For Class 55 Rating, Add</i> .....	992.78	
			<i>For Class 56 Rating, Add</i> .....	1,316.27	
40 05 19 00-2718	EA		8" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,239.90	461.75
			<i>For Class 52 Rating, Deduct</i> .....	-499.43	
			<i>For Class 54 Rating, Add</i> .....	689.44	
			<i>For Class 55 Rating, Add</i> .....	1,029.27	
			<i>For Class 56 Rating, Add</i> .....	1,364.57	
40 05 19 00-2719	EA		8" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,409.01	465.80
			<i>For Class 52 Rating, Deduct</i> .....	-517.36	
			<i>For Class 54 Rating, Add</i> .....	713.96	
			<i>For Class 55 Rating, Add</i> .....	1,065.76	
			<i>For Class 56 Rating, Add</i> .....	1,412.87	
40 05 19 00-2720	EA		8" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,578.12	469.85
			<i>For Class 52 Rating, Deduct</i> .....	-535.28	
			<i>For Class 54 Rating, Add</i> .....	738.48	
			<i>For Class 55 Rating, Add</i> .....	1,102.25	
			<i>For Class 56 Rating, Add</i> .....	1,461.16	
40 05 19 00-2721	EA		8" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,747.23	473.90
			<i>For Class 52 Rating, Deduct</i> .....	-553.21	
			<i>For Class 54 Rating, Add</i> .....	762.99	
			<i>For Class 55 Rating, Add</i> .....	1,138.74	
			<i>For Class 56 Rating, Add</i> .....	1,509.46	
40 05 19 00-2722	EA		8" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,916.33	477.95
			<i>For Class 52 Rating, Deduct</i> .....	-571.14	
			<i>For Class 54 Rating, Add</i> .....	787.51	
			<i>For Class 55 Rating, Add</i> .....	1,175.23	
			<i>For Class 56 Rating, Add</i> .....	1,557.76	
40 05 19 00-2723	EA		8" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,085.44	482.01
			<i>For Class 52 Rating, Deduct</i> .....	-589.06	
			<i>For Class 54 Rating, Add</i> .....	812.03	
			<i>For Class 55 Rating, Add</i> .....	1,211.72	
			<i>For Class 56 Rating, Add</i> .....	1,606.05	
40 05 19 00-2724	EA		8" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,254.55	486.06
			<i>For Class 52 Rating, Deduct</i> .....	-606.99	
			<i>For Class 54 Rating, Add</i> .....	836.55	
			<i>For Class 55 Rating, Add</i> .....	1,248.21	
			<i>For Class 56 Rating, Add</i> .....	1,654.35	

**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 19 Ductile Iron Process Pipe**



WE FINANCE, BUILD AND DELIVER.

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-2725	EA	8" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	6,423.66	490.11
		<i>For Class 52 Rating, Deduct</i>		-624.92	
		<i>For Class 54 Rating, Add</i>		861.07	
		<i>For Class 55 Rating, Add</i>		1,284.70	
		<i>For Class 56 Rating, Add</i>		1,702.65	
40 05 19 00-2726	EA	8" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	6,592.77	494.16
		<i>For Class 52 Rating, Deduct</i>		-642.84	
		<i>For Class 54 Rating, Add</i>		885.59	
		<i>For Class 55 Rating, Add</i>		1,321.19	
		<i>For Class 56 Rating, Add</i>		1,750.95	
40 05 19 00-2727	EA	8" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	6,761.87	498.21
		<i>For Class 52 Rating, Deduct</i>		-660.77	
		<i>For Class 54 Rating, Add</i>		910.11	
		<i>For Class 55 Rating, Add</i>		1,357.68	
		<i>For Class 56 Rating, Add</i>		1,799.24	
40 05 19 00-2728	EA	8" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	6,930.98	502.26
		<i>For Class 52 Rating, Deduct</i>		-678.70	
		<i>For Class 54 Rating, Add</i>		934.63	
		<i>For Class 55 Rating, Add</i>		1,394.17	
		<i>For Class 56 Rating, Add</i>		1,847.54	
40 05 19 00-2729	EA	8" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	7,100.09	506.31
		<i>For Class 52 Rating, Deduct</i>		-696.62	
		<i>For Class 54 Rating, Add</i>		959.15	
		<i>For Class 55 Rating, Add</i>		1,430.66	
		<i>For Class 56 Rating, Add</i>		1,895.84	
40 05 19 00-2730	EA	8" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	7,269.20	510.36
		<i>For Class 52 Rating, Deduct</i>		-714.55	
		<i>For Class 54 Rating, Add</i>		983.67	
		<i>For Class 55 Rating, Add</i>		1,467.15	
		<i>For Class 56 Rating, Add</i>		1,944.13	
40 05 19 00-2731	EA	8" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	7,438.29	514.41
		<i>For Class 52 Rating, Deduct</i>		-732.48	
		<i>For Class 54 Rating, Add</i>		1,008.19	
		<i>For Class 55 Rating, Add</i>		1,503.64	
		<i>For Class 56 Rating, Add</i>		1,992.43	
40 05 19 00-2732	EA	8" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	7,607.40	518.46
		<i>For Class 52 Rating, Deduct</i>		-750.40	
		<i>For Class 54 Rating, Add</i>		1,032.71	
		<i>For Class 55 Rating, Add</i>		1,540.13	
		<i>For Class 56 Rating, Add</i>		2,040.73	
40 05 19 00-2733	EA	8" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	7,776.51	522.51
		<i>For Class 52 Rating, Deduct</i>		-768.33	
		<i>For Class 54 Rating, Add</i>		1,057.22	
		<i>For Class 55 Rating, Add</i>		1,576.62	
		<i>For Class 56 Rating, Add</i>		2,089.03	
40 05 19 00-2734	EA	8" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	7,945.62	526.57
		<i>For Class 52 Rating, Deduct</i>		-786.26	
		<i>For Class 54 Rating, Add</i>		1,081.74	
		<i>For Class 55 Rating, Add</i>		1,613.11	
		<i>For Class 56 Rating, Add</i>		2,137.32	
40 05 19 00-2735		10" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2614)</small>			
40 05 19 00-2736	EA	10" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	1,905.35	453.65
		<i>For Class 52 Rating, Deduct</i>		-133.98	
		<i>For Class 54 Rating, Add</i>		190.95	
		<i>For Class 55 Rating, Add</i>		288.11	
		<i>For Class 56 Rating, Add</i>		384.05	
40 05 19 00-2737	EA	10" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	2,123.05	457.70
		<i>For Class 52 Rating, Deduct</i>		-157.25	
		<i>For Class 54 Rating, Add</i>		222.76	
		<i>For Class 55 Rating, Add</i>		335.44	
		<i>For Class 56 Rating, Add</i>		446.69	
40 05 19 00-2738	EA	10" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	2,340.75	461.75
		<i>For Class 52 Rating, Deduct</i>		-180.52	
		<i>For Class 54 Rating, Add</i>		254.56	
		<i>For Class 55 Rating, Add</i>		382.76	
		<i>For Class 56 Rating, Add</i>		509.32	
40 05 19 00-2739	EA	10" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	.....	2,558.47	465.80
		<i>For Class 52 Rating, Deduct</i>		-203.80	
		<i>For Class 54 Rating, Add</i>		286.38	
		<i>For Class 55 Rating, Add</i>		430.09	
		<i>For Class 56 Rating, Add</i>		571.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2740	EA		10" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,776.18	469.85
			<i>For Class 52 Rating, Deduct</i> .....	-227.07	
			<i>For Class 54 Rating, Add</i> .....	318.18	
			<i>For Class 55 Rating, Add</i> .....	477.42	
			<i>For Class 56 Rating, Add</i> .....	634.59	
40 05 19 00-2741	EA		10" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	2,993.90	473.90
			<i>For Class 52 Rating, Deduct</i> .....	-250.34	
			<i>For Class 54 Rating, Add</i> .....	350.00	
			<i>For Class 55 Rating, Add</i> .....	524.75	
			<i>For Class 56 Rating, Add</i> .....	697.23	
40 05 19 00-2742	EA		10" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,211.60	477.95
			<i>For Class 52 Rating, Deduct</i> .....	-273.62	
			<i>For Class 54 Rating, Add</i> .....	381.80	
			<i>For Class 55 Rating, Add</i> .....	572.08	
			<i>For Class 56 Rating, Add</i> .....	759.86	
40 05 19 00-2743	EA		10" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,429.32	482.01
			<i>For Class 52 Rating, Deduct</i> .....	-296.89	
			<i>For Class 54 Rating, Add</i> .....	413.62	
			<i>For Class 55 Rating, Add</i> .....	619.41	
			<i>For Class 56 Rating, Add</i> .....	822.50	
40 05 19 00-2744	EA		10" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,647.03	486.06
			<i>For Class 52 Rating, Deduct</i> .....	-320.16	
			<i>For Class 54 Rating, Add</i> .....	445.42	
			<i>For Class 55 Rating, Add</i> .....	666.73	
			<i>For Class 56 Rating, Add</i> .....	885.13	
40 05 19 00-2745	EA		10" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	3,864.75	490.11
			<i>For Class 52 Rating, Deduct</i> .....	-343.44	
			<i>For Class 54 Rating, Add</i> .....	477.24	
			<i>For Class 55 Rating, Add</i> .....	714.06	
			<i>For Class 56 Rating, Add</i> .....	947.77	
40 05 19 00-2746	EA		10" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,082.46	494.16
			<i>For Class 52 Rating, Deduct</i> .....	-366.71	
			<i>For Class 54 Rating, Add</i> .....	509.04	
			<i>For Class 55 Rating, Add</i> .....	761.39	
			<i>For Class 56 Rating, Add</i> .....	1,010.40	
40 05 19 00-2747	EA		10" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,300.17	498.21
			<i>For Class 52 Rating, Deduct</i> .....	-389.98	
			<i>For Class 54 Rating, Add</i> .....	540.85	
			<i>For Class 55 Rating, Add</i> .....	808.72	
			<i>For Class 56 Rating, Add</i> .....	1,073.04	
40 05 19 00-2748	EA		10" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,517.88	502.26
			<i>For Class 52 Rating, Deduct</i> .....	-413.26	
			<i>For Class 54 Rating, Add</i> .....	572.66	
			<i>For Class 55 Rating, Add</i> .....	856.05	
			<i>For Class 56 Rating, Add</i> .....	1,135.68	
40 05 19 00-2749	EA		10" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,735.60	506.31
			<i>For Class 52 Rating, Deduct</i> .....	-436.53	
			<i>For Class 54 Rating, Add</i> .....	604.47	
			<i>For Class 55 Rating, Add</i> .....	903.38	
			<i>For Class 56 Rating, Add</i> .....	1,198.31	
40 05 19 00-2750	EA		10" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	4,953.31	510.36
			<i>For Class 52 Rating, Deduct</i> .....	-459.80	
			<i>For Class 54 Rating, Add</i> .....	636.28	
			<i>For Class 55 Rating, Add</i> .....	950.71	
			<i>For Class 56 Rating, Add</i> .....	1,260.95	
40 05 19 00-2751	EA		10" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,171.01	514.41
			<i>For Class 52 Rating, Deduct</i> .....	-483.08	
			<i>For Class 54 Rating, Add</i> .....	668.09	
			<i>For Class 55 Rating, Add</i> .....	998.03	
			<i>For Class 56 Rating, Add</i> .....	1,323.58	
40 05 19 00-2752	EA		10" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,388.72	518.46
			<i>For Class 52 Rating, Deduct</i> .....	-506.35	
			<i>For Class 54 Rating, Add</i> .....	699.90	
			<i>For Class 55 Rating, Add</i> .....	1,045.36	
			<i>For Class 56 Rating, Add</i> .....	1,386.22	
40 05 19 00-2753	EA		10" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,606.44	522.51
			<i>For Class 52 Rating, Deduct</i> .....	-529.62	
			<i>For Class 54 Rating, Add</i> .....	731.71	
			<i>For Class 55 Rating, Add</i> .....	1,092.69	
			<i>For Class 56 Rating, Add</i> .....	1,448.85	
40 05 19 00-2754	EA		10" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,824.15	526.57
			<i>For Class 52 Rating, Deduct</i> .....	-552.90	
			<i>For Class 54 Rating, Add</i> .....	763.52	
			<i>For Class 55 Rating, Add</i> .....	1,140.02	
			<i>For Class 56 Rating, Add</i> .....	1,511.49	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2755	EA	10"	Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,041.87	530.62
			<i>For Class 52 Rating, Deduct</i>	-576.17	
			<i>For Class 54 Rating, Add</i>	795.33	
			<i>For Class 55 Rating, Add</i>	1,187.35	
			<i>For Class 56 Rating, Add</i>	1,574.13	
40 05 19 00-2756	EA	10"	Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,259.57	534.66
			<i>For Class 52 Rating, Deduct</i>	-599.44	
			<i>For Class 54 Rating, Add</i>	827.14	
			<i>For Class 55 Rating, Add</i>	1,234.68	
			<i>For Class 56 Rating, Add</i>	1,636.76	
40 05 19 00-2757	EA	10"	Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,477.29	538.71
			<i>For Class 52 Rating, Deduct</i>	-622.72	
			<i>For Class 54 Rating, Add</i>	858.95	
			<i>For Class 55 Rating, Add</i>	1,282.01	
			<i>For Class 56 Rating, Add</i>	1,699.40	
40 05 19 00-2758	EA	10"	Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,695.00	542.76
			<i>For Class 52 Rating, Deduct</i>	-645.99	
			<i>For Class 54 Rating, Add</i>	890.76	
			<i>For Class 55 Rating, Add</i>	1,329.33	
			<i>For Class 56 Rating, Add</i>	1,762.03	
40 05 19 00-2759	EA	10"	Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,912.72	546.81
			<i>For Class 52 Rating, Deduct</i>	-669.26	
			<i>For Class 54 Rating, Add</i>	922.57	
			<i>For Class 55 Rating, Add</i>	1,376.66	
			<i>For Class 56 Rating, Add</i>	1,824.67	
40 05 19 00-2760	EA	10"	Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,130.42	550.86
			<i>For Class 52 Rating, Deduct</i>	-692.54	
			<i>For Class 54 Rating, Add</i>	954.38	
			<i>For Class 55 Rating, Add</i>	1,423.99	
			<i>For Class 56 Rating, Add</i>	1,887.30	
40 05 19 00-2761	EA	10"	Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,348.14	554.91
			<i>For Class 52 Rating, Deduct</i>	-715.81	
			<i>For Class 54 Rating, Add</i>	986.19	
			<i>For Class 55 Rating, Add</i>	1,471.32	
			<i>For Class 56 Rating, Add</i>	1,949.94	
40 05 19 00-2762	EA	10"	Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,565.85	558.96
			<i>For Class 52 Rating, Deduct</i>	-739.08	
			<i>For Class 54 Rating, Add</i>	1,018.00	
			<i>For Class 55 Rating, Add</i>	1,518.65	
			<i>For Class 56 Rating, Add</i>	2,012.57	
40 05 19 00-2763	EA	10"	Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,783.57	563.01
			<i>For Class 52 Rating, Deduct</i>	-762.36	
			<i>For Class 54 Rating, Add</i>	1,049.81	
			<i>For Class 55 Rating, Add</i>	1,565.98	
			<i>For Class 56 Rating, Add</i>	2,075.21	
40 05 19 00-2764	EA	10"	Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,001.28	567.07
			<i>For Class 52 Rating, Deduct</i>	-785.63	
			<i>For Class 54 Rating, Add</i>	1,081.62	
			<i>For Class 55 Rating, Add</i>	1,613.30	
			<i>For Class 56 Rating, Add</i>	2,137.84	
40 05 19 00-2765	EA	10"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,218.98	571.12
			<i>For Class 52 Rating, Deduct</i>	-808.90	
			<i>For Class 54 Rating, Add</i>	1,113.43	
			<i>For Class 55 Rating, Add</i>	1,660.63	
			<i>For Class 56 Rating, Add</i>	2,200.48	
40 05 19 00-2766	EA	10"	Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,436.69	575.17
			<i>For Class 52 Rating, Deduct</i>	-832.18	
			<i>For Class 54 Rating, Add</i>	1,145.24	
			<i>For Class 55 Rating, Add</i>	1,707.96	
			<i>For Class 56 Rating, Add</i>	2,263.12	
40 05 19 00-2767	EA	10"	Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,654.41	579.22
			<i>For Class 52 Rating, Deduct</i>	-855.45	
			<i>For Class 54 Rating, Add</i>	1,177.05	
			<i>For Class 55 Rating, Add</i>	1,755.29	
			<i>For Class 56 Rating, Add</i>	2,325.75	
40 05 19 00-2768	EA	10"	Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,872.12	583.27
			<i>For Class 52 Rating, Deduct</i>	-878.72	
			<i>For Class 54 Rating, Add</i>	1,208.86	
			<i>For Class 55 Rating, Add</i>	1,802.62	
			<i>For Class 56 Rating, Add</i>	2,388.39	
40 05 19 00-2769	EA	10"	Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,089.84	587.32
			<i>For Class 52 Rating, Deduct</i>	-902.00	
			<i>For Class 54 Rating, Add</i>	1,240.67	
			<i>For Class 55 Rating, Add</i>	1,849.95	
			<i>For Class 56 Rating, Add</i>	2,451.02	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2770	EA		10" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,307.54	591.37
			<i>For Class 52 Rating, Deduct</i> .....	-925.27	
			<i>For Class 54 Rating, Add</i> .....	1,272.48	
			<i>For Class 55 Rating, Add</i> .....	1,897.28	
			<i>For Class 56 Rating, Add</i> .....	2,513.66	
40 05 19 00-2771	EA		10" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,525.26	595.42
			<i>For Class 52 Rating, Deduct</i> .....	-948.54	
			<i>For Class 54 Rating, Add</i> .....	1,304.29	
			<i>For Class 55 Rating, Add</i> .....	1,944.61	
			<i>For Class 56 Rating, Add</i> .....	2,576.29	
40 05 19 00-2772	EA		10" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,742.97	599.47
			<i>For Class 52 Rating, Deduct</i> .....	-971.81	
			<i>For Class 54 Rating, Add</i> .....	1,336.10	
			<i>For Class 55 Rating, Add</i> .....	1,991.93	
			<i>For Class 56 Rating, Add</i> .....	2,638.93	
40 05 19 00-2773	EA		10" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,960.69	603.52
			<i>For Class 52 Rating, Deduct</i> .....	-995.09	
			<i>For Class 54 Rating, Add</i> .....	1,367.91	
			<i>For Class 55 Rating, Add</i> .....	2,039.26	
			<i>For Class 56 Rating, Add</i> .....	2,701.57	
40 05 19 00-2774	EA		10" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,178.39	607.58
			<i>For Class 52 Rating, Deduct</i> .....	-1,018.36	
			<i>For Class 54 Rating, Add</i> .....	1,399.72	
			<i>For Class 55 Rating, Add</i> .....	2,086.59	
			<i>For Class 56 Rating, Add</i> .....	2,764.20	
<b>40 05 19 00-2775</b>			<b>12" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2614)</small>		
40 05 19 00-2776	EA		12" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,460.31	567.07
			<i>For Class 52 Rating, Deduct</i> .....	-176.12	
			<i>For Class 54 Rating, Add</i> .....	250.48	
			<i>For Class 55 Rating, Add</i> .....	377.67	
			<i>For Class 56 Rating, Add</i> .....	503.26	
40 05 19 00-2777	EA		12" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,729.47	571.12
			<i>For Class 52 Rating, Deduct</i> .....	-205.06	
			<i>For Class 54 Rating, Add</i> .....	290.01	
			<i>For Class 55 Rating, Add</i> .....	436.47	
			<i>For Class 56 Rating, Add</i> .....	581.08	
40 05 19 00-2778	EA		12" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,998.65	575.17
			<i>For Class 52 Rating, Deduct</i> .....	-233.99	
			<i>For Class 54 Rating, Add</i> .....	329.54	
			<i>For Class 55 Rating, Add</i> .....	495.28	
			<i>For Class 56 Rating, Add</i> .....	658.89	
40 05 19 00-2779	EA		12" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,267.82	579.22
			<i>For Class 52 Rating, Deduct</i> .....	-262.92	
			<i>For Class 54 Rating, Add</i> .....	369.06	
			<i>For Class 55 Rating, Add</i> .....	554.08	
			<i>For Class 56 Rating, Add</i> .....	736.71	
40 05 19 00-2780	EA		12" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,537.00	583.27
			<i>For Class 52 Rating, Deduct</i> .....	-291.86	
			<i>For Class 54 Rating, Add</i> .....	408.59	
			<i>For Class 55 Rating, Add</i> .....	612.89	
			<i>For Class 56 Rating, Add</i> .....	814.53	
40 05 19 00-2781	EA		12" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,806.18	587.32
			<i>For Class 52 Rating, Deduct</i> .....	-320.79	
			<i>For Class 54 Rating, Add</i> .....	448.12	
			<i>For Class 55 Rating, Add</i> .....	671.69	
			<i>For Class 56 Rating, Add</i> .....	892.34	
40 05 19 00-2782	EA		12" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,075.35	591.37
			<i>For Class 52 Rating, Deduct</i> .....	-349.73	
			<i>For Class 54 Rating, Add</i> .....	487.65	
			<i>For Class 55 Rating, Add</i> .....	730.50	
			<i>For Class 56 Rating, Add</i> .....	970.16	
40 05 19 00-2783	EA		12" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,344.53	595.42
			<i>For Class 52 Rating, Deduct</i> .....	-378.66	
			<i>For Class 54 Rating, Add</i> .....	527.18	
			<i>For Class 55 Rating, Add</i> .....	789.30	
			<i>For Class 56 Rating, Add</i> .....	1,047.98	
40 05 19 00-2784	EA		12" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,613.71	599.47
			<i>For Class 52 Rating, Deduct</i> .....	-407.60	
			<i>For Class 54 Rating, Add</i> .....	566.71	
			<i>For Class 55 Rating, Add</i> .....	848.11	
			<i>For Class 56 Rating, Add</i> .....	1,125.80	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-2785	EA	12"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,882.89	603.52
			<i>For Class 52 Rating, Deduct</i> .....	-436.53	
			<i>For Class 54 Rating, Add</i> .....	606.24	
			<i>For Class 55 Rating, Add</i> .....	906.91	
			<i>For Class 56 Rating, Add</i> .....	1,203.62	
40 05 19 00-2786	EA	12"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,152.06	607.58
			<i>For Class 52 Rating, Deduct</i> .....	-465.47	
			<i>For Class 54 Rating, Add</i> .....	645.77	
			<i>For Class 55 Rating, Add</i> .....	965.72	
			<i>For Class 56 Rating, Add</i> .....	1,281.43	
40 05 19 00-2787	EA	12"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,421.24	611.63
			<i>For Class 52 Rating, Deduct</i> .....	-494.40	
			<i>For Class 54 Rating, Add</i> .....	685.30	
			<i>For Class 55 Rating, Add</i> .....	1,024.52	
			<i>For Class 56 Rating, Add</i> .....	1,359.25	
40 05 19 00-2788	EA	12"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,690.42	615.67
			<i>For Class 52 Rating, Deduct</i> .....	-523.33	
			<i>For Class 54 Rating, Add</i> .....	724.83	
			<i>For Class 55 Rating, Add</i> .....	1,083.33	
			<i>For Class 56 Rating, Add</i> .....	1,437.07	
40 05 19 00-2789	EA	12"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,959.59	619.72
			<i>For Class 52 Rating, Deduct</i> .....	-552.27	
			<i>For Class 54 Rating, Add</i> .....	764.36	
			<i>For Class 55 Rating, Add</i> .....	1,142.13	
			<i>For Class 56 Rating, Add</i> .....	1,514.88	
40 05 19 00-2790	EA	12"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,228.76	623.77
			<i>For Class 52 Rating, Deduct</i> .....	-581.20	
			<i>For Class 54 Rating, Add</i> .....	803.89	
			<i>For Class 55 Rating, Add</i> .....	1,200.94	
			<i>For Class 56 Rating, Add</i> .....	1,592.70	
40 05 19 00-2791	EA	12"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,497.93	627.82
			<i>For Class 52 Rating, Deduct</i> .....	-610.14	
			<i>For Class 54 Rating, Add</i> .....	843.42	
			<i>For Class 55 Rating, Add</i> .....	1,259.74	
			<i>For Class 56 Rating, Add</i> .....	1,670.52	
40 05 19 00-2792	EA	12"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,767.11	631.87
			<i>For Class 52 Rating, Deduct</i> .....	-639.07	
			<i>For Class 54 Rating, Add</i> .....	882.95	
			<i>For Class 55 Rating, Add</i> .....	1,318.55	
			<i>For Class 56 Rating, Add</i> .....	1,748.34	
40 05 19 00-2793	EA	12"	Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,036.29	635.92
			<i>For Class 52 Rating, Deduct</i> .....	-668.00	
			<i>For Class 54 Rating, Add</i> .....	922.48	
			<i>For Class 55 Rating, Add</i> .....	1,377.35	
			<i>For Class 56 Rating, Add</i> .....	1,826.15	
40 05 19 00-2794	EA	12"	Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,305.47	639.97
			<i>For Class 52 Rating, Deduct</i> .....	-696.94	
			<i>For Class 54 Rating, Add</i> .....	962.01	
			<i>For Class 55 Rating, Add</i> .....	1,436.16	
			<i>For Class 56 Rating, Add</i> .....	1,903.97	
40 05 19 00-2795	EA	12"	Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,574.65	644.02
			<i>For Class 52 Rating, Deduct</i> .....	-725.87	
			<i>For Class 54 Rating, Add</i> .....	1,001.54	
			<i>For Class 55 Rating, Add</i> .....	1,494.96	
			<i>For Class 56 Rating, Add</i> .....	1,981.79	
40 05 19 00-2796	EA	12"	Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,843.82	648.07
			<i>For Class 52 Rating, Deduct</i> .....	-754.81	
			<i>For Class 54 Rating, Add</i> .....	1,041.07	
			<i>For Class 55 Rating, Add</i> .....	1,553.77	
			<i>For Class 56 Rating, Add</i> .....	2,059.61	
40 05 19 00-2797	EA	12"	Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,113.00	652.13
			<i>For Class 52 Rating, Deduct</i> .....	-783.74	
			<i>For Class 54 Rating, Add</i> .....	1,080.60	
			<i>For Class 55 Rating, Add</i> .....	1,612.57	
			<i>For Class 56 Rating, Add</i> .....	2,137.42	
40 05 19 00-2798	EA	12"	Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,382.18	656.18
			<i>For Class 52 Rating, Deduct</i> .....	-812.68	
			<i>For Class 54 Rating, Add</i> .....	1,120.13	
			<i>For Class 55 Rating, Add</i> .....	1,671.38	
			<i>For Class 56 Rating, Add</i> .....	2,215.24	
40 05 19 00-2799	EA	12"	Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,651.36	660.23
			<i>For Class 52 Rating, Deduct</i> .....	-841.61	
			<i>For Class 54 Rating, Add</i> .....	1,159.66	
			<i>For Class 55 Rating, Add</i> .....	1,730.18	
			<i>For Class 56 Rating, Add</i> .....	2,293.06	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2800	EA		12" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	8,920.52	664.28
			For Class 52 Rating, Deduct	-870.54	
			For Class 54 Rating, Add	1,199.18	
			For Class 55 Rating, Add	1,788.99	
			For Class 56 Rating, Add	2,370.88	
40 05 19 00-2801	EA		12" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,189.70	668.33
			For Class 52 Rating, Deduct	-899.48	
			For Class 54 Rating, Add	1,238.71	
			For Class 55 Rating, Add	1,847.79	
			For Class 56 Rating, Add	2,448.69	
40 05 19 00-2802	EA		12" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,458.88	672.38
			For Class 52 Rating, Deduct	-928.41	
			For Class 54 Rating, Add	1,278.24	
			For Class 55 Rating, Add	1,906.60	
			For Class 56 Rating, Add	2,526.51	
40 05 19 00-2803	EA		12" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,728.06	676.43
			For Class 52 Rating, Deduct	-957.35	
			For Class 54 Rating, Add	1,317.77	
			For Class 55 Rating, Add	1,965.40	
			For Class 56 Rating, Add	2,604.33	
40 05 19 00-2804	EA		12" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,997.23	680.48
			For Class 52 Rating, Deduct	-986.28	
			For Class 54 Rating, Add	1,357.30	
			For Class 55 Rating, Add	2,024.21	
			For Class 56 Rating, Add	2,682.15	
40 05 19 00-2805	EA		12" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,266.40	684.53
			For Class 52 Rating, Deduct	-1,015.22	
			For Class 54 Rating, Add	1,396.83	
			For Class 55 Rating, Add	2,083.01	
			For Class 56 Rating, Add	2,759.96	
40 05 19 00-2806	EA		12" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,535.58	688.58
			For Class 52 Rating, Deduct	-1,044.15	
			For Class 54 Rating, Add	1,436.36	
			For Class 55 Rating, Add	2,141.82	
			For Class 56 Rating, Add	2,837.78	
40 05 19 00-2807	EA		12" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,804.76	692.64
			For Class 52 Rating, Deduct	-1,073.09	
			For Class 54 Rating, Add	1,475.89	
			For Class 55 Rating, Add	2,200.62	
			For Class 56 Rating, Add	2,915.60	
40 05 19 00-2808	EA		12" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,073.94	696.69
			For Class 52 Rating, Deduct	-1,102.02	
			For Class 54 Rating, Add	1,515.42	
			For Class 55 Rating, Add	2,259.43	
			For Class 56 Rating, Add	2,993.42	
40 05 19 00-2809	EA		12" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,343.11	700.73
			For Class 52 Rating, Deduct	-1,130.95	
			For Class 54 Rating, Add	1,554.95	
			For Class 55 Rating, Add	2,318.23	
			For Class 56 Rating, Add	3,071.23	
40 05 19 00-2810	EA		12" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,612.28	704.78
			For Class 52 Rating, Deduct	-1,159.89	
			For Class 54 Rating, Add	1,594.48	
			For Class 55 Rating, Add	2,377.04	
			For Class 56 Rating, Add	3,149.05	
40 05 19 00-2811	EA		12" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,881.46	708.83
			For Class 52 Rating, Deduct	-1,188.82	
			For Class 54 Rating, Add	1,634.01	
			For Class 55 Rating, Add	2,435.84	
			For Class 56 Rating, Add	3,226.87	
40 05 19 00-2812	EA		12" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,150.64	712.88
			For Class 52 Rating, Deduct	-1,217.76	
			For Class 54 Rating, Add	1,673.54	
			For Class 55 Rating, Add	2,494.65	
			For Class 56 Rating, Add	3,304.69	
40 05 19 00-2813	EA		12" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,419.82	716.93
			For Class 52 Rating, Deduct	-1,246.69	
			For Class 54 Rating, Add	1,713.07	
			For Class 55 Rating, Add	2,553.45	
			For Class 56 Rating, Add	3,382.50	
40 05 19 00-2814	EA		12" Flanged x Grooved (FxG), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,688.99	720.98
			For Class 52 Rating, Deduct	-1,275.62	
			For Class 54 Rating, Add	1,752.60	
			For Class 55 Rating, Add	2,612.26	
			For Class 56 Rating, Add	3,460.32	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2815		14" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2614)</small>		
40 05 19 00-2816	EA	14" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,392.66	680.48
		For Class 52 Rating, Deduct	-259.78	
		For Class 54 Rating, Add	366.62	
		For Class 55 Rating, Add	551.39	
		For Class 56 Rating, Add	733.80	
40 05 19 00-2817	EA	14" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,719.01	684.53
		For Class 52 Rating, Deduct	-295.00	
		For Class 54 Rating, Add	414.72	
		For Class 55 Rating, Add	622.94	
		For Class 56 Rating, Add	828.48	
40 05 19 00-2818	EA	14" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,045.38	688.58
		For Class 52 Rating, Deduct	-330.23	
		For Class 54 Rating, Add	462.83	
		For Class 55 Rating, Add	694.50	
		For Class 56 Rating, Add	923.17	
40 05 19 00-2819	EA	14" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,371.74	692.64
		For Class 52 Rating, Deduct	-365.45	
		For Class 54 Rating, Add	510.94	
		For Class 55 Rating, Add	766.06	
		For Class 56 Rating, Add	1,017.86	
40 05 19 00-2820	EA	14" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,698.10	696.69
		For Class 52 Rating, Deduct	-400.68	
		For Class 54 Rating, Add	559.04	
		For Class 55 Rating, Add	837.62	
		For Class 56 Rating, Add	1,112.54	
40 05 19 00-2821	EA	14" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,024.45	700.73
		For Class 52 Rating, Deduct	-435.90	
		For Class 54 Rating, Add	607.15	
		For Class 55 Rating, Add	909.17	
		For Class 56 Rating, Add	1,207.23	
40 05 19 00-2822	EA	14" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,350.81	704.78
		For Class 52 Rating, Deduct	-471.13	
		For Class 54 Rating, Add	655.26	
		For Class 55 Rating, Add	980.73	
		For Class 56 Rating, Add	1,301.92	
40 05 19 00-2823	EA	14" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,677.17	708.83
		For Class 52 Rating, Deduct	-506.35	
		For Class 54 Rating, Add	703.36	
		For Class 55 Rating, Add	1,052.28	
		For Class 56 Rating, Add	1,396.60	
40 05 19 00-2824	EA	14" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,003.53	712.88
		For Class 52 Rating, Deduct	-541.57	
		For Class 54 Rating, Add	751.47	
		For Class 55 Rating, Add	1,123.84	
		For Class 56 Rating, Add	1,491.29	
40 05 19 00-2825	EA	14" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,329.90	716.93
		For Class 52 Rating, Deduct	-576.80	
		For Class 54 Rating, Add	799.58	
		For Class 55 Rating, Add	1,195.40	
		For Class 56 Rating, Add	1,585.98	
40 05 19 00-2826	EA	14" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,656.25	720.98
		For Class 52 Rating, Deduct	-612.02	
		For Class 54 Rating, Add	847.69	
		For Class 55 Rating, Add	1,266.96	
		For Class 56 Rating, Add	1,680.66	
40 05 19 00-2827	EA	14" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,982.61	725.03
		For Class 52 Rating, Deduct	-647.25	
		For Class 54 Rating, Add	895.79	
		For Class 55 Rating, Add	1,338.51	
		For Class 56 Rating, Add	1,775.35	
40 05 19 00-2828	EA	14" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,308.97	729.08
		For Class 52 Rating, Deduct	-682.47	
		For Class 54 Rating, Add	943.90	
		For Class 55 Rating, Add	1,410.07	
		For Class 56 Rating, Add	1,870.03	
40 05 19 00-2829	EA	14" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,635.32	733.14
		For Class 52 Rating, Deduct	-717.70	
		For Class 54 Rating, Add	992.01	
		For Class 55 Rating, Add	1,481.63	
		For Class 56 Rating, Add	1,964.72	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2830	EA		14" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,961.68	737.19
			<i>For Class 52 Rating, Deduct</i> .....	-752.92	
			<i>For Class 54 Rating, Add</i> .....	1,040.11	
			<i>For Class 55 Rating, Add</i> .....	1,553.18	
			<i>For Class 56 Rating, Add</i> .....	2,059.41	
40 05 19 00-2831	EA		14" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,288.03	741.24
			<i>For Class 52 Rating, Deduct</i> .....	-788.14	
			<i>For Class 54 Rating, Add</i> .....	1,088.22	
			<i>For Class 55 Rating, Add</i> .....	1,624.74	
			<i>For Class 56 Rating, Add</i> .....	2,154.09	
40 05 19 00-2832	EA		14" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,614.40	745.29
			<i>For Class 52 Rating, Deduct</i> .....	-823.37	
			<i>For Class 54 Rating, Add</i> .....	1,136.33	
			<i>For Class 55 Rating, Add</i> .....	1,696.30	
			<i>For Class 56 Rating, Add</i> .....	2,248.78	
40 05 19 00-2833	EA		14" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,940.76	749.34
			<i>For Class 52 Rating, Deduct</i> .....	-858.59	
			<i>For Class 54 Rating, Add</i> .....	1,184.43	
			<i>For Class 55 Rating, Add</i> .....	1,767.85	
			<i>For Class 56 Rating, Add</i> .....	2,343.47	
40 05 19 00-2834	EA		14" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,267.12	753.39
			<i>For Class 52 Rating, Deduct</i> .....	-893.82	
			<i>For Class 54 Rating, Add</i> .....	1,232.54	
			<i>For Class 55 Rating, Add</i> .....	1,839.41	
			<i>For Class 56 Rating, Add</i> .....	2,438.15	
40 05 19 00-2835	EA		14" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,593.47	757.44
			<i>For Class 52 Rating, Deduct</i> .....	-929.04	
			<i>For Class 54 Rating, Add</i> .....	1,280.65	
			<i>For Class 55 Rating, Add</i> .....	1,910.97	
			<i>For Class 56 Rating, Add</i> .....	2,532.84	
40 05 19 00-2836	EA		14" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,919.83	761.49
			<i>For Class 52 Rating, Deduct</i> .....	-964.27	
			<i>For Class 54 Rating, Add</i> .....	1,328.75	
			<i>For Class 55 Rating, Add</i> .....	1,982.52	
			<i>For Class 56 Rating, Add</i> .....	2,627.52	
40 05 19 00-2837	EA		14" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,246.19	765.54
			<i>For Class 52 Rating, Deduct</i> .....	-999.49	
			<i>For Class 54 Rating, Add</i> .....	1,376.86	
			<i>For Class 55 Rating, Add</i> .....	2,054.08	
			<i>For Class 56 Rating, Add</i> .....	2,722.21	
40 05 19 00-2838	EA		14" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,572.55	769.59
			<i>For Class 52 Rating, Deduct</i> .....	-1,034.72	
			<i>For Class 54 Rating, Add</i> .....	1,424.97	
			<i>For Class 55 Rating, Add</i> .....	2,125.63	
			<i>For Class 56 Rating, Add</i> .....	2,816.90	
40 05 19 00-2839	EA		14" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,898.92	773.64
			<i>For Class 52 Rating, Deduct</i> .....	-1,069.94	
			<i>For Class 54 Rating, Add</i> .....	1,473.08	
			<i>For Class 55 Rating, Add</i> .....	2,197.19	
			<i>For Class 56 Rating, Add</i> .....	2,911.58	
40 05 19 00-2840	EA		14" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,225.27	777.70
			<i>For Class 52 Rating, Deduct</i> .....	-1,105.16	
			<i>For Class 54 Rating, Add</i> .....	1,521.18	
			<i>For Class 55 Rating, Add</i> .....	2,268.75	
			<i>For Class 56 Rating, Add</i> .....	3,006.27	
40 05 19 00-2841	EA		14" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,551.63	781.74
			<i>For Class 52 Rating, Deduct</i> .....	-1,140.39	
			<i>For Class 54 Rating, Add</i> .....	1,569.29	
			<i>For Class 55 Rating, Add</i> .....	2,340.31	
			<i>For Class 56 Rating, Add</i> .....	3,100.96	
40 05 19 00-2842	EA		14" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,877.98	785.79
			<i>For Class 52 Rating, Deduct</i> .....	-1,175.61	
			<i>For Class 54 Rating, Add</i> .....	1,617.40	
			<i>For Class 55 Rating, Add</i> .....	2,411.86	
			<i>For Class 56 Rating, Add</i> .....	3,195.64	
40 05 19 00-2843	EA		14" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,204.34	789.84
			<i>For Class 52 Rating, Deduct</i> .....	-1,210.84	
			<i>For Class 54 Rating, Add</i> .....	1,665.50	
			<i>For Class 55 Rating, Add</i> .....	2,483.42	
			<i>For Class 56 Rating, Add</i> .....	3,290.33	
40 05 19 00-2844	EA		14" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,530.69	793.89
			<i>For Class 52 Rating, Deduct</i> .....	-1,246.06	
			<i>For Class 54 Rating, Add</i> .....	1,713.61	
			<i>For Class 55 Rating, Add</i> .....	2,654.97	
			<i>For Class 56 Rating, Add</i> .....	3,385.01	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-2845	EA		14" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,857.05	797.94
			<i>For Class 52 Rating, Deduct</i>	-1,281.29	
			<i>For Class 54 Rating, Add</i>	1,761.72	
			<i>For Class 55 Rating, Add</i>	2,626.53	
			<i>For Class 56 Rating, Add</i>	3,479.70	
40 05 19 00-2846	EA		14" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,183.42	801.99
			<i>For Class 52 Rating, Deduct</i>	-1,316.51	
			<i>For Class 54 Rating, Add</i>	1,809.82	
			<i>For Class 55 Rating, Add</i>	2,698.09	
			<i>For Class 56 Rating, Add</i>	3,574.39	
40 05 19 00-2847	EA		14" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,509.78	806.04
			<i>For Class 52 Rating, Deduct</i>	-1,351.74	
			<i>For Class 54 Rating, Add</i>	1,857.93	
			<i>For Class 55 Rating, Add</i>	2,769.65	
			<i>For Class 56 Rating, Add</i>	3,669.07	
40 05 19 00-2848	EA		14" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,836.14	810.09
			<i>For Class 52 Rating, Deduct</i>	-1,386.96	
			<i>For Class 54 Rating, Add</i>	1,906.04	
			<i>For Class 55 Rating, Add</i>	2,841.20	
			<i>For Class 56 Rating, Add</i>	3,763.76	
40 05 19 00-2849	EA		14" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,162.49	814.14
			<i>For Class 52 Rating, Deduct</i>	-1,422.18	
			<i>For Class 54 Rating, Add</i>	1,954.14	
			<i>For Class 55 Rating, Add</i>	2,912.76	
			<i>For Class 56 Rating, Add</i>	3,858.45	
40 05 19 00-2850	EA		14" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,488.85	818.20
			<i>For Class 52 Rating, Deduct</i>	-1,457.41	
			<i>For Class 54 Rating, Add</i>	2,002.25	
			<i>For Class 55 Rating, Add</i>	2,984.32	
			<i>For Class 56 Rating, Add</i>	3,953.13	
40 05 19 00-2851	EA		14" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,815.21	822.25
			<i>For Class 52 Rating, Deduct</i>	-1,492.63	
			<i>For Class 54 Rating, Add</i>	2,050.36	
			<i>For Class 55 Rating, Add</i>	3,055.87	
			<i>For Class 56 Rating, Add</i>	4,047.82	
40 05 19 00-2852	EA		14" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,141.57	826.30
			<i>For Class 52 Rating, Deduct</i>	-1,527.86	
			<i>For Class 54 Rating, Add</i>	2,098.46	
			<i>For Class 55 Rating, Add</i>	3,127.43	
			<i>For Class 56 Rating, Add</i>	4,142.50	
40 05 19 00-2853	EA		14" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,467.94	830.35
			<i>For Class 52 Rating, Deduct</i>	-1,563.08	
			<i>For Class 54 Rating, Add</i>	2,146.57	
			<i>For Class 55 Rating, Add</i>	3,198.99	
			<i>For Class 56 Rating, Add</i>	4,237.19	
40 05 19 00-2854			16" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2814)</small>		
40 05 19 00-2855	EA		16" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,965.96	777.70
			<i>For Class 52 Rating, Deduct</i>	-306.64	
			<i>For Class 54 Rating, Add</i>	432.29	
			<i>For Class 55 Rating, Add</i>	649.92	
			<i>For Class 56 Rating, Add</i>	864.77	
40 05 19 00-2856	EA		16" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,343.79	781.74
			<i>For Class 52 Rating, Deduct</i>	-347.53	
			<i>For Class 54 Rating, Add</i>	488.11	
			<i>For Class 55 Rating, Add</i>	732.96	
			<i>For Class 56 Rating, Add</i>	974.64	
40 05 19 00-2857	EA		16" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,721.60	785.79
			<i>For Class 52 Rating, Deduct</i>	-388.41	
			<i>For Class 54 Rating, Add</i>	543.94	
			<i>For Class 55 Rating, Add</i>	815.99	
			<i>For Class 56 Rating, Add</i>	1,084.51	
40 05 19 00-2858	EA		16" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,099.43	789.84
			<i>For Class 52 Rating, Deduct</i>	-429.30	
			<i>For Class 54 Rating, Add</i>	599.77	
			<i>For Class 55 Rating, Add</i>	899.02	
			<i>For Class 56 Rating, Add</i>	1,194.38	
40 05 19 00-2859	EA		16" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,477.24	793.89
			<i>For Class 52 Rating, Deduct</i>	-470.18	
			<i>For Class 54 Rating, Add</i>	655.59	
			<i>For Class 55 Rating, Add</i>	982.06	
			<i>For Class 56 Rating, Add</i>	1,304.25	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2860	EA		16" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	5,855.07	797.94
			For Class 52 Rating, Deduct .....	-511.07	
			For Class 54 Rating, Add .....	711.42	
			For Class 55 Rating, Add .....	1,065.09	
			For Class 56 Rating, Add .....	1,414.11	
40 05 19 00-2861	EA		16" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,232.90	801.99
			For Class 52 Rating, Deduct .....	-551.95	
			For Class 54 Rating, Add .....	767.25	
			For Class 55 Rating, Add .....	1,148.12	
			For Class 56 Rating, Add .....	1,523.98	
40 05 19 00-2862	EA		16" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,610.72	806.04
			For Class 52 Rating, Deduct .....	-592.84	
			For Class 54 Rating, Add .....	823.07	
			For Class 55 Rating, Add .....	1,231.16	
			For Class 56 Rating, Add .....	1,633.85	
40 05 19 00-2863	EA		16" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,988.55	810.09
			For Class 52 Rating, Deduct .....	-633.72	
			For Class 54 Rating, Add .....	878.90	
			For Class 55 Rating, Add .....	1,314.19	
			For Class 56 Rating, Add .....	1,743.72	
40 05 19 00-2864	EA		16" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,366.36	814.14
			For Class 52 Rating, Deduct .....	-674.61	
			For Class 54 Rating, Add .....	934.72	
			For Class 55 Rating, Add .....	1,397.22	
			For Class 56 Rating, Add .....	1,853.59	
40 05 19 00-2865	EA		16" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,744.19	818.20
			For Class 52 Rating, Deduct .....	-715.50	
			For Class 54 Rating, Add .....	990.55	
			For Class 55 Rating, Add .....	1,480.26	
			For Class 56 Rating, Add .....	1,963.46	
40 05 19 00-2866	EA		16" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,122.01	822.25
			For Class 52 Rating, Deduct .....	-756.38	
			For Class 54 Rating, Add .....	1,046.38	
			For Class 55 Rating, Add .....	1,563.29	
			For Class 56 Rating, Add .....	2,073.32	
40 05 19 00-2867	EA		16" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,499.84	826.30
			For Class 52 Rating, Deduct .....	-797.27	
			For Class 54 Rating, Add .....	1,102.20	
			For Class 55 Rating, Add .....	1,646.32	
			For Class 56 Rating, Add .....	2,183.19	
40 05 19 00-2868	EA		16" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,877.66	830.35
			For Class 52 Rating, Deduct .....	-838.15	
			For Class 54 Rating, Add .....	1,158.03	
			For Class 55 Rating, Add .....	1,729.35	
			For Class 56 Rating, Add .....	2,293.06	
40 05 19 00-2869	EA		16" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,255.48	834.40
			For Class 52 Rating, Deduct .....	-879.04	
			For Class 54 Rating, Add .....	1,213.86	
			For Class 55 Rating, Add .....	1,812.39	
			For Class 56 Rating, Add .....	2,402.93	
40 05 19 00-2870	EA		16" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,633.31	838.45
			For Class 52 Rating, Deduct .....	-919.92	
			For Class 54 Rating, Add .....	1,269.68	
			For Class 55 Rating, Add .....	1,895.42	
			For Class 56 Rating, Add .....	2,512.80	
40 05 19 00-2871	EA		16" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,011.12	842.50
			For Class 52 Rating, Deduct .....	-960.81	
			For Class 54 Rating, Add .....	1,325.51	
			For Class 55 Rating, Add .....	1,978.45	
			For Class 56 Rating, Add .....	2,622.66	
40 05 19 00-2872	EA		16" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,388.95	846.55
			For Class 52 Rating, Deduct .....	-1,001.69	
			For Class 54 Rating, Add .....	1,381.34	
			For Class 55 Rating, Add .....	2,061.49	
			For Class 56 Rating, Add .....	2,732.53	
40 05 19 00-2873	EA		16" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,766.76	850.60
			For Class 52 Rating, Deduct .....	-1,042.58	
			For Class 54 Rating, Add .....	1,437.16	
			For Class 55 Rating, Add .....	2,144.52	
			For Class 56 Rating, Add .....	2,842.40	
40 05 19 00-2874	EA		16" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,144.59	854.65
			For Class 52 Rating, Deduct .....	-1,083.46	
			For Class 54 Rating, Add .....	1,492.99	
			For Class 55 Rating, Add .....	2,227.55	
			For Class 56 Rating, Add .....	2,952.27	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2875	EA	16"	Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,522.41	858.71
			<i>For Class 52 Rating, Deduct</i>	-1,124.35	
			<i>For Class 54 Rating, Add</i>	1,548.82	
			<i>For Class 55 Rating, Add</i>	2,310.59	
			<i>For Class 56 Rating, Add</i>	3,062.14	
40 05 19 00-2876	EA	16"	Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,900.24	862.75
			<i>For Class 52 Rating, Deduct</i>	-1,165.23	
			<i>For Class 54 Rating, Add</i>	1,604.64	
			<i>For Class 55 Rating, Add</i>	2,393.62	
			<i>For Class 56 Rating, Add</i>	3,172.01	
40 05 19 00-2877	EA	16"	Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,278.07	866.80
			<i>For Class 52 Rating, Deduct</i>	-1,206.12	
			<i>For Class 54 Rating, Add</i>	1,660.47	
			<i>For Class 55 Rating, Add</i>	2,476.65	
			<i>For Class 56 Rating, Add</i>	3,281.88	
40 05 19 00-2878	EA	16"	Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,655.88	870.85
			<i>For Class 52 Rating, Deduct</i>	-1,247.01	
			<i>For Class 54 Rating, Add</i>	1,716.30	
			<i>For Class 55 Rating, Add</i>	2,559.69	
			<i>For Class 56 Rating, Add</i>	3,391.74	
40 05 19 00-2879	EA	16"	Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,033.71	874.90
			<i>For Class 52 Rating, Deduct</i>	-1,287.89	
			<i>For Class 54 Rating, Add</i>	1,772.12	
			<i>For Class 55 Rating, Add</i>	2,642.72	
			<i>For Class 56 Rating, Add</i>	3,501.61	
40 05 19 00-2880	EA	16"	Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,411.53	878.95
			<i>For Class 52 Rating, Deduct</i>	-1,328.78	
			<i>For Class 54 Rating, Add</i>	1,827.95	
			<i>For Class 55 Rating, Add</i>	2,725.75	
			<i>For Class 56 Rating, Add</i>	3,611.48	
40 05 19 00-2881	EA	16"	Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,789.36	883.00
			<i>For Class 52 Rating, Deduct</i>	-1,369.66	
			<i>For Class 54 Rating, Add</i>	1,883.78	
			<i>For Class 55 Rating, Add</i>	2,808.79	
			<i>For Class 56 Rating, Add</i>	3,721.35	
40 05 19 00-2882	EA	16"	Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,167.17	887.05
			<i>For Class 52 Rating, Deduct</i>	-1,410.55	
			<i>For Class 54 Rating, Add</i>	1,939.60	
			<i>For Class 55 Rating, Add</i>	2,891.82	
			<i>For Class 56 Rating, Add</i>	3,831.21	
40 05 19 00-2883	EA	16"	Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,545.00	891.10
			<i>For Class 52 Rating, Deduct</i>	-1,451.43	
			<i>For Class 54 Rating, Add</i>	1,995.43	
			<i>For Class 55 Rating, Add</i>	2,974.85	
			<i>For Class 56 Rating, Add</i>	3,941.08	
40 05 19 00-2884	EA	16"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,922.81	895.15
			<i>For Class 52 Rating, Deduct</i>	-1,492.32	
			<i>For Class 54 Rating, Add</i>	2,051.25	
			<i>For Class 55 Rating, Add</i>	3,057.88	
			<i>For Class 56 Rating, Add</i>	4,050.95	
40 05 19 00-2885	EA	16"	Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,300.64	899.20
			<i>For Class 52 Rating, Deduct</i>	-1,533.20	
			<i>For Class 54 Rating, Add</i>	2,107.08	
			<i>For Class 55 Rating, Add</i>	3,140.92	
			<i>For Class 56 Rating, Add</i>	4,160.82	
40 05 19 00-2886	EA	16"	Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,678.47	903.26
			<i>For Class 52 Rating, Deduct</i>	-1,574.09	
			<i>For Class 54 Rating, Add</i>	2,162.91	
			<i>For Class 55 Rating, Add</i>	3,223.95	
			<i>For Class 56 Rating, Add</i>	4,270.69	
40 05 19 00-2887	EA	16"	Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,056.28	907.31
			<i>For Class 52 Rating, Deduct</i>	-1,614.97	
			<i>For Class 54 Rating, Add</i>	2,218.73	
			<i>For Class 55 Rating, Add</i>	3,306.99	
			<i>For Class 56 Rating, Add</i>	4,380.56	
40 05 19 00-2888	EA	16"	Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,434.11	911.36
			<i>For Class 52 Rating, Deduct</i>	-1,655.86	
			<i>For Class 54 Rating, Add</i>	2,274.56	
			<i>For Class 55 Rating, Add</i>	3,390.02	
			<i>For Class 56 Rating, Add</i>	4,490.42	
40 05 19 00-2889	EA	16"	Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,811.93	915.41
			<i>For Class 52 Rating, Deduct</i>	-1,696.74	
			<i>For Class 54 Rating, Add</i>	2,330.39	
			<i>For Class 55 Rating, Add</i>	3,473.05	
			<i>For Class 56 Rating, Add</i>	4,600.29	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2890	EA		16" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,189.76	919.46
			<i>For Class 52 Rating, Deduct</i>	-1,737.63	
			<i>For Class 54 Rating, Add</i>	2,386.21	
			<i>For Class 55 Rating, Add</i>	3,556.09	
			<i>For Class 56 Rating, Add</i>	4,710.16	
40 05 19 00-2891	EA		16" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,567.58	923.51
			<i>For Class 52 Rating, Deduct</i>	-1,778.52	
			<i>For Class 54 Rating, Add</i>	2,442.04	
			<i>For Class 55 Rating, Add</i>	3,639.12	
			<i>For Class 56 Rating, Add</i>	4,820.03	
40 05 19 00-2892	EA		16" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,945.40	927.56
			<i>For Class 52 Rating, Deduct</i>	-1,819.40	
			<i>For Class 54 Rating, Add</i>	2,497.87	
			<i>For Class 55 Rating, Add</i>	3,722.15	
			<i>For Class 56 Rating, Add</i>	4,929.90	
<b>40 05 19 00-2893</b>			<b>18" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2894)</small></b>		
40 05 19 00-2894	EA		18" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,630.35	876.53
			<i>For Class 52 Rating, Deduct</i>	-363.25	
			<i>For Class 54 Rating, Add</i>	511.28	
			<i>For Class 55 Rating, Add</i>	768.28	
			<i>For Class 56 Rating, Add</i>	1,021.98	
40 05 19 00-2895	EA		18" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,065.35	880.58
			<i>For Class 52 Rating, Deduct</i>	-410.43	
			<i>For Class 54 Rating, Add</i>	575.68	
			<i>For Class 55 Rating, Add</i>	864.07	
			<i>For Class 56 Rating, Add</i>	1,148.72	
40 05 19 00-2896	EA		18" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,500.36	884.62
			<i>For Class 52 Rating, Deduct</i>	-457.60	
			<i>For Class 54 Rating, Add</i>	640.09	
			<i>For Class 55 Rating, Add</i>	959.85	
			<i>For Class 56 Rating, Add</i>	1,275.46	
40 05 19 00-2897	EA		18" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,935.37	888.68
			<i>For Class 52 Rating, Deduct</i>	-504.78	
			<i>For Class 54 Rating, Add</i>	704.49	
			<i>For Class 55 Rating, Add</i>	1,055.64	
			<i>For Class 56 Rating, Add</i>	1,402.20	
40 05 19 00-2898	EA		18" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,370.38	892.73
			<i>For Class 52 Rating, Deduct</i>	-551.95	
			<i>For Class 54 Rating, Add</i>	768.90	
			<i>For Class 55 Rating, Add</i>	1,151.42	
			<i>For Class 56 Rating, Add</i>	1,528.93	
40 05 19 00-2899	EA		18" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,805.37	896.78
			<i>For Class 52 Rating, Deduct</i>	-599.13	
			<i>For Class 54 Rating, Add</i>	833.30	
			<i>For Class 55 Rating, Add</i>	1,247.21	
			<i>For Class 56 Rating, Add</i>	1,655.67	
40 05 19 00-2900	EA		18" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,240.37	900.83
			<i>For Class 52 Rating, Deduct</i>	-646.30	
			<i>For Class 54 Rating, Add</i>	897.70	
			<i>For Class 55 Rating, Add</i>	1,342.99	
			<i>For Class 56 Rating, Add</i>	1,782.41	
40 05 19 00-2901	EA		18" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,675.38	904.88
			<i>For Class 52 Rating, Deduct</i>	-693.48	
			<i>For Class 54 Rating, Add</i>	962.11	
			<i>For Class 55 Rating, Add</i>	1,438.78	
			<i>For Class 56 Rating, Add</i>	1,909.14	
40 05 19 00-2902	EA		18" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,110.39	908.93
			<i>For Class 52 Rating, Deduct</i>	-740.66	
			<i>For Class 54 Rating, Add</i>	1,026.51	
			<i>For Class 55 Rating, Add</i>	1,534.56	
			<i>For Class 56 Rating, Add</i>	2,035.88	
40 05 19 00-2903	EA		18" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,545.40	912.98
			<i>For Class 52 Rating, Deduct</i>	-787.83	
			<i>For Class 54 Rating, Add</i>	1,090.91	
			<i>For Class 55 Rating, Add</i>	1,630.35	
			<i>For Class 56 Rating, Add</i>	2,162.62	
40 05 19 00-2904	EA		18" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,980.39	917.03
			<i>For Class 52 Rating, Deduct</i>	-835.01	
			<i>For Class 54 Rating, Add</i>	1,155.32	
			<i>For Class 55 Rating, Add</i>	1,726.13	
			<i>For Class 56 Rating, Add</i>	2,289.35	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2905	EA		18" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,415.40	921.08
			<i>For Class 52 Rating, Deduct</i> .....	-882.18	
			<i>For Class 54 Rating, Add</i> .....	1,219.72	
			<i>For Class 55 Rating, Add</i> .....	1,821.92	
			<i>For Class 56 Rating, Add</i> .....	2,416.09	
40 05 19 00-2906	EA		18" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,850.41	925.13
			<i>For Class 52 Rating, Deduct</i> .....	-929.36	
			<i>For Class 54 Rating, Add</i> .....	1,284.13	
			<i>For Class 55 Rating, Add</i> .....	1,917.70	
			<i>For Class 56 Rating, Add</i> .....	2,542.83	
40 05 19 00-2907	EA		18" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,285.42	929.19
			<i>For Class 52 Rating, Deduct</i> .....	-976.53	
			<i>For Class 54 Rating, Add</i> .....	1,348.53	
			<i>For Class 55 Rating, Add</i> .....	2,013.49	
			<i>For Class 56 Rating, Add</i> .....	2,669.57	
40 05 19 00-2908	EA		18" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,720.43	933.24
			<i>For Class 52 Rating, Deduct</i> .....	-1,023.71	
			<i>For Class 54 Rating, Add</i> .....	1,412.93	
			<i>For Class 55 Rating, Add</i> .....	2,109.27	
			<i>For Class 56 Rating, Add</i> .....	2,796.30	
40 05 19 00-2909	EA		18" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,155.42	937.29
			<i>For Class 52 Rating, Deduct</i> .....	-1,070.88	
			<i>For Class 54 Rating, Add</i> .....	1,477.34	
			<i>For Class 55 Rating, Add</i> .....	2,205.05	
			<i>For Class 56 Rating, Add</i> .....	2,923.04	
40 05 19 00-2910	EA		18" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,590.43	941.34
			<i>For Class 52 Rating, Deduct</i> .....	-1,118.06	
			<i>For Class 54 Rating, Add</i> .....	1,541.74	
			<i>For Class 55 Rating, Add</i> .....	2,300.84	
			<i>For Class 56 Rating, Add</i> .....	3,049.78	
40 05 19 00-2911	EA		18" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,025.44	945.39
			<i>For Class 52 Rating, Deduct</i> .....	-1,165.23	
			<i>For Class 54 Rating, Add</i> .....	1,606.14	
			<i>For Class 55 Rating, Add</i> .....	2,396.63	
			<i>For Class 56 Rating, Add</i> .....	3,176.51	
40 05 19 00-2912	EA		18" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,460.44	949.44
			<i>For Class 52 Rating, Deduct</i> .....	-1,212.41	
			<i>For Class 54 Rating, Add</i> .....	1,670.55	
			<i>For Class 55 Rating, Add</i> .....	2,492.41	
			<i>For Class 56 Rating, Add</i> .....	3,303.25	
40 05 19 00-2913	EA		18" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,895.45	953.49
			<i>For Class 52 Rating, Deduct</i> .....	-1,259.59	
			<i>For Class 54 Rating, Add</i> .....	1,734.95	
			<i>For Class 55 Rating, Add</i> .....	2,588.20	
			<i>For Class 56 Rating, Add</i> .....	3,429.99	
40 05 19 00-2914	EA		18" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,330.44	957.54
			<i>For Class 52 Rating, Deduct</i> .....	-1,306.76	
			<i>For Class 54 Rating, Add</i> .....	1,799.36	
			<i>For Class 55 Rating, Add</i> .....	2,683.98	
			<i>For Class 56 Rating, Add</i> .....	3,556.72	
40 05 19 00-2915	EA		18" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,765.45	961.59
			<i>For Class 52 Rating, Deduct</i> .....	-1,353.94	
			<i>For Class 54 Rating, Add</i> .....	1,863.76	
			<i>For Class 55 Rating, Add</i> .....	2,779.76	
			<i>For Class 56 Rating, Add</i> .....	3,683.46	
40 05 19 00-2916	EA		18" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,200.46	965.63
			<i>For Class 52 Rating, Deduct</i> .....	-1,401.11	
			<i>For Class 54 Rating, Add</i> .....	1,928.16	
			<i>For Class 55 Rating, Add</i> .....	2,875.55	
			<i>For Class 56 Rating, Add</i> .....	3,810.20	
40 05 19 00-2917	EA		18" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,635.47	969.69
			<i>For Class 52 Rating, Deduct</i> .....	-1,448.29	
			<i>For Class 54 Rating, Add</i> .....	1,992.57	
			<i>For Class 55 Rating, Add</i> .....	2,971.34	
			<i>For Class 56 Rating, Add</i> .....	3,936.94	
40 05 19 00-2918	EA		18" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,070.47	973.74
			<i>For Class 52 Rating, Deduct</i> .....	-1,495.46	
			<i>For Class 54 Rating, Add</i> .....	2,056.97	
			<i>For Class 55 Rating, Add</i> .....	3,067.12	
			<i>For Class 56 Rating, Add</i> .....	4,063.67	
40 05 19 00-2919	EA		18" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,505.47	977.79
			<i>For Class 52 Rating, Deduct</i> .....	-1,542.64	
			<i>For Class 54 Rating, Add</i> .....	2,121.37	
			<i>For Class 55 Rating, Add</i> .....	3,162.90	
			<i>For Class 56 Rating, Add</i> .....	4,190.41	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2920	EA		18" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,940.48	981.84
			<i>For Class 52 Rating, Deduct</i>	-1,589.81	
			<i>For Class 54 Rating, Add</i>	2,185.78	
			<i>For Class 55 Rating, Add</i>	3,258.69	
			<i>For Class 56 Rating, Add</i>	4,317.15	
40 05 19 00-2921	EA		18" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,375.49	985.89
			<i>For Class 52 Rating, Deduct</i>	-1,636.99	
			<i>For Class 54 Rating, Add</i>	2,250.18	
			<i>For Class 55 Rating, Add</i>	3,354.47	
			<i>For Class 56 Rating, Add</i>	4,443.88	
40 05 19 00-2922	EA		18" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,810.50	989.94
			<i>For Class 52 Rating, Deduct</i>	-1,684.16	
			<i>For Class 54 Rating, Add</i>	2,314.59	
			<i>For Class 55 Rating, Add</i>	3,450.26	
			<i>For Class 56 Rating, Add</i>	4,570.62	
40 05 19 00-2923	EA		18" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,245.50	993.99
			<i>For Class 52 Rating, Deduct</i>	-1,731.34	
			<i>For Class 54 Rating, Add</i>	2,378.99	
			<i>For Class 55 Rating, Add</i>	3,546.04	
			<i>For Class 56 Rating, Add</i>	4,697.36	
40 05 19 00-2924	EA		18" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,680.50	998.04
			<i>For Class 52 Rating, Deduct</i>	-1,778.52	
			<i>For Class 54 Rating, Add</i>	2,443.39	
			<i>For Class 55 Rating, Add</i>	3,641.83	
			<i>For Class 56 Rating, Add</i>	4,824.09	
40 05 19 00-2925	EA		18" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,115.51	1,002.09
			<i>For Class 52 Rating, Deduct</i>	-1,825.69	
			<i>For Class 54 Rating, Add</i>	2,507.80	
			<i>For Class 55 Rating, Add</i>	3,737.61	
			<i>For Class 56 Rating, Add</i>	4,950.83	
40 05 19 00-2926	EA		18" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,550.51	1,006.14
			<i>For Class 52 Rating, Deduct</i>	-1,872.87	
			<i>For Class 54 Rating, Add</i>	2,572.20	
			<i>For Class 55 Rating, Add</i>	3,833.40	
			<i>For Class 56 Rating, Add</i>	5,077.57	
40 05 19 00-2927	EA		18" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,985.51	1,010.20
			<i>For Class 52 Rating, Deduct</i>	-1,920.04	
			<i>For Class 54 Rating, Add</i>	2,636.61	
			<i>For Class 55 Rating, Add</i>	3,929.18	
			<i>For Class 56 Rating, Add</i>	5,204.31	
40 05 19 00-2928	EA		18" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,420.52	1,014.25
			<i>For Class 52 Rating, Deduct</i>	-1,967.22	
			<i>For Class 54 Rating, Add</i>	2,701.01	
			<i>For Class 55 Rating, Add</i>	4,024.97	
			<i>For Class 56 Rating, Add</i>	5,331.04	
40 05 19 00-2929	EA		18" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,855.52	1,018.30
			<i>For Class 52 Rating, Deduct</i>	-2,014.39	
			<i>For Class 54 Rating, Add</i>	2,765.41	
			<i>For Class 55 Rating, Add</i>	4,120.75	
			<i>For Class 56 Rating, Add</i>	5,457.78	
40 05 19 00-2930	EA		18" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,290.53	1,022.35
			<i>For Class 52 Rating, Deduct</i>	-2,061.57	
			<i>For Class 54 Rating, Add</i>	2,829.82	
			<i>For Class 55 Rating, Add</i>	4,216.54	
			<i>For Class 56 Rating, Add</i>	5,584.52	
40 05 19 00-2931	EA		18" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,725.54	1,026.40
			<i>For Class 52 Rating, Deduct</i>	-2,108.74	
			<i>For Class 54 Rating, Add</i>	2,894.22	
			<i>For Class 55 Rating, Add</i>	4,312.32	
			<i>For Class 56 Rating, Add</i>	5,711.25	
40 05 19 00-2932			<b>20" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2614)</small>		
40 05 19 00-2933	EA		20" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,361.38	1,000.47
			<i>For Class 52 Rating, Deduct</i>	-423.01	
			<i>For Class 54 Rating, Add</i>	595.02	
			<i>For Class 55 Rating, Add</i>	893.93	
			<i>For Class 56 Rating, Add</i>	1,189.00	
40 05 19 00-2934	EA		20" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,856.42	1,004.52
			<i>For Class 52 Rating, Deduct</i>	-476.79	
			<i>For Class 54 Rating, Add</i>	668.43	
			<i>For Class 55 Rating, Add</i>	1,003.11	
			<i>For Class 56 Rating, Add</i>	1,333.45	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2935	EA	20"	Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,351.47	1,008.57
			<i>For Class 52 Rating, Deduct</i> .....	-530.57	
			<i>For Class 54 Rating, Add</i> .....	741.84	
			<i>For Class 55 Rating, Add</i> .....	1,112.28	
			<i>For Class 56 Rating, Add</i> .....	1,477.90	
40 05 19 00-2936	EA	20"	Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	6,846.51	1,012.62
			<i>For Class 52 Rating, Deduct</i> .....	-584.35	
			<i>For Class 54 Rating, Add</i> .....	815.25	
			<i>For Class 55 Rating, Add</i> .....	1,221.45	
			<i>For Class 56 Rating, Add</i> .....	1,622.34	
40 05 19 00-2937	EA	20"	Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,341.56	1,016.67
			<i>For Class 52 Rating, Deduct</i> .....	-638.13	
			<i>For Class 54 Rating, Add</i> .....	888.66	
			<i>For Class 55 Rating, Add</i> .....	1,330.63	
			<i>For Class 56 Rating, Add</i> .....	1,766.79	
40 05 19 00-2938	EA	20"	Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	7,836.60	1,020.72
			<i>For Class 52 Rating, Deduct</i> .....	-691.91	
			<i>For Class 54 Rating, Add</i> .....	962.07	
			<i>For Class 55 Rating, Add</i> .....	1,439.80	
			<i>For Class 56 Rating, Add</i> .....	1,911.24	
40 05 19 00-2939	EA	20"	Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,331.65	1,024.77
			<i>For Class 52 Rating, Deduct</i> .....	-745.69	
			<i>For Class 54 Rating, Add</i> .....	1,035.48	
			<i>For Class 55 Rating, Add</i> .....	1,548.97	
			<i>For Class 56 Rating, Add</i> .....	2,055.69	
40 05 19 00-2940	EA	20"	Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	8,826.70	1,028.82
			<i>For Class 52 Rating, Deduct</i> .....	-799.47	
			<i>For Class 54 Rating, Add</i> .....	1,108.89	
			<i>For Class 55 Rating, Add</i> .....	1,658.15	
			<i>For Class 56 Rating, Add</i> .....	2,200.14	
40 05 19 00-2941	EA	20"	Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,321.75	1,032.87
			<i>For Class 52 Rating, Deduct</i> .....	-853.25	
			<i>For Class 54 Rating, Add</i> .....	1,182.30	
			<i>For Class 55 Rating, Add</i> .....	1,767.32	
			<i>For Class 56 Rating, Add</i> .....	2,344.59	
40 05 19 00-2942	EA	20"	Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	9,816.79	1,036.92
			<i>For Class 52 Rating, Deduct</i> .....	-907.03	
			<i>For Class 54 Rating, Add</i> .....	1,255.71	
			<i>For Class 55 Rating, Add</i> .....	1,876.50	
			<i>For Class 56 Rating, Add</i> .....	2,489.04	
40 05 19 00-2943	EA	20"	Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,311.84	1,040.97
			<i>For Class 52 Rating, Deduct</i> .....	-960.81	
			<i>For Class 54 Rating, Add</i> .....	1,329.12	
			<i>For Class 55 Rating, Add</i> .....	1,985.67	
			<i>For Class 56 Rating, Add</i> .....	2,633.49	
40 05 19 00-2944	EA	20"	Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,806.89	1,045.02
			<i>For Class 52 Rating, Deduct</i> .....	-1,014.59	
			<i>For Class 54 Rating, Add</i> .....	1,402.53	
			<i>For Class 55 Rating, Add</i> .....	2,094.85	
			<i>For Class 56 Rating, Add</i> .....	2,777.94	
40 05 19 00-2945	EA	20"	Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,301.94	1,049.07
			<i>For Class 52 Rating, Deduct</i> .....	-1,068.37	
			<i>For Class 54 Rating, Add</i> .....	1,475.94	
			<i>For Class 55 Rating, Add</i> .....	2,204.02	
			<i>For Class 56 Rating, Add</i> .....	2,922.39	
40 05 19 00-2946	EA	20"	Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,796.99	1,053.12
			<i>For Class 52 Rating, Deduct</i> .....	-1,122.15	
			<i>For Class 54 Rating, Add</i> .....	1,549.35	
			<i>For Class 55 Rating, Add</i> .....	2,313.19	
			<i>For Class 56 Rating, Add</i> .....	3,066.84	
40 05 19 00-2947	EA	20"	Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,292.02	1,057.17
			<i>For Class 52 Rating, Deduct</i> .....	-1,175.93	
			<i>For Class 54 Rating, Add</i> .....	1,622.76	
			<i>For Class 55 Rating, Add</i> .....	2,422.37	
			<i>For Class 56 Rating, Add</i> .....	3,211.29	
40 05 19 00-2948	EA	20"	Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,787.07	1,061.22
			<i>For Class 52 Rating, Deduct</i> .....	-1,229.71	
			<i>For Class 54 Rating, Add</i> .....	1,696.17	
			<i>For Class 55 Rating, Add</i> .....	2,531.54	
			<i>For Class 56 Rating, Add</i> .....	3,355.74	
40 05 19 00-2949	EA	20"	Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,282.12	1,065.27
			<i>For Class 52 Rating, Deduct</i> .....	-1,283.49	
			<i>For Class 54 Rating, Add</i> .....	1,769.58	
			<i>For Class 55 Rating, Add</i> .....	2,640.72	
			<i>For Class 56 Rating, Add</i> .....	3,500.19	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2950	EA		20" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,777.17	1,069.33
			For Class 52 Rating, Deduct .....	-1,337.27	
			For Class 54 Rating, Add .....	1,842.99	
			For Class 55 Rating, Add .....	2,749.89	
			For Class 56 Rating, Add .....	3,644.64	
40 05 19 00-2951	EA		20" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,272.21	1,073.38
			For Class 52 Rating, Deduct .....	-1,391.05	
			For Class 54 Rating, Add .....	1,916.40	
			For Class 55 Rating, Add .....	2,859.07	
			For Class 56 Rating, Add .....	3,789.09	
40 05 19 00-2952	EA		20" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,767.26	1,077.43
			For Class 52 Rating, Deduct .....	-1,444.83	
			For Class 54 Rating, Add .....	1,989.81	
			For Class 55 Rating, Add .....	2,968.24	
			For Class 56 Rating, Add .....	3,933.53	
40 05 19 00-2953	EA		20" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,262.31	1,081.48
			For Class 52 Rating, Deduct .....	-1,498.61	
			For Class 54 Rating, Add .....	2,063.22	
			For Class 55 Rating, Add .....	3,077.41	
			For Class 56 Rating, Add .....	4,077.98	
40 05 19 00-2954	EA		20" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,757.36	1,085.53
			For Class 52 Rating, Deduct .....	-1,552.39	
			For Class 54 Rating, Add .....	2,136.63	
			For Class 55 Rating, Add .....	3,186.59	
			For Class 56 Rating, Add .....	4,222.43	
40 05 19 00-2955	EA		20" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	16,252.41	1,089.58
			For Class 52 Rating, Deduct .....	-1,606.17	
			For Class 54 Rating, Add .....	2,210.04	
			For Class 55 Rating, Add .....	3,295.76	
			For Class 56 Rating, Add .....	4,366.88	
40 05 19 00-2956	EA		20" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	16,747.45	1,093.63
			For Class 52 Rating, Deduct .....	-1,659.95	
			For Class 54 Rating, Add .....	2,283.45	
			For Class 55 Rating, Add .....	3,404.94	
			For Class 56 Rating, Add .....	4,511.33	
40 05 19 00-2957	EA		20" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,242.49	1,097.68
			For Class 52 Rating, Deduct .....	-1,713.73	
			For Class 54 Rating, Add .....	2,356.86	
			For Class 55 Rating, Add .....	3,514.11	
			For Class 56 Rating, Add .....	4,655.78	
40 05 19 00-2958	EA		20" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,737.54	1,101.73
			For Class 52 Rating, Deduct .....	-1,767.51	
			For Class 54 Rating, Add .....	2,430.27	
			For Class 55 Rating, Add .....	3,623.28	
			For Class 56 Rating, Add .....	4,800.23	
40 05 19 00-2959	EA		20" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	18,232.59	1,105.78
			For Class 52 Rating, Deduct .....	-1,821.29	
			For Class 54 Rating, Add .....	2,503.68	
			For Class 55 Rating, Add .....	3,732.46	
			For Class 56 Rating, Add .....	4,944.68	
40 05 19 00-2960	EA		20" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	18,727.64	1,109.83
			For Class 52 Rating, Deduct .....	-1,875.07	
			For Class 54 Rating, Add .....	2,577.09	
			For Class 55 Rating, Add .....	3,841.63	
			For Class 56 Rating, Add .....	5,089.13	
40 05 19 00-2961	EA		20" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	19,222.67	1,113.88
			For Class 52 Rating, Deduct .....	-1,928.85	
			For Class 54 Rating, Add .....	2,650.50	
			For Class 55 Rating, Add .....	3,950.81	
			For Class 56 Rating, Add .....	5,233.58	
40 05 19 00-2962	EA		20" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	19,717.72	1,117.93
			For Class 52 Rating, Deduct .....	-1,982.63	
			For Class 54 Rating, Add .....	2,723.91	
			For Class 55 Rating, Add .....	4,059.98	
			For Class 56 Rating, Add .....	5,378.03	
40 05 19 00-2963	EA		20" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	20,212.77	1,121.98
			For Class 52 Rating, Deduct .....	-2,036.41	
			For Class 54 Rating, Add .....	2,797.32	
			For Class 55 Rating, Add .....	4,169.15	
			For Class 56 Rating, Add .....	5,522.47	
40 05 19 00-2964	EA		20" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	20,707.82	1,126.03
			For Class 52 Rating, Deduct .....	-2,090.19	
			For Class 54 Rating, Add .....	2,870.73	
			For Class 55 Rating, Add .....	4,278.33	
			For Class 56 Rating, Add .....	5,666.92	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-2965	EA	20" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,202.86	1,130.08
		<i>For Class 52 Rating, Deduct</i>	-2,143.97	
		<i>For Class 54 Rating, Add</i>	2,944.14	
		<i>For Class 55 Rating, Add</i>	4,387.50	
		<i>For Class 56 Rating, Add</i>	5,811.37	
40 05 19 00-2966	EA	20" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	21,697.91	1,134.13
		<i>For Class 52 Rating, Deduct</i>	-2,197.75	
		<i>For Class 54 Rating, Add</i>	3,017.55	
		<i>For Class 55 Rating, Add</i>	4,496.68	
		<i>For Class 56 Rating, Add</i>	5,955.82	
40 05 19 00-2967	EA	20" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,192.96	1,138.18
		<i>For Class 52 Rating, Deduct</i>	-2,251.53	
		<i>For Class 54 Rating, Add</i>	3,090.96	
		<i>For Class 55 Rating, Add</i>	4,605.85	
		<i>For Class 56 Rating, Add</i>	6,100.27	
40 05 19 00-2968	EA	20" Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	22,688.01	1,142.23
		<i>For Class 52 Rating, Deduct</i>	-2,305.31	
		<i>For Class 54 Rating, Add</i>	3,164.37	
		<i>For Class 55 Rating, Add</i>	4,715.02	
		<i>For Class 56 Rating, Add</i>	6,244.72	
40 05 19 00-2969	EA	20" Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,183.06	1,146.28
		<i>For Class 52 Rating, Deduct</i>	-2,359.09	
		<i>For Class 54 Rating, Add</i>	3,237.78	
		<i>For Class 55 Rating, Add</i>	4,824.20	
		<i>For Class 56 Rating, Add</i>	6,389.17	
40 05 19 00-2970	EA	20" Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	23,678.10	1,150.33
		<i>For Class 52 Rating, Deduct</i>	-2,412.87	
		<i>For Class 54 Rating, Add</i>	3,311.19	
		<i>For Class 55 Rating, Add</i>	4,933.37	
		<i>For Class 56 Rating, Add</i>	6,533.62	

## 40 05 19 00-2971 24" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-2614)

40 05 19 00-2972	EA	24" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,646.82	1,182.74
		<i>For Class 52 Rating, Deduct</i>	-534.03	
		<i>For Class 54 Rating, Add</i>	749.72	
		<i>For Class 55 Rating, Add</i>	1,125.63	
		<i>For Class 56 Rating, Add</i>	1,496.68	
40 05 19 00-2973	EA	24" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,259.08	1,186.79
		<i>For Class 52 Rating, Deduct</i>	-600.70	
		<i>For Class 54 Rating, Add</i>	840.72	
		<i>For Class 55 Rating, Add</i>	1,260.94	
		<i>For Class 56 Rating, Add</i>	1,675.71	
40 05 19 00-2974	EA	24" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,871.35	1,190.83
		<i>For Class 52 Rating, Deduct</i>	-667.38	
		<i>For Class 54 Rating, Add</i>	931.71	
		<i>For Class 55 Rating, Add</i>	1,396.26	
		<i>For Class 56 Rating, Add</i>	1,854.73	
40 05 19 00-2975	EA	24" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,483.63	1,194.89
		<i>For Class 52 Rating, Deduct</i>	-734.05	
		<i>For Class 54 Rating, Add</i>	1,022.70	
		<i>For Class 55 Rating, Add</i>	1,531.57	
		<i>For Class 56 Rating, Add</i>	2,033.77	
40 05 19 00-2976	EA	24" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,095.90	1,198.94
		<i>For Class 52 Rating, Deduct</i>	-800.73	
		<i>For Class 54 Rating, Add</i>	1,113.70	
		<i>For Class 55 Rating, Add</i>	1,666.89	
		<i>For Class 56 Rating, Add</i>	2,212.80	
40 05 19 00-2977	EA	24" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,708.17	1,202.99
		<i>For Class 52 Rating, Deduct</i>	-867.40	
		<i>For Class 54 Rating, Add</i>	1,204.69	
		<i>For Class 55 Rating, Add</i>	1,802.20	
		<i>For Class 56 Rating, Add</i>	2,391.83	
40 05 19 00-2978	EA	24" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,320.44	1,207.04
		<i>For Class 52 Rating, Deduct</i>	-934.07	
		<i>For Class 54 Rating, Add</i>	1,295.68	
		<i>For Class 55 Rating, Add</i>	1,937.52	
		<i>For Class 56 Rating, Add</i>	2,570.86	
40 05 19 00-2979	EA	24" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,932.71	1,211.09
		<i>For Class 52 Rating, Deduct</i>	-1,000.75	
		<i>For Class 54 Rating, Add</i>	1,386.68	
		<i>For Class 55 Rating, Add</i>	2,072.83	
		<i>For Class 56 Rating, Add</i>	2,749.89	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2980	EA		24" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,544.98	1,215.14
			<i>For Class 52 Rating, Deduct</i> .....	-1,067.42	
			<i>For Class 54 Rating, Add</i> .....	1,477.67	
			<i>For Class 55 Rating, Add</i> .....	2,208.15	
			<i>For Class 56 Rating, Add</i> .....	2,928.92	
40 05 19 00-2981	EA		24" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,157.25	1,219.19
			<i>For Class 52 Rating, Deduct</i> .....	-1,134.10	
			<i>For Class 54 Rating, Add</i> .....	1,568.67	
			<i>For Class 55 Rating, Add</i> .....	2,343.46	
			<i>For Class 56 Rating, Add</i> .....	3,107.95	
40 05 19 00-2982	EA		24" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,769.51	1,223.24
			<i>For Class 52 Rating, Deduct</i> .....	-1,200.77	
			<i>For Class 54 Rating, Add</i> .....	1,659.66	
			<i>For Class 55 Rating, Add</i> .....	2,478.78	
			<i>For Class 56 Rating, Add</i> .....	3,286.98	
40 05 19 00-2983	EA		24" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,381.78	1,227.29
			<i>For Class 52 Rating, Deduct</i> .....	-1,267.45	
			<i>For Class 54 Rating, Add</i> .....	1,750.65	
			<i>For Class 55 Rating, Add</i> .....	2,614.09	
			<i>For Class 56 Rating, Add</i> .....	3,466.01	
40 05 19 00-2984	EA		24" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,994.06	1,231.34
			<i>For Class 52 Rating, Deduct</i> .....	-1,334.12	
			<i>For Class 54 Rating, Add</i> .....	1,841.65	
			<i>For Class 55 Rating, Add</i> .....	2,749.41	
			<i>For Class 56 Rating, Add</i> .....	3,645.04	
40 05 19 00-2985	EA		24" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,606.33	1,235.40
			<i>For Class 52 Rating, Deduct</i> .....	-1,400.80	
			<i>For Class 54 Rating, Add</i> .....	1,932.64	
			<i>For Class 55 Rating, Add</i> .....	2,884.72	
			<i>For Class 56 Rating, Add</i> .....	3,824.07	
40 05 19 00-2986	EA		24" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,218.60	1,239.45
			<i>For Class 52 Rating, Deduct</i> .....	-1,467.47	
			<i>For Class 54 Rating, Add</i> .....	2,023.63	
			<i>For Class 55 Rating, Add</i> .....	3,020.04	
			<i>For Class 56 Rating, Add</i> .....	4,003.10	
40 05 19 00-2987	EA		24" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,830.87	1,243.50
			<i>For Class 52 Rating, Deduct</i> .....	-1,534.15	
			<i>For Class 54 Rating, Add</i> .....	2,114.63	
			<i>For Class 55 Rating, Add</i> .....	3,155.35	
			<i>For Class 56 Rating, Add</i> .....	4,182.13	
40 05 19 00-2988	EA		24" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	16,443.14	1,247.55
			<i>For Class 52 Rating, Deduct</i> .....	-1,600.82	
			<i>For Class 54 Rating, Add</i> .....	2,205.62	
			<i>For Class 55 Rating, Add</i> .....	3,290.67	
			<i>For Class 56 Rating, Add</i> .....	4,361.16	
40 05 19 00-2989	EA		24" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,055.41	1,251.60
			<i>For Class 52 Rating, Deduct</i> .....	-1,667.50	
			<i>For Class 54 Rating, Add</i> .....	2,296.61	
			<i>For Class 55 Rating, Add</i> .....	3,425.98	
			<i>For Class 56 Rating, Add</i> .....	4,540.19	
40 05 19 00-2990	EA		24" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,667.69	1,255.65
			<i>For Class 52 Rating, Deduct</i> .....	-1,734.17	
			<i>For Class 54 Rating, Add</i> .....	2,387.61	
			<i>For Class 55 Rating, Add</i> .....	3,561.30	
			<i>For Class 56 Rating, Add</i> .....	4,719.22	
40 05 19 00-2991	EA		24" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	18,279.96	1,259.70
			<i>For Class 52 Rating, Deduct</i> .....	-1,800.85	
			<i>For Class 54 Rating, Add</i> .....	2,478.60	
			<i>For Class 55 Rating, Add</i> .....	3,696.61	
			<i>For Class 56 Rating, Add</i> .....	4,898.25	
40 05 19 00-2992	EA		24" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	18,892.22	1,263.75
			<i>For Class 52 Rating, Deduct</i> .....	-1,867.52	
			<i>For Class 54 Rating, Add</i> .....	2,569.59	
			<i>For Class 55 Rating, Add</i> .....	3,831.93	
			<i>For Class 56 Rating, Add</i> .....	5,077.28	
40 05 19 00-2993	EA		24" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	19,504.50	1,267.80
			<i>For Class 52 Rating, Deduct</i> .....	-1,934.19	
			<i>For Class 54 Rating, Add</i> .....	2,660.59	
			<i>For Class 55 Rating, Add</i> .....	3,967.24	
			<i>For Class 56 Rating, Add</i> .....	5,256.31	
40 05 19 00-2994	EA		24" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	20,116.77	1,271.84
			<i>For Class 52 Rating, Deduct</i> .....	-2,000.87	
			<i>For Class 54 Rating, Add</i> .....	2,751.58	
			<i>For Class 55 Rating, Add</i> .....	4,102.56	
			<i>For Class 56 Rating, Add</i> .....	5,435.34	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-2995	EA	24"	Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,729.03	1,275.89
			<i>For Class 52 Rating, Deduct</i> .....	-2,067.54	
			<i>For Class 54 Rating, Add</i> .....	2,842.58	
			<i>For Class 55 Rating, Add</i> .....	4,237.87	
			<i>For Class 56 Rating, Add</i> .....	5,614.37	
40 05 19 00-2996	EA	24"	Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,341.30	1,279.95
			<i>For Class 52 Rating, Deduct</i> .....	-2,134.22	
			<i>For Class 54 Rating, Add</i> .....	2,933.57	
			<i>For Class 55 Rating, Add</i> .....	4,373.19	
			<i>For Class 56 Rating, Add</i> .....	5,793.40	
40 05 19 00-2997	EA	24"	Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,953.57	1,284.00
			<i>For Class 52 Rating, Deduct</i> .....	-2,200.89	
			<i>For Class 54 Rating, Add</i> .....	3,024.56	
			<i>For Class 55 Rating, Add</i> .....	4,508.50	
			<i>For Class 56 Rating, Add</i> .....	5,972.43	
40 05 19 00-2998	EA	24"	Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,565.85	1,288.05
			<i>For Class 52 Rating, Deduct</i> .....	-2,267.57	
			<i>For Class 54 Rating, Add</i> .....	3,115.56	
			<i>For Class 55 Rating, Add</i> .....	4,643.82	
			<i>For Class 56 Rating, Add</i> .....	6,151.46	
40 05 19 00-2999	EA	24"	Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,178.12	1,292.10
			<i>For Class 52 Rating, Deduct</i> .....	-2,334.24	
			<i>For Class 54 Rating, Add</i> .....	3,206.55	
			<i>For Class 55 Rating, Add</i> .....	4,779.13	
			<i>For Class 56 Rating, Add</i> .....	6,330.49	
40 05 19 00-3000	EA	24"	Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,790.39	1,296.15
			<i>For Class 52 Rating, Deduct</i> .....	-2,400.92	
			<i>For Class 54 Rating, Add</i> .....	3,297.54	
			<i>For Class 55 Rating, Add</i> .....	4,914.45	
			<i>For Class 56 Rating, Add</i> .....	6,509.52	
40 05 19 00-3001	EA	24"	Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,507.00	1,369.06
			<i>For Class 52 Rating, Deduct</i> .....	-2,467.59	
			<i>For Class 54 Rating, Add</i> .....	3,389.79	
			<i>For Class 55 Rating, Add</i> .....	5,052.27	
			<i>For Class 56 Rating, Add</i> .....	6,692.31	
40 05 19 00-3002	EA	24"	Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,119.26	1,373.11
			<i>For Class 52 Rating, Deduct</i> .....	-2,534.27	
			<i>For Class 54 Rating, Add</i> .....	3,480.78	
			<i>For Class 55 Rating, Add</i> .....	5,187.58	
			<i>For Class 56 Rating, Add</i> .....	6,871.34	
40 05 19 00-3003	EA	24"	Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,731.53	1,377.16
			<i>For Class 52 Rating, Deduct</i> .....	-2,600.94	
			<i>For Class 54 Rating, Add</i> .....	3,571.78	
			<i>For Class 55 Rating, Add</i> .....	5,322.90	
			<i>For Class 56 Rating, Add</i> .....	7,050.37	
40 05 19 00-3004	EA	24"	Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,343.80	1,381.21
			<i>For Class 52 Rating, Deduct</i> .....	-2,667.62	
			<i>For Class 54 Rating, Add</i> .....	3,662.77	
			<i>For Class 55 Rating, Add</i> .....	5,458.21	
			<i>For Class 56 Rating, Add</i> .....	7,229.40	
40 05 19 00-3005	EA	24"	Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,956.07	1,385.26
			<i>For Class 52 Rating, Deduct</i> .....	-2,734.29	
			<i>For Class 54 Rating, Add</i> .....	3,753.77	
			<i>For Class 55 Rating, Add</i> .....	5,593.53	
			<i>For Class 56 Rating, Add</i> .....	7,408.43	
40 05 19 00-3006	EA	24"	Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,565.48	1,389.31
			<i>For Class 52 Rating, Deduct</i> .....	-2,800.65	
			<i>For Class 54 Rating, Add</i> .....	3,844.33	
			<i>For Class 55 Rating, Add</i> .....	5,728.20	
			<i>For Class 56 Rating, Add</i> .....	7,586.62	
40 05 19 00-3007	EA	24"	Flanged x Grooved (FxG), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,180.61	1,393.36
			<i>For Class 52 Rating, Deduct</i> .....	-2,867.64	
			<i>For Class 54 Rating, Add</i> .....	3,935.75	
			<i>For Class 55 Rating, Add</i> .....	5,864.16	
			<i>For Class 56 Rating, Add</i> .....	7,766.49	
40 05 19 00-3008	EA	24"	Flanged x Grooved (FxG), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,792.88	1,397.41
			<i>For Class 52 Rating, Deduct</i> .....	-2,934.31	
			<i>For Class 54 Rating, Add</i> .....	4,026.75	
			<i>For Class 55 Rating, Add</i> .....	5,999.47	
			<i>For Class 56 Rating, Add</i> .....	7,945.52	
40 05 19 00-3009	EA	24"	Flanged x Grooved (FxG), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,405.15	1,401.46
			<i>For Class 52 Rating, Deduct</i> .....	-3,000.99	
			<i>For Class 54 Rating, Add</i> .....	4,117.74	
			<i>For Class 55 Rating, Add</i> .....	6,134.79	
			<i>For Class 56 Rating, Add</i> .....	8,124.55	



MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3010		30" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2614)</small>		
40 05 19 00-3011	EA	30" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	10,173.77	1,668.80
		For Class 52 Rating, Deduct	-840.98	
		For Class 54 Rating, Add	1,177.14	
		For Class 55 Rating, Add	1,765.58	
		For Class 56 Rating, Add	2,346.39	
40 05 19 00-3012	EA	30" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,049.07	1,672.85
		For Class 52 Rating, Deduct	-936.59	
		For Class 54 Rating, Add	1,307.58	
		For Class 55 Rating, Add	1,959.56	
		For Class 56 Rating, Add	2,603.01	
40 05 19 00-3013	EA	30" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	11,924.38	1,676.90
		For Class 52 Rating, Deduct	-1,032.20	
		For Class 54 Rating, Add	1,438.03	
		For Class 55 Rating, Add	2,153.53	
		For Class 56 Rating, Add	2,859.64	
40 05 19 00-3014	EA	30" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	12,799.69	1,680.95
		For Class 52 Rating, Deduct	-1,127.81	
		For Class 54 Rating, Add	1,568.48	
		For Class 55 Rating, Add	2,347.50	
		For Class 56 Rating, Add	3,116.26	
40 05 19 00-3015	EA	30" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	13,675.01	1,684.99
		For Class 52 Rating, Deduct	-1,223.42	
		For Class 54 Rating, Add	1,698.93	
		For Class 55 Rating, Add	2,541.47	
		For Class 56 Rating, Add	3,372.89	
40 05 19 00-3016	EA	30" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	14,550.32	1,689.04
		For Class 52 Rating, Deduct	-1,319.03	
		For Class 54 Rating, Add	1,829.38	
		For Class 55 Rating, Add	2,735.45	
		For Class 56 Rating, Add	3,629.52	
40 05 19 00-3017	EA	30" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	15,425.62	1,693.09
		For Class 52 Rating, Deduct	-1,414.64	
		For Class 54 Rating, Add	1,959.83	
		For Class 55 Rating, Add	2,929.42	
		For Class 56 Rating, Add	3,886.15	
40 05 19 00-3018	EA	30" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	16,300.93	1,697.15
		For Class 52 Rating, Deduct	-1,510.24	
		For Class 54 Rating, Add	2,090.28	
		For Class 55 Rating, Add	3,123.39	
		For Class 56 Rating, Add	4,142.77	
40 05 19 00-3019	EA	30" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	17,176.25	1,701.20
		For Class 52 Rating, Deduct	-1,605.85	
		For Class 54 Rating, Add	2,220.73	
		For Class 55 Rating, Add	3,317.37	
		For Class 56 Rating, Add	4,399.40	
40 05 19 00-3020	EA	30" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	18,051.56	1,705.25
		For Class 52 Rating, Deduct	-1,701.46	
		For Class 54 Rating, Add	2,351.18	
		For Class 55 Rating, Add	3,511.34	
		For Class 56 Rating, Add	4,656.03	
40 05 19 00-3021	EA	30" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	18,926.85	1,709.30
		For Class 52 Rating, Deduct	-1,797.07	
		For Class 54 Rating, Add	2,481.63	
		For Class 55 Rating, Add	3,705.31	
		For Class 56 Rating, Add	4,912.65	
40 05 19 00-3022	EA	30" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	19,802.16	1,713.35
		For Class 52 Rating, Deduct	-1,892.68	
		For Class 54 Rating, Add	2,612.08	
		For Class 55 Rating, Add	3,899.28	
		For Class 56 Rating, Add	5,169.28	
40 05 19 00-3023	EA	30" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	20,677.48	1,717.40
		For Class 52 Rating, Deduct	-1,988.29	
		For Class 54 Rating, Add	2,742.53	
		For Class 55 Rating, Add	4,093.26	
		For Class 56 Rating, Add	5,425.91	
40 05 19 00-3024	EA	30" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	21,552.79	1,721.45
		For Class 52 Rating, Deduct	-2,083.90	
		For Class 54 Rating, Add	2,872.98	
		For Class 55 Rating, Add	4,287.23	
		For Class 56 Rating, Add	5,682.53	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3025	EA		30" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,428.10	1,725.50
			<i>For Class 52 Rating, Deduct</i> .....	-2,179.51	
			<i>For Class 54 Rating, Add</i> .....	3,003.43	
			<i>For Class 55 Rating, Add</i> .....	4,481.20	
			<i>For Class 56 Rating, Add</i> .....	5,939.16	
40 05 19 00-3026	EA		30" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,303.40	1,729.55
			<i>For Class 52 Rating, Deduct</i> .....	-2,275.12	
			<i>For Class 54 Rating, Add</i> .....	3,133.88	
			<i>For Class 55 Rating, Add</i> .....	4,675.17	
			<i>For Class 56 Rating, Add</i> .....	6,195.79	
40 05 19 00-3027	EA		30" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,178.72	1,733.60
			<i>For Class 52 Rating, Deduct</i> .....	-2,370.73	
			<i>For Class 54 Rating, Add</i> .....	3,264.33	
			<i>For Class 55 Rating, Add</i> .....	4,869.15	
			<i>For Class 56 Rating, Add</i> .....	6,452.41	
40 05 19 00-3028	EA		30" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,054.03	1,737.66
			<i>For Class 52 Rating, Deduct</i> .....	-2,466.33	
			<i>For Class 54 Rating, Add</i> .....	3,394.78	
			<i>For Class 55 Rating, Add</i> .....	5,063.12	
			<i>For Class 56 Rating, Add</i> .....	6,709.04	
40 05 19 00-3029	EA		30" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,929.34	1,741.71
			<i>For Class 52 Rating, Deduct</i> .....	-2,561.94	
			<i>For Class 54 Rating, Add</i> .....	3,525.23	
			<i>For Class 55 Rating, Add</i> .....	5,257.09	
			<i>For Class 56 Rating, Add</i> .....	6,965.67	
40 05 19 00-3030	EA		30" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	26,804.64	1,745.76
			<i>For Class 52 Rating, Deduct</i> .....	-2,657.55	
			<i>For Class 54 Rating, Add</i> .....	3,655.67	
			<i>For Class 55 Rating, Add</i> .....	5,451.06	
			<i>For Class 56 Rating, Add</i> .....	7,222.29	
40 05 19 00-3031	EA		30" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,679.96	1,749.81
			<i>For Class 52 Rating, Deduct</i> .....	-2,753.16	
			<i>For Class 54 Rating, Add</i> .....	3,786.13	
			<i>For Class 55 Rating, Add</i> .....	5,645.04	
			<i>For Class 56 Rating, Add</i> .....	7,478.92	
40 05 19 00-3032	EA		30" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	28,555.27	1,753.86
			<i>For Class 52 Rating, Deduct</i> .....	-2,848.77	
			<i>For Class 54 Rating, Add</i> .....	3,916.57	
			<i>For Class 55 Rating, Add</i> .....	5,839.01	
			<i>For Class 56 Rating, Add</i> .....	7,735.55	
40 05 19 00-3033	EA		30" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,430.58	1,757.91
			<i>For Class 52 Rating, Deduct</i> .....	-2,944.38	
			<i>For Class 54 Rating, Add</i> .....	4,047.02	
			<i>For Class 55 Rating, Add</i> .....	6,032.98	
			<i>For Class 56 Rating, Add</i> .....	7,992.17	
40 05 19 00-3034	EA		30" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,305.88	1,761.96
			<i>For Class 52 Rating, Deduct</i> .....	-3,039.99	
			<i>For Class 54 Rating, Add</i> .....	4,177.47	
			<i>For Class 55 Rating, Add</i> .....	6,226.95	
			<i>For Class 56 Rating, Add</i> .....	8,248.80	
40 05 19 00-3035	EA		30" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	31,181.19	1,766.00
			<i>For Class 52 Rating, Deduct</i> .....	-3,135.60	
			<i>For Class 54 Rating, Add</i> .....	4,307.92	
			<i>For Class 55 Rating, Add</i> .....	6,420.93	
			<i>For Class 56 Rating, Add</i> .....	8,505.43	
40 05 19 00-3036	EA		30" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,056.50	1,770.05
			<i>For Class 52 Rating, Deduct</i> .....	-3,231.21	
			<i>For Class 54 Rating, Add</i> .....	4,438.37	
			<i>For Class 55 Rating, Add</i> .....	6,614.90	
			<i>For Class 56 Rating, Add</i> .....	8,762.06	
40 05 19 00-3037	EA		30" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,931.81	1,774.10
			<i>For Class 52 Rating, Deduct</i> .....	-3,326.81	
			<i>For Class 54 Rating, Add</i> .....	4,568.82	
			<i>For Class 55 Rating, Add</i> .....	6,808.87	
			<i>For Class 56 Rating, Add</i> .....	9,018.68	
40 05 19 00-3038	EA		30" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,807.12	1,778.15
			<i>For Class 52 Rating, Deduct</i> .....	-3,422.42	
			<i>For Class 54 Rating, Add</i> .....	4,699.27	
			<i>For Class 55 Rating, Add</i> .....	7,002.85	
			<i>For Class 56 Rating, Add</i> .....	9,275.31	
40 05 19 00-3039	EA		30" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,682.44	1,782.21
			<i>For Class 52 Rating, Deduct</i> .....	-3,518.03	
			<i>For Class 54 Rating, Add</i> .....	4,829.72	
			<i>For Class 55 Rating, Add</i> .....	7,196.82	
			<i>For Class 56 Rating, Add</i> .....	9,531.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3040	EA		30" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,557.74	1,786.26
			<i>For Class 52 Rating, Deduct</i>	-3,613.64	
			<i>For Class 54 Rating, Add</i>	4,960.17	
			<i>For Class 55 Rating, Add</i>	7,390.79	
			<i>For Class 56 Rating, Add</i>	9,788.56	
40 05 19 00-3041	EA		30" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,433.05	1,790.31
			<i>For Class 52 Rating, Deduct</i>	-3,709.25	
			<i>For Class 54 Rating, Add</i>	5,090.62	
			<i>For Class 55 Rating, Add</i>	7,584.76	
			<i>For Class 56 Rating, Add</i>	10,045.19	
40 05 19 00-3042	EA		30" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,308.36	1,794.36
			<i>For Class 52 Rating, Deduct</i>	-3,804.86	
			<i>For Class 54 Rating, Add</i>	5,221.07	
			<i>For Class 55 Rating, Add</i>	7,778.74	
			<i>For Class 56 Rating, Add</i>	10,301.82	
40 05 19 00-3043	EA		30" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,183.68	1,798.41
			<i>For Class 52 Rating, Deduct</i>	-3,900.47	
			<i>For Class 54 Rating, Add</i>	5,351.52	
			<i>For Class 55 Rating, Add</i>	7,972.71	
			<i>For Class 56 Rating, Add</i>	10,558.44	
40 05 19 00-3044	EA		30" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,058.98	1,802.46
			<i>For Class 52 Rating, Deduct</i>	-3,996.08	
			<i>For Class 54 Rating, Add</i>	5,481.97	
			<i>For Class 55 Rating, Add</i>	8,166.68	
			<i>For Class 56 Rating, Add</i>	10,815.07	
40 05 19 00-3045	EA		30" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,934.29	1,806.51
			<i>For Class 52 Rating, Deduct</i>	-4,091.69	
			<i>For Class 54 Rating, Add</i>	5,612.42	
			<i>For Class 55 Rating, Add</i>	8,360.66	
			<i>For Class 56 Rating, Add</i>	11,071.70	
<b>40 05 19 00-3046</b>			<b>36" Flanged End x Grooved End (FxG), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-2614)</small>		
40 05 19 00-3047	EA		36" Flanged x Grooved (FxG), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,013.89	2,114.35
			<i>For Class 52 Rating, Deduct</i>	-1,189.14	
			<i>For Class 54 Rating, Add</i>	1,659.99	
			<i>For Class 55 Rating, Add</i>	2,487.59	
			<i>For Class 56 Rating, Add</i>	3,304.38	
40 05 19 00-3048	EA		36" Flanged x Grooved (FxG), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,186.55	2,118.40
			<i>For Class 52 Rating, Deduct</i>	-1,317.45	
			<i>For Class 54 Rating, Add</i>	1,835.04	
			<i>For Class 55 Rating, Add</i>	2,747.87	
			<i>For Class 56 Rating, Add</i>	3,648.72	
40 05 19 00-3049	EA		36" Flanged x Grooved (FxG), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,359.20	2,122.45
			<i>For Class 52 Rating, Deduct</i>	-1,445.77	
			<i>For Class 54 Rating, Add</i>	2,010.10	
			<i>For Class 55 Rating, Add</i>	3,008.15	
			<i>For Class 56 Rating, Add</i>	3,993.06	
40 05 19 00-3050	EA		36" Flanged x Grooved (FxG), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,531.87	2,126.50
			<i>For Class 52 Rating, Deduct</i>	-1,574.09	
			<i>For Class 54 Rating, Add</i>	2,185.15	
			<i>For Class 55 Rating, Add</i>	3,268.43	
			<i>For Class 56 Rating, Add</i>	4,337.41	
40 05 19 00-3051	EA		36" Flanged x Grooved (FxG), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,704.53	2,130.55
			<i>For Class 52 Rating, Deduct</i>	-1,702.41	
			<i>For Class 54 Rating, Add</i>	2,360.20	
			<i>For Class 55 Rating, Add</i>	3,528.72	
			<i>For Class 56 Rating, Add</i>	4,681.76	
40 05 19 00-3052	EA		36" Flanged x Grooved (FxG), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,877.19	2,134.60
			<i>For Class 52 Rating, Deduct</i>	-1,830.72	
			<i>For Class 54 Rating, Add</i>	2,535.25	
			<i>For Class 55 Rating, Add</i>	3,789.00	
			<i>For Class 56 Rating, Add</i>	5,026.10	
40 05 19 00-3053	EA		36" Flanged x Grooved (FxG), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,049.84	2,138.65
			<i>For Class 52 Rating, Deduct</i>	-1,959.04	
			<i>For Class 54 Rating, Add</i>	2,710.30	
			<i>For Class 55 Rating, Add</i>	4,049.28	
			<i>For Class 56 Rating, Add</i>	5,370.44	
40 05 19 00-3054	EA		36" Flanged x Grooved (FxG), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,222.49	2,142.70
			<i>For Class 52 Rating, Deduct</i>	-2,087.36	
			<i>For Class 54 Rating, Add</i>	2,885.36	
			<i>For Class 55 Rating, Add</i>	4,309.56	
			<i>For Class 56 Rating, Add</i>	5,714.79	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3055	EA		36" Flanged x Grooved (FxG), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	23,395.15	2,146.75
			<i>For Class 52 Rating, Deduct</i> .....	-2,215.68	
			<i>For Class 54 Rating, Add</i> .....	3,060.41	
			<i>For Class 55 Rating, Add</i> .....	4,569.84	
			<i>For Class 56 Rating, Add</i> .....	6,059.13	
40 05 19 00-3056	EA		36" Flanged x Grooved (FxG), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	24,567.81	2,150.80
			<i>For Class 52 Rating, Deduct</i> .....	-2,343.99	
			<i>For Class 54 Rating, Add</i> .....	3,235.46	
			<i>For Class 55 Rating, Add</i> .....	4,830.12	
			<i>For Class 56 Rating, Add</i> .....	6,403.48	
40 05 19 00-3057	EA		36" Flanged x Grooved (FxG), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	25,740.47	2,154.85
			<i>For Class 52 Rating, Deduct</i> .....	-2,472.31	
			<i>For Class 54 Rating, Add</i> .....	3,410.51	
			<i>For Class 55 Rating, Add</i> .....	5,090.40	
			<i>For Class 56 Rating, Add</i> .....	6,747.82	
40 05 19 00-3058	EA		36" Flanged x Grooved (FxG), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	26,913.12	2,158.91
			<i>For Class 52 Rating, Deduct</i> .....	-2,600.63	
			<i>For Class 54 Rating, Add</i> .....	3,585.56	
			<i>For Class 55 Rating, Add</i> .....	5,350.68	
			<i>For Class 56 Rating, Add</i> .....	7,092.17	
40 05 19 00-3059	EA		36" Flanged x Grooved (FxG), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	28,085.78	2,162.96
			<i>For Class 52 Rating, Deduct</i> .....	-2,728.94	
			<i>For Class 54 Rating, Add</i> .....	3,760.61	
			<i>For Class 55 Rating, Add</i> .....	5,610.97	
			<i>For Class 56 Rating, Add</i> .....	7,436.51	
40 05 19 00-3060	EA		36" Flanged x Grooved (FxG), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	29,258.45	2,167.01
			<i>For Class 52 Rating, Deduct</i> .....	-2,857.26	
			<i>For Class 54 Rating, Add</i> .....	3,935.67	
			<i>For Class 55 Rating, Add</i> .....	5,871.25	
			<i>For Class 56 Rating, Add</i> .....	7,780.86	
40 05 19 00-3061	EA		36" Flanged x Grooved (FxG), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	30,431.11	2,171.06
			<i>For Class 52 Rating, Deduct</i> .....	-2,985.58	
			<i>For Class 54 Rating, Add</i> .....	4,110.72	
			<i>For Class 55 Rating, Add</i> .....	6,131.53	
			<i>For Class 56 Rating, Add</i> .....	8,125.20	
40 05 19 00-3062	EA		36" Flanged x Grooved (FxG), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	31,603.76	2,175.10
			<i>For Class 52 Rating, Deduct</i> .....	-3,113.90	
			<i>For Class 54 Rating, Add</i> .....	4,285.77	
			<i>For Class 55 Rating, Add</i> .....	6,391.81	
			<i>For Class 56 Rating, Add</i> .....	8,469.55	
40 05 19 00-3063	EA		36" Flanged x Grooved (FxG), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	32,776.42	2,179.15
			<i>For Class 52 Rating, Deduct</i> .....	-3,242.21	
			<i>For Class 54 Rating, Add</i> .....	4,460.82	
			<i>For Class 55 Rating, Add</i> .....	6,652.09	
			<i>For Class 56 Rating, Add</i> .....	8,813.89	
40 05 19 00-3064	EA		36" Flanged x Grooved (FxG), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	33,949.08	2,183.20
			<i>For Class 52 Rating, Deduct</i> .....	-3,370.53	
			<i>For Class 54 Rating, Add</i> .....	4,635.87	
			<i>For Class 55 Rating, Add</i> .....	6,912.37	
			<i>For Class 56 Rating, Add</i> .....	9,158.24	
40 05 19 00-3065	EA		36" Flanged x Grooved (FxG), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	35,121.74	2,187.25
			<i>For Class 52 Rating, Deduct</i> .....	-3,498.85	
			<i>For Class 54 Rating, Add</i> .....	4,810.92	
			<i>For Class 55 Rating, Add</i> .....	7,172.66	
			<i>For Class 56 Rating, Add</i> .....	9,502.58	
40 05 19 00-3066	EA		36" Flanged x Grooved (FxG), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	36,294.40	2,191.30
			<i>For Class 52 Rating, Deduct</i> .....	-3,627.17	
			<i>For Class 54 Rating, Add</i> .....	4,985.98	
			<i>For Class 55 Rating, Add</i> .....	7,432.94	
			<i>For Class 56 Rating, Add</i> .....	9,846.92	
40 05 19 00-3067	EA		36" Flanged x Grooved (FxG), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	37,467.04	2,195.35
			<i>For Class 52 Rating, Deduct</i> .....	-3,755.48	
			<i>For Class 54 Rating, Add</i> .....	5,161.03	
			<i>For Class 55 Rating, Add</i> .....	7,693.22	
			<i>For Class 56 Rating, Add</i> .....	10,191.27	
40 05 19 00-3068	EA		36" Flanged x Grooved (FxG), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	38,639.70	2,199.41
			<i>For Class 52 Rating, Deduct</i> .....	-3,883.80	
			<i>For Class 54 Rating, Add</i> .....	5,336.08	
			<i>For Class 55 Rating, Add</i> .....	7,953.50	
			<i>For Class 56 Rating, Add</i> .....	10,535.61	
40 05 19 00-3069	EA		36" Flanged x Grooved (FxG), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe .....	39,812.36	2,203.46
			<i>For Class 52 Rating, Deduct</i> .....	-4,012.12	
			<i>For Class 54 Rating, Add</i> .....	5,511.13	
			<i>For Class 55 Rating, Add</i> .....	8,213.78	
			<i>For Class 56 Rating, Add</i> .....	10,879.96	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3070	EA		36" Flanged x Grooved (FxG), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,985.02	2,207.51
			<i>For Class 52 Rating, Deduct</i>	-4,140.43	
			<i>For Class 54 Rating, Add</i>	5,686.18	
			<i>For Class 55 Rating, Add</i>	8,474.06	
			<i>For Class 56 Rating, Add</i>	11,224.30	
40 05 19 00-3071	EA		36" Flanged x Grooved (FxG), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	42,157.69	2,211.56
			<i>For Class 52 Rating, Deduct</i>	-4,268.75	
			<i>For Class 54 Rating, Add</i>	5,861.24	
			<i>For Class 55 Rating, Add</i>	8,734.35	
			<i>For Class 56 Rating, Add</i>	11,568.65	
40 05 19 00-3072	EA		36" Flanged x Grooved (FxG), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,330.34	2,215.61
			<i>For Class 52 Rating, Deduct</i>	-4,397.07	
			<i>For Class 54 Rating, Add</i>	6,036.29	
			<i>For Class 55 Rating, Add</i>	8,994.63	
			<i>For Class 56 Rating, Add</i>	11,912.99	
40 05 19 00-3073	EA		36" Flanged x Grooved (FxG), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,503.00	2,219.66
			<i>For Class 52 Rating, Deduct</i>	-4,525.39	
			<i>For Class 54 Rating, Add</i>	6,211.34	
			<i>For Class 55 Rating, Add</i>	9,254.91	
			<i>For Class 56 Rating, Add</i>	12,257.34	
40 05 19 00-3074	EA		36" Flanged x Grooved (FxG), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	45,675.66	2,223.71
			<i>For Class 52 Rating, Deduct</i>	-4,653.70	
			<i>For Class 54 Rating, Add</i>	6,386.39	
			<i>For Class 55 Rating, Add</i>	9,515.19	
			<i>For Class 56 Rating, Add</i>	12,601.68	
40 05 19 00-3075	EA		36" Flanged x Grooved (FxG), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,848.32	2,227.76
			<i>For Class 52 Rating, Deduct</i>	-4,782.02	
			<i>For Class 54 Rating, Add</i>	6,561.44	
			<i>For Class 55 Rating, Add</i>	9,775.47	
			<i>For Class 56 Rating, Add</i>	12,946.03	
40 05 19 00-3076	EA		36" Flanged x Grooved (FxG), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	48,020.97	2,231.81
			<i>For Class 52 Rating, Deduct</i>	-4,910.34	
			<i>For Class 54 Rating, Add</i>	6,736.49	
			<i>For Class 55 Rating, Add</i>	10,035.75	
			<i>For Class 56 Rating, Add</i>	13,290.37	
40 05 19 00-3077	EA		36" Flanged x Grooved (FxG), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	49,193.63	2,235.86
			<i>For Class 52 Rating, Deduct</i>	-5,038.66	
			<i>For Class 54 Rating, Add</i>	6,911.55	
			<i>For Class 55 Rating, Add</i>	10,296.03	
			<i>For Class 56 Rating, Add</i>	13,634.71	
40 05 19 00-3078	EA		36" Flanged x Grooved (FxG), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	50,366.29	2,239.92
			<i>For Class 52 Rating, Deduct</i>	-5,166.97	
			<i>For Class 54 Rating, Add</i>	7,086.60	
			<i>For Class 55 Rating, Add</i>	10,556.31	
			<i>For Class 56 Rating, Add</i>	13,979.06	
40 05 19 00-3079	EA		36" Flanged x Grooved (FxG), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	51,538.95	2,243.97
			<i>For Class 52 Rating, Deduct</i>	-5,295.29	
			<i>For Class 54 Rating, Add</i>	7,261.65	
			<i>For Class 55 Rating, Add</i>	10,816.60	
			<i>For Class 56 Rating, Add</i>	14,323.40	
40 05 19 00-3080	EA		36" Flanged x Grooved (FxG), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	52,711.60	2,248.02
			<i>For Class 52 Rating, Deduct</i>	-5,423.61	
			<i>For Class 54 Rating, Add</i>	7,436.70	
			<i>For Class 55 Rating, Add</i>	11,076.88	
			<i>For Class 56 Rating, Add</i>	14,667.75	
40 05 19 00-3081	EA		36" Flanged x Grooved (FxG), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	53,884.26	2,252.07
			<i>For Class 52 Rating, Deduct</i>	-5,551.93	
			<i>For Class 54 Rating, Add</i>	7,611.75	
			<i>For Class 55 Rating, Add</i>	11,337.16	
			<i>For Class 56 Rating, Add</i>	15,012.09	
40 05 19 00-3082			Flanged End x Plain End (FxPE), Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-2073)</small>		
40 05 19 00-3083			4" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3082)</small>		
40 05 19 00-3084	EA		4" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	783.33	198.09
			<i>For Class 52 Rating, Deduct</i>	-53.15	
			<i>For Class 54 Rating, Add</i>	76.08	
			<i>For Class 55 Rating, Add</i>	114.95	
			<i>For Class 56 Rating, Add</i>	153.35	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3085	EA		4" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	897.22	201.56
			For Class 52 Rating, Deduct	-65.10	
			For Class 54 Rating, Add	92.44	
			For Class 55 Rating, Add	139.31	
			For Class 56 Rating, Add	185.59	
40 05 19 00-3086	EA		4" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,011.11	205.03
			For Class 52 Rating, Deduct	-77.05	
			For Class 54 Rating, Add	108.80	
			For Class 55 Rating, Add	163.66	
			For Class 56 Rating, Add	217.82	
40 05 19 00-3087	EA		4" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,125.01	208.48
			For Class 52 Rating, Deduct	-89.00	
			For Class 54 Rating, Add	125.16	
			For Class 55 Rating, Add	188.02	
			For Class 56 Rating, Add	250.07	
40 05 19 00-3088	EA		4" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,238.90	211.94
			For Class 52 Rating, Deduct	-100.96	
			For Class 54 Rating, Add	141.52	
			For Class 55 Rating, Add	212.37	
			For Class 56 Rating, Add	282.31	
40 05 19 00-3089	EA		4" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,352.79	215.41
			For Class 52 Rating, Deduct	-112.91	
			For Class 54 Rating, Add	157.88	
			For Class 55 Rating, Add	236.72	
			For Class 56 Rating, Add	314.54	
40 05 19 00-3090	EA		4" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,466.69	218.88
			For Class 52 Rating, Deduct	-124.86	
			For Class 54 Rating, Add	174.24	
			For Class 55 Rating, Add	261.08	
			For Class 56 Rating, Add	346.78	
40 05 19 00-3091	EA		4" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,580.58	222.33
			For Class 52 Rating, Deduct	-136.81	
			For Class 54 Rating, Add	190.60	
			For Class 55 Rating, Add	285.43	
			For Class 56 Rating, Add	379.02	
40 05 19 00-3092	EA		4" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,694.47	225.80
			For Class 52 Rating, Deduct	-148.76	
			For Class 54 Rating, Add	206.96	
			For Class 55 Rating, Add	309.79	
			For Class 56 Rating, Add	411.26	
40 05 19 00-3093	EA		4" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,808.37	229.27
			For Class 52 Rating, Deduct	-160.71	
			For Class 54 Rating, Add	223.32	
			For Class 55 Rating, Add	334.14	
			For Class 56 Rating, Add	443.50	
40 05 19 00-3094	EA		4" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	1,922.26	232.72
			For Class 52 Rating, Deduct	-172.66	
			For Class 54 Rating, Add	239.68	
			For Class 55 Rating, Add	358.50	
			For Class 56 Rating, Add	475.74	
40 05 19 00-3095	EA		4" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,036.15	236.18
			For Class 52 Rating, Deduct	-184.61	
			For Class 54 Rating, Add	256.04	
			For Class 55 Rating, Add	382.85	
			For Class 56 Rating, Add	507.98	
40 05 19 00-3096	EA		4" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,150.05	239.66
			For Class 52 Rating, Deduct	-196.56	
			For Class 54 Rating, Add	272.40	
			For Class 55 Rating, Add	407.20	
			For Class 56 Rating, Add	540.22	
40 05 19 00-3097	EA		4" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,263.95	243.12
			For Class 52 Rating, Deduct	-208.52	
			For Class 54 Rating, Add	288.76	
			For Class 55 Rating, Add	431.56	
			For Class 56 Rating, Add	572.46	
40 05 19 00-3098	EA		4" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,377.83	246.57
			For Class 52 Rating, Deduct	-220.47	
			For Class 54 Rating, Add	305.12	
			For Class 55 Rating, Add	455.91	
			For Class 56 Rating, Add	604.70	
40 05 19 00-3099	EA		4" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,491.73	250.04
			For Class 52 Rating, Deduct	-232.42	
			For Class 54 Rating, Add	321.48	
			For Class 55 Rating, Add	480.27	
			For Class 56 Rating, Add	636.94	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3100	EA		4" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,605.63	253.50
			For Class 52 Rating, Deduct	-244.37	
			For Class 54 Rating, Add	337.84	
			For Class 55 Rating, Add	504.62	
			For Class 56 Rating, Add	669.18	
40 05 19 00-3101	EA		4" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,719.51	256.96
			For Class 52 Rating, Deduct	-256.32	
			For Class 54 Rating, Add	354.20	
			For Class 55 Rating, Add	528.97	
			For Class 56 Rating, Add	701.42	
40 05 19 00-3102	EA		4" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,833.41	260.43
			For Class 52 Rating, Deduct	-268.27	
			For Class 54 Rating, Add	370.56	
			For Class 55 Rating, Add	553.33	
			For Class 56 Rating, Add	733.66	
40 05 19 00-3103	EA		4" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	2,947.31	263.90
			For Class 52 Rating, Deduct	-280.22	
			For Class 54 Rating, Add	386.92	
			For Class 55 Rating, Add	577.68	
			For Class 56 Rating, Add	765.90	
40 05 19 00-3104	EA		4" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,061.19	267.36
			For Class 52 Rating, Deduct	-292.17	
			For Class 54 Rating, Add	403.28	
			For Class 55 Rating, Add	602.04	
			For Class 56 Rating, Add	798.14	
40 05 19 00-3105	EA		4" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,175.10	270.81
			For Class 52 Rating, Deduct	-304.12	
			For Class 54 Rating, Add	419.64	
			For Class 55 Rating, Add	626.39	
			For Class 56 Rating, Add	830.38	
40 05 19 00-3106	EA		4" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,289.00	274.28
			For Class 52 Rating, Deduct	-316.08	
			For Class 54 Rating, Add	436.00	
			For Class 55 Rating, Add	650.75	
			For Class 56 Rating, Add	862.62	
40 05 19 00-3107	EA		4" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,402.88	277.74
			For Class 52 Rating, Deduct	-328.03	
			For Class 54 Rating, Add	452.36	
			For Class 55 Rating, Add	675.10	
			For Class 56 Rating, Add	894.86	
40 05 19 00-3108	EA		4" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,796.97	281.21
			For Class 52 Rating, Deduct	-370.80	
			For Class 54 Rating, Add	510.75	
			For Class 55 Rating, Add	761.94	
			For Class 56 Rating, Add	1,009.75	
40 05 19 00-3109	EA		4" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,910.87	284.67
			For Class 52 Rating, Deduct	-382.75	
			For Class 54 Rating, Add	527.11	
			For Class 55 Rating, Add	786.29	
			For Class 56 Rating, Add	1,041.99	
40 05 19 00-3110	EA		4" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,024.76	288.14
			For Class 52 Rating, Deduct	-394.70	
			For Class 54 Rating, Add	543.47	
			For Class 55 Rating, Add	810.65	
			For Class 56 Rating, Add	1,074.24	
40 05 19 00-3111	EA		4" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,138.65	291.60
			For Class 52 Rating, Deduct	-406.65	
			For Class 54 Rating, Add	559.83	
			For Class 55 Rating, Add	835.00	
			For Class 56 Rating, Add	1,106.47	
40 05 19 00-3112	EA		4" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,252.55	295.05
			For Class 52 Rating, Deduct	-418.60	
			For Class 54 Rating, Add	576.19	
			For Class 55 Rating, Add	859.35	
			For Class 56 Rating, Add	1,138.71	
40 05 19 00-3113	EA		4" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,366.44	298.52
			For Class 52 Rating, Deduct	-430.56	
			For Class 54 Rating, Add	592.55	
			For Class 55 Rating, Add	883.71	
			For Class 56 Rating, Add	1,170.95	
40 05 19 00-3114	EA		4" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,480.33	301.99
			For Class 52 Rating, Deduct	-442.51	
			For Class 54 Rating, Add	608.91	
			For Class 55 Rating, Add	908.06	
			For Class 56 Rating, Add	1,203.19	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-3115	EA	4" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,594.23	305.46
		<i>For Class 52 Rating, Deduct</i>	-454.46	
		<i>For Class 54 Rating, Add</i>	625.27	
		<i>For Class 55 Rating, Add</i>	932.42	
		<i>For Class 56 Rating, Add</i>	1,235.43	
40 05 19 00-3116	EA	4" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,708.13	308.91
		<i>For Class 52 Rating, Deduct</i>	-466.41	
		<i>For Class 54 Rating, Add</i>	641.63	
		<i>For Class 55 Rating, Add</i>	956.77	
		<i>For Class 56 Rating, Add</i>	1,267.67	
40 05 19 00-3117	EA	4" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,822.01	312.38
		<i>For Class 52 Rating, Deduct</i>	-478.36	
		<i>For Class 54 Rating, Add</i>	657.99	
		<i>For Class 55 Rating, Add</i>	981.12	
		<i>For Class 56 Rating, Add</i>	1,299.91	
40 05 19 00-3118	EA	4" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,935.91	315.84
		<i>For Class 52 Rating, Deduct</i>	-490.31	
		<i>For Class 54 Rating, Add</i>	674.35	
		<i>For Class 55 Rating, Add</i>	1,005.48	
		<i>For Class 56 Rating, Add</i>	1,332.15	
40 05 19 00-3119	EA	4" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,049.80	319.29
		<i>For Class 52 Rating, Deduct</i>	-502.26	
		<i>For Class 54 Rating, Add</i>	690.71	
		<i>For Class 55 Rating, Add</i>	1,029.83	
		<i>For Class 56 Rating, Add</i>	1,364.39	
40 05 19 00-3120	EA	4" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,163.69	322.77
		<i>For Class 52 Rating, Deduct</i>	-514.21	
		<i>For Class 54 Rating, Add</i>	707.07	
		<i>For Class 55 Rating, Add</i>	1,054.19	
		<i>For Class 56 Rating, Add</i>	1,396.63	
40 05 19 00-3121	EA	4" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,277.59	326.23
		<i>For Class 52 Rating, Deduct</i>	-526.16	
		<i>For Class 54 Rating, Add</i>	723.43	
		<i>For Class 55 Rating, Add</i>	1,078.54	
		<i>For Class 56 Rating, Add</i>	1,428.87	
40 05 19 00-3122	EA	4" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,391.48	329.70
		<i>For Class 52 Rating, Deduct</i>	-538.11	
		<i>For Class 54 Rating, Add</i>	739.79	
		<i>For Class 55 Rating, Add</i>	1,102.89	
		<i>For Class 56 Rating, Add</i>	1,461.11	

## 40 05 19 00-3123 6" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)

40 05 19 00-3124	EA	6" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	963.91	249.34
		<i>For Class 52 Rating, Deduct</i>	-64.47	
		<i>For Class 54 Rating, Add</i>	92.45	
		<i>For Class 55 Rating, Add</i>	139.77	
		<i>For Class 56 Rating, Add</i>	186.51	
40 05 19 00-3125	EA	6" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,094.97	252.82
		<i>For Class 52 Rating, Deduct</i>	-78.31	
		<i>For Class 54 Rating, Add</i>	111.38	
		<i>For Class 55 Rating, Add</i>	167.95	
		<i>For Class 56 Rating, Add</i>	223.81	
40 05 19 00-3126	EA	6" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,226.02	256.27
		<i>For Class 52 Rating, Deduct</i>	-92.15	
		<i>For Class 54 Rating, Add</i>	130.32	
		<i>For Class 55 Rating, Add</i>	196.13	
		<i>For Class 56 Rating, Add</i>	261.11	
40 05 19 00-3127	EA	6" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,357.06	259.74
		<i>For Class 52 Rating, Deduct</i>	-105.99	
		<i>For Class 54 Rating, Add</i>	149.25	
		<i>For Class 55 Rating, Add</i>	224.31	
		<i>For Class 56 Rating, Add</i>	298.41	
40 05 19 00-3128	EA	6" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,488.11	263.20
		<i>For Class 52 Rating, Deduct</i>	-119.83	
		<i>For Class 54 Rating, Add</i>	168.18	
		<i>For Class 55 Rating, Add</i>	252.49	
		<i>For Class 56 Rating, Add</i>	335.71	
40 05 19 00-3129	EA	6" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,619.17	266.65
		<i>For Class 52 Rating, Deduct</i>	-133.66	
		<i>For Class 54 Rating, Add</i>	187.12	
		<i>For Class 55 Rating, Add</i>	280.67	
		<i>For Class 56 Rating, Add</i>	373.01	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3130	EA		6" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	1,750.22	270.12
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-147.50	
			For Class 54 Rating, Add	206.05	
			For Class 55 Rating, Add	308.85	
			For Class 56 Rating, Add	410.31	
40 05 19 00-3131	EA		6" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	1,881.26	273.59
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-161.34	
			For Class 54 Rating, Add	224.98	
			For Class 55 Rating, Add	337.03	
			For Class 56 Rating, Add	447.61	
40 05 19 00-3132	EA		6" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	2,012.31	277.06
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-175.18	
			For Class 54 Rating, Add	243.92	
			For Class 55 Rating, Add	365.21	
			For Class 56 Rating, Add	484.91	
40 05 19 00-3133	EA		6" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	2,143.36	280.51
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-189.02	
			For Class 54 Rating, Add	262.85	
			For Class 55 Rating, Add	393.39	
			For Class 56 Rating, Add	522.21	
40 05 19 00-3134	EA		6" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	2,274.40	283.98
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-202.85	
			For Class 54 Rating, Add	281.78	
			For Class 55 Rating, Add	421.57	
			For Class 56 Rating, Add	559.51	
40 05 19 00-3135	EA		6" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	2,405.45	287.44
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-216.69	
			For Class 54 Rating, Add	300.72	
			For Class 55 Rating, Add	449.75	
			For Class 56 Rating, Add	596.81	
40 05 19 00-3136	EA		6" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	2,536.51	290.89
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-230.53	
			For Class 54 Rating, Add	319.65	
			For Class 55 Rating, Add	477.93	
			For Class 56 Rating, Add	634.11	
40 05 19 00-3137	EA		6" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	2,667.55	294.37
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-244.37	
			For Class 54 Rating, Add	338.58	
			For Class 55 Rating, Add	506.11	
			For Class 56 Rating, Add	671.41	
40 05 19 00-3138	EA		6" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	2,798.60	297.83
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-258.21	
			For Class 54 Rating, Add	357.52	
			For Class 55 Rating, Add	534.29	
			For Class 56 Rating, Add	708.71	
40 05 19 00-3139	EA		6" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	2,929.65	301.30
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-272.05	
			For Class 54 Rating, Add	376.45	
			For Class 55 Rating, Add	562.47	
			For Class 56 Rating, Add	746.01	
40 05 19 00-3140	EA		6" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	3,060.69	304.75
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-285.88	
			For Class 54 Rating, Add	395.38	
			For Class 55 Rating, Add	590.65	
			For Class 56 Rating, Add	783.31	
40 05 19 00-3141	EA		6" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	3,191.74	308.22
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-299.72	
			For Class 54 Rating, Add	414.32	
			For Class 55 Rating, Add	618.83	
			For Class 56 Rating, Add	820.61	
40 05 19 00-3142	EA		6" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	3,322.79	311.69
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-313.56	
			For Class 54 Rating, Add	433.25	
			For Class 55 Rating, Add	647.00	
			For Class 56 Rating, Add	857.91	
40 05 19 00-3143	EA		6" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	3,453.83	315.16
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-327.40	
			For Class 54 Rating, Add	452.18	
			For Class 55 Rating, Add	675.18	
			For Class 56 Rating, Add	895.21	
40 05 19 00-3144	EA		6" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	3,584.89	318.61
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-341.24	
			For Class 54 Rating, Add	471.12	
			For Class 55 Rating, Add	703.37	
			For Class 56 Rating, Add	932.51	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3145	EA		6" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,715.94	322.07
			<i>For Class 52 Rating, Deduct</i>	-355.07	
			<i>For Class 54 Rating, Add</i>	490.05	
			<i>For Class 55 Rating, Add</i>	731.54	
			<i>For Class 56 Rating, Add</i>	969.81	
40 05 19 00-3146	EA		6" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,846.98	325.54
			<i>For Class 52 Rating, Deduct</i>	-368.91	
			<i>For Class 54 Rating, Add</i>	508.98	
			<i>For Class 55 Rating, Add</i>	759.72	
			<i>For Class 56 Rating, Add</i>	1,007.11	
40 05 19 00-3147	EA		6" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,978.03	328.99
			<i>For Class 52 Rating, Deduct</i>	-382.75	
			<i>For Class 54 Rating, Add</i>	527.91	
			<i>For Class 55 Rating, Add</i>	787.90	
			<i>For Class 56 Rating, Add</i>	1,044.41	
40 05 19 00-3148	EA		6" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,109.08	332.47
			<i>For Class 52 Rating, Deduct</i>	-396.59	
			<i>For Class 54 Rating, Add</i>	546.85	
			<i>For Class 55 Rating, Add</i>	816.08	
			<i>For Class 56 Rating, Add</i>	1,081.71	
40 05 19 00-3149	EA		6" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,240.13	335.93
			<i>For Class 52 Rating, Deduct</i>	-410.43	
			<i>For Class 54 Rating, Add</i>	565.78	
			<i>For Class 55 Rating, Add</i>	844.26	
			<i>For Class 56 Rating, Add</i>	1,119.01	
40 05 19 00-3150	EA		6" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,371.17	339.40
			<i>For Class 52 Rating, Deduct</i>	-424.26	
			<i>For Class 54 Rating, Add</i>	584.71	
			<i>For Class 55 Rating, Add</i>	872.44	
			<i>For Class 56 Rating, Add</i>	1,156.31	
40 05 19 00-3151	EA		6" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,502.22	342.85
			<i>For Class 52 Rating, Deduct</i>	-438.10	
			<i>For Class 54 Rating, Add</i>	603.65	
			<i>For Class 55 Rating, Add</i>	900.62	
			<i>For Class 56 Rating, Add</i>	1,193.61	
40 05 19 00-3152	EA		6" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,633.28	346.31
			<i>For Class 52 Rating, Deduct</i>	-451.94	
			<i>For Class 54 Rating, Add</i>	622.58	
			<i>For Class 55 Rating, Add</i>	928.80	
			<i>For Class 56 Rating, Add</i>	1,230.92	
40 05 19 00-3153	EA		6" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,764.32	349.78
			<i>For Class 52 Rating, Deduct</i>	-465.78	
			<i>For Class 54 Rating, Add</i>	641.51	
			<i>For Class 55 Rating, Add</i>	956.98	
			<i>For Class 56 Rating, Add</i>	1,268.21	
40 05 19 00-3154	EA		6" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,895.38	353.24
			<i>For Class 52 Rating, Deduct</i>	-479.62	
			<i>For Class 54 Rating, Add</i>	660.45	
			<i>For Class 55 Rating, Add</i>	985.16	
			<i>For Class 56 Rating, Add</i>	1,305.52	
40 05 19 00-3155	EA		6" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,026.43	356.70
			<i>For Class 52 Rating, Deduct</i>	-493.46	
			<i>For Class 54 Rating, Add</i>	679.38	
			<i>For Class 55 Rating, Add</i>	1,013.34	
			<i>For Class 56 Rating, Add</i>	1,342.82	
40 05 19 00-3156	EA		6" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,157.47	360.17
			<i>For Class 52 Rating, Deduct</i>	-507.29	
			<i>For Class 54 Rating, Add</i>	698.31	
			<i>For Class 55 Rating, Add</i>	1,041.52	
			<i>For Class 56 Rating, Add</i>	1,380.11	
40 05 19 00-3157	EA		6" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,288.52	363.64
			<i>For Class 52 Rating, Deduct</i>	-521.13	
			<i>For Class 54 Rating, Add</i>	717.25	
			<i>For Class 55 Rating, Add</i>	1,069.70	
			<i>For Class 56 Rating, Add</i>	1,417.41	
40 05 19 00-3158	EA		6" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,419.57	367.09
			<i>For Class 52 Rating, Deduct</i>	-534.97	
			<i>For Class 54 Rating, Add</i>	736.18	
			<i>For Class 55 Rating, Add</i>	1,097.88	
			<i>For Class 56 Rating, Add</i>	1,454.71	
40 05 19 00-3159	EA		6" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,550.61	370.55
			<i>For Class 52 Rating, Deduct</i>	-548.81	
			<i>For Class 54 Rating, Add</i>	755.11	
			<i>For Class 55 Rating, Add</i>	1,126.06	
			<i>For Class 56 Rating, Add</i>	1,492.01	



MINOR	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3160	EA	6" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,681.67	374.03
		<i>For Class 52 Rating, Deduct</i>	-562.65	
		<i>For Class 54 Rating, Add</i>	774.05	
		<i>For Class 55 Rating, Add</i>	1,154.24	
		<i>For Class 56 Rating, Add</i>	1,529.32	
40 05 19 00-3161	EA	6" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,812.72	377.48
		<i>For Class 52 Rating, Deduct</i>	-576.48	
		<i>For Class 54 Rating, Add</i>	792.98	
		<i>For Class 55 Rating, Add</i>	1,182.42	
		<i>For Class 56 Rating, Add</i>	1,566.62	
40 05 19 00-3162	EA	6" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,943.76	380.94
		<i>For Class 52 Rating, Deduct</i>	-590.32	
		<i>For Class 54 Rating, Add</i>	811.91	
		<i>For Class 55 Rating, Add</i>	1,210.60	
		<i>For Class 56 Rating, Add</i>	1,603.92	
<b>40 05 19 00-3163</b>		<b>8" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b>		
		<small>(40 05 19 00-3082)</small>		
40 05 19 00-3164	EA	8" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,309.03	318.61
		<i>For Class 52 Rating, Deduct</i>	-90.89	
		<i>For Class 54 Rating, Add</i>	129.74	
		<i>For Class 55 Rating, Add</i>	195.85	
		<i>For Class 56 Rating, Add</i>	261.13	
40 05 19 00-3165	EA	8" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,477.25	322.07
		<i>For Class 52 Rating, Deduct</i>	-108.82	
		<i>For Class 54 Rating, Add</i>	154.24	
		<i>For Class 55 Rating, Add</i>	232.32	
		<i>For Class 56 Rating, Add</i>	309.40	
40 05 19 00-3166	EA	8" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,645.46	325.54
		<i>For Class 52 Rating, Deduct</i>	-126.75	
		<i>For Class 54 Rating, Add</i>	178.75	
		<i>For Class 55 Rating, Add</i>	268.78	
		<i>For Class 56 Rating, Add</i>	357.66	
40 05 19 00-3167	EA	8" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,813.68	328.99
		<i>For Class 52 Rating, Deduct</i>	-144.67	
		<i>For Class 54 Rating, Add</i>	203.26	
		<i>For Class 55 Rating, Add</i>	305.25	
		<i>For Class 56 Rating, Add</i>	405.93	
40 05 19 00-3168	EA	8" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,981.89	332.47
		<i>For Class 52 Rating, Deduct</i>	-162.60	
		<i>For Class 54 Rating, Add</i>	227.77	
		<i>For Class 55 Rating, Add</i>	341.72	
		<i>For Class 56 Rating, Add</i>	454.19	
40 05 19 00-3169	EA	8" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,150.11	335.93
		<i>For Class 52 Rating, Deduct</i>	-180.52	
		<i>For Class 54 Rating, Add</i>	252.28	
		<i>For Class 55 Rating, Add</i>	378.19	
		<i>For Class 56 Rating, Add</i>	502.46	
40 05 19 00-3170	EA	8" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,318.32	339.40
		<i>For Class 52 Rating, Deduct</i>	-198.45	
		<i>For Class 54 Rating, Add</i>	276.79	
		<i>For Class 55 Rating, Add</i>	414.66	
		<i>For Class 56 Rating, Add</i>	550.72	
40 05 19 00-3171	EA	8" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,486.54	342.85
		<i>For Class 52 Rating, Deduct</i>	-216.38	
		<i>For Class 54 Rating, Add</i>	301.29	
		<i>For Class 55 Rating, Add</i>	451.12	
		<i>For Class 56 Rating, Add</i>	598.99	
40 05 19 00-3172	EA	8" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,654.76	346.31
		<i>For Class 52 Rating, Deduct</i>	-234.30	
		<i>For Class 54 Rating, Add</i>	325.80	
		<i>For Class 55 Rating, Add</i>	487.59	
		<i>For Class 56 Rating, Add</i>	647.25	
40 05 19 00-3173	EA	8" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,822.97	349.78
		<i>For Class 52 Rating, Deduct</i>	-252.23	
		<i>For Class 54 Rating, Add</i>	350.31	
		<i>For Class 55 Rating, Add</i>	524.06	
		<i>For Class 56 Rating, Add</i>	695.52	
40 05 19 00-3174	EA	8" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,991.20	353.24
		<i>For Class 52 Rating, Deduct</i>	-270.16	
		<i>For Class 54 Rating, Add</i>	374.82	
		<i>For Class 55 Rating, Add</i>	560.53	
		<i>For Class 56 Rating, Add</i>	743.78	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3175	EA		8" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,159.42	356.70
			For Class 52 Rating, Deduct	-288.08	
			For Class 54 Rating, Add	399.33	
			For Class 55 Rating, Add	597.00	
			For Class 56 Rating, Add	792.05	
40 05 19 00-3176	EA		8" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,327.63	360.17
			For Class 52 Rating, Deduct	-306.01	
			For Class 54 Rating, Add	423.84	
			For Class 55 Rating, Add	633.47	
			For Class 56 Rating, Add	840.31	
40 05 19 00-3177	EA		8" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,495.85	363.64
			For Class 52 Rating, Deduct	-323.94	
			For Class 54 Rating, Add	448.35	
			For Class 55 Rating, Add	669.93	
			For Class 56 Rating, Add	888.58	
40 05 19 00-3178	EA		8" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,664.07	367.09
			For Class 52 Rating, Deduct	-341.86	
			For Class 54 Rating, Add	472.85	
			For Class 55 Rating, Add	706.40	
			For Class 56 Rating, Add	936.84	
40 05 19 00-3179	EA		8" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,832.28	370.55
			For Class 52 Rating, Deduct	-359.79	
			For Class 54 Rating, Add	497.36	
			For Class 55 Rating, Add	742.87	
			For Class 56 Rating, Add	985.11	
40 05 19 00-3180	EA		8" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,000.50	374.03
			For Class 52 Rating, Deduct	-377.72	
			For Class 54 Rating, Add	521.87	
			For Class 55 Rating, Add	779.34	
			For Class 56 Rating, Add	1,033.37	
40 05 19 00-3181	EA		8" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,168.72	377.48
			For Class 52 Rating, Deduct	-395.64	
			For Class 54 Rating, Add	546.38	
			For Class 55 Rating, Add	815.81	
			For Class 56 Rating, Add	1,081.64	
40 05 19 00-3182	EA		8" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,336.93	380.94
			For Class 52 Rating, Deduct	-413.57	
			For Class 54 Rating, Add	570.89	
			For Class 55 Rating, Add	852.27	
			For Class 56 Rating, Add	1,129.90	
40 05 19 00-3183	EA		8" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,505.15	384.41
			For Class 52 Rating, Deduct	-431.50	
			For Class 54 Rating, Add	595.40	
			For Class 55 Rating, Add	868.74	
			For Class 56 Rating, Add	1,178.17	
40 05 19 00-3184	EA		8" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,673.37	387.87
			For Class 52 Rating, Deduct	-449.42	
			For Class 54 Rating, Add	619.90	
			For Class 55 Rating, Add	925.21	
			For Class 56 Rating, Add	1,226.43	
40 05 19 00-3185	EA		8" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,841.59	391.33
			For Class 52 Rating, Deduct	-467.35	
			For Class 54 Rating, Add	644.41	
			For Class 55 Rating, Add	961.68	
			For Class 56 Rating, Add	1,274.70	
40 05 19 00-3186	EA		8" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,009.80	394.80
			For Class 52 Rating, Deduct	-485.28	
			For Class 54 Rating, Add	668.92	
			For Class 55 Rating, Add	998.15	
			For Class 56 Rating, Add	1,322.96	
40 05 19 00-3187	EA		8" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,178.02	398.27
			For Class 52 Rating, Deduct	-503.20	
			For Class 54 Rating, Add	693.43	
			For Class 55 Rating, Add	1,034.62	
			For Class 56 Rating, Add	1,371.23	
40 05 19 00-3188	EA		8" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,346.24	401.73
			For Class 52 Rating, Deduct	-521.13	
			For Class 54 Rating, Add	717.94	
			For Class 55 Rating, Add	1,071.08	
			For Class 56 Rating, Add	1,419.49	
40 05 19 00-3189	EA		8" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,514.45	405.18
			For Class 52 Rating, Deduct	-539.06	
			For Class 54 Rating, Add	742.45	
			For Class 55 Rating, Add	1,107.55	
			For Class 56 Rating, Add	1,467.76	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3190	EA		8" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,682.67	408.65
			For Class 52 Rating, Deduct	-556.99	
			For Class 54 Rating, Add	766.96	
			For Class 55 Rating, Add	1,144.02	
			For Class 56 Rating, Add	1,516.02	
40 05 19 00-3191	EA		8" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,850.89	412.12
			For Class 52 Rating, Deduct	-574.91	
			For Class 54 Rating, Add	791.46	
			For Class 55 Rating, Add	1,180.49	
			For Class 56 Rating, Add	1,564.29	
40 05 19 00-3192	EA		8" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,019.10	415.58
			For Class 52 Rating, Deduct	-592.84	
			For Class 54 Rating, Add	815.97	
			For Class 55 Rating, Add	1,216.96	
			For Class 56 Rating, Add	1,612.55	
40 05 19 00-3193	EA		8" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,187.32	419.04
			For Class 52 Rating, Deduct	-610.77	
			For Class 54 Rating, Add	840.48	
			For Class 55 Rating, Add	1,253.43	
			For Class 56 Rating, Add	1,660.82	
40 05 19 00-3194	EA		8" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,355.54	422.51
			For Class 52 Rating, Deduct	-628.69	
			For Class 54 Rating, Add	864.99	
			For Class 55 Rating, Add	1,289.89	
			For Class 56 Rating, Add	1,709.08	
40 05 19 00-3195	EA		8" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,523.75	425.97
			For Class 52 Rating, Deduct	-646.62	
			For Class 54 Rating, Add	889.50	
			For Class 55 Rating, Add	1,326.36	
			For Class 56 Rating, Add	1,757.35	
40 05 19 00-3196	EA		8" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,691.97	429.42
			For Class 52 Rating, Deduct	-664.55	
			For Class 54 Rating, Add	914.01	
			For Class 55 Rating, Add	1,362.83	
			For Class 56 Rating, Add	1,805.61	
40 05 19 00-3197	EA		8" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,860.19	432.90
			For Class 52 Rating, Deduct	-682.47	
			For Class 54 Rating, Add	938.51	
			For Class 55 Rating, Add	1,399.30	
			For Class 56 Rating, Add	1,853.88	
40 05 19 00-3198	EA		8" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,028.40	436.36
			For Class 52 Rating, Deduct	-700.40	
			For Class 54 Rating, Add	963.02	
			For Class 55 Rating, Add	1,435.77	
			For Class 56 Rating, Add	1,902.14	
40 05 19 00-3199	EA		8" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,196.62	439.82
			For Class 52 Rating, Deduct	-718.33	
			For Class 54 Rating, Add	987.53	
			For Class 55 Rating, Add	1,472.23	
			For Class 56 Rating, Add	1,950.41	
40 05 19 00-3200	EA		8" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,364.84	443.28
			For Class 52 Rating, Deduct	-736.25	
			For Class 54 Rating, Add	1,012.04	
			For Class 55 Rating, Add	1,508.70	
			For Class 56 Rating, Add	1,998.67	
40 05 19 00-3201	EA		8" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,533.05	446.75
			For Class 52 Rating, Deduct	-754.18	
			For Class 54 Rating, Add	1,036.55	
			For Class 55 Rating, Add	1,545.17	
			For Class 56 Rating, Add	2,046.94	
40 05 19 00-3202	EA		8" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,701.27	450.22
			For Class 52 Rating, Deduct	-772.11	
			For Class 54 Rating, Add	1,061.06	
			For Class 55 Rating, Add	1,581.64	
			For Class 56 Rating, Add	2,095.20	
40 05 19 00-3203			10" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3082)</small>		
40 05 19 00-3204	EA		10" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	1,648.42	387.87
			For Class 52 Rating, Deduct	-116.68	
			For Class 54 Rating, Add	166.16	
			For Class 55 Rating, Add	250.65	
			For Class 56 Rating, Add	334.07	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-3205	EA	10" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	1,865.25	391.33
		<i>For Class 52 Rating, Deduct</i>	-139.95	
		<i>For Class 54 Rating, Add</i>	197.96	
		<i>For Class 55 Rating, Add</i>	297.96	
		<i>For Class 56 Rating, Add</i>	396.68	
40 05 19 00-3206	EA	10" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,082.06	394.80
		<i>For Class 52 Rating, Deduct</i>	-163.23	
		<i>For Class 54 Rating, Add</i>	229.76	
		<i>For Class 55 Rating, Add</i>	345.26	
		<i>For Class 56 Rating, Add</i>	459.28	
40 05 19 00-3207	EA	10" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,298.89	398.27
		<i>For Class 52 Rating, Deduct</i>	-186.50	
		<i>For Class 54 Rating, Add</i>	261.56	
		<i>For Class 55 Rating, Add</i>	392.57	
		<i>For Class 56 Rating, Add</i>	521.88	
40 05 19 00-3208	EA	10" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,515.71	401.73
		<i>For Class 52 Rating, Deduct</i>	-209.77	
		<i>For Class 54 Rating, Add</i>	293.36	
		<i>For Class 55 Rating, Add</i>	439.88	
		<i>For Class 56 Rating, Add</i>	584.49	
40 05 19 00-3209	EA	10" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,732.53	405.18
		<i>For Class 52 Rating, Deduct</i>	-233.05	
		<i>For Class 54 Rating, Add</i>	325.16	
		<i>For Class 55 Rating, Add</i>	487.18	
		<i>For Class 56 Rating, Add</i>	647.09	
40 05 19 00-3210	EA	10" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,949.35	408.65
		<i>For Class 52 Rating, Deduct</i>	-256.32	
		<i>For Class 54 Rating, Add</i>	356.96	
		<i>For Class 55 Rating, Add</i>	534.49	
		<i>For Class 56 Rating, Add</i>	709.69	
40 05 19 00-3211	EA	10" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,166.18	412.12
		<i>For Class 52 Rating, Deduct</i>	-279.59	
		<i>For Class 54 Rating, Add</i>	388.76	
		<i>For Class 55 Rating, Add</i>	581.80	
		<i>For Class 56 Rating, Add</i>	772.30	
40 05 19 00-3212	EA	10" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,382.99	415.58
		<i>For Class 52 Rating, Deduct</i>	-302.87	
		<i>For Class 54 Rating, Add</i>	420.56	
		<i>For Class 55 Rating, Add</i>	629.10	
		<i>For Class 56 Rating, Add</i>	834.90	
40 05 19 00-3213	EA	10" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,599.82	419.04
		<i>For Class 52 Rating, Deduct</i>	-326.14	
		<i>For Class 54 Rating, Add</i>	452.36	
		<i>For Class 55 Rating, Add</i>	676.41	
		<i>For Class 56 Rating, Add</i>	897.51	
40 05 19 00-3214	EA	10" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,816.64	422.51
		<i>For Class 52 Rating, Deduct</i>	-349.41	
		<i>For Class 54 Rating, Add</i>	484.15	
		<i>For Class 55 Rating, Add</i>	723.72	
		<i>For Class 56 Rating, Add</i>	960.11	
40 05 19 00-3215	EA	10" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,033.46	425.97
		<i>For Class 52 Rating, Deduct</i>	-372.69	
		<i>For Class 54 Rating, Add</i>	515.95	
		<i>For Class 55 Rating, Add</i>	771.03	
		<i>For Class 56 Rating, Add</i>	1,022.71	
40 05 19 00-3216	EA	10" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,250.28	429.42
		<i>For Class 52 Rating, Deduct</i>	-395.96	
		<i>For Class 54 Rating, Add</i>	547.75	
		<i>For Class 55 Rating, Add</i>	818.33	
		<i>For Class 56 Rating, Add</i>	1,085.31	
40 05 19 00-3217	EA	10" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,467.11	432.90
		<i>For Class 52 Rating, Deduct</i>	-419.23	
		<i>For Class 54 Rating, Add</i>	579.55	
		<i>For Class 55 Rating, Add</i>	865.64	
		<i>For Class 56 Rating, Add</i>	1,147.92	
40 05 19 00-3218	EA	10" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,683.92	436.36
		<i>For Class 52 Rating, Deduct</i>	-442.51	
		<i>For Class 54 Rating, Add</i>	611.35	
		<i>For Class 55 Rating, Add</i>	912.95	
		<i>For Class 56 Rating, Add</i>	1,210.52	
40 05 19 00-3219	EA	10" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,900.75	439.82
		<i>For Class 52 Rating, Deduct</i>	-465.78	
		<i>For Class 54 Rating, Add</i>	643.15	
		<i>For Class 55 Rating, Add</i>	960.26	
		<i>For Class 56 Rating, Add</i>	1,273.13	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3220	EA		10" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,117.57	443.28
			For Class 52 Rating, Deduct	-489.05	
			For Class 54 Rating, Add	674.95	
			For Class 55 Rating, Add	1,007.56	
			For Class 56 Rating, Add	1,335.73	
40 05 19 00-3221	EA		10" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,334.39	446.75
			For Class 52 Rating, Deduct	-512.33	
			For Class 54 Rating, Add	706.75	
			For Class 55 Rating, Add	1,054.87	
			For Class 56 Rating, Add	1,398.33	
40 05 19 00-3222	EA		10" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,551.21	450.22
			For Class 52 Rating, Deduct	-535.60	
			For Class 54 Rating, Add	738.55	
			For Class 55 Rating, Add	1,102.18	
			For Class 56 Rating, Add	1,460.94	
40 05 19 00-3223	EA		10" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,768.05	453.67
			For Class 52 Rating, Deduct	-558.87	
			For Class 54 Rating, Add	770.35	
			For Class 55 Rating, Add	1,149.48	
			For Class 56 Rating, Add	1,523.54	
40 05 19 00-3224	EA		10" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,984.87	457.14
			For Class 52 Rating, Deduct	-582.15	
			For Class 54 Rating, Add	802.15	
			For Class 55 Rating, Add	1,196.79	
			For Class 56 Rating, Add	1,586.14	
40 05 19 00-3225	EA		10" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,201.69	460.60
			For Class 52 Rating, Deduct	-605.42	
			For Class 54 Rating, Add	833.95	
			For Class 55 Rating, Add	1,244.10	
			For Class 56 Rating, Add	1,648.75	
40 05 19 00-3226	EA		10" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,418.51	464.05
			For Class 52 Rating, Deduct	-628.69	
			For Class 54 Rating, Add	865.74	
			For Class 55 Rating, Add	1,291.40	
			For Class 56 Rating, Add	1,711.35	
40 05 19 00-3227	EA		10" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,635.34	467.52
			For Class 52 Rating, Deduct	-651.97	
			For Class 54 Rating, Add	897.54	
			For Class 55 Rating, Add	1,338.71	
			For Class 56 Rating, Add	1,773.95	
40 05 19 00-3228	EA		10" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,852.15	471.00
			For Class 52 Rating, Deduct	-675.24	
			For Class 54 Rating, Add	929.34	
			For Class 55 Rating, Add	1,386.02	
			For Class 56 Rating, Add	1,836.56	
40 05 19 00-3229	EA		10" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,068.98	474.46
			For Class 52 Rating, Deduct	-698.51	
			For Class 54 Rating, Add	961.14	
			For Class 55 Rating, Add	1,433.33	
			For Class 56 Rating, Add	1,899.16	
40 05 19 00-3230	EA		10" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,285.80	477.91
			For Class 52 Rating, Deduct	-721.78	
			For Class 54 Rating, Add	992.94	
			For Class 55 Rating, Add	1,480.63	
			For Class 56 Rating, Add	1,961.76	
40 05 19 00-3231	EA		10" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,502.62	481.38
			For Class 52 Rating, Deduct	-745.06	
			For Class 54 Rating, Add	1,024.74	
			For Class 55 Rating, Add	1,527.94	
			For Class 56 Rating, Add	2,024.37	
40 05 19 00-3232	EA		10" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,719.44	484.84
			For Class 52 Rating, Deduct	-768.33	
			For Class 54 Rating, Add	1,056.54	
			For Class 55 Rating, Add	1,575.25	
			For Class 56 Rating, Add	2,086.97	
40 05 19 00-3233	EA		10" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,936.26	488.31
			For Class 52 Rating, Deduct	-791.60	
			For Class 54 Rating, Add	1,088.34	
			For Class 55 Rating, Add	1,622.55	
			For Class 56 Rating, Add	2,149.57	
40 05 19 00-3234	EA		10" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	8,153.08	491.77
			For Class 52 Rating, Deduct	-814.88	
			For Class 54 Rating, Add	1,120.14	
			For Class 55 Rating, Add	1,669.86	
			For Class 56 Rating, Add	2,212.18	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

40 05 19 00-3235	EA	10" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,369.90	495.23
		<i>For Class 52 Rating, Deduct</i>	-838.15	
		<i>For Class 54 Rating, Add</i>	1,151.94	
		<i>For Class 55 Rating, Add</i>	1,717.17	
		<i>For Class 56 Rating, Add</i>	2,274.78	
40 05 19 00-3236	EA	10" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,586.73	498.70
		<i>For Class 52 Rating, Deduct</i>	-861.42	
		<i>For Class 54 Rating, Add</i>	1,183.74	
		<i>For Class 55 Rating, Add</i>	1,764.48	
		<i>For Class 56 Rating, Add</i>	2,337.38	
40 05 19 00-3237	EA	10" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,803.54	502.15
		<i>For Class 52 Rating, Deduct</i>	-884.70	
		<i>For Class 54 Rating, Add</i>	1,215.54	
		<i>For Class 55 Rating, Add</i>	1,811.78	
		<i>For Class 56 Rating, Add</i>	2,399.99	
40 05 19 00-3238	EA	10" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,020.37	505.62
		<i>For Class 52 Rating, Deduct</i>	-907.97	
		<i>For Class 54 Rating, Add</i>	1,247.34	
		<i>For Class 55 Rating, Add</i>	1,859.09	
		<i>For Class 56 Rating, Add</i>	2,462.59	
40 05 19 00-3239	EA	10" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,237.19	509.08
		<i>For Class 52 Rating, Deduct</i>	-931.24	
		<i>For Class 54 Rating, Add</i>	1,279.13	
		<i>For Class 55 Rating, Add</i>	1,906.40	
		<i>For Class 56 Rating, Add</i>	2,525.19	
40 05 19 00-3240	EA	10" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,454.02	512.56
		<i>For Class 52 Rating, Deduct</i>	-954.52	
		<i>For Class 54 Rating, Add</i>	1,310.93	
		<i>For Class 55 Rating, Add</i>	1,953.71	
		<i>For Class 56 Rating, Add</i>	2,587.80	
40 05 19 00-3241	EA	10" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,670.83	516.01
		<i>For Class 52 Rating, Deduct</i>	-977.79	
		<i>For Class 54 Rating, Add</i>	1,342.73	
		<i>For Class 55 Rating, Add</i>	2,001.01	
		<i>For Class 56 Rating, Add</i>	2,650.40	
40 05 19 00-3242	EA	10" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,887.66	519.47
		<i>For Class 52 Rating, Deduct</i>	-1,001.06	
		<i>For Class 54 Rating, Add</i>	1,374.53	
		<i>For Class 55 Rating, Add</i>	2,048.32	
		<i>For Class 56 Rating, Add</i>	2,713.01	

## 40 05 19 00-3243 12" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3244	EA	12" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,135.58	484.84
		<i>For Class 52 Rating, Deduct</i>	-154.11	
		<i>For Class 54 Rating, Add</i>	218.96	
		<i>For Class 55 Rating, Add</i>	330.05	
		<i>For Class 56 Rating, Add</i>	439.73	
40 05 19 00-3245	EA	12" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,403.87	488.31
		<i>For Class 52 Rating, Deduct</i>	-183.04	
		<i>For Class 54 Rating, Add</i>	258.48	
		<i>For Class 55 Rating, Add</i>	388.83	
		<i>For Class 56 Rating, Add</i>	517.52	
40 05 19 00-3246	EA	12" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,672.15	491.77
		<i>For Class 52 Rating, Deduct</i>	-211.98	
		<i>For Class 54 Rating, Add</i>	298.00	
		<i>For Class 55 Rating, Add</i>	447.61	
		<i>For Class 56 Rating, Add</i>	595.30	
40 05 19 00-3247	EA	12" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	2,940.44	495.23
		<i>For Class 52 Rating, Deduct</i>	-240.91	
		<i>For Class 54 Rating, Add</i>	337.52	
		<i>For Class 55 Rating, Add</i>	506.40	
		<i>For Class 56 Rating, Add</i>	673.09	
40 05 19 00-3248	EA	12" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,208.72	498.70
		<i>For Class 52 Rating, Deduct</i>	-269.84	
		<i>For Class 54 Rating, Add</i>	377.04	
		<i>For Class 55 Rating, Add</i>	565.18	
		<i>For Class 56 Rating, Add</i>	750.87	
40 05 19 00-3249	EA	12" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	3,477.00	502.15
		<i>For Class 52 Rating, Deduct</i>	-298.78	
		<i>For Class 54 Rating, Add</i>	416.55	
		<i>For Class 55 Rating, Add</i>	623.96	
		<i>For Class 56 Rating, Add</i>	828.66	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3250	EA		12" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	3,745.29	505.62
			For Class 52 Rating, Deduct	-327.71	
			For Class 54 Rating, Add	456.07	
			For Class 55 Rating, Add	682.75	
			For Class 56 Rating, Add	906.44	
40 05 19 00-3251	EA		12" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,013.58	509.08
			For Class 52 Rating, Deduct	-356.65	
			For Class 54 Rating, Add	495.59	
			For Class 55 Rating, Add	741.53	
			For Class 56 Rating, Add	984.23	
40 05 19 00-3252	EA		12" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,281.87	512.56
			For Class 52 Rating, Deduct	-385.58	
			For Class 54 Rating, Add	535.11	
			For Class 55 Rating, Add	800.32	
			For Class 56 Rating, Add	1,062.01	
40 05 19 00-3253	EA		12" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,550.15	516.01
			For Class 52 Rating, Deduct	-414.52	
			For Class 54 Rating, Add	574.63	
			For Class 55 Rating, Add	859.10	
			For Class 56 Rating, Add	1,139.80	
40 05 19 00-3254	EA		12" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	4,818.44	519.47
			For Class 52 Rating, Deduct	-443.45	
			For Class 54 Rating, Add	614.15	
			For Class 55 Rating, Add	917.88	
			For Class 56 Rating, Add	1,217.59	
40 05 19 00-3255	EA		12" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,086.73	522.94
			For Class 52 Rating, Deduct	-472.38	
			For Class 54 Rating, Add	653.67	
			For Class 55 Rating, Add	976.67	
			For Class 56 Rating, Add	1,295.37	
40 05 19 00-3256	EA		12" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,355.01	526.39
			For Class 52 Rating, Deduct	-501.32	
			For Class 54 Rating, Add	693.19	
			For Class 55 Rating, Add	1,035.45	
			For Class 56 Rating, Add	1,373.16	
40 05 19 00-3257	EA		12" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,623.30	529.86
			For Class 52 Rating, Deduct	-530.25	
			For Class 54 Rating, Add	732.71	
			For Class 55 Rating, Add	1,094.23	
			For Class 56 Rating, Add	1,450.94	
40 05 19 00-3258	EA		12" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	5,891.59	533.33
			For Class 52 Rating, Deduct	-559.19	
			For Class 54 Rating, Add	772.22	
			For Class 55 Rating, Add	1,153.02	
			For Class 56 Rating, Add	1,528.73	
40 05 19 00-3259	EA		12" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,159.86	536.80
			For Class 52 Rating, Deduct	-588.12	
			For Class 54 Rating, Add	811.74	
			For Class 55 Rating, Add	1,211.80	
			For Class 56 Rating, Add	1,606.51	
40 05 19 00-3260	EA		12" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,428.15	540.25
			For Class 52 Rating, Deduct	-617.05	
			For Class 54 Rating, Add	851.26	
			For Class 55 Rating, Add	1,270.58	
			For Class 56 Rating, Add	1,684.30	
40 05 19 00-3261	EA		12" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,696.44	543.71
			For Class 52 Rating, Deduct	-645.99	
			For Class 54 Rating, Add	890.78	
			For Class 55 Rating, Add	1,329.37	
			For Class 56 Rating, Add	1,762.08	
40 05 19 00-3262	EA		12" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	6,964.72	547.18
			For Class 52 Rating, Deduct	-674.92	
			For Class 54 Rating, Add	930.30	
			For Class 55 Rating, Add	1,388.15	
			For Class 56 Rating, Add	1,839.87	
40 05 19 00-3263	EA		12" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,233.01	550.63
			For Class 52 Rating, Deduct	-703.86	
			For Class 54 Rating, Add	969.82	
			For Class 55 Rating, Add	1,446.94	
			For Class 56 Rating, Add	1,917.65	
40 05 19 00-3264	EA		12" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	7,501.31	554.11
			For Class 52 Rating, Deduct	-732.79	
			For Class 54 Rating, Add	1,009.34	
			For Class 55 Rating, Add	1,505.72	
			For Class 56 Rating, Add	1,995.44	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT	DEMOLITION
				UNIT COST	UNIT COST
40 05 19 00-3265	EA	12"	Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,769.59	557.57
			<i>For Class 52 Rating, Deduct</i> .....	-761.73	
			<i>For Class 54 Rating, Add</i> .....	1,048.86	
			<i>For Class 55 Rating, Add</i> .....	1,564.50	
			<i>For Class 56 Rating, Add</i> .....	2,073.23	
40 05 19 00-3266	EA	12"	Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,037.88	561.04
			<i>For Class 52 Rating, Deduct</i> .....	-790.66	
			<i>For Class 54 Rating, Add</i> .....	1,088.38	
			<i>For Class 55 Rating, Add</i> .....	1,623.29	
			<i>For Class 56 Rating, Add</i> .....	2,151.01	
40 05 19 00-3267	EA	12"	Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,306.17	564.49
			<i>For Class 52 Rating, Deduct</i> .....	-819.60	
			<i>For Class 54 Rating, Add</i> .....	1,127.89	
			<i>For Class 55 Rating, Add</i> .....	1,682.07	
			<i>For Class 56 Rating, Add</i> .....	2,228.80	
40 05 19 00-3268	EA	12"	Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,574.46	567.95
			<i>For Class 52 Rating, Deduct</i> .....	-848.53	
			<i>For Class 54 Rating, Add</i> .....	1,167.41	
			<i>For Class 55 Rating, Add</i> .....	1,740.86	
			<i>For Class 56 Rating, Add</i> .....	2,306.58	
40 05 19 00-3269	EA	12"	Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,842.73	571.43
			<i>For Class 52 Rating, Deduct</i> .....	-877.46	
			<i>For Class 54 Rating, Add</i> .....	1,206.93	
			<i>For Class 55 Rating, Add</i> .....	1,799.64	
			<i>For Class 56 Rating, Add</i> .....	2,384.37	
40 05 19 00-3270	EA	12"	Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,111.02	574.89
			<i>For Class 52 Rating, Deduct</i> .....	-906.40	
			<i>For Class 54 Rating, Add</i> .....	1,246.45	
			<i>For Class 55 Rating, Add</i> .....	1,858.42	
			<i>For Class 56 Rating, Add</i> .....	2,462.15	
40 05 19 00-3271	EA	12"	Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,379.31	578.35
			<i>For Class 52 Rating, Deduct</i> .....	-935.33	
			<i>For Class 54 Rating, Add</i> .....	1,285.97	
			<i>For Class 55 Rating, Add</i> .....	1,917.20	
			<i>For Class 56 Rating, Add</i> .....	2,539.94	
40 05 19 00-3272	EA	12"	Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,647.59	581.81
			<i>For Class 52 Rating, Deduct</i> .....	-964.27	
			<i>For Class 54 Rating, Add</i> .....	1,325.49	
			<i>For Class 55 Rating, Add</i> .....	1,975.99	
			<i>For Class 56 Rating, Add</i> .....	2,617.72	
40 05 19 00-3273	EA	12"	Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,915.88	585.28
			<i>For Class 52 Rating, Deduct</i> .....	-993.20	
			<i>For Class 54 Rating, Add</i> .....	1,365.01	
			<i>For Class 55 Rating, Add</i> .....	2,034.77	
			<i>For Class 56 Rating, Add</i> .....	2,695.51	
40 05 19 00-3274	EA	12"	Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,184.17	588.73
			<i>For Class 52 Rating, Deduct</i> .....	-1,022.14	
			<i>For Class 54 Rating, Add</i> .....	1,404.53	
			<i>For Class 55 Rating, Add</i> .....	2,093.56	
			<i>For Class 56 Rating, Add</i> .....	2,773.29	
40 05 19 00-3275	EA	12"	Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,452.45	592.20
			<i>For Class 52 Rating, Deduct</i> .....	-1,051.07	
			<i>For Class 54 Rating, Add</i> .....	1,444.04	
			<i>For Class 55 Rating, Add</i> .....	2,152.34	
			<i>For Class 56 Rating, Add</i> .....	2,851.08	
40 05 19 00-3276	EA	12"	Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,720.74	595.67
			<i>For Class 52 Rating, Deduct</i> .....	-1,080.00	
			<i>For Class 54 Rating, Add</i> .....	1,483.56	
			<i>For Class 55 Rating, Add</i> .....	2,211.12	
			<i>For Class 56 Rating, Add</i> .....	2,928.87	
40 05 19 00-3277	EA	12"	Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,989.03	599.13
			<i>For Class 52 Rating, Deduct</i> .....	-1,108.94	
			<i>For Class 54 Rating, Add</i> .....	1,523.08	
			<i>For Class 55 Rating, Add</i> .....	2,269.91	
			<i>For Class 56 Rating, Add</i> .....	3,006.65	
40 05 19 00-3278	EA	12"	Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,257.31	602.58
			<i>For Class 52 Rating, Deduct</i> .....	-1,137.87	
			<i>For Class 54 Rating, Add</i> .....	1,562.60	
			<i>For Class 55 Rating, Add</i> .....	2,328.69	
			<i>For Class 56 Rating, Add</i> .....	3,084.44	
40 05 19 00-3279	EA	12"	Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,525.60	606.05
			<i>For Class 52 Rating, Deduct</i> .....	-1,166.81	
			<i>For Class 54 Rating, Add</i> .....	1,602.12	
			<i>For Class 55 Rating, Add</i> .....	2,387.48	
			<i>For Class 56 Rating, Add</i> .....	3,162.22	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3280	EA		12" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,793.88	609.52
			<i>For Class 52 Rating, Deduct</i> .....	-1,195.74	
			<i>For Class 54 Rating, Add</i> .....	1,641.64	
			<i>For Class 55 Rating, Add</i> .....	2,446.26	
			<i>For Class 56 Rating, Add</i> .....	3,240.01	
40 05 19 00-3281	EA		12" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,062.16	612.98
			<i>For Class 52 Rating, Deduct</i> .....	-1,224.68	
			<i>For Class 54 Rating, Add</i> .....	1,681.16	
			<i>For Class 55 Rating, Add</i> .....	2,505.04	
			<i>For Class 56 Rating, Add</i> .....	3,317.79	
40 05 19 00-3282	EA		12" Flanged x Plain End (FxPE), 20'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,330.45	616.44
			<i>For Class 52 Rating, Deduct</i> .....	-1,253.61	
			<i>For Class 54 Rating, Add</i> .....	1,720.68	
			<i>For Class 55 Rating, Add</i> .....	2,563.82	
			<i>For Class 56 Rating, Add</i> .....	3,395.58	
<b>40 05 19 00-3283</b>			<b>14" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3082)</small>		
40 05 19 00-3284	EA		14" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	2,857.18	581.81
			<i>For Class 52 Rating, Deduct</i> .....	-217.32	
			<i>For Class 54 Rating, Add</i> .....	306.93	
			<i>For Class 55 Rating, Add</i> .....	461.73	
			<i>For Class 56 Rating, Add</i> .....	614.55	
40 05 19 00-3285	EA		14" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,182.65	585.28
			<i>For Class 52 Rating, Deduct</i> .....	-252.55	
			<i>For Class 54 Rating, Add</i> .....	355.02	
			<i>For Class 55 Rating, Add</i> .....	533.26	
			<i>For Class 56 Rating, Add</i> .....	709.21	
40 05 19 00-3286	EA		14" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,508.12	588.73
			<i>For Class 52 Rating, Deduct</i> .....	-287.77	
			<i>For Class 54 Rating, Add</i> .....	403.12	
			<i>For Class 55 Rating, Add</i> .....	604.80	
			<i>For Class 56 Rating, Add</i> .....	803.86	
40 05 19 00-3287	EA		14" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,833.59	592.20
			<i>For Class 52 Rating, Deduct</i> .....	-323.00	
			<i>For Class 54 Rating, Add</i> .....	451.22	
			<i>For Class 55 Rating, Add</i> .....	676.33	
			<i>For Class 56 Rating, Add</i> .....	898.52	
40 05 19 00-3288	EA		14" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,159.06	595.67
			<i>For Class 52 Rating, Deduct</i> .....	-358.22	
			<i>For Class 54 Rating, Add</i> .....	499.31	
			<i>For Class 55 Rating, Add</i> .....	747.87	
			<i>For Class 56 Rating, Add</i> .....	993.17	
40 05 19 00-3289	EA		14" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,484.53	599.13
			<i>For Class 52 Rating, Deduct</i> .....	-393.44	
			<i>For Class 54 Rating, Add</i> .....	547.41	
			<i>For Class 55 Rating, Add</i> .....	819.40	
			<i>For Class 56 Rating, Add</i> .....	1,087.82	
40 05 19 00-3290	EA		14" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,809.99	602.58
			<i>For Class 52 Rating, Deduct</i> .....	-428.67	
			<i>For Class 54 Rating, Add</i> .....	595.50	
			<i>For Class 55 Rating, Add</i> .....	890.94	
			<i>For Class 56 Rating, Add</i> .....	1,182.48	
40 05 19 00-3291	EA		14" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,135.46	606.05
			<i>For Class 52 Rating, Deduct</i> .....	-463.89	
			<i>For Class 54 Rating, Add</i> .....	643.60	
			<i>For Class 55 Rating, Add</i> .....	962.47	
			<i>For Class 56 Rating, Add</i> .....	1,277.13	
40 05 19 00-3292	EA		14" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,460.93	609.52
			<i>For Class 52 Rating, Deduct</i> .....	-499.12	
			<i>For Class 54 Rating, Add</i> .....	691.70	
			<i>For Class 55 Rating, Add</i> .....	1,034.01	
			<i>For Class 56 Rating, Add</i> .....	1,371.79	
40 05 19 00-3293	EA		14" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,786.39	612.98
			<i>For Class 52 Rating, Deduct</i> .....	-534.34	
			<i>For Class 54 Rating, Add</i> .....	739.79	
			<i>For Class 55 Rating, Add</i> .....	1,105.54	
			<i>For Class 56 Rating, Add</i> .....	1,466.44	
40 05 19 00-3294	EA		14" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,111.87	616.44
			<i>For Class 52 Rating, Deduct</i> .....	-569.57	
			<i>For Class 54 Rating, Add</i> .....	787.89	
			<i>For Class 55 Rating, Add</i> .....	1,177.08	
			<i>For Class 56 Rating, Add</i> .....	1,561.10	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3295	EA	14"	Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,437.34	619.91
			<i>For Class 52 Rating, Deduct</i>	-604.79	
			<i>For Class 54 Rating, Add</i>	835.98	
			<i>For Class 55 Rating, Add</i>	1,248.62	
			<i>For Class 56 Rating, Add</i>	1,655.75	
40 05 19 00-3296	EA	14"	Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,762.80	623.37
			<i>For Class 52 Rating, Deduct</i>	-640.01	
			<i>For Class 54 Rating, Add</i>	884.08	
			<i>For Class 55 Rating, Add</i>	1,320.15	
			<i>For Class 56 Rating, Add</i>	1,750.40	
40 05 19 00-3297	EA	14"	Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,088.27	626.82
			<i>For Class 52 Rating, Deduct</i>	-675.24	
			<i>For Class 54 Rating, Add</i>	932.18	
			<i>For Class 55 Rating, Add</i>	1,391.69	
			<i>For Class 56 Rating, Add</i>	1,845.06	
40 05 19 00-3298	EA	14"	Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,413.74	630.29
			<i>For Class 52 Rating, Deduct</i>	-710.46	
			<i>For Class 54 Rating, Add</i>	980.27	
			<i>For Class 55 Rating, Add</i>	1,463.22	
			<i>For Class 56 Rating, Add</i>	1,939.71	
40 05 19 00-3299	EA	14"	Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,739.21	633.76
			<i>For Class 52 Rating, Deduct</i>	-745.69	
			<i>For Class 54 Rating, Add</i>	1,028.37	
			<i>For Class 55 Rating, Add</i>	1,534.76	
			<i>For Class 56 Rating, Add</i>	2,034.36	
40 05 19 00-3300	EA	14"	Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,064.68	637.22
			<i>For Class 52 Rating, Deduct</i>	-780.91	
			<i>For Class 54 Rating, Add</i>	1,076.47	
			<i>For Class 55 Rating, Add</i>	1,606.29	
			<i>For Class 56 Rating, Add</i>	2,129.02	
40 05 19 00-3301	EA	14"	Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,390.15	640.68
			<i>For Class 52 Rating, Deduct</i>	-816.14	
			<i>For Class 54 Rating, Add</i>	1,124.56	
			<i>For Class 55 Rating, Add</i>	1,677.83	
			<i>For Class 56 Rating, Add</i>	2,223.68	
40 05 19 00-3302	EA	14"	Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,715.62	644.15
			<i>For Class 52 Rating, Deduct</i>	-851.36	
			<i>For Class 54 Rating, Add</i>	1,172.66	
			<i>For Class 55 Rating, Add</i>	1,749.36	
			<i>For Class 56 Rating, Add</i>	2,318.33	
40 05 19 00-3303	EA	14"	Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,041.08	647.61
			<i>For Class 52 Rating, Deduct</i>	-886.58	
			<i>For Class 54 Rating, Add</i>	1,220.75	
			<i>For Class 55 Rating, Add</i>	1,820.90	
			<i>For Class 56 Rating, Add</i>	2,412.98	
40 05 19 00-3304	EA	14"	Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,366.55	651.06
			<i>For Class 52 Rating, Deduct</i>	-921.81	
			<i>For Class 54 Rating, Add</i>	1,268.85	
			<i>For Class 55 Rating, Add</i>	1,892.43	
			<i>For Class 56 Rating, Add</i>	2,507.64	
40 05 19 00-3305	EA	14"	Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,692.03	654.54
			<i>For Class 52 Rating, Deduct</i>	-957.03	
			<i>For Class 54 Rating, Add</i>	1,316.95	
			<i>For Class 55 Rating, Add</i>	1,963.97	
			<i>For Class 56 Rating, Add</i>	2,602.29	
40 05 19 00-3306	EA	14"	Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,017.49	658.00
			<i>For Class 52 Rating, Deduct</i>	-992.26	
			<i>For Class 54 Rating, Add</i>	1,365.04	
			<i>For Class 55 Rating, Add</i>	2,035.50	
			<i>For Class 56 Rating, Add</i>	2,696.94	
40 05 19 00-3307	EA	14"	Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,342.96	661.47
			<i>For Class 52 Rating, Deduct</i>	-1,027.48	
			<i>For Class 54 Rating, Add</i>	1,413.14	
			<i>For Class 55 Rating, Add</i>	2,107.04	
			<i>For Class 56 Rating, Add</i>	2,791.60	
40 05 19 00-3308	EA	14"	Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,668.44	664.92
			<i>For Class 52 Rating, Deduct</i>	-1,062.71	
			<i>For Class 54 Rating, Add</i>	1,461.24	
			<i>For Class 55 Rating, Add</i>	2,178.58	
			<i>For Class 56 Rating, Add</i>	2,886.26	
40 05 19 00-3309	EA	14"	Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,993.90	668.39
			<i>For Class 52 Rating, Deduct</i>	-1,097.93	
			<i>For Class 54 Rating, Add</i>	1,509.33	
			<i>For Class 55 Rating, Add</i>	2,250.11	
			<i>For Class 56 Rating, Add</i>	2,980.91	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3310	EA		14" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,319.37	671.86
			For Class 52 Rating, Deduct	-1,133.16	
			For Class 54 Rating, Add	1,557.43	
			For Class 55 Rating, Add	2,321.65	
			For Class 56 Rating, Add	3,075.56	
40 05 19 00-3311	EA		14" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,644.84	675.31
			For Class 52 Rating, Deduct	-1,168.38	
			For Class 54 Rating, Add	1,605.52	
			For Class 55 Rating, Add	2,393.18	
			For Class 56 Rating, Add	3,170.22	
40 05 19 00-3312	EA		14" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,970.30	678.78
			For Class 52 Rating, Deduct	-1,203.60	
			For Class 54 Rating, Add	1,653.62	
			For Class 55 Rating, Add	2,464.72	
			For Class 56 Rating, Add	3,264.87	
40 05 19 00-3313	EA		14" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,295.77	682.24
			For Class 52 Rating, Deduct	-1,238.83	
			For Class 54 Rating, Add	1,701.71	
			For Class 55 Rating, Add	2,536.25	
			For Class 56 Rating, Add	3,359.52	
40 05 19 00-3314	EA		14" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,621.25	685.71
			For Class 52 Rating, Deduct	-1,274.05	
			For Class 54 Rating, Add	1,749.81	
			For Class 55 Rating, Add	2,607.79	
			For Class 56 Rating, Add	3,454.18	
40 05 19 00-3315	EA		14" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,946.72	689.16
			For Class 52 Rating, Deduct	-1,309.28	
			For Class 54 Rating, Add	1,797.91	
			For Class 55 Rating, Add	2,679.32	
			For Class 56 Rating, Add	3,548.83	
40 05 19 00-3316	EA		14" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,272.18	692.64
			For Class 52 Rating, Deduct	-1,344.50	
			For Class 54 Rating, Add	1,846.00	
			For Class 55 Rating, Add	2,750.86	
			For Class 56 Rating, Add	3,643.49	
40 05 19 00-3317	EA		14" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,597.65	696.10
			For Class 52 Rating, Deduct	-1,379.73	
			For Class 54 Rating, Add	1,894.10	
			For Class 55 Rating, Add	2,822.39	
			For Class 56 Rating, Add	3,738.14	
40 05 19 00-3318	EA		14" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,923.12	699.55
			For Class 52 Rating, Deduct	-1,414.95	
			For Class 54 Rating, Add	1,942.20	
			For Class 55 Rating, Add	2,893.93	
			For Class 56 Rating, Add	3,832.80	
40 05 19 00-3319	EA		14" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,248.58	703.02
			For Class 52 Rating, Deduct	-1,450.17	
			For Class 54 Rating, Add	1,990.29	
			For Class 55 Rating, Add	2,965.46	
			For Class 56 Rating, Add	3,927.45	
40 05 19 00-3320	EA		14" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,574.05	706.48
			For Class 52 Rating, Deduct	-1,485.40	
			For Class 54 Rating, Add	2,038.39	
			For Class 55 Rating, Add	3,037.00	
			For Class 56 Rating, Add	4,022.10	
40 05 19 00-3321	EA		14" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,899.53	709.95
			For Class 52 Rating, Deduct	-1,520.62	
			For Class 54 Rating, Add	2,086.49	
			For Class 55 Rating, Add	3,108.53	
			For Class 56 Rating, Add	4,116.76	
40 05 19 00-3322			<b>16" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3082)</small>		
40 05 19 00-3323	EA		16" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,337.65	664.92
			For Class 52 Rating, Deduct	-256.32	
			For Class 54 Rating, Add	361.62	
			For Class 55 Rating, Add	543.81	
			For Class 56 Rating, Add	723.67	
40 05 19 00-3324	EA		16" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,714.58	668.39
			For Class 52 Rating, Deduct	-297.21	
			For Class 54 Rating, Add	417.43	
			For Class 55 Rating, Add	626.82	
			For Class 56 Rating, Add	833.51	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-3325	EA	16" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,091.51	671.86
		<i>For Class 52 Rating, Deduct</i>	-338.09	
		<i>For Class 54 Rating, Add</i>	473.25	
		<i>For Class 55 Rating, Add</i>	709.83	
		<i>For Class 56 Rating, Add</i>	943.34	
40 05 19 00-3326	EA	16" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,468.45	675.31
		<i>For Class 52 Rating, Deduct</i>	-378.98	
		<i>For Class 54 Rating, Add</i>	529.06	
		<i>For Class 55 Rating, Add</i>	792.85	
		<i>For Class 56 Rating, Add</i>	1,053.18	
40 05 19 00-3327	EA	16" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	4,845.38	678.78
		<i>For Class 52 Rating, Deduct</i>	-419.86	
		<i>For Class 54 Rating, Add</i>	584.88	
		<i>For Class 55 Rating, Add</i>	875.86	
		<i>For Class 56 Rating, Add</i>	1,163.02	
40 05 19 00-3328	EA	16" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,222.31	682.24
		<i>For Class 52 Rating, Deduct</i>	-460.75	
		<i>For Class 54 Rating, Add</i>	640.70	
		<i>For Class 55 Rating, Add</i>	958.87	
		<i>For Class 56 Rating, Add</i>	1,272.85	
40 05 19 00-3329	EA	16" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,599.25	685.71
		<i>For Class 52 Rating, Deduct</i>	-501.63	
		<i>For Class 54 Rating, Add</i>	696.51	
		<i>For Class 55 Rating, Add</i>	1,041.88	
		<i>For Class 56 Rating, Add</i>	1,382.69	
40 05 19 00-3330	EA	16" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	5,976.18	689.16
		<i>For Class 52 Rating, Deduct</i>	-542.52	
		<i>For Class 54 Rating, Add</i>	752.33	
		<i>For Class 55 Rating, Add</i>	1,124.89	
		<i>For Class 56 Rating, Add</i>	1,492.53	
40 05 19 00-3331	EA	16" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,353.11	692.64
		<i>For Class 52 Rating, Deduct</i>	-583.40	
		<i>For Class 54 Rating, Add</i>	808.14	
		<i>For Class 55 Rating, Add</i>	1,207.90	
		<i>For Class 56 Rating, Add</i>	1,602.36	
40 05 19 00-3332	EA	16" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	6,730.04	696.10
		<i>For Class 52 Rating, Deduct</i>	-624.29	
		<i>For Class 54 Rating, Add</i>	863.96	
		<i>For Class 55 Rating, Add</i>	1,290.92	
		<i>For Class 56 Rating, Add</i>	1,712.20	
40 05 19 00-3333	EA	16" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,106.98	699.55
		<i>For Class 52 Rating, Deduct</i>	-665.17	
		<i>For Class 54 Rating, Add</i>	919.78	
		<i>For Class 55 Rating, Add</i>	1,373.93	
		<i>For Class 56 Rating, Add</i>	1,822.03	
40 05 19 00-3334	EA	16" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,483.90	703.02
		<i>For Class 52 Rating, Deduct</i>	-706.06	
		<i>For Class 54 Rating, Add</i>	975.59	
		<i>For Class 55 Rating, Add</i>	1,456.94	
		<i>For Class 56 Rating, Add</i>	1,931.87	
40 05 19 00-3335	EA	16" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	7,860.84	706.48
		<i>For Class 52 Rating, Deduct</i>	-746.95	
		<i>For Class 54 Rating, Add</i>	1,031.41	
		<i>For Class 55 Rating, Add</i>	1,539.95	
		<i>For Class 56 Rating, Add</i>	2,041.71	
40 05 19 00-3336	EA	16" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,237.78	709.95
		<i>For Class 52 Rating, Deduct</i>	-787.83	
		<i>For Class 54 Rating, Add</i>	1,087.22	
		<i>For Class 55 Rating, Add</i>	1,622.96	
		<i>For Class 56 Rating, Add</i>	2,151.54	
40 05 19 00-3337	EA	16" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,614.70	713.41
		<i>For Class 52 Rating, Deduct</i>	-828.72	
		<i>For Class 54 Rating, Add</i>	1,143.04	
		<i>For Class 55 Rating, Add</i>	1,705.98	
		<i>For Class 56 Rating, Add</i>	2,261.38	
40 05 19 00-3338	EA	16" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	8,991.64	716.87
		<i>For Class 52 Rating, Deduct</i>	-869.60	
		<i>For Class 54 Rating, Add</i>	1,198.85	
		<i>For Class 55 Rating, Add</i>	1,788.99	
		<i>For Class 56 Rating, Add</i>	2,371.22	
40 05 19 00-3339	EA	16" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,368.57	720.34
		<i>For Class 52 Rating, Deduct</i>	-910.49	
		<i>For Class 54 Rating, Add</i>	1,254.67	
		<i>For Class 55 Rating, Add</i>	1,872.00	
		<i>For Class 56 Rating, Add</i>	2,481.05	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3340	EA		16" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	9,745.50	723.79
			For Class 52 Rating, Deduct	-951.37	
			For Class 54 Rating, Add	1,310.49	
			For Class 55 Rating, Add	1,955.01	
			For Class 56 Rating, Add	2,590.89	
40 05 19 00-3341	EA		16" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,122.43	727.26
			For Class 52 Rating, Deduct	-992.26	
			For Class 54 Rating, Add	1,366.30	
			For Class 55 Rating, Add	2,038.02	
			For Class 56 Rating, Add	2,700.72	
40 05 19 00-3342	EA		16" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,499.37	730.72
			For Class 52 Rating, Deduct	-1,033.14	
			For Class 54 Rating, Add	1,422.12	
			For Class 55 Rating, Add	2,121.03	
			For Class 56 Rating, Add	2,810.56	
40 05 19 00-3343	EA		16" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	10,876.29	734.20
			For Class 52 Rating, Deduct	-1,074.03	
			For Class 54 Rating, Add	1,477.93	
			For Class 55 Rating, Add	2,204.05	
			For Class 56 Rating, Add	2,920.39	
40 05 19 00-3344	EA		16" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,253.23	737.65
			For Class 52 Rating, Deduct	-1,114.91	
			For Class 54 Rating, Add	1,533.75	
			For Class 55 Rating, Add	2,287.06	
			For Class 56 Rating, Add	3,030.23	
40 05 19 00-3345	EA		16" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	11,630.17	741.11
			For Class 52 Rating, Deduct	-1,155.80	
			For Class 54 Rating, Add	1,589.57	
			For Class 55 Rating, Add	2,370.07	
			For Class 56 Rating, Add	3,140.07	
40 05 19 00-3346	EA		16" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,007.10	744.58
			For Class 52 Rating, Deduct	-1,196.68	
			For Class 54 Rating, Add	1,645.38	
			For Class 55 Rating, Add	2,453.08	
			For Class 56 Rating, Add	3,249.90	
40 05 19 00-3347	EA		16" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,384.03	748.05
			For Class 52 Rating, Deduct	-1,237.57	
			For Class 54 Rating, Add	1,701.20	
			For Class 55 Rating, Add	2,536.09	
			For Class 56 Rating, Add	3,359.74	
40 05 19 00-3348	EA		16" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	12,760.96	751.50
			For Class 52 Rating, Deduct	-1,278.46	
			For Class 54 Rating, Add	1,757.01	
			For Class 55 Rating, Add	2,619.10	
			For Class 56 Rating, Add	3,469.58	
40 05 19 00-3349	EA		16" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,137.91	754.97
			For Class 52 Rating, Deduct	-1,319.34	
			For Class 54 Rating, Add	1,812.83	
			For Class 55 Rating, Add	2,702.12	
			For Class 56 Rating, Add	3,579.41	
40 05 19 00-3350	EA		16" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,514.83	758.44
			For Class 52 Rating, Deduct	-1,360.23	
			For Class 54 Rating, Add	1,868.64	
			For Class 55 Rating, Add	2,785.13	
			For Class 56 Rating, Add	3,689.25	
40 05 19 00-3351	EA		16" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	13,891.77	761.89
			For Class 52 Rating, Deduct	-1,401.11	
			For Class 54 Rating, Add	1,924.46	
			For Class 55 Rating, Add	2,868.14	
			For Class 56 Rating, Add	3,799.09	
40 05 19 00-3352	EA		16" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,268.71	765.35
			For Class 52 Rating, Deduct	-1,442.00	
			For Class 54 Rating, Add	1,980.28	
			For Class 55 Rating, Add	2,951.15	
			For Class 56 Rating, Add	3,908.92	
40 05 19 00-3353	EA		16" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	14,645.63	768.82
			For Class 52 Rating, Deduct	-1,482.88	
			For Class 54 Rating, Add	2,036.09	
			For Class 55 Rating, Add	3,034.16	
			For Class 56 Rating, Add	4,018.76	
40 05 19 00-3354	EA		16" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	15,022.57	772.29
			For Class 52 Rating, Deduct	-1,523.77	
			For Class 54 Rating, Add	2,091.91	
			For Class 55 Rating, Add	3,117.18	
			For Class 56 Rating, Add	4,128.59	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-3355	EA	16" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,399.50	775.75
		<i>For Class 52 Rating, Deduct</i>	-1,564.65	
		<i>For Class 54 Rating, Add</i>	2,147.72	
		<i>For Class 55 Rating, Add</i>	3,200.19	
		<i>For Class 56 Rating, Add</i>	4,238.43	
40 05 19 00-3356	EA	16" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,776.43	779.21
		<i>For Class 52 Rating, Deduct</i>	-1,605.54	
		<i>For Class 54 Rating, Add</i>	2,203.54	
		<i>For Class 55 Rating, Add</i>	3,283.20	
		<i>For Class 56 Rating, Add</i>	4,348.27	
40 05 19 00-3357	EA	16" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,153.36	782.68
		<i>For Class 52 Rating, Deduct</i>	-1,646.42	
		<i>For Class 54 Rating, Add</i>	2,259.35	
		<i>For Class 55 Rating, Add</i>	3,366.21	
		<i>For Class 56 Rating, Add</i>	4,458.10	
40 05 19 00-3358	EA	16" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,530.30	786.13
		<i>For Class 52 Rating, Deduct</i>	-1,687.31	
		<i>For Class 54 Rating, Add</i>	2,315.17	
		<i>For Class 55 Rating, Add</i>	3,449.22	
		<i>For Class 56 Rating, Add</i>	4,567.94	
40 05 19 00-3359	EA	16" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,907.22	789.59
		<i>For Class 52 Rating, Deduct</i>	-1,728.19	
		<i>For Class 54 Rating, Add</i>	2,370.99	
		<i>For Class 55 Rating, Add</i>	3,532.23	
		<i>For Class 56 Rating, Add</i>	4,677.77	
40 05 19 00-3360	EA	16" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,284.16	793.07
		<i>For Class 52 Rating, Deduct</i>	-1,769.08	
		<i>For Class 54 Rating, Add</i>	2,426.80	
		<i>For Class 55 Rating, Add</i>	3,615.25	
		<i>For Class 56 Rating, Add</i>	4,787.61	

## 40 05 19 00-3361 18" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe

(40 05 19 00-3082)

40 05 19 00-3362	EA	18" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	3,865.96	749.43
		<i>For Class 52 Rating, Deduct</i>	-300.35	
		<i>For Class 54 Rating, Add</i>	423.20	
		<i>For Class 55 Rating, Add</i>	636.14	
		<i>For Class 56 Rating, Add</i>	846.36	
40 05 19 00-3363	EA	18" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,300.08	752.90
		<i>For Class 52 Rating, Deduct</i>	-347.53	
		<i>For Class 54 Rating, Add</i>	487.59	
		<i>For Class 55 Rating, Add</i>	731.91	
		<i>For Class 56 Rating, Add</i>	973.07	
40 05 19 00-3364	EA	18" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,734.20	756.35
		<i>For Class 52 Rating, Deduct</i>	-394.70	
		<i>For Class 54 Rating, Add</i>	551.98	
		<i>For Class 55 Rating, Add</i>	827.67	
		<i>For Class 56 Rating, Add</i>	1,099.78	
40 05 19 00-3365	EA	18" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,168.30	759.82
		<i>For Class 52 Rating, Deduct</i>	-441.88	
		<i>For Class 54 Rating, Add</i>	616.37	
		<i>For Class 55 Rating, Add</i>	923.43	
		<i>For Class 56 Rating, Add</i>	1,226.48	
40 05 19 00-3366	EA	18" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,602.42	763.28
		<i>For Class 52 Rating, Deduct</i>	-489.05	
		<i>For Class 54 Rating, Add</i>	680.77	
		<i>For Class 55 Rating, Add</i>	1,019.20	
		<i>For Class 56 Rating, Add</i>	1,353.18	
40 05 19 00-3367	EA	18" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,036.54	766.73
		<i>For Class 52 Rating, Deduct</i>	-536.23	
		<i>For Class 54 Rating, Add</i>	745.16	
		<i>For Class 55 Rating, Add</i>	1,114.96	
		<i>For Class 56 Rating, Add</i>	1,479.89	
40 05 19 00-3368	EA	18" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,470.65	770.21
		<i>For Class 52 Rating, Deduct</i>	-583.40	
		<i>For Class 54 Rating, Add</i>	809.55	
		<i>For Class 55 Rating, Add</i>	1,210.73	
		<i>For Class 56 Rating, Add</i>	1,606.59	
40 05 19 00-3369	EA	18" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,904.77	773.67
		<i>For Class 52 Rating, Deduct</i>	-630.58	
		<i>For Class 54 Rating, Add</i>	873.95	
		<i>For Class 55 Rating, Add</i>	1,306.49	
		<i>For Class 56 Rating, Add</i>	1,733.30	

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 05 19 00-3370	EA	18" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		7,338.88	777.14
		For Class 52 Rating, Deduct		-677.75	
		For Class 54 Rating, Add		938.34	
		For Class 55 Rating, Add		1,402.25	
		For Class 56 Rating, Add		1,860.00	
40 05 19 00-3371	EA	18" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		7,772.99	780.59
		For Class 52 Rating, Deduct		-724.93	
		For Class 54 Rating, Add		1,002.73	
		For Class 55 Rating, Add		1,498.02	
		For Class 56 Rating, Add		1,986.71	
40 05 19 00-3372	EA	18" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		8,207.11	784.06
		For Class 52 Rating, Deduct		-772.11	
		For Class 54 Rating, Add		1,067.13	
		For Class 55 Rating, Add		1,593.78	
		For Class 56 Rating, Add		2,113.41	
40 05 19 00-3373	EA	18" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		8,641.23	787.53
		For Class 52 Rating, Deduct		-819.28	
		For Class 54 Rating, Add		1,131.52	
		For Class 55 Rating, Add		1,689.54	
		For Class 56 Rating, Add		2,240.12	
40 05 19 00-3374	EA	18" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,075.35	790.98
		For Class 52 Rating, Deduct		-866.46	
		For Class 54 Rating, Add		1,195.91	
		For Class 55 Rating, Add		1,785.31	
		For Class 56 Rating, Add		2,366.82	
40 05 19 00-3375	EA	18" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,509.45	794.45
		For Class 52 Rating, Deduct		-913.63	
		For Class 54 Rating, Add		1,260.31	
		For Class 55 Rating, Add		1,881.07	
		For Class 56 Rating, Add		2,493.53	
40 05 19 00-3376	EA	18" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		9,943.57	797.91
		For Class 52 Rating, Deduct		-960.81	
		For Class 54 Rating, Add		1,324.70	
		For Class 55 Rating, Add		1,976.83	
		For Class 56 Rating, Add		2,620.23	
40 05 19 00-3377	EA	18" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		10,377.69	801.38
		For Class 52 Rating, Deduct		-1,007.98	
		For Class 54 Rating, Add		1,389.09	
		For Class 55 Rating, Add		2,072.60	
		For Class 56 Rating, Add		2,746.94	
40 05 19 00-3378	EA	18" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		10,811.80	804.83
		For Class 52 Rating, Deduct		-1,055.16	
		For Class 54 Rating, Add		1,453.49	
		For Class 55 Rating, Add		2,168.36	
		For Class 56 Rating, Add		2,873.64	
40 05 19 00-3379	EA	18" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,245.92	808.30
		For Class 52 Rating, Deduct		-1,102.33	
		For Class 54 Rating, Add		1,517.88	
		For Class 55 Rating, Add		2,264.12	
		For Class 56 Rating, Add		3,000.35	
40 05 19 00-3380	EA	18" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		11,680.03	811.77
		For Class 52 Rating, Deduct		-1,149.51	
		For Class 54 Rating, Add		1,582.27	
		For Class 55 Rating, Add		2,359.89	
		For Class 56 Rating, Add		3,127.05	
40 05 19 00-3381	EA	18" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		12,114.14	815.22
		For Class 52 Rating, Deduct		-1,196.68	
		For Class 54 Rating, Add		1,646.66	
		For Class 55 Rating, Add		2,455.65	
		For Class 56 Rating, Add		3,253.76	
40 05 19 00-3382	EA	18" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		12,548.26	818.69
		For Class 52 Rating, Deduct		-1,243.86	
		For Class 54 Rating, Add		1,711.06	
		For Class 55 Rating, Add		2,551.41	
		For Class 56 Rating, Add		3,380.46	
40 05 19 00-3383	EA	18" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		12,982.38	822.15
		For Class 52 Rating, Deduct		-1,291.04	
		For Class 54 Rating, Add		1,775.45	
		For Class 55 Rating, Add		2,647.18	
		For Class 56 Rating, Add		3,507.17	
40 05 19 00-3384	EA	18" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal			
		Coat, Ductile Iron Pipe.....		13,416.49	825.62
		For Class 52 Rating, Deduct		-1,338.21	
		For Class 54 Rating, Add		1,839.85	
		For Class 55 Rating, Add		2,742.94	
		For Class 56 Rating, Add		3,633.87	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3385	EA	18"	Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,850.60	829.08
			<i>For Class 52 Rating, Deduct</i> .....	-1,385.39	
			<i>For Class 54 Rating, Add</i> .....	1,904.24	
			<i>For Class 55 Rating, Add</i> .....	2,838.70	
			<i>For Class 56 Rating, Add</i> .....	3,760.58	
40 05 19 00-3386	EA	18"	Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,284.72	832.54
			<i>For Class 52 Rating, Deduct</i> .....	-1,432.56	
			<i>For Class 54 Rating, Add</i> .....	1,968.63	
			<i>For Class 55 Rating, Add</i> .....	2,934.47	
			<i>For Class 56 Rating, Add</i> .....	3,887.28	
40 05 19 00-3387	EA	18"	Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,718.83	836.01
			<i>For Class 52 Rating, Deduct</i> .....	-1,479.74	
			<i>For Class 54 Rating, Add</i> .....	2,033.02	
			<i>For Class 55 Rating, Add</i> .....	3,030.23	
			<i>For Class 56 Rating, Add</i> .....	4,013.99	
40 05 19 00-3388	EA	18"	Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,152.95	839.47
			<i>For Class 52 Rating, Deduct</i> .....	-1,526.91	
			<i>For Class 54 Rating, Add</i> .....	2,097.42	
			<i>For Class 55 Rating, Add</i> .....	3,126.00	
			<i>For Class 56 Rating, Add</i> .....	4,140.69	
40 05 19 00-3389	EA	18"	Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,587.07	842.93
			<i>For Class 52 Rating, Deduct</i> .....	-1,574.09	
			<i>For Class 54 Rating, Add</i> .....	2,161.81	
			<i>For Class 55 Rating, Add</i> .....	3,221.76	
			<i>For Class 56 Rating, Add</i> .....	4,267.40	
40 05 19 00-3390	EA	18"	Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,021.18	846.39
			<i>For Class 52 Rating, Deduct</i> .....	-1,621.26	
			<i>For Class 54 Rating, Add</i> .....	2,226.20	
			<i>For Class 55 Rating, Add</i> .....	3,317.52	
			<i>For Class 56 Rating, Add</i> .....	4,394.10	
40 05 19 00-3391	EA	18"	Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,455.30	849.87
			<i>For Class 52 Rating, Deduct</i> .....	-1,668.44	
			<i>For Class 54 Rating, Add</i> .....	2,290.60	
			<i>For Class 55 Rating, Add</i> .....	3,413.29	
			<i>For Class 56 Rating, Add</i> .....	4,520.81	
40 05 19 00-3392	EA	18"	Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,889.42	853.32
			<i>For Class 52 Rating, Deduct</i> .....	-1,715.62	
			<i>For Class 54 Rating, Add</i> .....	2,354.99	
			<i>For Class 55 Rating, Add</i> .....	3,509.05	
			<i>For Class 56 Rating, Add</i> .....	4,647.51	
40 05 19 00-3393	EA	18"	Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,323.54	856.78
			<i>For Class 52 Rating, Deduct</i> .....	-1,762.79	
			<i>For Class 54 Rating, Add</i> .....	2,419.38	
			<i>For Class 55 Rating, Add</i> .....	3,604.81	
			<i>For Class 56 Rating, Add</i> .....	4,774.22	
40 05 19 00-3394	EA	18"	Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,757.65	860.25
			<i>For Class 52 Rating, Deduct</i> .....	-1,809.97	
			<i>For Class 54 Rating, Add</i> .....	2,483.78	
			<i>For Class 55 Rating, Add</i> .....	3,700.58	
			<i>For Class 56 Rating, Add</i> .....	4,900.92	
40 05 19 00-3395	EA	18"	Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,191.76	863.71
			<i>For Class 52 Rating, Deduct</i> .....	-1,857.14	
			<i>For Class 54 Rating, Add</i> .....	2,548.17	
			<i>For Class 55 Rating, Add</i> .....	3,796.34	
			<i>For Class 56 Rating, Add</i> .....	5,027.63	
40 05 19 00-3396	EA	18"	Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,625.88	867.17
			<i>For Class 52 Rating, Deduct</i> .....	-1,904.32	
			<i>For Class 54 Rating, Add</i> .....	2,612.56	
			<i>For Class 55 Rating, Add</i> .....	3,892.10	
			<i>For Class 56 Rating, Add</i> .....	5,154.33	
40 05 19 00-3397	EA	18"	Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,059.99	870.64
			<i>For Class 52 Rating, Deduct</i> .....	-1,951.49	
			<i>For Class 54 Rating, Add</i> .....	2,676.96	
			<i>For Class 55 Rating, Add</i> .....	3,987.87	
			<i>For Class 56 Rating, Add</i> .....	5,281.04	
40 05 19 00-3398	EA	18"	Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,494.11	874.11
			<i>For Class 52 Rating, Deduct</i> .....	-1,998.67	
			<i>For Class 54 Rating, Add</i> .....	2,741.35	
			<i>For Class 55 Rating, Add</i> .....	4,083.63	
			<i>For Class 56 Rating, Add</i> .....	5,407.74	
40 05 19 00-3399	EA	18"	Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,928.23	877.56
			<i>For Class 52 Rating, Deduct</i> .....	-2,045.84	
			<i>For Class 54 Rating, Add</i> .....	2,805.74	
			<i>For Class 55 Rating, Add</i> .....	4,179.39	
			<i>For Class 56 Rating, Add</i> .....	5,534.45	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3400	20" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3082)</small>		
40 05 19 00-3401	EA 20" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,498.27	855.40
	For Class 52 Rating, Deduct	-352.24	
	For Class 54 Rating, Add	495.88	
	For Class 55 Rating, Add	745.20	
	For Class 56 Rating, Add	991.31	
40 05 19 00-3402	EA 20" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	4,992.43	858.87
	For Class 52 Rating, Deduct	-406.02	
	For Class 54 Rating, Add	569.28	
	For Class 55 Rating, Add	854.35	
	For Class 56 Rating, Add	1,135.73	
40 05 19 00-3403	EA 20" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,486.59	862.32
	For Class 52 Rating, Deduct	-459.80	
	For Class 54 Rating, Add	642.68	
	For Class 55 Rating, Add	963.50	
	For Class 56 Rating, Add	1,280.15	
40 05 19 00-3404	EA 20" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,980.75	865.79
	For Class 52 Rating, Deduct	-513.58	
	For Class 54 Rating, Add	716.08	
	For Class 55 Rating, Add	1,072.66	
	For Class 56 Rating, Add	1,424.56	
40 05 19 00-3405	EA 20" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,474.90	869.25
	For Class 52 Rating, Deduct	-567.36	
	For Class 54 Rating, Add	789.48	
	For Class 55 Rating, Add	1,181.81	
	For Class 56 Rating, Add	1,568.98	
40 05 19 00-3406	EA 20" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,969.06	872.70
	For Class 52 Rating, Deduct	-621.14	
	For Class 54 Rating, Add	862.88	
	For Class 55 Rating, Add	1,290.96	
	For Class 56 Rating, Add	1,713.40	
40 05 19 00-3407	EA 20" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,463.22	876.18
	For Class 52 Rating, Deduct	-674.92	
	For Class 54 Rating, Add	936.28	
	For Class 55 Rating, Add	1,400.12	
	For Class 56 Rating, Add	1,857.81	
40 05 19 00-3408	EA 20" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,957.37	879.64
	For Class 52 Rating, Deduct	-728.70	
	For Class 54 Rating, Add	1,009.68	
	For Class 55 Rating, Add	1,509.27	
	For Class 56 Rating, Add	2,002.23	
40 05 19 00-3409	EA 20" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,451.53	883.11
	For Class 52 Rating, Deduct	-782.48	
	For Class 54 Rating, Add	1,083.08	
	For Class 55 Rating, Add	1,618.42	
	For Class 56 Rating, Add	2,146.65	
40 05 19 00-3410	EA 20" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,945.69	886.56
	For Class 52 Rating, Deduct	-836.26	
	For Class 54 Rating, Add	1,156.48	
	For Class 55 Rating, Add	1,727.57	
	For Class 56 Rating, Add	2,291.07	
40 05 19 00-3411	EA 20" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,439.84	890.03
	For Class 52 Rating, Deduct	-890.04	
	For Class 54 Rating, Add	1,229.88	
	For Class 55 Rating, Add	1,836.73	
	For Class 56 Rating, Add	2,435.48	
40 05 19 00-3412	EA 20" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,934.00	893.50
	For Class 52 Rating, Deduct	-943.82	
	For Class 54 Rating, Add	1,303.28	
	For Class 55 Rating, Add	1,945.88	
	For Class 56 Rating, Add	2,579.90	
40 05 19 00-3413	EA 20" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,428.16	896.95
	For Class 52 Rating, Deduct	-997.60	
	For Class 54 Rating, Add	1,376.68	
	For Class 55 Rating, Add	2,055.03	
	For Class 56 Rating, Add	2,724.32	
40 05 19 00-3414	EA 20" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,922.31	900.42
	For Class 52 Rating, Deduct	-1,051.38	
	For Class 54 Rating, Add	1,450.08	
	For Class 55 Rating, Add	2,164.19	
	For Class 56 Rating, Add	2,868.74	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3415	EA	20"	Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,416.47	903.88
			<i>For Class 52 Rating, Deduct</i>	-1,105.16	
			<i>For Class 54 Rating, Add</i>	1,523.48	
			<i>For Class 55 Rating, Add</i>	2,273.34	
			<i>For Class 56 Rating, Add</i>	3,013.15	
40 05 19 00-3416	EA	20"	Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,910.63	907.35
			<i>For Class 52 Rating, Deduct</i>	-1,158.94	
			<i>For Class 54 Rating, Add</i>	1,596.88	
			<i>For Class 55 Rating, Add</i>	2,362.49	
			<i>For Class 56 Rating, Add</i>	3,157.57	
40 05 19 00-3417	EA	20"	Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,404.78	910.80
			<i>For Class 52 Rating, Deduct</i>	-1,212.72	
			<i>For Class 54 Rating, Add</i>	1,670.28	
			<i>For Class 55 Rating, Add</i>	2,491.64	
			<i>For Class 56 Rating, Add</i>	3,301.99	
40 05 19 00-3418	EA	20"	Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,898.94	914.28
			<i>For Class 52 Rating, Deduct</i>	-1,266.50	
			<i>For Class 54 Rating, Add</i>	1,743.68	
			<i>For Class 55 Rating, Add</i>	2,600.80	
			<i>For Class 56 Rating, Add</i>	3,446.40	
40 05 19 00-3419	EA	20"	Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,393.10	917.74
			<i>For Class 52 Rating, Deduct</i>	-1,320.28	
			<i>For Class 54 Rating, Add</i>	1,817.07	
			<i>For Class 55 Rating, Add</i>	2,709.95	
			<i>For Class 56 Rating, Add</i>	3,590.82	
40 05 19 00-3420	EA	20"	Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,887.25	921.21
			<i>For Class 52 Rating, Deduct</i>	-1,374.07	
			<i>For Class 54 Rating, Add</i>	1,890.47	
			<i>For Class 55 Rating, Add</i>	2,819.10	
			<i>For Class 56 Rating, Add</i>	3,735.24	
40 05 19 00-3421	EA	20"	Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,381.40	924.66
			<i>For Class 52 Rating, Deduct</i>	-1,427.84	
			<i>For Class 54 Rating, Add</i>	1,963.87	
			<i>For Class 55 Rating, Add</i>	2,928.25	
			<i>For Class 56 Rating, Add</i>	3,879.65	
40 05 19 00-3422	EA	20"	Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,875.56	928.12
			<i>For Class 52 Rating, Deduct</i>	-1,481.62	
			<i>For Class 54 Rating, Add</i>	2,037.27	
			<i>For Class 55 Rating, Add</i>	3,037.41	
			<i>For Class 56 Rating, Add</i>	4,024.07	
40 05 19 00-3423	EA	20"	Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,369.72	931.60
			<i>For Class 52 Rating, Deduct</i>	-1,535.40	
			<i>For Class 54 Rating, Add</i>	2,110.67	
			<i>For Class 55 Rating, Add</i>	3,146.56	
			<i>For Class 56 Rating, Add</i>	4,168.49	
40 05 19 00-3424	EA	20"	Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,863.87	935.05
			<i>For Class 52 Rating, Deduct</i>	-1,589.18	
			<i>For Class 54 Rating, Add</i>	2,184.07	
			<i>For Class 55 Rating, Add</i>	3,255.71	
			<i>For Class 56 Rating, Add</i>	4,312.91	
40 05 19 00-3425	EA	20"	Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,358.03	938.52
			<i>For Class 52 Rating, Deduct</i>	-1,642.96	
			<i>For Class 54 Rating, Add</i>	2,257.47	
			<i>For Class 55 Rating, Add</i>	3,364.86	
			<i>For Class 56 Rating, Add</i>	4,457.32	
40 05 19 00-3426	EA	20"	Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,852.19	941.98
			<i>For Class 52 Rating, Deduct</i>	-1,696.74	
			<i>For Class 54 Rating, Add</i>	2,330.87	
			<i>For Class 55 Rating, Add</i>	3,474.02	
			<i>For Class 56 Rating, Add</i>	4,601.74	
40 05 19 00-3427	EA	20"	Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,346.34	945.45
			<i>For Class 52 Rating, Deduct</i>	-1,750.52	
			<i>For Class 54 Rating, Add</i>	2,404.27	
			<i>For Class 55 Rating, Add</i>	3,583.17	
			<i>For Class 56 Rating, Add</i>	4,746.16	
40 05 19 00-3428	EA	20"	Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,840.50	948.90
			<i>For Class 52 Rating, Deduct</i>	-1,804.30	
			<i>For Class 54 Rating, Add</i>	2,477.67	
			<i>For Class 55 Rating, Add</i>	3,692.32	
			<i>For Class 56 Rating, Add</i>	4,890.58	
40 05 19 00-3429	EA	20"	Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,334.66	952.37
			<i>For Class 52 Rating, Deduct</i>	-1,858.08	
			<i>For Class 54 Rating, Add</i>	2,551.07	
			<i>For Class 55 Rating, Add</i>	3,801.48	
			<i>For Class 56 Rating, Add</i>	5,034.99	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3430	EA		20" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,828.82	955.84
			For Class 52 Rating, Deduct.....	-1,911.86	
			For Class 54 Rating, Add.....	2,624.47	
			For Class 55 Rating, Add.....	3,910.63	
			For Class 56 Rating, Add.....	5,179.41	
40 05 19 00-3431	EA		20" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,322.98	959.29
			For Class 52 Rating, Deduct.....	-1,965.65	
			For Class 54 Rating, Add.....	2,697.87	
			For Class 55 Rating, Add.....	4,019.78	
			For Class 56 Rating, Add.....	5,323.83	
40 05 19 00-3432	EA		20" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,817.14	962.75
			For Class 52 Rating, Deduct.....	-2,019.43	
			For Class 54 Rating, Add.....	2,771.27	
			For Class 55 Rating, Add.....	4,128.93	
			For Class 56 Rating, Add.....	5,468.25	
40 05 19 00-3433	EA		20" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,311.29	966.22
			For Class 52 Rating, Deduct.....	-2,073.21	
			For Class 54 Rating, Add.....	2,844.67	
			For Class 55 Rating, Add.....	4,238.09	
			For Class 56 Rating, Add.....	5,612.66	
40 05 19 00-3434	EA		20" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,805.45	969.69
			For Class 52 Rating, Deduct.....	-2,126.99	
			For Class 54 Rating, Add.....	2,918.07	
			For Class 55 Rating, Add.....	4,347.24	
			For Class 56 Rating, Add.....	5,757.08	
40 05 19 00-3435	EA		20" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,299.61	973.15
			For Class 52 Rating, Deduct.....	-2,180.77	
			For Class 54 Rating, Add.....	2,991.46	
			For Class 55 Rating, Add.....	4,456.39	
			For Class 56 Rating, Add.....	5,901.50	
40 05 19 00-3436	EA		20" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	21,793.76	976.61
			For Class 52 Rating, Deduct.....	-2,234.55	
			For Class 54 Rating, Add.....	3,064.86	
			For Class 55 Rating, Add.....	4,565.55	
			For Class 56 Rating, Add.....	6,045.91	
40 05 19 00-3437	EA		20" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,287.92	980.08
			For Class 52 Rating, Deduct.....	-2,288.33	
			For Class 54 Rating, Add.....	3,138.26	
			For Class 55 Rating, Add.....	4,674.70	
			For Class 56 Rating, Add.....	6,190.33	
40 05 19 00-3438	EA		20" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,782.08	983.53
			For Class 52 Rating, Deduct.....	-2,342.11	
			For Class 54 Rating, Add.....	3,211.66	
			For Class 55 Rating, Add.....	4,783.85	
			For Class 56 Rating, Add.....	6,334.75	
<b>40 05 19 00-3439</b>			<b>24" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3082)</small>		
40 05 19 00-3440	EA		24" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	5,529.23	1,011.23
			For Class 52 Rating, Deduct.....	-439.68	
			For Class 54 Rating, Add.....	617.94	
			For Class 55 Rating, Add.....	928.11	
			For Class 56 Rating, Add.....	1,234.29	
40 05 19 00-3441	EA		24" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,140.61	1,014.71
			For Class 52 Rating, Deduct.....	-506.35	
			For Class 54 Rating, Add.....	708.93	
			For Class 55 Rating, Add.....	1,063.41	
			For Class 56 Rating, Add.....	1,413.29	
40 05 19 00-3442	EA		24" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	6,752.00	1,018.17
			For Class 52 Rating, Deduct.....	-573.03	
			For Class 54 Rating, Add.....	799.91	
			For Class 55 Rating, Add.....	1,198.70	
			For Class 56 Rating, Add.....	1,592.29	
40 05 19 00-3443	EA		24" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,363.37	1,021.63
			For Class 52 Rating, Deduct.....	-639.70	
			For Class 54 Rating, Add.....	890.89	
			For Class 55 Rating, Add.....	1,334.00	
			For Class 56 Rating, Add.....	1,771.28	
40 05 19 00-3444	EA		24" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	7,974.75	1,025.09
			For Class 52 Rating, Deduct.....	-706.37	
			For Class 54 Rating, Add.....	981.88	
			For Class 55 Rating, Add.....	1,469.29	
			For Class 56 Rating, Add.....	1,950.28	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT  
UNIT COSTDEMOLITION  
UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3445	EA	24"	Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	8,586.14	1,028.56
			<i>For Class 52 Rating, Deduct</i>	-773.05	
			<i>For Class 54 Rating, Add</i>	1,072.86	
			<i>For Class 55 Rating, Add</i>	1,604.58	
			<i>For Class 56 Rating, Add</i>	2,129.28	
40 05 19 00-3446	EA	24"	Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,197.51	1,032.03
			<i>For Class 52 Rating, Deduct</i>	-839.72	
			<i>For Class 54 Rating, Add</i>	1,163.84	
			<i>For Class 55 Rating, Add</i>	1,739.88	
			<i>For Class 56 Rating, Add</i>	2,308.28	
40 05 19 00-3447	EA	24"	Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	9,808.89	1,035.48
			<i>For Class 52 Rating, Deduct</i>	-906.40	
			<i>For Class 54 Rating, Add</i>	1,254.82	
			<i>For Class 55 Rating, Add</i>	1,875.17	
			<i>For Class 56 Rating, Add</i>	2,487.27	
40 05 19 00-3448	EA	24"	Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	10,420.28	1,038.95
			<i>For Class 52 Rating, Deduct</i>	-973.07	
			<i>For Class 54 Rating, Add</i>	1,345.81	
			<i>For Class 55 Rating, Add</i>	2,010.46	
			<i>For Class 56 Rating, Add</i>	2,666.28	
40 05 19 00-3449	EA	24"	Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,031.66	1,042.41
			<i>For Class 52 Rating, Deduct</i>	-1,039.75	
			<i>For Class 54 Rating, Add</i>	1,436.79	
			<i>For Class 55 Rating, Add</i>	2,145.76	
			<i>For Class 56 Rating, Add</i>	2,845.27	
40 05 19 00-3450	EA	24"	Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,643.03	1,045.86
			<i>For Class 52 Rating, Deduct</i>	-1,106.42	
			<i>For Class 54 Rating, Add</i>	1,527.77	
			<i>For Class 55 Rating, Add</i>	2,281.05	
			<i>For Class 56 Rating, Add</i>	3,024.27	
40 05 19 00-3451	EA	24"	Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,254.42	1,049.33
			<i>For Class 52 Rating, Deduct</i>	-1,173.10	
			<i>For Class 54 Rating, Add</i>	1,618.76	
			<i>For Class 55 Rating, Add</i>	2,416.35	
			<i>For Class 56 Rating, Add</i>	3,203.27	
40 05 19 00-3452	EA	24"	Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,865.80	1,052.81
			<i>For Class 52 Rating, Deduct</i>	-1,239.77	
			<i>For Class 54 Rating, Add</i>	1,709.74	
			<i>For Class 55 Rating, Add</i>	2,551.64	
			<i>For Class 56 Rating, Add</i>	3,382.27	
40 05 19 00-3453	EA	24"	Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,477.18	1,056.27
			<i>For Class 52 Rating, Deduct</i>	-1,306.45	
			<i>For Class 54 Rating, Add</i>	1,800.72	
			<i>For Class 55 Rating, Add</i>	2,686.93	
			<i>For Class 56 Rating, Add</i>	3,561.26	
40 05 19 00-3454	EA	24"	Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,088.57	1,059.72
			<i>For Class 52 Rating, Deduct</i>	-1,373.12	
			<i>For Class 54 Rating, Add</i>	1,891.71	
			<i>For Class 55 Rating, Add</i>	2,822.23	
			<i>For Class 56 Rating, Add</i>	3,740.26	
40 05 19 00-3455	EA	24"	Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	14,699.95	1,063.19
			<i>For Class 52 Rating, Deduct</i>	-1,439.80	
			<i>For Class 54 Rating, Add</i>	1,982.69	
			<i>For Class 55 Rating, Add</i>	2,957.52	
			<i>For Class 56 Rating, Add</i>	3,919.26	
40 05 19 00-3456	EA	24"	Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,311.32	1,066.65
			<i>For Class 52 Rating, Deduct</i>	-1,506.47	
			<i>For Class 54 Rating, Add</i>	2,073.67	
			<i>For Class 55 Rating, Add</i>	3,092.81	
			<i>For Class 56 Rating, Add</i>	4,098.26	
40 05 19 00-3457	EA	24"	Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,922.71	1,070.10
			<i>For Class 52 Rating, Deduct</i>	-1,573.15	
			<i>For Class 54 Rating, Add</i>	2,164.65	
			<i>For Class 55 Rating, Add</i>	3,228.11	
			<i>For Class 56 Rating, Add</i>	4,277.26	
40 05 19 00-3458	EA	24"	Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,534.09	1,073.58
			<i>For Class 52 Rating, Deduct</i>	-1,639.82	
			<i>For Class 54 Rating, Add</i>	2,255.64	
			<i>For Class 55 Rating, Add</i>	3,363.40	
			<i>For Class 56 Rating, Add</i>	4,456.26	
40 05 19 00-3459	EA	24"	Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,145.47	1,077.05
			<i>For Class 52 Rating, Deduct</i>	-1,706.49	
			<i>For Class 54 Rating, Add</i>	2,346.62	
			<i>For Class 55 Rating, Add</i>	3,498.70	
			<i>For Class 56 Rating, Add</i>	4,635.26	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3460	EA		24" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	17,756.85	1,080.51
			For Class 52 Rating, Deduct	-1,773.17	
			For Class 54 Rating, Add	2,437.60	
			For Class 55 Rating, Add	3,633.99	
			For Class 56 Rating, Add	4,814.25	
40 05 19 00-3461	EA		24" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,368.23	1,083.96
			For Class 52 Rating, Deduct	-1,839.84	
			For Class 54 Rating, Add	2,528.59	
			For Class 55 Rating, Add	3,769.28	
			For Class 56 Rating, Add	4,993.25	
40 05 19 00-3462	EA		24" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,979.61	1,087.43
			For Class 52 Rating, Deduct	-1,906.52	
			For Class 54 Rating, Add	2,619.57	
			For Class 55 Rating, Add	3,904.58	
			For Class 56 Rating, Add	5,172.25	
40 05 19 00-3463	EA		24" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,590.99	1,090.89
			For Class 52 Rating, Deduct	-1,973.19	
			For Class 54 Rating, Add	2,710.55	
			For Class 55 Rating, Add	4,039.87	
			For Class 56 Rating, Add	5,351.25	
40 05 19 00-3464	EA		24" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,202.37	1,094.37
			For Class 52 Rating, Deduct	-2,039.87	
			For Class 54 Rating, Add	2,801.53	
			For Class 55 Rating, Add	4,175.16	
			For Class 56 Rating, Add	5,530.25	
40 05 19 00-3465	EA		24" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,813.75	1,097.82
			For Class 52 Rating, Deduct	-2,106.54	
			For Class 54 Rating, Add	2,892.52	
			For Class 55 Rating, Add	4,310.46	
			For Class 56 Rating, Add	5,709.25	
40 05 19 00-3466	EA		24" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	21,425.13	1,101.28
			For Class 52 Rating, Deduct	-2,173.22	
			For Class 54 Rating, Add	2,983.50	
			For Class 55 Rating, Add	4,445.75	
			For Class 56 Rating, Add	5,888.24	
40 05 19 00-3467	EA		24" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,036.51	1,104.75
			For Class 52 Rating, Deduct	-2,239.89	
			For Class 54 Rating, Add	3,074.48	
			For Class 55 Rating, Add	4,581.04	
			For Class 56 Rating, Add	6,067.24	
40 05 19 00-3468	EA		24" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,647.90	1,108.20
			For Class 52 Rating, Deduct	-2,306.57	
			For Class 54 Rating, Add	3,165.47	
			For Class 55 Rating, Add	4,716.34	
			For Class 56 Rating, Add	6,246.24	
40 05 19 00-3469	EA		24" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,348.48	1,170.54
			For Class 52 Rating, Deduct	-2,373.24	
			For Class 54 Rating, Add	3,257.52	
			For Class 55 Rating, Add	4,853.77	
			For Class 56 Rating, Add	6,428.45	
40 05 19 00-3470	EA		24" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,959.86	1,174.01
			For Class 52 Rating, Deduct	-2,439.92	
			For Class 54 Rating, Add	3,348.50	
			For Class 55 Rating, Add	4,989.07	
			For Class 56 Rating, Add	6,607.45	
40 05 19 00-3471	EA		24" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,571.24	1,177.48
			For Class 52 Rating, Deduct	-2,506.59	
			For Class 54 Rating, Add	3,439.49	
			For Class 55 Rating, Add	5,124.36	
			For Class 56 Rating, Add	6,786.45	
40 05 19 00-3472	EA		24" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,182.62	1,180.94
			For Class 52 Rating, Deduct	-2,573.27	
			For Class 54 Rating, Add	3,530.47	
			For Class 55 Rating, Add	5,259.65	
			For Class 56 Rating, Add	6,965.44	
40 05 19 00-3473	EA		24" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,794.00	1,184.39
			For Class 52 Rating, Deduct	-2,639.94	
			For Class 54 Rating, Add	3,621.45	
			For Class 55 Rating, Add	5,394.95	
			For Class 56 Rating, Add	7,144.44	
40 05 19 00-3474	EA		24" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	29,264.50	1,187.86
			For Class 52 Rating, Deduct	-3,021.12	
			For Class 54 Rating, Add	4,141.30	
			For Class 55 Rating, Add	6,167.83	
			For Class 56 Rating, Add	8,166.88	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-3475	EA	24" Flanged x Plain End (FxPE), 18'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,016.76	1,191.33
		<i>For Class 52 Rating, Deduct</i>	-2,773.29	
		<i>For Class 54 Rating, Add</i>	3,803.42	
		<i>For Class 55 Rating, Add</i>	5,665.53	
		<i>For Class 56 Rating, Add</i>	7,502.44	
40 05 19 00-3476	EA	24" Flanged x Plain End (FxPE), 19'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	27,628.14	1,194.79
		<i>For Class 52 Rating, Deduct</i>	-2,839.96	
		<i>For Class 54 Rating, Add</i>	3,894.40	
		<i>For Class 55 Rating, Add</i>	5,800.83	
		<i>For Class 56 Rating, Add</i>	7,681.44	
40 05 19 00-3477	EA	24" Flanged x Plain End (FxPE), 19'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	28,239.52	1,198.25
		<i>For Class 52 Rating, Deduct</i>	-2,906.64	
		<i>For Class 54 Rating, Add</i>	3,985.38	
		<i>For Class 55 Rating, Add</i>	5,936.12	
		<i>For Class 56 Rating, Add</i>	7,860.44	

40 05 19 00-3478 30" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)

40 05 19 00-3479	EA	30" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	9,292.50	1,426.82
		<i>For Class 52 Rating, Deduct</i>	-784.37	
		<i>For Class 54 Rating, Add</i>	1,095.54	
		<i>For Class 55 Rating, Add</i>	1,642.02	
		<i>For Class 56 Rating, Add</i>	2,181.37	
40 05 19 00-3480	EA	30" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	10,166.91	1,430.27
		<i>For Class 52 Rating, Deduct</i>	-879.98	
		<i>For Class 54 Rating, Add</i>	1,225.98	
		<i>For Class 55 Rating, Add</i>	1,835.97	
		<i>For Class 56 Rating, Add</i>	2,437.96	
40 05 19 00-3481	EA	30" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,041.33	1,433.75
		<i>For Class 52 Rating, Deduct</i>	-975.59	
		<i>For Class 54 Rating, Add</i>	1,356.42	
		<i>For Class 55 Rating, Add</i>	2,029.92	
		<i>For Class 56 Rating, Add</i>	2,694.56	
40 05 19 00-3482	EA	30" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	11,915.75	1,437.22
		<i>For Class 52 Rating, Deduct</i>	-1,071.20	
		<i>For Class 54 Rating, Add</i>	1,486.86	
		<i>For Class 55 Rating, Add</i>	2,223.87	
		<i>For Class 56 Rating, Add</i>	2,951.15	
40 05 19 00-3483	EA	30" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	12,790.17	1,440.68
		<i>For Class 52 Rating, Deduct</i>	-1,166.81	
		<i>For Class 54 Rating, Add</i>	1,617.29	
		<i>For Class 55 Rating, Add</i>	2,417.82	
		<i>For Class 56 Rating, Add</i>	3,207.75	
40 05 19 00-3484	EA	30" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	13,664.59	1,444.13
		<i>For Class 52 Rating, Deduct</i>	-1,262.42	
		<i>For Class 54 Rating, Add</i>	1,747.73	
		<i>For Class 55 Rating, Add</i>	2,611.78	
		<i>For Class 56 Rating, Add</i>	3,464.34	
40 05 19 00-3485	EA	30" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	14,539.01	1,447.60
		<i>For Class 52 Rating, Deduct</i>	-1,358.02	
		<i>For Class 54 Rating, Add</i>	1,878.17	
		<i>For Class 55 Rating, Add</i>	2,805.73	
		<i>For Class 56 Rating, Add</i>	3,720.94	
40 05 19 00-3486	EA	30" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	15,413.42	1,451.06
		<i>For Class 52 Rating, Deduct</i>	-1,453.63	
		<i>For Class 54 Rating, Add</i>	2,008.61	
		<i>For Class 55 Rating, Add</i>	2,999.68	
		<i>For Class 56 Rating, Add</i>	3,977.53	
40 05 19 00-3487	EA	30" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	16,287.85	1,454.52
		<i>For Class 52 Rating, Deduct</i>	-1,549.24	
		<i>For Class 54 Rating, Add</i>	2,139.05	
		<i>For Class 55 Rating, Add</i>	3,193.63	
		<i>For Class 56 Rating, Add</i>	4,234.13	
40 05 19 00-3488	EA	30" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	17,162.28	1,457.99
		<i>For Class 52 Rating, Deduct</i>	-1,644.85	
		<i>For Class 54 Rating, Add</i>	2,269.49	
		<i>For Class 55 Rating, Add</i>	3,387.58	
		<i>For Class 56 Rating, Add</i>	4,490.72	
40 05 19 00-3489	EA	30" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe	18,036.70	1,461.45
		<i>For Class 52 Rating, Deduct</i>	-1,740.46	
		<i>For Class 54 Rating, Add</i>	2,399.93	
		<i>For Class 55 Rating, Add</i>	3,581.53	
		<i>For Class 56 Rating, Add</i>	4,747.32	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3490	EA		30" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	18,911.11	1,464.92
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-1,836.07	
			For Class 54 Rating, Add	2,530.37	
			For Class 55 Rating, Add	3,775.48	
			For Class 56 Rating, Add	5,003.91	
40 05 19 00-3491	EA		30" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	19,785.54	1,468.37
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-1,931.68	
			For Class 54 Rating, Add	2,660.81	
			For Class 55 Rating, Add	3,969.44	
			For Class 56 Rating, Add	5,260.51	
40 05 19 00-3492	EA		30" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	20,659.96	1,471.84
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,027.29	
			For Class 54 Rating, Add	2,791.24	
			For Class 55 Rating, Add	4,163.39	
			For Class 56 Rating, Add	5,517.10	
40 05 19 00-3493	EA		30" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	21,534.37	1,475.31
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,122.90	
			For Class 54 Rating, Add	2,921.68	
			For Class 55 Rating, Add	4,357.34	
			For Class 56 Rating, Add	5,773.69	
40 05 19 00-3494	EA		30" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	22,408.79	1,478.76
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,218.51	
			For Class 54 Rating, Add	3,052.12	
			For Class 55 Rating, Add	4,551.29	
			For Class 56 Rating, Add	6,030.29	
40 05 19 00-3495	EA		30" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	23,283.21	1,482.23
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,314.11	
			For Class 54 Rating, Add	3,182.56	
			For Class 55 Rating, Add	4,745.24	
			For Class 56 Rating, Add	6,286.88	
40 05 19 00-3496	EA		30" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	24,157.63	1,485.69
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,409.72	
			For Class 54 Rating, Add	3,313.00	
			For Class 55 Rating, Add	4,939.19	
			For Class 56 Rating, Add	6,543.48	
40 05 19 00-3497	EA		30" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	25,032.05	1,489.16
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,505.33	
			For Class 54 Rating, Add	3,443.44	
			For Class 55 Rating, Add	5,133.14	
			For Class 56 Rating, Add	6,800.07	
40 05 19 00-3498	EA		30" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	25,906.47	1,492.61
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,600.94	
			For Class 54 Rating, Add	3,573.88	
			For Class 55 Rating, Add	5,327.09	
			For Class 56 Rating, Add	7,056.67	
40 05 19 00-3499	EA		30" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	26,780.88	1,496.09
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,696.55	
			For Class 54 Rating, Add	3,704.31	
			For Class 55 Rating, Add	5,521.05	
			For Class 56 Rating, Add	7,313.26	
40 05 19 00-3500	EA		30" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	27,655.31	1,499.55
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,792.16	
			For Class 54 Rating, Add	3,834.75	
			For Class 55 Rating, Add	5,715.00	
			For Class 56 Rating, Add	7,569.86	
40 05 19 00-3501	EA		30" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	28,529.73	1,503.00
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,887.77	
			For Class 54 Rating, Add	3,965.19	
			For Class 55 Rating, Add	5,908.95	
			For Class 56 Rating, Add	7,826.45	
40 05 19 00-3502	EA		30" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	29,404.14	1,506.47
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-2,983.38	
			For Class 54 Rating, Add	4,095.63	
			For Class 55 Rating, Add	6,102.90	
			For Class 56 Rating, Add	8,083.05	
40 05 19 00-3503	EA		30" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	30,278.56	1,509.93
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-3,078.99	
			For Class 54 Rating, Add	4,226.07	
			For Class 55 Rating, Add	6,296.85	
			For Class 56 Rating, Add	8,339.64	
40 05 19 00-3504	EA		30" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal	31,152.99	1,513.41
			Coat, Ductile Iron Pipe.....		
			For Class 52 Rating, Deduct	-3,174.60	
			For Class 54 Rating, Add	4,356.51	
			For Class 55 Rating, Add	6,490.80	
			For Class 56 Rating, Add	8,596.24	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-3505	EA	30" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,027.40	1,516.86
		<i>For Class 52 Rating, Deduct</i>	-3,270.20	
		<i>For Class 54 Rating, Add</i>	4,486.95	
		<i>For Class 55 Rating, Add</i>	6,684.75	
		<i>For Class 56 Rating, Add</i>	8,852.83	
40 05 19 00-3506	EA	30" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,901.82	1,520.33
		<i>For Class 52 Rating, Deduct</i>	-3,365.81	
		<i>For Class 54 Rating, Add</i>	4,617.39	
		<i>For Class 55 Rating, Add</i>	6,878.71	
		<i>For Class 56 Rating, Add</i>	9,109.43	
40 05 19 00-3507	EA	30" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	33,776.24	1,523.79
		<i>For Class 52 Rating, Deduct</i>	-3,461.42	
		<i>For Class 54 Rating, Add</i>	4,747.83	
		<i>For Class 55 Rating, Add</i>	7,072.66	
		<i>For Class 56 Rating, Add</i>	9,366.02	
40 05 19 00-3508	EA	30" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,650.67	1,527.26
		<i>For Class 52 Rating, Deduct</i>	-3,557.03	
		<i>For Class 54 Rating, Add</i>	4,878.27	
		<i>For Class 55 Rating, Add</i>	7,266.61	
		<i>For Class 56 Rating, Add</i>	9,622.62	
40 05 19 00-3509	EA	30" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,525.08	1,530.71
		<i>For Class 52 Rating, Deduct</i>	-3,652.64	
		<i>For Class 54 Rating, Add</i>	5,008.70	
		<i>For Class 55 Rating, Add</i>	7,460.56	
		<i>For Class 56 Rating, Add</i>	9,879.21	
40 05 19 00-3510	EA	30" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,399.50	1,534.18
		<i>For Class 52 Rating, Deduct</i>	-3,748.25	
		<i>For Class 54 Rating, Add</i>	5,139.14	
		<i>For Class 55 Rating, Add</i>	7,654.51	
		<i>For Class 56 Rating, Add</i>	10,135.80	
40 05 19 00-3511	EA	30" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,273.92	1,537.65
		<i>For Class 52 Rating, Deduct</i>	-3,843.86	
		<i>For Class 54 Rating, Add</i>	5,269.58	
		<i>For Class 55 Rating, Add</i>	7,848.46	
		<i>For Class 56 Rating, Add</i>	10,392.40	
40 05 19 00-3512	EA	30" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,148.34	1,541.10
		<i>For Class 52 Rating, Deduct</i>	-3,939.47	
		<i>For Class 54 Rating, Add</i>	5,400.02	
		<i>For Class 55 Rating, Add</i>	8,042.41	
		<i>For Class 56 Rating, Add</i>	10,649.00	
40 05 19 00-3513	EA	30" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,022.76	1,544.57
		<i>For Class 52 Rating, Deduct</i>	-4,035.08	
		<i>For Class 54 Rating, Add</i>	5,530.46	
		<i>For Class 55 Rating, Add</i>	8,236.37	
		<i>For Class 56 Rating, Add</i>	10,905.59	
40 05 19 00-3514		36" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe (40 05 19 00-3082)		
40 05 19 00-3515	EA	36" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	11,619.47	1,807.77
		<i>For Class 52 Rating, Deduct</i>	-976.85	
		<i>For Class 54 Rating, Add</i>	1,364.93	
		<i>For Class 55 Rating, Add</i>	2,046.07	
		<i>For Class 56 Rating, Add</i>	2,718.33	
40 05 19 00-3516	EA	36" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	12,791.24	1,811.23
		<i>For Class 52 Rating, Deduct</i>	-1,105.16	
		<i>For Class 54 Rating, Add</i>	1,539.97	
		<i>For Class 55 Rating, Add</i>	2,306.33	
		<i>For Class 56 Rating, Add</i>	3,062.64	
40 05 19 00-3517	EA	36" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	13,963.01	1,814.69
		<i>For Class 52 Rating, Deduct</i>	-1,233.48	
		<i>For Class 54 Rating, Add</i>	1,715.01	
		<i>For Class 55 Rating, Add</i>	2,566.59	
		<i>For Class 56 Rating, Add</i>	3,406.96	
40 05 19 00-3518	EA	36" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,134.77	1,818.16
		<i>For Class 52 Rating, Deduct</i>	-1,361.80	
		<i>For Class 54 Rating, Add</i>	1,890.06	
		<i>For Class 55 Rating, Add</i>	2,826.85	
		<i>For Class 56 Rating, Add</i>	3,751.27	
40 05 19 00-3519	EA	36" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	16,306.54	1,821.62
		<i>For Class 52 Rating, Deduct</i>	-1,490.12	
		<i>For Class 54 Rating, Add</i>	2,065.10	
		<i>For Class 55 Rating, Add</i>	3,087.11	
		<i>For Class 56 Rating, Add</i>	4,095.58	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3520	EA		36" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	17,478.31	1,825.08
			For Class 52 Rating, Deduct	-1,618.43	
			For Class 54 Rating, Add	2,240.14	
			For Class 55 Rating, Add	3,347.37	
			For Class 56 Rating, Add	4,439.89	
40 05 19 00-3521	EA		36" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	18,650.07	1,828.54
			For Class 52 Rating, Deduct	-1,746.75	
			For Class 54 Rating, Add	2,415.18	
			For Class 55 Rating, Add	3,607.63	
			For Class 56 Rating, Add	4,784.21	
40 05 19 00-3522	EA		36" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	19,821.84	1,832.01
			For Class 52 Rating, Deduct	-1,875.07	
			For Class 54 Rating, Add	2,590.22	
			For Class 55 Rating, Add	3,867.89	
			For Class 56 Rating, Add	5,128.52	
40 05 19 00-3523	EA		36" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	20,993.61	1,835.48
			For Class 52 Rating, Deduct	-2,003.38	
			For Class 54 Rating, Add	2,765.26	
			For Class 55 Rating, Add	4,128.15	
			For Class 56 Rating, Add	5,472.83	
40 05 19 00-3524	EA		36" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	22,165.38	1,838.93
			For Class 52 Rating, Deduct	-2,131.70	
			For Class 54 Rating, Add	2,940.30	
			For Class 55 Rating, Add	4,388.41	
			For Class 56 Rating, Add	5,817.15	
40 05 19 00-3525	EA		36" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	23,337.15	1,842.40
			For Class 52 Rating, Deduct	-2,260.02	
			For Class 54 Rating, Add	3,115.34	
			For Class 55 Rating, Add	4,648.67	
			For Class 56 Rating, Add	6,161.46	
40 05 19 00-3526	EA		36" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	24,508.92	1,845.86
			For Class 52 Rating, Deduct	-2,388.34	
			For Class 54 Rating, Add	3,290.39	
			For Class 55 Rating, Add	4,908.93	
			For Class 56 Rating, Add	6,505.77	
40 05 19 00-3527	EA		36" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	25,680.68	1,849.32
			For Class 52 Rating, Deduct	-2,516.65	
			For Class 54 Rating, Add	3,465.43	
			For Class 55 Rating, Add	5,169.19	
			For Class 56 Rating, Add	6,850.08	
40 05 19 00-3528	EA		36" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	26,852.45	1,852.78
			For Class 52 Rating, Deduct	-2,644.97	
			For Class 54 Rating, Add	3,640.47	
			For Class 55 Rating, Add	5,429.45	
			For Class 56 Rating, Add	7,194.40	
40 05 19 00-3529	EA		36" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	28,024.22	1,856.26
			For Class 52 Rating, Deduct	-2,773.29	
			For Class 54 Rating, Add	3,815.51	
			For Class 55 Rating, Add	5,689.71	
			For Class 56 Rating, Add	7,538.71	
40 05 19 00-3530	EA		36" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	29,195.99	1,859.72
			For Class 52 Rating, Deduct	-2,901.61	
			For Class 54 Rating, Add	3,990.55	
			For Class 55 Rating, Add	5,949.97	
			For Class 56 Rating, Add	7,883.02	
40 05 19 00-3531	EA		36" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	30,367.76	1,863.17
			For Class 52 Rating, Deduct	-3,029.92	
			For Class 54 Rating, Add	4,165.59	
			For Class 55 Rating, Add	6,210.23	
			For Class 56 Rating, Add	8,227.33	
40 05 19 00-3532	EA		36" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	31,539.53	1,866.64
			For Class 52 Rating, Deduct	-3,158.24	
			For Class 54 Rating, Add	4,340.63	
			For Class 55 Rating, Add	6,470.49	
			For Class 56 Rating, Add	8,571.64	
40 05 19 00-3533	EA		36" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	32,711.29	1,870.10
			For Class 52 Rating, Deduct	-3,286.56	
			For Class 54 Rating, Add	4,515.67	
			For Class 55 Rating, Add	6,730.75	
			For Class 56 Rating, Add	8,915.96	
40 05 19 00-3534	EA		36" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	33,883.06	1,873.58
			For Class 52 Rating, Deduct	-3,414.88	
			For Class 54 Rating, Add	4,690.71	
			For Class 55 Rating, Add	6,991.01	
			For Class 56 Rating, Add	9,260.27	



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT

DEMOLITION

UNIT COST

UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3535	EA	36"	Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	35,054.84	1,877.03
			<i>For Class 52 Rating, Deduct</i>	-3,543.19	
			<i>For Class 54 Rating, Add</i>	4,865.76	
			<i>For Class 55 Rating, Add</i>	7,251.28	
			<i>For Class 56 Rating, Add</i>	9,604.58	
40 05 19 00-3536	EA	36"	Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,226.61	1,880.50
			<i>For Class 52 Rating, Deduct</i>	-3,671.51	
			<i>For Class 54 Rating, Add</i>	5,040.80	
			<i>For Class 55 Rating, Add</i>	7,511.54	
			<i>For Class 56 Rating, Add</i>	9,948.90	
40 05 19 00-3537	EA	36"	Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,398.37	1,883.96
			<i>For Class 52 Rating, Deduct</i>	-3,799.83	
			<i>For Class 54 Rating, Add</i>	5,215.84	
			<i>For Class 55 Rating, Add</i>	7,771.79	
			<i>For Class 56 Rating, Add</i>	10,293.21	
40 05 19 00-3538	EA	36"	Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	38,570.14	1,887.41
			<i>For Class 52 Rating, Deduct</i>	-3,928.15	
			<i>For Class 54 Rating, Add</i>	5,390.88	
			<i>For Class 55 Rating, Add</i>	8,032.05	
			<i>For Class 56 Rating, Add</i>	10,637.52	
40 05 19 00-3539	EA	36"	Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,741.91	1,890.88
			<i>For Class 52 Rating, Deduct</i>	-4,056.46	
			<i>For Class 54 Rating, Add</i>	5,565.92	
			<i>For Class 55 Rating, Add</i>	8,292.31	
			<i>For Class 56 Rating, Add</i>	10,981.83	
40 05 19 00-3540	EA	36"	Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	40,913.67	1,894.35
			<i>For Class 52 Rating, Deduct</i>	-4,184.78	
			<i>For Class 54 Rating, Add</i>	5,740.96	
			<i>For Class 55 Rating, Add</i>	8,552.57	
			<i>For Class 56 Rating, Add</i>	11,326.15	
40 05 19 00-3541	EA	36"	Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	42,085.44	1,897.82
			<i>For Class 52 Rating, Deduct</i>	-4,313.10	
			<i>For Class 54 Rating, Add</i>	5,916.00	
			<i>For Class 55 Rating, Add</i>	8,812.83	
			<i>For Class 56 Rating, Add</i>	11,670.46	
40 05 19 00-3542	EA	36"	Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	43,257.21	1,901.27
			<i>For Class 52 Rating, Deduct</i>	-4,441.41	
			<i>For Class 54 Rating, Add</i>	6,091.04	
			<i>For Class 55 Rating, Add</i>	9,073.09	
			<i>For Class 56 Rating, Add</i>	12,014.77	
40 05 19 00-3543	EA	36"	Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,428.97	1,904.74
			<i>For Class 52 Rating, Deduct</i>	-4,569.73	
			<i>For Class 54 Rating, Add</i>	6,266.08	
			<i>For Class 55 Rating, Add</i>	9,333.35	
			<i>For Class 56 Rating, Add</i>	12,359.08	
40 05 19 00-3544	EA	36"	Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	45,600.74	1,908.20
			<i>For Class 52 Rating, Deduct</i>	-4,698.05	
			<i>For Class 54 Rating, Add</i>	6,441.12	
			<i>For Class 55 Rating, Add</i>	9,593.61	
			<i>For Class 56 Rating, Add</i>	12,703.39	
40 05 19 00-3545	EA	36"	Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	46,772.52	1,911.65
			<i>For Class 52 Rating, Deduct</i>	-4,826.37	
			<i>For Class 54 Rating, Add</i>	6,616.17	
			<i>For Class 55 Rating, Add</i>	9,853.88	
			<i>For Class 56 Rating, Add</i>	13,047.71	
40 05 19 00-3546	EA	36"	Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	47,944.28	1,915.13
			<i>For Class 52 Rating, Deduct</i>	-4,954.68	
			<i>For Class 54 Rating, Add</i>	6,791.21	
			<i>For Class 55 Rating, Add</i>	10,114.14	
			<i>For Class 56 Rating, Add</i>	13,392.02	
40 05 19 00-3547	EA	36"	Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	49,116.05	1,918.59
			<i>For Class 52 Rating, Deduct</i>	-5,083.00	
			<i>For Class 54 Rating, Add</i>	6,966.25	
			<i>For Class 55 Rating, Add</i>	10,374.40	
			<i>For Class 56 Rating, Add</i>	13,736.33	
40 05 19 00-3548	EA	36"	Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	50,287.82	1,922.06
			<i>For Class 52 Rating, Deduct</i>	-5,211.32	
			<i>For Class 54 Rating, Add</i>	7,141.29	
			<i>For Class 55 Rating, Add</i>	10,634.66	
			<i>For Class 56 Rating, Add</i>	14,080.65	
40 05 19 00-3549	EA	36"	Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	51,459.58	1,925.51
			<i>For Class 52 Rating, Deduct</i>	-5,339.64	
			<i>For Class 54 Rating, Add</i>	7,316.33	
			<i>For Class 55 Rating, Add</i>	10,894.92	
			<i>For Class 56 Rating, Add</i>	14,424.96	

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3550	42" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe <small>(40 05 19 00-3082)</small>		
40 05 19 00-3551	EA 42" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	15,358.04	2,278.76
	For Class 52 Rating, Deduct	-1,309.59	
	For Class 54 Rating, Add	1,827.24	
	For Class 55 Rating, Add	2,737.76	
	For Class 56 Rating, Add	3,636.38	
40 05 19 00-3552	EA 42" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	17,084.48	2,282.21
	For Class 52 Rating, Deduct	-1,498.92	
	For Class 54 Rating, Add	2,085.48	
	For Class 55 Rating, Add	3,121.71	
	For Class 56 Rating, Add	4,144.32	
40 05 19 00-3553	EA 42" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	18,796.62	2,285.68
	For Class 52 Rating, Deduct	-1,686.68	
	For Class 54 Rating, Add	2,341.58	
	For Class 55 Rating, Add	3,502.48	
	For Class 56 Rating, Add	4,648.04	
40 05 19 00-3554	EA 42" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	20,525.91	2,289.14
	For Class 52 Rating, Deduct	-1,876.33	
	For Class 54 Rating, Add	2,600.25	
	For Class 55 Rating, Add	3,887.07	
	For Class 56 Rating, Add	5,156.83	
40 05 19 00-3555	EA 42" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,243.77	2,292.61
	For Class 52 Rating, Deduct	-2,064.71	
	For Class 54 Rating, Add	2,857.20	
	For Class 55 Rating, Add	4,269.10	
	For Class 56 Rating, Add	5,662.24	
40 05 19 00-3556	EA 42" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	23,978.79	2,296.07
	For Class 52 Rating, Deduct	-2,254.99	
	For Class 54 Rating, Add	3,116.73	
	For Class 55 Rating, Add	4,654.97	
	For Class 56 Rating, Add	6,172.71	
40 05 19 00-3557	EA 42" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	25,696.65	2,299.54
	For Class 52 Rating, Deduct	-2,443.38	
	For Class 54 Rating, Add	3,373.68	
	For Class 55 Rating, Add	5,037.01	
	For Class 56 Rating, Add	6,678.12	
40 05 19 00-3558	EA 42" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,434.52	2,303.00
	For Class 52 Rating, Deduct	-2,633.96	
	For Class 54 Rating, Add	3,633.64	
	For Class 55 Rating, Add	5,423.51	
	For Class 56 Rating, Add	7,189.43	
40 05 19 00-3559	EA 42" Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,155.24	2,306.47
	For Class 52 Rating, Deduct	-2,822.67	
	For Class 54 Rating, Add	3,891.03	
	For Class 55 Rating, Add	5,806.19	
	For Class 56 Rating, Add	7,695.68	
40 05 19 00-3560	EA 42" Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	30,895.98	2,309.92
	For Class 52 Rating, Deduct	-3,013.57	
	For Class 54 Rating, Add	4,151.41	
	For Class 55 Rating, Add	6,193.33	
	For Class 56 Rating, Add	8,207.84	
40 05 19 00-3561	EA 42" Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,616.69	2,313.38
	For Class 52 Rating, Deduct	-3,202.27	
	For Class 54 Rating, Add	4,408.80	
	For Class 55 Rating, Add	6,576.00	
	For Class 56 Rating, Add	8,714.09	
40 05 19 00-3562	EA 42" Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,357.43	2,316.86
	For Class 52 Rating, Deduct	-3,393.18	
	For Class 54 Rating, Add	4,669.18	
	For Class 55 Rating, Add	6,963.14	
	For Class 56 Rating, Add	9,226.25	
40 05 19 00-3563	EA 42" Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	36,081.01	2,320.31
	For Class 52 Rating, Deduct	-3,582.19	
	For Class 54 Rating, Add	4,926.99	
	For Class 55 Rating, Add	7,346.45	
	For Class 56 Rating, Add	9,733.35	
40 05 19 00-3564	EA 42" Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,807.44	2,323.78
	For Class 52 Rating, Deduct	-3,771.52	
	For Class 54 Rating, Add	5,185.24	
	For Class 55 Rating, Add	7,730.41	
	For Class 56 Rating, Add	10,241.29	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3565	EA		42" Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	39,545.31	2,327.24
			For Class 52 Rating, Deduct	-3,962.11	
			For Class 54 Rating, Add	5,445.19	
			For Class 55 Rating, Add	8,116.91	
			For Class 56 Rating, Add	10,752.60	
40 05 19 00-3566	EA		42" Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	41,268.89	2,330.71
			For Class 52 Rating, Deduct	-4,151.13	
			For Class 54 Rating, Add	5,703.00	
			For Class 55 Rating, Add	8,500.22	
			For Class 56 Rating, Add	11,259.70	
40 05 19 00-3567	EA		42" Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	43,012.48	2,334.16
			For Class 52 Rating, Deduct	-4,342.35	
			For Class 54 Rating, Add	5,963.82	
			For Class 55 Rating, Add	8,888.00	
			For Class 56 Rating, Add	11,772.70	
40 05 19 00-3568	EA		42" Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	44,738.92	2,337.63
			For Class 52 Rating, Deduct	-4,531.68	
			For Class 54 Rating, Add	6,222.06	
			For Class 55 Rating, Add	9,271.95	
			For Class 56 Rating, Add	12,280.64	
40 05 19 00-3569	EA		42" Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	46,479.66	2,341.10
			For Class 52 Rating, Deduct	-4,722.58	
			For Class 54 Rating, Add	6,482.45	
			For Class 55 Rating, Add	9,659.09	
			For Class 56 Rating, Add	12,792.80	
40 05 19 00-3570	EA		42" Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	48,206.09	2,344.55
			For Class 52 Rating, Deduct	-4,911.91	
			For Class 54 Rating, Add	6,740.69	
			For Class 55 Rating, Add	10,043.04	
			For Class 56 Rating, Add	13,300.74	
40 05 19 00-3571	EA		42" Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	49,949.68	2,348.02
			For Class 52 Rating, Deduct	-5,103.13	
			For Class 54 Rating, Add	7,001.50	
			For Class 55 Rating, Add	10,430.82	
			For Class 56 Rating, Add	13,813.74	
40 05 19 00-3572	EA		42" Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	51,676.12	2,351.48
			For Class 52 Rating, Deduct	-5,292.46	
			For Class 54 Rating, Add	7,259.74	
			For Class 55 Rating, Add	10,814.77	
			For Class 56 Rating, Add	14,321.68	
40 05 19 00-3573	EA		42" Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	53,419.72	2,354.96
			For Class 52 Rating, Deduct	-5,483.68	
			For Class 54 Rating, Add	7,520.56	
			For Class 55 Rating, Add	11,202.55	
			For Class 56 Rating, Add	14,834.68	
40 05 19 00-3574	EA		42" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	55,143.29	2,358.41
			For Class 52 Rating, Deduct	-5,672.69	
			For Class 54 Rating, Add	7,778.37	
			For Class 55 Rating, Add	11,585.86	
			For Class 56 Rating, Add	15,341.78	
40 05 19 00-3575	EA		42" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	56,889.75	2,361.87
			For Class 52 Rating, Deduct	-5,864.23	
			For Class 54 Rating, Add	8,039.62	
			For Class 55 Rating, Add	11,974.27	
			For Class 56 Rating, Add	15,855.62	
40 05 19 00-3576	EA		42" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	58,616.19	2,365.34
			For Class 52 Rating, Deduct	-6,053.56	
			For Class 54 Rating, Add	8,297.86	
			For Class 55 Rating, Add	12,358.22	
			For Class 56 Rating, Add	16,363.56	
40 05 19 00-3577	EA		42" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	60,356.92	2,368.79
			For Class 52 Rating, Deduct	-6,244.46	
			For Class 54 Rating, Add	8,558.24	
			For Class 55 Rating, Add	12,745.36	
			For Class 56 Rating, Add	16,875.72	
40 05 19 00-3578	EA		42" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	62,086.22	2,372.26
			For Class 52 Rating, Deduct	-6,434.11	
			For Class 54 Rating, Add	8,816.91	
			For Class 55 Rating, Add	13,129.95	
			For Class 56 Rating, Add	17,384.50	
40 05 19 00-3579	EA		42" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal		
			Coat, Ductile Iron Pipe.....	63,475.28	2,375.73
			For Class 52 Rating, Deduct	-6,586.33	
			For Class 54 Rating, Add	9,024.55	
			For Class 55 Rating, Add	13,438.67	
			For Class 56 Rating, Add	17,792.91	

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3580	EA		42" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	65,556.24	2,379.20
			<i>For Class 52 Rating, Deduct</i> .....	-6,814.66	
			<i>For Class 54 Rating, Add</i> .....	9,335.97	
			<i>For Class 55 Rating, Add</i> .....	13,901.68	
			<i>For Class 56 Rating, Add</i> .....	18,405.44	
40 05 19 00-3581	EA		42" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	67,279.82	2,382.65
			<i>For Class 52 Rating, Deduct</i> .....	-7,003.67	
			<i>For Class 54 Rating, Add</i> .....	9,593.78	
			<i>For Class 55 Rating, Add</i> .....	14,284.99	
			<i>For Class 56 Rating, Add</i> .....	18,912.54	
40 05 19 00-3582	EA		42" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	69,023.42	2,386.11
			<i>For Class 52 Rating, Deduct</i> .....	-7,194.89	
			<i>For Class 54 Rating, Add</i> .....	9,854.60	
			<i>For Class 55 Rating, Add</i> .....	14,672.77	
			<i>For Class 56 Rating, Add</i> .....	19,425.54	
40 05 19 00-3583	EA		42" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	70,749.85	2,389.58
			<i>For Class 52 Rating, Deduct</i> .....	-7,384.22	
			<i>For Class 54 Rating, Add</i> .....	10,112.84	
			<i>For Class 55 Rating, Add</i> .....	15,056.72	
			<i>For Class 56 Rating, Add</i> .....	19,933.48	
40 05 19 00-3584	EA		42" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	72,496.30	2,393.04
			<i>For Class 52 Rating, Deduct</i> .....	-7,575.75	
			<i>For Class 54 Rating, Add</i> .....	10,374.08	
			<i>For Class 55 Rating, Add</i> .....	15,445.14	
			<i>For Class 56 Rating, Add</i> .....	20,447.32	
40 05 19 00-3585	EA		42" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	74,219.88	2,396.50
			<i>For Class 52 Rating, Deduct</i> .....	-7,764.77	
			<i>For Class 54 Rating, Add</i> .....	10,631.89	
			<i>For Class 55 Rating, Add</i> .....	15,828.45	
			<i>For Class 56 Rating, Add</i> .....	20,954.42	
<b>40 05 19 00-3586</b>			<b>48" Flanged End x Plain End (FxPE), Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe</b> <small>(40 05 19 00-3082)</small>		
40 05 19 00-3587	EA		48" Flanged x Plain End (FxPE), 1'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	19,821.57	2,864.02
			<i>For Class 52 Rating, Deduct</i> .....	-1,703.03	
			<i>For Class 54 Rating, Add</i> .....	2,374.39	
			<i>For Class 55 Rating, Add</i> .....	3,556.66	
			<i>For Class 56 Rating, Add</i> .....	4,723.45	
40 05 19 00-3588	EA		48" Flanged x Plain End (FxPE), 1'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	22,302.82	2,867.49
			<i>For Class 52 Rating, Deduct</i> .....	-1,975.39	
			<i>For Class 54 Rating, Add</i> .....	2,745.86	
			<i>For Class 55 Rating, Add</i> .....	4,108.94	
			<i>For Class 56 Rating, Add</i> .....	5,454.06	
40 05 19 00-3589	EA		48" Flanged x Plain End (FxPE), 2'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	24,792.65	2,870.96
			<i>For Class 52 Rating, Deduct</i> .....	-2,248.70	
			<i>For Class 54 Rating, Add</i> .....	3,118.61	
			<i>For Class 55 Rating, Add</i> .....	4,663.12	
			<i>For Class 56 Rating, Add</i> .....	6,187.20	
40 05 19 00-3590	EA		48" Flanged x Plain End (FxPE), 2'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	27,308.20	2,874.42
			<i>For Class 52 Rating, Deduct</i> .....	-2,524.83	
			<i>For Class 54 Rating, Add</i> .....	3,495.22	
			<i>For Class 55 Rating, Add</i> .....	5,223.05	
			<i>For Class 56 Rating, Add</i> .....	6,927.93	
40 05 19 00-3591	EA		48" Flanged x Plain End (FxPE), 3'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	29,818.03	2,877.88
			<i>For Class 52 Rating, Deduct</i> .....	-2,800.34	
			<i>For Class 54 Rating, Add</i> .....	3,870.97	
			<i>For Class 55 Rating, Add</i> .....	5,781.70	
			<i>For Class 56 Rating, Add</i> .....	7,666.97	
40 05 19 00-3592	EA		48" Flanged x Plain End (FxPE), 3'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	32,330.73	2,881.35
			<i>For Class 52 Rating, Deduct</i> .....	-3,076.16	
			<i>For Class 54 Rating, Add</i> .....	4,247.15	
			<i>For Class 55 Rating, Add</i> .....	6,340.98	
			<i>For Class 56 Rating, Add</i> .....	8,406.85	
40 05 19 00-3593	EA		48" Flanged x Plain End (FxPE), 4'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	34,860.58	2,884.81
			<i>For Class 52 Rating, Deduct</i> .....	-3,353.86	
			<i>For Class 54 Rating, Add</i> .....	4,625.90	
			<i>For Class 55 Rating, Add</i> .....	6,904.10	
			<i>For Class 56 Rating, Add</i> .....	9,151.80	
40 05 19 00-3594	EA		48" Flanged x Plain End (FxPE), 4'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	37,384.71	2,888.26
			<i>For Class 52 Rating, Deduct</i> .....	-3,630.94	
			<i>For Class 54 Rating, Add</i> .....	5,003.80	
			<i>For Class 55 Rating, Add</i> .....	7,465.93	
			<i>For Class 56 Rating, Add</i> .....	9,895.06	

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

MINOR

CSI UOM DESCRIPTION

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3595	EA	48"	Flanged x Plain End (FxPE), 5'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	39,903.13	2,891.73
			<i>For Class 52 Rating, Deduct</i>	-3,907.39	
			<i>For Class 54 Rating, Add</i>	5,380.83	
			<i>For Class 55 Rating, Add</i>	8,026.50	
			<i>For Class 56 Rating, Add</i>	10,636.64	
40 05 19 00-3596	EA	48"	Flanged x Plain End (FxPE), 5'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	42,444.42	2,895.19
			<i>For Class 52 Rating, Deduct</i>	-4,186.35	
			<i>For Class 54 Rating, Add</i>	5,761.30	
			<i>For Class 55 Rating, Add</i>	8,592.16	
			<i>For Class 56 Rating, Add</i>	11,384.96	
40 05 19 00-3597	EA	48"	Flanged x Plain End (FxPE), 6'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	44,974.26	2,898.67
			<i>For Class 52 Rating, Deduct</i>	-4,464.06	
			<i>For Class 54 Rating, Add</i>	6,140.06	
			<i>For Class 55 Rating, Add</i>	9,155.27	
			<i>For Class 56 Rating, Add</i>	12,129.90	
40 05 19 00-3598	EA	48"	Flanged x Plain End (FxPE), 6'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	47,518.41	2,902.12
			<i>For Class 52 Rating, Deduct</i>	-4,743.34	
			<i>For Class 54 Rating, Add</i>	6,520.95	
			<i>For Class 55 Rating, Add</i>	9,721.57	
			<i>For Class 56 Rating, Add</i>	12,879.07	
40 05 19 00-3599	EA	48"	Flanged x Plain End (FxPE), 7'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	50,045.40	2,905.59
			<i>For Class 52 Rating, Deduct</i>	-5,020.73	
			<i>For Class 54 Rating, Add</i>	6,899.28	
			<i>For Class 55 Rating, Add</i>	10,284.04	
			<i>For Class 56 Rating, Add</i>	13,623.17	
40 05 19 00-3600	EA	48"	Flanged x Plain End (FxPE), 7'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	52,578.10	2,909.05
			<i>For Class 52 Rating, Deduct</i>	-5,298.75	
			<i>For Class 54 Rating, Add</i>	7,278.46	
			<i>For Class 55 Rating, Add</i>	10,847.79	
			<i>For Class 56 Rating, Add</i>	14,368.96	
40 05 19 00-3601	EA	48"	Flanged x Plain End (FxPE), 8'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	55,125.11	2,912.52
			<i>For Class 52 Rating, Deduct</i>	-5,578.34	
			<i>For Class 54 Rating, Add</i>	7,659.79	
			<i>For Class 55 Rating, Add</i>	11,414.73	
			<i>For Class 56 Rating, Add</i>	15,118.97	
40 05 19 00-3602	EA	48"	Flanged x Plain End (FxPE), 8'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	57,657.82	2,915.97
			<i>For Class 52 Rating, Deduct</i>	-5,856.36	
			<i>For Class 54 Rating, Add</i>	8,038.97	
			<i>For Class 55 Rating, Add</i>	11,978.48	
			<i>For Class 56 Rating, Add</i>	15,864.76	
40 05 19 00-3603	EA	48"	Flanged x Plain End (FxPE), 9'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	60,190.53	2,919.44
			<i>For Class 52 Rating, Deduct</i>	-6,134.39	
			<i>For Class 54 Rating, Add</i>	8,418.15	
			<i>For Class 55 Rating, Add</i>	12,542.23	
			<i>For Class 56 Rating, Add</i>	16,610.55	
40 05 19 00-3604	EA	48"	Flanged x Plain End (FxPE), 9'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	62,740.39	2,922.91
			<i>For Class 52 Rating, Deduct</i>	-6,414.29	
			<i>For Class 54 Rating, Add</i>	8,799.91	
			<i>For Class 55 Rating, Add</i>	13,109.81	
			<i>For Class 56 Rating, Add</i>	17,361.40	
40 05 19 00-3605	EA	48"	Flanged x Plain End (FxPE), 10'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	65,275.96	2,926.36
			<i>For Class 52 Rating, Deduct</i>	-6,692.63	
			<i>For Class 54 Rating, Add</i>	9,179.52	
			<i>For Class 55 Rating, Add</i>	13,674.19	
			<i>For Class 56 Rating, Add</i>	18,108.03	
40 05 19 00-3606	EA	48"	Flanged x Plain End (FxPE), 10'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	67,808.67	2,929.83
			<i>For Class 52 Rating, Deduct</i>	-6,970.65	
			<i>For Class 54 Rating, Add</i>	9,558.70	
			<i>For Class 55 Rating, Add</i>	14,237.95	
			<i>For Class 56 Rating, Add</i>	18,853.82	
40 05 19 00-3607	EA	48"	Flanged x Plain End (FxPE), 11'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	70,364.25	2,933.29
			<i>For Class 52 Rating, Deduct</i>	-7,251.19	
			<i>For Class 54 Rating, Add</i>	9,941.31	
			<i>For Class 55 Rating, Add</i>	14,806.80	
			<i>For Class 56 Rating, Add</i>	19,606.36	
40 05 19 00-3608	EA	48"	Flanged x Plain End (FxPE), 11'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	72,902.68	2,936.77
			<i>For Class 52 Rating, Deduct</i>	-7,529.84	
			<i>For Class 54 Rating, Add</i>	10,321.35	
			<i>For Class 55 Rating, Add</i>	15,371.82	
			<i>For Class 56 Rating, Add</i>	20,353.84	
40 05 19 00-3609	EA	48"	Flanged x Plain End (FxPE), 12'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	75,438.24	2,940.22
			<i>For Class 52 Rating, Deduct</i>	-7,808.17	
			<i>For Class 54 Rating, Add</i>	10,700.96	
			<i>For Class 55 Rating, Add</i>	15,936.21	
			<i>For Class 56 Rating, Add</i>	21,100.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3610	EA		48" Flanged x Plain End (FxPE), 12'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	77,990.97	2,943.68
			<i>For Class 52 Rating, Deduct</i> .....	-8,088.39	
			<i>For Class 54 Rating, Add</i> .....	11,083.15	
			<i>For Class 55 Rating, Add</i> .....	16,504.42	
			<i>For Class 56 Rating, Add</i> .....	21,852.17	
40 05 19 00-3611	EA		48" Flanged x Plain End (FxPE), 13'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	80,529.40	2,947.15
			<i>For Class 52 Rating, Deduct</i> .....	-8,367.04	
			<i>For Class 54 Rating, Add</i> .....	11,463.19	
			<i>For Class 55 Rating, Add</i> .....	17,069.45	
			<i>For Class 56 Rating, Add</i> .....	22,599.64	
40 05 19 00-3612	EA		48" Flanged x Plain End (FxPE), 13'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	83,064.97	2,950.60
			<i>For Class 52 Rating, Deduct</i> .....	-8,645.38	
			<i>For Class 54 Rating, Add</i> .....	11,842.80	
			<i>For Class 55 Rating, Add</i> .....	17,633.83	
			<i>For Class 56 Rating, Add</i> .....	23,346.28	
40 05 19 00-3613	EA		48" Flanged x Plain End (FxPE), 14'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	85,620.54	2,954.07
			<i>For Class 52 Rating, Deduct</i> .....	-8,925.91	
			<i>For Class 54 Rating, Add</i> .....	12,225.41	
			<i>For Class 55 Rating, Add</i> .....	18,202.68	
			<i>For Class 56 Rating, Add</i> .....	24,098.81	
40 05 19 00-3614	EA		48" Flanged x Plain End (FxPE), 14'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	88,158.97	2,957.54
			<i>For Class 52 Rating, Deduct</i> .....	-9,204.56	
			<i>For Class 54 Rating, Add</i> .....	12,605.45	
			<i>For Class 55 Rating, Add</i> .....	18,767.71	
			<i>For Class 56 Rating, Add</i> .....	24,846.29	
40 05 19 00-3615	EA		48" Flanged x Plain End (FxPE), 15'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	90,397.20	2,961.01
			<i>For Class 52 Rating, Deduct</i> .....	-9,450.19	
			<i>For Class 54 Rating, Add</i> .....	12,940.46	
			<i>For Class 55 Rating, Add</i> .....	19,265.79	
			<i>For Class 56 Rating, Add</i> .....	25,505.21	
40 05 19 00-3616	EA		48" Flanged x Plain End (FxPE), 15'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	93,255.85	2,964.46
			<i>For Class 52 Rating, Deduct</i> .....	-9,764.07	
			<i>For Class 54 Rating, Add</i> .....	13,368.54	
			<i>For Class 55 Rating, Add</i> .....	19,902.22	
			<i>For Class 56 Rating, Add</i> .....	26,347.15	
40 05 19 00-3617	EA		48" Flanged x Plain End (FxPE), 16'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	95,791.42	2,967.92
			<i>For Class 52 Rating, Deduct</i> .....	-10,042.40	
			<i>For Class 54 Rating, Add</i> .....	13,748.15	
			<i>For Class 55 Rating, Add</i> .....	20,466.61	
			<i>For Class 56 Rating, Add</i> .....	27,093.78	
40 05 19 00-3618	EA		48" Flanged x Plain End (FxPE), 16'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	98,352.72	2,971.39
			<i>For Class 52 Rating, Deduct</i> .....	-10,323.57	
			<i>For Class 54 Rating, Add</i> .....	14,131.62	
			<i>For Class 55 Rating, Add</i> .....	21,036.74	
			<i>For Class 56 Rating, Add</i> .....	27,848.01	
40 05 19 00-3619	EA		48" Flanged x Plain End (FxPE), 17'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	100,888.29	2,974.84
			<i>For Class 52 Rating, Deduct</i> .....	-10,601.90	
			<i>For Class 54 Rating, Add</i> .....	14,511.23	
			<i>For Class 55 Rating, Add</i> .....	21,601.13	
			<i>For Class 56 Rating, Add</i> .....	28,594.64	
40 05 19 00-3620	EA		48" Flanged x Plain End (FxPE), 17'-6" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	103,423.86	2,978.31
			<i>For Class 52 Rating, Deduct</i> .....	-10,880.24	
			<i>For Class 54 Rating, Add</i> .....	14,890.84	
			<i>For Class 55 Rating, Add</i> .....	22,165.51	
			<i>For Class 56 Rating, Add</i> .....	29,341.28	
40 05 19 00-3621	EA		48" Flanged x Plain End (FxPE), 18'-0" Spool Length, Class 53, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Pipe.....	105,985.16	2,981.78
			<i>For Class 52 Rating, Deduct</i> .....	-11,161.40	
			<i>For Class 54 Rating, Add</i> .....	15,274.31	
			<i>For Class 55 Rating, Add</i> .....	22,735.64	
			<i>For Class 56 Rating, Add</i> .....	30,095.50	

**40 05 19 00-3622 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows** (40 05 19 00-2073)

40 05 19 00-3623	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	839.43	167.08
40 05 19 00-3624	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,222.05	213.66
40 05 19 00-3625	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	1,729.75	242.02
40 05 19 00-3626	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	2,461.85	306.82
40 05 19 00-3627	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,057.71	340.24
40 05 19 00-3628	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	3,739.39	369.61
40 05 19 00-3629	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	4,592.39	455.68
40 05 19 00-3630	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	5,755.23	546.81
40 05 19 00-3631	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	7,039.12	688.58
40 05 19 00-3632	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	10,417.35	779.72
40 05 19 00-3633	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	16,126.70	1,032.87
40 05 19 00-3634	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	23,832.29	1,169.57
40 05 19 00-3635	EA		42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	40,524.26	1,336.66
40 05 19 00-3636	EA		48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow.....	53,580.53	1,640.44

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

		TOTAL DIRECT	DEMOLITION
		UNIT COST	UNIT COST
<b>40 05 19 00-3637 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron</b>			
<b>45 Degree Elbows</b> <small>(40 05 19 00-2073)</small>			
40 05 19 00-3638	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	801.66	167.08
40 05 19 00-3639	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,159.64	213.66
40 05 19 00-3640	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	1,575.38	242.02
40 05 19 00-3641	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	2,241.79	306.82
40 05 19 00-3642	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	2,773.60	340.24
40 05 19 00-3643	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	3,225.37	369.61
40 05 19 00-3644	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	3,965.06	455.68
40 05 19 00-3645	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	5,039.21	546.81
40 05 19 00-3646	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	6,337.88	688.58
40 05 19 00-3647	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	8,293.93	779.72
40 05 19 00-3648	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	15,750.63	1,032.87
40 05 19 00-3649	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	23,329.76	1,169.57
40 05 19 00-3650	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	35,173.84	1,336.66
40 05 19 00-3651	EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 45 Degree Elbow .....	47,525.59	1,640.44
<b>40 05 19 00-3652 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron</b>			
<b>22-1/2 Degree Elbows</b> <small>(40 05 19 00-2073)</small>			
40 05 19 00-3653	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	800.02	167.08
40 05 19 00-3654	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,138.29	213.66
40 05 19 00-3655	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	1,562.24	242.02
40 05 19 00-3656	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,190.88	306.82
40 05 19 00-3657	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	2,886.91	340.24
40 05 19 00-3658	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	3,571.88	369.61
40 05 19 00-3659	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	4,043.88	455.68
40 05 19 00-3660	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	5,134.46	546.81
40 05 19 00-3661	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	6,746.80	688.58
40 05 19 00-3662	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	9,238.22	779.72
40 05 19 00-3663	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	15,918.14	1,032.87
40 05 19 00-3664	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	23,712.41	1,169.57
40 05 19 00-3665	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	35,937.49	1,336.66
40 05 19 00-3666	EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 22-1/2 Degree Elbow .....	48,524.08	1,640.44
<b>40 05 19 00-3667 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron</b>			
<b>11-1/4 Degree Elbows</b> <small>(40 05 19 00-2073)</small>			
40 05 19 00-3668	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	864.06	167.08
40 05 19 00-3669	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,258.17	213.66
40 05 19 00-3670	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	1,611.51	242.02
40 05 19 00-3671	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	2,366.60	306.82
40 05 19 00-3672	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	3,213.72	340.24
40 05 19 00-3673	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	3,655.63	369.61
40 05 19 00-3674	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	4,396.97	455.68
40 05 19 00-3675	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	5,134.46	546.81
40 05 19 00-3676	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	6,746.80	688.58
40 05 19 00-3677	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	9,573.24	779.72
40 05 19 00-3678	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	16,082.36	1,032.87
40 05 19 00-3679	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	23,879.91	1,169.57
40 05 19 00-3680	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	36,113.21	1,336.66
40 05 19 00-3681	EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 11-1/4 Degree Elbow .....	48,878.80	1,640.44
<b>40 05 19 00-3682 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron</b>			
<b>Reducing 90 Degree Elbows</b> <small>(40 05 19 00-2073)</small>			
40 05 19 00-3683	EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,185.10	190.38
40 05 19 00-3684	EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,518.61	204.55
40 05 19 00-3685	EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	1,650.79	227.83
40 05 19 00-3686	EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,249.24	236.96
40 05 19 00-3687	EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,296.02	260.24
40 05 19 00-3688	EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,463.65	274.42
40 05 19 00-3689	EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,685.04	277.46
40 05 19 00-3690	EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	2,993.91	291.63
40 05 19 00-3691	EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,139.90	324.04
40 05 19 00-3692	EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,118.72	291.63
40 05 19 00-3693	EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,379.97	305.81
40 05 19 00-3694	EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,665.55	338.21
40 05 19 00-3695	EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,980.67	355.42
40 05 19 00-3696	EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,589.56	334.67
40 05 19 00-3697	EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	3,803.19	348.85
40 05 19 00-3698	EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,233.28	381.25
40 05 19 00-3699	EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,549.27	397.96
40 05 19 00-3700	EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,808.00	412.64
40 05 19 00-3701	EA 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,166.06	380.24
40 05 19 00-3702	EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,811.58	394.42
40 05 19 00-3703	EA 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	4,905.03	426.82
40 05 19 00-3704	EA 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,122.48	443.53
40 05 19 00-3705	EA 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,479.75	458.21
40 05 19 00-3706	EA 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,876.68	501.25
40 05 19 00-3707	EA 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,202.95	451.12
40 05 19 00-3708	EA 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow .....	5,483.92	465.30

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-3709	EA 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,562.70	497.70
40 05 19 00-3710	EA 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	6,762.08	514.41
40 05 19 00-3711	EA 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,360.76	529.09
40 05 19 00-3712	EA 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,189.48	572.13
40 05 19 00-3713	EA 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,565.63	617.70
40 05 19 00-3714	EA 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,165.51	496.69
40 05 19 00-3715	EA 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,441.53	510.87
40 05 19 00-3716	EA 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	7,904.47	543.27
40 05 19 00-3717	EA 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,238.53	559.97
40 05 19 00-3718	EA 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	8,878.26	574.66
40 05 19 00-3719	EA 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,459.14	617.70
40 05 19 00-3720	EA 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	9,629.98	663.27
40 05 19 00-3721	EA 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	10,080.34	655.93
40 05 19 00-3722	EA 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,138.49	686.55
40 05 19 00-3723	EA 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	12,824.20	701.24
40 05 19 00-3724	EA 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	14,507.02	744.28
40 05 19 00-3725	EA 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	16,321.76	789.84
40 05 19 00-3726	EA 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,799.29	860.73
40 05 19 00-3727	EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,293.79	906.30
40 05 19 00-3728	EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	21,088.30	929.08
40 05 19 00-3729	EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	23,029.49	974.65
40 05 19 00-3730	EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	24,160.64	1,101.22
40 05 19 00-3731	EA 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,181.63	1,012.62
40 05 19 00-3732	EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,942.05	1,058.18
40 05 19 00-3733	EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	31,943.34	1,184.76
40 05 19 00-3734	EA 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	45,482.07	1,253.11
40 05 19 00-3735	EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	43,509.69	1,222.74
40 05 19 00-3736	EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	47,301.26	1,349.32
40 05 19 00-3737	EA 48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	48,661.14	1,417.67
40 05 19 00-3738	EA 48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing 90 Degree Elbow	60,306.39	1,501.20

**40 05 19 00-3739 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbows** (40 05 19 00-2073)

40 05 19 00-3740	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	979.02	167.08
40 05 19 00-3741	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	1,527.50	213.66
40 05 19 00-3742	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	2,248.70	242.02
40 05 19 00-3743	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	3,131.89	306.82
40 05 19 00-3744	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	4,358.36	340.24
40 05 19 00-3745	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	5,102.45	369.61
40 05 19 00-3746	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	6,499.03	455.68
40 05 19 00-3747	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	7,952.55	546.81
40 05 19 00-3748	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	10,607.71	688.58
40 05 19 00-3749	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	15,413.04	779.72
40 05 19 00-3750	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	26,612.40	1,032.87
40 05 19 00-3751	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	40,193.93	1,169.57
40 05 19 00-3752	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Long Radius 90 Degree Elbow	61,807.69	1,336.66

**40 05 19 00-3753 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbows With Base** (40 05 19 00-2073)

40 05 19 00-3754	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,025.00	167.08
40 05 19 00-3755	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	1,437.18	213.66
40 05 19 00-3756	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	2,309.46	242.02
40 05 19 00-3757	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	3,085.91	306.82
40 05 19 00-3758	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,107.10	340.24
40 05 19 00-3759	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	4,861.04	369.61
40 05 19 00-3760	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	5,925.89	455.68
40 05 19 00-3761	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	7,335.06	546.81
40 05 19 00-3762	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	9,472.92	688.58
40 05 19 00-3763	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	13,251.85	779.72
40 05 19 00-3764	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	21,319.46	1,032.87
40 05 19 00-3765	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	30,273.16	1,169.57
40 05 19 00-3766	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	53,115.32	1,336.66
40 05 19 00-3767	EA 48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron 90 Degree Elbow With Base	59,635.47	1,640.44

**40 05 19 00-3768 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees** (40 05 19 00-2073)

40 05 19 00-3769	EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,275.33	268.34
40 05 19 00-3770	EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	1,646.45	330.11
40 05 19 00-3771	EA 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	2,351.80	368.60
40 05 19 00-3772	EA 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	3,315.52	478.96
40 05 19 00-3773	EA 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	4,404.61	522.51
40 05 19 00-3774	EA 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	5,868.56	562.00
40 05 19 00-3775	EA 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	6,368.57	708.83
40 05 19 00-3776	EA 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	7,891.63	810.09
40 05 19 00-3777	EA 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	9,928.32	1,022.74
40 05 19 00-3778	EA 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	14,534.97	1,129.07
40 05 19 00-3779	EA 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	23,815.35	1,559.43
40 05 19 00-3780	EA 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	33,565.68	1,787.27
40 05 19 00-3781	EA 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee	71,320.64	2,065.74



## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 19 Ductile Iron Process Pipe

TOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

MINOR CSI UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3782 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tees <small>(40 05 19 00-2073)</small>		
40 05 19 00-3783 EA 6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	1,684.18	299.73
40 05 19 00-3784 EA 8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,163.07	305.81
40 05 19 00-3785 EA 8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,139.27	344.29
40 05 19 00-3786 EA 10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,864.14	338.21
40 05 19 00-3787 EA 10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,802.55	376.69
40 05 19 00-3788 EA 10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	2,923.14	401.00
40 05 19 00-3789 EA 12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,637.44	355.42
40 05 19 00-3790 EA 12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,603.77	393.90
40 05 19 00-3791 EA 12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	3,762.13	418.21
40 05 19 00-3792 EA 12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	4,341.73	496.18
40 05 19 00-3793 EA 14" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,174.70	369.61
40 05 19 00-3794 EA 14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,062.21	408.09
40 05 19 00-3795 EA 14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,243.56	432.38
40 05 19 00-3796 EA 14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,456.95	510.36
40 05 19 00-3797 EA 14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,737.37	537.19
40 05 19 00-3798 EA 16" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,236.74	412.64
40 05 19 00-3799 EA 16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,271.93	451.12
40 05 19 00-3800 EA 16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,395.80	475.43
40 05 19 00-3801 EA 16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,509.13	553.40
40 05 19 00-3802 EA 16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,846.92	580.23
40 05 19 00-3803 EA 16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,963.46	605.04
40 05 19 00-3804 EA 18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	5,886.20	496.69
40 05 19 00-3805 EA 18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,916.59	520.99
40 05 19 00-3806 EA 18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,888.56	598.97
40 05 19 00-3807 EA 18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	6,523.57	625.80
40 05 19 00-3808 EA 18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	8,014.56	650.61
40 05 19 00-3809 EA 18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	8,459.22	754.40
40 05 19 00-3810 EA 20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	8,365.00	567.57
40 05 19 00-3811 EA 20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	8,503.64	591.88
40 05 19 00-3812 EA 20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	8,777.79	669.85
40 05 19 00-3813 EA 20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,076.28	696.69
40 05 19 00-3814 EA 20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,164.78	721.49
40 05 19 00-3815 EA 20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	10,814.84	825.29
40 05 19 00-3816 EA 20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	11,001.04	880.98
40 05 19 00-3817 EA 24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	9,655.86	613.14
40 05 19 00-3818 EA 24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	10,030.98	637.45
40 05 19 00-3819 EA 24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	10,337.98	715.42
40 05 19 00-3820 EA 24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	11,446.10	742.25
40 05 19 00-3821 EA 24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	11,688.97	767.06
40 05 19 00-3822 EA 24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	11,982.53	870.85
40 05 19 00-3823 EA 24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	15,428.58	926.54
40 05 19 00-3824 EA 24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	15,889.45	990.09
40 05 19 00-3825 EA 30" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	19,003.14	739.72
40 05 19 00-3826 EA 30" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	19,094.16	764.02
40 05 19 00-3827 EA 30" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	19,544.02	842.00
40 05 19 00-3828 EA 30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	19,584.68	868.83
40 05 19 00-3829 EA 30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	19,622.28	893.64
40 05 19 00-3830 EA 30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	19,779.54	997.43
40 05 19 00-3831 EA 30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	20,410.79	1,053.12
40 05 19 00-3832 EA 30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	21,425.35	1,194.89
40 05 19 00-3833 EA 30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	26,066.42	1,255.65
40 05 19 00-3834 EA 36" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	27,295.28	1,058.69
40 05 19 00-3835 EA 36" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	27,544.49	1,077.93
40 05 19 00-3836 EA 36" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	27,682.31	1,133.12
40 05 19 00-3837 EA 36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	27,881.16	1,154.89
40 05 19 00-3838 EA 36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	27,966.91	1,174.64
40 05 19 00-3839 EA 36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	28,186.54	1,248.05
40 05 19 00-3840 EA 36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	28,320.73	1,298.69
40 05 19 00-3841 EA 36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	28,700.24	1,405.01
40 05 19 00-3842 EA 36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	29,280.03	1,458.17
40 05 19 00-3843 EA 36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	37,813.98	1,673.35
40 05 19 00-3844 EA 42" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	41,338.02	1,020.72
40 05 19 00-3845 EA 42" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	41,436.37	1,045.52
40 05 19 00-3846 EA 42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	41,708.58	1,149.32
40 05 19 00-3847 EA 42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	41,852.10	1,205.02
40 05 19 00-3848 EA 42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	42,301.74	1,346.78
40 05 19 00-3849 EA 42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	42,865.12	1,407.54
40 05 19 00-3850 EA 42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	53,673.14	1,711.33
40 05 19 00-3851 EA 42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	68,437.12	1,870.81
40 05 19 00-3852 EA 48" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	55,479.04	1,185.27
40 05 19 00-3853 EA 48" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	55,516.63	1,210.08
40 05 19 00-3854 EA 48" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	55,847.97	1,313.87
40 05 19 00-3855 EA 48" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	55,932.36	1,369.56
40 05 19 00-3856 EA 48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	56,382.00	1,511.34
40 05 19 00-3857 EA 48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	56,887.90	1,572.09
40 05 19 00-3858 EA 48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Reducing Tee .....	58,170.95	1,875.87
40 05 19 00-3859 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base <small>(40 05 19 00-2073)</small>		
40 05 19 00-3860 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,370.58	268.34
40 05 19 00-3861 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,923.99	330.11

40 05 19 00-3859 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tees With Base (40 05 19 00-2073)

40 05 19 00-3860 EA 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,370.58	268.34
40 05 19 00-3861 EA 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	1,923.99	330.11

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-3862	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	2,821.48	368.60
40 05 19 00-3863	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	4,205.62	478.96
40 05 19 00-3864	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	5,639.57	522.51
40 05 19 00-3865	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	6,349.74	562.00
40 05 19 00-3866	EA		16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	7,787.47	708.83
40 05 19 00-3867	EA		18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	9,400.85	810.09
40 05 19 00-3868	EA		20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	12,347.34	1,022.74
40 05 19 00-3869	EA		24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	17,691.36	1,129.07
40 05 19 00-3870	EA		30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	29,228.17	1,559.43
40 05 19 00-3871	EA		36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Tee With Base .....	41,514.12	1,787.27
<b>40 05 19 00-3872 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wyes</b> <small>(40 05 19 00-2073)</small>					
40 05 19 00-3873	EA		4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	1,132.46	268.34
40 05 19 00-3874	EA		6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	1,634.96	330.11
40 05 19 00-3875	EA		8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	2,389.57	368.60
40 05 19 00-3876	EA		10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	3,148.01	478.96
40 05 19 00-3877	EA		12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	4,170.06	522.51
40 05 19 00-3878	EA		14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Wye .....	6,272.55	562.00
<b>40 05 19 00-3879 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Crosses</b> <small>(40 05 19 00-2073)</small>					
40 05 19 00-3880	EA		4" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	1,461.60	369.61
40 05 19 00-3881	EA		6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	2,027.34	400.49
40 05 19 00-3882	EA		6" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	2,113.57	446.57
40 05 19 00-3883	EA		8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	2,590.74	407.08
40 05 19 00-3884	EA		8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	2,770.60	460.74
40 05 19 00-3885	EA		8" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	2,837.54	495.17
40 05 19 00-3886	EA		10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	3,380.49	439.47
40 05 19 00-3887	EA		10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	3,653.95	493.15
40 05 19 00-3888	EA		10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	3,945.89	527.58
40 05 19 00-3889	EA		10" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	4,752.19	651.12
40 05 19 00-3890	EA		12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	4,391.16	456.18
40 05 19 00-3891	EA		12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	4,567.72	509.86
40 05 19 00-3892	EA		12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	4,859.65	544.29
40 05 19 00-3893	EA		12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	5,715.23	667.82
40 05 19 00-3894	EA		12" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	5,380.37	704.78
40 05 19 00-3895	EA		14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	5,478.42	524.54
40 05 19 00-3896	EA		14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	5,770.36	558.96
40 05 19 00-3897	EA		14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	6,289.26	682.50
40 05 19 00-3898	EA		14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	6,778.82	719.47
40 05 19 00-3899	EA		14" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	7,068.24	754.40
40 05 19 00-3900	EA		16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	6,524.05	567.57
40 05 19 00-3901	EA		16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	6,861.96	602.00
40 05 19 00-3902	EA		16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	7,382.52	725.54
40 05 19 00-3903	EA		16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	7,918.04	762.50
40 05 19 00-3904	EA		16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	10,793.99	797.44
40 05 19 00-3905	EA		16" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	8,795.08	961.99
40 05 19 00-3906	EA		18" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	6,860.77	613.14
40 05 19 00-3907	EA		18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	7,198.69	647.57
40 05 19 00-3908	EA		18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	7,624.00	771.11
40 05 19 00-3909	EA		18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	8,159.53	808.07
40 05 19 00-3910	EA		18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	9,261.85	843.01
40 05 19 00-3911	EA		18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	9,943.08	1,007.55
40 05 19 00-3912	EA		18" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	10,326.91	1,073.38
40 05 19 00-3913	EA		20" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	8,799.27	684.03
40 05 19 00-3914	EA		20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	9,160.17	718.46
40 05 19 00-3915	EA		20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	9,552.63	842.00
40 05 19 00-3916	EA		20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	10,122.66	878.95
40 05 19 00-3917	EA		20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	10,280.69	913.88
40 05 19 00-3918	EA		20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	12,279.00	1,078.44
40 05 19 00-3919	EA		20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	12,685.83	1,144.26
40 05 19 00-3920	EA		20" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	13,728.96	1,356.90
40 05 19 00-3921	EA		24" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	11,581.29	729.59
40 05 19 00-3922	EA		24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	11,842.02	764.02
40 05 19 00-3923	EA		24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	12,387.21	887.56
40 05 19 00-3924	EA		24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	12,751.94	924.52
40 05 19 00-3925	EA		24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	12,959.25	959.45
40 05 19 00-3926	EA		24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	13,568.22	1,124.01
40 05 19 00-3927	EA		24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	17,321.94	1,189.82
40 05 19 00-3928	EA		24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	18,192.36	1,324.26
40 05 19 00-3929	EA		24" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	19,866.20	1,478.42
40 05 19 00-3930	EA		30" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	20,686.90	1,051.10
40 05 19 00-3931	EA		30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	20,794.02	1,086.03
40 05 19 00-3932	EA		30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	21,427.62	1,250.59
40 05 19 00-3933	EA		30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	21,640.67	1,316.40
40 05 19 00-3934	EA		30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	22,567.21	1,529.06
40 05 19 00-3935	EA		30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	29,021.33	1,605.00
40 05 19 00-3936	EA		30" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	32,559.97	2,086.00
40 05 19 00-3937	EA		36" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	28,925.90	1,337.16
40 05 19 00-3938	EA		36" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	28,971.16	1,367.04
40 05 19 00-3939	EA		36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	29,509.47	1,501.20
40 05 19 00-3940	EA		36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross .....	29,709.91	1,561.97



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**MINOR  
CSI UOM DESCRIPTIONTOTAL DIRECT DEMOLITION  
UNIT COST UNIT COST

40 05 19 00-3941	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	30,474.86	1,739.17
40 05 19 00-3942	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	31,459.31	1,807.52
40 05 19 00-3943	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	41,919.28	2,199.91
40 05 19 00-3944	EA	36" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,759.13	2,404.96
40 05 19 00-3945	EA	42" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	42,911.64	1,402.48
40 05 19 00-3946	EA	42" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,072.13	1,468.30
40 05 19 00-3947	EA	42" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	43,955.97	1,680.95
40 05 19 00-3948	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	45,007.12	1,756.89
40 05 19 00-3949	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	57,957.45	2,237.88
40 05 19 00-3950	EA	42" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	78,720.66	2,488.51
40 05 19 00-3951	EA	48" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	58,422.16	1,845.50
40 05 19 00-3952	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	59,473.31	1,921.44
40 05 19 00-3953	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Cross	61,887.03	2,402.44

**40 05 19 00-3954 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducers** (40 05 19 00-2073)

40 05 19 00-3955	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,022.52	190.38
40 05 19 00-3956	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,347.82	204.55
40 05 19 00-3957	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,435.66	227.83
40 05 19 00-3958	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,787.77	236.96
40 05 19 00-3959	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	1,786.93	260.24
40 05 19 00-3960	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,002.18	274.42
40 05 19 00-3961	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,268.75	254.17
40 05 19 00-3962	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,308.97	277.46
40 05 19 00-3963	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,470.04	291.63
40 05 19 00-3964	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,686.64	324.04
40 05 19 00-3965	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,785.35	291.63
40 05 19 00-3966	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	2,998.97	305.81
40 05 19 00-3967	EA	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,212.29	338.21
40 05 19 00-3968	EA	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,126.70	355.42
40 05 19 00-3969	EA	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,305.46	334.67
40 05 19 00-3970	EA	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,159.43	348.85
40 05 19 00-3971	EA	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,413.80	381.25
40 05 19 00-3972	EA	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,813.55	397.96
40 05 19 00-3973	EA	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,280.84	412.64
40 05 19 00-3974	EA	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	3,997.03	394.42
40 05 19 00-3975	EA	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,285.90	426.82
40 05 19 00-3976	EA	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,250.45	443.53
40 05 19 00-3977	EA	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,762.09	458.21
40 05 19 00-3978	EA	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,727.11	501.25
40 05 19 00-3979	EA	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	4,866.44	465.30
40 05 19 00-3980	EA	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,171.73	497.70
40 05 19 00-3981	EA	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,055.79	514.41
40 05 19 00-3982	EA	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,684.03	529.09
40 05 19 00-3983	EA	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	5,366.60	572.13
40 05 19 00-3984	EA	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,386.50	617.70
40 05 19 00-3985	EA	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,014.37	543.27
40 05 19 00-3986	EA	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,573.42	559.97
40 05 19 00-3987	EA	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	7,733.62	574.66
40 05 19 00-3988	EA	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	6,944.87	617.70
40 05 19 00-3989	EA	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,137.19	663.27
40 05 19 00-3990	EA	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	8,536.64	655.93
40 05 19 00-3991	EA	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,565.77	744.28
40 05 19 00-3992	EA	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	11,968.18	789.84
40 05 19 00-3993	EA	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	12,737.40	860.73
40 05 19 00-3994	EA	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	13,906.75	906.30
40 05 19 00-3995	EA	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,320.15	812.63
40 05 19 00-3996	EA	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	16,563.28	858.19
40 05 19 00-3997	EA	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	17,593.62	929.08
40 05 19 00-3998	EA	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	18,511.69	974.65
40 05 19 00-3999	EA	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	21,022.32	1,101.22
40 05 19 00-4000	EA	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	25,578.37	1,058.18
40 05 19 00-4001	EA	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	28,593.17	1,184.76
40 05 19 00-4002	EA	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	32,046.90	1,253.11
40 05 19 00-4003	EA	48" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	33,831.97	1,222.74
40 05 19 00-4004	EA	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	35,853.20	1,349.32
40 05 19 00-4005	EA	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	39,778.27	1,417.67
40 05 19 00-4006	EA	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Concentric Reducer	44,256.78	1,501.20

**40 05 19 00-4007 Flanged End x Flanged End, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducers** (40 05 19 00-2073)

40 05 19 00-4008	EA	6" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,089.85	190.38
40 05 19 00-4009	EA	8" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,425.00	204.55
40 05 19 00-4010	EA	8" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,553.90	227.83
40 05 19 00-4011	EA	10" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,787.77	236.96
40 05 19 00-4012	EA	10" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	1,869.04	260.24
40 05 19 00-4013	EA	10" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,081.01	274.42
40 05 19 00-4014	EA	12" x 4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,268.75	254.17
40 05 19 00-4015	EA	12" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,400.93	277.46
40 05 19 00-4016	EA	12" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,565.29	291.63
40 05 19 00-4017	EA	12" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,852.51	324.04
40 05 19 00-4018	EA	14" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,785.35	291.63
40 05 19 00-4019	EA	14" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer	2,949.70	305.81

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 19 00-4020	EA	14"	14" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,189.30	338.21
40 05 19 00-4021	EA	14"	14" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,550.40	355.42
40 05 19 00-4022	EA	16"	16" x 6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,305.46	334.67
40 05 19 00-4023	EA	16"	16" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,515.79	348.85
40 05 19 00-4024	EA	16"	16" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,806.29	381.25
40 05 19 00-4025	EA	16"	16" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,117.36	397.96
40 05 19 00-4026	EA	16"	16" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,280.84	412.64
40 05 19 00-4027	EA	18"	18" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	3,997.03	394.42
40 05 19 00-4028	EA	18"	18" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,285.90	426.82
40 05 19 00-4029	EA	18"	18" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,595.32	443.53
40 05 19 00-4030	EA	18"	18" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	4,762.09	458.21
40 05 19 00-4031	EA	18"	18" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,113.04	501.25
40 05 19 00-4032	EA	20"	20" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,122.63	465.30
40 05 19 00-4033	EA	20"	20" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,352.37	497.70
40 05 19 00-4034	EA	20"	20" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,558.32	514.41
40 05 19 00-4035	EA	20"	20" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	5,684.03	529.09
40 05 19 00-4036	EA	20"	20" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,107.25	572.13
40 05 19 00-4037	EA	20"	20" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	6,381.58	617.70
40 05 19 00-4038	EA	24"	24" x 8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,191.91	510.87
40 05 19 00-4039	EA	24"	24" x 10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,132.62	543.27
40 05 19 00-4040	EA	24"	24" x 12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,261.40	559.97
40 05 19 00-4041	EA	24"	24" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,385.47	574.66
40 05 19 00-4042	EA	24"	24" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	7,810.33	617.70
40 05 19 00-4043	EA	24"	24" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,137.19	663.27
40 05 19 00-4044	EA	24"	24" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	8,536.64	655.93
40 05 19 00-4045	EA	30"	30" x 14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	14,221.75	701.24
40 05 19 00-4046	EA	30"	30" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	13,276.98	744.28
40 05 19 00-4047	EA	30"	30" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	12,022.38	789.84
40 05 19 00-4048	EA	30"	30" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	12,737.40	860.73
40 05 19 00-4049	EA	30"	30" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	13,906.75	906.30
40 05 19 00-4050	EA	36"	36" x 16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	15,361.08	812.63
40 05 19 00-4051	EA	36"	36" x 18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	15,998.35	858.19
40 05 19 00-4052	EA	36"	36" x 20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	16,931.79	929.08
40 05 19 00-4053	EA	36"	36" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	18,454.21	974.65
40 05 19 00-4054	EA	36"	36" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	21,312.99	1,101.22
40 05 19 00-4055	EA	42"	42" x 24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	25,578.37	1,058.18
40 05 19 00-4056	EA	42"	42" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	28,593.17	1,184.76
40 05 19 00-4057	EA	42"	42" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	32,046.90	1,253.11
40 05 19 00-4058	EA	48"	48" x 30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	35,853.20	1,349.32
40 05 19 00-4059	EA	48"	48" x 36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	39,778.27	1,417.67
40 05 19 00-4060	EA	48"	48" x 42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Eccentric Reducer .....	44,256.78	1,501.20

**40 05 19 00-4061 Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flanges** (40 05 19 00-2073)

40 05 19 00-4062	EA	4"	4" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	498.78	65.82
40 05 19 00-4063	EA	6"	6" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	758.20	97.21
40 05 19 00-4064	EA	8"	8" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,009.17	115.44
40 05 19 00-4065	EA	10"	10" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,460.37	134.68
40 05 19 00-4066	EA	12"	12" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	1,930.86	157.97
40 05 19 00-4067	EA	14"	14" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	2,651.39	177.21
40 05 19 00-4068	EA	16"	16" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	3,200.48	202.53
40 05 19 00-4069	EA	18"	18" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	4,310.21	283.54
40 05 19 00-4070	EA	20"	20" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	5,780.66	354.41
40 05 19 00-4071	EA	24"	24" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	8,454.35	430.36
40 05 19 00-4072	EA	30"	30" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	12,227.22	501.25
40 05 19 00-4073	EA	36"	36" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	22,842.19	551.88
40 05 19 00-4074	EA	42"	42" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	32,711.04	607.58
40 05 19 00-4075	EA	48"	48" Flanged, Ceramic Epoxy Lined (P401), Bituminous Seal Coat, Ductile Iron Blind Flange.....	43,579.50	683.51

**40 05 19 00-4076 Ductile Iron Bolt Packs** (40 05 19)

Note: Labor installation is included with pipe fittings or valves.					
40 05 19 00-4077	EA	4"	4" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	44.25	
				Note: Includes eight (8) 5/8" diameter plain finish bolts with washers and nut.	
				For Zinc Plated, Add	12.39
				For Hot Dip Galvanized, Add	17.70
40 05 19 00-4078	EA	6"	6" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	68.27	
				Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
				For Zinc Plated, Add	19.12
				For Hot Dip Galvanized, Add	27.31
40 05 19 00-4079	EA	8"	8" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	74.13	
				Note: Includes eight (8) 3/4" diameter plain finish bolts with washers and nut.	
				For Zinc Plated, Add	20.76
				For Hot Dip Galvanized, Add	29.65
40 05 19 00-4080	EA	10"	10" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	166.52	
				Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
				For Zinc Plated, Add	46.63
				For Hot Dip Galvanized, Add	66.61
40 05 19 00-4081	EA	12"	12" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	167.98	
				Note: Includes twelve (12) 7/8" diameter plain finish bolts with washers and nut.	
				For Zinc Plated, Add	47.03
				For Hot Dip Galvanized, Add	67.19

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 19 Ductile Iron Process Pipe**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 19 00-4082	EA	14" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	188.20	
		Note: Includes twelve (12) 1" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	52.70	
		<i>For Hot Dip Galvanized, Add</i>	75.28	
40 05 19 00-4083	EA	16" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	316.39	
		Note: Includes sixteen (16) 1" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	88.59	
		<i>For Hot Dip Galvanized, Add</i>	126.56	
40 05 19 00-4084	EA	18" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	459.63	
		Note: Includes sixteen (16) 1-1/8" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	128.70	
		<i>For Hot Dip Galvanized, Add</i>	183.85	
40 05 19 00-4085	EA	20" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	580.34	
		Note: Includes twenty (20) 1-1/8" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	162.50	
		<i>For Hot Dip Galvanized, Add</i>	232.14	
40 05 19 00-4086	EA	24" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	830.36	
		Note: Includes twenty (20) 1-1/4" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	232.50	
		<i>For Hot Dip Galvanized, Add</i>	332.14	
40 05 19 00-4087	EA	30" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,312.09	
		Note: Includes twenty-eight (28) 1-1/4" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	367.39	
		<i>For Hot Dip Galvanized, Add</i>	524.84	
40 05 19 00-4088	EA	36" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	1,871.73	
		Note: Includes thirty-two (32) 1-1/2" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	524.08	
		<i>For Hot Dip Galvanized, Add</i>	748.69	
40 05 19 00-4089	EA	42" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,407.93	
		Note: Includes thirty-six (36) 1-1/2" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	674.22	
		<i>For Hot Dip Galvanized, Add</i>	963.17	
40 05 19 00-4090	EA	48" Pipe Diameter, Ductile Iron Flange Bolt Pack.....	2,943.02	
		Note: Includes forty-four (44) 1-1/2" diameter plain finish bolts with washers and nut.		
		<i>For Zinc Plated, Add</i>	824.05	
		<i>For Hot Dip Galvanized, Add</i>	1,177.21	

**40 05 19 00-4091 Full Face Flange Gaskets, ANSI/AWWA C115/A21.15 (40 05 19)**

Note: Labor installation is included with pipe fittings or valves.

**40 05 19 00-4092 Full Face Flange Styrene Butadiene (SBR) Gaskets (40 05 19 00-4091)**

40 05 19 00-4093	EA	4" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	8.44
40 05 19 00-4094	EA	6" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	10.74
40 05 19 00-4095	EA	8" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	14.57
40 05 19 00-4096	EA	10" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	16.87
40 05 19 00-4097	EA	12" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	18.40
40 05 19 00-4098	EA	14" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	30.67
40 05 19 00-4099	EA	16" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	37.58
40 05 19 00-4100	EA	18" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	39.88
40 05 19 00-4101	EA	20" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	61.35
40 05 19 00-4102	EA	24" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	65.95
40 05 19 00-4103	EA	30" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	85.12
40 05 19 00-4104	EA	36" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	97.39
40 05 19 00-4105	EA	42" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	104.29
40 05 19 00-4106	EA	48" Full Face Flange Styrene Butadiene (SBR) Gasket, 1/8" Thick.....	114.26

**40 05 19 00-4107 Full Face Flange Nitrile Buna-N (NBR) Gaskets (40 05 19 00-4091)**

Note: (Acrylonitrile Butadiene)

40 05 19 00-4108	EA	4" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	26.07
40 05 19 00-4109	EA	6" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	36.81
40 05 19 00-4110	EA	8" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	56.75
40 05 19 00-4111	EA	10" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	62.11
40 05 19 00-4112	EA	12" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	66.72
40 05 19 00-4113	EA	14" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	125.76
40 05 19 00-4114	EA	16" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	154.90
40 05 19 00-4115	EA	18" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	155.67
40 05 19 00-4116	EA	20" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	161.81
40 05 19 00-4117	EA	24" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	171.01
40 05 19 00-4118	EA	30" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	189.41
40 05 19 00-4119	EA	36" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	208.58
40 05 19 00-4120	EA	42" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	296.77
40 05 19 00-4121	EA	48" Full Face Flange Nitrile (NBR) Gasket, 1/8" Thick.....	324.38

**40 05 19 00-4122 Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gaskets (40 05 19 00-4091)**

40 05 19 00-4123	EA	4" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	23.01
40 05 19 00-4124	EA	6" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	29.91
40 05 19 00-4125	EA	8" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	40.64
40 05 19 00-4126	EA	10" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	47.54
40 05 19 00-4127	EA	12" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	52.91
40 05 19 00-4128	EA	14" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	87.42
40 05 19 00-4129	EA	16" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	105.06
40 05 19 00-4130	EA	18" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	105.83
40 05 19 00-4131	EA	20" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	108.13
40 05 19 00-4132	EA	24" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	125.76

MINOR	CSI	UOM DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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40 05 19 00-4133	EA	30" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	154.14	
40 05 19 00-4134	EA	36" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	175.61	
40 05 19 00-4135	EA	42" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	251.53	
40 05 19 00-4136	EA	48" Full Face Flange Ethylene Propylene Diene Monomer (EPDM) Gasket, 1/8" Thick.....	277.60	

**40 05 19 00-4137 Full Face Flange Neoprene Gaskets (40 05 19 00-4091)**

Note: (Polychloroprene)

40 05 19 00-4138	EA	4" Full Face Flange Neoprene Gasket, 1/8" Thick .....	26.84	
40 05 19 00-4139	EA	6" Full Face Flange Neoprene Gasket, 1/8" Thick .....	37.58	
40 05 19 00-4140	EA	8" Full Face Flange Neoprene Gasket, 1/8" Thick .....	57.51	
40 05 19 00-4141	EA	10" Full Face Flange Neoprene Gasket, 1/8" Thick .....	62.11	
40 05 19 00-4142	EA	12" Full Face Flange Neoprene Gasket, 1/8" Thick .....	66.72	
40 05 19 00-4143	EA	14" Full Face Flange Neoprene Gasket, 1/8" Thick .....	88.95	
40 05 19 00-4144	EA	16" Full Face Flange Neoprene Gasket, 1/8" Thick .....	156.44	
40 05 19 00-4145	EA	18" Full Face Flange Neoprene Gasket, 1/8" Thick .....	157.20	
40 05 19 00-4146	EA	20" Full Face Flange Neoprene Gasket, 1/8" Thick .....	166.41	
40 05 19 00-4147	EA	24" Full Face Flange Neoprene Gasket, 1/8" Thick .....	168.71	
40 05 19 00-4148	EA	30" Full Face Flange Neoprene Gasket, 1/8" Thick .....	183.28	
40 05 19 00-4149	EA	36" Full Face Flange Neoprene Gasket, 1/8" Thick .....	206.28	
40 05 19 00-4150	EA	42" Full Face Flange Neoprene Gasket, 1/8" Thick .....	299.07	
40 05 19 00-4151	EA	48" Full Face Flange Neoprene Gasket, 1/8" Thick .....	327.44	

**40 05 19 00-4152 Full Face Flange FKM Gaskets (40 05 19 00-4091)**

Note: (Fluoroelastomer Fluorel Viton®)

40 05 19 00-4153	EA	4" Full Face Flange FKM Gasket, 1/8" Thick .....	131.67	
40 05 19 00-4154	EA	6" Full Face Flange FKM Gasket, 1/8" Thick .....	196.04	
40 05 19 00-4155	EA	8" Full Face Flange FKM Gasket, 1/8" Thick .....	261.87	
40 05 19 00-4156	EA	10" Full Face Flange FKM Gasket, 1/8" Thick .....	316.00	
40 05 19 00-4157	EA	12" Full Face Flange FKM Gasket, 1/8" Thick .....	411.09	
40 05 19 00-4158	EA	14" Full Face Flange FKM Gasket, 1/8" Thick .....	751.96	
40 05 19 00-4159	EA	16" Full Face Flange FKM Gasket, 1/8" Thick .....	861.68	
40 05 19 00-4160	EA	18" Full Face Flange FKM Gasket, 1/8" Thick .....	902.64	
40 05 19 00-4161	EA	20" Full Face Flange FKM Gasket, 1/8" Thick .....	962.62	
40 05 19 00-4162	EA	24" Full Face Flange FKM Gasket, 1/8" Thick .....	1,331.28	
40 05 19 00-4163	EA	30" Full Face Flange FKM Gasket, 1/8" Thick .....	1,596.08	
40 05 19 00-4164	EA	36" Full Face Flange FKM Gasket, 1/8" Thick .....	1,683.86	
40 05 19 00-4165	EA	42" Full Face Flange FKM Gasket, 1/8" Thick .....	2,099.33	
40 05 19 00-4166	EA	48" Full Face Flange FKM Gasket, 1/8" Thick .....	2,200.28	

**40 05 19 00-4167 Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100) (40 05 19)**

40 05 19 00-4168	EA	4" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	433.76	96.08
40 05 19 00-4169	EA	6" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	595.72	117.29
40 05 19 00-4170	EA	8" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	871.02	143.06
40 05 19 00-4171	EA	10" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	1,188.62	174.51
40 05 19 00-4172	EA	12" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	1,505.99	212.80
40 05 19 00-4173	EA	14" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	2,390.53	259.63
40 05 19 00-4174	EA	16" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	3,727.12	316.85
40 05 19 00-4175	EA	18" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	3,869.50	386.46
40 05 19 00-4176	EA	20" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	4,739.84	471.58
40 05 19 00-4177	EA	24" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	5,298.96	575.21
40 05 19 00-4178	EA	30" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	6,815.15	701.88
40 05 19 00-4179	EA	36" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	10,065.49	856.19
40 05 19 00-4180	EA	42" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	25,819.82	1,044.65
40 05 19 00-4181	EA	48" Restrained Flange Adapter For Ductile Iron Pipe (Megaflange 2100).....	32,958.96	1,274.39

**40 05 23 Stainless Steel Process Pipe and Tubing (40 05)**

**40 05 23 23 300- and 400-Series Stainless Steel Process Pipe (40 05 23)**

**40 05 23 23-0001 Schedule 40 Pipe, Type 304, With 150 LB Screwed Fittings Assembly (40 05 23)**

Note: Includes hangers and fittings. Fittings are assumed every 10'. Not for use where detail is available.

40 05 23 23-0002	LF	1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	45.23	12.44
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Type 316, Add</i>	5.27	
		<i>For Work In Restricted Working Space, Add</i>	7.49	
40 05 23 23-0003	LF	3/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	50.89	14.25
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Type 316, Add</i>	5.52	
		<i>For Work In Restricted Working Space, Add</i>	8.90	
40 05 23 23-0004	LF	1" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	59.30	16.08
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Type 316, Add</i>	6.47	
		<i>For Work In Restricted Working Space, Add</i>	10.33	
40 05 23 23-0005	LF	1-1/4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	68.48	19.41
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Type 316, Add</i>	8.16	
		<i>For Work In Restricted Working Space, Add</i>	11.13	
40 05 23 23-0006	LF	1-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly .....	75.71	19.97
		Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available.		
		<i>For Type 316, Add</i>	9.35	
		<i>For Work In Restricted Working Space, Add</i>	11.93	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0007	LF		2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly ..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Type 316, Add</i>	91.74 11.40 14.37	26.39
40 05 23 23-0008	LF		2-1/2" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly ..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Type 316, Add</i>	134.74 19.61 17.80	32.53
40 05 23 23-0009	LF		3" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly ..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Type 316, Add</i>	170.78 25.53 21.77	37.71
40 05 23 23-0010	LF		4" Stainless Steel Pipe, Schedule 40 Type 304 With 150 LB Screwed Fitting Assembly ..... Note: Includes all fittings and hangers. Fittings are assumed every 10'. Not for use where detail is available. <i>For Work In Restricted Working Space, Add</i>	233.51 27.63	37.71
40 05 23 23-0011			<b>Stainless Steel Tubing And Fittings</b> (40 05 23 23)		
40 05 23 23-0012			<b>Type 304 Tubing</b> (40 05 23 23-0011)		
40 05 23 23-0013			<b>0.035" Wall</b> (40 05 23 23-0012)		
40 05 23 23-0014	LF		1/4", 0.035" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	10.62 2.43	4.08
40 05 23 23-0015	LF		3/8", 0.035" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	12.34 2.92	4.84
40 05 23 23-0016	LF		1/2", 0.035" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	14.70 3.41	5.75
40 05 23 23-0017	LF		5/8", 0.035" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	23.16 3.89	6.49
40 05 23 23-0018	LF		3/4", 0.035" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	27.35 4.38	7.25
40 05 23 23-0019	LF		7/8", 0.035" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	30.30 4.88	8.16
40 05 23 23-0020	LF		1", 0.035" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	34.04 5.85	9.82
40 05 23 23-0021			<b>0.049" Wall</b> (40 05 23 23-0012)		
40 05 23 23-0022	LF		1/4", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	17.13 2.92	4.84
40 05 23 23-0023	LF		3/8", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	19.16 3.41	5.75
40 05 23 23-0024	LF		1/2", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	22.94 3.89	6.49
40 05 23 23-0025	LF		5/8", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	29.01 4.88	8.16
40 05 23 23-0026	LF		3/4", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	33.31 5.85	9.82
40 05 23 23-0027	LF		7/8", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	37.55 6.82	11.33
40 05 23 23-0028	LF		1", 0.049" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	43.27 7.75	12.85
40 05 23 23-0029			<b>0.065" Wall</b> (40 05 23 23-0012)		
40 05 23 23-0030	LF		1/4", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	19.99 3.41	5.75
40 05 23 23-0031	LF		3/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	23.00 3.89	6.49
40 05 23 23-0032	LF		1/2", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	28.40 4.88	8.16
40 05 23 23-0033	LF		5/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	33.42 5.85	9.82
40 05 23 23-0034	LF		3/4", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	39.38 6.82	11.33
40 05 23 23-0035	LF		7/8", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	45.22 7.75	12.85
40 05 23 23-0036	LF		1", 0.065" Wall, Type 304, Stainless Steel Tubing..... <i>For Work In Restricted Working Space, Add</i>	50.95 8.72	14.51
40 05 23 23-0037			<b>Type 304 Tube Fittings</b> (40 05 23 23-0011)		
40 05 23 23-0038			<b>90 Degree Elbows</b> (40 05 23 23-0037)		
40 05 23 23-0039	EA		1/4", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	64.00 9.75	16.33
40 05 23 23-0040	EA		3/8", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	75.27 10.67	17.84
40 05 23 23-0041	EA		1/2", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	111.52 12.09	20.10
40 05 23 23-0042	EA		5/8", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	119.41 13.54	22.52
40 05 23 23-0043	EA		3/4", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	133.32 14.63	24.33
40 05 23 23-0044	EA		7/8", Type 304, Stainless Steel, 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	180.30 16.19	27.06



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0045	EA		1", Type 304, Stainless Steel, 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	228.98 19.30	32.19
<b>40 05 23 23-0046</b>			<b>Union Tees</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0047	EA		1/4", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	101.14 14.63	24.33
40 05 23 23-0048	EA		3/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	121.93 16.19	27.06
40 05 23 23-0049	EA		1/2", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	164.69 18.14	30.23
40 05 23 23-0050	EA		5/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	177.73 20.61	34.31
40 05 23 23-0051	EA		3/4", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	225.03 22.12	36.88
40 05 23 23-0052	EA		7/8", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	352.48 24.51	40.81
40 05 23 23-0053	EA		1", Type 304, Stainless Steel, Union Tee <i>For Work In Restricted Working Space, Add</i>	422.38 29.25	48.82
<b>40 05 23 23-0054</b>			<b>Unions</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0055	EA		1/4", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	96.97 14.63	24.33
40 05 23 23-0056	EA		3/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	124.28 16.19	27.06
40 05 23 23-0057	EA		1/2", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	166.23 18.14	30.23
40 05 23 23-0058	EA		5/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	201.94 20.61	34.31
40 05 23 23-0059	EA		3/4", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	239.76 22.12	36.88
40 05 23 23-0060	EA		7/8", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	364.23 24.51	40.81
40 05 23 23-0061	EA		1", Type 304, Stainless Steel, Union <i>For Work In Restricted Working Space, Add</i>	389.08 29.25	48.82
<b>40 05 23 23-0062</b>			<b>Male Connectors</b> <small>(40 05 23 23-0037)</small>		
40 05 23 23-0063	EA		1/4" x 1/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	49.08 9.75	16.33
40 05 23 23-0064	EA		3/8" x 3/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	60.60 10.67	17.84
40 05 23 23-0065	EA		1/2" x 1/2", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	77.78 12.09	20.10
40 05 23 23-0066	EA		5/8" x 5/8" Male Connection, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	87.60 13.54	22.52
40 05 23 23-0067	EA		3/4" x 3/4", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	105.05 14.63	24.33
40 05 23 23-0068	EA		7/8" x 7/8", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	155.51 16.19	27.06
40 05 23 23-0069	EA		1" x 1", Type 304, Stainless Steel, Male Connection <i>For Work In Restricted Working Space, Add</i>	163.95 19.30	32.19
<b>40 05 23 23-0070</b>			<b>Type 304 Valves</b> <small>(40 05 23 23-0011)</small>		
<b>40 05 23 23-0071</b>			<b>Gate Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0072	EA		1/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	241.37 13.20	24.33
40 05 23 23-0073	EA		3/8" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	402.20 13.90	28.57
40 05 23 23-0074	EA		1/2" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	420.19 19.30	32.19
40 05 23 23-0075	EA		3/4" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	466.18 22.12	36.88
40 05 23 23-0076	EA		1" Gate Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	432.78 29.25	48.82
<b>40 05 23 23-0077</b>			<b>Globe Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0078	EA		1/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	244.60 13.20	24.33
40 05 23 23-0079	EA		3/8" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	164.39 13.90	28.57
40 05 23 23-0080	EA		1/2" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	292.28 19.30	32.19
40 05 23 23-0081	EA		3/4" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	325.70 22.12	36.88
40 05 23 23-0082	EA		1" Globe Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	473.49 29.25	48.82
<b>40 05 23 23-0083</b>			<b>Check Valves</b> <small>(40 05 23 23-0070)</small>		
40 05 23 23-0084	EA		1/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	339.63 13.20	24.33

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR		TOTAL DIRECT	DEMOLITION
CSI	UOM DESCRIPTION	UNIT COST	UNIT COST
40 05 23 23-0085	EA 3/8" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	341.95 13.90	28.57
40 05 23 23-0086	EA 1/2" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	229.56 19.30	32.19
40 05 23 23-0087	EA 3/4" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	241.36 22.12	36.88
40 05 23 23-0088	EA 1" Check Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	269.93 29.25	48.82
<b>40 05 23 23-0089</b>	<b>Plug Valves</b> (40 05 23 23-0070)		
40 05 23 23-0090	EA 1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	524.71 19.30	32.19
40 05 23 23-0091	EA 3/4" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	575.03 22.12	36.88
40 05 23 23-0092	EA 1" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	653.37 29.25	48.82
40 05 23 23-0093	EA 1-1/2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	903.39 33.10	55.16
40 05 23 23-0094	EA 2" Plug Valve, Stainless Steel Type 304 <i>For Work In Restricted Working Space, Add</i>	1,177.61 45.34	75.57
<b>40 05 23 23-0095</b>	<b>Type 316 Tubing</b> (40 05 23 23-0011)		
<b>40 05 23 23-0096</b>	<b>0.035" Wall</b> (40 05 23 23-0095)		
40 05 23 23-0097	LF 1/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	11.00 2.43	4.08
40 05 23 23-0098	LF 3/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	14.20 2.92	4.84
40 05 23 23-0099	LF 1/2" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	15.84 3.41	5.75
40 05 23 23-0100	LF 5/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	26.17 3.89	6.49
40 05 23 23-0101	LF 3/4" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	29.69 4.38	7.25
40 05 23 23-0102	LF 7/8" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	37.48 4.88	8.16
40 05 23 23-0103	LF 1" Stainless Steel Tubing, Type 316, 0.035" Wall <i>For Work In Restricted Working Space, Add</i>	39.60 5.85	9.82
<b>40 05 23 23-0104</b>	<b>0.049" Wall</b> (40 05 23 23-0095)		
40 05 23 23-0105	LF 1/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	18.74 2.92	4.84
40 05 23 23-0106	LF 3/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	20.85 3.41	5.75
40 05 23 23-0107	LF 1/2" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	24.52 3.89	6.49
40 05 23 23-0108	LF 5/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	31.94 4.88	8.16
40 05 23 23-0109	LF 3/4" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	36.95 5.85	9.82
40 05 23 23-0110	LF 7/8" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	46.90 6.82	11.33
40 05 23 23-0111	LF 1" Stainless Steel Tubing, Type 316, 0.049" Wall <i>For Work In Restricted Working Space, Add</i>	48.18 7.75	12.85
<b>40 05 23 23-0112</b>	<b>0.065" Wall</b> (40 05 23 23-0095)		
40 05 23 23-0113	LF 1/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	21.91 3.41	5.75
40 05 23 23-0114	LF 3/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	24.46 3.89	6.49
40 05 23 23-0115	LF 1/2" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	30.70 4.88	8.16
40 05 23 23-0116	LF 5/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	36.59 5.85	9.82
40 05 23 23-0117	LF 3/4" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	44.24 6.82	11.33
40 05 23 23-0118	LF 7/8" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	48.83 7.75	12.85
40 05 23 23-0119	LF 1" Stainless Steel Tubing, Type 316, 0.065" Wall <i>For Work In Restricted Working Space, Add</i>	56.76 8.72	14.51
<b>40 05 23 23-0120</b>	<b>Type 316 Tube Fittings</b> (40 05 23 23-0011)		
<b>40 05 23 23-0121</b>	<b>90 Degree Elbows</b> (40 05 23 23-0120)		
40 05 23 23-0122	EA 1/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	86.73 9.75	16.33
40 05 23 23-0123	EA 3/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	103.94 10.67	17.84
40 05 23 23-0124	EA 1/2" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	162.92 12.09	20.10
40 05 23 23-0125	EA 5/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	173.04 13.54	22.52

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0126	EA		3/4" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	194.36 14.63	24.33
40 05 23 23-0127	EA		7/8" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	271.50 16.19	27.06
40 05 23 23-0128	EA		1" 90 Degree Elbow, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	347.87 19.30	32.19
<b>40 05 23 23-0129</b>			<b>Union Tees</b> (40 05 23 23-0120)		
40 05 23 23-0130	EA		1/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	138.95 14.63	24.33
40 05 23 23-0131	EA		3/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	170.99 16.19	27.06
40 05 23 23-0132	EA		1/2" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	239.95 18.14	30.23
40 05 23 23-0133	EA		5/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	256.45 20.61	34.31
40 05 23 23-0134	EA		3/4" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	334.28 22.12	36.88
40 05 23 23-0135	EA		7/8" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	547.98 24.51	40.81
40 05 23 23-0136	EA		1" Union Tee, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	656.93 29.25	48.82
<b>40 05 23 23-0137</b>			<b>Unions</b> (40 05 23 23-0120)		
40 05 23 23-0138	EA		1/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	91.20 14.63	24.33
40 05 23 23-0139	EA		3/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	115.88 16.19	27.06
40 05 23 23-0140	EA		1/2" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	153.59 18.14	30.23
40 05 23 23-0141	EA		5/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	186.01 20.61	34.31
40 05 23 23-0142	EA		3/4" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	219.91 22.12	36.88
40 05 23 23-0143	EA		7/8" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	330.46 24.51	40.81
40 05 23 23-0144	EA		1" Union, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	354.22 29.25	48.82
<b>40 05 23 23-0145</b>			<b>Male Connectors</b> (40 05 23 23-0120)		
40 05 23 23-0146	EA		1/4" x 1/4" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	60.80 9.75	16.33
40 05 23 23-0147	EA		3/8" x 3/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	78.30 10.67	17.84
40 05 23 23-0148	EA		1/2" x 1/2" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	104.27 12.09	20.10
40 05 23 23-0149	EA		5/8" x 5/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	117.63 13.54	22.52
40 05 23 23-0150	EA		3/4" x 3/4" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	144.85 14.63	24.33
40 05 23 23-0151	EA		7/8" x 7/8" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	227.29 16.19	27.06
40 05 23 23-0152	EA		1" x 1" Male Connector, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	234.39 19.30	32.19
<b>40 05 23 23-0153</b>			<b>Type 316 Valves</b> (40 05 23 23-0011)		
<b>40 05 23 23-0154</b>			<b>Gate Valves</b> (40 05 23 23-0153)		
40 05 23 23-0155	EA		1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	305.09 13.20	24.33
40 05 23 23-0156	EA		3/8" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	517.10 13.90	28.57
40 05 23 23-0157	EA		1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	535.09 19.30	32.19
40 05 23 23-0158	EA		3/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	592.90 22.12	36.88
40 05 23 23-0159	EA		1" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	541.03 29.25	48.82
40 05 23 23-0160	EA		1-1/4" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	738.70 30.38	50.63
40 05 23 23-0161	EA		1-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,179.54 33.10	55.16
40 05 23 23-0162	EA		2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	1,405.69 45.34	75.57
40 05 23 23-0163	EA		2-1/2" Gate Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	2,123.25 145.13	241.96
<b>40 05 23 23-0164</b>			<b>Globe Valves</b> (40 05 23 23-0153)		
40 05 23 23-0165	EA		1/4" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	309.37 13.20	24.33
40 05 23 23-0166	EA		3/8" Globe Valve, Stainless Steel Type 316 <i>For Work In Restricted Working Space, Add</i>	202.52 13.90	28.57

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0167	EA		1/2" Globe Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	365.89 19.30	32.19
40 05 23 23-0168	EA		3/4" Globe Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	407.06 22.12	36.88
40 05 23 23-0169	EA		1" Globe Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	594.88 29.25	48.82
40 05 23 23-0170	EA		1-1/4" Globe Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	740.01 30.15	50.33
40 05 23 23-0171	EA		1-1/2" Globe Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	1,222.31 33.10	55.16
40 05 23 23-0172	EA		2" Globe Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	1,448.46 45.34	75.57
40 05 23 23-0173	EA		2-1/2" Globe Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	1,852.38 145.13	241.96
<b>40 05 23 23-0174 Check Valves (40 05 23 23-0153)</b>					
40 05 23 23-0175	EA		1/4" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	435.07 13.20	24.33
40 05 23 23-0176	EA		3/8" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	437.39 13.90	28.57
40 05 23 23-0177	EA		1/2" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	282.92 19.30	32.19
40 05 23 23-0178	EA		3/4" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	295.48 22.12	36.88
40 05 23 23-0179	EA		1" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	325.60 29.25	48.82
40 05 23 23-0180	EA		1-1/4" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	445.98 30.38	50.63
40 05 23 23-0181	EA		1-1/2" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	979.95 33.10	55.16
40 05 23 23-0182	EA		2" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	1,191.85 45.34	75.57
40 05 23 23-0183	EA		2-1/2" Check Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	2,384.61 145.13	241.96
<b>40 05 23 23-0184 Diaphragm Valves, Ethylene Propylene Diene Monomer (EPDM) Lined (40 05 23 23-0153)</b>					
40 05 23 23-0185	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined ..... <i>For Work In Restricted Working Space, Add</i>	469.60 19.30	32.19
40 05 23 23-0186	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined ..... <i>For Work In Restricted Working Space, Add</i>	548.39 22.12	36.88
40 05 23 23-0187	EA		1" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined ..... <i>For Work In Restricted Working Space, Add</i>	699.86 29.25	48.82
40 05 23 23-0188	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined ..... <i>For Work In Restricted Working Space, Add</i>	1,109.63 33.10	55.16
40 05 23 23-0189	EA		2" Diaphragm Valve, Stainless Steel Type 316, Ethylene Propylene Diene Monomer (EPDM) Lined ..... <i>For Work In Restricted Working Space, Add</i>	1,550.18 45.34	75.57
<b>40 05 23 23-0190 Diaphragm Valves, Teflon Lined (40 05 23 23-0153)</b>					
40 05 23 23-0191	EA		1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined ..... <i>For Work In Restricted Working Space, Add</i>	619.49 19.30	32.19
40 05 23 23-0192	EA		3/4" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined ..... <i>For Work In Restricted Working Space, Add</i>	712.17 22.12	36.88
40 05 23 23-0193	EA		1" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined ..... <i>For Work In Restricted Working Space, Add</i>	863.64 29.25	48.82
40 05 23 23-0194	EA		1-1/2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined ..... <i>For Work In Restricted Working Space, Add</i>	1,340.02 33.10	55.16
40 05 23 23-0195	EA		2" Diaphragm Valve, Stainless Steel Type 316, Teflon Lined ..... <i>For Work In Restricted Working Space, Add</i>	1,824.98 45.34	75.57
<b>40 05 23 23-0196 Strainers (40 05 23 23-0153)</b>					
40 05 23 23-0197	EA		1/2" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	620.94 19.30	32.19
40 05 23 23-0198	EA		3/4" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	742.75 22.22	37.03
40 05 23 23-0199	EA		1" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	971.99 29.48	49.12
40 05 23 23-0200	EA		1-1/4" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	1,204.42 30.38	50.63
40 05 23 23-0201	EA		1-1/2" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	1,509.73 33.10	55.16
40 05 23 23-0202	EA		2" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	2,176.26 45.35	75.57
40 05 23 23-0203	EA		2-1/2" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	2,989.96 60.30	100.51
40 05 23 23-0204	EA		3" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	4,355.37 90.68	151.14
40 05 23 23-0205	EA		4" Strainer, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	5,586.60 145.08	241.81
<b>40 05 23 23-0206 Plug Valves (40 05 23 23-0153)</b>					
40 05 23 23-0207	EA		1/2" Plug Valve, Stainless Steel Type 316 ..... <i>For Work In Restricted Working Space, Add</i>	661.17 19.30	32.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0208	EA		3/4" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	723.62 22.12	36.88
40 05 23 23-0209	EA		1" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	818.14 29.25	48.82
40 05 23 23-0210	EA		1-1/2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,138.47 33.10	55.16
40 05 23 23-0211	EA		2" Plug Valve, Stainless Steel Type 316..... <i>For Work In Restricted Working Space, Add</i>	1,481.87 45.34	75.57
<b>40 05 23 23-0212</b>			<b>Cut And Prepare Existing Pipe In-Place</b> (40 05 23 23-0011) Note: For use when connecting pipe to an existing in-place system.		
40 05 23 23-0213	EA		Cut And Prepare 1/2" Stainless Steel Pipe.....	30.33	
40 05 23 23-0214	EA		Cut And Prepare 3/4" Stainless Steel Pipe.....	32.76	
40 05 23 23-0215	EA		Cut And Prepare 1" Stainless Steel Pipe.....	36.85	
40 05 23 23-0216	EA		Cut And Prepare 1-1/4" Stainless Steel Pipe.....	38.66	
40 05 23 23-0217	EA		Cut And Prepare 1-1/2" Stainless Steel Pipe.....	40.94	
40 05 23 23-0218	EA		Cut And Prepare 2" Stainless Steel Pipe.....	43.96	
40 05 23 23-0219	EA		Cut And Prepare 2-1/2" Stainless Steel Pipe.....	47.01	
40 05 23 23-0220	EA		Cut And Prepare 3" Stainless Steel Pipe.....	51.55	
40 05 23 23-0221	EA		Cut And Prepare 4" Stainless Steel Pipe.....	56.10	
40 05 23 23-0222	EA		Cut And Prepare 6" Stainless Steel Pipe.....	60.65	
40 05 23 23-0223	EA		Cut And Prepare 8" Stainless Steel Pipe.....	65.20	
40 05 23 23-0224	EA		Cut And Prepare 10" Stainless Steel Pipe.....	71.27	
40 05 23 23-0225	EA		Cut And Prepare 12" Stainless Steel Pipe.....	77.34	
40 05 23 23-0226	EA		Cut And Prepare 14" Stainless Steel Pipe.....	83.39	
40 05 23 23-0227	EA		Cut And Prepare 16" Stainless Steel Pipe.....	89.46	
40 05 23 23-0228	EA		Cut And Prepare 18" Stainless Steel Pipe.....	94.02	
40 05 23 23-0229	EA		Cut And Prepare 20" Stainless Steel Pipe.....	98.56	
40 05 23 23-0230	EA		Cut And Prepare 24" Stainless Steel Pipe.....	104.63	
<b>40 05 23 23-0231</b>			<b>Stainless Steel Pipe And Fittings</b> (40 05 23 23)		
<b>40 05 23 23-0232</b>			<b>Type 304, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings</b> (40 05 23 23-0231)		
<b>40 05 23 23-0233</b>			<b>Type 304, Schedule 40 Stainless Steel Threaded Pipe</b> (40 05 23 23-0232)		
40 05 23 23-0234	LF		1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	22.94 3.89	6.49
40 05 23 23-0235	LF		3/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	28.24 4.88	8.16
40 05 23 23-0236	LF		1" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	34.72 5.85	9.82
40 05 23 23-0237	LF		1-1/4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	41.75 6.82	11.33
40 05 23 23-0238	LF		1-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	48.33 7.75	12.85
40 05 23 23-0239	LF		2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	61.76 9.75	16.33
40 05 23 23-0240	LF		2-1/2" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	83.92 11.63	19.34
40 05 23 23-0241	LF		3" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	105.50 14.63	24.33
40 05 23 23-0242	LF		4" Pipe, Stainless Steel, Schedule 40 Type 304 For 150 LB Threaded Fitting..... <i>For Work In Restricted Working Space, Add</i>	142.86 19.30	32.19
<b>40 05 23 23-0243</b>			<b>150#, Type 304 Stainless Steel Threaded 90 Degree Elbows</b> (40 05 23 23-0232)		
40 05 23 23-0244	EA		1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	52.09 14.63	24.33
40 05 23 23-0245	EA		3/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	69.08 19.30	32.19
40 05 23 23-0246	EA		1", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	88.63 24.51	40.81
40 05 23 23-0247	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	123.80 33.59	55.92
40 05 23 23-0248	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	147.20 39.43	65.75
40 05 23 23-0249	EA		2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	179.11 47.72	79.49
40 05 23 23-0250	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	297.51 75.57	125.90
40 05 23 23-0251	EA		3", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	383.13 97.51	162.47
40 05 23 23-0252	EA		4", 150#, Type 304 Stainless Steel Threaded 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	516.43 120.91	201.46
<b>40 05 23 23-0253</b>			<b>150#, Type 304 Stainless Steel Threaded 45 Degree Elbows</b> (40 05 23 23-0232)		
40 05 23 23-0254	EA		1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	52.86 14.63	24.33
40 05 23 23-0255	EA		3/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	70.32 19.30	32.19
40 05 23 23-0256	EA		1", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	89.02 24.51	40.81
40 05 23 23-0257	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	123.65 33.59	55.92



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0258	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	145.37 39.43	65.75
40 05 23 23-0259	EA		2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.69 47.72	79.49
40 05 23 23-0260	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	305.82 75.57	125.90
40 05 23 23-0261	EA		3", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	399.34 97.51	162.47
40 05 23 23-0262	EA		4", 150#, Type 304 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	535.31 120.91	201.46
<b>40 05 23 23-0263</b>			<b>150#, Type 304 Stainless Steel Threaded Tees (40 05 23 23-0232)</b>		
40 05 23 23-0264	EA		1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	78.25 22.12	36.88
40 05 23 23-0265	EA		3/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	104.68 29.25	48.82
40 05 23 23-0266	EA		1", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	130.05 36.27	60.45
40 05 23 23-0267	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	186.11 50.38	84.03
40 05 23 23-0268	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	211.51 56.67	94.46
40 05 23 23-0269	EA		2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	280.91 75.57	125.90
40 05 23 23-0270	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	426.42 109.25	182.12
40 05 23 23-0271	EA		3", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	577.21 146.26	243.78
40 05 23 23-0272	EA		4", 150#, Type 304 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	766.51 181.36	302.27
<b>40 05 23 23-0273</b>			<b>150#, Type 304 Stainless Steel Threaded Reducers (40 05 23 23-0232)</b>		
40 05 23 23-0274	EA		3/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	68.51 19.30	32.19
40 05 23 23-0275	EA		1", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	87.41 24.51	40.81
40 05 23 23-0276	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	120.32 33.59	55.92
40 05 23 23-0277	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	143.47 39.43	65.75
40 05 23 23-0278	EA		2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	179.20 47.72	79.49
40 05 23 23-0279	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	295.05 75.57	125.90
40 05 23 23-0280	EA		3", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	386.49 97.51	162.47
40 05 23 23-0281	EA		4", 150#, Type 304 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	504.83 120.91	201.46
<b>40 05 23 23-0282</b>			<b>150#, Type 304 Stainless Steel Threaded Caps (40 05 23 23-0232)</b>		
40 05 23 23-0283	EA		1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	26.59 7.31	12.24
40 05 23 23-0284	EA		3/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	35.28 9.75	16.33
40 05 23 23-0285	EA		1", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	44.47 12.09	20.10
40 05 23 23-0286	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	64.57 17.11	28.57
40 05 23 23-0287	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	74.21 19.30	32.19
40 05 23 23-0288	EA		2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	94.29 24.51	40.81
40 05 23 23-0289	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	143.66 36.27	60.45
40 05 23 23-0290	EA		3", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	190.52 47.72	79.49
40 05 23 23-0291	EA		4", 150#, Type 304 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	254.71 60.45	100.81
<b>40 05 23 23-0292</b>			<b>150#, Type 304 Stainless Steel Threaded Unions (40 05 23 23-0232)</b>		
40 05 23 23-0293	EA		1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	83.07 22.12	36.88
40 05 23 23-0294	EA		3/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	109.35 29.25	48.82
40 05 23 23-0295	EA		1", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	138.81 36.27	60.45
40 05 23 23-0296	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	198.98 50.38	84.03
40 05 23 23-0297	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	224.00 56.67	94.46
40 05 23 23-0298	EA		2", 150#, Type 304 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	293.92 75.57	125.90

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0299	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	491.68 113.35	188.91
40 05 23 23-0300	EA		3", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	630.91 146.27	243.78
40 05 23 23-0301	EA		4", 150#, Type 304 Stainless Steel Threaded Union ..... <i>For Work In Restricted Working Space, Add</i>	635.77 120.92	201.54
<b>40 05 23 23-0302</b>			<b>150#, Type 304 Stainless Steel Threaded Couplings (40 05 23 23-0232)</b>		
40 05 23 23-0303	EA		1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	51.77 14.63	24.33
40 05 23 23-0304	EA		3/4", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	68.66 19.30	32.19
40 05 23 23-0305	EA		1", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	88.29 24.51	40.81
40 05 23 23-0306	EA		1-1/4", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	122.44 33.59	55.92
40 05 23 23-0307	EA		1-1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	143.87 39.43	65.75
40 05 23 23-0308	EA		2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	176.64 47.72	79.49
40 05 23 23-0309	EA		2-1/2", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	290.42 75.57	125.90
40 05 23 23-0310	EA		3", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	374.83 97.51	162.47
40 05 23 23-0311	EA		4", 150#, Type 304 Stainless Steel Threaded Coupling ..... <i>For Work In Restricted Working Space, Add</i>	480.42 120.91	201.46
<b>40 05 23 23-0312</b>			<b>Type 316, Schedule 40 Stainless Steel Pipe And 150 LB Threaded Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0313</b>			<b>Type 316, Schedule 40 Stainless Steel Threaded Pipe (40 05 23 23-0312)</b>		
40 05 23 23-0314	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	28.21 3.89	6.49
40 05 23 23-0315	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	33.44 4.88	8.16
40 05 23 23-0316	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	42.19 5.85	9.82
40 05 23 23-0317	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	51.52 6.82	11.33
40 05 23 23-0318	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	59.90 7.75	12.85
40 05 23 23-0319	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	77.25 9.75	16.33
40 05 23 23-0320	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	105.56 11.63	19.34
40 05 23 23-0321	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	137.78 14.63	24.33
40 05 23 23-0322	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For 150 LB Threaded Fitting ..... <i>For Work In Restricted Working Space, Add</i>	184.88 19.30	32.19
<b>40 05 23 23-0323</b>			<b>150#, Type 316 Stainless Steel Threaded 90 Degree Elbows (40 05 23 23-0312)</b>		
40 05 23 23-0324	EA		1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	53.10 14.63	24.33
40 05 23 23-0325	EA		3/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	70.58 19.30	32.19
40 05 23 23-0326	EA		1", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	89.55 24.51	40.81
40 05 23 23-0327	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	125.45 33.59	55.92
40 05 23 23-0328	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	149.40 39.43	65.75
40 05 23 23-0329	EA		2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	181.83 47.72	79.49
40 05 23 23-0330	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	301.85 75.57	125.90
40 05 23 23-0331	EA		3", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	393.75 97.51	162.47
40 05 23 23-0332	EA		4", 150#, Type 316 Stainless Steel Threaded 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	529.33 120.91	201.46
<b>40 05 23 23-0333</b>			<b>150#, Type 316 Stainless Steel Threaded 45 Degree Elbows (40 05 23 23-0312)</b>		
40 05 23 23-0334	EA		1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	53.91 14.63	24.33
40 05 23 23-0335	EA		3/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	71.09 19.30	32.19
40 05 23 23-0336	EA		1", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	90.15 24.51	40.81
40 05 23 23-0337	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	125.28 33.59	55.92
40 05 23 23-0338	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	147.27 39.43	65.75
40 05 23 23-0339	EA		2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	181.23 47.72	79.49

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0340	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	309.90 75.57	125.90
40 05 23 23-0341	EA		3", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	408.74 97.57	162.47
40 05 23 23-0342	EA		4", 150#, Type 316 Stainless Steel Threaded 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	560.66 120.91	201.46
<b>40 05 23 23-0343</b>			<b>150#, Type 316 Stainless Steel Threaded Tees</b> (40 05 23 23-0312)		
40 05 23 23-0344	EA		1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	79.32 22.12	36.88
40 05 23 23-0345	EA		3/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	105.77 29.25	48.82
40 05 23 23-0346	EA		1", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	131.27 36.27	60.45
40 05 23 23-0347	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	188.58 50.38	84.03
40 05 23 23-0348	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	213.96 56.67	94.46
40 05 23 23-0349	EA		2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	284.14 75.57	125.90
40 05 23 23-0350	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	439.59 109.25	182.12
40 05 23 23-0351	EA		3", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	595.17 146.26	243.78
40 05 23 23-0352	EA		4", 150#, Type 316 Stainless Steel Threaded Tee <i>For Work In Restricted Working Space, Add</i>	779.90 181.36	302.27
<b>40 05 23 23-0353</b>			<b>150#, Type 316 Stainless Steel Threaded Reducers</b> (40 05 23 23-0312)		
40 05 23 23-0354	EA		3/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	69.42 19.30	32.19
40 05 23 23-0355	EA		1", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	90.13 24.51	40.81
40 05 23 23-0356	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	120.83 33.59	55.92
40 05 23 23-0357	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	146.14 39.43	65.75
40 05 23 23-0358	EA		2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	183.88 47.72	79.49
40 05 23 23-0359	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	305.69 75.57	125.90
40 05 23 23-0360	EA		3", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	398.23 97.51	162.47
40 05 23 23-0361	EA		4", 150#, Type 316 Stainless Steel Threaded Reducer <i>For Work In Restricted Working Space, Add</i>	524.42 120.91	201.46
<b>40 05 23 23-0362</b>			<b>150#, Type 316 Stainless Steel Threaded Caps</b> (40 05 23 23-0312)		
40 05 23 23-0363	EA		1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	27.19 7.31	12.24
40 05 23 23-0364	EA		3/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	35.72 9.75	16.33
40 05 23 23-0365	EA		1", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	45.27 12.09	20.10
40 05 23 23-0366	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	66.77 17.11	28.57
40 05 23 23-0367	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	76.81 19.30	32.19
40 05 23 23-0368	EA		2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	97.69 24.51	40.81
40 05 23 23-0369	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	149.27 36.27	60.45
40 05 23 23-0370	EA		3", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	196.22 47.72	79.49
40 05 23 23-0371	EA		4", 150#, Type 316 Stainless Steel Threaded Cap <i>For Work In Restricted Working Space, Add</i>	266.03 60.45	100.81
<b>40 05 23 23-0372</b>			<b>150#, Type 316 Stainless Steel Threaded Unions</b> (40 05 23 23-0312)		
40 05 23 23-0373	EA		1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	84.36 22.12	36.88
40 05 23 23-0374	EA		3/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	114.20 29.25	48.82
40 05 23 23-0375	EA		1", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	141.26 36.27	60.45
40 05 23 23-0376	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	203.15 50.38	84.03
40 05 23 23-0377	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	228.87 56.67	94.46
40 05 23 23-0378	EA		2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	299.56 75.57	125.90
40 05 23 23-0379	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	500.33 113.35	188.91
40 05 23 23-0380	EA		3", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	657.87 146.27	243.78

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0381	EA		4", 150#, Type 316 Stainless Steel Threaded Union <i>For Work In Restricted Working Space, Add</i>	693.22 120.92	201.54
<b>40 05 23 23-0382</b>			<b>150#, Type 316 Stainless Steel Threaded Couplings</b> (40 05 23 23-0312)		
40 05 23 23-0383	EA		1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	53.80 14.63	24.33
40 05 23 23-0384	EA		3/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	69.60 19.30	32.19
40 05 23 23-0385	EA		1", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	89.19 24.51	40.81
40 05 23 23-0386	EA		1-1/4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	123.87 33.59	55.92
40 05 23 23-0387	EA		1-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	145.58 39.43	65.75
40 05 23 23-0388	EA		2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	179.01 47.72	79.49
40 05 23 23-0389	EA		2-1/2", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	298.71 75.57	125.90
40 05 23 23-0390	EA		3", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	385.50 97.51	162.47
40 05 23 23-0391	EA		4", 150#, Type 316 Stainless Steel Threaded Coupling <i>For Work In Restricted Working Space, Add</i>	496.44 120.91	201.46
<b>40 05 23 23-0392</b>			<b>Type 304, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings</b> (40 05 23 23-0231)		
<b>40 05 23 23-0393</b>			<b>Type 304, Schedule 10 Stainless Steel Pipe</b> (40 05 23 23-0392)		
40 05 23 23-0394	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	25.55 3.80	6.33
40 05 23 23-0395	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	30.39 4.64	7.73
40 05 23 23-0396	LF		1" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	40.37 5.44	9.14
40 05 23 23-0397	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	49.26 6.80	11.38
40 05 23 23-0398	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	54.79 7.67	12.78
40 05 23 23-0399	LF		2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	67.76 9.50	15.88
40 05 23 23-0400	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	81.09 10.85	18.13
40 05 23 23-0401	LF		3" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	95.78 12.22	20.37
40 05 23 23-0402	LF		4" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	120.43 14.46	24.17
40 05 23 23-0403	LF		6" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	176.05 18.99	31.76
40 05 23 23-0404	LF		8" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	292.83 36.06	56.12
40 05 23 23-0405	LF		10" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	375.32 39.66	61.70
40 05 23 23-0406	LF		12" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	449.91 44.07	68.60
40 05 23 23-0407	LF		14" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	554.47 49.58	77.12
40 05 23 23-0408	LF		16" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	610.09 56.66	88.14
40 05 23 23-0409	LF		18" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	683.01 66.11	102.83
40 05 23 23-0410	LF		20" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	950.81 79.33	123.40
40 05 23 23-0411	LF		24" Pipe, Stainless Steel Schedule 10 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	1,240.88 99.16	154.24
<b>40 05 23 23-0412</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbow</b> (40 05 23 23-0392)		
40 05 23 23-0413	EA		1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	165.37 48.05	72.09
40 05 23 23-0414	EA		3/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	175.22 51.01	76.51
40 05 23 23-0415	EA		1", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	192.96 56.06	84.09
40 05 23 23-0416	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	210.54 61.10	91.64
40 05 23 23-0417	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	232.54 67.47	101.20
40 05 23 23-0418	EA		2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	259.67 75.06	112.60
40 05 23 23-0419	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	336.41 96.07	144.10
40 05 23 23-0420	EA		3", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	394.54 112.59	168.88
40 05 23 23-0421	EA		4", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	480.67 134.76	202.14
40 05 23 23-0422	EA		6", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	645.46 168.35	252.52

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0423	EA		8", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,099.07 283.31	424.97
40 05 23 23-0424	EA		10", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,590.99 377.74	566.61
40 05 23 23-0425	EA		12", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,400.01 566.62	849.93
40 05 23 23-0426	EA		14", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,831.05 661.05	991.58
40 05 23 23-0427	EA		16", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,308.22 754.06	1,131.08
40 05 23 23-0428	EA		18", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	4,174.49 944.36	1,416.55
40 05 23 23-0429	EA		20", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,824.18 1,322.11	1,983.16
40 05 23 23-0430	EA		24", Type 304, Schedule 10 Stainless Steel 90 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	8,353.83 1,888.72	2,833.09
<b>40 05 23 23-0431</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbow (40 05 23 23-0392)</b>		
40 05 23 23-0432	EA		1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	166.90 48.05	72.09
40 05 23 23-0433	EA		3/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	176.75 51.01	76.51
40 05 23 23-0434	EA		1", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	194.79 56.06	84.09
40 05 23 23-0435	EA		1-1/4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	212.98 61.10	91.64
40 05 23 23-0436	EA		1-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	232.84 67.47	101.20
40 05 23 23-0437	EA		2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	259.67 75.06	112.60
40 05 23 23-0438	EA		2-1/2", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	334.88 96.07	144.10
40 05 23 23-0439	EA		3", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	391.79 112.59	168.88
40 05 23 23-0440	EA		4", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	475.48 134.76	202.14
40 05 23 23-0441	EA		6", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	618.28 168.35	252.52
40 05 23 23-0442	EA		8", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,046.63 283.31	424.97
40 05 23 23-0443	EA		10", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	1,497.64 377.74	566.61
40 05 23 23-0444	EA		12", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,252.22 566.62	849.93
40 05 23 23-0445	EA		14", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	2,649.65 661.05	991.58
40 05 23 23-0446	EA		16", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,084.34 754.06	1,131.08
40 05 23 23-0447	EA		18", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	3,880.49 944.36	1,416.55
40 05 23 23-0448	EA		20", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	5,427.47 1,322.11	1,983.16
40 05 23 23-0449	EA		24", Type 304, Schedule 10 Stainless Steel 45 Degree Elbow..... <i>For Work In Restricted Working Space, Add</i>	7,791.08 1,888.72	2,833.09
<b>40 05 23 23-0450</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld Tee (40 05 23 23-0392)</b>		
40 05 23 23-0451	EA		1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	220.39 61.08	91.61
40 05 23 23-0452	EA		3/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	266.72 74.98	112.46
40 05 23 23-0453	EA		1", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	297.61 84.24	126.37
40 05 23 23-0454	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	338.88 96.07	144.10
40 05 23 23-0455	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	360.53 103.12	154.67
40 05 23 23-0456	EA		2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	392.93 112.47	168.70
40 05 23 23-0457	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	500.06 134.76	202.14
40 05 23 23-0458	EA		3", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	595.95 168.89	253.34
40 05 23 23-0459	EA		4", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	681.29 189.54	284.32
40 05 23 23-0460	EA		6", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	974.05 252.72	379.08
40 05 23 23-0461	EA		8", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	1,569.55 377.74	566.61
40 05 23 23-0462	EA		10", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	2,400.01 566.62	849.93
40 05 23 23-0463	EA		12", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,071.10 708.27	1,062.41
40 05 23 23-0464	EA		14", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	3,763.15 851.14	1,276.72
40 05 23 23-0465	EA		16", Type 304, Schedule 10 Stainless Steel Tee..... <i>For Work In Restricted Working Space, Add</i>	4,563.77 1,038.30	1,557.46



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0466	EA		18", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,807.88 1,322.11	1,983.16
40 05 23 23-0467	EA		20", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	7,745.98 1,739.62	2,609.43
40 05 23 23-0468	EA		24", Type 304, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	11,638.93 2,644.22	3,966.32
<b>40 05 23 23-0469</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld Reducing Tees</b> <small>(40 05 23 23-0392)</small>		
40 05 23 23-0470	EA		3/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	200.03 51.03	76.54
40 05 23 23-0471	EA		1", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	238.36 62.53	93.79
40 05 23 23-0472	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	288.84 70.26	105.38
40 05 23 23-0473	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	304.55 80.09	120.14
40 05 23 23-0474	EA		2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	320.79 86.07	129.09
40 05 23 23-0475	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	404.58 93.80	140.68
40 05 23 23-0476	EA		3", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	477.99 112.43	168.63
40 05 23 23-0477	EA		4", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	590.55 140.51	210.77
40 05 23 23-0478	EA		6", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	760.59 160.55	240.83
40 05 23 23-0479	EA		8", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,383.35 236.09	354.13
40 05 23 23-0480	EA		10", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,225.92 314.79	472.18
40 05 23 23-0481	EA		12", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,196.88 472.18	708.26
40 05 23 23-0482	EA		14", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,874.54 567.27	850.91
40 05 23 23-0483	EA		16", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,790.84 691.96	1,037.94
40 05 23 23-0484	EA		18", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,177.67 881.41	1,322.11
40 05 23 23-0485	EA		20", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	8,717.27 1,159.75	1,739.62
40 05 23 23-0486	EA		24", Type 304, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	13,597.64 1,761.25	2,641.87
<b>40 05 23 23-0487</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld Reducers</b> <small>(40 05 23 23-0392)</small>		
40 05 23 23-0488	EA		3/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	165.05 46.40	69.61
40 05 23 23-0489	EA		1", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	181.39 50.57	75.85
40 05 23 23-0490	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	201.07 56.06	84.09
40 05 23 23-0491	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	214.95 61.10	91.64
40 05 23 23-0492	EA		2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	234.98 67.47	101.20
40 05 23 23-0493	EA		2-1/2", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	310.96 84.31	126.46
40 05 23 23-0494	EA		3", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	352.01 95.98	143.97
40 05 23 23-0495	EA		4", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	411.62 112.47	168.70
40 05 23 23-0496	EA		6", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	529.82 143.19	214.78
40 05 23 23-0497	EA		8", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	839.88 226.65	339.98
40 05 23 23-0498	EA		10", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,064.77 283.31	424.97
40 05 23 23-0499	EA		12", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,429.68 377.74	566.61
40 05 23 23-0500	EA		14", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,007.33 495.79	743.68
40 05 23 23-0501	EA		16", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,336.61 565.00	847.50
40 05 23 23-0502	EA		18", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,885.72 708.27	1,062.41
40 05 23 23-0503	EA		20", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,014.89 944.36	1,416.55
40 05 23 23-0504	EA		24", Type 304, Schedule 10 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,829.01 1,416.55	2,124.81
40 05 23 23-0505	EA		3/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	193.77 46.40	69.61
40 05 23 23-0506	EA		1", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	202.46 50.57	75.85
40 05 23 23-0507	EA		1-1/4", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	215.50 56.06	84.09
40 05 23 23-0508	EA		1-1/2", Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	241.22 61.10	91.64

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0509	EA	2"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	253.92 67.47	101.20
40 05 23 23-0510	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	331.73 84.31	126.46
40 05 23 23-0511	EA	3"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	372.47 95.98	143.97
40 05 23 23-0512	EA	4"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	427.44 112.47	168.70
40 05 23 23-0513	EA	6"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	586.94 143.19	214.78
40 05 23 23-0514	EA	8"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	962.31 226.65	339.98
40 05 23 23-0515	EA	10"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,303.59 283.31	424.97
40 05 23 23-0516	EA	12"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,650.36 377.74	566.61
40 05 23 23-0517	EA	14"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,516.41 495.79	743.68
40 05 23 23-0518	EA	16"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,919.93 565.00	847.50
40 05 23 23-0519	EA	18"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,597.64 708.27	1,062.41
40 05 23 23-0520	EA	20"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,155.71 944.36	1,416.55
40 05 23 23-0521	EA	24"	Type 304, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	7,340.94 1,416.55	2,124.81
<b>40 05 23 23-0522</b>			<b>Type 304, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0392)</b>		
40 05 23 23-0523	EA	1/2"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	89.56 24.03	36.04
40 05 23 23-0524	EA	3/4"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	97.84 25.50	38.25
40 05 23 23-0525	EA	1"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	107.48 28.03	42.04
40 05 23 23-0526	EA	1-1/4"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	118.17 30.55	45.83
40 05 23 23-0527	EA	1-1/2"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	127.42 33.74	50.60
40 05 23 23-0528	EA	2"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	138.23 37.53	56.29
40 05 23 23-0529	EA	2-1/2"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	179.05 48.03	72.06
40 05 23 23-0530	EA	3"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	203.85 56.30	84.45
40 05 23 23-0531	EA	4"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	245.38 67.38	101.08
40 05 23 23-0532	EA	6"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	314.93 84.31	126.46
40 05 23 23-0533	EA	8"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	533.21 141.65	212.48
40 05 23 23-0534	EA	10"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	710.21 188.87	283.32
40 05 23 23-0535	EA	12"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,049.44 283.31	424.96
40 05 23 23-0536	EA	14"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,230.53 330.53	495.80
40 05 23 23-0537	EA	16"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,422.85 377.03	565.54
40 05 23 23-0538	EA	18"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,794.54 472.18	708.26
40 05 23 23-0539	EA	20"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,484.00 661.05	991.58
40 05 23 23-0540	EA	24"	Type 304, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,642.11 944.36	1,416.54
<b>40 05 23 23-0541</b>			<b>Type 304, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0542</b>			<b>Type 304, Schedule 40 Stainless Steel Pipe (40 05 23 23-0541)</b>		
40 05 23 23-0543	LF	1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	28.73 3.80	6.33
40 05 23 23-0544	LF	3/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	34.88 4.64	7.73
40 05 23 23-0545	LF	1"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	42.79 5.44	9.14
40 05 23 23-0546	LF	1-1/4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	53.49 6.80	11.25
40 05 23 23-0547	LF	1-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	61.66 7.67	12.65
40 05 23 23-0548	LF	2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	79.08 9.50	16.16
40 05 23 23-0549	LF	2-1/2"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	98.36 10.85	18.26
40 05 23 23-0550	LF	3"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	95.47 12.22	20.37
40 05 23 23-0551	LF	4"	Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	158.92 14.46	23.89

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23	23-0552	LF	6" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	248.28 18.99	31.62
40 05 23	23-0553	LF	8" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	437.29 36.06	55.82
40 05 23	23-0554	LF	10" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	555.01 39.66	61.70
40 05 23	23-0555	LF	12" Pipe, Stainless Steel Schedule 40 Type 304 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	693.02 44.07	68.31
<b>40 05 23 23-0556 Type 304, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0541)</b>					
40 05 23	23-0557	EA	1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	166.59 48.05	72.09
40 05 23	23-0558	EA	3/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	176.44 51.01	76.51
40 05 23	23-0559	EA	1", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	193.87 56.06	84.09
40 05 23	23-0560	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	211.20 61.10	91.64
40 05 23	23-0561	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	233.15 67.47	101.20
40 05 23	23-0562	EA	2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	261.81 75.06	112.60
40 05 23	23-0563	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	344.35 96.07	144.10
40 05 23	23-0564	EA	3", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	406.15 112.59	168.88
40 05 23	23-0565	EA	4", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	500.22 134.76	202.14
40 05 23	23-0566	EA	6", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	770.38 168.35	252.52
40 05 23	23-0567	EA	8", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,269.29 283.31	424.97
40 05 23	23-0568	EA	10", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,936.36 377.74	566.61
40 05 23	23-0569	EA	12", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,847.96 566.62	849.93
40 05 23	23-0570	EA	14", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,374.48 661.05	991.58
40 05 23	23-0571	EA	16", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,006.33 754.06	1,131.08
40 05 23	23-0572	EA	18", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,144.50 944.36	1,416.55
40 05 23	23-0573	EA	20", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,021.44 1,322.11	1,983.16
40 05 23	23-0574	EA	24", Type 304, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	10,061.92 1,888.72	2,833.09
<b>40 05 23 23-0575 Type 304, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0541)</b>					
40 05 23	23-0576	EA	1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	168.73 48.05	72.09
40 05 23	23-0577	EA	3/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.58 51.01	76.51
40 05 23	23-0578	EA	1", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	195.40 56.06	84.09
40 05 23	23-0579	EA	1-1/4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	212.76 61.10	91.64
40 05 23	23-0580	EA	1-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	234.67 67.47	101.20
40 05 23	23-0581	EA	2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	262.13 75.06	112.60
40 05 23	23-0582	EA	2-1/2", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	344.35 96.07	144.10
40 05 23	23-0583	EA	3", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	397.60 112.59	168.88
40 05 23	23-0584	EA	4", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	504.80 134.76	202.14
40 05 23	23-0585	EA	6", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	666.23 168.35	252.52
40 05 23	23-0586	EA	8", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,160.10 283.31	424.97
40 05 23	23-0587	EA	10", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,663.57 377.74	566.61
40 05 23	23-0588	EA	12", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,445.54 566.62	849.93
40 05 23	23-0589	EA	14", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,785.98 661.05	991.58
40 05 23	23-0590	EA	16", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,305.65 754.06	1,131.08
40 05 23	23-0591	EA	18", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,166.98 944.36	1,416.55
40 05 23	23-0592	EA	20", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,702.42 1,322.11	1,983.16
40 05 23	23-0593	EA	24", Type 304, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	8,257.93 1,888.72	2,833.09

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0594			<b>Type 304, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0541)</b>		
40 05 23 23-0595	EA		1/2", Type 304, Schedule 40 Stainless Steel Tee.....	221.61	91.61
			<i>For Work In Restricted Working Space, Add</i>	61.08	
40 05 23 23-0596	EA		3/4", Type 304, Schedule 40 Stainless Steel Tee.....	267.94	112.46
			<i>For Work In Restricted Working Space, Add</i>	74.98	
40 05 23 23-0597	EA		1", Type 304, Schedule 40 Stainless Steel Tee.....	298.83	126.37
			<i>For Work In Restricted Working Space, Add</i>	84.24	
40 05 23 23-0598	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Tee.....	341.99	144.10
			<i>For Work In Restricted Working Space, Add</i>	96.07	
40 05 23 23-0599	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	361.75	154.67
			<i>For Work In Restricted Working Space, Add</i>	103.12	
40 05 23 23-0600	EA		2", Type 304, Schedule 40 Stainless Steel Tee.....	394.46	168.70
			<i>For Work In Restricted Working Space, Add</i>	112.47	
40 05 23 23-0601	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Tee.....	504.19	202.14
			<i>For Work In Restricted Working Space, Add</i>	134.76	
40 05 23 23-0602	EA		3", Type 304, Schedule 40 Stainless Steel Tee.....	602.36	253.34
			<i>For Work In Restricted Working Space, Add</i>	168.89	
40 05 23 23-0603	EA		4", Type 304, Schedule 40 Stainless Steel Tee.....	688.31	284.32
			<i>For Work In Restricted Working Space, Add</i>	189.54	
40 05 23 23-0604	EA		6", Type 304, Schedule 40 Stainless Steel Tee.....	1,022.61	379.08
			<i>For Work In Restricted Working Space, Add</i>	252.72	
40 05 23 23-0605	EA		8", Type 304, Schedule 40 Stainless Steel Tee.....	1,713.70	566.61
			<i>For Work In Restricted Working Space, Add</i>	377.74	
40 05 23 23-0606	EA		10", Type 304, Schedule 40 Stainless Steel Tee.....	2,842.37	849.93
			<i>For Work In Restricted Working Space, Add</i>	566.62	
40 05 23 23-0607	EA		12", Type 304, Schedule 40 Stainless Steel Tee.....	3,537.53	1,062.41
			<i>For Work In Restricted Working Space, Add</i>	708.27	
40 05 23 23-0608	EA		14", Type 304, Schedule 40 Stainless Steel Tee.....	4,703.02	1,276.72
			<i>For Work In Restricted Working Space, Add</i>	851.14	
40 05 23 23-0609	EA		16", Type 304, Schedule 40 Stainless Steel Tee.....	5,935.93	1,557.46
			<i>For Work In Restricted Working Space, Add</i>	1,038.30	
40 05 23 23-0610	EA		18", Type 304, Schedule 40 Stainless Steel Tee.....	7,670.93	1,983.16
			<i>For Work In Restricted Working Space, Add</i>	1,322.11	
40 05 23 23-0611	EA		20", Type 304, Schedule 40 Stainless Steel Tee.....	9,931.29	2,609.43
			<i>For Work In Restricted Working Space, Add</i>	1,739.62	
40 05 23 23-0612	EA		24", Type 304, Schedule 40 Stainless Steel Tee.....	15,188.14	3,966.32
			<i>For Work In Restricted Working Space, Add</i>	2,644.22	
40 05 23 23-0613			<b>Type 304, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0541)</b>		
40 05 23 23-0614	EA		3/4", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	204.00	76.54
			<i>For Work In Restricted Working Space, Add</i>	51.03	
40 05 23 23-0615	EA		1", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	242.33	93.79
			<i>For Work In Restricted Working Space, Add</i>	62.53	
40 05 23 23-0616	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	307.95	105.38
			<i>For Work In Restricted Working Space, Add</i>	70.26	
40 05 23 23-0617	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	310.35	120.14
			<i>For Work In Restricted Working Space, Add</i>	80.09	
40 05 23 23-0618	EA		2", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	320.79	129.09
			<i>For Work In Restricted Working Space, Add</i>	86.07	
40 05 23 23-0619	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	385.06	140.68
			<i>For Work In Restricted Working Space, Add</i>	93.80	
40 05 23 23-0620	EA		3", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	434.92	168.63
			<i>For Work In Restricted Working Space, Add</i>	112.43	
40 05 23 23-0621	EA		4", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	567.95	210.77
			<i>For Work In Restricted Working Space, Add</i>	140.51	
40 05 23 23-0622	EA		6", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	764.25	240.83
			<i>For Work In Restricted Working Space, Add</i>	160.55	
40 05 23 23-0623	EA		8", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	1,253.71	354.13
			<i>For Work In Restricted Working Space, Add</i>	236.09	
40 05 23 23-0624	EA		10", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	2,266.49	472.18
			<i>For Work In Restricted Working Space, Add</i>	314.79	
40 05 23 23-0625	EA		12", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	3,278.03	708.26
			<i>For Work In Restricted Working Space, Add</i>	472.18	
40 05 23 23-0626	EA		14", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	3,760.68	850.91
			<i>For Work In Restricted Working Space, Add</i>	567.27	
40 05 23 23-0627	EA		16", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	4,648.24	1,037.94
			<i>For Work In Restricted Working Space, Add</i>	691.96	
40 05 23 23-0628	EA		18", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	5,991.72	1,322.11
			<i>For Work In Restricted Working Space, Add</i>	881.41	
40 05 23 23-0629	EA		20", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	8,438.80	1,739.62
			<i>For Work In Restricted Working Space, Add</i>	1,159.75	
40 05 23 23-0630	EA		24", Type 304, Schedule 40 Stainless Steel Reducing Tee.....	13,154.13	2,641.87
			<i>For Work In Restricted Working Space, Add</i>	1,761.25	
40 05 23 23-0631			<b>Type 304, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0541)</b>		
40 05 23 23-0632	EA		3/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer.....	168.11	69.61
			<i>For Work In Restricted Working Space, Add</i>	46.40	
40 05 23 23-0633	EA		1", Type 304, Schedule 40 Stainless Steel Concentric Reducer.....	184.44	75.85
			<i>For Work In Restricted Working Space, Add</i>	50.57	
40 05 23 23-0634	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Concentric Reducer.....	201.29	84.09
			<i>For Work In Restricted Working Space, Add</i>	56.06	
40 05 23 23-0635	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer.....	218.01	91.64
			<i>For Work In Restricted Working Space, Add</i>	61.10	
40 05 23 23-0636	EA		2", Type 304, Schedule 40 Stainless Steel Concentric Reducer.....	236.81	101.20
			<i>For Work In Restricted Working Space, Add</i>	67.47	



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0637	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	310.96 84.31	126.46
40 05 23 23-0638	EA		3", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	341.01 95.98	143.97
40 05 23 23-0639	EA		4", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	395.98 112.47	168.70
40 05 23 23-0640	EA		6", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	532.27 143.19	214.78
40 05 23 23-0641	EA		8", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	891.74 226.65	339.98
40 05 23 23-0642	EA		10", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,153.84 283.31	424.97
40 05 23 23-0643	EA		12", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,509.17 377.74	566.61
40 05 23 23-0644	EA		14", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,185.73 495.79	743.68
40 05 23 23-0645	EA		16", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,560.87 565.00	847.50
40 05 23 23-0646	EA		18", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,339.86 708.27	1,062.41
40 05 23 23-0647	EA		20", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,550.57 944.36	1,416.55
40 05 23 23-0648	EA		24", Type 304, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	6,383.76 1,416.55	2,124.81
40 05 23 23-0649	EA		3/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	195.01 46.40	69.61
40 05 23 23-0650	EA		1", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	208.88 50.57	75.85
40 05 23 23-0651	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	237.50 56.06	84.09
40 05 23 23-0652	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	252.52 61.10	91.64
40 05 23 23-0653	EA		2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	271.33 67.47	101.20
40 05 23 23-0654	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	331.73 84.31	126.46
40 05 23 23-0655	EA		3", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	410.35 95.98	143.97
40 05 23 23-0656	EA		4", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	453.10 112.47	168.70
40 05 23 23-0657	EA		6", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	612.29 143.19	214.78
40 05 23 23-0658	EA		8", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	964.97 226.65	339.98
40 05 23 23-0659	EA		10", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,301.28 283.31	424.97
40 05 23 23-0660	EA		12", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,770.43 377.74	566.61
40 05 23 23-0661	EA		14", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,826.10 495.79	743.68
40 05 23 23-0662	EA		16", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,207.17 565.00	847.50
40 05 23 23-0663	EA		18", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	4,175.98 708.27	1,062.41
40 05 23 23-0664	EA		20", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,441.13 944.36	1,416.55
40 05 23 23-0665	EA		24", Type 304, Schedule 40 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	8,606.03 1,416.55	2,124.81
<b>40 05 23 23-0666</b>			<b>Type 304, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0541)</b>		
40 05 23 23-0667	EA		1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	90.47 24.03	36.04
40 05 23 23-0668	EA		3/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	96.92 25.50	38.25
40 05 23 23-0669	EA		1", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	108.40 28.03	42.04
40 05 23 23-0670	EA		1-1/4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	122.26 30.55	45.83
40 05 23 23-0671	EA		1-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	131.39 33.74	50.60
40 05 23 23-0672	EA		2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	137.93 37.53	56.29
40 05 23 23-0673	EA		2-1/2", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	176.99 48.03	72.06
40 05 23 23-0674	EA		3", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	205.07 56.30	84.45
40 05 23 23-0675	EA		4", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	249.04 67.38	101.08
40 05 23 23-0676	EA		6", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	337.53 84.31	126.46
40 05 23 23-0677	EA		8", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	569.50 141.65	212.48
40 05 23 23-0678	EA		10", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	761.53 188.87	283.32
40 05 23 23-0679	EA		12", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,147.23 283.31	424.96
40 05 23 23-0680	EA		14", Type 304, Schedule 40 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,320.11 330.53	495.80



**40 Process Interconnections**

**40 05 Common Work Results For Process Interconnections**

**40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0681	EA		16", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,546.08 377.03	565.54
40 05 23 23-0682	EA		18", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	1,940.60 472.18	708.26
40 05 23 23-0683	EA		20", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	2,678.78 661.05	991.58
40 05 23 23-0684	EA		24", Type 304, Schedule 40 Stainless Steel Cap..... <i>For Work In Restricted Working Space, Add</i>	3,967.77 944.36	1,416.54
40 05 23 23-0685			<b>Type 316, Schedule 10 Stainless Steel Pipe And Butt Weld Fittings</b> (40 05 23 23-0231)		
40 05 23 23-0686			<b>Type 316, Schedule 10 Stainless Steel Pipe</b> (40 05 23 23-0685)		
40 05 23 23-0687	LF		1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	29.58 3.80	6.33
40 05 23 23-0688	LF		3/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	35.05 4.64	7.73
40 05 23 23-0689	LF		1" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	47.32 5.44	9.14
40 05 23 23-0690	LF		1-1/4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	57.57 6.80	11.38
40 05 23 23-0691	LF		1-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	63.93 7.67	12.78
40 05 23 23-0692	LF		2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	79.04 9.50	15.88
40 05 23 23-0693	LF		2-1/2" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	95.12 10.85	18.13
40 05 23 23-0694	LF		3" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	112.98 12.22	20.37
40 05 23 23-0695	LF		4" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	142.99 14.46	24.17
40 05 23 23-0696	LF		6" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	211.26 18.99	31.76
40 05 23 23-0697	LF		8" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	346.75 36.06	56.12
40 05 23 23-0698	LF		10" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	451.24 39.66	61.70
40 05 23 23-0699	LF		12" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	544.54 44.07	68.60
40 05 23 23-0700	LF		14" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	676.01 49.58	77.12
40 05 23 23-0701	LF		16" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	741.63 56.66	88.14
40 05 23 23-0702	LF		18" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	827.50 66.11	102.83
40 05 23 23-0703	LF		20" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	1,165.17 79.33	123.40
40 05 23 23-0704	LF		24" Pipe, Stainless Steel Schedule 10 Type 316 For Welded Butt Fitting ..... <i>For Work In Restricted Working Space, Add</i>	1,525.17 99.16	154.24
40 05 23 23-0705			<b>Type 316, Schedule 10 Stainless Steel Butt Weld 90 Degree Elbows</b> (40 05 23 23-0685)		
40 05 23 23-0706	EA		1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	166.90 48.05	72.09
40 05 23 23-0707	EA		3/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	176.75 51.01	76.51
40 05 23 23-0708	EA		1", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	194.79 56.06	84.09
40 05 23 23-0709	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	213.20 61.10	91.64
40 05 23 23-0710	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	234.37 67.47	101.20
40 05 23 23-0711	EA		2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	261.81 75.06	112.60
40 05 23 23-0712	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	340.38 96.07	144.10
40 05 23 23-0713	EA		3", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	400.35 112.59	168.88
40 05 23 23-0714	EA		4", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	489.53 134.76	202.14
40 05 23 23-0715	EA		6", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	668.67 168.35	252.52
40 05 23 23-0716	EA		8", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,142.29 283.31	424.97
40 05 23 23-0717	EA		10", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	1,690.92 377.74	566.61
40 05 23 23-0718	EA		12", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,536.25 566.62	849.93
40 05 23 23-0719	EA		14", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	2,959.25 661.05	991.58
40 05 23 23-0720	EA		16", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	3,511.00 754.06	1,131.08
40 05 23 23-0721	EA		18", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	4,417.65 944.36	1,416.55
40 05 23 23-0722	EA		20", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow ..... <i>For Work In Restricted Working Space, Add</i>	6,171.54 1,322.11	1,983.16

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0723	EA		24", Type 316, Schedule 10 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	8,869.99 1,888.72	2,833.09
<b>40 05 23 23-0724</b>			<b>Type 316, Schedule 10 Stainless Steel Butt Weld 45 Degree Elbows</b> <small>(40 05 23 23-0685)</small>		
40 05 23 23-0725	EA		1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	168.73 48.05	72.09
40 05 23 23-0726	EA		3/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.58 51.01	76.51
40 05 23 23-0727	EA		1", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	196.62 56.06	84.09
40 05 23 23-0728	EA		1-1/4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	215.65 61.10	91.64
40 05 23 23-0729	EA		1-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	234.37 67.47	101.20
40 05 23 23-0730	EA		2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	261.81 75.06	112.60
40 05 23 23-0731	EA		2-1/2", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	338.55 96.07	144.10
40 05 23 23-0732	EA		3", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	397.60 112.59	168.88
40 05 23 23-0733	EA		4", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	483.11 134.76	202.14
40 05 23 23-0734	EA		6", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	630.80 168.35	252.52
40 05 23 23-0735	EA		8", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,074.33 283.31	424.97
40 05 23 23-0736	EA		10", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,663.57 377.74	566.61
40 05 23 23-0737	EA		12", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,445.54 566.62	849.93
40 05 23 23-0738	EA		14", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,874.25 661.05	991.58
40 05 23 23-0739	EA		16", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,355.15 754.06	1,131.08
40 05 23 23-0740	EA		18", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,234.12 944.36	1,416.55
40 05 23 23-0741	EA		20", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	6,006.63 1,322.11	1,983.16
40 05 23 23-0742	EA		24", Type 316, Schedule 10 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	8,650.35 1,888.72	2,833.09
<b>40 05 23 23-0743</b>			<b>Type 316, Schedule 10 Stainless Steel Butt Weld Tees</b> <small>(40 05 23 23-0685)</small>		
40 05 23 23-0744	EA		1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	224.36 61.08	91.61
40 05 23 23-0745	EA		3/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	270.69 74.98	112.46
40 05 23 23-0746	EA		1", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	301.58 84.24	126.37
40 05 23 23-0747	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	346.21 96.07	144.10
40 05 23 23-0748	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	366.33 103.12	154.67
40 05 23 23-0749	EA		2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	398.12 112.47	168.70
40 05 23 23-0750	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	483.42 134.76	202.14
40 05 23 23-0751	EA		3", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	606.03 168.89	253.34
40 05 23 23-0752	EA		4", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	695.03 189.54	284.32
40 05 23 23-0753	EA		6", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,013.45 252.72	379.08
40 05 23 23-0754	EA		8", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,673.11 377.74	566.61
40 05 23 23-0755	EA		10", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	2,598.92 566.62	849.93
40 05 23 23-0756	EA		12", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,334.65 708.27	1,062.41
40 05 23 23-0757	EA		14", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	4,251.83 851.14	1,276.72
40 05 23 23-0758	EA		16", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,037.03 1,038.30	1,557.46
40 05 23 23-0759	EA		18", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,403.34 1,322.11	1,983.16
40 05 23 23-0760	EA		20", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	8,614.32 1,739.62	2,609.43
40 05 23 23-0761	EA		24", Type 316, Schedule 10 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	12,400.52 2,644.22	3,966.32
<b>40 05 23 23-0762</b>			<b>Type 316, Schedule 10 Stainless Steel Butt Weld Reducing Tees</b> <small>(40 05 23 23-0685)</small>		
40 05 23 23-0763	EA		3/4", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	209.50 51.03	76.54
40 05 23 23-0764	EA		1", Type 316, Schedule 10 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	249.66 62.53	93.79

## 40 Process Interconnections

## 40 05 Common Work Results For Process Interconnections

## 40 05 23 Stainless Steel Process Pipe and Tubing

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0765	EA	1-1/4"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	302.62 70.26	105.38
40 05 23 23-0766	EA	1-1/2"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	314.02 80.09	120.14
40 05 23 23-0767	EA	2"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	333.93 86.07	129.09
40 05 23 23-0768	EA	2-1/2"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	444.29 93.80	140.68
40 05 23 23-0769	EA	3"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	442.25 112.43	168.63
40 05 23 23-0770	EA	4"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	590.55 140.51	210.77
40 05 23 23-0771	EA	6"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	817.09 160.55	240.83
40 05 23 23-0772	EA	8"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	1,547.63 236.09	354.13
40 05 23 23-0773	EA	10"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	2,773.83 314.79	472.18
40 05 23 23-0774	EA	12"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	3,663.64 472.18	708.26
40 05 23 23-0775	EA	14"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	4,183.78 567.27	850.91
40 05 23 23-0776	EA	16"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	5,178.13 691.96	1,037.94
40 05 23 23-0777	EA	18"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	6,682.71 881.41	1,322.11
40 05 23 23-0778	EA	20"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	9,473.58 1,159.75	1,739.62
40 05 23 23-0779	EA	24"	Type 316, Schedule 10 Stainless Steel Reducing Tee..... <i>For Work In Restricted Working Space, Add</i>	14,802.22 1,761.25	2,641.87
40 05 23 23-0780	Type 316, Schedule 10 Stainless Steel Butt Weld Reducers (40 05 23 23-0685)				
40 05 23 23-0781	EA	3/4"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	167.80 46.40	69.61
40 05 23 23-0782	EA	1"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	184.75 50.57	75.85
40 05 23 23-0783	EA	1-1/4"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	205.95 56.06	84.09
40 05 23 23-0784	EA	1-1/2"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	217.09 61.10	91.64
40 05 23 23-0785	EA	2"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	236.81 67.47	101.20
40 05 23 23-0786	EA	2-1/2"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	309.68 84.31	126.46
40 05 23 23-0787	EA	3"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	359.34 95.98	143.97
40 05 23 23-0788	EA	4"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	398.16 112.47	168.70
40 05 23 23-0789	EA	6"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	544.79 143.19	214.78
40 05 23 23-0790	EA	8"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	855.53 226.65	339.98
40 05 23 23-0791	EA	10"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,101.40 283.31	424.97
40 05 23 23-0792	EA	12"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,472.90 377.74	566.61
40 05 23 23-0793	EA	14"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,066.85 495.79	743.68
40 05 23 23-0794	EA	16"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,392.97 565.00	847.50
40 05 23 23-0795	EA	18"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	2,968.57 708.27	1,062.41
40 05 23 23-0796	EA	20"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	4,142.90 944.36	1,416.55
40 05 23 23-0797	EA	24"	Type 316, Schedule 10 Stainless Steel Concentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	6,055.97 1,416.55	2,124.81
40 05 23 23-0798	EA	3/4"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	191.54 46.40	69.61
40 05 23 23-0799	EA	1"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	212.94 50.57	75.85
40 05 23 23-0800	EA	1-1/4"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	239.38 56.06	84.09
40 05 23 23-0801	EA	1-1/2"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	256.18 61.10	91.64
40 05 23 23-0802	EA	2"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	260.94 67.47	101.20
40 05 23 23-0803	EA	2-1/2"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	343.03 84.31	126.46
40 05 23 23-0804	EA	3"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	393.55 95.98	143.97
40 05 23 23-0805	EA	4"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	444.55 112.47	168.70
40 05 23 23-0806	EA	6"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	624.51 143.19	214.78
40 05 23 23-0807	EA	8"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,028.29 226.65	339.98
40 05 23 23-0808	EA	10"	Type 316, Schedule 10 Stainless Steel Eccentric Reducer..... <i>For Work In Restricted Working Space, Add</i>	1,398.93 283.31	424.97

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0809	EA		12", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,781.64 377.74	566.61
40 05 23 23-0810	EA		14", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	2,652.33 495.79	743.68
40 05 23 23-0811	EA		16", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,100.61 565.00	847.50
40 05 23 23-0812	EA		18", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	3,847.75 708.27	1,062.41
40 05 23 23-0813	EA		20", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	5,548.99 944.36	1,416.55
40 05 23 23-0814	EA		24", Type 316, Schedule 10 Stainless Steel Eccentric Reducer <i>For Work In Restricted Working Space, Add</i>	7,725.81 1,416.55	2,124.81
<b>40 05 23 23-0815</b>			<b>Type 316, Schedule 10 Stainless Steel Butt Weld Caps (40 05 23 23-0885)</b>		
40 05 23 23-0816	EA		1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	93.53 24.03	36.04
40 05 23 23-0817	EA		3/4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	103.03 25.50	38.25
40 05 23 23-0818	EA		1", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	112.98 28.03	42.04
40 05 23 23-0819	EA		1-1/4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	123.48 30.55	45.83
40 05 23 23-0820	EA		1-1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	133.83 33.74	50.60
40 05 23 23-0821	EA		2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	141.90 37.53	56.29
40 05 23 23-0822	EA		2-1/2", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	177.88 48.03	72.06
40 05 23 23-0823	EA		3", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	210.26 56.30	84.45
40 05 23 23-0824	EA		4", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	251.79 67.38	101.08
40 05 23 23-0825	EA		6", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	326.23 84.31	126.46
40 05 23 23-0826	EA		8", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	553.33 141.65	212.48
40 05 23 23-0827	EA		10", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	734.65 188.87	283.32
40 05 23 23-0828	EA		12", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,085.17 283.31	424.96
40 05 23 23-0829	EA		14", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,262.75 330.53	495.80
40 05 23 23-0830	EA		16", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,450.08 377.03	565.54
40 05 23 23-0831	EA		18", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	1,825.75 472.18	708.26
40 05 23 23-0832	EA		20", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	2,533.78 661.05	991.58
40 05 23 23-0833	EA		24", Type 316, Schedule 10 Stainless Steel Cap <i>For Work In Restricted Working Space, Add</i>	3,795.36 944.36	1,416.54
<b>40 05 23 23-0834</b>			<b>Type 316, Schedule 40 Stainless Steel Pipe And Butt Weld Fittings (40 05 23 23-0231)</b>		
<b>40 05 23 23-0835</b>			<b>Type 316, Schedule 40 Stainless Steel Pipe (40 05 23 23-0834)</b>		
40 05 23 23-0836	LF		1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	34.10 3.80	6.33
40 05 23 23-0837	LF		3/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	41.38 4.64	7.73
40 05 23 23-0838	LF		1" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	51.04 5.44	9.14
40 05 23 23-0839	LF		1-1/4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	63.80 6.80	11.25
40 05 23 23-0840	LF		1-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	73.75 7.67	12.65
40 05 23 23-0841	LF		2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	94.95 9.50	16.16
40 05 23 23-0842	LF		2-1/2" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	119.16 10.85	18.26
40 05 23 23-0843	LF		3" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	113.79 12.22	20.37
40 05 23 23-0844	LF		4" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	195.96 14.46	23.89
40 05 23 23-0845	LF		6" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	310.15 18.99	31.62
40 05 23 23-0846	LF		8" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	543.37 36.06	55.82
40 05 23 23-0847	LF		10" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	696.45 39.66	61.70
40 05 23 23-0848	LF		12" Pipe, Stainless Steel Schedule 40 Type 316 For Welded Butt Fitting <i>For Work In Restricted Working Space, Add</i>	875.71 44.07	68.31
<b>40 05 23 23-0849</b>			<b>Type 316, Schedule 40 Stainless Steel Butt Weld 90 Degree Elbows (40 05 23 23-0834)</b>		
40 05 23 23-0850	EA		1/2", Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	168.43 48.05	72.09



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0851	EA	3/4"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	178.28 51.01	76.51
40 05 23 23-0852	EA	1"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	196.32 56.06	84.09
40 05 23 23-0853	EA	1-1/4"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	213.87 61.10	91.64
40 05 23 23-0854	EA	1-1/2"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	235.90 67.47	101.20
40 05 23 23-0855	EA	2"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	265.47 75.06	112.60
40 05 23 23-0856	EA	2-1/2"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	351.68 96.07	144.10
40 05 23 23-0857	EA	3"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	416.23 112.59	168.88
40 05 23 23-0858	EA	4"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	524.35 134.76	202.14
40 05 23 23-0859	EA	6"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	790.84 168.35	252.52
40 05 23 23-0860	EA	8"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,376.15 283.31	424.97
40 05 23 23-0861	EA	10"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,202.21 377.74	566.61
40 05 23 23-0862	EA	12"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,154.75 566.62	849.93
40 05 23 23-0863	EA	14"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,543.03 661.05	991.58
40 05 23 23-0864	EA	16"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,273.14 754.06	1,131.08
40 05 23 23-0865	EA	18"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,445.53 944.36	1,416.55
40 05 23 23-0866	EA	20"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	7,380.50 1,322.11	1,983.16
40 05 23 23-0867	EA	24"	Type 316, Schedule 40 Stainless Steel 90 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	10,694.86 1,888.72	2,833.09
<b>40 05 23 23-0868</b>	<b>Type 316, Schedule 40 Stainless Steel Butt Weld 45 Degree Elbows (40 05 23 23-0834)</b>				
40 05 23 23-0869	EA	1/2"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	171.48 48.05	72.09
40 05 23 23-0870	EA	3/4"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	181.33 51.01	76.51
40 05 23 23-0871	EA	1"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	198.15 56.06	84.09
40 05 23 23-0872	EA	1-1/4"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	214.76 61.10	91.64
40 05 23 23-0873	EA	1-1/2"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	237.73 67.47	101.20
40 05 23 23-0874	EA	2"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	265.47 75.06	112.60
40 05 23 23-0875	EA	2-1/2"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	351.68 96.07	144.10
40 05 23 23-0876	EA	3"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	404.32 112.59	168.88
40 05 23 23-0877	EA	4"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	501.74 134.76	202.14
40 05 23 23-0878	EA	6"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	697.99 168.35	252.52
40 05 23 23-0879	EA	8"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,212.56 283.31	424.97
40 05 23 23-0880	EA	10"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	1,825.20 377.74	566.61
40 05 23 23-0881	EA	12"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	2,650.04 566.62	849.93
40 05 23 23-0882	EA	14"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,020.67 661.05	991.58
40 05 23 23-0883	EA	16"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	3,416.16 754.06	1,131.08
40 05 23 23-0884	EA	18"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	4,378.65 944.36	1,416.55
40 05 23 23-0885	EA	20"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	5,973.17 1,322.11	1,983.16
40 05 23 23-0886	EA	24"	Type 316, Schedule 40 Stainless Steel 45 Degree Elbow <i>For Work In Restricted Working Space, Add</i>	8,815.42 1,888.72	2,833.09
<b>40 05 23 23-0887</b>	<b>Type 316, Schedule 40 Stainless Steel Butt Weld Tees (40 05 23 23-0834)</b>				
40 05 23 23-0888	EA	1/2"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	226.19 61.08	91.61
40 05 23 23-0889	EA	3/4"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	272.52 74.98	112.46
40 05 23 23-0890	EA	1"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	303.41 84.24	126.37
40 05 23 23-0891	EA	1-1/4"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	348.87 96.07	144.10
40 05 23 23-0892	EA	1-1/2"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	366.33 103.12	154.67
40 05 23 23-0893	EA	2"	Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	399.34 112.47	168.70



MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0894	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	494.30 134.76	202.14
40 05 23 23-0895	EA		3", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	611.83 168.89	253.34
40 05 23 23-0896	EA		4", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	705.11 189.54	284.32
40 05 23 23-0897	EA		6", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,085.23 252.72	379.08
40 05 23 23-0898	EA		8", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	1,857.52 377.74	566.61
40 05 23 23-0899	EA		10", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,085.80 566.62	849.93
40 05 23 23-0900	EA		12", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	3,801.42 708.27	1,062.41
40 05 23 23-0901	EA		14", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	5,349.85 851.14	1,276.72
40 05 23 23-0902	EA		16", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	6,619.31 1,038.30	1,557.46
40 05 23 23-0903	EA		18", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	8,560.26 1,322.11	1,983.16
40 05 23 23-0904	EA		20", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	11,134.29 1,739.62	2,609.43
40 05 23 23-0905	EA		24", Type 316, Schedule 40 Stainless Steel Tee <i>For Work In Restricted Working Space, Add</i>	16,040.07 2,644.22	3,966.32
<b>40 05 23 23-0906</b>			<b>Type 316, Schedule 40 Stainless Steel Butt Weld Reducing Tees (40 05 23 23-0834)</b>		
40 05 23 23-0907	EA		3/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	215.30 51.03	76.54
40 05 23 23-0908	EA		1", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	253.63 62.53	93.79
40 05 23 23-0909	EA		1-1/4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	327.05 70.26	105.38
40 05 23 23-0910	EA		1-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	323.48 80.09	120.14
40 05 23 23-0911	EA		2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	333.93 86.07	129.09
40 05 23 23-0912	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	446.12 93.80	140.68
40 05 23 23-0913	EA		3", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	455.38 112.43	168.63
40 05 23 23-0914	EA		4", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	603.69 140.51	210.77
40 05 23 23-0915	EA		6", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	825.34 160.55	240.83
40 05 23 23-0916	EA		8", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	1,385.34 236.09	354.13
40 05 23 23-0917	EA		10", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	2,814.41 314.79	472.18
40 05 23 23-0918	EA		12", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	3,744.79 472.18	708.26
40 05 23 23-0919	EA		14", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	4,272.82 567.27	850.91
40 05 23 23-0920	EA		16", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	5,289.64 691.96	1,037.94
40 05 23 23-0921	EA		18", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	6,828.13 881.41	1,322.11
40 05 23 23-0922	EA		20", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	9,691.35 1,159.75	1,739.62
40 05 23 23-0923	EA		24", Type 316, Schedule 40 Stainless Steel Reducing Tee <i>For Work In Restricted Working Space, Add</i>	15,149.05 1,761.25	2,641.87
<b>40 05 23 23-0924</b>			<b>Type 316, Schedule 40 Stainless Steel Butt Weld Reducers (40 05 23 23-0834)</b>		
40 05 23 23-0925	EA		3/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	172.69 46.40	69.61
40 05 23 23-0926	EA		1", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	189.63 50.57	75.85
40 05 23 23-0927	EA		1-1/4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	208.17 56.06	84.09
40 05 23 23-0928	EA		1-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	222.59 61.10	91.64
40 05 23 23-0929	EA		2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	240.17 67.47	101.20
40 05 23 23-0930	EA		2-1/2", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	320.43 84.31	126.46
40 05 23 23-0931	EA		3", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	347.43 95.98	143.97
40 05 23 23-0932	EA		4", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	402.40 112.47	168.70
40 05 23 23-0933	EA		6", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	546.93 143.19	214.78
40 05 23 23-0934	EA		8", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	919.44 226.65	339.98
40 05 23 23-0935	EA		10", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,221.80 283.31	424.97
40 05 23 23-0936	EA		12", Type 316, Schedule 40 Stainless Steel Concentric Reducer <i>For Work In Restricted Working Space, Add</i>	1,559.32 377.74	566.61

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-0937	EA 14", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	2,231.46	743.68
	<i>For Work In Restricted Working Space, Add</i>	495.79	
40 05 23 23-0938	EA 16", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	2,568.17	847.50
	<i>For Work In Restricted Working Space, Add</i>	565.00	
40 05 23 23-0939	EA 18", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	3,406.18	1,062.41
	<i>For Work In Restricted Working Space, Add</i>	708.27	
40 05 23 23-0940	EA 20", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	4,611.00	1,416.55
	<i>For Work In Restricted Working Space, Add</i>	944.36	
40 05 23 23-0941	EA 24", Type 316, Schedule 40 Stainless Steel Concentric Reducer.....	6,647.05	2,124.81
	<i>For Work In Restricted Working Space, Add</i>	1,416.55	
40 05 23 23-0942	EA 3/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	207.20	69.61
	<i>For Work In Restricted Working Space, Add</i>	46.40	
40 05 23 23-0943	EA 1", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	221.09	75.85
	<i>For Work In Restricted Working Space, Add</i>	50.57	
40 05 23 23-0944	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	255.27	84.09
	<i>For Work In Restricted Working Space, Add</i>	56.06	
40 05 23 23-0945	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	265.65	91.64
	<i>For Work In Restricted Working Space, Add</i>	61.10	
40 05 23 23-0946	EA 2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	285.99	101.20
	<i>For Work In Restricted Working Space, Add</i>	67.47	
40 05 23 23-0947	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	343.03	126.46
	<i>For Work In Restricted Working Space, Add</i>	84.31	
40 05 23 23-0948	EA 3", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	435.70	143.97
	<i>For Work In Restricted Working Space, Add</i>	95.98	
40 05 23 23-0949	EA 4", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	478.15	168.70
	<i>For Work In Restricted Working Space, Add</i>	112.47	
40 05 23 23-0950	EA 6", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	671.24	214.78
	<i>For Work In Restricted Working Space, Add</i>	143.19	
40 05 23 23-0951	EA 8", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,012.46	339.98
	<i>For Work In Restricted Working Space, Add</i>	226.65	
40 05 23 23-0952	EA 10", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,426.30	424.97
	<i>For Work In Restricted Working Space, Add</i>	283.31	
40 05 23 23-0953	EA 12", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	1,968.35	566.61
	<i>For Work In Restricted Working Space, Add</i>	377.74	
40 05 23 23-0954	EA 14", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	2,918.68	743.68
	<i>For Work In Restricted Working Space, Add</i>	495.79	
40 05 23 23-0955	EA 16", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	3,359.30	847.50
	<i>For Work In Restricted Working Space, Add</i>	565.00	
40 05 23 23-0956	EA 18", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	4,487.66	1,062.41
	<i>For Work In Restricted Working Space, Add</i>	708.27	
40 05 23 23-0957	EA 20", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	5,787.64	1,416.55
	<i>For Work In Restricted Working Space, Add</i>	944.36	
40 05 23 23-0958	EA 24", Type 316, Schedule 40 Stainless Steel Eccentric Reducer.....	8,677.06	2,124.81
	<i>For Work In Restricted Working Space, Add</i>	1,416.55	

**40 05 23 23-0959 Type 316, Schedule 40 Stainless Steel Butt Weld Caps (40 05 23 23-0834)**

40 05 23 23-0960	EA 1/2", Type 316, Schedule 40 Stainless Steel Cap.....	94.14	36.04
	<i>For Work In Restricted Working Space, Add</i>	24.03	
40 05 23 23-0961	EA 3/4", Type 316, Schedule 40 Stainless Steel Cap.....	102.73	38.25
	<i>For Work In Restricted Working Space, Add</i>	25.50	
40 05 23 23-0962	EA 1", Type 316, Schedule 40 Stainless Steel Cap.....	113.59	42.04
	<i>For Work In Restricted Working Space, Add</i>	28.03	
40 05 23 23-0963	EA 1-1/4", Type 316, Schedule 40 Stainless Steel Cap.....	129.14	45.83
	<i>For Work In Restricted Working Space, Add</i>	30.55	
40 05 23 23-0964	EA 1-1/2", Type 316, Schedule 40 Stainless Steel Cap.....	129.25	50.60
	<i>For Work In Restricted Working Space, Add</i>	33.74	
40 05 23 23-0965	EA 2", Type 316, Schedule 40 Stainless Steel Cap.....	146.17	56.29
	<i>For Work In Restricted Working Space, Add</i>	37.53	
40 05 23 23-0966	EA 2-1/2", Type 316, Schedule 40 Stainless Steel Cap.....	183.43	72.06
	<i>For Work In Restricted Working Space, Add</i>	48.03	
40 05 23 23-0967	EA 3", Type 316, Schedule 40 Stainless Steel Cap.....	211.18	84.45
	<i>For Work In Restricted Working Space, Add</i>	56.30	
40 05 23 23-0968	EA 4", Type 316, Schedule 40 Stainless Steel Cap.....	258.51	101.08
	<i>For Work In Restricted Working Space, Add</i>	67.38	
40 05 23 23-0969	EA 6", Type 316, Schedule 40 Stainless Steel Cap.....	354.33	126.46
	<i>For Work In Restricted Working Space, Add</i>	84.31	
40 05 23 23-0970	EA 8", Type 316, Schedule 40 Stainless Steel Cap.....	606.11	212.48
	<i>For Work In Restricted Working Space, Add</i>	141.65	
40 05 23 23-0971	EA 10", Type 316, Schedule 40 Stainless Steel Cap.....	812.32	283.32
	<i>For Work In Restricted Working Space, Add</i>	188.87	
40 05 23 23-0972	EA 12", Type 316, Schedule 40 Stainless Steel Cap.....	1,212.21	424.96
	<i>For Work In Restricted Working Space, Add</i>	283.31	
40 05 23 23-0973	EA 14", Type 316, Schedule 40 Stainless Steel Cap.....	1,385.87	495.80
	<i>For Work In Restricted Working Space, Add</i>	330.53	
40 05 23 23-0974	EA 16", Type 316, Schedule 40 Stainless Steel Cap.....	1,560.35	565.54
	<i>For Work In Restricted Working Space, Add</i>	377.03	
40 05 23 23-0975	EA 18", Type 316, Schedule 40 Stainless Steel Cap.....	1,987.22	708.26
	<i>For Work In Restricted Working Space, Add</i>	472.18	
40 05 23 23-0976	EA 20", Type 316, Schedule 40 Stainless Steel Cap.....	2,737.05	991.58
	<i>For Work In Restricted Working Space, Add</i>	661.05	
40 05 23 23-0977	EA 24", Type 316, Schedule 40 Stainless Steel Cap.....	4,191.22	1,416.54
	<i>For Work In Restricted Working Space, Add</i>	944.36	

**40 05 23 23-0978 Valves (40 05 23 23-0231)****40 05 23 23-0979 Gate Valves, Class 150 (40 05 23 23-0978)**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-0980	EA		1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	723.55 27.20 -169.29 594.90	72.54
40 05 23 23-0981	EA		3/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	787.02 31.74 -182.23 640.36	75.57
40 05 23 23-0982	EA		1" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	971.44 42.77 -221.72 779.13	113.35
40 05 23 23-0983	EA		1-1/4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,222.96 49.28 -283.20 995.16	132.24
40 05 23 23-0984	EA		1-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,381.65 62.42 -313.93 1,103.16	166.47
40 05 23 23-0985	EA		2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,640.72 75.57 -371.51 1,305.50	201.46
40 05 23 23-0986	EA		2-1/2" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,346.81 82.44 1,947.70	219.14
40 05 23 23-0987	EA		3" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,644.66 96.47 2,183.71	256.93
40 05 23 23-0988	EA		4" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,511.56 161.93 2,793.49	430.73
40 05 23 23-0989	EA		6" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	5,848.24 204.76 4,855.76	544.08
40 05 23 23-0990	EA		8" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	12,684.78 259.09 11,111.89	695.22
40 05 23 23-0991	EA		10" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	17,858.19 317.38 15,792.24	846.35
40 05 23 23-0992	EA		12" Gate Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	26,850.28 384.70 24,033.86	1,027.70
<b>40 05 23 23-0993</b>			<b>Globe Valves, Class 150</b> <small>(40 05 23 23-0978)</small>		
40 05 23 23-0994	EA		1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	984.70 27.20 -239.15 840.38	72.54
40 05 23 23-0995	EA		3/4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,090.50 31.74 -263.41 925.63	75.57
40 05 23 23-0996	EA		1" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	1,360.51 42.77 -325.80 1,144.85	113.35
40 05 23 23-0997	EA		1-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	2,022.02 62.42 -485.23 1,705.10	166.47
40 05 23 23-0998	EA		2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 200, Deduct</i> <i>For Class 300, Add</i>	2,467.50 75.57 -592.68 2,082.67	201.46
40 05 23 23-0999	EA		2-1/2" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	4,939.24 82.44 4,384.58	219.14
40 05 23 23-1000	EA		3" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	5,115.58 96.47 4,506.38	256.93
40 05 23 23-1001	EA		4" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	6,111.17 161.93 5,237.13	430.73
40 05 23 23-1002	EA		6" Globe Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	11,242.31 204.76 9,926.18	544.08
<b>40 05 23 23-1003</b>			<b>Check Valves, Class 150</b> <small>(40 05 23 23-0978)</small>		
40 05 23 23-1004	EA		2-1/2" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,247.38 82.44 1,854.23	219.14
40 05 23 23-1005	EA		3" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	2,355.66 96.47 1,912.05	256.93

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1006	EA		4" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	3,705.42 161.93 2,975.72	430.73
40 05 23 23-1007	EA		6" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	6,340.32 204.76 5,318.31	544.08
40 05 23 23-1008	EA		8" Check Valve, Stainless Steel, Flanged <i>For Work In Restricted Working Space, Add</i> <i>For Class 300, Add</i>	11,101.49 259.09 9,623.60	695.22
<b>40 05 23 23-1009</b>			<b>Stainless Steel Thread-O-Let Fittings</b> (40 05 23 23-0231)		
40 05 23 23-1010	EA		1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	113.04 29.25	43.88
40 05 23 23-1011	EA		3/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	149.41 39.00	58.51
40 05 23 23-1012	EA		1", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	184.32 48.36	72.54
40 05 23 23-1013	EA		1-1/4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	263.98 68.44	102.65
40 05 23 23-1014	EA		1-1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	293.10 77.17	115.76
40 05 23 23-1015	EA		2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	367.62 98.03	147.05
40 05 23 23-1016	EA		2-1/2", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	640.74 151.13	226.70
40 05 23 23-1017	EA		3", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	851.93 192.94	289.41
40 05 23 23-1018	EA		4", Stainless Steel Thread-o-let Fitting <i>For Work In Restricted Working Space, Add</i>	1,114.92 241.82	362.72
<b>40 05 23 23-1019</b>			<b>Stainless Steel Flanges</b> (40 05 23 23-0231)		
<b>40 05 23 23-1020</b>			<b>150#, Type 304 Stainless Steel Raised Face Threaded Flange</b> (40 05 23 23-1019)		
40 05 23 23-1021	EA		1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	88.94 14.63	24.37
40 05 23 23-1022	EA		3/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	109.64 19.50	32.51
40 05 23 23-1023	EA		1", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	130.61 24.18	40.31
40 05 23 23-1024	EA		1-1/4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	177.46 34.22	57.03
40 05 23 23-1025	EA		1-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	192.03 38.59	64.31
40 05 23 23-1026	EA		2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	246.45 49.02	81.69
40 05 23 23-1027	EA		2-1/2", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	367.96 75.57	125.90
40 05 23 23-1028	EA		3", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	443.00 96.47	256.93
40 05 23 23-1029	EA		4", 150#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	569.10 120.91	201.46
<b>40 05 23 23-1030</b>			<b>300#, Type 304 Stainless Steel Raised Face Threaded Flange</b> (40 05 23 23-1019)		
40 05 23 23-1031	EA		1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	112.16 14.63	24.37
40 05 23 23-1032	EA		3/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	128.40 19.50	32.51
40 05 23 23-1033	EA		1", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	144.00 24.18	40.31
40 05 23 23-1034	EA		1-1/4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	211.42 34.22	57.03
40 05 23 23-1035	EA		1-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	225.99 38.59	64.31
40 05 23 23-1036	EA		2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	281.27 49.02	81.69
40 05 23 23-1037	EA		2-1/2", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	445.66 75.57	125.90
40 05 23 23-1038	EA		3", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	522.46 96.47	256.93
40 05 23 23-1039	EA		4", 300#, Type 304 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	691.44 120.91	201.46
<b>40 05 23 23-1040</b>			<b>150#, Type 304 Stainless Steel Raised Face Weld Neck Flange</b> (40 05 23 23-1019)		
40 05 23 23-1041	EA		1/2", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	120.27 24.03	36.03
40 05 23 23-1042	EA		3/4", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	129.65 25.50	38.25
40 05 23 23-1043	EA		1", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	145.22 28.04	42.04
40 05 23 23-1044	EA		1-1/4", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	176.05 30.57	45.85
40 05 23 23-1045	EA		1-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	186.47 33.70	50.54

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1046	EA		2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	207.29 37.54	56.31
40 05 23 23-1047	EA		2-1/2", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	284.15 48.00	72.00
40 05 23 23-1048	EA		3", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	323.06 56.20	84.30
40 05 23 23-1049	EA		4", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	413.77 67.34	101.00
40 05 23 23-1050	EA		6", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	607.25 84.14	126.19
40 05 23 23-1051	EA		8", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,025.76 141.65	212.48
40 05 23 23-1052	EA		10", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,446.56 188.87	283.30
40 05 23 23-1053	EA		12", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,219.37 283.31	424.96
40 05 23 23-1054	EA		14", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,758.63 330.53	495.80
40 05 23 23-1055	EA		16", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,418.87 377.03	565.54
40 05 23 23-1056	EA		18", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,200.44 472.18	708.26
40 05 23 23-1057	EA		20", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,475.73 661.05	991.58
40 05 23 23-1058	EA		24", 150#, Type 304 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	7,784.91 944.36	1,416.54
<b>40 05 23 23-1059</b>			<b>300#, Type 304 Stainless Steel Raised Face Weld Neck Flange (40 05 23 23-1019)</b>		
40 05 23 23-1060	EA		1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	147.96 24.03	36.03
40 05 23 23-1061	EA		3/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	152.88 25.50	38.25
40 05 23 23-1062	EA		1" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	161.32 28.04	42.04
40 05 23 23-1063	EA		1-1/4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	207.25 30.57	45.85
40 05 23 23-1064	EA		1-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	217.67 33.70	50.54
40 05 23 23-1065	EA		2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	234.08 37.54	56.31
40 05 23 23-1066	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	330.55 48.00	72.00
40 05 23 23-1067	EA		3" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	374.83 56.20	84.30
40 05 23 23-1068	EA		4" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	535.16 67.34	101.00
40 05 23 23-1069	EA		6" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	744.74 84.14	126.19
40 05 23 23-1070	EA		8" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,368.61 141.65	212.48
40 05 23 23-1071	EA		10" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,899.26 188.87	283.30
40 05 23 23-1072	EA		12" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,794.42 283.31	424.96
40 05 23 23-1073	EA		14" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,667.66 330.53	495.80
40 05 23 23-1074	EA		16" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,505.96 377.03	565.54
40 05 23 23-1075	EA		18" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,748.42 472.18	708.26
40 05 23 23-1076	EA		20" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	7,456.31 661.05	991.58
40 05 23 23-1077	EA		24" 300#, Type 304 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	10,843.80 944.36	1,416.54
<b>40 05 23 23-1078</b>			<b>150#, Type 304 Stainless Steel Raised Face Slip-On Flanges (40 05 23 23-1019)</b>		
40 05 23 23-1079	EA		1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	195.89 48.05	72.07
40 05 23 23-1080	EA		3/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	206.65 51.01	76.50
40 05 23 23-1081	EA		1", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	227.05 56.06	84.09
40 05 23 23-1082	EA		1-1/4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	258.29 61.15	91.72
40 05 23 23-1083	EA		1-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	279.12 67.40	101.09
40 05 23 23-1084	EA		2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	320.83 75.08	112.61
40 05 23 23-1085	EA		2-1/2", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	419.14 96.01	144.00
40 05 23 23-1086	EA		3", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	480.96 112.40	168.59
40 05 23 23-1087	EA		4", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	593.59 134.68	202.02
40 05 23 23-1088	EA		6", 150#, Type 304 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	781.45 168.27	252.39



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1089	EA		8", 150#, Type 304 Stainless Steel Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,361.36 283.31	424.96
40 05 23 23-1090	EA		10" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,906.47 377.74	566.61
40 05 23 23-1091	EA		12" 150#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,844.99 566.62	849.91
<b>40 05 23 23-1092</b>			<b>300#, Type 304 Stainless Steel Raised Face Slip-On Flanges</b> (40 05 23 23-1019)		
40 05 23 23-1093	EA		1/2" 300#, Type 304 Stainless Steel Raised Neck Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	213.75 48.05	72.07
40 05 23 23-1094	EA		3/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	223.60 51.01	76.50
40 05 23 23-1095	EA		1" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	240.44 56.06	84.09
40 05 23 23-1096	EA		1-1/4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	285.98 61.15	91.72
40 05 23 23-1097	EA		1-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	306.81 67.40	101.09
40 05 23 23-1098	EA		2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	339.55 75.08	112.61
40 05 23 23-1099	EA		2-1/2" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	488.81 96.01	144.00
40 05 23 23-1100	EA		3" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	550.58 112.40	168.59
40 05 23 23-1101	EA		4" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	690.01 134.68	202.02
40 05 23 23-1102	EA		6" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,053.77 168.27	252.39
40 05 23 23-1103	EA		8" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,636.35 283.31	424.96
40 05 23 23-1104	EA		10" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,349.34 377.74	566.61
40 05 23 23-1105	EA		12" 300#, Type 304 Stainless Steel Raised Face Slip-On Flange ..... <i>For Work In Restricted Working Space, Add</i>	3,414.67 566.62	849.91
<b>40 05 23 23-1106</b>			<b>150#, Type 304 Stainless Steel Blind Flanges</b> (40 05 23 23-1019)		
40 05 23 23-1107	EA		1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	70.14 9.61	14.40
40 05 23 23-1108	EA		3/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	73.28 10.20	15.29
40 05 23 23-1109	EA		1", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	79.35 11.21	16.81
40 05 23 23-1110	EA		1-1/4", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	101.43 12.48	18.71
40 05 23 23-1111	EA		1-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	116.05 16.86	25.29
40 05 23 23-1112	EA		2", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	136.53 18.72	28.07
40 05 23 23-1113	EA		2-1/2", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	185.58 24.07	36.10
40 05 23 23-1114	EA		3", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	228.48 33.72	50.58
40 05 23 23-1115	EA		4", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	349.83 56.19	84.28
40 05 23 23-1116	EA		6", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	478.35 72.25	108.38
40 05 23 23-1117	EA		8", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	728.65 88.14	132.21
40 05 23 23-1118	EA		10", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,107.95 105.77	158.65
40 05 23 23-1119	EA		12", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,463.04 132.21	198.31
40 05 23 23-1120	EA		14", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	1,858.69 165.26	247.90
40 05 23 23-1121	EA		16", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,387.81 188.51	282.77
40 05 23 23-1122	EA		18", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	2,828.66 236.09	354.13
40 05 23 23-1123	EA		20", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	3,764.42 330.53	495.80
40 05 23 23-1124	EA		24", 150#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	5,478.55 472.18	708.26
<b>40 05 23 23-1125</b>			<b>300#, Type 304 Stainless Steel Blind Flanges</b> (40 05 23 23-1019)		
40 05 23 23-1126	EA		1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	88.32 9.61	14.40
40 05 23 23-1127	EA		3/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	90.28 10.20	15.29
40 05 23 23-1128	EA		1", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	93.65 11.21	16.81
40 05 23 23-1129	EA		1-1/4", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	118.39 12.48	18.71
40 05 23 23-1130	EA		1-1/2", 300#, Type 304 Stainless Steel Raised Face Blind Flange ..... <i>For Work In Restricted Working Space, Add</i>	133.01 16.86	25.29

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1131	EA	2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	145.45 18.72	28.07
40 05 23 23-1132	EA	2-1/2"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	248.08 24.07	36.10
40 05 23 23-1133	EA	3"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	286.97 33.72	50.58
40 05 23 23-1134	EA	4"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	423.02 56.19	84.28
40 05 23 23-1135	EA	6"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	780.13 72.25	108.38
40 05 23 23-1136	EA	8"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,089.36 88.14	132.21
40 05 23 23-1137	EA	10"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,547.21 105.77	158.65
40 05 23 23-1138	EA	12"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,137.16 132.21	198.31
40 05 23 23-1139	EA	14"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,983.04 165.26	247.90
40 05 23 23-1140	EA	16"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,807.35 188.51	282.77
40 05 23 23-1141	EA	18"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,965.04 236.09	354.13
40 05 23 23-1142	EA	20"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	6,299.12 330.53	495.80
40 05 23 23-1143	EA	24"	300#, Type 304 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	9,647.51 472.18	708.26
<b>40 05 23 23-1144</b>			<b>150#, Type 316 Stainless Steel Raised Face Threaded Flange</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1145	EA	1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	105.04 14.63	24.37
40 05 23 23-1146	EA	3/4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	130.21 19.50	32.51
40 05 23 23-1147	EA	1"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	150.23 24.18	40.31
40 05 23 23-1148	EA	1-1/4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	206.91 34.22	57.03
40 05 23 23-1149	EA	1-1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	221.48 38.59	64.31
40 05 23 23-1150	EA	2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	278.61 49.02	81.69
40 05 23 23-1151	EA	2-1/2"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	414.41 75.57	125.90
40 05 23 23-1152	EA	3"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	502.84 96.47	256.93
40 05 23 23-1153	EA	4"	150#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	653.02 120.91	201.46
<b>40 05 23 23-1154</b>			<b>300#, Type 316 Stainless Steel Raised Face Threaded Flange</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1155	EA	1/2"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	135.39 14.63	24.37
40 05 23 23-1156	EA	3/4"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	151.63 19.50	32.51
40 05 23 23-1157	EA	1"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	167.23 24.18	40.31
40 05 23 23-1158	EA	1-1/4"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	256.06 34.22	57.03
40 05 23 23-1159	EA	1-1/2"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	270.63 38.59	64.31
40 05 23 23-1160	EA	2"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	320.54 49.02	81.69
40 05 23 23-1161	EA	2-1/2"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	534.05 75.57	125.90
40 05 23 23-1162	EA	3"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	612.64 96.47	256.93
40 05 23 23-1163	EA	4"	300#, Type 316 Stainless Steel Raised Face Threaded Flange <i>For Work In Restricted Working Space, Add</i>	835.16 120.91	201.46
<b>40 05 23 23-1164</b>			<b>150#, Type 316 Stainless Steel Raised Face Weld Neck Flange</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1165	EA	1/2"	150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	140.79 24.03	36.03
40 05 23 23-1166	EA	3/4"	150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	150.22 25.50	38.25
40 05 23 23-1167	EA	1"	150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	168.44 28.04	42.04
40 05 23 23-1168	EA	1-1/4"	150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	206.39 30.57	45.85
40 05 23 23-1169	EA	1-1/2"	150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	216.81 33.70	50.54
40 05 23 23-1170	EA	2"	150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	238.54 37.54	56.31
40 05 23 23-1171	EA	2-1/2"	150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	336.77 48.00	72.00
40 05 23 23-1172	EA	3"	150#, Type 316 Stainless Steel Weld Neck Flange <i>For Work In Restricted Working Space, Add</i>	370.37 56.20	84.30

**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 05 23 23-1173	EA		4", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	494.13 67.34	101.00
40 05 23 23-1174	EA		6", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	746.55 84.14	126.19
40 05 23 23-1175	EA		8", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,240.95 141.65	212.48
40 05 23 23-1176	EA		10", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,805.51 188.87	283.30
40 05 23 23-1177	EA		12", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,693.54 283.31	424.96
40 05 23 23-1178	EA		14", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,151.34 330.53	495.80
40 05 23 23-1179	EA		16", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,931.33 377.03	565.54
40 05 23 23-1180	EA		18", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,822.96 472.18	708.26
40 05 23 23-1181	EA		20", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	6,251.30 661.05	991.58
40 05 23 23-1182	EA		24", 150#, Type 316 Stainless Steel Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	8,883.97 944.36	1,416.54
<b>40 05 23 23-1183</b>			<b>300#, Type 316 Stainless Steel Raised Face Weld Neck Flange</b> (40 05 23 23-1019)		
40 05 23 23-1184	EA		1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	174.74 24.03	36.03
40 05 23 23-1185	EA		3/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	179.66 25.50	38.25
40 05 23 23-1186	EA		1" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	188.10 28.04	42.04
40 05 23 23-1187	EA		1-1/4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	243.91 30.57	45.85
40 05 23 23-1188	EA		1-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	254.33 33.70	50.54
40 05 23 23-1189	EA		2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	278.72 37.54	56.31
40 05 23 23-1190	EA		2-1/2" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	407.34 48.00	72.00
40 05 23 23-1191	EA		3" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	447.16 56.20	84.30
40 05 23 23-1192	EA		4" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	669.09 67.34	101.00
40 05 23 23-1193	EA		6" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,076.01 84.14	126.19
40 05 23 23-1194	EA		8" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	1,707.05 141.65	212.48
40 05 23 23-1195	EA		10" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	2,447.47 188.87	283.30
40 05 23 23-1196	EA		12" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	3,599.76 283.31	424.96
40 05 23 23-1197	EA		14" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	4,839.00 330.53	495.80
40 05 23 23-1198	EA		16" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	5,989.23 377.03	565.54
40 05 23 23-1199	EA		18" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	7,654.09 472.18	708.26
40 05 23 23-1200	EA		20" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	9,854.24 661.05	991.58
40 05 23 23-1201	EA		24" 300#, Type 316 Stainless Steel Raised Face Weld Neck Flange..... <i>For Work In Restricted Working Space, Add</i>	14,357.02 944.36	1,416.54
<b>40 05 23 23-1202</b>			<b>150#, Type 316 Stainless Steel Raised Face Slip-On Flanges</b> (40 05 23 23-1019)		
40 05 23 23-1203	EA		1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	206.63 48.05	72.07
40 05 23 23-1204	EA		3/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	222.75 51.01	76.50
40 05 23 23-1205	EA		1", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	245.49 56.06	84.09
40 05 23 23-1206	EA		1-1/4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	325.58 61.15	91.72
40 05 23 23-1207	EA		1-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	300.54 67.40	101.09
40 05 23 23-1208	EA		2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	326.15 75.08	112.61
40 05 23 23-1209	EA		2-1/2", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	415.58 96.01	144.00
40 05 23 23-1210	EA		3", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	511.31 112.40	168.59
40 05 23 23-1211	EA		4", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	657.85 134.68	202.02
40 05 23 23-1212	EA		6", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	876.96 168.27	252.39
40 05 23 23-1213	EA		8", 150#, Type 316 Stainless Steel Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	1,558.65 283.31	424.96
40 05 23 23-1214	EA		10" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	2,176.14 377.74	566.61
40 05 23 23-1215	EA		12" 150#, Type 316 Stainless Steel Raised Face Slip-On Flange..... <i>For Work In Restricted Working Space, Add</i>	3,205.70 566.62	849.91

MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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<b>40 05 23 23-1216</b>	<b>300#, Type 316 Stainless Steel Raised Face Slip-On Flanges</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1217	EA 1/2" 300#, Type 316 Stainless Steel Raised Neck Slip-On Flange.....	231.61	72.07
	<i>For Work In Restricted Working Space, Add</i>	48.05	
40 05 23 23-1218	EA 3/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	241.46	76.50
	<i>For Work In Restricted Working Space, Add</i>	51.01	
40 05 23 23-1219	EA 1" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	258.30	84.09
	<i>For Work In Restricted Working Space, Add</i>	56.06	
40 05 23 23-1220	EA 1-1/4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	320.80	91.72
	<i>For Work In Restricted Working Space, Add</i>	61.15	
40 05 23 23-1221	EA 1-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	341.63	101.09
	<i>For Work In Restricted Working Space, Add</i>	67.40	
40 05 23 23-1222	EA 2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	372.47	112.61
	<i>For Work In Restricted Working Space, Add</i>	75.08	
40 05 23 23-1223	EA 2-1/2" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	566.46	144.00
	<i>For Work In Restricted Working Space, Add</i>	96.01	
40 05 23 23-1224	EA 3" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	630.04	168.59
	<i>For Work In Restricted Working Space, Add</i>	112.40	
40 05 23 23-1225	EA 4" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	813.20	202.02
	<i>For Work In Restricted Working Space, Add</i>	134.68	
40 05 23 23-1226	EA 6" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	1,233.25	252.39
	<i>For Work In Restricted Working Space, Add</i>	168.27	
40 05 23 23-1227	EA 8" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	1,821.19	424.96
	<i>For Work In Restricted Working Space, Add</i>	283.31	
40 05 23 23-1228	EA 10" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	2,951.13	566.61
	<i>For Work In Restricted Working Space, Add</i>	377.74	
40 05 23 23-1229	EA 12" 300#, Type 316 Stainless Steel Raised Face Slip-On Flange.....	3,945.03	849.91
	<i>For Work In Restricted Working Space, Add</i>	566.62	

<b>40 05 23 23-1230</b>	<b>150#, Type 316 Stainless Steel Blind Flanges</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1231	EA 1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	78.49	14.40
	<i>For Work In Restricted Working Space, Add</i>	9.61	
40 05 23 23-1232	EA 3/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	88.47	15.29
	<i>For Work In Restricted Working Space, Add</i>	10.20	
40 05 23 23-1233	EA 1", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	99.87	16.81
	<i>For Work In Restricted Working Space, Add</i>	11.21	
40 05 23 23-1234	EA 1-1/4", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	117.48	18.71
	<i>For Work In Restricted Working Space, Add</i>	12.48	
40 05 23 23-1235	EA 1-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	132.10	25.29
	<i>For Work In Restricted Working Space, Add</i>	16.86	
40 05 23 23-1236	EA 2", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	163.31	28.07
	<i>For Work In Restricted Working Space, Add</i>	18.72	
40 05 23 23-1237	EA 2-1/2", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	227.56	36.10
	<i>For Work In Restricted Working Space, Add</i>	24.07	
40 05 23 23-1238	EA 3", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	274.93	50.58
	<i>For Work In Restricted Working Space, Add</i>	33.72	
40 05 23 23-1239	EA 4", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	428.39	84.28
	<i>For Work In Restricted Working Space, Add</i>	56.19	
40 05 23 23-1240	EA 6", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	604.26	108.38
	<i>For Work In Restricted Working Space, Add</i>	72.25	
40 05 23 23-1241	EA 8", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	1,029.52	132.21
	<i>For Work In Restricted Working Space, Add</i>	88.14	
40 05 23 23-1242	EA 10", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	1,345.46	158.65
	<i>For Work In Restricted Working Space, Add</i>	105.77	
40 05 23 23-1243	EA 12", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	2,147.89	198.31
	<i>For Work In Restricted Working Space, Add</i>	132.21	
40 05 23 23-1244	EA 14", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	2,559.86	247.90
	<i>For Work In Restricted Working Space, Add</i>	165.26	
40 05 23 23-1245	EA 16", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	3,331.10	282.77
	<i>For Work In Restricted Working Space, Add</i>	188.51	
40 05 23 23-1246	EA 18", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	3,923.28	354.13
	<i>For Work In Restricted Working Space, Add</i>	236.09	
40 05 23 23-1247	EA 20", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	5,191.98	495.80
	<i>For Work In Restricted Working Space, Add</i>	330.53	
40 05 23 23-1248	EA 24", 150#, Type 316 Stainless Steel Raised Face Blind Flange.....	7,571.96	708.26
	<i>For Work In Restricted Working Space, Add</i>	472.18	

<b>40 05 23 23-1249</b>	<b>300#, Type 316 Stainless Steel Blind Flanges</b> <small>(40 05 23 23-1019)</small>		
40 05 23 23-1250	EA 1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	118.67	14.40
	<i>For Work In Restricted Working Space, Add</i>	9.61	
40 05 23 23-1251	EA 3/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	120.63	15.29
	<i>For Work In Restricted Working Space, Add</i>	10.20	
40 05 23 23-1252	EA 1", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	124.00	16.81
	<i>For Work In Restricted Working Space, Add</i>	11.21	
40 05 23 23-1253	EA 1-1/4", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	183.59	18.71
	<i>For Work In Restricted Working Space, Add</i>	12.48	
40 05 23 23-1254	EA 1-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	198.21	25.29
	<i>For Work In Restricted Working Space, Add</i>	16.86	
40 05 23 23-1255	EA 2", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	219.54	28.07
	<i>For Work In Restricted Working Space, Add</i>	18.72	
40 05 23 23-1256	EA 2-1/2", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	362.40	36.10
	<i>For Work In Restricted Working Space, Add</i>	24.07	
40 05 23 23-1257	EA 3", 300#, Type 316 Stainless Steel Raised Face Blind Flange.....	403.49	50.58
	<i>For Work In Restricted Working Space, Add</i>	33.72	



**40 Process Interconnections****40 05 Common Work Results For Process Interconnections****40 05 23 Stainless Steel Process Pipe and Tubing**
 MINOR  
 CSI UOM DESCRIPTION

 TOTAL DIRECT DEMOLITION  
 UNIT COST UNIT COST

40 05 23 23-1258	EA	4", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	619.45	84.28
			56.19	
40 05 23 23-1259	EA	6", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,115.00	108.38
			72.25	
40 05 23 23-1260	EA	8", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	1,435.82	132.21
			88.14	
40 05 23 23-1261	EA	10", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	2,554.40	158.65
			105.77	
40 05 23 23-1262	EA	12", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	3,116.65	198.31
			132.21	
40 05 23 23-1263	EA	14", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	4,487.49	247.90
			165.26	
40 05 23 23-1264	EA	16", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	5,773.75	282.77
			188.51	
40 05 23 23-1265	EA	18", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	7,549.45	354.13
			236.09	
40 05 23 23-1266	EA	20", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	9,514.03	495.80
			330.53	
40 05 23 23-1267	EA	24", 300#, Type 316 Stainless Steel Raised Face Blind Flange <i>For Work In Restricted Working Space, Add</i>	14,641.54	708.26
			472.18	

**40 05 23 23-1268 Type 316 Seamless Annealed Tubing** (40 05 23 23)

Note: For high pressure air (8000 PSIG working pressure).

**40 05 23 23-1269 Type 316 Seamless Annealed Tubing** (40 05 23 23-1268)

40 05 23 23-1270	LF	3/8" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .065 Wall Thickness	28.90	
40 05 23 23-1271	LF	1/2" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .083 Wall Thickness	36.05	
40 05 23 23-1272	LF	3/4" Outside Diameter Stainless Steel Type 316 Seamless, Annealed, .120 Wall Thickness	43.59	

**40 05 23 23-1273 Type 316 Seamless Annealed Tubing Fittings** (40 05 23 23-1268)

Note: Pressure rating 5000 PSI minimum. Includes front and back ferrules.

40 05 23 23-1274	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Connector With Front And Back Ferrules	94.33	
40 05 23 23-1275	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Elbow With Front And Back Ferrules	105.52	
40 05 23 23-1276	EA	3/8" Tube Outside Diameter X 3/8" NPT Stainless Steel Male Tee With Front And Back Ferrules	162.22	
40 05 23 23-1277	EA	3/8" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	75.87	
40 05 23 23-1278	EA	3/8" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	125.35	
40 05 23 23-1279	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Connector With Front And Back Ferrules	96.52	
40 05 23 23-1280	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Elbow With Front And Back Ferrules	116.83	
40 05 23 23-1281	EA	1/2" Tube Outside Diameter X 1/2" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	179.67	
40 05 23 23-1282	EA	1/2" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	113.78	
40 05 23 23-1283	EA	1/2" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	176.68	
40 05 23 23-1284	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Connector With Front And Back Ferrules	113.51	
40 05 23 23-1285	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Elbow With Front And Back Ferrules	145.57	
40 05 23 23-1286	EA	3/4" Tube Outside Diameter X 3/4" NPT Stainless Steel Male Branch Tee With Front And Back Ferrules	239.48	
40 05 23 23-1287	EA	3/4" Outside Diameter Stainless Steel Union Elbow With Front And Back Ferrules	196.79	
40 05 23 23-1288	EA	3/4" Outside Diameter Stainless Steel Union Tee With Front And Back Ferrules	243.28	

**40 05 23 23-1289 Valves For High Pressure Air (5,000 PSIG)** (40 05 23 23-1268)**40 05 23 23-1290 Needle Valves** (40 05 23 23-1289)

40 05 23 23-1291	EA	3/8" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	430.82	
40 05 23 23-1292	EA	1/2" Tube Fitting Outside Diameter Stainless Steel With Needle Valve Cartridge	680.67	

**40 05 23 23-1293 Safety Valve (Code Stamped) Work Pressure, 6,000 PSIG** (40 05 23 23-1289)

40 05 23 23-1294	EA	1/4" NPT Inlet, Safety Valve Spring Loaded 316 Stainless Steel Construction	412.23	
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**40 05 23 23-1295 Other Valves Working Pressure 6,000 PSI** (40 05 23 23-1289)

40 05 23 23-1296	EA	1/4" NPT Pressure Reducing Valve Spring Loaded, Stainless Steel Body, 6,000 PSIG	1,689.53	
40 05 23 23-1297	EA	1/4" NPT Pressure Gauge, Liquid Filled, 6,000 PSIG, Blow Out Back	428.54	
40 05 23 23-1298	EA	Snubber 316 Stainless Steel Body, Rated For Design Pressure With Sinterec Element	85.72	

**40 05 71 Solids Handling Valves** (40 05)**40 05 71 16 Flap Gates** (40 05 71)**40 05 71 16-0001 Cast Iron, Flap Valves** (40 05 71 16)

40 05 71 16-0002	EA	3" Cast Iron, Flap Valve (Troy A25406/04-03)	706.83	133.70
40 05 71 16-0003	EA	4" Cast Iron, Flap Valve (Troy A25406/04)	903.39	224.44
40 05 71 16-0004	EA	6" Cast Iron, Flap Valve (Troy A25406/06)	1,047.26	274.60
40 05 71 16-0005	EA	8" Cast Iron, Flap Valve (Troy A25406/08)	1,519.39	347.44
40 05 71 16-0006	EA	10" Cast Iron, Flap Valve (Troy A25406/10)	1,985.45	425.62
40 05 71 16-0007	EA	12" Cast Iron, Flap Valve (Troy A25406/12)	2,293.66	515.90
40 05 71 16-0008	EA	14" Cast Iron, Flap Valve (Troy A25406/14)	4,348.58	711.05
40 05 71 16-0009	EA	16" Cast Iron, Flap Valve (Troy A25406/16)	6,270.13	1,564.31
40 05 71 16-0010	EA	18" Cast Iron, Flap Valve (Troy A25406/18)	6,050.46	867.48
40 05 71 16-0011	EA	20" Cast Iron, Flap Valve (Troy A25406/20)	7,359.64	977.70
40 05 71 16-0012	EA	24" Cast Iron, Flap Valve (Troy A25406/24)	9,476.96	1,199.90
40 05 71 16-0013	EA	30" Cast Iron, Flap Valve (Troy A25406/30)	19,151.36	1,908.39



MINOR	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
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**40 05 71 23 Mud Valves (40 05 71)**

<b>40 05 71 23-0001 Cast Iron, Non-Rising Stem, Mud Valves (40 05 71 23)</b>			
40 05 71 23-0002	EA 3" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/03)	958.82	89.14
40 05 71 23-0003	EA 4" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/04)	1,104.44	149.61
40 05 71 23-0004	EA 6" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/06)	1,204.49	183.07
40 05 71 23-0005	EA 8" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/08)	1,562.78	231.63
40 05 71 23-0006	EA 10" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/10)	2,326.29	283.75
40 05 71 23-0007	EA 12" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/12)	2,733.41	343.93
40 05 71 23-0008	EA 14" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/14)	5,152.41	474.04
40 05 71 23-0009	EA 16" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/16)	6,970.43	1,042.88
40 05 71 23-0010	EA 18" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/18)	6,860.73	578.32
40 05 71 23-0011	EA 20" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/20)	7,590.31	651.79
40 05 71 23-0012	EA 24" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/24)	9,619.18	799.93
40 05 71 23-0013	EA 30" Cast Iron, Non-Rising Stem, Mud Valve (Troy A25600RB/30)	14,931.26	1,272.27

<b>40 05 71 23-0014 Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (40 05 71 23)</b>			
40 05 71 23-0015	EA 4" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/04CSS)	1,921.80	149.61
40 05 71 23-0016	EA 6" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/06CSS)	2,379.94	183.07
40 05 71 23-0017	EA 8" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/08CSS)	3,669.24	231.63
40 05 71 23-0018	EA 10" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/10CSS)	4,446.05	283.75
40 05 71 23-0019	EA 12" Cast 316 Stainless Steel, Non-Rising Stem, Mud Valve (Troy A25600RB/12CSS)	5,815.76	343.93

<b>40 05 71 23-0020 Cast Iron, Rising Stem, Mud Valves (40 05 71 23)</b>			
40 05 71 23-0021	EA 4" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/04)	1,381.44	149.61
40 05 71 23-0022	EA 6" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/06)	1,530.57	183.07
40 05 71 23-0023	EA 8" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/08)	1,949.45	231.63
40 05 71 23-0024	EA 10" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/10)	3,004.57	283.75
40 05 71 23-0025	EA 12" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/12)	3,908.46	343.93
40 05 71 23-0026	EA 16" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/16)	7,224.54	1,042.88
40 05 71 23-0027	EA 18" Cast Iron, Rising Stem, Mud Valve (Troy A25612RB/18)	7,489.00	578.32

<b>40 05 71 23-0028 Cast 316 Stainless Steel, Rising Stem, Mud Valves (40 05 71 23)</b>			
40 05 71 23-0029	EA 4" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/04CSS)	2,256.29	149.61
40 05 71 23-0030	EA 6" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/06CSS)	2,794.90	183.07
40 05 71 23-0031	EA 8" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/08CSS)	3,735.95	231.63
40 05 71 23-0032	EA 10" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/10CSS)	5,240.68	283.75
40 05 71 23-0033	EA 12" Cast 316 Stainless Steel, Rising Stem, Mud Valve (Troy A25612RB/12CSS)	7,373.63	343.93

**40 20 Liquids Process Piping (40)**

**40 23 Water and Wastewater Process Piping (40 20)**

**40 23 51 Water and Wastewater Process Valves (40 23)**

<b>40 23 51 00-0001 Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valves (40 23 51)</b>			
40 23 51 00-0002	EA 2" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,2,F1,Ci,T,NBR*LV)	756.47	202.13
40 23 51 00-0003	EA 3" Lever Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Gas Service Eccentric Plug Valve (DeZurik PEC,3,F1,Ci,T,NBR*LV)	1,152.92	258.10
40 23 51 00-0004	EA 4" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,T,NBR,1304G0*GS-6-HD8)	2,288.73	397.99
40 23 51 00-0005	EA 4" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,4,F1,Ci,T,NBR,1304G0*GS-6-CW8)	2,575.45	397.99
40 23 51 00-0006	EA 6" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,T,NBR,1304G0*GS-6-HD8)	3,234.48	486.43
40 23 51 00-0007	EA 6" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,6,F1,Ci,T,NBR,1304G0*GS-6-CW8)	3,582.92	486.43
40 23 51 00-0008	EA 8" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,T,NBR,1304G0*GS-6-HD12)	4,784.17	621.54
40 23 51 00-0009	EA 8" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,8,F1,Ci,T,NBR,1304G0*GS-6-CW12)	5,206.28	621.54
40 23 51 00-0010	EA 10" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,T,NBR,1304G0*GS-12-HD12)	7,237.70	756.66
40 23 51 00-0011	EA 10" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,10,F1,Ci,T,NBR,1304G0*GS-12-CW12)	7,839.01	756.66
40 23 51 00-0012	EA 14" Handwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,Ci,T,NBR,1304G0*GS-12-HD16)	12,310.15	1,264.09

**40 Process Interconnections****40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
40 23 51 00-0013	EA	14" Chainwheel Operated, Flanged, ANSI 125/150, Cast Iron, PTFE Packing, Acrylonitrile-Butadiene Plug Facing, Interior And Exterior Coating, Gas Service Eccentric Plug Valve (DeZurik PEC,14,F1,C1,T,NBR,1304G0*GS-12-CW20) .....	13,090.66	1,264.09
<b>40 23 51 00-0014</b>		<b>Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves (40 23 51)</b>		
40 23 51 00-0015	EA	2" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,2,F1,C1,NBR,CR*LV) .....	751.75	202.17
40 23 51 00-0016	EA	3" Lever Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,3,F1,C1,NBR,CR*LV) .....	1,146.01	258.11
40 23 51 00-0017	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,C1,NBR,CR*GS-6-HD8) .....	2,041.83	397.99
40 23 51 00-0018	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,C1,NBR,CR*GS-6-CW8) .....	2,386.29	397.99
40 23 51 00-0019	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,C1,NBR,CR*GS-6-HD8) .....	2,895.99	486.43
40 23 51 00-0020	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,C1,NBR,CR*GS-6-CW8) .....	3,244.44	486.43
40 23 51 00-0021	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,C1,NBR,CR*GS-6-HD12) .....	4,216.70	621.54
40 23 51 00-0022	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,C1,NBR,CR*GS-6-CW12) .....	4,636.83	621.54
40 23 51 00-0023	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,C1,NBR,CR*GS-12-HD12) .....	6,680.19	756.66
40 23 51 00-0024	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,C1,NBR,CR*GS-12-CW12) .....	7,100.31	756.66
40 23 51 00-0025	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,C1,NBR,CR*GS-12-HD16) .....	8,776.36	918.80
40 23 51 00-0026	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,C1,NBR,CR*GS-12-CW20) .....	9,552.88	918.80
40 23 51 00-0027	EA	14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,C1,NBR,CR*GS-12-HD16) .....	11,197.12	1,264.09
40 23 51 00-0028	EA	14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,C1,NBR,CR*GS-12-CW20) .....	11,977.63	1,264.09
40 23 51 00-0029	EA	16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,C1,NBR,CR*GS-12-HD16) .....	13,459.73	1,390.50
40 23 51 00-0030	EA	16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,C1,NBR,CR*GS-12-CW20) .....	14,240.24	1,390.50
40 23 51 00-0031	EA	18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,C1,NBR,CR*GS-12-HD24) .....	17,631.55	1,542.19
40 23 51 00-0032	EA	18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,C1,NBR,CR*GS-12-CW30) .....	18,292.59	1,542.19
40 23 51 00-0033	EA	20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,C1,NBR,CR*GS-16-HD16) .....	24,263.90	1,738.12
40 23 51 00-0034	EA	20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,C1,NBR,CR*GS-16-CW20) .....	25,020.52	1,738.12
40 23 51 00-0035	EA	24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,C1,NBR,CR*GS-16-HD16) .....	43,020.06	2,133.15
40 23 51 00-0036	EA	24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,C1,NBR,CR*GS-16-CW20) .....	43,776.68	2,133.15
40 23 51 00-0037	EA	30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,C1,NBR,CR*GS-16-HD24) .....	59,432.17	3,392.70
40 23 51 00-0038	EA	30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,F1,C1,NBR,CR*GS-16-CW30) .....	60,340.11	3,392.70
40 23 51 00-0039	EA	36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,C1,NBR,CR*GS-16-HD30) .....	90,664.51	4,523.60
40 23 51 00-0040	EA	36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,F1,C1,NBR,CR*GS-16-CW30) .....	91,040.83	4,523.60
<b>40 23 51 00-0041</b>		<b>Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valves (40 23 51)</b>		
40 23 51 00-0042	EA	3" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,C1,NBR,CR*GS-6A-HD8) .....	2,343.60	258.11
40 23 51 00-0043	EA	3" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,3,F1,C1,NBR,CR*GS-6A-CW8) .....	2,751.77	258.11
40 23 51 00-0044	EA	4" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,C1,NBR,CR*GS-6A-HD8) .....	2,615.27	397.99
40 23 51 00-0045	EA	4" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,4,F1,C1,NBR,CR*GS-6A-CW8) .....	3,025.44	397.99
40 23 51 00-0046	EA	6" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,C1,NBR,CR*GS-6A-HD8) .....	4,086.67	486.43
40 23 51 00-0047	EA	6" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,6,F1,C1,NBR,CR*GS-6A-CW8) .....	4,496.84	486.43
40 23 51 00-0048	EA	8" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,C1,NBR,CR*GS-6A-HD12) .....	5,015.13	621.54
40 23 51 00-0049	EA	8" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,8,F1,C1,NBR,CR*GS-6A-CW12) .....	5,512.91	621.54
40 23 51 00-0050	EA	10" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,C1,NBR,CR*GS-12A-HD12) .....	8,125.73	756.66
40 23 51 00-0051	EA	10" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,10,F1,C1,NBR,CR*GS-12A-CW12) .....	8,623.50	756.66
40 23 51 00-0052	EA	12" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,C1,NBR,CR*GS-12A-HD16) .....	9,626.55	918.80
40 23 51 00-0053	EA	12" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,12,F1,C1,NBR,CR*GS-12A-CW20) .....	10,267.69	918.80

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0054	EA		14" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-HD16).....	12,670.54	1,264.09
40 23 51 00-0055	EA		14" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,14,F1,CI,NBR,CR*GS-12A-CW20).....	13,307.69	1,264.09
40 23 51 00-0056	EA		16" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-HD16).....	14,968.98	1,390.50
40 23 51 00-0057	EA		16" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,16,F1,CI,NBR,CR*GS-12A-CW20).....	15,606.13	1,390.50
40 23 51 00-0058	EA		18" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-HD24).....	19,140.80	1,542.19
40 23 51 00-0059	EA		18" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,18,F1,CI,NBR,CR*GS-12A-CW30).....	19,925.29	1,542.19
40 23 51 00-0060	EA		20" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*MG-WR3-HD24).....	32,763.91	1,738.12
40 23 51 00-0061	EA		20" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,20,F1,CI,NBR,CR*GS-12A-CW30).....	26,067.84	1,738.12
40 23 51 00-0062	EA		24" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-HD24).....	53,535.06	2,133.15
40 23 51 00-0063	EA		24" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,24,F1,CI,NBR,CR*MG-WR1-CW30).....	53,535.06	2,133.15
40 23 51 00-0064	EA		30" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-HD24).....	82,311.90	3,392.70
40 23 51 00-0065	EA		30" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,30,F1,CI,NBR,CR*MG-WR4-CW30).....	82,311.90	3,392.70
40 23 51 00-0066	EA		36" Handwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-HD24).....	113,307.30	4,523.60
40 23 51 00-0067	EA		36" Chainwheel Operated, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 100% Port Eccentric Plug Valve (DeZurik PEF,36,F1,CI,NBR,CR*MG-WR4-CW30).....	113,307.30	4,523.60
<b>40 23 51 00-0068</b>			<b>Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves <small>(40 23 51)</small></b>		
40 23 51 00-0069	EA		4" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,MJ,CI,NBR,CR*NT).....	1,480.34	398.98
40 23 51 00-0070	EA		6" Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,MJ,CI,NBR,CR*NT).....	2,453.64	540.47
40 23 51 00-0071	EA		8" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,MJ,CI,NBR,CR*GB-6-N).....	4,302.28	617.65
40 23 51 00-0072	EA		10" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,MJ,CI,NBR,CR*GB-6-N).....	6,092.81	756.66
40 23 51 00-0073	EA		12" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,MJ,CI,NBR,CR*GB-6-N).....	7,634.79	917.15
40 23 51 00-0074	EA		14" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,MJ,CI,NBR,CR*GB-12-N).....	10,938.28	1,264.09
40 23 51 00-0075	EA		16" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,MJ,CI,NBR,CR*GB-12-N).....	13,527.42	1,390.50
40 23 51 00-0076	EA		18" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,MJ,CI,NBR,CR*GB-12-N).....	17,457.50	1,544.97
40 23 51 00-0077	EA		20" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,MJ,CI,NBR,CR*GB-12-N).....	23,365.92	1,738.12
40 23 51 00-0078	EA		24" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,MJ,CI,NBR,CR*GB-16-N).....	45,842.58	2,139.23
40 23 51 00-0079	EA		30" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,30,MJ,CI,NBR,CR*GB-16-N).....	62,141.52	3,454.38
40 23 51 00-0080	EA		36" Buriable Worm Gear Square Nut Actuator, Mechanical Joint, ANSI/AWWA C111/A21.11, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,36,MJ,CI,NBR,CR*GB-16-N).....	89,654.86	4,317.98
<b>40 23 51 00-0081</b>			<b>Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valves <small>(40 23 51)</small></b>		
40 23 51 00-0082	EA		4" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,4,F1,CI,NBR,CR*GS-6-PC4,EPP).....	8,377.46	397.99
40 23 51 00-0083	EA		6" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,6,F1,CI,NBR,CR*GS-6-PC4,EPP).....	9,189.48	486.43
40 23 51 00-0084	EA		8" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,8,F1,CI,NBR,CR*GS-6-PC6,EPP).....	10,170.91	621.54
40 23 51 00-0085	EA		10" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,10,F1,CI,NBR,CR*GS-6-PC8,EPP).....	11,745.72	756.66
40 23 51 00-0086	EA		12" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,12,F1,CI,NBR,CR*GS-12-PC6,EPP).....	14,999.97	918.80



## 40 Process Interconnections

## 40 20 Liquids Process Piping

## 40 23 Water and Wastewater Process Piping

MINOR		DESCRIPTION	TOTAL DIRECT	DEMOLITION
CSI	UOM		UNIT COST	UNIT COST
40 23 51 00-0087	EA	14" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,14,F1,CI,NBR,CR*GS-12-PC6,EPP).....	18,276.10	1,264.09
40 23 51 00-0088	EA	16" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,16,F1,CI,NBR,CR*GS-12-PC8,EPP).....	21,541.46	1,390.50
40 23 51 00-0089	EA	18" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,18,F1,CI,NBR,CR*GS-12-PC8,EPP).....	25,264.51	1,542.19
40 23 51 00-0090	EA	20" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,20,F1,CI,NBR,CR*GS-12-PC10,EPP).....	31,482.28	1,738.12
40 23 51 00-0091	EA	24" Double Acting Cylinder Operated, Pneumatic Pump Check Accessory, Flanged, ANSI Class 125/150, Cast Iron, Acrylonitrile-Butadiene V-Type Packing, Chloroprene Plug Facing, 80% Port Eccentric Plug Valve (DeZurik PEC,24,F1,CI,NBR,CR*GS-16-PC8,EPP).....	59,124.08	2,133.15
40 23 51 00-0092		<b>Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves (40 23 51)</b>		
40 23 51 00-0093	EA	3" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,6000A,F1,DI,DI-S11-S2-NBR*AC).....	9,050.47	258.11
40 23 51 00-0094	EA	4" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,6000A,F1,DI,DI-S11-S2-NBR*AC).....	9,941.13	397.99
40 23 51 00-0095	EA	6" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,6000A,F1,DI,DI-S11-S2-NBR*AC).....	10,109.32	486.43
40 23 51 00-0096	EA	8" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,6000A,F1,DI,DI-S11-S2-NBR*AC).....	11,980.48	621.54
40 23 51 00-0097	EA	10" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,6000A,F1,DI,DI-S11-S2-NBR*AC).....	15,553.47	756.66
40 23 51 00-0098	EA	12" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,6000A,F1,DI,DI-S11-S2-NBR*AC).....	20,352.30	918.80
40 23 51 00-0099	EA	14" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,6000A,F1,DI,DI-S11-S2-NBR*AC).....	33,964.99	1,264.09
40 23 51 00-0100	EA	16" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,6000,F1,DI,DI-S11-S2-NBR*AC).....	48,974.11	1,390.50
40 23 51 00-0101	EA	18" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,6000,F1,DI,DI-S11-S2-NBR*AC).....	51,263.00	1,542.19
40 23 51 00-0102	EA	20" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,6000,F1,DI,DI-S11-S2-NBR*AC).....	51,507.91	1,738.12
40 23 51 00-0103	EA	24" Air Cushion Side Mounted Cylinder, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 303 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,6000,F1,DI,DI-S11-S2-NBR*AC).....	61,694.20	2,133.15
40 23 51 00-0104		<b>Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valves (40 23 51)</b>		
40 23 51 00-0105	EA	2" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,2,250A,F1,DIF,DI-S1-S2-NBR*AC).....	3,185.51	202.13
40 23 51 00-0106	EA	3" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,3,250A,F1,DIF,DI-S1-S2-NBR*AC).....	3,385.18	258.11
40 23 51 00-0107	EA	4" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,4,250A,F1,DIF,DI-S1-S2-NBR*AC).....	4,028.45	397.99
40 23 51 00-0108	EA	6" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,6,250A,F1,DIF,DI-S1-S2-NBR*AC).....	4,555.19	486.43
40 23 51 00-0109	EA	8" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,8,250A,F1,DIF,DI-S1-S2-NBR*AC).....	5,910.96	621.54
40 23 51 00-0110	EA	10" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,10,250A,F1,DIF,DI-S1-S2-NBR*AC).....	8,212.90	756.66
40 23 51 00-0111	EA	12" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,12,250A,F1,DIF,DI-S1-S2-NBR*AC).....	14,227.20	918.80
40 23 51 00-0112	EA	14" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,14,250A,F1,DIF,DI-S1-S2-NBR*AC).....	16,647.12	1,264.09
40 23 51 00-0113	EA	16" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,16,250,F1,DIF,DI-S1-S1-NBR*AC).....	21,031.24	1,390.50
40 23 51 00-0114	EA	18" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,18,250,F1,DIF,DI-S1-S1-NBR*AC).....	30,867.42	1,542.19

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0115	EA		20" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,20,250,F1,DIF,DI-S1-S1-NBR*AC).....	34,095.87	1,738.12
40 23 51 00-0116	EA		24" Lever And Weight Operated, Flanged, ANSI Class 125/150, Ductile Iron Body, Ductile Iron Disc, 304 Stainless Steel Shaft, 316 Stainless Steel Body Seat, Acrylonitrile-Butadiene Seat, Swing Check Valve (DeZurik CVS,24,250,F1,DIF,DI-S1-S1-NBR*AC).....	52,966.36	2,133.15
<b>40 23 51 00-0117</b>			<b>Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valves (40 23 51)</b>		
40 23 51 00-0118	EA		2" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,2,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	1,174.38	202.17
40 23 51 00-0119	EA		3" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,3,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	1,333.10	258.11
40 23 51 00-0120	EA		4" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,4,HD,F1,S2,SMP,S2-M*MN-HD8-CS).....	1,702.99	397.99
40 23 51 00-0121	EA		6" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,6,HD,F1,S2,SMP,S2-M*MN-HD12-CS).....	2,115.53	486.43
40 23 51 00-0122	EA		8" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,8,HD,F1,S2,SMP,S2-M*MN-HD12-CS).....	2,754.97	621.54
40 23 51 00-0123	EA		10" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,10,HD,F1,S2,SMP,S2-M*MN-HD16-CS).....	3,888.41	756.66
40 23 51 00-0124	EA		12" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,12,HD,F1,S2,SMP,S2-M*MN-HD16-CS).....	5,923.80	918.80
40 23 51 00-0125	EA		14" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,14,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	9,021.74	1,264.09
40 23 51 00-0126	EA		16" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,16,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	10,741.58	1,390.50
40 23 51 00-0127	EA		18" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,18,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	14,697.95	1,542.19
40 23 51 00-0128	EA		20" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,20,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	17,699.02	1,738.12
40 23 51 00-0129	EA		24" Handwheel Operated, Flanged, ANSI 125/150 UNC Tapping For Threads, 316 Stainless Steel Body, PTFE Braided Packing, 316 Stainless Steel Gate, Metal Seat, Heavy Duty, Knifegate Valve (DeZurik KGC,24,HD,F1,S2,SMP,S2-M*MN-HD20-CS).....	26,553.16	2,133.15
<b>40 23 51 00-0130</b>			<b>Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valves (40 23 51)</b>		
40 23 51 00-0131	EA		1" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,1,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*).....	6,683.42	113.72
40 23 51 00-0132	EA		2" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,2,SCAV,F1,S2,R516-NBR-S2-S2-S2*).....	7,000.73	202.13
40 23 51 00-0133	EA		3" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,3,SCAV,F1,S2,R516-NBR-S2-S2-S2*).....	8,420.23	258.11
40 23 51 00-0134	EA		4" Flanged, ANSI 150, 316 Stainless Steel, Acrylonitrile-Butadiene Seat, 316 Stainless Steel Disc, Single Body Sewage Combination Air Valve (DeZurik ASU,4,SCAV,F1,S2,R516-NBR-S2-S2-S2*).....	9,219.22	397.99
<b>40 23 51 00-0135</b>			<b>Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valves (40 23 51)</b>		
40 23 51 00-0136	EA		2" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,2,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4).....	5,386.07	202.13
40 23 51 00-0137	EA		4" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,4,F1L,S3,TC,S3NH-S10-S3-FT*PR-R1A-PC4).....	8,962.44	397.99
40 23 51 00-0138	EA		6" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,6,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6).....	12,117.18	486.43
40 23 51 00-0139	EA		8" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,8,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC6).....	15,724.27	621.54
40 23 51 00-0140	EA		10" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,10,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8).....	21,283.98	756.66
40 23 51 00-0141	EA		12" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,12,F1L,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8).....	32,279.58	918.80
40 23 51 00-0142	EA		14" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,14,F1S,S3,TC,S3NH-S10-S3-FT*PR-R2A-PC8).....	37,090.68	1,264.09



## 40 Process Interconnections

## 40 20 Liquids Process Piping

## 40 23 Water and Wastewater Process Piping

MINOR				TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION		UNIT COST	UNIT COST
40 23 51 00-0143	EA	16" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,16,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10).....	76,958.32		1,390.50
40 23 51 00-0144	EA	18" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,18,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10).....	90,354.54		1,542.19
40 23 51 00-0145	EA	20" Double Acting Cylinder Operated, Flanged, ANSI Class 150, 317 Stainless Steel Body, 317 Stainless Steel Ball, Stainless Steel Shaft, 317 Stainless Steel Body Seat, PTFE Liner, V-Port Ball Valve (DeZurik VPB,20,F1S,S3,TC,S3NH-S10-S3-FT*PR-R3A-PC10).....	115,002.95		1,738.12
<b>40 23 51 00-0146 Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valves (40 23 51)</b>					
40 23 51 00-0147	EA	2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2,L1,S2,TC,S2-S5A-FT-TT*LT).....	1,685.38		202.13
40 23 51 00-0148	EA	2-1/2" Lever Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,2.5,L1,S2,TC,S2-S5A-FT-TT*LT).....	1,822.55		219.87
40 23 51 00-0149	EA	4" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	2,791.90		397.99
40 23 51 00-0150	EA	4" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,4,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	2,959.15		397.99
40 23 51 00-0151	EA	6" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	3,875.78		486.43
40 23 51 00-0152	EA	6" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,6,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	4,031.50		486.43
40 23 51 00-0153	EA	8" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-HD8).....	4,997.39		621.54
40 23 51 00-0154	EA	8" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,8,L1,S2,TC,S2-S5A-FT-TT*MG-7-CW8).....	5,153.11		621.54
40 23 51 00-0155	EA	10" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	6,972.88		756.66
40 23 51 00-0156	EA	10" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,10,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	7,128.60		756.66
40 23 51 00-0157	EA	12" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	8,834.56		918.80
40 23 51 00-0158	EA	12" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,12,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	8,990.29		918.80
40 23 51 00-0159	EA	14" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-HD8).....	12,538.40		1,264.09
40 23 51 00-0160	EA	14" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,14,L1,S2,TC,S2-S5A-FT-TT*MG-1012-CW8).....	12,694.12		1,264.09
40 23 51 00-0161	EA	16" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD16).....	16,012.73		1,390.50
40 23 51 00-0162	EA	16" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,16,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20).....	16,272.27		1,390.50
40 23 51 00-0163	EA	18" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24).....	20,770.23		1,542.19
40 23 51 00-0164	EA	18" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,18,L1,S2,TC,S2-S5A-FT-TT*MG-1216-CW20).....	21,029.77		1,542.19
40 23 51 00-0165	EA	20" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-1216-HD24).....	24,856.31		1,738.12
40 23 51 00-0166	EA	20" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,20,L1,S2,TC,S2-S5A-FT-TT*MG-16-CW30).....	25,624.54		1,738.12
40 23 51 00-0167	EA	24" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-HD16).....	42,687.26		2,133.15
40 23 51 00-0168	EA	24" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,24,L1,S2,TC,S2-S5-FT-TT*GS-12-CW20).....	43,232.87		2,133.15
40 23 51 00-0169	EA	30" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30).....	66,868.06		3,392.70
40 23 51 00-0170	EA	30" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,30,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30).....	67,179.51		3,392.70
40 23 51 00-0171	EA	36" Handwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-HD30).....	90,637.75		4,523.60

MINOR	CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
40 23 51 00-0172	EA		36" Chainwheel Operated, Flanged, PTFE Packing, 316 Stainless Steel Body, 316 Stainless Steel Disc, 17-4PH Stainless Steel Shaft, Air And General Service Butterfly Valve (DeZurik BHP,36,L1,S2,TC,S2-S5-FT-TT*GS-12-CW30)	90,949.20	4,523.60
<b>40 23 51 00-0173</b>			<b>Plug, Bearings And Packing, Plug Valve Rebuild Kits (40 23 51)</b>		
40 23 51 00-0174	EA		2" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	435.41	
40 23 51 00-0175	EA		4" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,209.28	
40 23 51 00-0176	EA		6" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,507.36	
40 23 51 00-0177	EA		8" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	1,792.55	
40 23 51 00-0178	EA		10" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	4,178.72	
40 23 51 00-0179	EA		12" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	5,065.72	
40 23 51 00-0180	EA		14" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	8,623.66	
40 23 51 00-0181	EA		16" Plug, Bearings And Packing, Plug Valve Rebuild Kit (DeZurik)	8,031.01	
<b>40 23 51 00-0182</b>			<b>Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valves (40 23 51)</b>		
40 23 51 00-0183	EA		3" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,013.90	237.40
40 23 51 00-0184	EA		4" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	4,802.49	397.99
40 23 51 00-0185	EA		6" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	5,481.23	486.43
40 23 51 00-0186	EA		8" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	6,828.03	621.54
40 23 51 00-0187	EA		10" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	9,102.16	756.66
40 23 51 00-0188	EA		12" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	12,629.73	918.80
40 23 51 00-0189	EA		14" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	18,497.29	1,264.09
40 23 51 00-0190	EA		16" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	20,762.28	1,390.50
40 23 51 00-0191	EA		18" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	25,106.73	1,542.19
40 23 51 00-0192	EA		20" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	26,808.13	1,738.12
40 23 51 00-0193	EA		24" Air Cushioned, Lever And Weight, 125 LB Flanged, Cast Iron Body, 316 Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX250DS)	49,090.13	2,133.15
<b>40 23 51 00-0194</b>			<b>Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valves (40 23 51)</b>		
40 23 51 00-0195	EA		3" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	2,835.56	237.40
40 23 51 00-0196	EA		4" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	3,570.40	397.99
40 23 51 00-0197	EA		6" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	4,167.10	486.43
40 23 51 00-0198	EA		8" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	5,724.16	621.54
40 23 51 00-0199	EA		10" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	7,893.17	756.66
40 23 51 00-0200	EA		12" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	10,310.30	918.80
40 23 51 00-0201	EA		14" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	17,485.41	1,264.09
40 23 51 00-0202	EA		16" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	19,704.41	1,390.50
40 23 51 00-0203	EA		18" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	23,652.43	1,542.19
40 23 51 00-0204	EA		20" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	25,259.65	1,738.12
40 23 51 00-0205	EA		24" Lever And Weight, 125 LB Flanged, Cast Iron Body, Stainless Steel Seat And Trim Swing Check Valve (GA Industries GAX220DS)	44,061.41	2,133.15
<b>40 23 51 00-0206</b>			<b>125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valves (40 23 51)</b>		
40 23 51 00-0207	EA		3" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	9,701.87	237.40
40 23 51 00-0208	EA		4" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	10,148.80	397.99
40 23 51 00-0209	EA		6" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	13,282.76	486.43
40 23 51 00-0210	EA		8" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	15,549.45	621.54
40 23 51 00-0211	EA		10" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	22,541.29	756.66
40 23 51 00-0212	EA		12" 125 LB Flanged, Cast Iron Body, Stainless Steel Seat, Sewage Surge Relief Valve (GA Industries GAX625DX)	28,037.86	918.80
<b>40 23 51 00-0213</b>			<b>Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valves (40 23 51)</b>		
40 23 51 00-0214	EA		3" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,390.79	237.40
40 23 51 00-0215	EA		4" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT)	2,825.45	397.99

**40 Process Interconnections****40 20 Liquids Process Piping****40 23 Water and Wastewater Process Piping**

MINOR			TOTAL DIRECT	DEMOLITION
CSI	UOM	DESCRIPTION	UNIT COST	UNIT COST
40 23 51 00-0216	EA	6" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	4,330.37	486.43
40 23 51 00-0217	EA	8" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	4,819.13	621.54
40 23 51 00-0218	EA	10" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	5,788.49	756.66
40 23 51 00-0219	EA	12" Cast Iron Body, 316 Stainless Steel Internals, Sewage Combination Air Release And Air Vacuum Valve (GA Industries GAX942FT).....	8,251.34	918.80

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